

Annex A1 - East of Sha Chau Environmental Monitoring and Audit Sampling Schedule for CMP IV (January 2012 - December 2013)

			2012												2013											
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
Near-Pit Stations	INA			*																						
	INB			*																						
Reference North	TNA			*																						
	TNB			*																						
Reference South	TSA			*																						
	TSB			*																						
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
Near Pit Stations	INA 1-5			*	*																					
	INB 1-5			*	*																					
Reference North	TNA 1-5			*	*																					
	TNB 1-5			*	*																					
Reference South	TSA 1-5			*	*																					
	TSB 1-5			*	*																					
Capping			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 Station Downcurrent	IPE1			*				*	*					*	*	*				*	*					*
	IPE2			*				*	*					*	*	*				*	*					*
	IPE3			*				*	*					*	*	*				*	*					*
	IPE4			*				*	*					*	*	*				*	*					*
	PFC1			*				*	*					*	*	*				*	*					*
Intermediate Station Downcurrent	INE1			*				*	*					*	*	*				*	*					*
	INE2			*				*	*					*	*	*				*	*					*
	INE3			*				*	*					*	*	*				*	*					*
	INE4			*				*	*					*	*	*				*	*					*
	INE5			*				*	*					*	*	*				*	*					*
Reference Station Upcurrent	RFE1			*				*	*					*	*	*				*	*					*
	RFE2			*				*	*					*	*	*				*	*					*
	RFE3			*				*	*					*	*	*				*	*					*
	RFE4			*				*	*					*	*	*				*	*					*
	RFE5			*				*	*					*	*	*				*	*					*
<i>Flood Tide</i>																										
Impact Station Downcurrent	INF1			*				*	*					*	*	*				*	*					*
	PFC2			*				*	*					*	*	*				*	*					*
	INF3			*				*	*					*	*	*				*	*					*
Intermediate Station Downcurrent	IPF1			*				*	*					*	*	*				*	*					*
	IPF2			*				*	*					*	*	*				*	*					*
	IPF3			*				*	*					*	*	*				*	*					*
Reference Station Upcurrent	RFF1			*				*	*					*	*	*				*	*					*
	RFF2			*				*	*					*	*	*				*	*					*
	RFF3			*				*	*					*	*	*				*	*					*
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
Plume Stations	WCP1			*																						
	WCP2			*																						
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
Capped Contaminated Mud Pits III																										
CPA	1 grab per station							*						*	*					*						*
CPB	1 grab per station							*						*	*					*						*
CPC	1 grab per station							*						*	*					*						*
Reference Stations																										
RBA	1 grab per station							*						*	*					*						*
RBB	1 grab per station							*						*	*					*						*
RBC	1 grab per station							*						*	*					*						*

*n = Number of replicates depends on field catch or parameters

Light blue = Sampling completed
Yellow = Sampling to be completed

Pit Specific Sediment Chemistry	Code	2012												2013					2014								
		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
Active-Pit	ESC-NPDA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	ESC-NPDB	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*							
Pit-Edge	ESC-NEDA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	ESC-NEDB	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*							
Near-Pit	ESC-NNDA	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*								
	ESC-NNDB	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*							

Cumulative Impact Sediment Chemistry		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	*					*		*				*		*				*									

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		
Near-Field Stations	ESC-TDA	*							*						*														
	ESC-TDB	*							*						*														
Reference Stations	ESC-TRA	*							*						*														
	ESC-TRB	*							*						*														
Ma Wan Station	MW1	*							*						*														

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		
Impact Stations	ESC-INA								*						*														
	ESC-INB								*						*														
Reference	ESC-TNA								*						*														
	ESC-TNB								*						*														
Ma Wan Station	ESC-TSA								*						*														
	ESC-TSB								*						*														

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		
Impact Stations	ESC-INA							*	*						*	*													
	ESC-INB							*	*						*	*													
Reference Stations	ESC-TNA							*	*						*	*													
	ESC-TNB							*	*						*	*													
Ma Wan Station	ESC-TSA							*	*						*	*													
	ESC-TSB							*	*						*	*													

Capping		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 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																			*			*		*				

		2012												2013												2014	
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
<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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				
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
Plume Stations	WCP1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
	WCP2	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*			
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
Capped Contaminated Mud Pits IVa-c																											
Reference Stations	ESC-CPA							*				*								*			*				
	ESC-CPB							*				*								*			*				
	ESC-CPC							*				*								*			*				
	ESC-RBA							*				*								*			*				
	ESC-RBB							*				*								*			*				
	ESC-RBC							*				*								*			*				
Impact Monitoring for Dredging		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	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*				

Sampling completed
 Sampling to be completed