

Appendix B

Grain size analysis (table) from Marine Sediment Sampling Program (MSSP)
Report for Saint John (Wood Environment & Infrastructure, October 2018)



MARINE SEDIMENT SAMPLING PROGRAM
Transport Canada Ferry Terminal
Saint John, New Brunswick

FINAL REPORT

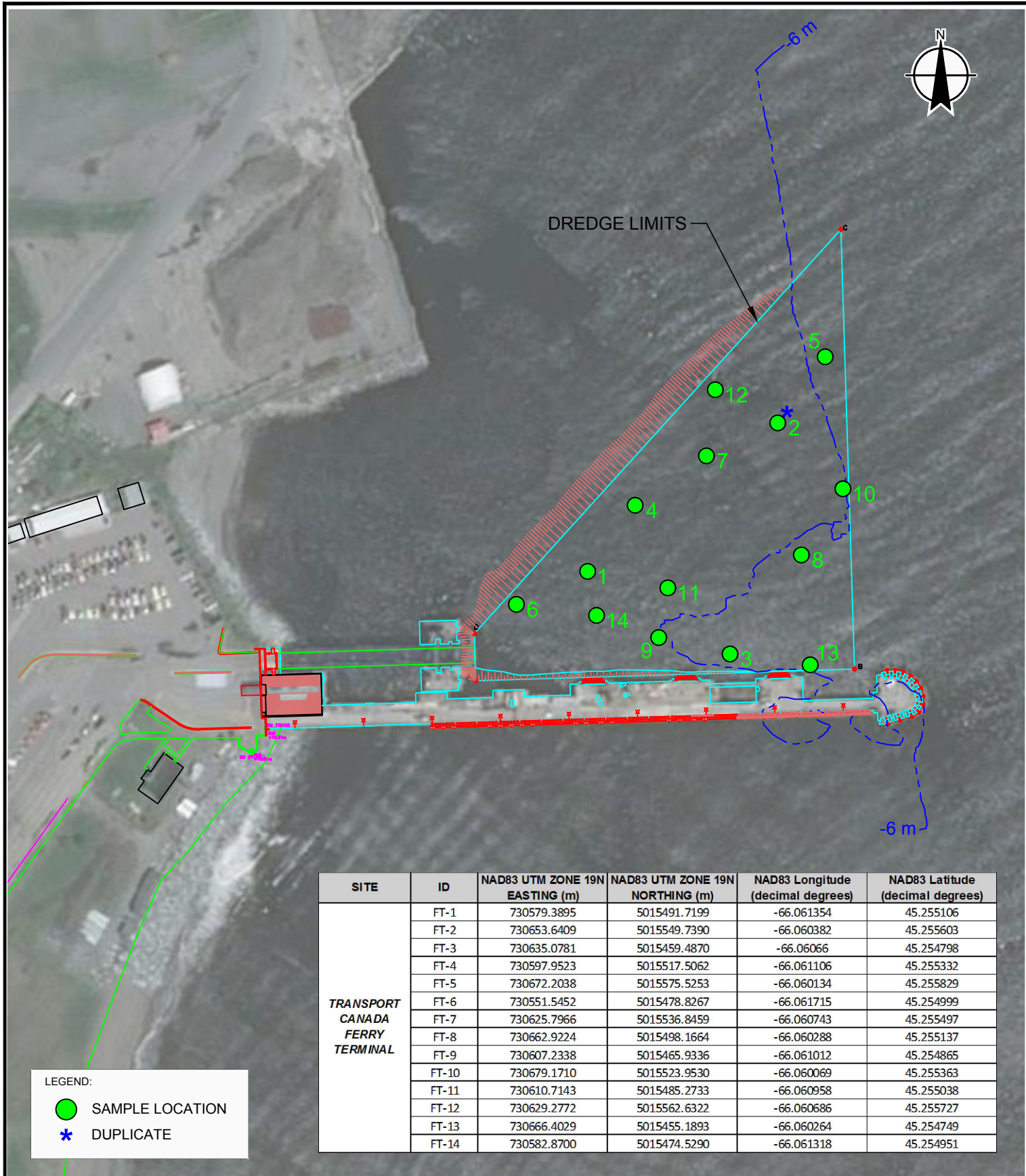
Submitted to:
Public Services and Procurement Canada
Saint John, New Brunswick

Submitted by:
Wood Environment & Infrastructure,
a Division of Wood Americas Limited
Saint John, New Brunswick

October 2018

TE161463





CLIENT: Public Works and Government Services Canada Travaux Publics et Services gouvernementaux Canada	SCALE: 1 : 2000	PROJECT: MARINE SEDIMENT SAMPLING PROGRAM DISPOSAL AT SEA PERMIT APPLICATION TRANSPORT CANADA FERRY TERMINAL, SAINT JOHN, NB	DWN BY: DM	DSGN'D BY: BM
	DATUM: NAD 83	TITLE: SEDIMENT SAMPLING SITES	CHK'D BY: BM	CHK'D (LEAD): LP
	PROJECTION: UTM ZONE 19 NORTH	PROJECT NO: TE161463	REV. DATE: 2018/08/13	REV. NO: 0
		FIGURE NO: 1		

Table C.4 Grain Size and TOC Content Results for Marine Sediments - Transport Canada Ferry Terminal, Saint John, NB

Parameter	RDL	Units	Sample Identification and Date															
			FT-1	FT-2	FT-Dup	FT-3	FT-4	FT-5	FT-6	FT-7	FT-8	FT-9	FT-10	FT-11	FT-12	FT-13	FT-14	
			23 July 2018															
Grain Size Results																		
< PHI -4 (12.5 mm)	0.1		100	100	100	100	100	100	100	100	100	100	100	100	100	100	72	100
< PHI -3 (9.5 mm)	0.1		100	100	100	100	100	100	100	100	100	100	100	100	100	100	68	100
< PHI -2 (4.75 mm)	0.1		100	100	100	100	100	100	100	91	100	100	98	100	100	100	65	100
< PHI -1 (2 mm)	0.1		100	100	100	99	100	100	81	100	100	100	97	100	100	100	60	100
< PHI 0 (1 mm)	0.1		100	100	100	97	100	100	78	100	100	100	96	100	100	100	55	99
< PHI +1 (1/2 mm)	0.1		99	100	100	95	100	100	78	100	100	99	95	100	100	100	52	99
< PHI +2 (1/4 mm)	0.1		98	99	99	94	100	99	77	99	98	94	100	97	99	50	97	
< PHI +3 (1/8 mm)	0.1		92	94	97	93	98	92	73	96	88	93	97	94	96	49	93	
< PHI +4 (1/16 mm)	0.1		84	84	88	87	86	80	64	88	87	87	91	86	85	44	84	
< PHI +5 (1/32 mm)	0.1	%	71	65	71	81	67	62	55	74	52	72	79	73	66	39	71	
< PHI +6 (1/64 mm)	0.1		58	51	56	63	51	43	42	55	38	60	61	59	48	32	53	
< PHI +7 (1/128 mm)	0.1		44	40	45	49	42	34	33	42	30	46	48	47	37	25	45	
< PHI +8 (1/256 mm)	0.1		40	36	40	43	36	31	29	37	26	41	41	41	33	22	39	
< PHI +9 (1/512 mm)	0.1		34	31	35	37	32	27	25	33	23	35	35	35	29	20	33	
Gravel	1		<1	<1	<1	1	<1	<1	19	<1	<1	3	<1	<1	<1	40	<1	
Sand	1		16	16	12	12	14	20	17	12	32	11	9	13	15	16	16	
Silt	1		45	49	48	44	49	50	35	51	42	46	50	46	53	22	44	
Clay	1		40	36	40	43	36	31	29	37	26	41	41	41	33	22	39	
Particles >75um	1		14	13	10	11	11	17	34	10	27	12	8	12	12	54	14	
Classification	NA		Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Fine	Coarse	Fine	
Other																		
Total Organic Carbon (TOC)	0.15	%	1.16	0.84	0.75	1.24	0.92	0.61	1.01	1.09	0.34	1.55	0.91	1.10	0.66	0.83	1.06	
Moisture	0.1	%	45	45	47	50	52	41	44	47	35	51	49	46	42	39	51	
NOTE(S):																		
Night values indicate results below detection limit.																		

NOTE(S):
Light values indicate results below detection limit.