

Annex A1 - Environmental Monitoring and Audit Sampling Schedule for East of Sha Chau (September 2012 - February 2017)

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Cumulative Impact Sediment Chemistry		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	
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				*		*				*		*																				*			*		*			*		*	

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Demersal Trawling		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			
Impact Stations																																														
	ESC-INA					*	*					*	*																			*	*					*	*					*	*	
	ESC-INB					*	*					*	*																			*	*					*	*					*	*	
Reference Stations																																														
	ESC-TNA					*	*					*	*																			*	*					*	*					*	*	
	ESC-TNB					*	*					*	*																			*	*					*	*					*	*	
	ESC-TSA					*	*					*	*																			*	*					*	*					*	*	
	ESC-TSB					*	*					*	*																			*	*					*	*					*	*	

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	2012				2013				2014				2015				2016				2017																						
Benthic Recolonisation Studies	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	
Capped Contaminated Mud Pits IVa-c																																											
ESC-CPA				*								*				*								*				*															
ESC-CPB				*								*				*								*				*															
ESC-CPC				*								*				*								*				*															
Reference Stations																																											
ESC-RBA				*								*				*								*				*															
ESC-RBB				*								*				*								*				*															
ESC-RBC				*								*				*								*				*															

Impact Monitoring for Dredging	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	
Upstream/Reference Stations																																											
US1	*	*	*	*	*	*	*	*	*	*																																	
US2	*	*	*	*	*	*	*	*	*	*																																	
Downstream/Impact Stations																																											
DS1	*	*	*	*	*	*	*	*	*	*																																	
DS2	*	*	*	*	*	*	*	*	*	*																																	
DS3	*	*	*	*	*	*	*	*	*	*																																	
DS4	*	*	*	*	*	*	*	*	*	*																																	
DS5	*	*	*	*	*	*	*	*	*	*																																	
Ma Wan Station																																											
MW1	*	*	*	*	*	*	*	*	*	*																																	

Capping	S	O	N	D	J	F	M	A	M	J</
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		2012				2013				2014				2015				2016				2017										
Routine Water Quality Monitoring		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	
Ebb Tide																																
Impact Station																																
	ESC-IPE1	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-IPE2	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-IPE3	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-IPE4	*	*			*	*		*	*		*	*															*	*	*	*	*
Intermediate Station	ESC-IPE5	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-INE1	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-INE2	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-INE3	*	*			*	*		*	*		*	*															*	*	*	*	*
Reference Station	ESC-INE4	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-INE5	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-RFE1	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-RFE2	*	*			*	*		*	*		*	*															*	*	*	*	*
Ma Wan Station	ESC-RFE3	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-RFE4	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-RFE5	*	*			*	*		*	*		*	*															*	*	*	*	*
	MW1	*	*			*	*		*	*		*	*															*	*	*	*	*
Flood Tide																																
Impact Station																																
	ESC-IPF1	*	*	*		*	*		*	*		*	*															*	*	*	*	*
	ESC-IPF2	*	*			*	*		*	*		*	*															*	*	*	*	*
Intermediate Station	ESC-IPF3	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-INF1	*	*			*	*		*	*		*	*															*	*	*	*	*
Reference Station	ESC-INF2	*	*			*	*		*	*		*	*															*	*	*	*	*
	ESC-INF3	*	*			*	*		*	*		*	*															*	*	*	*	*
Ma Wan 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 - February 2017)

			2012							2013							2014							2015							2016							2017										
Baseline Monitoring Prior to Dredging	Code	Frequency	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		
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	*	*																																												

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			2012							2013							2014							2015							2016							2017											
Cumulative Impact Sediment Chemistry			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			
Near-field Stations	SB-RNA	4 times per year														12				12		12				12		12				12		12				12		12				12					
	SB-RNB	4 times per year														12				12		12				12		12				12		12				12		12				12					
Mid-field Stations	SB-RMA	4 times per year														12				12		12				12		12				12		12				12		12				12					
	SB-RMB	4 times per year														12				12		12				12		12				12		12				12		12				12					
Far-Field Stations	SB-RFA	4 times per year														12				12		12				12		12				12		12				12		12				12					
	SB-RFB	4 times per year														12				12		12				12		12				12		12				12		12				12					
Capped Pit Stations	SB-RCA	4 times per year														12				12		12				12		12				12		12				12		12				12					
	SB-RCB	4 times per year														12				12		12				12		12				12		12				12		12				12					
Sensitive Receiver Stations	MW1	4 times per year														12				12		12				12		12				12		12				12		12				12					
	THB1	4 times per year														12				12		12				12		12				12		12				12		12				12					
	THB2	4 times per year														12				12		12				12		12				12		12				12		12				12					

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			2012						2013						2014						2015						2016						2017																							
Capping Water Quality Monitoring			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										
<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																																																						
Intermediate Stations Downcurrent	SB-IPE5	8 times per year																																																						
	SB-INE1	8 times per year																																																						
	SB-INE2	8 times per year																																																						
	SB-INE3	8 times per year																																																						
Reference Stations Upcurrent	SB-INE4	8 times per year																																																						
	SB-INE5	8 times per year																																																						
	SB-RFE1	8 times per year																																																						
	SB-RFE2	8 times per year																																																						
Sensitive Receiver Stations	SB-RFE3	8 times per year																																																						
	SB-RFE4	8 times per year																																																						
	SB-RFE5	8 times per year																																																						
	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																																																						
Intermediate Stations Downcurrent	SB-IPF3	8 times per year																																																						
	SB-INF1	8 times per year																																																						
Reference Stations Upcurrent	SB-INF2	8 times per year																																																						

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