

Appendix A

Marine Sediment Sampling Program (MSSP) Report for East Chezzetcook
(Stantec, March 2016)

FINAL REPORT - MARINE SEDIMENT SAMPLING PROGRAM: EAST CHEZZETCOOK DFO-SCH, HALIFAX COUNTY, NOVA SCOTIA

March 23, 2016

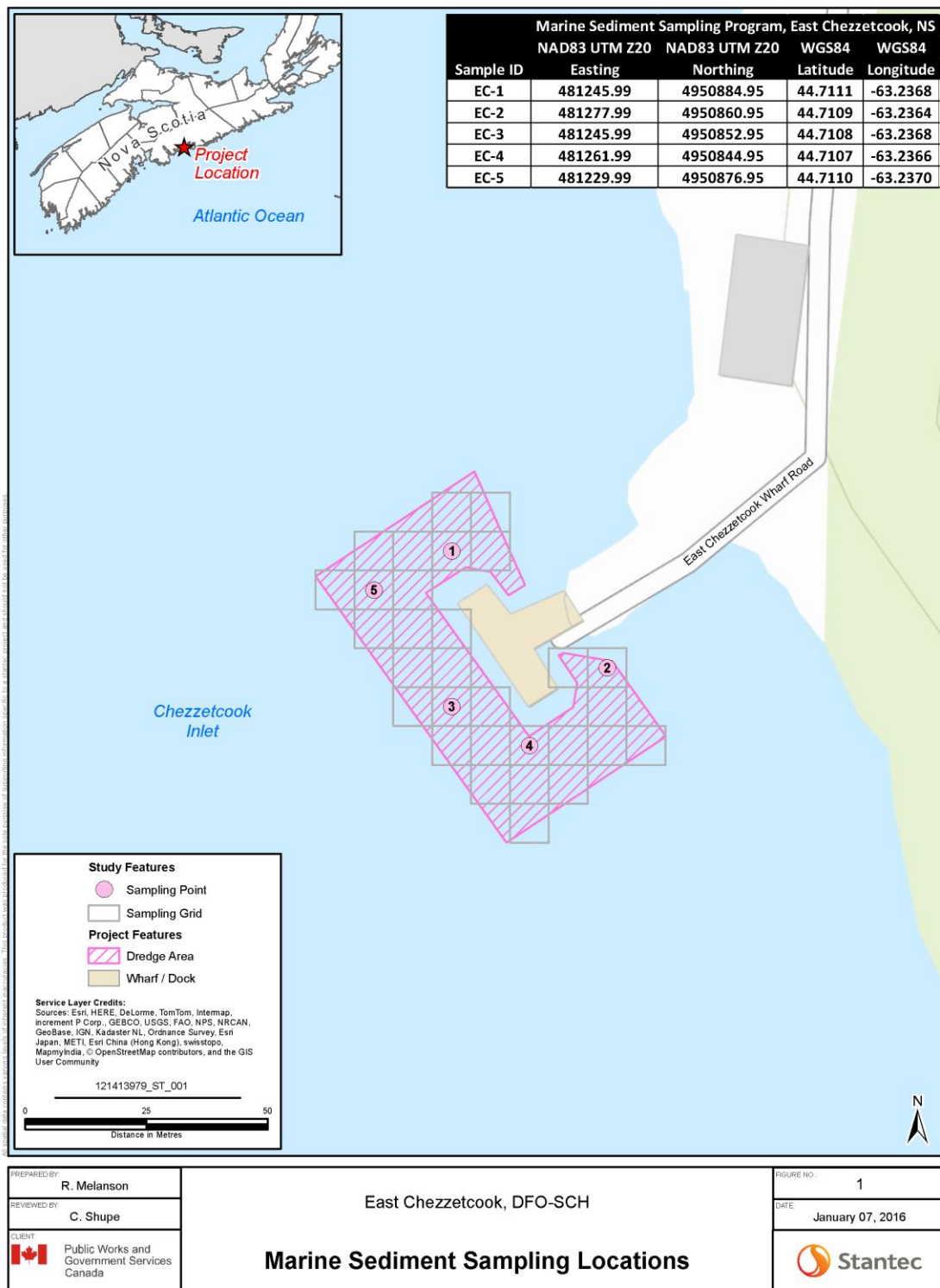


Figure 2.1 Marine Sediment Sample Locations at East Chezzetcook DFO-SCH.



File: 121413979

Table A1 TIC,TOC, and Grain Size Results for Marine Sediments - East Chezefcook, Nova Scotia

Parameter	RDL	Units	Sample Identification and Date							
			EC-1	EC-1 Lab-Dup	EC-2	EC-2 Lab-Dup	EC-3	EC-4	EC-5	EC-5 Lab-Dup
			12-Jan-16							
Grain Size Results										
< PHI -1 (2 mm)	0.10	%	100	100	100	n/a	100	100		n/a
< PHI 0 (1 mm)	0.10	%	100	100	94	n/a	99	99		n/a
< PHI +1 (0.5 mm)	0.10	%	100	99	90	n/a	98	97		n/a
< PHI +2 (0.25 mm)	0.10	%	88	85	87	n/a	96	95		n/a
< PHI +3 (0.12 mm)	0.10	%	21	21	79	n/a	58	44		n/a
< PHI +4 (0.062 mm)	0.10	%	1.7	1.8	66	n/a	8.4	5.4		n/a
< PHI +5 (0.031 mm)	0.10	%	1.4	1.7	56	n/a	6.6	4.8		n/a
< PHI +6 (0.016 mm)	0.10	%	1.4	1.4	34	n/a	5.6	4.1		n/a
< PHI +7 (0.0078 mm)	0.10	%	1.3	1.4	21	n/a	4.2	3		n/a
< PHI +8 (0.0039 mm)	0.10	%	1.3	1.3	18	n/a	4.1	2.9		n/a
< PHI +9 (0.0020 mm)	0.10	%	1.2	1.4	13	n/a	3.6	2.7		n/a
Gravel	0.10	%	<0.10	<0.10	0.32	n/a	0.35	<0.10		n/a
Sand	0.10	%	98	98	33	n/a	91	95		n/a
Silt	0.10	%	0.41	0.47	48	n/a	4.3	2.5		n/a
Clay	0.10	%	1.3	1.3	18	n/a	4.1	2.9		n/a
Other										
Total Organic Carbon (TOC)	Variable 0.8 to 1.1	g/kg	1.9	n/a	25	27	6.8	2.1	1	n/a
Total Inorganic Carbon (TIC)	Variable 0.8 to 1.1	g/kg	12	n/a	2.9	n/a	5.2	7.9	1.1	n/a
Total Carbon-combustion R(TC)	Variable 0.7 to 1.0	g/kg	14	n/a	27	n/a	12	10	2.1	2.2
Moisture	-	%	22	n/a	64	n/a	34	27	24	n/a

NOTE(S):

ND - Not Detected

n/a - not available