

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/a" = Number of replicates depends on field catch or parameters

 Sampling completed
 Sampling to be completed

		2012												2013										2014				
Pit Specific Sediment Chemistry	Code	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		*				*		*				*		*				*								

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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
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																				*				*		*
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		*		*	*		*	*		*	*		*	*		*	*										
Reference Station	ESC-INE5		*		*	*		*	*		*	*		*	*		*	*										
			*		*	*		*	*		*	*		*	*		*	*										
	ESC-RFE1		*		*	*		*	*		*	*		*	*		*	*										
	ESC-RFE2		*		*	*		*	*		*	*		*	*		*	*										
	ESC-RFE3		*		*	*		*	*		*	*		*	*		*	*										
Ma Wan Station	ESC-RFE4		*		*	*		*	*		*	*		*	*		*	*										
	ESC-RFE5		*		*	*		*	*		*	*		*	*		*	*										
			*		*	*		*	*		*	*		*	*		*	*										
	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