

Appendix N1 Cumulative Statistics on Exceedances

		Total No. recorded in this reporting month	Total No. recorded since project commencement
1-Hr TSP	Action	0	0
	Limit	0	1
24-Hr TSP	Action	0	2
	Limit	0	0
Noise	Action	0	0
	Limit	0	0
Water Quality	Action	3	141
	Limit	0	15
Impact Dolphin Monitoring	Action	0	11
	Limit	0	11

Appendix N2 Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (June 2018)	2	0	0
Total No. received since project commencement	14	0	0

Email
message

Environmental
Resources
Management

To Ramboll Hong Kong Limited (ENPO)

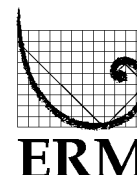
From ERM- Hong Kong, Limited

Ref/Project number Contract No. HY/2012/07
Tuen Mun – Chek Lap Kok Link – Southern
Connection Viaduct Section

Subject Notification of Exceedance for Marine Water
Quality Impact Monitoring

Date 26 June 2018

2507,
25/F One Harbourfront,
18 Tak Fung Street,
Hung Hom, Hong Kong
Telephone: (852) 2271 3113
Facsimile: (852) 2723 5660
E-mail: jovy.tam@erm.com



Dear Sir/ Madam,

Please find attached the Notification of Exceedance (NOE) of the following
Log no.:

Action Level Exceedance

0215660_25 June 2018_ Bottom-depth DO_E_ Station SR4a
0215660_25 June 2018_ Depth-averaged turbidity_E_ Station SR4a

A total of two exceedances were recorded on 25 June 2018.

Regards,

A handwritten signature in black ink, appearing to be 'Jovy Tam', written in a cursive style.

Mr Jovy Tam
Environmental Team Leader

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ERM-Hong Kong, Limited

CONTRACT NO. HY/2012/07

TUEN MUN – CHEK LAP KOK LINK –
SOUTHERN CONNECTION VIADUCT SECTION

Marine Water Quality Impact Monitoring

Notification of Exceedance

Log No.	<u>Action Level Exceedance</u> 0215660_25 June 2018_ Bottom-depth DO_E_Station SR4a 0215660_25 June 2018_ Depth-averaged Turbidity_E_Station SR4a [Total No. of Exceedances = 2]	
Date	25 June 2018 (Measured) 26 June 2018 (<i>In situ</i> results received by ERM) 04 July 2018 (Laboratory results received by ERM)	
Monitoring Station	CS(Mf)5, SR4a, SR4, IS8, IS(Mf)16, IS(Mf)9, CS(Mf)3(N)	
Parameter(s) with Exceedance(s)	Bottom-depth Dissolved Oxygen (DO), Depth-averaged Turbidity	
Action Levels for DO	Bottom-depth DO	4.7 mg/L
Limit Levels for DO	Bottom-depth DO	3.6 mg/L
Action Levels for Turbidity	Depth-averaged Turbidity	27.5 NTU
Limit Levels for Turbidity	Depth-averaged Turbidity	47.0 NTU
Measured Levels	<u>Action Level Exceedance</u> 1. Mid-ebb at SR4a (Bottom-depth DO = 4.4mg/L); 2. Mid-ebb at SR4a (Depth-averaged Turbidity = 31.0 NTU)	
Works Undertaken (at the time of monitoring event)	No major marine works was undertaken under this Contract on 25 June 2018.	

Possible Reason for Action or Limit Level Exceedance(s)	The exceedances of bottom-depth DO and depth-averaged Turbidity are unlikely to be due to the Project, in view of the following: • No marine works was undertaken under this Contract on 25 June 2018. • Apart from DO exceedance at SR4a, levels of DO at all monitoring stations were in compliance with the Action and Limit Levels during both mid-ebb and mid-flood tides on the same day. • DO levels were generally lower at water quality monitoring stations due to two possible reasons of natural variation: 1. Natural ability for water to hold dissolved oxygen is reduced due to higher water temperature in summer months. 2. The higher Salinity recorded at the bottom level of SR4a was possibly caused by the stratification of seawater during summer when the freshwater discharged from the Pearl River tended to form a surface layer of lower salinity water, which is probably responsible for the lower Salinity recorded at the surface and middle levels compared to the higher Salinity recorded at the bottom level of the monitoring stations. The stratification of seawater in the water column is likely a contributing factor to the results of lower levels of DO at the bottom level. • Apart from SR4a, depth-averaged Turbidity levels at all other monitoring stations were in compliance with the Action and Limit Levels during both mid-flood and mid-ebb tides on the same day. • Depth-averaged Suspended Solids (SS) levels at all stations were in compliance with the Action and Limit Levels during both mid-ebb and mid-flood tides on the same day. • No effluent discharge from platforms and work areas was observed and no malpractice was observed during the sampling process on 25 June 2018.
Actions Taken/ To Be Taken	No immediate action is considered necessary. The ET will monitor for future trends in exceedances.
Remarks	The monitoring results on 25 June 2018 and locations of water quality monitoring stations are attached. Site photo record on 25 June 2018 is attached.

Project	Works	Date (yyyy-mm-dd)	Tide	Station	Start Time	Level	Replicate	Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average DO (mg/L)	Turbidity (NTU)	Depth-Averaged Turbidity	SS (mg/L)	Depth-Averaged SS
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)5	10:50	Surface	1	28.8	7.9	20.8	5.7	5.3	6.4	10.2	4.5	8.1
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)5	10:50	Surface	2	28.8	8.0	20.8	5.8		7.0		4.7	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)5	10:50	Middle	1	28.3	7.9	25.4	4.8		9.8		9.2	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)5	10:50	Middle	2	28.3	8.0	25.3	4.8	4.7	9.2		9.7	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)5	10:50	Bottom	1	27.8	7.9	28.1	4.6		14.6		9.9	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)5	10:50	Bottom	2	27.9	7.9	28.0	4.7		14.4		10.3	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)3(N)	12:17	Surface	1	28.9	8.0	16.6	6.2	5.9	4.1	7.2	5.0	5.7
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)3(N)	12:17	Surface	2	28.9	8.1	16.5	6.3		4.7		5.8	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)3(N)	12:17	Middle	1	29.0	8.0	19.0	5.5		2.6		6.2	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)3(N)	12:17	Middle	2	28.9	8.0	18.9	5.6	4.8	3.3		6.5	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)3(N)	12:17	Bottom	1	28.8	8.0	22.6	4.7		13.3		5.3	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	CS(Mf)3(N)	12:17	Bottom	2	28.7	8.0	22.4	4.8		15.2		5.6	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)16	11:30	Surface	1	28.5	7.9	20.1	5.8	5.6	7.4	9.1	6.0	7.1
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)16	11:30	Surface	2	28.6	7.9	20.1	5.9		7.3		5.3	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)16	11:30	Middle	1	28.5	7.9	22.7	5.2		10.3			
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)16	11:30	Middle	2	28.6	7.9	22.6	5.3	5.3	10.9			
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)16	11:30	Bottom	1	28.4	7.9	23.7	5.2		9.2		8.2	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)16	11:30	Bottom	2	28.5	8.0	23.7	5.3		9.3		9.0	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4a	11:42	Surface	1	28.7	7.9	21.0	5.0	5.1	10.0	31.0	7.8	9.8
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4a	11:42	Surface	2	28.8	7.9	20.9	5.1		10.5		8.0	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4a	11:42	Middle	1									
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4a	11:42	Middle	2					4.4				
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4a	11:42	Bottom	1	28.5	7.9	23.9	4.4		56.9		11.3	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4a	11:42	Bottom	2	28.6	7.9	23.8	4.4		46.5	14.2	12.0	9.0
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4(N)	11:51	Surface	1	28.7	7.8	18.2	5.7	5.7	10.5		8.0	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4(N)	11:51	Surface	2	28.8	7.9	18.1	5.7		10.5		7.2	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4(N)	11:51	Middle	1									
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4(N)	11:51	Middle	2					5.4				
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4(N)	11:51	Bottom	1	28.7	7.9	19.6	5.4		18.1		10.1	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	SR4(N)	11:51	Bottom	2	28.8	7.9	19.5	5.4		17.8		10.6	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS8	12:01	Surface	1	28.7	7.8	20.5	5.6	5.6	7.4	9.3	6.5	7.6
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS8	12:01	Surface	2	28.8	7.9	20.3	5.6		7.1		5.9	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS8	12:01	Middle	1									
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS8	12:01	Middle	2					5.0				
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS8	12:01	Bottom	1	28.6	7.8	21.4	5.0		11.5		8.7	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS8	12:01	Bottom	2	28.7	7.9	21.2	5.0		11.1		9.2	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)9	12:14	Surface	1	28.7	7.9	19.7	6.0	6.0	5.4	5.3	4.8	6.8
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)9	12:14	Surface	2	28.8	8.0	19.6	6.0		5.5		5.8	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)9	12:14	Middle	1									
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)9	12:14	Middle	2					6.0				
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)9	12:14	Bottom	1	28.7	7.9	19.7	6.0		5.1		8.4	
TMCLKL	HY/2012/07	2018-06-25	Mid-Ebb	IS(Mf)9	12:14	Bottom	2	28.8	8.0	19.6	6.0		5.2		8.0	

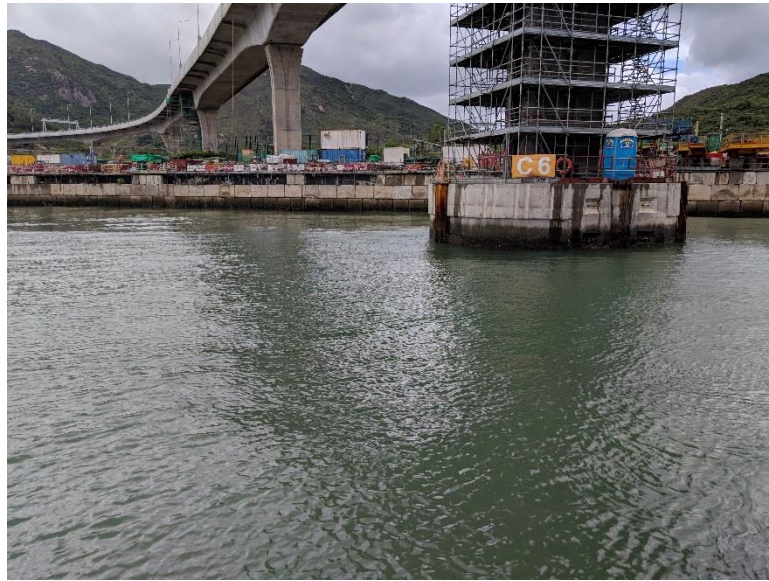
Project	Works	Date (yyyy-mm-dd)	Tide	Station	Start Time	Level	Replicate	Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average DO (mg/L)	Turbidity (NTU)	Depth-Averaged Turbidity	SS (mg/L)	Depth-Averaged SS
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)5	18:20	Surface	1	28.8	8.0	19.5	6.0	5.4	3.5	6.5	4.0	4.7
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)5	18:20	Surface	2	28.8	7.9	19.6	6.1		2.9		4.7	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)5	18:20	Middle	1	28.3	8.0	25.6	4.7		7.5		4.5	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)5	18:20	Middle	2	28.3	7.9	25.7	4.7	4.7	6.9		4.6	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)5	18:20	Bottom	1	28.2	8.0	26.7	4.7		9.1		5.3	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)5	18:20	Bottom	2	28.1	7.9	26.8	4.7		8.8		4.8	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)3(N)	17:27	Surface	1	29.3	8.0	12.1	6.4	6.1	4.1	5.2	3.8	3.9
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)3(N)	17:27	Surface	2	29.3	8.0	12.1	6.4		4.1		3.7	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)3(N)	17:27	Middle	1	29.1	8.0	15.2	5.7		5.5		3.9	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)3(N)	17:27	Middle	2	29.1	8.0	15.2	5.7	5.2	5.5		3.7	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)3(N)	17:27	Bottom	1	29.0	8.0	18.4	5.2		5.9		3.8	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	CS(Mf)3(N)	17:27	Bottom	2	29.0	8.0	18.4	5.2		5.9		4.2	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)16	17:47	Surface	1	28.9	8.0	19.4	6.4	6.4	4.7	7.1	9.7	7.0
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)16	17:47	Surface	2	28.8	7.9	19.5	6.3		4.4		10.0	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)16	17:47	Middle	1									
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)16	17:47	Middle	2					5.7				
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)16	17:47	Bottom	1	28.8	8.0	21.2	5.7		10.0		4.1	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)16	17:47	Bottom	2	28.7	7.9	21.3	5.7		9.4		4.0	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4a	17:36	Surface	1	29.0	8.0	19.6	6.3	6.3	9.3	11.9	7.6	8.5
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4a	17:36	Surface	2	28.9	7.9	19.8	6.3		8.2		7.3	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4a	17:36	Middle	1									
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4a	17:36	Middle	2					5.9				
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4a	17:36	Bottom	1	29.0	8.0	20.5	5.9		15.6		9.2	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4a	17:36	Bottom	2	28.9	7.9	20.5	5.9		14.4		9.7	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4(N)	17:29	Surface	1	29.0	8.0	20.5	6.1	6.1	15.2	14.9	11.9	12.5
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4(N)	17:29	Surface	2	28.9	7.9	20.7	6.1		14.8		12.6	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4(N)	17:29	Middle	1									
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4(N)	17:29	Middle	2					6.1				
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4(N)	17:29	Bottom	1	29.0	8.0	20.5	6.1		14.9		13.0	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	SR4(N)	17:29	Bottom	2	28.9	7.9	20.7	6.1		14.5		12.4	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS8	17:22	Surface	1	29.0	8.0	20.0	6.4	6.4	8.9	14.4	6.7	8.0
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS8	17:22	Surface	2	28.9	7.9	20.1	6.3		8.7		7.5	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS8	17:22	Middle	1									
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS8	17:22	Middle	2					5.9				
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS8	17:22	Bottom	1	29.0	8.0	20.7	5.9		20.7		8.7	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS8	17:22	Bottom	2	28.9	7.9	20.8	5.9		19.3		9.0	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)9	17:11	Surface	1					5.9		10.7		5.9
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)9	17:11	Surface	2									
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)9	17:11	Middle	1	28.9	7.9	20.8	5.9		11.0		5.8	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)9	17:11	Middle	2	28.8	7.9	20.9	5.9		10.3		6.0	
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)9	17:11	Bottom	1									
TMCLKL	HY/2012/07	2018-06-25	Mid-Flood	IS(Mf)9	17:11	Bottom	2									

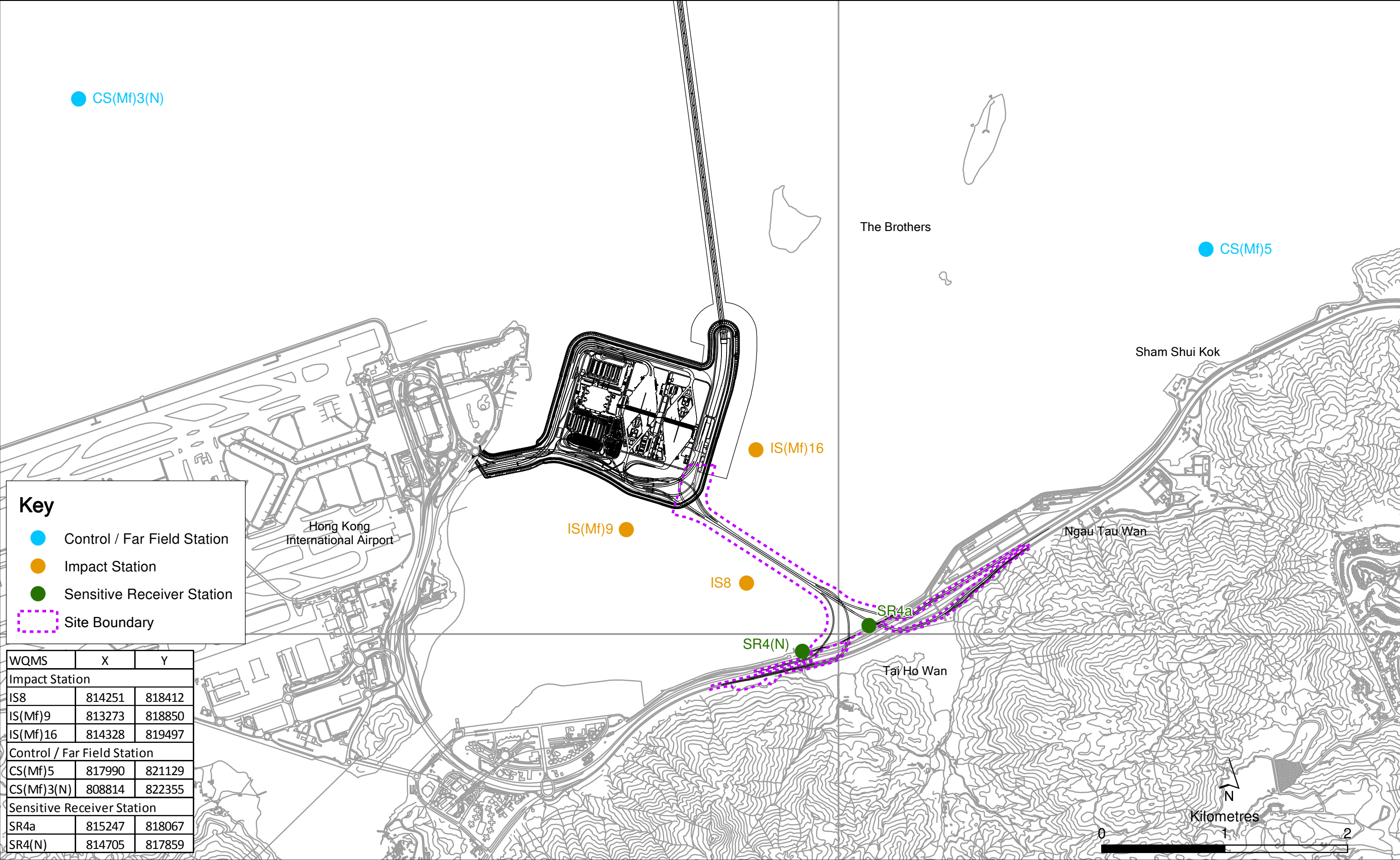
Note:

Indicates Exceedance of Action Level

Indicates Exceedance of Limit Level

Photo 1 - Mid-Ebb at SR4a on 25 June 2018





Locations of Water Quality Monitoring Stations

Email
message

Environmental
Resources
Management

To Ramboll Hong Kong Limited (ENPO)

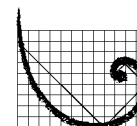
From ERM- Hong Kong, Limited

Ref/Project number Contract No. HY/2012/07
Tuen Mun – Chek Lap Kok Link – Southern
Connection Viaduct Section

Subject Notification of Exceedance for Marine Water
Quality Impact Monitoring

Date 3 July 2018

2507,
25/F One Harbourfront,
18 Tak Fung Street,
Hung Hom, Hong Kong
Telephone: (852) 2271 3113
Facsimile: (852) 2723 5660
E-mail: jovy.tam@erm.com



ERM

Dear Sir/ Madam,

Please find attached the Notification of Exceedance (NOE) of the following
Log no.:

Action Level Exceedance
0215660_29 June 2018_ Bottom-depth DO_E_Station SR4a

A total of one exceedance was recorded on 29 June 2018.

Regards,



Mr Jovy Tam
Environmental Team Leader

CONFIDENTIALITY NOTICE

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ERM-Hong Kong, Limited

CONTRACT NO. HY/2012/07

TUEN MUN – CHEK LAP KOK LINK –
SOUTHERN CONNECTION VIADUCT SECTION

Marine Water Quality Impact Monitoring

Notification of Exceedance

Log No.	<u>Action Level Exceedance</u> 0215660_29 June 2018_ Bottom-depth DO_F_Station SR4a [Total No. of Exceedances = 1]	
Date	29 June 2018 (Measured) 30 June 2018 (<i>In situ</i> results received by ERM) 09 July 2018 (Laboratory results received by ERM)	
Monitoring Station	CS(Mf)5, SR4a, SR4, IS8, IS(Mf)16, IS(Mf)9, CS(Mf)3(N)	
Parameter(s) with Exceedance(s)	Bottom-depth Dissolved Oxygen (DO)	
Action Levels for DO	Bottom-depth DO	4.7 mg/L
Limit Levels for DO	Bottom-depth DO	3.6 mg/L
Measured Levels	<u>Action Level Exceedance</u> 1. Mid-flood at SR4a (Bottom-depth DO = 4.4mg/L).	
Works Undertaken (at the time of monitoring event)	No major marine works was undertaken under this Contract on 29 June 2018.	
Possible Reason for Action or Limit Level Exceedance(s)	The exceedance of bottom-depth DO is unlikely to be due to the Project, in view of the following: • No marine works was undertaken under this Contract on 29 June 2018. • Apart from DO exceedance at SR4a, levels of DO at all monitoring stations were in compliance with the Action and Limit Levels during both mid-ebb and mid-flood tides on the same day. • The DO pattern at SR4a was similar to the control station where the bottom-depth DO levels were generally lower. DO levels were generally lower at water quality monitoring stations due to reduce in natural ability for water to hold dissolved oxygen under higher water temperature in summer months. In addition, lower bottom-depth DO levels may possibly caused by the stratification of seawater during summer when the freshwater discharged from the Pearl River tended to form a surface layer of lower salinity water, which is probably responsible for the lower Salinity recorded at the surface and middle levels compared to the higher Salinity recorded at the bottom level of the monitoring stations. The stratification of seawater in the water column is likely a contributing factor to the results of lower levels of DO at the bottom level.	
Actions Taken/ To Be Taken	No immediate action is considered necessary. The ET will monitor for future trends in exceedances.	
Remarks	The monitoring results on 29 June 2018 and locations of water quality monitoring stations are attached. Site photo record on 29 June 2018 is attached.	

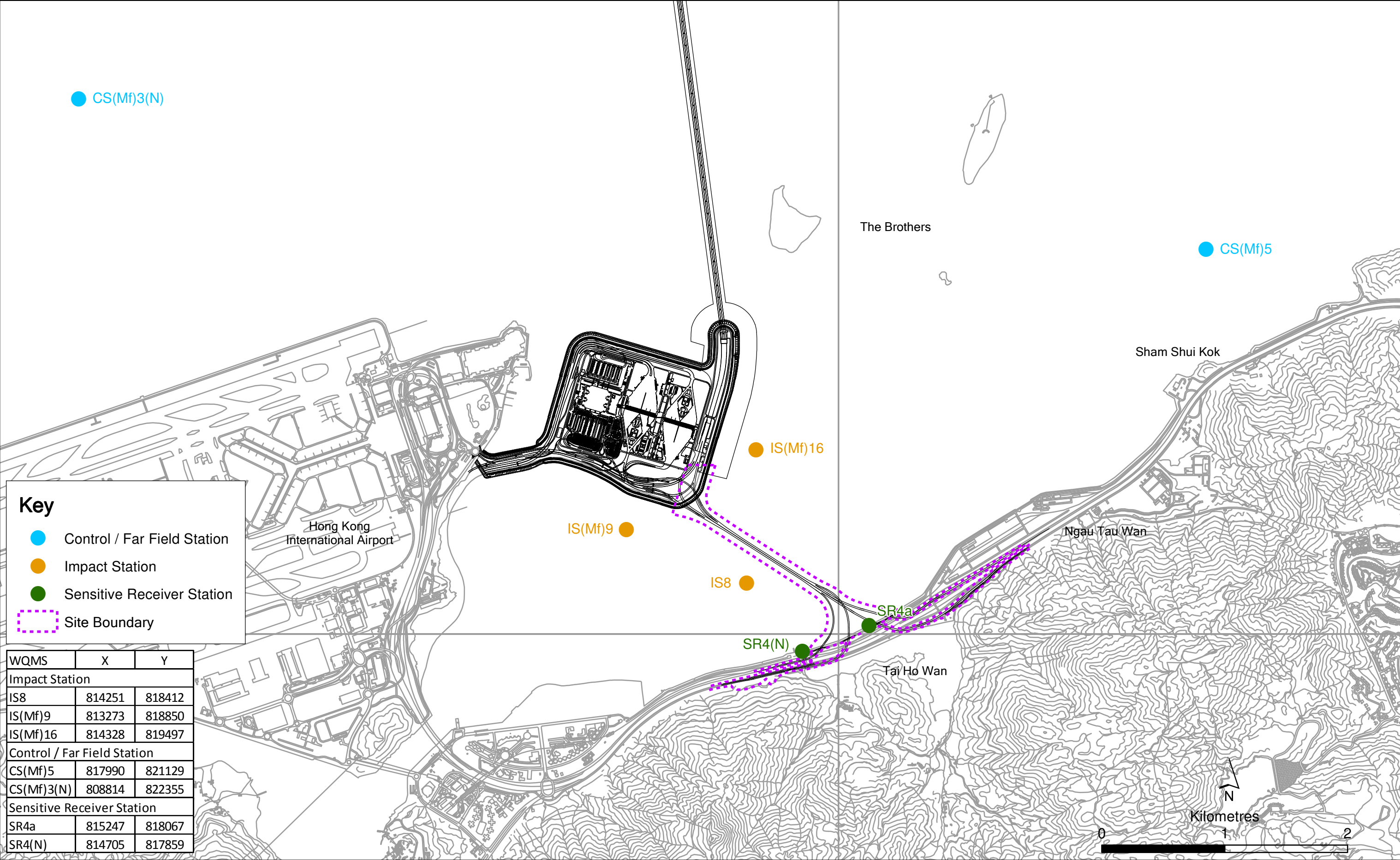
Project	Works	Date (yyyy-mm-dd)	Tide	Station	Start Time	Level	Replicate	Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average DO (mg/L)	Turbidity (NTU)	Depth-Averaged Turbidity	SS (mg/L)	Depth-Averaged SS
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)5	13:11	Surface	1	29.4	7.9	17.6	5.9	5.4	10.4	10.8	10.6	12.2
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)5	13:11	Surface	2	29.6	7.9	17.4	5.9		10.2		11.3	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)5	13:11	Middle	1	28.6	7.9	21.2	4.9		12.0		12.0	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)5	13:11	Middle	2	28.7	7.9	21.1	4.9	4.1	11.4		11.4	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)5	13:11	Bottom	1	27.0	7.9	27.3	4.1		10.7		13.3	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)5	13:11	Bottom	2	27.1	7.9	27.0	4.0		10.2		14.8	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)3(N)	14:18	Surface	1	30.2	8.0	14.0	6.7	6.0	8.1	13.5	4.7	4.8
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)3(N)	14:18	Surface	2	30.2	8.1	14.1	6.6		8.0		5.2	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)3(N)	14:18	Middle	1	29.2	8.0	17.8	5.3		11.8		5.2	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)3(N)	14:18	Middle	2	29.2	8.0	17.9	5.3	5.1	11.4		5.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)3(N)	14:18	Bottom	1	28.6	8.0	21.7	5.1		20.5		4.0	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	CS(Mf)3(N)	14:18	Bottom	2	28.6	8.0	21.8	5.1		21.3		4.6	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)16	13:50	Surface	1	29.4	8.0	19.3	6.3	6.3	9.4	7.1	11.3	10.5
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)16	13:50	Surface	2	29.5	8.0	19.1	6.3		9.4		10.6	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)16	13:50	Middle	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)16	13:50	Middle	2					5.3				
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)16	13:50	Bottom	1	28.6	7.9	21.4	5.3		4.9		10.0	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)16	13:50	Bottom	2	28.7	7.9	21.4	5.2		4.6		10.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4a	13:58	Surface	1	29.9	8.0	17.6	6.6	6.6	9.9	16.3	11.7	11.9
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4a	13:58	Surface	2	30.0	8.0	17.4	6.6		9.9		11.3	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4a	13:58	Middle	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4a	13:58	Middle	2					4.8				
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4a	13:58	Bottom	1	28.8	7.9	21.0	4.8		25.0		12.0	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4a	13:58	Bottom	2	28.9	7.9	20.8	4.7		20.4		12.7	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4(N)	14:07	Surface	1	30.7	8.2	16.4	9.7	9.7	13.5	15.2	10.4	10.1
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4(N)	14:07	Surface	2	30.8	8.2	16.3	9.6		13.1		9.9	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4(N)	14:07	Middle	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4(N)	14:07	Middle	2					9.1				
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4(N)	14:07	Bottom	1	30.5	8.2	16.5	9.2		17.3		10.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	SR4(N)	14:07	Bottom	2	30.6	8.2	16.4	9.0		17.0		9.8	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS8	14:16	Surface	1	30.2	8.1	17.7	8.1	8.1	9.0	12.8	11.8	13.3
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS8	14:16	Surface	2	30.3	8.1	17.6	8.1		9.0		12.3	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS8	14:16	Middle	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS8	14:16	Middle	2					7.0				
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS8	14:16	Bottom	1	29.6	8.1	18.1	6.9		16.6		14.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS8	14:16	Bottom	2	29.7	8.1	18.0	7.0		16.6		15.0	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)9	14:30	Surface	1	30.2	8.2	17.2	9.2	9.2	5.4	6.1	5.6	5.4
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)9	14:30	Surface	2	30.3	8.2	17.0	9.1		5.4		5.4	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)9	14:30	Middle	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)9	14:30	Middle	2					8.9				
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)9	14:30	Bottom	1	29.9	8.2	17.5	8.9		6.8		5.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Ebb	IS(Mf)9	14:30	Bottom	2	29.9	8.2	17.4	8.8		6.8		5.6	

Project	Works	Date (yyyy-mm-dd)	Tide	Station	Start Time	Level	Replicate	Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average DO (mg/L)	Turbidity (NTU)	Depth-Averaged Turbidity	SS (mg/L)	Depth-Averaged SS
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)5	21:13	Surface	1	29.6	7.9	16.5	5.8	5.1	3.7	10.8	5.8	8.4
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)5	21:13	Surface	2	29.7	8.0	16.3	5.8		4.2		7.4	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)5	21:13	Middle	1	27.8	7.9	22.9	4.4		6.4		8.3	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)5	21:13	Middle	2	27.9	7.9	22.7	4.3		7.3		8.5	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)5	21:13	Bottom	1	27.1	7.9	27.0	4.0	4.0	20.9		10.6	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)5	21:13	Bottom	2	27.2	7.9	26.7	3.9		22.0		9.5	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)3(N)	20:09	Surface	1	30.4	8.0	9.9	6.9	6.8	11.9	13.5	8.9	9.6
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)3(N)	20:09	Surface	2	30.4	8.0	9.7	7.0		11.6		9.2	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)3(N)	20:09	Middle	1	30.5	8.0	11.6	6.6		13.8		10.8	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)3(N)	20:09	Middle	2	30.5	7.9	11.4	6.6		12.7		10.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)3(N)	20:09	Bottom	1	29.8	8.0	14.1	5.9	5.9	15.3		9.5	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	CS(Mf)3(N)	20:09	Bottom	2	29.8	7.9	13.9	5.9		15.8		8.9	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)16	20:43	Surface	1	29.6	8.1	17.8	6.8	6.8	11.2	14.4	10.3	13.2
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)16	20:43	Surface	2	29.7	8.1	17.7	6.8		11.8		10.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)16	20:43	Middle	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)16	20:43	Middle	2									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)16	20:43	Bottom	1	29.2	8.0	19.1	5.9	5.9	16.4		15.9	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)16	20:43	Bottom	2	29.3	8.0	18.9	5.9		18.1		16.4	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4a	20:33	Surface	1	29.8	8.0	16.4	6.8	6.9	8.2	11.7	10.1	14.4
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4a	20:33	Surface	2	29.9	8.1	16.3	6.9		9.1		10.5	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4a	20:33	Middle	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4a	20:33	Middle	2									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4a	20:33	Bottom	1	28.8	7.9	21.1	4.4	4.4	15.3		18.4	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4a	20:33	Bottom	2	28.9	7.9	20.9	4.4		14.1		18.4	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4(N)	20:26	Surface	1	29.9	8.2	17.3	8.3	8.3	15.6	16.4	13.8	14.3
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4(N)	20:26	Surface	2	30.0	8.2	17.1	8.2		17.1		14.8	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4(N)	20:26	Middle	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4(N)	20:26	Middle	2									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4(N)	20:26	Bottom	1	29.9	8.2	17.3	8.3	8.3	15.8		14.3	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	SR4(N)	20:26	Bottom	2	30.1	8.2	17.1	8.2		17.1		14.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS8	20:19	Surface	1	29.6	8.1	17.1	6.8	6.8	12.2	14.0	10.2	12.4
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS8	20:19	Surface	2	29.7	8.1	16.9	6.8		13.1		10.7	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS8	20:19	Middle	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS8	20:19	Middle	2									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS8	20:19	Bottom	1	29.7	8.0	17.7	7.1	7.1	15.3		14.4	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS8	20:19	Bottom	2	29.8	8.0	17.4	7.1		15.2		14.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)9	20:08	Surface	1					9.8		9.4		14.6
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)9	20:08	Surface	2									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)9	20:08	Middle	1	30.1	8.3	17.8	9.8		9.0		15.0	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)9	20:08	Middle	2	30.3	8.3	17.6	9.8		9.8		14.1	
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)9	20:08	Bottom	1									
TMCLKL	HY/2012/07	2018-06-29	Mid-Flood	IS(Mf)9	20:08	Bottom	2									

Note: Indicates Exceedance of Action Level
Indicates Exceedance of Limit Level

Photo 1 - Mid-Flood at SR4a on 29 June 2018





Locations of Water Quality Monitoring Stations

ENVIRONMENTAL COMPLAINT/ ENQUIRY FORM

Complaint/ ~~Enquiry~~ Received*

Date: 22 June 2018

Time: Undisclosed

From: 1823

Via: Email

Complainant/ ~~Enquirer~~*:

Name: Undisclosed

Tel: Undisclosed

Address: Undisclosed

Media: ~~Dust~~ / ~~Noise~~ / Water Quality / ~~Other~~

Description: A complaint case was received regarding discharge of muddy water from Hong Kong Boundary Crossing Facilities (HKBCF) of Hong Kong-Zhuhai-Macao Bridge (HZMB) Projects on 13 June 2018. The complainant added the discharge of muddy water was observed nearby HKBCF facing the Century Link. The Environmental Team (ET) received the complaint notification from the Supervising Officer's Representative (SOR) on 22 June 2018.

Investigation Report & Response

Based on the work records provided by the Contractor, no marine works i.e. excavation works was undertaken under this Contract on 13 June 2018. Major works on the same day included land-based works i.e. segment erection within the Site boundary of HKBCF (*Figure 1*).

According to ET's weekly site inspection records on 13th June 2018, no discharge of surface run-off and muddy water observed in the sea adjacent to the works area. Open stockpiles of aggregates and soil in HKBCF were observed being covered with tarpaulin and sand bags were observed being provided to prevent the washout of sand and other construction materials to the nearby water body (*Annex A*).

Water Quality Monitoring results on 13 June 2018 were reviewed (*refer below*). No exceedance on water quality parameters was observed. The recorded levels of depth-averaged turbidity and suspended solids at all water quality stations during the concerned period were well below the Action Level of the corresponding water quality parameters (Action Level of turbidity and suspended solid are 27.5 NTU and 23.5 mg/L respectively). In addition, no particular observation was noticed nearby the water quality monitoring stations on 13 June 2018.

Based on the above, there is no evidence to prove that the complaint case is related to this Contract.

Mitigation Measures and Follow-Up Actions Recommended to Contractor

Based on the findings of the investigation, there is no evidence to prove that the complaint case is related to this Contract and thus no further action is required. The Contractor has been reminded that wastewater generated from construction works should be collected, treated, neutralized, and desilted before discharge. In addition, the Contractor has been reminded to cover stockpiles with tarpaulin and place sand bags to avoid washout of construction materials where necessary in order to ensure the compliance with all the conditions under the Effluent Discharge License.

Date of File Closed : 09 July 2018

Approved and Filed by:



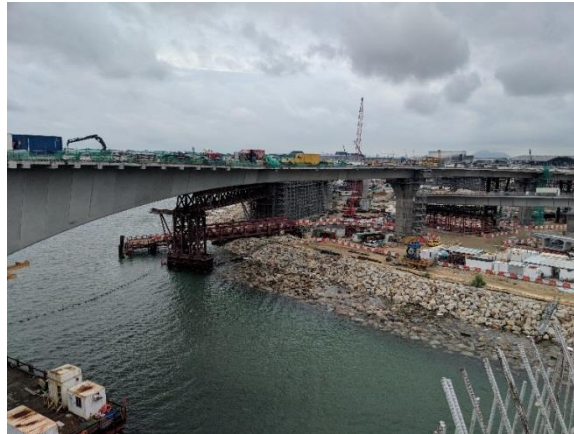
(Jovy Tam, ET Leader)

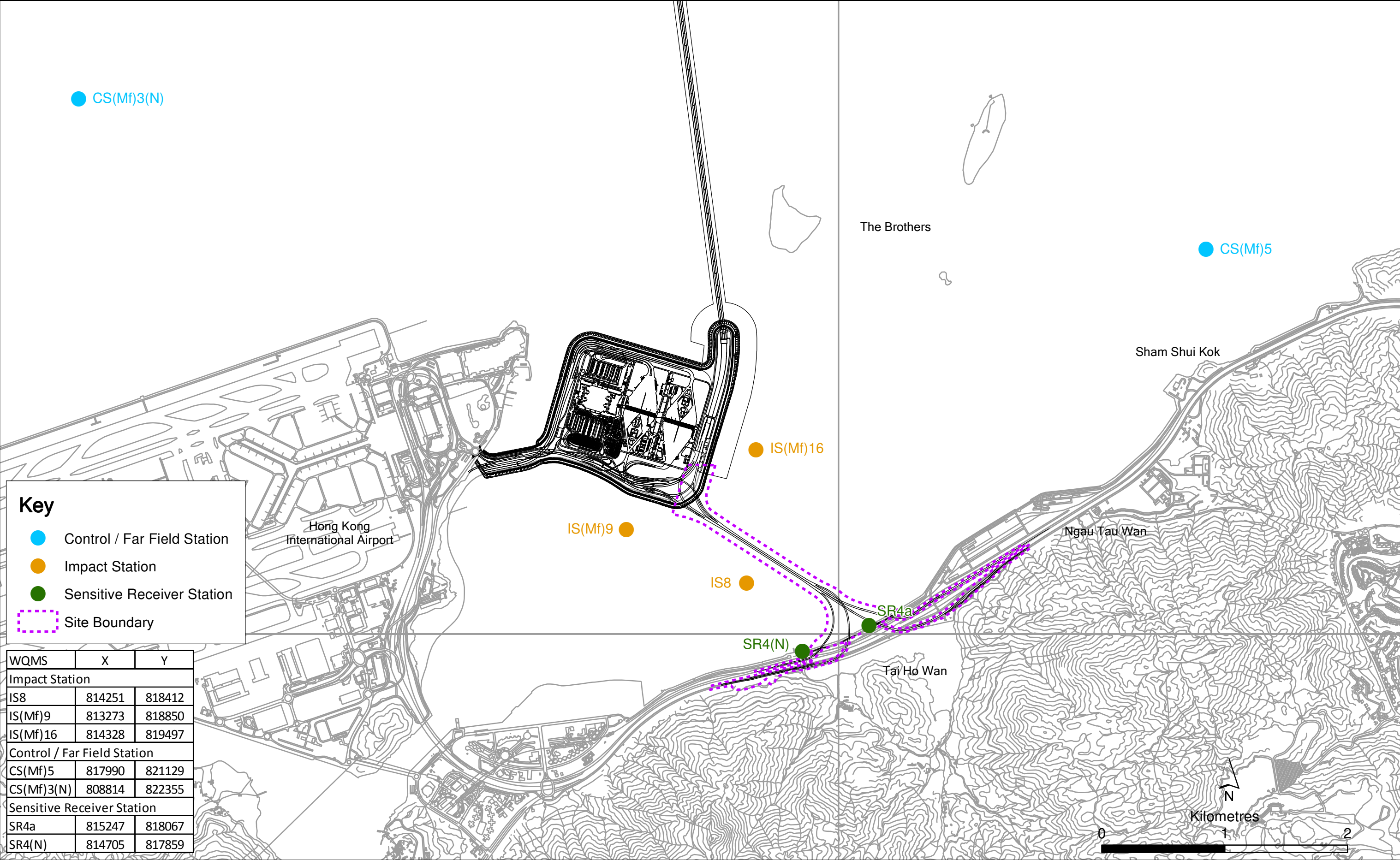
Date: 09 July 2018

Annex A

Photos of ET weekly site
inspection on 13 June
2018

Photo 1- No discharge of surface run-off and muddy water observed in the sea adjacent to the works area on 13 June 2018





Locations of Water Quality Monitoring Stations

Project	Works	Date (yyyy-mm-dd)	Tide	Station	Start Time	Level	Replicate	Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average DO (mg/L)	Turbidity (NTU)	Depth-Averaged Turbidity	SS (mg/L)	Depth-Averaged SS
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)5	11:56	Surface	1	28.2	7.8	21.1	5.4	5.3	5.0	6.6	3.8	5.1
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)5	11:56	Surface	2	28.3	7.9	21.3	5.4		4.7		5.1	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)5	11:56	Middle	1	28.2	7.8	21.7	5.2		5.3		6.3	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)5	11:56	Middle	2	28.2	7.9	21.9	5.2	4.9	5.3		4.1	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)5	11:56	Bottom	1	28.2	7.8	24.4	4.9		9.5		5.2	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)5	11:56	Bottom	2	28.2	7.9	24.8	4.9		9.5		5.8	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)3(N)	13:21	Surface	1	28.5	7.9	17.1	5.7	5.6	2.0	5.8	2.6	3.0
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)3(N)	13:21	Surface	2	28.7	8.1	17.1	5.8		2.2		3.3	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)3(N)	13:21	Middle	1	28.4	7.9	18.0	5.4		5.7		3.0	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)3(N)	13:21	Middle	2	28.6	8.0	18.0	5.5	4.9	5.4		2.9	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)3(N)	13:21	Bottom	1	28.3	7.9	20.5	4.9		9.9		3.0	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	CS(Mf)3(N)	13:21	Bottom	2	28.6	8.0	20.6	4.9		9.6		3.4	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)16	12:37	Surface	1	28.4	7.8	21.4	5.4	5.4	4.0	3.2	1.2	1.8
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)16	12:37	Surface	2	28.4	7.9	21.7	5.4		4.4		1.9	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)16	12:37	Middle	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)16	12:37	Middle	2					5.0				
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)16	12:37	Bottom	1	28.2	7.8	23.8	5.0		2.2		1.8	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)16	12:37	Bottom	2	28.2	7.9	24.2	5.0		2.2		2.1	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4a	12:46	Surface	1	28.3	7.8	20.7	5.1	5.2	7.7	10.4	3.5	3.2
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4a	12:46	Surface	2	28.3	7.9	21.0	5.2		8.2		3.9	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4a	12:46	Middle	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4a	12:46	Middle	2					5.1				
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4a	12:46	Bottom	1	28.3	7.8	23.5	5.1		12.9		3.0	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4a	12:46	Bottom	2	28.3	7.8	23.8	5.1		12.7		2.4	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4(N)	12:53	Surface	1	28.2	7.7	19.4	5.5	5.5	6.8	6.8	2.4	2.9
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4(N)	12:53	Surface	2	28.2	7.8	19.7	5.4		6.5		2.8	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4(N)	12:53	Middle	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4(N)	12:53	Middle	2					5.1				
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4(N)	12:53	Bottom	1	28.4	7.7	19.8	5.1		7.2		2.8	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	SR4(N)	12:53	Bottom	2	28.4	7.8	20.0	5.1		6.7		3.6	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS8	13:00	Surface	1	28.4	7.8	20.8	5.7	5.7	2.2	3.7	2.3	2.4
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS8	13:00	Surface	2	28.4	7.9	21.0	5.7		2.5		2.2	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS8	13:00	Middle	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS8	13:00	Middle	2					5.1				
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS8	13:00	Bottom	1	28.4	7.8	21.4	5.1		4.9		2.7	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS8	13:00	Bottom	2	28.4	7.8	21.7	5.1		5.2		2.4	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)9	13:08	Surface	1					6.6		6.6		1.6
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)9	13:08	Surface	2									
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)9	13:08	Middle	1	28.3	7.8	20.2	6.6		6.6		1.8	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)9	13:08	Middle	2	28.3	7.8	20.6	6.6		6.5		1.3	
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)9	13:08	Bottom	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Ebb	IS(Mf)9	13:08	Bottom	2									

Project	Works	Date (yyyy-mm-dd)	Tide	Station	Start Time	Level	Replicate	Temperature (°C)	pH	Salinity (ppt)	DO (mg/L)	Average DO (mg/L)	Turbidity (NTU)	Depth-Averaged Turbidity	SS (mg/L)	Depth-Averaged SS
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)5	19:36	Surface	1	28.2	7.8	20.5	5.2	5.1	4.2	10.5	3.6	4.1
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)5	19:36	Surface	2	28.2	7.9	20.7	5.2		4.7		4.7	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)5	19:36	Middle	1	28.2	7.8	25.4	4.9		11.3		3.9	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)5	19:36	Middle	2	28.2	7.9	25.7	4.9	4.9	11.6		4.2	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)5	19:36	Bottom	1	28.2	7.8	25.6	4.9		15.7		4.4	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)5	19:36	Bottom	2	28.2	7.9	25.8	4.9		15.2		3.7	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)3(N)	18:38	Surface	1	28.4	7.9	13.1	4.7	4.7	4.6	4.7	7.7	7.3
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)3(N)	18:38	Surface	2	28.6	7.7	13.1	4.7		4.4		6.7	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)3(N)	18:38	Middle	1	28.4	7.9	13.4	4.6		4.7		6.9	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)3(N)	18:38	Middle	2	28.6	7.8	13.4	4.7	4.7	4.9		6.6	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)3(N)	18:38	Bottom	1	28.4	7.9	13.7	4.7		4.6		7.6	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	CS(Mf)3(N)	18:38	Bottom	2	28.6	7.8	13.8	4.7		4.8	5.2	8.0	5.4
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)16	19:04	Surface	1	28.3	7.7	19.1	5.6	5.6	5.0		5.2	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)16	19:04	Surface	2	28.3	7.8	19.3	5.6				5.5	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)16	19:04	Middle	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)16	19:04	Middle	2					5.6	5.3		4.8	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)16	19:04	Bottom	1	28.3	7.7	19.2	5.6		5.7		5.9	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)16	19:04	Bottom	2	28.3	7.8	19.4	5.6		5.7	7.1	7.3	6.6
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4a	18:53	Surface	1	28.2	7.7	18.4	5.8	5.8	6.0		6.4	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4a	18:53	Surface	2	28.2	7.8	18.6	5.8					
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4a	18:53	Middle	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4a	18:53	Middle	2					5.9	8.1		5.9	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4a	18:53	Bottom	1	28.2	7.7	18.6	5.9		8.4		6.7	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4a	18:53	Bottom	2	28.2	7.8	18.8	5.9		11.2	11.0	13.2	13.4
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4(N)	18:47	Surface	1	28.2	7.8	18.9	5.8	5.8	11.3		13.4	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4(N)	18:47	Surface	2	28.2	7.8	19.1	5.7					
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4(N)	18:47	Middle	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4(N)	18:47	Middle	2					5.8	10.4		13.8	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4(N)	18:47	Bottom	1	28.2	7.8	18.9	5.8		10.9		13.0	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	SR4(N)	18:47	Bottom	2	28.2	7.8	19.1	5.7			9.6		9.9
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS8	18:41	Surface	1	28.3	7.8	19.0	5.6	5.6	8.2		9.6	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS8	18:41	Surface	2	28.3	7.8	19.2	5.6		8.6		9.0	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS8	18:41	Middle	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS8	18:41	Middle	2					5.6				
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS8	18:41	Bottom	1	28.3	7.8	20.2	5.6		10.8		10.8	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS8	18:41	Bottom	2	28.3	7.8	20.4	5.6		10.8		10.3	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)9	18:33	Surface	1					5.9		7.6		6.8
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)9	18:33	Surface	2									
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)9	18:33	Surface	2									
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)9	18:33	Middle	1	28.2	7.8	20.0	5.9		7.6		7.4	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)9	18:33	Middle	2	28.2	7.9	20.2	5.9		7.5		6.2	
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)9	18:33	Bottom	1									
TMCLKL	HY/2012/07	2018-06-13	Mid-Flood	IS(Mf)9	18:33	Bottom	2									

Note:

Indicates Exceedance of Action Level

Indicates Exceedance of Limit Level