

*Annex A1 - Environmental Monitoring and Audit Sampling Schedule for East of Sha Chau (September 2012 - December 2014)*

		2012				2013				2014							
Pit Specific Sediment Chemistry	Code	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Active-Pit																	
	ESC-NPDA	*	*	*	*	*	*	*	*	*	*	*	*	*			
	ESC-NPDB	*	*	*	*	*	*	*	*	*	*	*	*	*			
Pit-Edge																	
	ESC-NEDA	*	*	*	*	*	*	*	*	*	*	*	*	*			
	ESC-NEDB	*	*	*	*	*	*	*	*	*	*	*	*	*			
Near-Pit																	
	ESC-NNDA	*	*	*	*	*	*	*	*	*	*	*	*	*			
	ESC-NNDB	*	*	*	*	*	*	*	*	*	*	*	*	*			
<b>Cumulative Impact Sediment Chemistry</b>		S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Near-field Stations																	
	ESC-RNA			*		*				*		*					
	ESC-RNB			*		*				*		*					
Mid-field Stations																	
	ESC-RMA			*		*				*		*					
	ESC-RMB			*		*				*		*					
Capped Pit Stations																	
	ESC-RCA			*		*				*		*					
	ESC-RCB			*		*				*		*					
Far-Field Stations																	
	ESC-RFA			*		*				*		*					
	ESC-RFB			*		*				*		*					
Ma Wan Station																	
	MW1			*		*				*		*					
<b>Sediment Toxicity Tests</b>		S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Near-Field Stations																	
	ESC-TDA					*						*					
	ESC-TDB					*						*					
Reference Stations																	
	ESC-TRA					*						*					
	ESC-TRB					*						*					
Ma Wan Station																	
	MW1			*								*					
<b>Tissue/ Whole Body Sampling</b>		S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Impact Stations																	
	ESC-INA						*					*					
	ESC-INB						*					*					
Reference																	
	ESC-TNA						*					*					
	ESC-TNB						*					*					
	ESC-TSA						*					*					
	ESC-TSB						*					*					
<b>Demersal Trawling</b>		S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Impact Stations																	
	ESC-INA						*	*				*	*				
	ESC-INB						*	*				*	*				
Reference Stations																	
	ESC-TNA						*	*				*	*				
	ESC-TNB						*	*				*	*				
	ESC-TSA						*	*				*	*				
	ESC-TSB						*	*				*	*				
<b>Water Column Profiling</b>		S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Plume Stations		*	*	*	*	*	*	*	*	*	*	*	*	*			
	WCP1	*	*	*	*	*	*	*	*	*	*	*	*	*			
	WCP2	*	*	*	*	*	*	*	*	*	*	*	*	*			
<b>Benthic Recolonisation Studies</b>		S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Capped Contaminated Mud Pits IVa-c																	
	ESC-CPA						*					*					
	ESC-CPB						*					*					
	ESC-CPC						*					*					
Reference Stations																	
	ESC-RBA						*					*					
	ESC-RBB						*					*					
	ESC-RBC						*					*					
<b>Impact Monitoring for Dredging</b>		S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
Upstream/Reference Stations																	
	US1	*	*	*	*	*	*	*	*	*	*	*	*				
	US2	*	*	*	*	*	*	*	*	*	*	*	*				
Downstream/Impact Stations																	
	DS1	*	*	*	*	*	*	*	*	*	*	*	*				
	DS2	*	*	*	*	*	*	*	*	*	*	*	*				
	DS3	*	*	*	*	*	*	*	*	*	*	*	*				
	DS4	*	*	*	*	*	*	*	*	*	*	*	*				
	DS5	*	*	*	*	*	*	*	*	*	*	*	*				
Ma Wan Station																	
	MW1	*	*	*	*	*	*	*	*	*	*	*	*				

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	2012				2013				2014							
	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>Capping</b>																
<i>Ebb Tide</i>																
Impact Station										*	*	*	*	*	*	*
	ESC-IPE1									*	*	*	*	*	*	*
	ESC-IPE2									*	*	*	*	*	*	*
	ESC-IPE3									*	*	*	*	*	*	*
	ESC-IPE4									*	*	*	*	*	*	*
	ESC-IPE5									*	*	*	*	*	*	*
Intermediate Station										*	*	*	*	*	*	*
	ESC-INE1									*	*	*	*	*	*	*
	ESC-INE2									*	*	*	*	*	*	*
	ESC-INE3									*	*	*	*	*	*	*
	ESC-INE4									*	*	*	*	*	*	*
	ESC-INE5									*	*	*	*	*	*	*
Reference Station										*	*	*	*	*	*	*
	ESC-RFE1									*	*	*	*	*	*	*
	ESC-RFE2									*	*	*	*	*	*	*
	ESC-RFE3									*	*	*	*	*	*	*
	ESC-RFE4									*	*	*	*	*	*	*
	ESC-RFE5									*	*	*	*	*	*	*
Ma Wan Station										*	*	*	*	*	*	*
	MW1									*	*	*	*	*	*	*
<i>Flood Tide</i>																
Impact Station																
	ESC-IPF1									*	*	*	*	*	*	*
	ESC-IPF2									*	*	*	*	*	*	*
	ESC-IPF3									*	*	*	*	*	*	*
Intermediate Station										*	*	*	*	*	*	*
	ESC-INF1									*	*	*	*	*	*	*
	ESC-INF2									*	*	*	*	*	*	*
	ESC-INF3									*	*	*	*	*	*	*
Reference Station										*	*	*	*	*	*	*
	ESC-RFF1									*	*	*	*	*	*	*
	ESC-RFF2									*	*	*	*	*	*	*
	ESC-RFF3									*	*	*	*	*	*	*
Ma Wan Station										*	*	*	*	*	*	*
	MW1									*	*	*	*	*	*	*
<b>Routine Water Quality Monitoring</b>	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<i>Ebb Tide</i>																
Impact Station																
	ESC-IPE1	*	*		*	*		*	*	*	*					
	ESC-IPE2	*	*		*	*		*	*	*	*					
	ESC-IPE3	*	*		*	*		*	*	*	*					
	ESC-IPE4	*	*		*	*		*	*	*	*					
	ESC-IPE5	*	*		*	*		*	*	*	*					
Intermediate Station																
	ESC-INE1	*	*		*	*		*	*	*	*					
	ESC-INE2	*	*		*	*		*	*	*	*					
	ESC-INE3	*	*		*	*		*	*	*	*					
	ESC-INE4	*	*		*	*		*	*	*	*					
	ESC-INE5	*	*		*	*		*	*	*	*					
Reference Station																
	ESC-RFE1	*	*		*	*		*	*	*	*					
	ESC-RFE2	*	*		*	*		*	*	*	*					
	ESC-RFE3	*	*		*	*		*	*	*	*					
	ESC-RFE4	*	*		*	*		*	*	*	*					
	ESC-RFE5	*	*		*	*		*	*	*	*					
Ma Wan Station																
	MW1	*	*		*	*		*	*	*	*					
<i>Flood Tide</i>																
Impact Station																
	ESC-IPF1	*	*		*	*		*	*	*	*					
	ESC-IPF2	*	*		*	*		*	*	*	*					
	ESC-IPF3	*	*		*	*		*	*	*	*					
Intermediate Station																
	ESC-INF1	*	*		*	*		*	*	*	*					
	ESC-INF2	*	*		*	*		*	*	*	*					
	ESC-INF3	*	*		*	*		*	*	*	*					
Reference Station																
	ESC-RFF1	*	*		*	*		*	*	*	*					
	ESC-RFF2	*	*		*	*		*	*	*	*					
	ESC-RFF3	*	*		*	*		*	*	*	*					
Ma Wan Station																
	MW1	*	*		*	*		*	*	*	*					

**Annex A2 - Environmental Monitoring and Audit Sampling Schedule for South of The Brothers (July 2012 - December 2017)**

Baseline Monitoring Prior to Dredging	Code	Frequency	2012				2013				2014				2015				2016				2017																									
			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				
Far Field Stations	SB-WFA	3 days per week for 4 weeks	*	*																																												
	SB-WFB	3 days per week for 4 weeks	*	*																																												
Mid Field Stations	SB-WMA	3 days per week for 4 weeks	*	*																																												
	SB-WMB	3 days per week for 4 weeks	*	*																																												
Near Field Stations	SB-WNAA	3 days per week for 4 weeks	*	*																																												
	SB-WNAB	3 days per week for 4 weeks	*	*																																												
	SB-WNBA	3 days per week for 4 weeks	*	*																																												
	SB-WNBB	3 days per week for 4 weeks	*	*																																												
Reference Stations	NM1	3 days per week for 4 weeks	*	*																																												
	NM2	3 days per week for 4 weeks	*	*																																												
	NM3	3 days per week for 4 weeks	*	*																																												
	NM5	3 days per week for 4 weeks	*	*																																												
	NM6	3 days per week for 4 weeks	*	*																																												
Sensitive Receiver Stations	MW1	3 days per week for 4 weeks	*	*																																												
	THB1	3 days per week for 4 weeks	*	*																																												
	THB2	3 days per week for 4 weeks	*	*																																												
	WSR45C	3 days per week for 4 weeks	*	*																																												
	WSR46	3 days per week for 4 weeks	*	*																																												
<b>Impact Monitoring for Dredging</b>			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				
Upstream Stations	US1	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	US2	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
Downstream Stations	DS1	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	DS2	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	DS3	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	DS4	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	DS5	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
Sensitive Receiver Stations	MW1	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	THB1	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	THB2	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	WSR45C	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	WSR46	3 days per week	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
<b>Pit Specific Sediment Chemistry</b>			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</										

## **Annex A2 - Environmental Monitoring and Audit Sampling Schedule for South of The Brothers (July 2012 - December 2017)**

## **Annex A2 - Environmental Monitoring and Audit Sampling Schedule for South of The Brothers (July 2012 - December 2017)**

**Annex A2 - Environmental Monitoring and Audit Sampling Schedule for South of The Brothers (July 2012 - December 2017)**

Capping Water Quality Monitoring	2012					2013					2014					2015					2016					2017					
	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	
<i>Ebb Tide</i>																															
Impact Stations Downcurrent																															
SB-IPE1	8 times per year																														
SB-IPE2	8 times per year																														
SB-IPE3	8 times per year																														
SB-IPE4	8 times per year																														
SB-IPE5	8 times per year																														
Intermediate Stations Downcurrent																															
SB-INE1	8 times per year																														
SB-INE2	8 times per year																														
SB-INE3	8 times per year																														
SB-INE4	8 times per year																														
SB-INE5	8 times per year																														
Reference Stations Upcurrent																															
SB-RFE1	8 times per year																														
SB-RFE2	8 times per year																														
SB-RFE3	8 times per year																														
SB-RFE4	8 times per year																														
SB-RFE5	8 times per year																														
Sensitive Receiver Stations																															
MW1	8 times per year																														
THB1	8 times per year																														
THB2	8 times per year																														
WSR45C	8 times per year																														
WSR46	8 times per year																														
<i>Flood Tide</i>																															
Impact Stations Downcurrent																															
SB-IPF1	8 times per year																														
SB-IPF2	8 times per year																														
SB-IPF3	8 times per year																														
Intermediate Stations Downcurrent																															
SB-INF1	8 times per year																														
SB-INF2	8 times per year																														
SB-INF3	8 times per year																														
Reference Stations Upcurrent																															
SB-RFF1	8 times per year																														
SB-RFF2	8 times per year																														
SB-RFF3	8 times per year																														
Sensitive Receiver Stations																															
MW1	8 times per year																														
THB1	8 times per year																														
THB2	8 times per year																														
WSR45C	8 times per year																														
WSR46	8 times per year																														
<b>Benthic Recolonisation Studies</b>																															
Capped Contaminated Mud Pits		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-CPA	2 times per year</																														