

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								*						*					*								
	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							*	*						*	*				*	*							
	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