

	Low tide Group	Hours after low tide							
6/29/2016	afternoon	115							
7/6/2016	morning	213							
7/13/2016	afternoon	82							
7/20/2016	morning	310							
7/27/2016	afternoon	195							
8/3/2016	morning	250							
8/10/2016	afternoon	230							
8/17/2016	morning	454							
8/24/2016	afternoon	316							
<b>Bacteria</b>									
(cfu/100mL)	Shockman	Bleakie	Musquashicut	Hunters					
6/29/2016	10	10,112	10	2,909					
7/6/2016	52	20	10	246					
7/13/2016	10	10	10	223					
7/20/2016	52	9	10	63					
7/27/2016	9	9	9	31					
8/3/2016	31	52	41	298					
8/10/2016	10	9	10	41					
8/17/2016	63	31	206	238					
8/24/2016	10	9	10	9					
<b>pH</b>									
	Shockman	Bleakie	Musquashicut	Hunters					
6/29/2016	7.91	8.32	7.94	7.83					
7/6/2016	7.84	7.76	7.93	7.61					
7/13/2016	7.85	8.63	8.19	8.45					
7/20/2016	7.87	8.17	7.52	7.53					
7/27/2016	7.8	8.66	7.74	7.91					
8/3/2016	6.71	6.83	6.79	6.43					
8/10/2016	7.59	8	7.88	7.71					
8/17/2016	6.7	7.13	6.69	7.15					
8/24/2016	7.87	8.34	7.89	7.81					
<b>Salinity (ppt)</b>									
	Shockman	Bleakie	Musquashicut	Hunters					
6/29/2016	31	27.5	30.6	0.2					
7/6/2016	31.1	31	31.3	3.9					

7/13/2016	30.9	28.3	31	0.4						
7/20/2016	30.7	27.2	31.4	5.8						
7/27/2016	30.9	31.2	31.8	22.7						
8/3/2016	31.3	31.7	31.7	13.5						
8/10/2016	31.3	24	32.3	13.8						
8/17/2016	31.1	30.9	30.1	22						
8/24/2016	31.1	31.7	31.6	29.5						
DO (% sat)										
	Shockman	Bleakie	Musquashicut	Hunters						
6/29/2016	47.5	45.5	47.3	92.5						
7/6/2016	80.2	85.4	69.4	94.7						
7/13/2016	111.9	232.1	130.5	104.7						
7/20/2016	73.6	136.2	67.1	77.7						
7/27/2016	97.5	265	113	174						
8/3/2016	71	80.7	73.9	55						
8/10/2016	90.4	103.2	79.1	85						
8/17/2016	80.15	68.4	35.2	56.6						
8/24/2016	99.9	181	120.6	135.1						
Chl a (µg/L)										
	Shockman	Bleakie	Musquashicut	Hunters						
6/29/2016	1.78	21.02	3.96	1.31						
7/6/2016	0.23	4.42	2.11	5.66						
7/13/2016	6.77	4.06	105.84	72.97						
7/20/2016	7.38	33.59	5.62	7.55						
7/27/2016	8.21	76.1	10.56	18.4						
8/3/2016	3.83	18.83	4.49	10.5						
8/10/2016	1.81	11.39	9.32	13.68						
8/17/2016	6.87	9.44	16.53	29.05						
8/24/2016	1.22	6.78	6.95	20.71						
Temp (Deg C)										
	Shockman	Bleakie	Musquashicut	Hunters						
6/29/2016	20.3	28.1	25.3	26						
7/6/2016	18.65	21.85	21.5	22.2						
7/13/2016	23	33.3	28.5	27.4						
7/20/2016	21.4	28.4	22.2	22.25						
7/27/2016	25.2	34.1	28.9	31.2						

8/3/2016	20.1	21.4	21.1	23.1							
8/10/2016	21.7	24.1	23.5	24.7							
8/17/2016	23.3	25	25.1	24.6							
8/24/2016	22.65	31.5	25.65	27.6							
Nitrate-Nitrogen (ppm)					Nitrate-Nitrogen (ppm)					3.493	
	Shockman	Bleakie	Musquashicut	Hunters		Shockman	Bleakie	Musquashicut	Hunters		
6/29/2016	NA	NA	NA	NA	6/29/2016	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
7/6/2016	NA	NA	NA	NA	7/6/2016	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
7/13/2016	NA	NA	NA	NA	7/13/2016	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
7/20/2016	NA	NA	NA	NA	7/20/2016	#VALUE!	#VALUE!	#VALUE!	#VALUE!		
7/27/2016	0.2096	0.1712	0.1607	0.1257	7/27/2016	0.732	0.598	0.561	0.439		
8/3/2016	0.0699	0.1362	0.0629	0.2550	8/3/2016	0.244	0.476	0.22	0.891		
8/10/2016	0.0419	0.0734	0.0454	0.0629	8/10/2016	0.146	0.256	0.159	0.22		
8/17/2016	0.0559	0.0908	0.0594	0.1153	8/17/2016	0.195	0.317	0.207	0.403		
8/24/2016	0.0559	0.0908	0.0140	0.0559	8/24/2016	0.195	0.317	0.049	0.195		

	High tide Group	Hours after low tide		
6/29/2016	morning	-255		
7/6/2016	afternoon	-525		
7/13/2016	morning	-317		
7/20/2016	afternoon	-421		
7/27/2016	morning	-230		
8/3/2016	NA	NA		
8/10/2016	morning	-275		
8/17/2016	NA	NA		
8/24/2016	NA	NA		
Bacteria				
(cfu/100mL)	Shockman	Bleakie	Musquashicut	Hunters
6/29/2016	10	10	41	448
7/6/2016	10	9	31	41
7/13/2016	9	9	9	249
7/20/2016	10	10	10	2,282
7/27/2016	52	9	10	305
8/3/2016	NA	NA	NA	NA
8/10/2016	9	9	9	108
8/17/2016	NA	NA	NA	NA
8/24/2016	NA	NA	NA	NA
pH				
	Shockman	Bleakie	Musquashicut	Hunters
6/29/2016	8.31	7.16	7.97	7.83
7/6/2016	8.16	8	8.02	7.88
7/13/2016	7.78	7.83	7.85	7.76
7/20/2016	8.18	8.06	7.72	8.35
7/27/2016	7.69	7.65	7.54	7.27
8/3/2016	NA	NA	NA	NA
8/10/2016	7.7	7.6	7.43	7.35

8/17/2016	NA	NA	NA	NA
8/24/2016	NA	NA	NA	NA
Salinity (ppt)				
	Shockman	Bleakie	Musquashicut	Hunters
6/29/2016	31	30	30.3	29.5
7/6/2016	31.7	31.6	31.3	25.9
7/13/2016	30.8	30.9	30.7	29.3
7/20/2016	31.3	31.3	31.2	15.8
7/27/2016	31.5	31.7	31.8	29.7
8/3/2016	NA	NA	NA	NA
8/10/2016	31.7	32	32.1	31.3
8/17/2016	NA	NA	NA	NA
8/24/2016	NA	NA	NA	NA
DO (% sat)				
	Shockman	Bleakie	Musquashicut	Hunters
6/29/2016	110.4	89.9	82.2	88.5
7/6/2016	110	108	98.8	124.3
7/13/2016	101.5	83.3	80.1	71
7/20/2016	106.1	105.8	93.3	170.1
7/27/2016	93	72	60.8	39.2
8/3/2016	NA	NA	NA	NA
8/10/2016	87.8	79.7	56.85	25.6
8/17/2016	NA	NA	NA	NA
8/24/2016	NA	NA	NA	NA
Chl a (µg/L)				
	Shockman	Bleakie	Musquashicut	Hunters
6/29/2016	0.93	1.75	2.39	11.1
7/6/2016	1.3	5.23	0.41	8.97

7/13/2016	1.14	4.11		
7/20/2016	1.76	3.27	7.27	11.85
7/27/2016	2.31	4.04	4.69	20.06
8/3/2016	NA	NA	NA	NA
8/10/2016	1.22	6.78	6.95	20.71
8/17/2016	NA	NA	NA	NA
8/24/2016	NA	NA	NA	NA
Temp (Deg C)				
	Shockman	Bleakie	Musquashicut	Hunters
6/29/2016	16	19.5	20	21.1
7/6/2016	16.35	18.3	20.6	25.7
7/13/2016	17.95	20.8	21.75	22.05
7/20/2016	21.6	22.3	23.2	27.4
7/27/2016	21.3	23.5	23.9	24.6
8/3/2016	NA	NA	NA	NA
8/10/2016	18.7	22.1	23.5	23.7
8/17/2016	NA	NA	NA	NA
8/24/2016	NA	NA	NA	NA
Nitrate-Nitrogen (ppm)				
	Shockman	Bleakie	Musquashicut	Hunters
6/29/2016	NA	NA	NA	NA
7/6/2016	NA	NA	NA	NA
7/13/2016	NA	NA	NA	NA
7/20/2016	NA	NA	NA	NA
7/27/2016	0.059381	0.048902	0.129241	0.066367
8/3/2016	NA	NA	NA	NA
8/10/2016	NA	NA	NA	NA
8/17/2016	NA	NA	NA	NA
8/24/2016	NA	NA	NA	NA

	Sampling Time	Time of Low Tide	Hours after low tide			Beginning of Low	End of Low							
	6/29/2016	1050	1305	-255	High	-100	500							
	7/6/2016	925	712	213	Low	*Sampling time is the midpoint of the 4 sampling times; time is 24 hour format; negative value = time before low tide								
	7/13/2016	915	1232	-317	High									
	7/20/2016	920	610	310	Low									
	7/27/2016	915	1145	-230	High									
	8/3/2016	855	605	250	Low									
	8/10/2016	840	1115	-275	High									
	8/17/2016	910	456	454	Low									
<b>Bacteria</b>														
(cfu/100mL)	Shockman	Bleakie	Musquashicut	Hunters										
	6/29/2016	10	10	41	448									
	7/6/2016	52	20	10	246									
	7/13/2016	9	9	9	249									
	7/20/2016	52	9	10	63									
	7/27/2016	52	9	10	305									
	8/3/2016	31	52	41	298									
	8/10/2016	9	9	9	108									
	8/17/2016	63	31	206	238									
<b>pH</b>														
	Shockman	Bleakie	Musquashicut	Hunters										
	6/29/2016	8.31	7.16	7.97	7.83									
	7/6/2016	7.84	7.76	7.93	7.61									
	7/13/2016	7.78	7.83	7.85	7.76									
	7/20/2016	7.87	8.17	7.52	7.53									
	7/27/2016	7.69	7.65	7.54	7.27									
	8/3/2016	6.71	6.83	6.79	6.43									
	8/10/2016	7.7	7.6	7.43	7.35									
	8/17/2016	6.7	7.13	6.69	7.15									
<b>Salinity (ppt)</b>														
	Shockman	Bleakie	Musquashicut	Hunters										
	6/29/2016	31	30	30.3	29.5									
	7/6/2016	31.1	31	31.3	3.9									
	7/13/2016	30.8	30.9	30.7	29.3									
	7/20/2016	30.7	27.2	31.4	5.8									
	7/27/2016	31.5	31.7	31.8	29.7									
	8/3/2016	31.3	31.7	31.7	13.5									
	8/10/2016	31.7	32	32.1	31.3									
	8/17/2016	31.1	30.9	30.1	22									
<b>Conductivity (mS)</b>														

	Shockman	Bleakie	Musquashicut	Hunters									
6/29/2016	47.5	41.29	42.08	41.51									
7/6/2016	44.76	22.175	44.44	9.405									
7/13/2016	47.05	47.35	47.19	44.65									
7/20/2016	47.1	42.88	48.14	10.135									
7/27/2016	48.4	48.57	48.7	44.9									
8/3/2016	49.2	46.82	48.45	25.43									
8/10/2016	48.38	48.9	49.09	47.72									
8/17/2016	47.785	47.43	46.4	36.92									
DO (% sat)													
	Shockman	Bleakie	Musquashicut	Hunters									
6/29/2016	110.4	89.9	82.2	88.5									
7/6/2016	80.2	85.4	69.4	94.7									
7/13/2016	101.5	83.3	80.1	71									
7/20/2016	73.6	136.2	67.1	77.7									
7/27/2016	93	72	60.8	39.2									
8/3/2016	71	80.7	73.9	55									
8/10/2016	87.8	79.7	56.85	25.6									
8/17/2016	80.15	68.4	35.2	56.6									
Chl a (µg/L)													
	Shockman	Bleakie	Musquashicut	Hunters									
6/29/2016	0.93	1.75	2.39	11.1									
7/6/2016	0.23	4.42	2.11	5.66									
7/13/2016	1.14	4.11											
7/20/2016	7.38	33.59	5.62	7.55									
7/27/2016	2.31	4.04	4.69	20.06									
8/3/2016	3.83	18.83	4.49	10.5									
8/10/2016	1.22	6.78	6.95	20.71									
8/17/2016	6.87	9.44	16.53	29.05									
Temp (Deg C)													
	Shockman	Bleakie	Musquashicut	Hunters									
6/29/2016	16	19.5	20	21.1									
7/6/2016	18.65	21.85	21.5	22.2									
7/13/2016	17.95	20.8	21.75	22.05									
7/20/2016	21.4	28.4	22.2	22.25									
7/27/2016	21.3	23.5	23.9	24.6									
8/3/2016	20.1	21.4	21.1	23.1									
8/10/2016	18.7	22.1	23.5	23.7									
8/17/2016	23.3	25	25.1	24.6									
Nitrate-Nitrogen (Abs)													
					Nitrate-Nitrogen (ppm)		3.493						
	Shockman	Bleakie	Musquashicut	Hunters		Shockman	Bleakie	Musquashicut	Hunters				

6/29/2016					6/29/2016	NA	NA	NA	NA			
7/6/2016					7/6/2016	NA	NA	NA	NA			
7/13/2016					7/13/2016	NA	NA	NA	NA			
7/20/2016					7/20/2016	NA	NA	NA	NA			
7/27/2016	0.017	0.014	0.037	0.019	7/27/2016	0.059	0.049	0.129	0.066			
8/3/2016	0.02	0.039	0.018	0.073	8/3/2016	0.070	0.136	0.063	0.255			
8/10/2016					8/10/2016	NA	NA	NA	NA			
8/17/2016	0.016	0.026	0.017	0.033	8/17/2016	0.056	0.091	0.059	0.115			

	Sampling Time	Time of Low Tide	Hours after low tide			Beginning of Low	End of Low		
6/29/2016	1420	1305	115	Low		-100	500		
7/6/2016	1400	1925	-525	High					
7/13/2016	1330	1248	82	Low					
7/20/2016	1400	1821	-421	High					
7/27/2016	1340	1145	195	Low					
8/10/2016	1345	1115	230	Low					
8/24/2016	1345	1029	316	Low					
<b>Bacteria</b>									
(cfu/100mL)	Shockman	Bleakie	Musquashicut	Hunters					
6/29/2016	10	10,112	10	2,909					
7/6/2016	10	9	31	41					
7/13/2016	10	10	10	223					
7/20/2016	10	10	10	2,282					
7/27/2016	9	9	9	31					
8/10/2016	10	9	10	41					
8/24/2016	10	9	10	9					
<b>pH</b>									
	Shockman	Bleakie	Musquashicut	Hunters					
6/29/2016	7.91	8.32	7.94	7.83					
7/6/2016	8.16	8	8.02	7.88					
7/13/2016	7.85	8.63	8.19	8.45					
7/20/2016	8.18	8.06	7.72	8.35					
7/27/2016	7.8	8.66	7.74	7.91					
8/10/2016	7.59	8	7.88	7.71					
8/24/2016	7.87	8.34	7.89	7.81					
<b>Salinity (ppt)</b>									
	Shockman	Bleakie	Musquashicut	Hunters					
6/29/2016	31	27.5	30.6	0.2					
7/6/2016	31.7	31.6	31.3	25.9					
7/13/2016	30.9	28.3	31	0.4					

7/20/2016	31.3	31.3	31.2	15.8				
7/27/2016	30.9	31.2	31.8	22.7				
8/10/2016	31.3	24	32.3	13.8				
8/24/2016	31.1	31.7	31.6	29.5				
Conductivity (mS)								
	Shockman	Bleakie	Musquashicut	Hunters				
6/29/2016	47.5	45.5	47.3	1				
7/6/2016	48.5	48.2	47.5	44				
7/13/2016	47.3	33	47.7	0.85				
7/20/2016	47.9	47.9	47.9	25.6				
7/27/2016	47.4	48.4	48.8	32.88				
8/10/2016	47.985	38.93	49.3	35.15				
8/24/2016	47.7	48.8	48.3	45.6				
DO (% sat)								
	Shockman	Bleakie	Musquashicut	Hunters				
6/29/2016	47.5	45.5	47.3	92.5				
7/6/2016	110	108	98.8	124.3				
7/13/2016	111.9	232.1	130.5	104.7				
7/20/2016	106.1	105.8	93.3	170.1				
7/27/2016	97.5	265	113	174				
8/10/2016	90.4	103.2	79.1	85				
8/24/2016	99.9	181	120.6	135.1				
Chl a (µg/L)								
	Shockman	Bleakie	Musquashicut	Hunters				
6/29/2016	1.78	21.02	3.96	1.31				
7/6/2016	1.3	5.23	0.41	8.97				
7/13/2016	6.77	4.06	105.84	72.97		Some confusion about sample IDs this week		
7/20/2016	1.76	3.27	7.27	11.85				
7/27/2016	8.21	76.1	10.56	18.4				
8/10/2016	1.81	11.39	9.32	13.68				
8/24/2016	3.19	17.37	8.86	9.71				

