

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

Tissue/ Whole Body Sampling	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			
Impact Stations	ESC-INA							*						*				*		*										
	ESC-INB							*						*				*		*		*								
Reference	ESC-TNA							*						*				*		*		*								
	ESC-TNB							*						*				*		*		*								
Ma Wan Station	ESC-TSA							*						*				*		*		*								
	ESC-TSB							*						*				*		*		*								

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

Capping	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				
Ebb Tide																															
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																									*	*				
Flood Tide																															
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