Table K1 *Cumulative Statistics on Exceedances*

Parameters	Level of Exceedance	Total No. recorded in this reporting month	Total No. recorded since project commencement
1-hr TSP	Action	0	30
	Limit	0	2
24-hr TSP	Action	0	5
	Limit	0	1
Water Quality	Action	0	6
	Limit	0	1
Impact Dolphin Monitoring	Action	0	9
	Limit	0	6

Table K2 *Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions*

Reporting Period	Cumulative Statistics		
	Complaints	Notifications of Summons	Successful Prosecutions
This Reporting Month (September 2016)	1	0	0
Total No. received since project commencement	8	0	0

Contract No. HY/2012/08
Tuen Mun – Chek Lap Kok Link –
Northern Connection Sub-sea Tunnel Section

ENVIRONMENTAL COMPLAINT INVESTIGATION REPORT

Our Reference: 0212330_Complaint LOG_20160922_07

Basic Information of Complaints

Reference Number:	**EP3/N09/RS/00024028-16**
Date of Complaints Received	22 September 2016
Location of Complaints	Sea near cell 54-55 of the artificial island of HKBCF
Nature of Complaints	Whitish effluent discharge incident
Complaints Received by	EPD
Via	Not disclosed
Complainants	Not disclosed

Details of Complaints

On 22 September 2016, a complaint case was received by EPD regarding whitish effluent discharge from a flattop pontoon at the sea near cell 54-55 of the artificial island of HKBCF. The Contractor and the Environmental Team (ET) received the complaint notification from ENPO on 22 September 2016. The ET was informed that the case is categorized as complaint in nature upon the investigation, discussion and agreement between different parties (i.e. the Contractor (DBJV), SOR and ENPO).

Investigation Report

Upon receiving the case notification from ENPO on 22 September 2016, ET has carried out the investigation with the Contractor on the incident occurred. Details of the investigation result are as follows. Photos are attached in *Annex A*.

According to information provided by DBJV (Contract No.: HY/2012/08), two pontoons were contracted to transport some of the preliminarily treated and recycled water (removal of coarse solids and other large materials) from Northern Landfall to Southern Landfall for constructional use. At daytime due to spoil loading and unloading work at Cell 67, where the pontoons will be docked for water filling, the pontoons were unable to dock at Cell 67. Water filling should proceed at night time after the work is completed. As seawall construction is on-going at Cell 60-65 by other main contractor, the pontoons have to wait at Cell 54-55 to stay as far as possible to avoid work obstruction and marine traffic intrusion.

Upon communication amongst DBJV, pontoon operators and the ET, it was found that pontoon operators have always discharged its ballast water into the sea without the Contractor's permission while docking temporarily at Cell 54-55 or travelling to and from the site. As claimed by the pontoon operator, this is a practice that they usually adopt. The ballast water which was seawater would be pumped in and out of the compartments of the pontoon more frequently during the monsoon season (which normally started at the end of August) to balance and stabilize the pontoon. The pontoon operator reported that sometimes the ballast tanks of the pontoon were filled with seawater to the limit of the pontoon during travelling due to the prevailing bad weather and they had to discharge the ballast water inside because of safety reasons. The whitish colour may be caused by the gushing flow of discharged ballast water.

Regarding the complaint case, the pontoon operators have treated the above discharge method as a normal operation. Therefore in September 2016, ballast water was reported to be pumped out of pontoons and discharged to the sea at Cell 54-55.

Following the incident, pontoon operators were reminded that improper discharge including the discharge of ballast water is not allowed. The volume of preliminary treated water carried by the pontoons should be controlled to prevent the need to discharge ballast water. Eventually, starting from 29 September 2016, the Contractor had discontinued the practice of transportation of preliminarily treated and recycled water from the Northern Landfall to Southern Landfall in order to prevent reoccurrence of similar incident. No other additional action is required.

According to ET's weekly site inspection record, Portions S-B and S-C of Southern Landfall were visited on 21 September 2016. The construction activities were conducted within Project Site boundary. No construction work was carried out near the incident area. Improper discharge was not observed during the site audit. The corresponding mitigation measures were also properly implemented.

According to the water quality monitoring results of Contract HY/2012/07 and Contract HY/2012/02 published on the HZMB ENPO website, no exceedance of Action / Limit Level was recorded during the complaint period in September 2016 near the incident area (IS(Mf)16 & IS17). This implies that no unacceptable adverse impact on water quality was resulting from the incident during the period of complaint.

Mitigation Measures and Follow-Up Actions Recommended to/ Undertaken by Contractor

The Contractor has been reminded to adhere strictly to implement all relevant mitigation measures of water quality impact recommended or specified in the EP (EP-354/2009/D), the approved EIA and the Updated EM&A Manual of this Project to avoid causing water pollution.

In the above case, clear instructions should be given to the sub-contractors to prevent improper discharge into the sea. Toolbox training about illegal discharge should be provided to site workers and sub-contractors. Filling of ballast water to the limit of pontoon should be avoided. Site foreman or site superintendent should carry out supervision and surveillance during the process of filling of ballast tank.

The Contractor has also been reminded to carry out weekly inspection and maintenance to ensure that no leakage or accidental discharge would occur. Contingency plan should be implemented to mitigate the environmental impacts. The Contractor should stop the works immediately if similar incident occur.

Starting from 29 September 2016, the Contractor had discontinued the practice of transportation of preliminarily treated and recycled water from the Northern Landfall to Southern Landfall in order to prevent reoccurrence of similar incident. No other additional action is required.

Date of File Closed : 13 October 2016

Approved and Filed by:

(Jovy Tam, ET Leader)
Date: 13 October 2016

Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS17	13:21	Surface	28.45	8.26	25.9	5.6	7.5	7
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS17	13:21	Surface	28.35	8.25	26	5.3	7.2	8.7
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS17	13:21	Middle	27.85	8.24	27.6	5.1	7.4	7.7
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS17	13:21	Middle	27.85	8.24	27.5	5.3	7.3	6.6
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS17	13:21	Bottom	27.86	8.24	27.9	5.2	7.5	8.6
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS17	13:21	Bottom	28.12	8.24	27.5	5	7.2	7.6
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS17	7:02	Surface	28.02	8.29	25.4	5.7	8.6	6.3
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS17	7:02	Surface	27.99	8.27	25.6	5.7	8.6	7.2
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS17	7:02	Middle	27.77	8.25	27.6	5.6	8.6	7.6
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS17	7:02	Middle	27.82	8.27	27.1	5.7	8.6	5.5
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS17	7:02	Bottom	27.8	8.25	28.1	5.6	8.7	9.9
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS17	7:02	Bottom	27.69	8.27	28.1	5.6	8.6	8.2
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS17	14:47	Surface	28	8.11	24.4	5.6	8.7	3.3
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS17	14:47	Surface	28	8.12	24.4	5.6	8.5	3.7
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS17	14:47	Middle	27.91	8.08	26.7	5.5	8.7	6.1
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS17	14:47	Middle	28	8.07	26.8	5.5	8.6	6.4
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS17	14:47	Bottom	27.87	8.07	28.3	5.4	8.6	6.9
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS17	14:47	Bottom	27.75	8.03	28.4	5.3	8.6	5.6
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS17	9:02	Surface	28.2	8.29	25.8	5.8	8.5	7
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS17	9:02	Surface	28.2	8.27	25.6	5.5	8.3	6.8
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS17	9:02	Middle	28.11	8.26	26.8	5.4	9.2	7.5
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS17	9:02	Middle	28.1	8.28	26.9	5.5	9.5	7.8
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS17	9:02	Bottom	28.07	8.25	28.3	5.4	9.5	7.7
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS17	9:02	Bottom	27.94	8.27	28.3	5.5	9.5	7.3
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS17	15:55	Surface	28.4	8.2	20.8	5.6	5.4	4.5
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS17	15:55	Surface	28.27	8.19	22.5	6	5.6	5.5
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS17	15:55	Middle	27.7	8.13	27.5	5.4	5.6	5.2
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS17	15:55	Middle	27.64	8.15	27.7	5.6	5.5	6.9
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS17	15:55	Bottom	27.83	8.11	27.8	5.1	5.6	6.7
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS17	15:55	Bottom	27.58	8.14	28.1	5.2	5.5	5.6
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS17	10:24	Surface	28.02	8.17	25	5.6	8.9	6.5
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS17	10:24	Surface	28.01	8.17	25.1	5.3	8.9	6.7
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS17	10:24	Middle	27.78	8.14	27.4	5.3	8.8	6.9

Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS17	10:24	Middle	27.77	8.15	27.3	5.4	8.9	7.9
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS17	10:24	Bottom	27.71	8.14	27.7	5.3	8.8	9
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS17	10:24	Bottom	27.92	8.14	27.6	5.2	8.9	9.1
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS17	17:45	Surface	28.36	8.15	18.5	5.3	4.3	2.3
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS17	17:45	Surface	28.45	8.16	17.9	5.5	4.2	2.8
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS17	17:45	Middle	27.71	8.06	25.3	5.3	4.6	2.3
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS17	17:45	Middle	27.62	8.02	25.9	5.2	4.6	3
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS17	17:45	Bottom	27.44	7.99	29.2	5.1	4.6	2.5
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS17	17:45	Bottom	27.89	8.02	28.7	5.1	4.7	3.2
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS17	9:39	Surface	28.55	8.24	19.8	5.5	7.5	2.2
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS17	9:39	Surface	28.55	8.24	20	5.5	7.2	3.3
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS17	9:39	Middle	27.83	8.12	28	5.4	7.5	3
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS17	9:39	Middle	27.81	8.11	28.6	5.3	7.4	2.2
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS17	9:39	Bottom	27.75	8.1	29.5	4.7	7.8	2.9
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS17	9:39	Bottom	28.01	8.11	29.4	4.8	7.8	2.6
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS17	16:47	Surface	29.06	8.4	19.8	6.1	4.5	2.8
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS17	16:47	Surface	29.14	8.39	20.1	5.7	4.5	2.9
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS17	16:47	Middle	27.9	8.31	25.7	5.3	4.5	4.4
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS17	16:47	Middle	27.86	8.28	27	5	4.6	3.4
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS17	16:47	Bottom	27.33	8.25	29.6	4.8	4.8	3.2
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS17	16:47	Bottom	27.41	8.27	29.4	5	4.8	3.6
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS17	11:17	Surface	28.92	8.38	21.5	5.8	6.4	3.2
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS17	11:17	Surface	28.92	8.39	20.2	5.9	6.6	4.3
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS17	11:17	Middle	28.15	8.29	25.5	5.3	6.6	4.3
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS17	11:17	Middle	27.85	8.27	26.5	5.8	6.5	3.2
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS17	11:17	Bottom	27.81	8.25	29.4	4.9	6.8	3.9
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS17	11:17	Bottom	28.2	8.31	26.9	5	6.5	3.6
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS17	17:53	Surface	28.91	8.5	21.9	6.2	8.4	3.8
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS17	17:53	Surface	28.96	8.49	21.9	5.9	8.6	3.9
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS17	17:53	Middle	28.12	8.41	25.7	5.7	8.5	4.4
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS17	17:53	Middle	28.07	8.44	25.1	5.9	8.5	4.4
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS17	17:53	Bottom	27.99	8.41	27.7	5.1	8.6	4.2

Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS17	17:53	Bottom	27.71	8.41	27.9	5.4	8.5	4.6
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS17	12:36	Surface	28.7	8.37	25.4	6.1	9.3	6
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS17	12:36	Surface	28.78	8.37	25.3	6.2	9.5	6.6
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS17	12:36	Middle	28.26	8.36	26	5.9	11.4	5
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS17	12:36	Middle	28	8.36	26.4	5.9	11.3	4.4
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS17	12:36	Bottom	27.49	8.33	29.3	5.9	11.5	5
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS17	12:36	Bottom	27.29	8.33	29.1	5.7	11.2	6.9
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS17	18:48	Surface	28.61	8.4	25.5	5.4	10.2	5
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS17	18:48	Surface	28.62	8.4	25.5	5.5	10.1	6.9
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS17	18:48	Middle	27.84	8.37	26.8	5.4	10.2	6.4
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS17	18:48	Middle	27.55	8.36	27.5	5.3	10.2	5.8
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS17	18:48	Bottom	27.46	8.35	28.8	5.1	10.1	6.1
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS17	18:48	Bottom	27.63	8.35	28.7	5.1	10.1	5
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS17	13:47	Surface	28.45	8.32	27.5	5.4	8	7.3
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS17	13:47	Surface	28.68	8.31	27.3	5.2	7.8	6.5
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS17	13:47	Middle	28.03	8.32	28.2	5.3	8	16.7
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS17	13:47	Middle	28.1	8.31	28	5.2	8	15.4
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS17	13:47	Bottom	28.07	8.31	28.3	5.1	8.1	15.8
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS17	13:47	Bottom	27.98	8.32	28.4	5.2	8	15.8
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS17	8:25	Surface	28.31	8.33	28	5.3	5.6	5.2
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS17	8:25	Surface	28.29	8.33	27.9	5.7	5.5	5.8
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS17	8:25	Middle	28.22	8.33	28.1	5.3	5.7	7.1
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS17	8:25	Middle	28.22	8.34	28	5.4	5.7	7.1
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS17	8:25	Bottom	28.12	8.32	28.9	5.2	5.7	6.2
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS17	8:25	Bottom	28.04	8.34	28.8	5.4	5.8	8
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS17	15:56	Surface	28.73	8.3	27.4	5.3	7.6	8.4
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS17	15:56	Surface	28.83	8.3	27.3	5.3	7.6	7.9
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS17	15:56	Middle	28.33	8.3	27.9	5.3	7.5	8.5
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS17	15:56	Middle	28.38	8.3	27.8	5.3	7.7	9.2
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS17	15:56	Bottom	28.25	8.3	28.1	5.2	7.7	11.6
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS17	15:56	Bottom	28.11	8.3	28.1	5.2	7.5	11.1

Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS17	10:16	Surface	28.35	8.24	27.1	5.1	8.2	5
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS17	10:16	Surface	28.34	8.25	27.2	5.1	8.2	6.5
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS17	10:16	Middle	28.13	8.24	27.9	5	8.5	7.6
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS17	10:16	Middle	28.12	8.22	27.8	5	8.5	7.2
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS17	10:16	Bottom	28.13	8.21	27.9	4.9	8.2	7.3
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS17	10:16	Bottom	28.17	8.23	27.9	4.9	8.5	7.4
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS(Mf)16	13:13	Surface	28.39	8.27	26	5.3	7.9	6.1
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS(Mf)16	13:13	Surface	28.44	8.26	26	5.3	7.8	7.9
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS(Mf)16	13:13	Middle	28.1	8.26	26.7	5.2	7.8	11.6
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS(Mf)16	13:13	Middle	28.01	8.27	26.9	5.2	7.8	10.2
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS(Mf)16	13:13	Bottom	28.08	8.26	26.9	5.1	7.8	9.2
HKBCF	HY/2010/02	2-Sep-16	Mid-Ebb	IS(Mf)16	13:13	Bottom	27.9	8.27	27.3	5.1	7.8	10.8
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS(Mf)16	7:09	Surface	28.09	8.24	25.4	5.9	5.6	6.5
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS(Mf)16	7:09	Surface	28.07	8.25	25.6	6.1	5.8	7.9
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS(Mf)16	7:09	Middle	28.06	8.24	25.7	5.9	6.3	8.5
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS(Mf)16	7:09	Middle	28.05	8.25	25.7	6	6.5	7.7
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS(Mf)16	7:09	Bottom	28.06	8.24	25.8	5.9	6.2	7.4
HKBCF	HY/2010/02	2-Sep-16	Mid-Flood	IS(Mf)16	7:09	Bottom	28.03	8.25	25.9	6	6.6	7
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS(Mf)16	14:29	Surface	28.19	8.08	25.3	5.6	7.7	5.6
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS(Mf)16	14:29	Surface	28.15	8.04	25.5	5.7	7.7	5.5
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS(Mf)16	14:29	Middle	28.09	8.06	26.4	5.6	7.6	6.8
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS(Mf)16	14:29	Middle	28.03	8.02	26.7	5.7	7.6	6.5
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS(Mf)16	14:29	Bottom	28	8.03	27.8	5.5	7.8	6.9
HKBCF	HY/2010/02	5-Sep-16	Mid-Ebb	IS(Mf)16	14:29	Bottom	27.84	7.97	28	5.7	7.7	5.2
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS(Mf)16	9:09	Surface	28.22	8.24	26.3	5.7	9.2	4.6
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS(Mf)16	9:09	Surface	28.21	8.25	26.4	6	9.2	3.5
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS(Mf)16	9:09	Middle	28.14	8.24	26.7	5.6	9.6	4.6
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS(Mf)16	9:09	Middle	28.13	8.24	26.7	5.8	9.3	4.7
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS(Mf)16	9:09	Bottom	28.18	8.24	26.6	5.6	9.2	5.2
HKBCF	HY/2010/02	5-Sep-16	Mid-Flood	IS(Mf)16	9:09	Bottom	28.11	8.25	26.8	5.7	9.2	5.5
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS(Mf)16	15:46	Surface	27.98	8.18	25.5	6	7.2	6.4

Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS(Mf)16	15:46	Surface	27.94	8.17	25.7	5.5	7.7	6.9
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS(Mf)16	15:46	Middle	27.86	8.19	26	5.7	7.4	6.9
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS(Mf)16	15:46	Middle	27.89	8.17	26	5.4	7.3	7.5
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS(Mf)16	15:46	Bottom	27.86	8.16	26.5	5.4	7.1	7.4
HKBCF	HY/2010/02	7-Sep-16	Mid-Ebb	IS(Mf)16	15:46	Bottom	27.83	8.19	26.7	5.7	7.3	7.6
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS(Mf)16	10:33	Surface	27.99	8.18	24.8	5.8	6.6	8.2
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS(Mf)16	10:33	Surface	27.99	8.19	24.8	6.3	6.5	9.1
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS(Mf)16	10:33	Middle	27.94	8.18	25.6	5.9	9.3	8.8
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS(Mf)16	10:33	Middle	27.96	8.17	25.6	5.6	9.3	8.8
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS(Mf)16	10:33	Bottom	27.94	8.18	25.7	5.8	9.2	8
HKBCF	HY/2010/02	7-Sep-16	Mid-Flood	IS(Mf)16	10:33	Bottom	27.97	8.17	25.7	5.6	9.1	7.8
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS(Mf)16	17:38	Surface	28.41	8.08	19.8	5.1	6.5	6.5
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS(Mf)16	17:38	Surface	28.42	8.09	19.9	5.1	6.5	6.4
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS(Mf)16	17:38	Middle	28.15	8.05	21.5	5.1	6.2	6.1
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS(Mf)16	17:38	Middle	28.13	8.04	21.7	5.1	6.2	6.2
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS(Mf)16	17:38	Bottom	28.16	8.01	25.9	5	6.5	6.6
HKBCF	HY/2010/02	9-Sep-16	Mid-Ebb	IS(Mf)16	17:38	Bottom	27.89	7.98	26.3	4.8	6.4	6.5
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS(Mf)16	9:47	Surface	28.53	8.22	19.9	5.8	7.7	3.8
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS(Mf)16	9:47	Surface	28.61	8.23	19.8	5.8	7.5	3.4
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS(Mf)16	9:47	Middle	28.11	8.18	21.4	5.3	7.5	2.9
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS(Mf)16	9:47	Middle	28.22	8.18	22.1	5.8	7.6	3.4
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS(Mf)16	9:47	Bottom	27.8	8.09	28.9	5.1	7.5	4.6
HKBCF	HY/2010/02	12-Sep-16	Mid-Ebb	IS(Mf)16	9:47	Bottom	28.33	8.14	28.7	5.7	7.5	4.5
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS(Mf)16	16:40	Surface	29.71	8.41	18.3	5.6	3.2	2.2
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS(Mf)16	16:40	Surface	29.2	8.39	18.6	5.7	3.1	2.7
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS(Mf)16	16:40	Middle	28.24	8.32	23.7	5.6	3.9	2.1
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS(Mf)16	16:40	Middle	28.21	8.33	23	5.6	3.8	2.1
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS(Mf)16	16:40	Bottom	28.11	8.31	26	5.1	3.8	2.3
HKBCF	HY/2010/02	12-Sep-16	Mid-Flood	IS(Mf)16	16:40	Bottom	28.04	8.28	26.2	5.1	3.8	3
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS(Mf)16	11:22	Surface	28.78	8.3	24.6	5.2	5.4	4.8
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS(Mf)16	11:22	Surface	28.68	8.28	24.3	5.5	5.6	4.4

Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS(Mf)16	11:22	Middle	28.4	8.27	25.6	5	5.5	3.9
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS(Mf)16	11:22	Middle	28.45	8.26	25.6	5.1	5.5	4.4
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS(Mf)16	11:22	Bottom	28.26	8.24	26.6	5	5.5	5.6
HKBCF	HY/2010/02	14-Sep-16	Mid-Ebb	IS(Mf)16	11:22	Bottom	28.44	8.26	26.9	4.9	5.6	5.5
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS(Mf)16	17:45	Surface	28.91	8.51	21.9	6.6	8.6	3.2
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS(Mf)16	17:45	Surface	29.02	8.52	21.8	6.7	8.5	3.7
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS(Mf)16	17:45	Middle	28.68	8.49	23	6.5	8.8	3.1
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS(Mf)16	17:45	Middle	28.62	8.49	22.6	6.3	8.6	3.1
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS(Mf)16	17:45	Bottom	28.37	8.47	24.1	6.1	8.8	3.3
HKBCF	HY/2010/02	14-Sep-16	Mid-Flood	IS(Mf)16	17:45	Bottom	28.59	8.48	25	6.3	8.7	4
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS(Mf)16	12:42	Surface	28.61	8.4	24.7	5.3	5.1	5.3
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS(Mf)16	12:42	Surface	28.37	8.39	24.8	5.5	5.2	5.8
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS(Mf)16	12:42	Middle	27.82	8.36	26.8	5.2	5.4	5.6
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS(Mf)16	12:42	Middle	27.87	8.36	26.9	5.2	5.5	8.4
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS(Mf)16	12:42	Bottom	27.94	8.36	28.1	5	5.4	6
HKBCF	HY/2010/02	16-Sep-16	Mid-Ebb	IS(Mf)16	12:42	Bottom	27.4	8.34	28.7	4.9	5.5	5.3
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS(Mf)16	18:39	Surface	28.57	8.38	24.9	5.4	5.9	8.1
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS(Mf)16	18:39	Surface	28.54	8.39	25	5.4	5.9	5.8
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS(Mf)16	18:39	Middle	28	8.35	26.5	5.2	6	8.6
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS(Mf)16	18:39	Middle	27.72	8.35	27.2	5.1	5.8	7.7
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS(Mf)16	18:39	Bottom	27.4	8.34	28.8	4.7	5.9	6.7
HKBCF	HY/2010/02	16-Sep-16	Mid-Flood	IS(Mf)16	18:39	Bottom	27.81	8.34	28.2	4.8	5.9	7.6
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS(Mf)16	13:42	Surface	28.73	8.34	26.5	5.9	5.9	9.4
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS(Mf)16	13:42	Surface	28.65	8.33	26.6	5.3	6	8.8
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS(Mf)16	13:42	Middle	28.3	8.33	27.3	5.3	6	9.2
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS(Mf)16	13:42	Middle	28.3	8.34	27.3	5.7	5.9	9.4
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS(Mf)16	13:42	Bottom	28.21	8.32	27.7	5.3	6	9.5
HKBCF	HY/2010/02	19-Sep-16	Mid-Ebb	IS(Mf)16	13:42	Bottom	28.2	8.34	27.7	5.5	6.1	9.9
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS(Mf)16	8:33	Surface	28.32	8.31	27.6	5.3	15.8	17
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS(Mf)16	8:33	Surface	28.36	8.32	27.5	5.7	15.9	17.3
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS(Mf)16	8:33	Middle	28.3	8.31	27.6	5.3	15.9	17.1

Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS(Mf)16	8:33	Middle	28.31	8.32	27.5	5.4	16	16.3
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS(Mf)16	8:33	Bottom	28.3	8.32	27.4	5.4	16	17.5
HKBCF	HY/2010/02	19-Sep-16	Mid-Flood	IS(Mf)16	8:33	Bottom	28.31	8.31	27.6	5.2	16	17.8
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS(Mf)16	15:50	Surface	28.47	8.31	27.2	6.1	8.5	11
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS(Mf)16	15:50	Surface	28.55	8.31	27.1	5.5	8.6	11.1
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS(Mf)16	15:50	Middle	28.49	8.31	27.4	5.5	8.4	15
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS(Mf)16	15:50	Middle	28.47	8.31	27.4	5.8	8.5	16.1
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS(Mf)16	15:50	Bottom	28.53	8.31	27.6	5.7	8.2	20.2
HKBCF	HY/2010/02	21-Sep-16	Mid-Ebb	IS(Mf)16	15:50	Bottom	28.53	8.31	27.5	5.5	8.3	19.3
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS(Mf)16	10:23	Surface	28.29	8.25	27.2	5.2	7.2	9.4
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS(Mf)16	10:23	Surface	28.33	8.26	27.1	5.1	7.4	10.1
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS(Mf)16	10:23	Middle	28.15	8.24	27.6	5.1	7.6	11.3
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS(Mf)16	10:23	Middle	28.16	8.25	27.6	5.1	7.9	10.2
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS(Mf)16	10:23	Bottom	28.22	8.25	27.6	5	7.6	10.7
HKBCF	HY/2010/02	21-Sep-16	Mid-Flood	IS(Mf)16	10:23	Bottom	28.15	8.23	27.7	5	7.5	11.4
TMCLKL	HY/2012/07	1-Sep-16	Mid-Ebb	IS(Mf)16	13:10	Surface	27.6	7.8	26	6.6	7.7	11.6
TMCLKL	HY/2012/07	1-Sep-16	Mid-Ebb	IS(Mf)16	13:10	Surface	27.6	7.82	26	6.6	7.7	10.7
TMCLKL	HY/2012/07	1-Sep-16	Mid-Ebb	IS(Mf)16	13:10	Middle	27.6	7.76	25.9	6.5	7.9	11.1
TMCLKL	HY/2012/07	1-Sep-16	Mid-Ebb	IS(Mf)16	13:10	Middle	27.6	7.74	25.9	6.5	8	11.2
TMCLKL	HY/2012/07	1-Sep-16	Mid-Ebb	IS(Mf)16	13:10	Bottom	27.4	7.84	26.3	6.3	8	10.5
TMCLKL	HY/2012/07	1-Sep-16	Mid-Ebb	IS(Mf)16	13:10	Bottom	27.4	7.86	26.3	6.3	8.1	11.3
TMCLKL	HY/2012/07	1-Sep-16	Mid-Flood	IS(Mf)16	19:23	Surface	27.5	7.79	26	6.5	7.6	9.8
TMCLKL	HY/2012/07	1-Sep-16	Mid-Flood	IS(Mf)16	19:23	Surface	27.4	7.8	26.1	6.5	7.6	10.6
TMCLKL	HY/2012/07	1-Sep-16	Mid-Flood	IS(Mf)16	19:23	Middle	27.3	7.83	26.3	6.4	8	9.6
TMCLKL	HY/2012/07	1-Sep-16	Mid-Flood	IS(Mf)16	19:23	Middle	27.3	7.84	26.2	6.4	8	9.5
TMCLKL	HY/2012/07	1-Sep-16	Mid-Flood	IS(Mf)16	19:23	Bottom	27.2	7.85	26.4	6.3	7.9	10.3
TMCLKL	HY/2012/07	1-Sep-16	Mid-Flood	IS(Mf)16	19:23	Bottom	27.1	7.85	26.4	6.4	7.9	11.9
TMCLKL	HY/2012/07	3-Sep-16	Mid-Ebb	IS(Mf)16	13:15	Surface	27.6	7.86	26	6.5	7.8	11.7
TMCLKL	HY/2012/07	3-Sep-16	Mid-Ebb	IS(Mf)16	13:15	Surface	27.7	7.88	26.1	6.5	7.7	10
TMCLKL	HY/2012/07	3-Sep-16	Mid-Ebb	IS(Mf)16	13:15	Middle	27.5	7.82	25.9	6.4	8	9.6
TMCLKL	HY/2012/07	3-Sep-16	Mid-Ebb	IS(Mf)16	13:15	Middle	27.4	7.8	26	6.4	8	10.4

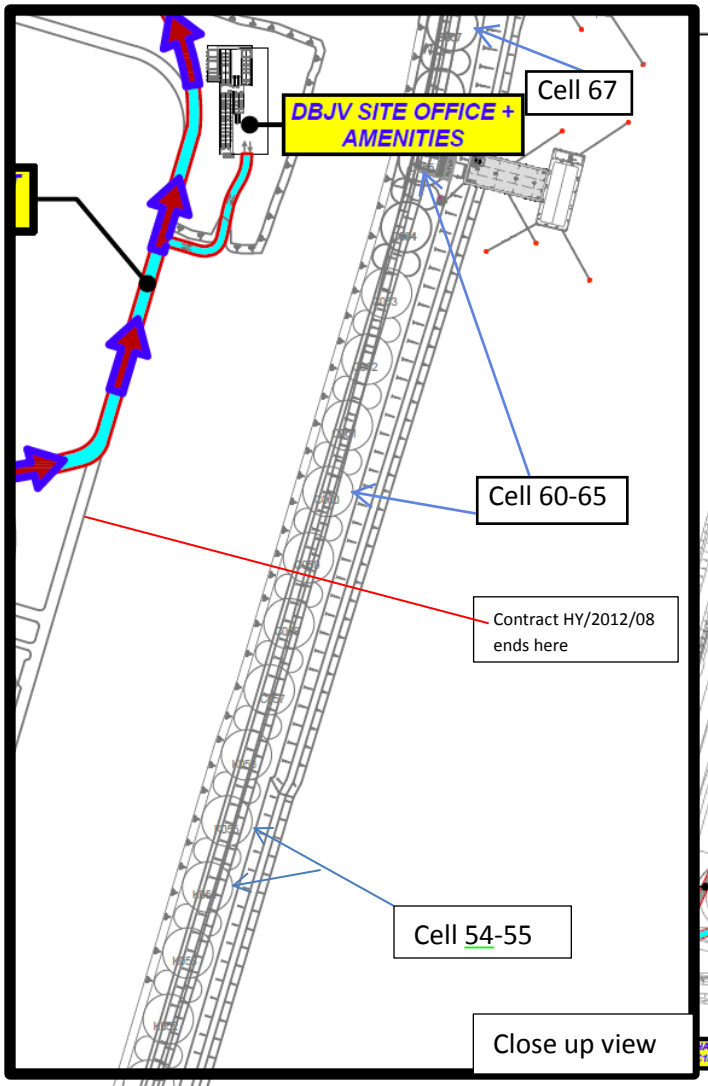
Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
TMCLKL	HY/2012/07	3-Sep-16	Mid-Ebb	IS(Mf)16	13:15	Bottom	27.4	7.9	26.1	6.2	8.1	10.5
TMCLKL	HY/2012/07	3-Sep-16	Mid-Ebb	IS(Mf)16	13:15	Bottom	27.5	7.92	26.2	6.2	8.1	9.8
TMCLKL	HY/2012/07	3-Sep-16	Mid-Flood	IS(Mf)16	8:40	Surface	27.5	7.73	25.9	6.6	7.5	10.5
TMCLKL	HY/2012/07	3-Sep-16	Mid-Flood	IS(Mf)16	8:40	Surface	27.6	7.78	26	6.5	7.6	9.9
TMCLKL	HY/2012/07	3-Sep-16	Mid-Flood	IS(Mf)16	8:40	Middle	27.5	7.74	26	6.5	7.8	11.8
TMCLKL	HY/2012/07	3-Sep-16	Mid-Flood	IS(Mf)16	8:40	Middle	27.5	7.71	26.1	6.4	7.8	9.3
TMCLKL	HY/2012/07	3-Sep-16	Mid-Flood	IS(Mf)16	8:40	Bottom	27.4	7.8	26.3	6.3	8.1	11.4
TMCLKL	HY/2012/07	3-Sep-16	Mid-Flood	IS(Mf)16	8:40	Bottom	27.3	7.76	26.3	6.3	8	10.5
TMCLKL	HY/2012/07	6-Sep-16	Mid-Ebb	IS(Mf)16	14:45	Surface	27.4	7.7	25.5	6.6	9.2	12.2
TMCLKL	HY/2012/07	6-Sep-16	Mid-Ebb	IS(Mf)16	14:45	Surface	27.5	7.72	25.6	6.7	9.2	12.3
TMCLKL	HY/2012/07	6-Sep-16	Mid-Ebb	IS(Mf)16	14:45	Middle	27.3	7.93	25.7	6.5	9.4	12.5
TMCLKL	HY/2012/07	6-Sep-16	Mid-Ebb	IS(Mf)16	14:45	Middle	27.3	7.91	25.8	6.5	9.4	12.5
TMCLKL	HY/2012/07	6-Sep-16	Mid-Ebb	IS(Mf)16	14:45	Bottom	27.2	8.05	25.9	6.3	9.5	12.6
TMCLKL	HY/2012/07	6-Sep-16	Mid-Ebb	IS(Mf)16	14:45	Bottom	27.1	8.07	26	6.3	9.5	12.9
TMCLKL	HY/2012/07	6-Sep-16	Mid-Flood	IS(Mf)16	10:18	Surface	27.4	7.78	25.4	6.7	7.9	10.7
TMCLKL	HY/2012/07	6-Sep-16	Mid-Flood	IS(Mf)16	10:18	Surface	27.3	7.77	25.3	6.7	8	10.8
TMCLKL	HY/2012/07	6-Sep-16	Mid-Flood	IS(Mf)16	10:18	Middle	27.3	7.86	25.8	6.4	8.4	11.2
TMCLKL	HY/2012/07	6-Sep-16	Mid-Flood	IS(Mf)16	10:18	Middle	27.2	7.85	25.9	6.4	8.5	11.3
TMCLKL	HY/2012/07	6-Sep-16	Mid-Flood	IS(Mf)16	10:18	Bottom	27.2	7.81	25.9	6.4	8.8	11.8
TMCLKL	HY/2012/07	6-Sep-16	Mid-Flood	IS(Mf)16	10:18	Bottom	27.1	7.82	26	6.5	8.8	12
TMCLKL	HY/2012/07	8-Sep-16	Mid-Ebb	IS(Mf)16	16:04	Surface	27.4	7.86	25.5	6.7	8	10.7
TMCLKL	HY/2012/07	8-Sep-16	Mid-Ebb	IS(Mf)16	16:04	Surface	27.5	7.88	25.5	6.7	8.1	10.7
TMCLKL	HY/2012/07	8-Sep-16	Mid-Ebb	IS(Mf)16	16:04	Middle	27.3	7.95	25.6	6.5	8.2	11
TMCLKL	HY/2012/07	8-Sep-16	Mid-Ebb	IS(Mf)16	16:04	Middle	27.3	7.93	25.7	6.5	8.3	11
TMCLKL	HY/2012/07	8-Sep-16	Mid-Ebb	IS(Mf)16	16:04	Bottom	27.2	8.12	25.8	6.4	8.4	11.2
TMCLKL	HY/2012/07	8-Sep-16	Mid-Ebb	IS(Mf)16	16:04	Bottom	27.1	8.1	25.8	6.5	8.5	11.3
TMCLKL	HY/2012/07	8-Sep-16	Mid-Flood	IS(Mf)16	12:08	Surface	27.4	7.84	25.4	6.8	7.9	10.4
TMCLKL	HY/2012/07	8-Sep-16	Mid-Flood	IS(Mf)16	12:08	Surface	27.5	7.83	25.5	6.8	7.9	10.5
TMCLKL	HY/2012/07	8-Sep-16	Mid-Flood	IS(Mf)16	12:08	Middle	27.3	7.92	25.9	6.5	8.3	11.1
TMCLKL	HY/2012/07	8-Sep-16	Mid-Flood	IS(Mf)16	12:08	Middle	27.4	7.91	26	6.4	8.4	11.1
TMCLKL	HY/2012/07	8-Sep-16	Mid-Flood	IS(Mf)16	12:08	Bottom	27.3	7.87	26.1	6.5	8.7	11.7

Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
TMCLKL	HY/2012/07	8-Sep-16	Mid-Flood	IS(Mf)16	12:08	Bottom	27.3	7.88	26	6.5	8.7	11.8
TMCLKL	HY/2012/07	10-Sep-16	Mid-Ebb	IS(Mf)16	19:40	Surface	27.4	8.04	25.4	6.6	7.9	10.6
TMCLKL	HY/2012/07	10-Sep-16	Mid-Ebb	IS(Mf)16	19:40	Surface	27.4	8.06	25.5	6.7	7.9	10.5
TMCLKL	HY/2012/07	10-Sep-16	Mid-Ebb	IS(Mf)16	19:40	Middle	27.3	8.12	25.6	6.5	8.2	10.8
TMCLKL	HY/2012/07	10-Sep-16	Mid-Ebb	IS(Mf)16	19:40	Middle	27.2	8.14	25.7	6.5	8.1	10.8
TMCLKL	HY/2012/07	10-Sep-16	Mid-Ebb	IS(Mf)16	19:40	Bottom	27.1	7.95	25.8	6.4	8.4	11.1
TMCLKL	HY/2012/07	10-Sep-16	Mid-Ebb	IS(Mf)16	19:40	Bottom	27	7.97	25.9	6.4	8.4	11.1
TMCLKL	HY/2012/07	10-Sep-16	Mid-Flood	IS(Mf)16	15:33	Surface	27.5	7.75	25.5	6.7	7.8	10.3
TMCLKL	HY/2012/07	10-Sep-16	Mid-Flood	IS(Mf)16	15:33	Surface	27.4	7.74	25.6	6.7	7.8	10.4
TMCLKL	HY/2012/07	10-Sep-16	Mid-Flood	IS(Mf)16	15:33	Middle	27.3	7.83	25.8	6.4	8.3	11
TMCLKL	HY/2012/07	10-Sep-16	Mid-Flood	IS(Mf)16	15:33	Middle	27.2	7.82	25.7	6.3	8.3	11
TMCLKL	HY/2012/07	10-Sep-16	Mid-Flood	IS(Mf)16	15:33	Bottom	27.1	7.78	25.9	6.4	8.6	11.6
TMCLKL	HY/2012/07	10-Sep-16	Mid-Flood	IS(Mf)16	15:33	Bottom	27.2	7.79	26	6.4	8.6	11.7
TMCLKL	HY/2012/07	13-Sep-16	Mid-Ebb	IS(Mf)16	10:23	Surface	27.4	7.89	26.4	6.4	7.8	10.3
TMCLKL	HY/2012/07	13-Sep-16	Mid-Ebb	IS(Mf)16	10:23	Surface	27.4	7.88	26.3	6.4	7.8	10.4
TMCLKL	HY/2012/07	13-Sep-16	Mid-Ebb	IS(Mf)16	10:23	Middle	27.3	7.93	26.4	6.3	8.1	10.8
TMCLKL	HY/2012/07	13-Sep-16	Mid-Ebb	IS(Mf)16	10:23	Middle	27.2	7.92	26.3	6.3	8.1	10.8
TMCLKL	HY/2012/07	13-Sep-16	Mid-Ebb	IS(Mf)16	10:23	Bottom	27.1	7.84	26.5	6.2	8	10.6
TMCLKL	HY/2012/07	13-Sep-16	Mid-Ebb	IS(Mf)16	10:23	Bottom	27	7.8	26.6	6.2	7.9	10.5
TMCLKL	HY/2012/07	13-Sep-16	Mid-Flood	IS(Mf)16	17:23	Surface	27.5	8.04	26	6.5	6.9	9.2
TMCLKL	HY/2012/07	13-Sep-16	Mid-Flood	IS(Mf)16	17:23	Surface	27.5	8.06	26.1	6.5	6.9	9.2
TMCLKL	HY/2012/07	13-Sep-16	Mid-Flood	IS(Mf)16	17:23	Middle	27.4	8.13	26.2	6.4	7.1	9.5
TMCLKL	HY/2012/07	13-Sep-16	Mid-Flood	IS(Mf)16	17:23	Middle	27.3	8.15	26.3	6.4	7.2	9.5
TMCLKL	HY/2012/07	13-Sep-16	Mid-Flood	IS(Mf)16	17:23	Bottom	27.2	7.95	26.4	6.3	7.2	9.8
TMCLKL	HY/2012/07	13-Sep-16	Mid-Flood	IS(Mf)16	17:23	Bottom	27.1	7.93	26.4	6.3	7.2	9.8
TMCLKL	HY/2012/07	15-Sep-16	Mid-Ebb	IS(Mf)16	11:51	Surface	27.7	7.85	26.2	6.7	7.9	10.5
TMCLKL	HY/2012/07	15-Sep-16	Mid-Ebb	IS(Mf)16	11:51	Surface	27.8	7.81	26.3	6.6	7.8	10.4
TMCLKL	HY/2012/07	15-Sep-16	Mid-Ebb	IS(Mf)16	11:51	Middle	27.6	7.87	26.3	6.6	7.9	10.5
TMCLKL	HY/2012/07	15-Sep-16	Mid-Ebb	IS(Mf)16	11:51	Middle	27.5	7.82	26.4	6.6	7.9	10.5
TMCLKL	HY/2012/07	15-Sep-16	Mid-Ebb	IS(Mf)16	11:51	Bottom	27.4	7.8	26.6	6.3	8.1	10.8
TMCLKL	HY/2012/07	15-Sep-16	Mid-Ebb	IS(Mf)16	11:51	Bottom	27.3	7.87	26.5	6.3	8	10.7

Project	Contract	Date	Tide	Station	Time	Depth	Temp.(°C)	pH	Salt.(ppt)	DO(mg/L)	Turb.(NTU)	SS(mg/L)
TMCLKL	HY/2012/07	15-Sep-16	Mid-Flood	IS(Mf)16	18:03	Surface	27.9	7.94	26.4	6.7	7.8	10.4
TMCLKL	HY/2012/07	15-Sep-16	Mid-Flood	IS(Mf)16	18:03	Surface	27.8	7.9	26.3	6.7	7.8	10.3
TMCLKL	HY/2012/07	15-Sep-16	Mid-Flood	IS(Mf)16	18:03	Middle	27.7	7.96	26.5	6.7	7.9	10.6
TMCLKL	HY/2012/07	15-Sep-16	Mid-Flood	IS(Mf)16	18:03	Middle	27.6	7.91	26.4	6.7	7.8	10.4
TMCLKL	HY/2012/07	15-Sep-16	Mid-Flood	IS(Mf)16	18:03	Bottom	27.5	7.89	26.7	6.4	8.1	10.9
TMCLKL	HY/2012/07	15-Sep-16	Mid-Flood	IS(Mf)16	18:03	Bottom	27.5	7.86	26.6	6.4	8	10.9
TMCLKL	HY/2012/07	17-Sep-16	Mid-Ebb	IS(Mf)16	19:08	Surface	27.7	7.91	26.4	6.7	7.8	10.2
TMCLKL	HY/2012/07	17-Sep-16	Mid-Ebb	IS(Mf)16	19:08	Surface	27.6	7.87	26.5	6.7	7.8	10.3
TMCLKL	HY/2012/07	17-Sep-16	Mid-Ebb	IS(Mf)16	19:08	Middle	27.5	7.93	26.5	6.7	7.8	10.3
TMCLKL	HY/2012/07	17-Sep-16	Mid-Ebb	IS(Mf)16	19:08	Middle	27.4	7.88	26.6	6.6	7.8	10.2
TMCLKL	HY/2012/07	17-Sep-16	Mid-Ebb	IS(Mf)16	19:08	Bottom	27.2	7.86	26.7	6.4	8	10.6
TMCLKL	HY/2012/07	17-Sep-16	Mid-Ebb	IS(Mf)16	19:08	Bottom	27.3	7.93	26.8	6.4	8	10.5
TMCLKL	HY/2012/07	17-Sep-16	Mid-Flood	IS(Mf)16	13:14	Surface	27.5	7.83	26.3	6.7	7.7	10.4
TMCLKL	HY/2012/07	17-Sep-16	Mid-Flood	IS(Mf)16	13:14	Surface	27.5	7.79	26.4	6.8	7.7	10.3
TMCLKL	HY/2012/07	17-Sep-16	Mid-Flood	IS(Mf)16	13:14	Middle	27.5	7.86	26.6	6.7	7.8	10.4
TMCLKL	HY/2012/07	17-Sep-16	Mid-Flood	IS(Mf)16	13:14	Middle	27.5	7.81	26.7	6.7	7.7	10.4
TMCLKL	HY/2012/07	17-Sep-16	Mid-Flood	IS(Mf)16	13:14	Bottom	27.4	7.79	26.8	6.5	7.9	10.9
TMCLKL	HY/2012/07	17-Sep-16	Mid-Flood	IS(Mf)16	13:14	Bottom	27.4	7.82	26.9	6.5	7.9	10.8
TMCLKL	HY/2012/07	20-Sep-16	Mid-Ebb	IS(Mf)16	14:05	Surface	27.6	7.81	26.3	6.7	8.3	11
TMCLKL	HY/2012/07	20-Sep-16	Mid-Ebb	IS(Mf)16	14:05	Surface	27.5	7.81	26.3	6.7	8.2	10.9
TMCLKL	HY/2012/07	20-Sep-16	Mid-Ebb	IS(Mf)16	14:05	Middle	27.3	7.78	26.5	6.4	8.4	11.2
TMCLKL	HY/2012/07	20-Sep-16	Mid-Ebb	IS(Mf)16	14:05	Middle	27.2	7.79	26.5	6.3	8.4	11.2
TMCLKL	HY/2012/07	20-Sep-16	Mid-Ebb	IS(Mf)16	14:05	Bottom	27.2	7.81	26.6	6.5	8.9	11.8
TMCLKL	HY/2012/07	20-Sep-16	Mid-Ebb	IS(Mf)16	14:05	Bottom	27.2	7.81	26.5	6.5	8.9	11.8
TMCLKL	HY/2012/07	20-Sep-16	Mid-Flood	IS(Mf)16	10:25	Surface	27.3	7.81	26.3	6.7	8.1	10.8
TMCLKL	HY/2012/07	20-Sep-16	Mid-Flood	IS(Mf)16	10:25	Surface	27.3	7.82	26.2	6.8	8.2	10.9
TMCLKL	HY/2012/07	20-Sep-16	Mid-Flood	IS(Mf)16	10:25	Middle	27.1	7.85	26.5	6.8	8.7	11.5
TMCLKL	HY/2012/07	20-Sep-16	Mid-Flood	IS(Mf)16	10:25	Middle	27.2	7.84	26.4	6.9	8.6	11.4
TMCLKL	HY/2012/07	20-Sep-16	Mid-Flood	IS(Mf)16	10:25	Bottom	27	7.83	26.6	6.7	8.8	11.9
TMCLKL	HY/2012/07	20-Sep-16	Mid-Flood	IS(Mf)16	10:25	Bottom	27.1	7.83	26.5	6.6	8.9	12.1

Action and Limit Levels for Water Quality

Parameter	Action Level	Limit Level
DO in mg/L	Surface and Middle **5.0 mg/L** Bottom **4.7 mg/L**	Surface and Middle **4.2 mg/L** Bottom **3.6 mg/L**
Turbidity in NTU (Depth-averaged)	120% of upstream control station at the same tide of the same day and 95%-ile of baseline data, i.e., **27.5 NTU**	130% of upstream control station at the same tide of the same day and 99%-ile of baseline data, i.e., **47.0 NTU**
SS in mg/L (Depth-averaged)	120% of upstream control station at the same tide of the same day and 95%-ile of baseline data, i.e., **23.5 mg/L**	130% of upstream control station at the same tide of the same day and 10mg/L for WSD Seawater Intakes at Tuen Mun and 99%-ile of baseline data, i.e., **34.4 mg/L**



DBJV Site Boundary

HAUL ROAD (WITH TRAFFIC CONE AT 10m SPACING WITH FLASH LIGHT)

HAUL ROAD (TAKE RIGHT TO PORTION E1,E2)

HAUL ROAD (KEEP RIGHT)

HAUL ROAD (WITH TRAFFIC CONE AT 10m SPACING WITH FLASH LIGHT)

HAUL ROAD (TAKE LEFT)

ACCESS TO C3/C4 SITE

HAUL ROAD (TO PORTION C1b,C2a,C2b,C2c,E1 and E2)

AIRPORT SOUTH INTERCHANGE

SITE ENTRANCE

Rev.	Date	Drawn	Designed	Verified	Description	Approved
C	01FEB16	pkv	pkv	WBa	SITE INSTALLATION LAYOUT UPDATE	SPo
B	25JAN16	pkv	pkv	WBa	DWG NUMBER CHANGED	SPo
A	25JAN16	JBa	pkv	WBa	FIRST ISSUE	SPo

Main Contractor: Dragages - Bouygues Joint Ventures

Client: HIGHWAYS DEPARTMENT

Contractor's Designer: ARUP, Ove Arup & Partners Hong Kong Limited

Project: Contract No. HY/2012/08
Tuen Mun - Chek Lap Kok Link -
Northern Connection Sub-Sea Tunnel Section

Drawing Title: SOUTHERN LANDFALL
PUBLIC ACCESS TO DBJV WORKS AREA
ON HKBCF RECLAMATION – GENERAL LAYOUT

Drawing No.: TMCLKL8–DBJ–SAA–MSI–06159
Scale: 1:6500 (A3)
CADD Ref: SAA–MSI–06159–C–DFT
Issue Status: DFT (DRAFT)
Revision: C

ERM

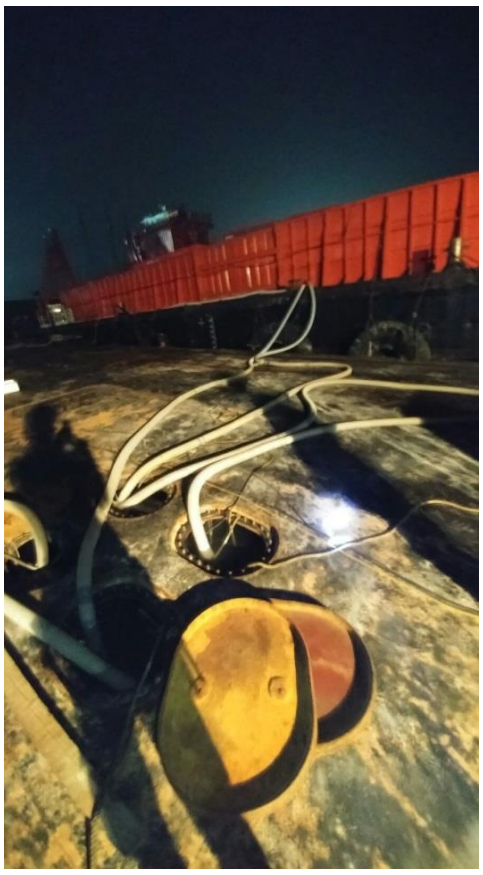
Annex A Photo Records taken during Site Investigation

Ballast tank is shown in the photo.

Ballast water is pumped in and out of the ballast tank.

ERM

Annex A Photo Records taken during Site Investigation



Preliminarily treated and recycled water is transported to Southern Landfall for constructional use.

Long shot of the procedure