Annex C - Environmental Monitoring and Audit Sampling Schedule for South of The Brothers (September 2012 - December 2017)

Baseline Monitoring Prior to Dredging	Code	Frequency	2012 J	F	M	A	M	J	J	A	S	O	N	D	2013 J	F	M	A	M	J	J	A	S	O	N	D	2014 J	F	M	A	M	J	J	A	S	O	N	D	2015 J	F	M	A	M	J	J	A	S	O	N	D	2016 J	F	M	A	M	J	J	A	S	O	N	D	2017 J	F	M	A	M	J	J	A	S	O	N	D
Far Field Stations		

Annex C - Environmental Monitoring and Audit Sampling Schedule for South of The Brothers (September 2012 - December 2017)

			2012												2013												2014												2015												2016												2017											
Sediment Toxicity Tests			J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
SB CMP 1 Active																																																																									
Reference																																																																									
	SB-TRA	2 times per year																									5						5																																							
	SB-TRB	2 times per year																									5						5																																							
Near-Field																																																																										
	SB-TAA	2 times per year																									5						5																																							
	SB-TAB	2 times per year																									5						5																																							
Sensitive Receiver Stations																																																																										
	MW1	2 times per year																									5						5																																							
	THB1	2 times per year																									5						5																																							
	THB2	2 times per year																									5						5																																							
SB CMP 2 Active																																																																										
Reference																																																																									
	SB-TRA	2 times per year																																						5					5																														
	SB-TRB	2 times per year																										5					5																																							
Near-Field																																																																										
	SB-TBA	2 times per year																										5					5																																							
	SB-TBB	2 times per year																										5					5																																							
Sensitive Receiver Stations																																																																										
	MW1	2 times per year																										5					5																																							
	THB1	2 times per year																										5					5																																							
	THB2	2 times per year																										5					5																																							

Tissue/ Whole Body Sampling			J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Near-Pit Stations																																																																									
	SB-INA	2 times per year																									*						*																																							
	SB-INB	2 times per year																									*						*																																							
Reference North																																																																									
	TNA	2 times per year																									*						*																																							
	TNB	2 times per year																									*						*																																							
Reference South																																																																									
	TSA	2 times per year																									*						*																																							
	TSB	2 times per year																									*						*																																							

Demersal Trawling			J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Impact																																																																								
	SB-INA 1-5	4 times per year																									5	5					5	5					5	5					5	5																											
	SB-INB 1-5	4 times per year																									5	5					5	5					5	5					5	5																											
Reference North																																																																									
	TNA 1-5	4 times per year																									5	5					5	5					5	5					5	5																											
	TNB 1-5	4 times per year																									5	5					5	5					5	5					5	5																											
Reference South																																																																									
	TSA 1-5	4 times per year																									5	5					5	5					5	5					5	5																											
	TSB 1-5	4 times per year																									5	5					5	5					5	5					5	5																											

Routine Water Quality Monitoring			J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Ebb Tide																																																																								
Impact Stations Downcurrent																																																																										
	SB-IPE1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-IPE2	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-IPE3	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-IPE4	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-IPE5	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
Intermediate Stations Downcurrent																																																																									
	SB-INE1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-INE2	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-INE3	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-INE4	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-INE5	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
Reference Stations Upcurrent																																																																									
	SB-RFE1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-RFE2	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-RFE3	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-RFE4	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-RFE5	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
Sensitive Receiver Stations																																																																									
	MW1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	THB1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	THB2	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	WSR45C	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	WSR46	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
Flood Tide																																																																									
Impact Stations Downcurrent																																																																									
	SB-IPF1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-IPF2	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-IPF3	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
Intermediate Stations Downcurrent																																																																									
	SB-INF1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-INF2	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-INF3	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
Reference Stations Upcurrent																																																																									
	SB-RFF1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-RFF2	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	SB-RFF3	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
Sensitive Receiver Stations																																																																									
	MW1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	THB1	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	THB2	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	WSR45C	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							
	WSR46	8 times per year																						8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8		8	8																							

Annex C - Environmental Monitoring and Audit Sampling Schedule for South of The Brothers (September 2012 - December 2017)

			2012												2013												2014												2015												2016												2017											
Water Column Profiling			J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Plume Stations	WCP1	Monthly																					4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																						
	WCP2	Monthly																					4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4																						

Capping Water Quality Monitoring			J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Ebb Tide																																																																											
Impact Stations Downcurrent																																																																														
	SB-IPE1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-IPE2	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-IPE3	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-IPE4	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-IPE5	4 times per year																																				3		3				3		3				3		3				3		3				3																							
Intermediate Stations Downcurrent																																																																											
	SB-INE1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-INE2	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-INE3	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-INE4	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-INE5	4 times per year																																				3		3				3		3				3		3				3		3				3																							
Reference Stations Upcurrent																																																																											
	SB-RFE1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-RFE2	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-RFE3	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-RFE4	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-RFE5	4 times per year																																				3		3				3		3				3		3				3		3				3																							
Sensitive Receiver Stations																																																																											
	MW1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	THB1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	THB2	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	WSR45C	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	WSR46	4 times per year																																				3		3				3		3				3		3				3		3				3																							
Flood Tide																																																																											
Impact Stations Downcurrent																																																																											
	SB-IPF1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-IPF2	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-IPF3	4 times per year																																				3		3				3		3				3		3				3		3				3																							
Intermediate Stations Downcurrent																																																																											
	SB-INF1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-INF2	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-INF3	4 times per year																																				3		3				3		3				3		3				3		3				3																							
Reference Stations Upcurrent																																																																											
	SB-RFF1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-RFF2	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	SB-RFF3	4 times per year																																				3		3				3		3				3		3				3		3				3																							
Sensitive Receiver Stations																																																																											
	MW1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	THB1	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	THB2	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	WSR45C	4 times per year																																				3		3				3		3				3		3				3		3				3																							
	WSR46	4 times per year																																				3		3				3		3				3		3				3		3				3																							

Benthic Recolonisation Studies			J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Capped Contaminated Mud Pits																																																																										
	SB-CPA	2 times per year																																												12				12								12				12								12				12
	SB-CPB	2 times per year																																12				12								12				12								12				12								12				12
Reference Stations																																																																											
	RBA	2 times per year																																12				12								12				12								12				12								12				12
	RBB	2 times per year																																12				12								12				12								12				12								12				12
	RBC	2 times per year																																12				12								12				12								12				12								12				12

Notes:
"*" = Number of replicates depends on parameters
Naming of stations are tentative only and will be subjected to changes