

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
<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