

## **Appendix C. Monitoring Results**

# **Air Quality Monitoring Results**

**1-hour TSP Results**

**Station: AR1A- Man Tung Road Park**

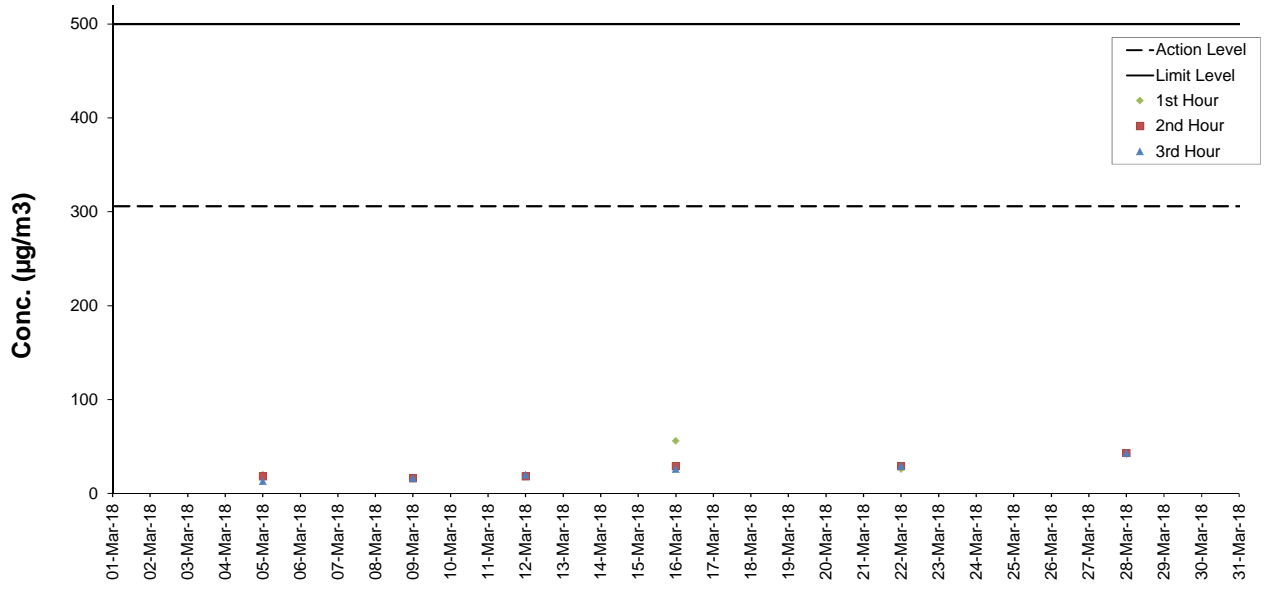
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
05-Mar-18	13:00	Fine	2.2	195	20	306	500
05-Mar-18	14:00	Fine	3.0	206	18	306	500
05-Mar-18	15:00	Fine	3.0	10	13	306	500
09-Mar-18	09:00	Sunny	3.6	195	16	306	500
09-Mar-18	10:00	Sunny	4.1	206	16	306	500
09-Mar-18	11:00	Sunny	4.5	25	16	306	500
12-Mar-18	13:45	Sunny	4.6	195	19	306	500
12-Mar-18	14:45	Sunny	4.5	206	18	306	500
12-Mar-18	15:45	Sunny	3.2	281	20	306	500
16-Mar-18	13:00	Sunny	4.2	195	56	306	500
16-Mar-18	14:00	Sunny	4.2	206	29	306	500
16-Mar-18	15:00	Sunny	4.7	260	26	306	500
22-Mar-18	13:00	Sunny	4.0	195	26	306	500
22-Mar-18	14:00	Sunny	4.2	206	29	306	500
22-Mar-18	15:00	Sunny	4.8	255	29	306	500
28-Mar-18	13:00	Sunny	4.3	195	42	306	500
28-Mar-18	14:00	Sunny	4.2	206	43	306	500
28-Mar-18	15:00	Sunny	4.3	57	43	306	500

**1-hour TSP Results**

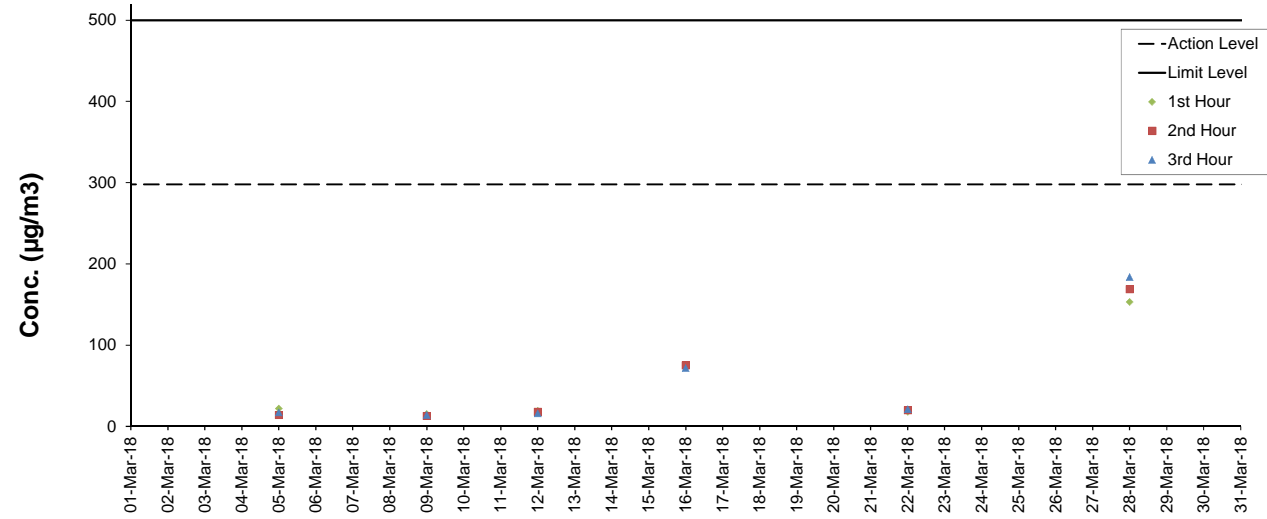
**Station: AR2- Village House, Tin Sum**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
05-Mar-18	09:00	Sunny	2.7	195	22	298	500
05-Mar-18	10:00	Sunny	3.2	206	14	298	500
05-Mar-18	11:00	Sunny	2.3	356	17	298	500
09-Mar-18	09:01	Sunny	3.6	195	15	298	500
09-Mar-18	10:01	Sunny	4.2	206	13	298	500
09-Mar-18	11:01	Sunny	4.2	30	14	298	500
12-Mar-18	09:00	Sunny	4.4	195	19	298	500
12-Mar-18	10:00	Sunny	3.4	206	18	298	500
12-Mar-18	11:00	Sunny	5.4	56	16	298	500
16-Mar-18	09:00	Sunny	2.0	195	75	298	500
16-Mar-18	10:00	Sunny	3.5	206	75	298	500
16-Mar-18	11:00	Sunny	2.4	287	72	298	500
22-Mar-18	08:56	Sunny	3.6	195	18	298	500
22-Mar-18	09:56	Sunny	4.4	206	20	298	500
22-Mar-18	10:56	Sunny	3.3	13	21	298	500
28-Mar-18	09:00	Sunny	4.5	195	153	298	500
28-Mar-18	10:00	Sunny	4.4	206	169	298	500
28-Mar-18	11:00	Sunny	3.9	87	184	298	500

### AR1A 1-Hour TSP



### AR2 1-Hour TSP



# Noise Monitoring Results

**Noise Measurement Results**  
**Station: NM1A- Man Tung Road Park**

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
05-Mar-18	Fine	13:12	71.0	53.5	72
05-Mar-18	Fine	13:17	73.0	54.5	
05-Mar-18	Fine	13:22	71.5	54.0	
05-Mar-18	Fine	13:27	73.5	54.5	
05-Mar-18	Fine	13:32	71.0	55.0	
05-Mar-18	Fine	13:37	72.5	55.5	
12-Mar-18	Sunny	14:05	71.0	55.0	71
12-Mar-18	Sunny	14:10	73.0	55.0	
12-Mar-18	Sunny	14:15	72.5	55.5	
12-Mar-18	Sunny	14:20	70.0	54.0	
12-Mar-18	Sunny	14:25	71.0	55.0	
12-Mar-18	Sunny	14:30	71.0	55.5	
22-Mar-18	Sunny	13:10	73.5	59.5	73
22-Mar-18	Sunny	13:15	73.5	59.0	
22-Mar-18	Sunny	13:20	71.5	57.0	
22-Mar-18	Sunny	13:25	71.5	57.0	
22-Mar-18	Sunny	13:30	75.5	59.0	
22-Mar-18	Sunny	13:35	73.0	57.0	
28-Mar-18	Sunny	13:15	73.5	55.0	72
28-Mar-18	Sunny	13:20	71.0	54.0	
28-Mar-18	Sunny	13:25	74.0	55.0	
28-Mar-18	Sunny	13:30	73.0	55.5	
28-Mar-18	Sunny	13:35	72.0	56.5	
28-Mar-18	Sunny	13:40	74.0	56.0	

Remarks:

+3dB (A) correction was applied to free-field measurement.

**Noise Measurement Results**  
**Station: NM3A- Site Office**

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
05-Mar-18	Sunny	09:45	62.0	60.5	61
05-Mar-18	Sunny	09:50	63.0	60.5	
05-Mar-18	Sunny	09:55	61.0	60.0	
05-Mar-18	Sunny	10:00	61.0	60.5	
05-Mar-18	Sunny	10:05	61.0	60.0	
05-Mar-18	Sunny	10:10	61.0	60.0	
12-Mar-18	Sunny	09:20	68.0	61.0	63
12-Mar-18	Sunny	09:25	69.0	60.0	
12-Mar-18	Sunny	09:30	69.0	60.0	
12-Mar-18	Sunny	09:35	71.0	60.5	
12-Mar-18	Sunny	09:40	68.5	60.5	
12-Mar-18	Sunny	09:45	70.0	60.5	
22-Mar-18	Sunny	09:30	69.5	60.0	63
22-Mar-18	Sunny	09:35	69.5	60.5	
22-Mar-18	Sunny	09:40	71.0	60.0	
22-Mar-18	Sunny	09:45	70.5	60.0	
22-Mar-18	Sunny	09:50	70.0	60.0	
22-Mar-18	Sunny	09:55	69.5	59.5	
28-Mar-18	Sunny	10:27	68.5	57.5	61
28-Mar-18	Sunny	10:32	69.0	58.0	
28-Mar-18	Sunny	10:37	66.0	57.0	
28-Mar-18	Sunny	10:42	69.0	58.0	
28-Mar-18	Sunny	10:47	69.0	57.0	
28-Mar-18	Sunny	10:52	71.5	57.0	

## Noise Measurement Results

### Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
05-Mar-18	Sunny	14:39	61.5	57.5	63
05-Mar-18	Sunny	14:44	61.5	57.5	
05-Mar-18	Sunny	14:49	62.0	58.0	
05-Mar-18	Sunny	14:54	62.0	58.0	
05-Mar-18	Sunny	14:59	63.0	58.0	
05-Mar-18	Sunny	15:04	62.0	57.0	
12-Mar-18	Sunny	14:04	65.0	60.0	60
12-Mar-18	Sunny	14:09	66.5	60.5	
12-Mar-18	Sunny	14:14	67.5	62.5	
12-Mar-18	Sunny	14:19	66.5	60.5	
12-Mar-18	Sunny	14:24	64.0	60.0	
12-Mar-18	Sunny	14:29	64.0	60.0	
21-Mar-18	Sunny	09:18	64.5	59.0	65
21-Mar-18	Sunny	09:23	62.0	58.5	
21-Mar-18	Sunny	09:28	66.0	59.0	
21-Mar-18	Sunny	09:33	64.5	58.5	
21-Mar-18	Sunny	09:38	63.5	59.0	
21-Mar-18	Sunny	09:43	63.5	58.5	
28-Mar-18	Sunny	14:03	64.0	60.0	66
28-Mar-18	Sunny	14:08	65.0	60.5	
28-Mar-18	Sunny	14:13	66.0	60.5	
28-Mar-18	Sunny	14:18	64.0	59.5	
28-Mar-18	Sunny	14:23	63.5	60.0	
28-Mar-18	Sunny	14:28	65.0	60.5	

Remarks:

+3dB (A) correction was applied to free-field measurement.

## Noise Measurement Results

### Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
05-Mar-18	Sunny	09:30	53.0	46.5	57
05-Mar-18	Sunny	09:35	51.5	46.6	
05-Mar-18	Sunny	09:40	57.5	48.0	
05-Mar-18	Sunny	09:45	50.5	45.5	
05-Mar-18	Sunny	09:50	61.5	46.5	
05-Mar-18	Sunny	09:55	53.0	46.0	
12-Mar-18	Sunny	09:25	59.5	52.0	62
12-Mar-18	Sunny	09:30	66.5	53.0	
12-Mar-18	Sunny	09:35	62.5	52.5	
12-Mar-18	Sunny	09:40	61.5	51.5	
12-Mar-18	Sunny	09:45	60.0	53.0	
12-Mar-18	Sunny	09:50	63.5	53.0	
22-Mar-18	Sunny	09:06	58.5	51.0	58
22-Mar-18	Sunny	09:11	58.5	51.0	
22-Mar-18	Sunny	09:16	59.0	50.0	
22-Mar-18	Sunny	09:21	56.0	49.0	
22-Mar-18	Sunny	09:26	58.0	51.5	
22-Mar-18	Sunny	09:31	57.5	50.5	
28-Mar-18	Sunny	09:17	58.5	50.5	53
28-Mar-18	Sunny	09:22	57.5	51.0	
28-Mar-18	Sunny	09:27	60.5	50.5	
28-Mar-18	Sunny	09:32	58.5	50.0	
28-Mar-18	Sunny	09:37	55.5	50.5	
28-Mar-18	Sunny	09:42	57.0	50.0	

Remarks:

+3dB (A) correction was applied to free-field measurement.

## Noise Measurement Results

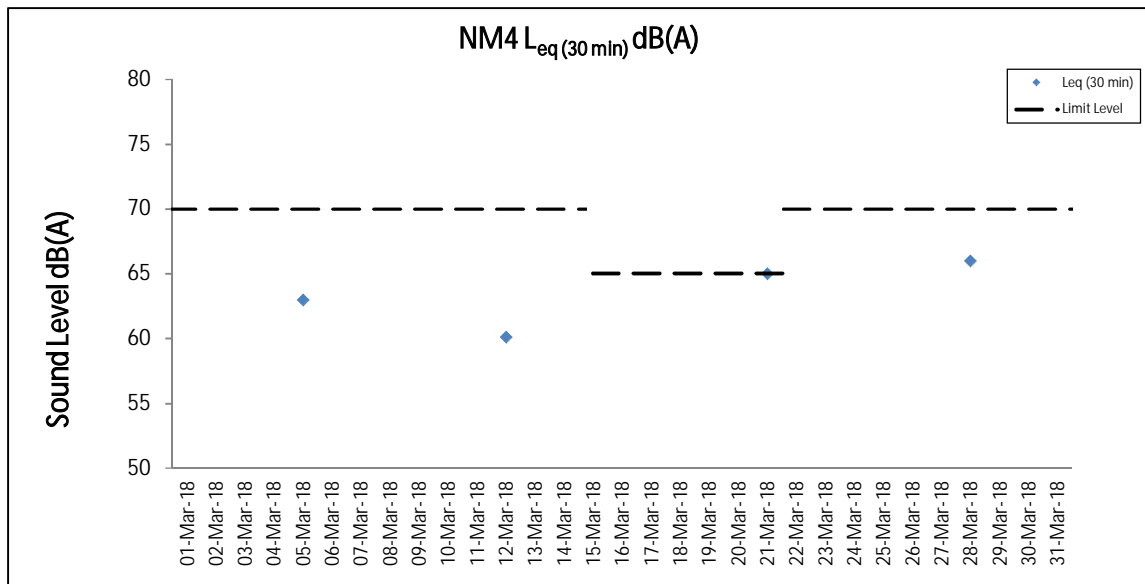
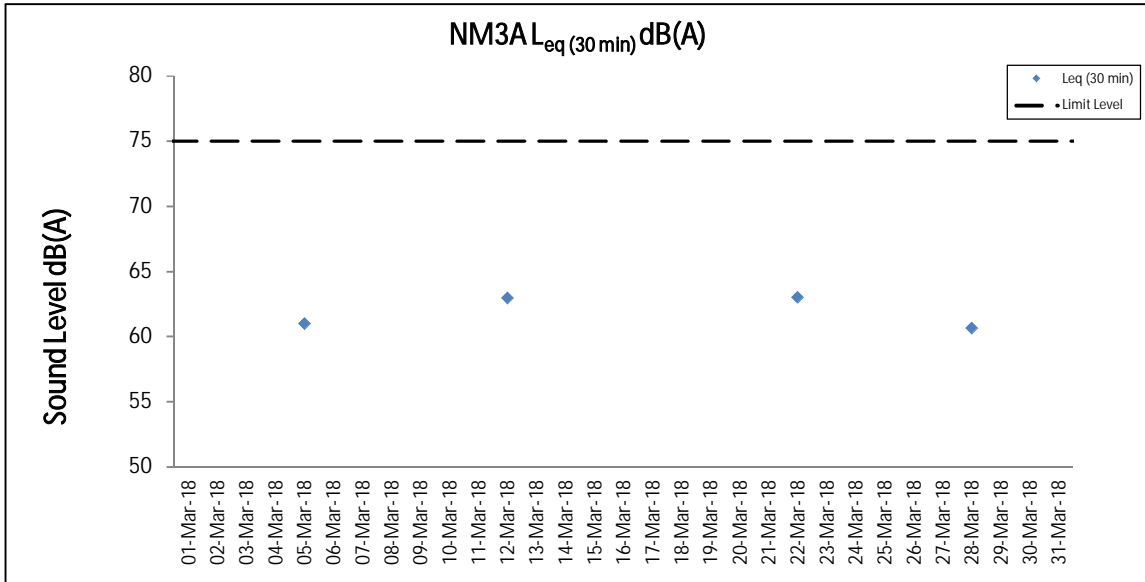
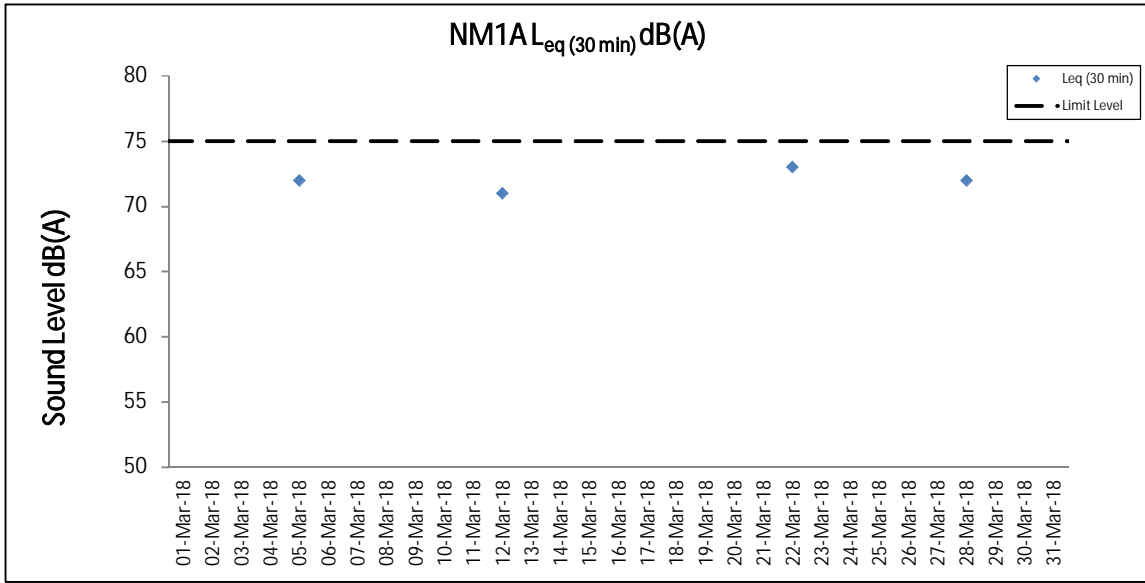
### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
09-Mar-18	Sunny	10:50	70.0	63.0	71
09-Mar-18	Sunny	10:55	71.0	62.0	
09-Mar-18	Sunny	11:00	69.5	58.0	
09-Mar-18	Sunny	11:05	78.5	59.5	
09-Mar-18	Sunny	11:10	76.0	57.0	
09-Mar-18	Sunny	11:15	74.5	57.5	
14-Mar-18	Cloudy	09:42	70.0	61.0	66
14-Mar-18	Cloudy	09:47	72.0	58.5	
14-Mar-18	Cloudy	09:52	70.5	58.5	
14-Mar-18	Cloudy	09:57	67.0	54.5	
14-Mar-18	Cloudy	10:02	74.0	54.5	
14-Mar-18	Cloudy	10:07	70.0	58.0	
20-Mar-18	Cloudy	09:39	74.5	54.5	73
20-Mar-18	Cloudy	09:44	70.5	53.5	
20-Mar-18	Cloudy	09:49	75.0	54.0	
20-Mar-18	Cloudy	09:54	76.0	53.5	
20-Mar-18	Cloudy	09:59	72.0	54.0	
20-Mar-18	Cloudy	10:04	77.0	53.5	
26-Mar-18	Fine	09:39	78.0	58.5	73
26-Mar-18	Fine	09:44	73.5	64.0	
26-Mar-18	Fine	09:49	72.5	61.0	
26-Mar-18	Fine	09:54	78.0	58.5	
26-Mar-18	Fine	09:59	74.5	55.0	
26-Mar-18	Fine	10:04	71.0	56.0	

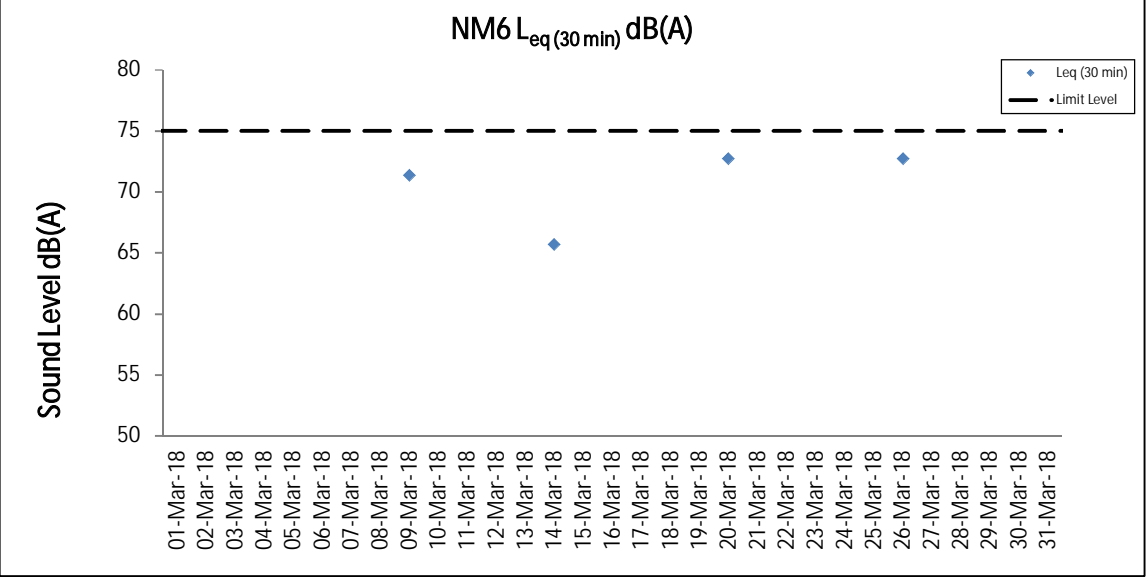
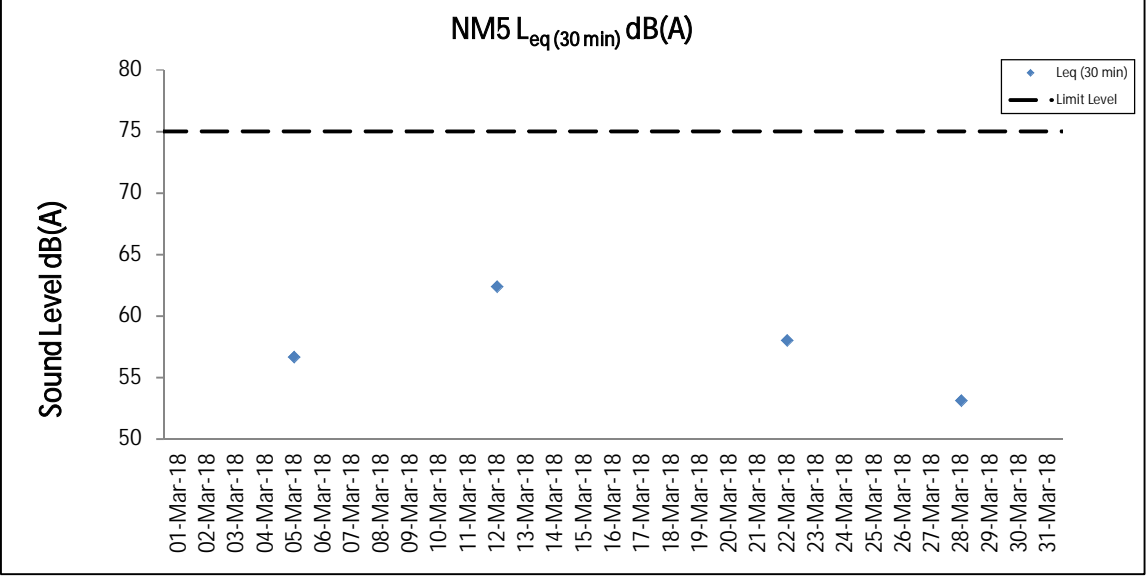
Remarks:

+3dB (A) correction was applied to free-field measurement.





Note: Limit Level at NM4 reduced to 65 dB(A) during school examination period from 15 to 21 March 2017.



# Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 01 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	12:18	8.3	Surface	1.0	0.3	135	19.3	8.2	8.2	30.1	30.1	127.3	127.3	9.8	9.5	7.5	7.9	5	6	72	74	815614	804247	<0.2	<0.2	1.9	1.8	
						1.0	0.3	143	19.3	8.2	8.2	30.1	30.1	127.2	127.3	9.8	9.5	7.5	7.9	5	6	72	74	<0.2	<0.2	1.8	1.8			
					Middle	4.2	0.3	156	17.7	8.2	8.2	30.7	30.7	116.8	116.7	9.3	9.2	7.4	7.9	7	7	73	74	<0.2	<0.2	1.6	1.8			
						4.2	0.3	169	17.7	8.2	8.2	30.8	30.7	116.6	116.7	9.2	9.2	7.4	7.9	7	7	74	74	<0.2	<0.2	1.8	1.8			
					Bottom	7.3	0.2	162	17.3	8.1	8.1	31.6	31.6	115.4	115.5	9.2	9.2	8.8	8.7	7	7	75	75	<0.2	<0.2	1.6	1.7			
						7.3	0.2	164	17.3	8.1	8.1	31.6	31.6	115.5	115.5	9.2	9.2	8.7	8.7	7	7	75	75	<0.2	<0.2	1.6	1.7			
C2	Fine	Moderate	11:14	11.8	Surface	1.0	0.1	117	18.1	8.1	8.1	29.1	29.1	100.2	100.2	8.0	7.9	12.5	12.1	10	10	73	74	825663	806935	<0.2	<0.2	1.4	1.5	
						1.0	0.1	120	18.1	8.1	8.1	29.1	29.1	100.2	100.2	8.0	7.9	12.5	12.1	9	9	73	74	<0.2	<0.2	1.6	1.4			
					Middle	5.9	0.1	96	18.0	8.1	8.1	29.5	29.5	98.3	98.3	7.8	7.8	12.2	12.1	10	10	73	74	<0.2	<0.2	1.4	1.6			
						5.9	0.1	97	18.0	8.1	8.1	29.5	29.5	98.3	98.3	7.8	7.8	12.2	12.1	9	9	74	74	<0.2	<0.2	1.6	1.6			
					Bottom	10.8	0.1	223	18.0	8.0	8.0	29.8	29.8	94.1	94.1	7.5	7.5	11.7	11.7	10	10	75	75	<0.2	<0.2	1.6	1.6			
						10.8	0.1	234	18.0	8.0	8.0	29.8	29.8	94.1	94.1	7.5	7.5	11.7	11.7	10	10	75	75	<0.2	<0.2	1.6	1.6			
C3	Sunny	Moderate	13:04	12.0	Surface	1.0	0.5	69	18.1	8.1	8.1	30.7	30.7	95.6	95.6	7.5	7.4	3.5	3.3	3	4	74	76	822083	817814	<0.2	<0.2	1.8	2.0	
						1.0	0.5	70	18.1	8.1	8.1	30.7	30.7	95.6	95.6	7.5	7.4	3.5	3.3	4	4	73	76	<0.2	<0.2	1.6	1.5			
					Middle	6.0	0.4	83	17.9	8.1	8.1	30.8	30.8	91.0	91.0	7.2	7.2	3.2	3.2	3	3	76	76	<0.2	<0.2	2.3	2.3			
						6.0	0.4	88	17.9	8.1	8.1	30.8	30.8	91.0	91.0	7.2	7.2	3.2	3.2	3	3	75	76	<0.2	<0.2	2.2	2.2			
					Bottom	11.0	0.3	89	17.6	8.0	8.0	31.1	31.1	83.6	83.6	6.6	6.6	3.2	3.2	3	3	78	77	<0.2	<0.2	2.2	2.3			
						11.0	0.3	97	17.6	8.0	8.0	31.1	31.1	83.6	83.6	6.6	6.6	3.2	3.2	4	4	77	77	<0.2	<0.2	2.3	2.3			
IM1	Sunny	Moderate	11:55	7.2	Surface	1.0	0.1	164	17.8	8.2	8.2	30.7	30.7	115.8	115.8	9.2	9.1	7.7	7.5	9	8	72	75	818356	806439	<0.2	<0.2	1.6	1.7	
						1.0	0.1	177	17.8	8.3	8.2	30.7	30.7	115.7	115.8	9.2	9.1	7.8	7.5	8	8	72	75	<0.2	<0.2	1.7	1.6			
					Middle	3.6	0.1	173	17.8	8.3	8.3	30.8	30.8	113.3	113.2	9.0	8.9	7.4	7.4	7	7	75	75	<0.2	<0.2	1.7	1.7			
						3.6	0.1	178	17.8	8.3	8.3	30.8	30.8	113.1	113.2	8.9	8.9	7.4	7.4	8	8	75	75	<0.2	<0.2	1.6	1.6			
					Bottom	6.2	0.1	166	17.8	8.3	8.3	30.8	30.8	109.2	109.1	8.6	8.6	7.4	7.4	8	8	77	77	<0.2	<0.2	1.6	1.8			
						6.2	0.1	177	17.8	8.3	8.3	30.8	30.8	109.0	109.1	8.6	8.6	7.4	7.4	7	7	77	77	<0.2	<0.2	1.8	1.8			
IM2	Sunny	Moderate	11:48	8.1	Surface	1.0	0.1	152	18.5	8.3	8.3	30.3	30.3	120.0	119.9	9.4	9.2	8.2	9.0	8	8	72	75	818859	806206	<0.2	<0.2	1.7	1.8	
						1.0	0.1	165	18.5	8.3	8.3	30.3	30.3	119.7	119.9	9.4	9.2	8.2	9.0	7	7	73	75	<0.2	<0.2	1.8	1.8			
					Middle	4.1	0.1	160	17.6	8.2	8.2	30.7	30.7	114.0	114.0	9.1	8.9	8.9	8.9	8	8	75	75	<0.2	<0.2	1.7	1.9			
						4.1	0.1	163	17.6	8.2	8.2	30.7	30.7	114.0	114.0	9.0	8.9	8.9	8.9	8	8	75	75	<0.2	<0.2	1.9	1.7			
					Bottom	7.1	0.1	167	17.7	8.2	8.2	30.8	30.8	110.0	110.0	8.7	8.7	10.0	10.0	8	8	77	77	<0.2	<0.2	1.9	1.7			
						7.1	0.1	176	17.7	8.2	8.2	30.8	30.8	109.9	110.0	8.7	8.7	10.0	10.0	7	7	77	77	<0.2	<0.2	1.9	1.7			
IM3	Sunny	Moderate	11:41	8.2	Surface	1.0	0.2	105	18.3	8.3	8.3	29.9	29.9	124.5	124.4	9.8	9.5	7.9	8.6	5	6	73	75	819427	805995	<0.2	<0.2	1.6	1.6	
						1.0	0.2	106	18.3	8.3	8.3	29.9	29.9	124.3	124.4	9.8	9.5	7.9	8.6	6	6	73	75	<0.2	<0.2	1.7	1.3			
					Middle	4.1	0.1	103	17.6	8.2	8.2	30.8	30.8	116.1	116.1	9.2	9.2	8.6	8.6	8	8	75	75	<0.2	<0.2	1.3	1.6			
						4.1	0.1	104	17.6	8.2	8.2	30.8	30.8	116.0	116.1	9.2	9.2	8.7	8.7	8	8	75	75	<0.2	<0.2	1.6	1.5			
					Bottom	7.2	0.1	110	17.6	8.2	8.2	30.8	30.8	111.6	111.5	8.9	8.9	9.3	9.3	9	9	77	77	<0.2	<0.2	1.5	1.5			
						7.2	0.1	120	17.6	8.2	8.2	30.8	30.8	111.4	111.4	8.8	8.8	9.2	9.2	9	9	77	77	<0.2	<0.2	1.6	1.6			
IM4	Sunny	Moderate	11:34	7.6	Surface	1.0	0.1	105	17.8	8.2	8.2	30.6	30.6	118.6	118.6	9.4	9.3	8.8	9.5	9	8	74	75	819570	805017	<0.2	<0.2	1.5	1.5	
						1.0	0.1	111	17.8	8.2	8.2	30.6	30.6	118.5	118.6	9.4	9.3	8.8	9.5	8	8	73	75	<0.2	<0.2	1.5	1.5			
					Middle	3.8	0.1	111	17.7	8.2	8.2	30.7	30.7	115.1	115.1	9.1	9.1	9.7	9.6	8	8	75	75	<0.2	<0.2	1.6	1.5			
						3.8	0.2	119	17.7	8.2	8.2	30.7	30.7	115.0	115.0	9.1	9.1	9.6	9.6	7	7	75	75	<0.2	<0.2	1.5	1.5			
					Bottom	6.6	0.1	70	17.5	8.2	8.2	31.0	31.0	109.5	109.5	8.7	8.7	10.0	10.0	7	7	76	76	<0.2	<0.2	1.5	1.5			
						6.6	0.1	75	17.5	8.2	8.2	31.0	31.0	109.4	109.4	8.7	8.7	10.0	10.0	7	7	76	76	<0.2	<0.2	1.6	1.6			
IM5	Sunny	Moderate	11:25	6.9	Surface	1.0	0.1	88	18.1	8.3	8.3	29.9	29.9	119.9	119.8	9.5	9.3	9.2	9.4	6	6	72	75	820562	804952	<0.2	<0.2	1.5	1.4	
						1.0	0.1	96	18.1	8.3	8.3	29.9	29.9	119.7	119.8	9.5	9.3	9.2	9.4	6	6	73	75	<0.2	<0.2	1.4	1.4			
					Middle	3.5	0.1	116	17.8	8.2	8.2	30.4	30.4	113.2	113.2	9.0	9.0	9.3	9.3	10	9	75	75	<0.2	<0.2	1.5	1.5			
						3.5	0.1	124	17.8	8.2	8.2	30.4	30.4	113.1	113.2	9.0	9.0	9.3	9.3	10	9	75	75	<0.2	<0.2	1.5	1.4			
					Bottom	5.9	0.1	212	17.8	8.2	8.2	30.6	30.6	109.2	109.2	8.7	8.7	9.8	9.8	9	9	77	77	<0.2	<0.2	1.4	1.4			
						5.9	0.1	219	17.8	8.2	8.2	30.6	30.6	109.1	109.2	8.6	8.6	9.8	9.8	10	10	77	77	<0.2	<0.2	1.3	1.3			
IM6	Sunny	Moderate	11:17	7.0	Surface	1.0	0.1	60	18.2	8.3	8.3	30.3	30.3	120.9	120.7	9.5	9.4	9.0	9.2	9	9	73	75	821045	805850	<0.2	<0.2	1.7	1.7	
						1.0	0.1	63	18.2	8.3	8.3	30.3	30.3	120.4	120.7	9.5	9.4	9.1	9.2	8	8	73	75	<0.2	<0.2	1.3	1.7			
					Middle	3.5	0.1	86	17.8	8.2	8.2	30.4	30.4	116.2	116.0	9.2	9.2	8.8	8.9	9	9	74	75	<0.2	<0.2	1.4	1.4			
						3.5	0.1	94																						



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 01 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	07:36	7.8	Surface	1.0	0.7	40	17.7	8.2	8.2	30.5	30.5	116.1	116.1	9.2	9.2	14.6	14.6	18	17	71	71	815643	804259	<0.2	<0.2	1.5	1.4	
						1.0	0.8	43	17.7	8.2	8.2	30.5	30.5	116.1	116.1	9.2	9.2	15.4	15.4	17	17	71	71	<0.2	<0.2	1.6	1.6			
						3.9	0.6	32	17.7	8.2	8.2	30.7	30.7	115.3	115.3	9.1	9.1	22.6	22.6	16	16	73	74	<0.2	<0.2	1.8	1.8			
					Middle	3.9	0.6	34	17.7	8.2	8.2	30.7	30.7	115.3	115.3	9.1	9.1	22.3	22.3	18	18	74	74	<0.2	<0.2	1.8	1.8			
						6.8	0.5	29	17.7	8.2	8.2	30.8	30.8	114.4	114.4	9.1	9.1	20.8	20.8	16	16	76	76	<0.2	<0.2	1.8	1.8			
						6.8	0.6	31	17.7	8.2	8.2	30.8	30.8	114.3	114.4	9.1	9.1	22.2	22.2	18	18	76	76	<0.2	<0.2	1.6	1.6			
C2	Fine	Moderate	08:14	10.8	Surface	1.0	0.4	359	18.2	8.1	8.1	28.2	28.2	103.9	103.9	8.3	8.3	10.6	10.6	9	8	73	73	825698	806970	<0.2	<0.2	2.2	2.2	
						1.0	0.5	330	18.2	8.1	8.1	28.2	28.2	103.9	103.9	8.3	8.3	10.6	10.6	8	8	72	72	<0.2	<0.2	1.9	1.9			
						5.4	0.3	16	18.0	8.1	8.1	28.4	28.4	101.9	101.9	8.1	8.1	19.8	19.8	10	10	73	74	<0.2	<0.2	2.0	2.0			
					Middle	5.4	0.4	16	18.0	8.1	8.1	28.4	28.4	101.9	101.9	8.1	8.1	19.8	19.8	8	8	74	74	<0.2	<0.2	2.0	2.0			
						9.8	0.3	23	17.9	8.1	8.1	28.8	28.8	100.8	100.8	8.0	8.0	22.3	22.3	10	10	74	74	<0.2	<0.2	1.8	1.8			
						9.8	0.4	24	17.9	8.1	8.1	28.8	28.8	100.8	100.8	8.0	8.0	22.3	22.3	11	11	75	75	<0.2	<0.2	2.7	2.7			
C3	Fine	Moderate	06:21	10.8	Surface	1.0	0.5	260	18.1	8.1	8.1	30.0	30.0	101.9	101.9	8.0	8.0	5.2	5.2	6	7	73	73	822105	817799	<0.2	<0.2	1.1	1.1	
						1.0	0.5	282	18.1	8.1	8.1	30.0	30.0	101.9	101.9	8.0	8.0	5.2	5.2	7	7	73	73	<0.2	<0.2	1.1	1.1			
						5.4	0.6	263	18.2	8.1	8.1	30.5	30.5	99.7	99.6	7.8	7.8	7.3	7.3	6	6	75	75	<0.2	<0.2	1.3	1.3			
					Middle	5.4	0.6	273	18.2	8.1	8.1	30.5	30.5	99.5	99.6	7.8	7.8	7.5	7.5	7	7	75	75	<0.2	<0.2	1.0	1.0			
						9.8	0.5	268	18.2	8.1	8.1	30.6	30.6	93.3	93.3	7.3	7.3	10.1	10.1	11	11	77	77	<0.2	<0.2	0.9	0.9			
						9.8	0.5	276	18.2	8.1	8.1	30.6	30.6	93.3	93.3	7.3	7.3	10.1	10.1	10	10	76	76	<0.2	<0.2	0.9	0.9			
IM1	Fine	Moderate	07:53	7.4	Surface	1.0	0.6	5	17.8	8.2	8.2	30.4	30.4	110.6	110.6	8.8	8.8	10.7	10.7	11	11	72	72	818359	806439	<0.2	<0.2	1.9	1.9	
						1.0	0.6	5	17.8	8.2	8.2	30.4	30.4	110.5	110.5	8.8	8.8	10.7	10.7	11	11	72	72	<0.2	<0.2	2.1	2.1			
						3.7	0.5	0	17.8	8.2	8.2	30.6	30.6	110.2	110.1	8.7	8.7	12.3	12.3	14	14	73	73	<0.2	<0.2	1.8	1.8			
					Middle	3.7	0.6	0	17.8	8.3	8.2	30.6	30.6	110.0	110.1	8.7	8.7	12.6	12.6	14	14	73	73	<0.2	<0.2	1.8	1.8			
						6.4	0.5	356	17.8	8.3	8.3	30.7	30.7	108.1	107.8	8.6	8.6	14.2	14.2	12	12	75	75	<0.2	<0.2	2.0	2.0			
						6.4	0.5	328	17.8	8.3	8.3	30.7	30.7	107.4	107.8	8.6	8.6	13.5	13.5	13	13	75	75	<0.2	<0.2	2.0	2.0			
IM2	Fine	Moderate	07:59	7.8	Surface	1.0	0.6	30	17.7	8.2	8.2	30.1	30.1	109.4	109.4	8.7	8.7	10.4	10.4	14	13	70	70	818848	806196	<0.2	<0.2	2.1	1.9	
						1.0	0.7	32	17.7	8.2	8.2	30.1	30.1	109.4	109.4	8.7	8.7	10.4	10.4	13	13	70	70	<0.2	<0.2	1.9	1.9			
						3.9	0.5	27	17.7	8.2	8.2	30.4	30.4	108.6	108.6	8.6	8.6	16.6	16.6	12	12	72	72	<0.2	<0.2	2.0	2.0			
					Middle	3.9	0.5	29	17.7	8.2	8.2	30.4	30.4	108.6	108.6	8.6	8.6	17.0	17.0	13	13	71	71	<0.2	<0.2	1.9	1.9			
						6.8	0.5	29	17.8	8.2	8.2	30.4	30.4	105.9	105.8	8.4	8.4	19.8	19.8	12	12	73	73	<0.2	<0.2	1.9	1.9			
						6.8	0.5	30	17.8	8.2	8.2	30.4	30.4	105.6	105.6	8.4	8.4	19.1	19.1	11	11	73	73	<0.2	<0.2	2.2	2.2			
IM3	Fine	Moderate	08:06	8.0	Surface	1.0	0.6	9	17.7	8.2	8.2	30.4	30.4	108.6	108.6	8.6	8.6	13.1	13.1	14	16	71	71	819421	806017	<0.2	<0.2	1.7	1.7	
						1.0	0.7	9	17.7	8.2	8.2	30.4	30.4	108.6	108.6	8.6	8.6	13.2	13.2	16	16	71	71	<0.2	<0.2	1.8	1.8			
						4.0	0.6	10	17.7	8.2	8.2	30.4	30.4	107.8	107.8	8.6	8.6	15.6	15.6	14	14	72	72	<0.2	<0.2	1.7	1.7			
					Middle	4.0	0.6	10	17.7	8.2	8.2	30.4	30.4	107.8	107.8	8.6	8.6	15.8	15.8	14	14	72	72	<0.2	<0.2	1.7	1.7			
						7.0	0.5	12	17.7	8.2	8.2	30.4	30.4	107.5	107.5	8.5	8.5	18.7	18.7	15	15	74	74	<0.2	<0.2	1.8	1.8			
						7.0	0.5	12	17.7	8.2	8.2	30.4	30.4	107.5	107.5	8.5	8.5	18.9	18.9	14	14	74	74	<0.2	<0.2	1.8	1.8			
IM4	Fine	Moderate	08:14	7.4	Surface	1.0	0.5	33	17.7	8.2	8.2	30.5	30.5	108.9	108.9	8.6	8.6	15.1	15.1	15	16	71	71	819596	805035	<0.2	<0.2	1.5	1.5	
						1.0	0.5	35	17.7	8.2	8.2	30.5	30.5	108.9	108.9	8.6	8.6	15.3	15.3	16	16	71	71	<0.2	<0.2	1.8	1.8			
						3.7	0.5	32	17.7	8.2	8.2	30.5	30.5	108.4	108.4	8.6	8.6	18.4	18.4	15	15	72	72	<0.2	<0.2	1.7	1.7			
					Middle	3.7	0.5	32	17.7	8.2	8.2	30.5	30.5	108.4	108.4	8.6	8.6	18.6	18.6	15	15	73	73	<0.2	<0.2	1.7	1.7			
						6.4	0.4	33	17.7	8.2	8.2	30.5	30.5	108.0	108.0	8.6	8.6	21.9	21.9	29	29	74	74	<0.2	<0.2	2.5	2.5			
						6.4	0.4	34	17.7	8.2	8.2	30.5	30.5	108.1	108.1	8.6	8.6	22.1	22.1	30	30	75	75	<0.2	<0.2	1.8	1.8			
IM5	Fine	Moderate	08:25	6.8	Surface	1.0	0.6	28	17.7	8.2	8.2	30.4	30.4	107.4	107.4	8.5	8.5	16.8	16.8	15	16	70	70	820563	804930	<0.2	<0.2	1.5	1.5	
						1.0	0.7	29	17.7	8.2	8.2	30.4	30.4	107.4	107.4	8.5	8.5	16.8	16.8	16	16	70	70	<0.2	<0.2	1.6	1.6			
						3.4	0.6	25	17.7	8.2	8.2	30.4	30.4	107.2	107.2	8.5	8.5	20.2	20.2	16	16	71	71	<0.2	<0.2	1.3	1.3			
					Middle	3.4	0.6	26	17.7	8.2	8.2	30.4	30.4	107.2	107.2	8.5	8.5	20.2	20.2	17	17	72	72	<0.2	<0.2	1.5	1.5			
						5.8	0.5	27	17.7	8.2	8.2	30.4	30.4	107.2	107.2	8.5	8.5	24.3	24.3	15	15	73	73	<0.2	<0.2	1.7	1.7			
						5.8	0.5	28	17.7	8.2	8.2	30.4	30.4	107.2	107.2	8.5	8.5	24.3	24.3	15	15	74	74	<0.2	<0.2	1.5	1.5			
IM6	Fine	Moderate	08:33	6.7	Surface	1.0	0.4	15	17.7	8.2	8.2	30.0	30.0	106.5	106.5	8.5	8.5	17.9	17.9	15	14	71	71	821042	805853	<0.2	<0.2	1.5	1.5	
						1.0	0.4	15	17.7	8.2	8.2	30.0	30.0	106.5	106.5	8.5	8.5	18.0	18.0	14	14	71	71	<0.2	<0.2	1.6	1.6			
						3.4	0.3	20	17.7	8.2	8.2	30.0	30.0																	

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 01 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
IM9	Fine	Moderate	07:41	6.7	Surface	1.0	0.2	16	18.0	18.0	8.1	8.1	28.4	28.4	96.0	96.0	7.7	7.7	13.6	7.5	10	11	73	74	822077	808784	<0.2	<0.2	1.3	1.3			
						1.0	0.2	17	18.0	18.0	8.1	8.1	28.4	28.4	96.0	96.0	7.7	7.7	13.6	7.5	10	11	73	74	<0.2	<0.2	1.4	1.4					
					Middle	3.4	0.1	3	18.0	18.0	8.2	8.2	28.5	28.5	89.9	89.9	7.2	7.2	13.9	7.5	12	11	74	74	<0.2	<0.2	1.2	1.2	1.4	1.4			
						3.4	0.1	3	18.0	18.0	8.2	8.2	28.5	28.5	89.9	89.9	7.2	7.2	13.9	7.5	11	11	74	74	<0.2	<0.2	1.4	1.4	1.4	1.4			
					Bottom	5.7	0.2	357	18.0	18.0	8.1	8.1	28.5	28.5	77.5	77.5	6.2	6.2	13.0	6.2	13	6.2	13	12	75	75	<0.2	<0.2	1.1	1.1	1.2	1.2	
						5.7	0.2	328	18.0	18.0	8.1	8.1	28.5	28.5	77.5	77.5	6.2	6.2	13.0	6.2	12	6.2	12	12	75	75	<0.2	<0.2	1.2	1.2	1.2	1.2	
IM10	Fine	Moderate	07:31	7.0	Surface	1.0	0.5	324	18.1	18.1	8.1	8.1	29.5	29.5	96.6	96.6	7.7	7.7	12.3	7.4	10	12	73	75	822253	809842	<0.2	<0.2	1.4	1.3			
						1.0	0.6	356	18.1	18.1	8.1	8.1	29.5	29.5	96.6	96.6	7.7	7.7	12.3	7.4	12	12	73	75	<0.2	<0.2	1.2	1.2	1.2	1.2			
					Middle	3.5	0.6	322	18.1	18.1	8.1	8.1	29.5	29.5	89.3	89.3	7.1	7.1	17.0	7.4	11	12	74	12	76	76	<0.2	<0.2	1.6	1.6	1.1	1.1	
						3.5	0.6	336	18.1	18.1	8.1	8.1	29.5	29.5	89.3	89.3	7.1	7.1	17.0	7.4	12	12	76	12	75	75	<0.2	<0.2	1.1	1.1	1.1	1.1	
					Bottom	6.0	0.5	320	18.1	18.1	8.0	8.0	29.6	29.6	72.5	72.5	5.7	5.7	18.5	5.7	12	5.7	12	12	76	76	<0.2	<0.2	1.1	1.1	1.1	1.1	
						6.0	0.5	351	18.1	18.1	8.0	8.0	29.6	29.6	72.5	72.5	5.7	5.7	18.5	5.7	12	5.7	12	12	76	76	<0.2	<0.2	1.1	1.1	1.1	1.1	
IM11	Fine	Moderate	07:17	7.7	Surface	1.0	0.6	302	18.1	18.1	8.1	8.1	29.6	29.6	99.7	99.7	7.9	7.9	11.8	7.8	8	9	73	75	821484	810572	<0.2	<0.2	1.9	1.5			
						1.0	0.6	326	18.1	18.1	8.1	8.1	29.6	29.6	99.7	99.7	7.9	7.9	11.8	7.8	9	9	73	75	<0.2	<0.2	1.7	1.7					
					Middle	3.9	0.6	300	18.2	18.2	8.1	8.1	30.1	30.1	98.1	98.1	7.7	7.7	17.9	7.8	8	9	74	9	74	75	<0.2	<0.2	1.4	1.4			
						3.9	0.6	305	18.2	18.2	8.1	8.1	30.1	30.1	98.1	98.1	7.7	7.7	17.9	7.8	10	9	75	9	74	75	<0.2	<0.2	1.4	1.4			
					Bottom	6.7	0.4	301	18.1	18.1	8.1	8.1	29.9	29.9	92.6	92.6	7.3	7.3	21.8	7.3	8	7.3	8	9	77	76	<0.2	<0.2	1.4	1.4			
						6.7	0.5	321	18.1	18.1	8.1	8.1	29.9	29.9	92.6	92.6	7.3	7.3	21.8	7.3	9	7.3	9	9	76	76	<0.2	<0.2	1.1	1.1			
IM12	Fine	Moderate	07:09	7.2	Surface	1.0	0.6	284	18.1	18.1	8.1	8.1	29.5	29.5	100.2	100.2	7.9	7.9	10.4	7.9	10	10	73	74	821153	811524	<0.2	<0.2	1.8	1.4			
						1.0	0.7	302	18.1	18.1	8.1	8.1	29.5	29.5	100.2	100.2	7.9	7.9	10.4	7.9	11	7.9	11	10	73	74	<0.2	<0.2	1.6	1.6			
					Middle	3.6	0.6	280	18.2	18.2	8.1	8.1	30.5	30.5	98.8	98.8	7.8	7.8	15.9	7.8	9	7.8	9	10	75	74	<0.2	<0.2	1.8	1.4			
						3.6	0.6	283	18.2	18.2	8.1	8.1	30.5	30.5	98.8	98.8	7.8	7.8	15.9	7.8	9	7.8	9	10	74	75	<0.2	<0.2	1.1	1.1			
					Bottom	6.2	0.4	275	18.2	18.2	8.1	8.1	30.5	30.5	97.5	97.5	7.7	7.7	21.4	7.7	12	7.7	12	11	76	75	<0.2	<0.2	1.2	1.2			
						6.2	0.5	276	18.2	18.2	8.1	8.1	30.5	30.5	97.5	97.5	7.7	7.7	21.4	7.7	11	7.7	11	11	75	75	<0.2	<0.2	1.1	1.1			
SR2	Fine	Moderate	06:42	3.9	Surface	1.0	0.1	169	18.1	18.1	8.1	8.1	30.2	30.2	89.4	89.4	7.1	7.1	8.9	7.1	6	7	74	75	821483	814154	<0.2	<0.2	1.9	2.0			
						1.0	0.1	174	18.1	18.1	8.1	8.1	30.2	30.2	89.4	89.4	7.1	7.1	8.9	7.1	7	7.1	7	7	73	73	<0.2	<0.2	1.6	1.6			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.9	0.1	174	18.1	18.1	8.0	8.0	30.3	30.3	75.9	75.9	6.0	6.0	12.3	6.0	8	6.0	8	7	75	76	<0.2	<0.2	2.3	2.3			
						2.9	0.1	177	18.1	18.1	8.0	8.0	30.3	30.3	75.9	75.9	6.0	6.0	12.3	6.0	7	6.0	7	7	76	76	<0.2	<0.2	2.1	2.1			
SR3	Fine	Moderate	07:55	8.6	Surface	1.0	0.5	29	17.9	17.9	8.1	8.1	28.7	28.7	101.8	101.8	8.1	8.1	13.3	8.1	13	12	-	-	822147	807599	-	-	-	-			
						1.0	0.5	29	17.9	17.9	8.1	8.1	28.7	28.7	101.8	101.8	8.1	8.1	13.3	8.1	11	8.1	11	12	-	-	-	-	-	-			
					Middle	4.3	0.5	24	17.9	17.9	8.1	8.1	28.9	28.9	101.0	101.0	8.1	8.1	20.4	8.1	12	8.1	12	12	-	-	-	-	-	-	-	-	
						4.3	0.5	26	17.9	17.9	8.1	8.1	28.9	28.9	101.0	101.0	8.1	8.1	20.4	8.1	12	8.1	12	12	-	-	-	-	-	-	-		
					Bottom	7.6	0.5	15	18.0	18.0	8.2	8.2	29.8	29.8	98.6	98.6	7.8	7.8	22.5	7.8	12	7.8	12	12	-	-	-	-	-	-	-	-	
						7.6	0.5	15	18.0	18.0	8.2	8.2	29.8	29.8	98.6	98.6	7.8	7.8	22.5	7.8	14	7.8	14	12	-	-	-	-	-	-	-		
SR4A	Fine	Calm	07:12	8.7	Surface	1.0	0.0	283	18.2	18.2	8.1	8.1	31.3	31.3	102.0	101.9	8.0	8.0	6.4	8.0	9	10	-	-	817196	807794	-	-	-	-			
						1.0	0.0	301	18.2	18.2	8.1	8.1	31.3	31.3	101.8	101.8	8.0	8.0	6.5	8.0	10	8.0	10	10	-	-	-	-	-	-			
					Middle	4.4	0.1	254	18.2	18.2	8.1	8.1	31.3	31.3	100.6	100.6	7.9	7.9	6.5	7.9	10	7.9	10	10	-	-	-	-	-	-	-		
						4.4	0.1	256	18.2	18.2	8.1	8.1	31.4	31.4	100.5	100.5	7.9	7.9	6.5	7.9	10	7.9	10	10	-	-	-	-	-	-			
					Bottom	7.7	0.1	236	18.2	18.2	8.1	8.1	31.4	31.4	100.2	100.2	7.8	7.8	6.6	7.8	10	7.8	10	10	-	-	-	-	-	-	-		
						7.7	0.1	237	18.2	18.2	8.1	8.1	31.4	31.4	100.2	100.2	7.8	7.8	6.7	7.8	10	7.8	10	10	-	-	-	-	-	-			
SR5A	Fine	Calm	06:56	3.8	Surface	1.0	0.3	278	18.1	18.1	8.1	8.1	31.4	31.4	100.5	100.5	7.9	7.9	7.0	7.9	5	7	-	-	816591	810717	-	-	-	-			
						1.0	0.3	291	18.1	18.1	8.1	8.1	31.4	31.4	100.5	100.5	7.9	7.9	7.0	7.9	7	7.9	7	7	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	2.8	0.3	283	18.1	18.1	8.1	8.1	31.4	31.4	100.8	100.8	7.9	7.9	6.9	7.9	7	7.9	7	7	-	-	-	-	-	-			
						2.8	0.3	290	18.1	18.1	8.1	8.1	31.4	31.4	100.7	100.7	7																

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 03 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	13:26	8.3	Surface	1.0	0.4	185	18.2	18.2	8.2	8.2	30.1	30.1	119.9	119.9	9.5	9.2	7.5	7.2	10	10	73	75	815625	804263	<0.2	<0.2	0.9	0.9		
						1.0	0.4	186	18.2	8.2	8.2	30.1	30.1	119.9	119.9	9.5	9.2	7.5	7.2	9	9	73	75			<0.2	<0.2	1.0	1.0			
					Middle	4.2	0.3	211	17.8	17.8	8.2	8.2	30.6	30.6	111.9	111.9	8.9	8.7	6.9	6.9	9	9	75	75	75	75			<0.2	<0.2	0.8	0.8
						4.2	0.3	214	17.8	17.8	8.2	8.2	30.6	30.6	111.9	111.9	8.9	8.7	6.9	6.9	10	10	75	75	75	75			<0.2	<0.2	0.8	0.8
					Bottom	7.3	0.3	244	17.6	17.6	8.1	8.1	31.0	31.0	109.3	109.3	8.7	8.7	7.2	7.2	11	11	77	77	77	77			<0.2	<0.2	0.8	0.8
						7.3	0.3	261	17.6	17.6	8.1	8.1	31.0	31.0	109.4	109.4	8.7	8.7	7.3	7.3	12	12	77	77	77	77			<0.2	<0.2	0.9	0.9
C2	Cloudy	Moderate	12:25	11.3	Surface	1.0	0.3	226	19.3	19.3	8.2	8.2	27.8	27.8	112.6	112.6	8.8	8.7	15.6	19.6	12	20	73	74	825680	806952	<0.2	<0.2	2.1	2.1		
						1.0	0.3	246	19.3	19.3	8.2	8.2	27.8	27.8	112.6	112.6	8.8	8.7	15.6	19.6	13	13	73	74	74	74			<0.2	<0.2	2.1	2.1
					Middle	5.7	0.3	203	19.1	19.1	8.2	8.2	27.9	27.9	109.2	109.2	8.6	8.6	17.3	17.3	17	17	74	74	74	74			<0.2	<0.2	2.2	2.2
						5.7	0.3	208	19.1	19.1	8.2	8.2	27.9	27.9	109.2	109.2	8.6	8.6	17.3	17.3	18	18	74	74	74	74			<0.2	<0.2	2.1	2.1
					Bottom	10.3	0.3	192	19.0	19.0	8.2	8.2	28.1	28.1	107.4	107.4	8.4	8.4	26.0	26.0	29	29	75	75	75	75			<0.2	<0.2	2.0	2.0
						10.3	0.3	202	19.0	19.0	8.2	8.2	28.1	28.1	107.4	107.4	8.4	8.4	26.0	26.0	28	28	75	75	75	75			<0.2	<0.2	2.0	2.0
C3	Cloudy	Moderate	14:19	11.5	Surface	1.0	0.5	68	19.0	19.0	8.3	8.3	29.4	29.4	116.8	116.8	9.1	8.7	5.1	5.9	5	7	74	76	822118	817781	<0.2	<0.2	1.2	1.3		
						1.0	0.5	74	19.0	19.0	8.3	8.3	29.4	29.4	116.8	116.8	9.1	8.7	5.1	5.9	6	6	74	76	76	76			<0.2	<0.2	1.4	1.3
					Middle	5.8	0.3	82	18.6	18.6	8.2	8.2	29.8	29.8	106.3	106.3	8.3	8.3	5.9	5.9	8	8	76	76	76	76			<0.2	<0.2	1.2	1.2
						5.8	0.3	89	18.6	18.6	8.2	8.2	29.8	29.8	106.3	106.3	8.3	8.3	5.9	5.9	8	8	76	76	76	76			<0.2	<0.2	1.2	1.2
					Bottom	10.5	0.3	105	18.3	18.3	8.1	8.1	30.1	30.1	106.2	106.2	8.4	8.4	6.6	6.6	8	8	78	78	78	78			<0.2	<0.2	1.2	1.2
						10.5	0.4	105	18.3	18.3	8.1	8.1	30.1	30.1	106.3	106.3	8.4	8.4	6.6	6.6	8	8	77	77	77	77			<0.2	<0.2	1.2	1.2
IM1	Fine	Moderate	13:08	7.5	Surface	1.0	0.0	204	18.7	18.7	8.2	8.2	30.1	30.1	120.5	120.5	9.4	9.2	6.5	7.6	9	9	73	75	818338	806486	<0.2	<0.2	1.0	0.9		
						1.0	0.0	219	18.7	18.7	8.2	8.2	30.1	30.1	120.4	120.4	9.4	9.2	6.6	7.6	7	7	73	75	75	75			<0.2	<0.2	1.0	0.9
					Middle	3.8	0.1	171	18.2	18.2	8.2	8.2	30.5	30.5	114.4	114.4	9.0	9.0	7.4	7.5	8	8	75	75	75	75			<0.2	<0.2	0.9	0.8
						3.8	0.1	179	18.2	18.2	8.2	8.2	30.5	30.5	114.4	114.4	9.0	9.0	7.5	7.5	8	8	75	75	75	75			<0.2	<0.2	0.9	0.8
					Bottom	6.5	0.2	178	17.9	17.9	8.1	8.1	30.7	30.7	111.8	111.8	8.8	8.8	8.6	8.6	10	10	77	77	77	77			<0.2	<0.2	0.9	0.8
						6.5	0.2	187	17.9	17.9	8.1	8.1	30.7	30.7	111.8	111.8	8.8	8.8	8.7	8.7	9	9	77	77	77	77			<0.2	<0.2	0.8	0.8
IM2	Fine	Moderate	13:03	8.4	Surface	1.0	0.1	135	18.1	18.1	8.2	8.2	30.5	30.5	118.8	118.8	9.4	9.3	7.7	7.9	9	10	73	75	818855	806190	<0.2	<0.2	0.8	0.8		
						1.0	0.1	142	18.1	18.1	8.2	8.2	30.5	30.5	118.8	118.8	9.4	9.3	7.7	7.9	8	8	73	75	75	75			<0.2	<0.2	0.8	0.8
					Middle	4.2	0.1	233	17.9	17.9	8.2	8.2	30.6	30.6	115.8	115.8	9.2	9.2	8.1	8.1	11	11	75	75	75	75			<0.2	<0.2	0.7	0.7
						4.2	0.1	234	17.9	17.9	8.2	8.2	30.6	30.6	115.8	115.8	9.2	9.2	8.1	8.1	10	10	76	76	76	76			<0.2	<0.2	0.7	0.7
					Bottom	7.4	0.1	138	17.8	17.8	8.1	8.1	30.8	30.8	111.4	111.4	8.8	8.8	7.8	7.8	10	10	77	77	77	77			<0.2	<0.2	0.8	0.8
						7.4	0.1	149	17.8	17.8	8.1	8.1	30.8	30.8	111.4	111.4	8.8	8.8	7.8	7.8	11	11	77	77	77	77			<0.2	<0.2	0.7	0.7
IM3	Fine	Moderate	12:58	8.4	Surface	1.0	0.1	117	17.9	17.9	8.2	8.2	30.6	30.6	113.2	113.2	8.9	8.8	8.7	9.3	10	11	73	75	819395	806005	<0.2	<0.2	0.9	0.7		
						1.0	0.1	127	17.9	17.9	8.2	8.2	30.6	30.6	113.1	113.1	8.9	8.8	8.7	9.3	8	8	73	75	75	75			<0.2	<0.2	0.9	0.7
					Middle	4.2	0.1	177	17.7	17.7	8.1	8.1	31.0	31.0	109.6	109.6	8.7	8.7	9.0	9.0	12	12	75	75	75	75			<0.2	<0.2	0.6	0.6
						4.2	0.1	190	17.7	17.7	8.1	8.1	31.0	31.0	109.6	109.6	8.7	8.7	9.0	9.0	12	12	75	75	75	75			<0.2	<0.2	0.7	0.6
					Bottom	7.4	0.1	188	17.7	17.7	8.1	8.1	31.1	31.1	109.1	109.1	8.6	8.6	10.3	10.3	11	11	77	77	77	77			<0.2	<0.2	0.6	0.6
						7.4	0.1	189	17.7	17.7	8.1	8.1	31.1	31.1	109.1	109.1	8.6	8.6	10.2	10.2	10	10	77	77	77	77			<0.2	<0.2	0.7	0.7
IM4	Fine	Moderate	12:50	8.1	Surface	1.0	0.1	134	18.3	18.3	8.2	8.2	30.0	30.0	114.5	114.5	9.0	8.9	9.1	10.2	12	12	73	75	819547	805036	<0.2	<0.2	1.1	0.9		
						1.0	0.1	146	18.3	18.3	8.2	8.2	30.0	30.0	114.5	114.5	9.0	8.9	9.1	10.2	11	11	73	75	75	75			<0.2	<0.2	1.2	1.2
					Middle	4.1	0.1	149	17.8	17.8	8.1	8.1	30.6	30.6	110.7	110.7	8.8	8.8	10.5	10.6	12	12	75	75	75	75			<0.2	<0.2	0.9	0.8
						4.1	0.1	161	17.8	17.8	8.1	8.1	30.6	30.6	110.7	110.7	8.8	8.8	10.6	10.6	11	11	75	75	75	75			<0.2	<0.2	0.8	0.8
					Bottom	7.1	0.1	182	17.7	17.7	8.1	8.1	30.8	30.8	108.8	108.8	8.6	8.6	10.8	10.8	12	12	77	77	77	77			<0.2	<0.2	0.6	0.6
						7.1	0.1	196	17.7	17.7	8.1	8.1	30.8	30.8	108.7	108.7	8.6	8.6	10.8	10.8	12	12	77	77	77	77			<0.2	<0.2	0.7	0.7
IM5	Fine	Moderate	12:40	7.1	Surface	1.0	0.1	129	18.5	18.5	8.2	8.2	29.7	29.7	118.7	118.6	9.3	9.2	9.7	10.6	11	12	73	76	820589	804946	<0.2	<0.2	1.0	1.0		
						1.0	0.2	133	18.5	18.5	8.2	8.2	29.7	29.7	118.5	118.6	9.3	9.2	9.7	10.6	9	9	74	76	76	76			<0.2	<0.2	1.0	1.0
					Middle	3.6	0.																									



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 03 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	13:01	7.3	Surface	1.0	0.5	100	19.2	8.3	8.3	28.5	28.5	118.1	118.1	9.2	9.2	10.3	9.2	8	72	75	75	822080	808809	<0.2	1.7	1.4	1.4				
						1.0	0.5	109	19.2	8.3	8.3	28.5	28.5	118.1	118.1	9.2	9.2	10.3	9.2	8	73	75	75	75	75	<0.2	1.8	1.4	1.4				
					Middle	3.7	0.5	74	18.7	8.3	8.3	29.6	29.6	116.4	116.4	9.1	9.1	15.2	9.1	10	10	9	75	75	75	75	822080	808809	<0.2	1.5	1.4	1.4	
						3.7	0.5	76	18.7	8.3	8.3	29.6	29.6	116.4	116.4	9.1	9.1	15.2	9.1	10	10	9	75	75	75	75	822080	808809	<0.2	1.4	1.4	1.4	
					Bottom	6.3	0.4	69	18.6	8.3	8.3	29.7	29.7	115.6	115.6	9.1	9.1	23.0	9.1	11	11	9	76	76	76	76	822080	808809	<0.2	1.4	1.4	1.4	
						6.3	0.4	73	18.6	8.3	8.3	29.7	29.7	115.6	115.6	9.1	9.1	23.0	9.1	11	11	9	76	76	76	76	822080	808809	<0.2	1.1	1.4	1.4	
IM10	Cloudy	Moderate	13:10	8.2	Surface	1.0	0.4	112	19.3	8.3	8.3	28.2	28.2	121.6	121.6	9.5	9.5	8.4	9.4	9	73	75	75	822255	809826	<0.2	1.7	1.6	1.6				
						1.0	0.4	115	19.3	8.3	8.3	28.2	28.2	121.6	121.6	9.5	9.5	8.4	9.4	8	73	75	75	75	822255	809826	<0.2	1.8	1.6	1.6			
					Middle	4.1	0.5	86	19.0	8.3	8.3	29.0	29.0	118.5	118.5	9.2	9.2	13.5	9.2	8	9	9	75	75	75	75	822255	809826	<0.2	1.7	1.6	1.6	
						4.1	0.5	87	19.0	8.3	8.3	29.0	29.0	118.4	118.5	9.2	9.2	13.5	9.2	8	9	9	75	75	75	75	822255	809826	<0.2	1.7	1.6	1.6	
					Bottom	7.2	0.3	81	18.8	8.3	8.3	29.6	29.6	117.0	117.0	9.1	9.1	17.2	9.1	9	9	9	75	75	75	75	822255	809826	<0.2	1.4	1.6	1.6	
						7.2	0.4	87	18.8	8.3	8.3	29.6	29.6	117.0	117.0	9.1	9.1	17.2	9.1	9	9	9	76	76	76	76	822255	809826	<0.2	1.2	1.6	1.6	
IM11	Cloudy	Moderate	13:22	8.2	Surface	1.0	0.3	121	19.2	8.3	8.3	28.9	28.9	117.0	117.0	9.1	9.1	10.4	9.1	9	73	75	75	821518	810549	<0.2	1.4	1.3	1.3				
						1.0	0.4	125	19.2	8.3	8.3	28.9	28.9	117.0	117.0	9.1	9.1	10.4	9.1	10	74	75	75	75	821518	810549	<0.2	1.4	1.3	1.3			
					Middle	4.1	0.3	110	18.9	8.3	8.3	29.3	29.3	114.8	114.8	9.0	9.0	12.0	9.0	11	10	10	75	75	75	75	821518	810549	<0.2	1.4	1.3	1.3	
						4.1	0.3	116	18.9	8.3	8.3	29.3	29.3	114.8	114.8	9.0	9.0	12.0	9.0	10	10	10	75	75	75	75	821518	810549	<0.2	1.4	1.3	1.3	
					Bottom	7.2	0.3	94	18.9	8.3	8.3	29.4	29.4	113.9	113.9	8.9	8.9	14.3	8.9	10	10	10	77	77	77	77	821518	810549	<0.2	1.3	1.3	1.3	
						7.2	0.3	96	18.9	8.3	8.3	29.4	29.4	113.9	113.9	8.9	8.9	14.3	8.9	10	10	10	77	77	77	77	821518	810549	<0.2	1.1	1.3	1.3	
IM12	Cloudy	Moderate	13:31	9.0	Surface	1.0	0.5	110	19.4	8.3	8.3	28.6	28.6	116.2	116.2	9.0	9.0	8.9	9.0	8	73	75	75	821156	811493	<0.2	1.6	1.4	1.4				
						1.0	0.5	120	19.4	8.3	8.3	28.6	28.6	116.2	116.2	9.0	9.0	8.9	9.0	7	73	75	75	75	821156	811493	<0.2	1.5	1.4	1.4			
					Middle	4.5	0.5	104	19.0	8.3	8.3	29.0	29.0	114.7	114.7	9.0	9.0	11.1	9.0	8	10	10	75	75	75	75	821156	811493	<0.2	1.6	1.4	1.4	
						4.5	0.5	111	19.0	8.3	8.3	29.0	29.0	114.7	114.7	9.0	9.0	11.1	9.0	7	10	10	75	75	75	75	821156	811493	<0.2	1.4	1.4	1.4	
					Bottom	8.0	0.4	92	19.0	8.3	8.3	29.1	29.1	114.2	114.2	8.9	8.9	18.5	8.9	14	16	16	76	78	78	78	821156	811493	<0.2	1.0	1.3	1.3	
						8.0	0.5	92	19.0	8.3	8.3	29.1	29.1	114.2	114.2	8.9	8.9	18.5	8.9	16	16	16	78	78	78	78	821156	811493	<0.2	1.3	1.3	1.3	
SR2	Cloudy	Moderate	13:59	3.5	Surface	1.0	0.4	79	19.6	8.3	8.3	28.6	28.6	122.4	122.4	9.5	9.5	6.3	9.5	8	75	75	75	821484	814193	<0.2	1.5	1.5	1.5				
						1.0	0.4	85	19.6	8.3	8.3	28.6	28.6	122.4	122.4	9.5	9.5	6.3	9.5	7	75	75	75	75	821484	814193	<0.2	1.5	1.5	1.5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.5	0.3	74	19.1	8.3	8.3	29.0	29.0	117.9	117.9	9.2	9.2	7.4	9.2	7	7	7	78	78	78	78	821484	814193	<0.2	1.5	1.5	1.5	
						2.5	0.3	79	19.1	8.3	8.3	29.0	29.0	117.9	117.9	9.2	9.2	7.4	9.2	8	7	7	76	76	76	76	821484	814193	<0.2	1.4	1.5	1.5	
SR3	Cloudy	Moderate	12:46	8.8	Surface	1.0	0.3	141	19.2	8.2	8.2	28.3	28.3	117.0	117.0	9.1	9.1	9.1	9.1	8	-	-	-	822145	807548	-	-	-	-				
						1.0	0.3	143	19.2	8.2	8.2	28.3	28.3	117.0	117.0	9.1	9.1	9.1	9.1	8	-	-	-	-	-	822145	807548	-	-	-	-		
					Middle	4.4	0.3	95	18.9	8.3	8.3	29.3	29.3	116.2	116.2	9.1	9.1	11.3	9.1	9	-	-	-	-	-	822145	807548	-	-	-	-		
						4.4	0.3	95	18.9	8.3	8.3	29.3	29.3	116.2	116.2	9.1	9.1	11.3	9.1	9	-	-	-	-	-	822145	807548	-	-	-	-		
					Bottom	7.8	0.3	63	18.6	8.2	8.2	29.6	29.6	114.7	114.7	9.0	9.0	11.2	9.0	10	-	-	-	-	-	822145	807548	-	-	-	-		
						7.8	0.3	64	18.6	8.2	8.2	29.6	29.6	114.7	114.7	9.0	9.0	11.2	9.0	11	-	-	-	-	-	822145	807548	-	-	-	-		
SR4A	Fine	Moderate	13:51	7.7	Surface	1.0	0.3	75	18.7	8.2	8.2	30.0	30.0	118.4	118.4	9.3	9.3	6.8	9.0	6	-	-	-	817164	807795	-	-	-	-				
						1.0	0.3	77	18.6	8.2	8.2	30.0	30.0	118.2	118.2	9.2	9.2	6.9	9.0	7	-	-	-	-	-	817164	807795	-	-	-	-		
					Middle	3.9	0.3	95	18.1	8.2	8.2	30.5	30.5	111.2	111.2	8.8	8.8	8.1	8.8	9	-	-	-	-	-	817164	807795	-	-	-	-		
						3.9	0.3	104	18.1	8.2	8.2	30.5	30.5	111.1	111.1	8.8	8.8	8.1	8.8	7	-	-	-	-	-	817164	807795	-	-	-	-		
					Bottom	6.7	0.2	66	17.8	8.1	8.1	31.0	31.0	109.9	110.0	8.7	8.7	8.8	8.7	11	-	-	-	-	-	817164	807795	-	-	-	-		
						6.7	0.2	72	17.8	8.1	8.1	31.0	31.0	110.0	110.0	8.7	8.7	8.8	8.7	9	-	-	-	-	-	817164	807795	-	-	-	-		
SR5A	Fine	Moderate	14:07	4.4	Surface	1.0	0.1	258	19.9	8.2	8.2	29.8	29.8	126.8	126.8	9.7	9.7	5.3	9.7	4	-	-	-	816590	810696	-	-	-	-				
						1.0	0.1	258	19.9	8.2	8.2	29.8	29.8	126.7	126.7	9.7	9.7	5.4	9.7	5	-	-	-	-	-	816590	810696	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.4	0.1	165	19.2	8.2	8.2	29.8	29.8	122.0	122.0	9.4																	

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 03 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	08:40	8.4	Surface	1.0	0.8	38	18.4	18.4	8.2	8.2	29.3	29.3	115.5	115.5	9.1	9.0	12.8	15.3	12	11	73	75	815600	804222	<0.2	<0.2	1.3	1.3		
						1.0	0.8	41	18.4	18.4	8.2	8.2	29.3	29.3	115.4	115.5	9.1	9.0	13.0	15.3	10	11	73	75			<0.2	<0.2	1.3	1.3		
					Middle	4.2	0.8	37	18.2	18.2	8.1	8.1	29.9	29.9	113.4	113.4	8.9	8.9	15.4	15.3	11	11	75	75			<0.2	<0.2	1.2	1.4		
						4.2	0.8	40	18.2	18.2	8.1	8.1	29.9	29.9	113.3	113.4	8.9	8.9	15.4	15.3	11	11	75	75			<0.2	<0.2	1.2	1.4		
					Bottom	7.4	0.7	36	18.1	18.1	8.1	8.1	30.0	30.0	112.3	112.3	8.9	8.9	17.5	17.5	13	11	77	77			<0.2	<0.2	1.4	1.4		
						7.4	0.7	39	18.1	18.1	8.1	8.1	30.0	30.0	112.3	112.3	8.9	8.9	17.6	17.6	11	11	77	77			<0.2	<0.2	1.4	1.4		
C2	Cloudy	Moderate	09:30	11.8	Surface	1.0	0.7	341	19.2	19.2	8.2	8.2	27.2	27.2	113.5	113.5	8.9	8.8	11.2	16.0	8	9	73	74	825678	806974	<0.2	<0.2	2.6	2.5		
						1.0	0.7	353	19.2	19.2	8.2	8.2	27.2	27.2	113.5	113.5	8.9	8.8	11.2	16.0	8	9	72	74			<0.2	<0.2	2.3	2.3		
					Middle	5.9	0.5	352	19.0	19.0	8.2	8.2	27.4	27.4	108.8	108.8	8.6	8.6	16.0	16.0	8	9	74	74			<0.2	<0.2	2.4	2.4		
						5.9	0.6	324	19.0	19.0	8.2	8.2	27.4	27.4	108.8	108.8	8.6	8.6	16.0	16.0	9	9	74	75			<0.2	<0.2	2.7	2.7		
					Bottom	10.8	0.4	30	18.9	18.9	8.2	8.2	27.9	27.9	107.7	107.7	8.5	8.5	29.6	29.6	8	8	75	75			<0.2	<0.2	2.7	2.7		
						10.8	0.4	32	18.9	18.9	8.2	8.2	27.9	27.9	107.7	107.7	8.5	8.5	29.2	29.2	10	10	75	75			<0.2	<0.2	2.5	2.5		
C3	Cloudy	Moderate	07:37	11.4	Surface	1.0	0.6	255	18.8	18.8	8.2	8.2	29.1	29.1	111.0	111.0	8.7	8.7	5.6	6.1	5	5	73	75	822127	817814	<0.2	<0.2	1.3	1.3		
						1.0	0.6	259	18.8	18.8	8.2	8.2	29.1	29.1	111.0	111.0	8.7	8.7	5.6	6.1	4	5	73	75			<0.2	<0.2	1.4	1.4		
					Middle	5.7	0.6	258	18.7	18.7	8.3	8.3	29.4	29.4	111.1	111.1	8.7	8.7	6.1	6.1	4	5	75	75			<0.2	<0.2	1.3	1.3		
						5.7	0.6	277	18.7	18.7	8.3	8.3	29.4	29.4	111.1	111.1	8.7	8.7	6.1	6.1	5	5	76	76			<0.2	<0.2	1.4	1.4		
					Bottom	10.4	0.4	268	18.7	18.7	8.3	8.3	29.5	29.5	108.8	108.8	8.5	8.5	9.3	9.3	6	6	77	77			<0.2	<0.2	1.3	1.3		
						10.4	0.5	280	18.7	18.7	8.3	8.3	29.5	29.5	108.8	108.8	8.5	8.5	9.3	9.3	5	5	77	77			<0.2	<0.2	1.2	1.2		
IM1	Cloudy	Moderate	08:57	7.6	Surface	1.0	0.8	20	18.4	18.4	8.2	8.2	29.4	29.4	113.9	113.9	9.0	9.0	8.7	8.8	10	13	74	74	818380	806481	<0.2	<0.2	1.2	1.3		
						1.0	0.8	20	18.4	18.4	8.2	8.2	29.4	29.4	113.9	113.9	9.0	9.0	8.8	8.8	8	13	74	75			<0.2	<0.2	1.3	1.3		
					Middle	3.8	0.7	14	18.4	18.4	8.2	8.2	29.5	29.5	112.9	112.9	8.9	8.9	11.8	11.9	12	13	75	75			<0.2	<0.2	1.4	1.4		
						3.8	0.7	14	18.4	18.4	8.2	8.2	29.5	29.5	112.9	112.9	8.9	8.9	11.9	11.9	13	13	75	75			<0.2	<0.2	1.3	1.3		
					Bottom	6.6	0.5	354	18.2	18.2	8.2	8.2	30.2	30.2	111.5	111.5	8.8	8.8	19.7	19.7	17	17	77	77			<0.2	<0.2	1.3	1.3		
						6.6	0.5	326	18.2	18.2	8.2	8.2	30.2	30.2	111.5	111.5	8.8	8.8	19.5	19.5	15	15	78	78			<0.2	<0.2	1.3	1.3		
IM2	Cloudy	Moderate	09:02	8.2	Surface	1.0	0.8	20	18.5	18.5	8.2	8.2	29.3	29.3	113.6	113.6	8.9	8.9	10.5	10.6	10	15	73	74	818866	806179	<0.2	<0.2	1.4	1.3		
						1.0	0.8	21	18.5	18.5	8.2	8.2	29.3	29.3	113.6	113.6	8.9	8.9	10.6	10.6	11	14	74	76			<0.2	<0.2	1.4	1.4		
					Middle	4.1	0.7	21	18.4	18.4	8.2	8.2	29.3	29.3	112.3	112.3	8.9	8.9	17.4	17.5	13	14	76	76			<0.2	<0.2	1.2	1.2		
						4.1	0.8	21	18.4	18.4	8.2	8.2	29.3	29.3	112.3	112.3	8.9	8.9	17.5	17.5	14	14	76	76			<0.2	<0.2	1.4	1.4		
					Bottom	7.2	0.6	20	18.4	18.4	8.2	8.2	29.3	29.3	109.7	109.7	8.6	8.6	22.5	22.5	21	22	78	78			<0.2	<0.2	1.3	1.3		
						7.2	0.7	20	18.4	18.4	8.2	8.2	29.3	29.3	109.6	109.6	8.6	8.6	22.9	22.9	22	22	78	78			<0.2	<0.2	1.3	1.3		
IM3	Cloudy	Moderate	09:08	8.4	Surface	1.0	0.6	20	18.5	18.5	8.2	8.2	29.2	29.2	112.3	112.3	8.8	8.8	13.3	13.4	11	17	74	74	819406	806005	<0.2	<0.2	1.4	1.4		
						1.0	0.6	21	18.5	18.5	8.2	8.2	29.2	29.2	112.3	112.3	8.8	8.8	13.4	13.4	12	17	74	76			<0.2	<0.2	1.3	1.3		
					Middle	4.2	0.6	23	18.5	18.5	8.2	8.2	29.2	29.2	111.4	111.4	8.8	8.8	16.6	16.6	16	15	76	76			<0.2	<0.2	1.4	1.4		
						4.2	0.6	25	18.5	18.5	8.2	8.2	29.2	29.2	111.3	111.3	8.8	8.8	16.6	16.6	15	15	76	76			<0.2	<0.2	1.4	1.4		
					Bottom	7.4	0.5	19	18.5	18.5	8.2	8.2	29.2	29.2	109.7	109.7	8.6	8.6	22.1	22.1	25	25	78	78			<0.2	<0.2	1.4	1.4		
						7.4	0.6	19	18.5	18.5	8.2	8.2	29.2	29.2	109.7	109.7	8.6	8.6	22.6	22.6	25	25	78	78			<0.2	<0.2	1.4	1.4		
IM4	Cloudy	Moderate	09:17	7.8	Surface	1.0	0.5	11	18.4	18.4	8.2	8.2	29.3	29.3	113.1	113.1	8.9	8.9	13.6	13.2	25	26	74	74	819590	805030	<0.2	<0.2	1.3	1.3		
						1.0	0.6	11	18.4	18.4	8.2	8.2	29.3	29.3	113.1	113.1	8.9	8.9	13.2	13.2	27	26	74	76			<0.2	<0.2	1.3	1.3		
					Middle	3.9	0.5	7	18.4	18.4	8.2	8.2	29.3	29.3	112.5	112.5	8.9	8.9	16.7	16.8	25	26	76	76			<0.2	<0.2	1.3	1.3		
						3.9	0.6	7	18.4	18.4	8.2	8.2	29.3	29.3	112.4	112.4	8.9	8.9	16.8	16.8	25	26	76	76			<0.2	<0.2	1.3	1.3		
					Bottom	6.8	0.4	6	18.4	18.4	8.2	8.2	29.3	29.3	111.6	111.6	8.8	8.8	22.8	22.8	26	26	78	78			<0.2	<0.2	1.3	1.3		
						6.8	0.5	6	18.4	18.4	8.2	8.2	29.3	29.3	111.6	111.6	8.8	8.8	22.9	22.9	26	26	78	78			<0.2	<0.2	1.2	1.2		
IM5	Cloudy	Moderate	09:27	7.0	Surface	1.0	0.7	15	18.5	18.5	8.2	8.2	29.2	29.2	113.8	113.8	9.0	9.0	15.9	20.8	22	26	74	74	820568	804932	<0.2	<0.2	1.6	1.7		
						1.0	0.7	15	18.5	18.5	8.2	8.2	29.2	29.2	113.8	113.8	9.0	9.0	15.8	20.8	22	26	74	76			<0.2	<0.2	1.7	1.7		
					Middle	3.5	0.8	12	18.5	18.5	8.2	8.2	29.2	29.2	113.2	113.2	8.9	8.9	20.8	20.6	24	22	76	75			<0.2	<0.2	1.5	1.5		
						3.5	0.8	13	18.5	18.5	8.2	8.2	29.2	29.2	113.2	113.2	8.9	8.9	20.6	20.6	22	22	75	75			<0.2	<0.2	1.5	1.5		
					Bottom	6.0	0.7	11	18.5	18.5	8.2	8.2	29.2	29.2	112.3	112.3	8.9	8.9	25.0	25.0	33	31	77	78			<0.2	<0.2	1.7	1.8		
						6.0	0.7	11	18.5	18.5	8.2	8.2	29.2	29.2	112.3	112.3	8.9	8.9	25.0	25.0	31	31	78									

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 03 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
IM9	Cloudy	Moderate	08:53	7.0	Surface	1.0	0.2	327	18.9	18.9	8.2	8.2	27.9	27.9	107.9	107.9	8.5	8.5	16.6	22.1	20	72	74	822110	808789	<0.2	<0.2	2.1	2.0			
						1.0	0.2	333	18.9	18.9	8.2	8.2	27.9	27.9	107.9	107.9	8.5	8.5	16.6	22.1	18	73	74	822110	808789	<0.2	<0.2	1.8	1.9			
					Middle	3.5	0.2	333	18.9	18.9	8.2	8.2	27.9	27.9	107.7	107.7	8.5	8.5	25.6	22.1	18	73	74	822110	808789	<0.2	<0.2	1.8	1.9			
						3.5	0.2	359	18.9	18.9	8.2	8.2	27.9	27.9	107.7	107.7	8.5	8.5	25.6	22.1	19	74	74	822110	808789	<0.2	<0.2	2.0	1.9			
					Bottom	6.0	0.2	341	18.9	18.9	8.2	8.2	27.9	27.9	107.7	107.7	8.5	8.5	24.0	22.1	19	74	74	822110	808789	<0.2	<0.2	2.0	1.9			
						6.0	0.2	341	18.9	18.9	8.2	8.2	27.9	27.9	107.7	107.7	8.5	8.5	24.0	22.1	21	75	75	822110	808789	<0.2	<0.2	2.0	2.0			
IM10	Cloudy	Moderate	08:46	6.7	Surface	1.0	0.6	316	18.9	18.9	8.3	8.3	28.9	28.9	110.5	110.5	8.7	8.7	15.0	19.8	13	73	75	822235	809809	<0.2	<0.2	1.4	1.5			
						1.0	0.7	330	18.9	18.9	8.3	8.3	28.9	28.9	110.5	110.5	8.7	8.7	15.0	19.8	14	73	75	822235	809809	<0.2	<0.2	1.6	1.6			
					Middle	3.4	0.6	322	18.9	18.9	8.3	8.3	28.9	28.9	109.4	109.4	8.6	8.6	22.3	22.1	12	75	75	822235	809809	<0.2	<0.2	1.6	1.5			
						3.4	0.6	323	18.9	18.9	8.3	8.3	28.9	28.9	109.4	109.4	8.6	8.6	22.3	22.1	13	75	75	822235	809809	<0.2	<0.2	1.5	1.5			
					Bottom	5.7	0.5	317	18.9	18.9	8.3	8.3	28.9	28.9	109.8	109.8	8.6	8.6	22.1	22.1	14	76	76	822235	809809	<0.2	<0.2	1.5	1.5			
						5.7	0.5	336	18.9	18.9	8.3	8.3	28.9	28.9	109.8	109.8	8.6	8.6	22.1	22.1	12	77	77	822235	809809	<0.2	<0.2	1.5	1.5			
IM11	Cloudy	Moderate	08:31	8.0	Surface	1.0	0.6	302	19.0	19.0	8.3	8.3	29.2	29.2	108.7	108.7	8.5	8.5	17.3	18.9	15	74	75	821530	810572	<0.2	<0.2	1.4	1.3			
						1.0	0.6	307	19.0	19.0	8.3	8.3	29.2	29.2	108.7	108.7	8.5	8.5	17.3	18.9	17	73	74	821530	810572	<0.2	<0.2	1.2	1.4			
					Middle	4.0	0.6	304	18.9	18.9	8.3	8.3	29.2	29.2	107.7	107.7	8.4	8.4	16.5	16.5	16	75	75	821530	810572	<0.2	<0.2	1.3	1.3			
						4.0	0.6	324	18.9	18.9	8.3	8.3	29.2	29.2	107.7	107.7	8.4	8.4	16.5	16.5	16	75	75	821530	810572	<0.2	<0.2	1.4	1.3			
					Bottom	7.0	0.5	301	19.0	19.0	8.3	8.3	29.3	29.3	106.5	106.5	8.3	8.3	22.9	22.9	41	78	78	821530	810572	<0.2	<0.2	1.3	1.3			
						7.0	0.5	311	19.0	19.0	8.3	8.3	29.3	29.3	106.5	106.5	8.3	8.3	22.9	22.9	44	77	77	821530	810572	<0.2	<0.2	1.4	1.4			
IM12	Cloudy	Moderate	08:23	7.0	Surface	1.0	0.7	282	18.8	18.8	8.3	8.3	29.3	29.3	109.9	109.9	8.6	8.6	15.5	20.6	15	73	75	821144	811498	<0.2	<0.2	1.2	1.3			
						1.0	0.8	309	18.8	18.8	8.3	8.3	29.3	29.3	109.9	109.9	8.6	8.6	15.5	20.6	14	73	75	821144	811498	<0.2	<0.2	1.3	1.3			
					Middle	3.5	0.7	282	18.8	18.8	8.3	8.3	29.3	29.3	109.6	109.6	8.6	8.6	18.2	18.2	13	75	75	821144	811498	<0.2	<0.2	1.2	1.2			
						3.5	0.7	298	18.8	18.8	8.3	8.3	29.3	29.3	109.6	109.6	8.6	8.6	18.2	18.2	14	75	75	821144	811498	<0.2	<0.2	1.2	1.2			
					Bottom	6.0	0.5	284	18.8	18.8	8.3	8.3	29.3	29.3	108.0	108.0	8.5	8.5	28.2	28.2	18	76	76	821144	811498	<0.2	<0.2	1.3	1.3			
						6.0	0.6	305	18.8	18.8	8.3	8.3	29.3	29.3	108.0	108.0	8.5	8.5	28.2	28.2	19	76	76	821144	811498	<0.2	<0.2	1.3	1.3			
SR2	Cloudy	Moderate	07:58	3.3	Surface	1.0	0.3	107	18.8	18.8	8.3	8.3	29.1	29.1	109.6	109.6	8.6	8.6	14.4	15.6	16	74	75	821456	814152	<0.2	<0.2	1.4	1.4			
						1.0	0.4	116	18.8	18.8	8.3	8.3	29.1	29.1	109.6	109.6	8.6	8.6	14.4	15.6	17	75	75	821456	814152	<0.2	<0.2	1.4	1.4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	821456	814152	<0.2	<0.2	1.4	1.4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	821456	814152	<0.2	<0.2	1.4
					Bottom	2.3	0.3	101	18.8	18.8	8.3	8.3	29.2	29.2	106.7	106.7	8.4	8.4	16.7	16.7	20	76	77	821456	814152	<0.2	<0.2	1.5	1.3			
						2.3	0.3	103	18.8	18.8	8.3	8.3	29.2	29.2	106.7	106.7	8.4	8.4	16.7	16.7	18	77	77	821456	814152	<0.2	<0.2	1.5	1.3			
SR3	Cloudy	Moderate	09:10	9.0	Surface	1.0	0.4	18	18.9	18.9	8.2	8.2	28.1	28.1	108.5	108.5	8.6	8.6	16.6	20.8	16	-	-	822165	807567	-	-	-	-			
						1.0	0.4	18	18.9	18.9	8.2	8.2	28.1	28.1	108.5	108.5	8.6	8.6	16.6	20.8	16	-	-	822165	807567	-	-	-	-			
					Middle	4.5	0.5	26	18.8	18.8	8.3	8.3	28.3	28.3	109.6	109.6	8.6	8.6	17.1	17.1	14	-	-	822165	807567	-	-	-	-			
						4.5	0.5	27	18.8	18.8	8.3	8.3	28.3	28.3	109.6	109.6	8.6	8.6	17.1	17.1	14	-	-	822165	807567	-	-	-	-			
					Bottom	8.0	0.6	15	18.7	18.7	8.3	8.3	29.7	29.7	109.5	109.5	8.6	8.6	28.8	28.8	17	-	-	822165	807567	-	-	-	-			
						8.0	0.6	15	18.7	18.7	8.3	8.3	29.7	29.7	109.5	109.5	8.6	8.6	28.8	28.8	19	-	-	822165	807567	-	-	-	-			
SR4A	Cloudy	Calm	08:16	9.0	Surface	1.0	0.1	221	19.1	19.1	8.1	8.1	29.9	29.9	109.9	109.9	8.4	8.4	5.1	5.7	7	-	-	817189	807835	-	-	-	-			
						1.0	0.1	224	19.1	19.1	8.1	8.1	29.9	29.9	109.9	109.9	8.5	8.5	5.1	5.7	7	-	-	817189	807835	-	-	-	-			
					Middle	4.5	0.0	165	19.1	19.1	8.1	8.1	29.9	29.9	109.0	109.0	8.5	8.5	6.7	6.7	6	-	-	817189	807835	-	-	-	-			
						4.5	0.0	178	19.1	19.1	8.1	8.1	29.9	29.9	109.0	109.0	8.5	8.5	6.8	6.8	6	-	-	817189	807835	-	-	-	-			
					Bottom	8.0	0.0	31	19.0	19.0	8.1	8.1	29.9	29.9	108.4	108.4	8.4	8.4	5.3	5.3	9	-	-	817189	807835	-	-	-	-			
						8.0	0.0	32	19.0	19.0	8.1	8.1	29.9	29.9	108.4	108.4	8.4	8.4	5.3	5.3	7	-	-	817189	807835	-	-	-	-			
SR5A	Cloudy	Calm	07:59	4.7	Surface	1.0	0.4	309	19.1	19.1	8.1	8.1	29.8	29.8	109.0	109.0	8.5	8.5	6.3	6.1	6	-	-	816612	810707	-	-	-	-			
						1.0	0.4	315	19.1	19.1	8.1	8.1	29.8	29.8	109.0	109.0	8.5	8.5	6.3	6.1	8	-	-	816612	810707	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816612	810707	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816612	810707	-	-	-	-	
					Bottom	3.7	0.3	320	19.1	19.1	8.2	8.2	29.9	29.9	106.8	106.8	8.3	8.3	5.9	5.9	12	-	-	816612	810707	-	-	-	-			
						3.7	0.3	328	19.1	19.1	8.2	8.2	29.9	29.9	106.																	

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 06 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	Average	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	Average			DA	Value	Average	DA	Value	Average
C1	Fine	Moderate	15:28	8.8	Surface	1.0	0.4	195	18.7	18.7	8.2	8.2	30.4	30.4	110.6	110.6	8.6	8.6	7.5	7.5	9	73	75	815601	804240	<0.2	<0.2	<0.2	0.8	0.9	0.9	
						1.0	0.4	204	18.7	18.7	8.2	8.2	30.4	30.4	110.6	110.6	8.6	8.6	7.5	7.5	8	73	75	815601	804240	<0.2	<0.2	<0.2	0.9	1.0	1.0	
						4.4	0.2	207	18.3	18.3	8.2	8.2	31.1	31.1	109.3	109.3	8.6	8.6	5.9	5.9	7	75	75	815601	804240	<0.2	<0.2	<0.2	0.9	1.0	1.0	
					Middle	4.4	0.2	211	18.3	18.3	8.2	8.2	31.1	31.1	109.3	109.3	8.5	8.5	5.9	5.9	8	75	75	815601	804240	<0.2	<0.2	<0.2	0.8	0.9	0.9	
						7.8	0.1	207	18.1	18.1	8.2	8.2	31.2	31.2	108.3	108.3	8.5	8.5	6.2	6.2	7	77	77	815601	804240	<0.2	<0.2	<0.2	0.8	0.8	0.8	
						7.8	0.1	222	18.1	18.1	8.2	8.2	31.2	31.2	108.2	108.2	8.5	8.5	6.2	6.2	8	77	77	815601	804240	<0.2	<0.2	<0.2	0.8	0.8	0.8	
C2	Fine	Rough	14:08	12.4	Surface	1.0	0.1	221	20.2	20.2	8.2	8.2	27.3	27.3	108.5	108.5	8.4	8.4	11.9	12	12	73	74	825663	806972	<0.2	<0.2	<0.2	2.1	2.2	2.2	
						1.0	0.1	225	20.2	20.2	8.2	8.2	27.3	27.3	108.5	108.5	8.4	8.4	11.9	12	12	73	74	825663	806972	<0.2	<0.2	<0.2	2.2	2.2	2.2	
						6.2	0.1	340	20.1	20.1	8.3	8.3	28.2	28.2	108.6	108.6	8.4	8.4	10.7	10.7	13	74	74	825663	806972	<0.2	<0.2	<0.2	2.1	1.9	1.9	
					Middle	6.2	0.1	350	20.1	20.1	8.3	8.3	28.2	28.2	108.6	108.6	8.4	8.4	10.7	10.7	13	74	74	825663	806972	<0.2	<0.2	<0.2	2.1	1.9	1.9	
						11.4	0.2	340	20.1	20.1	8.3	8.3	28.3	28.3	108.0	108.0	8.3	8.3	10.2	10.2	12	75	75	825663	806972	<0.2	<0.2	<0.2	1.9	1.9	1.9	
						11.4	0.2	313	20.1	20.1	8.3	8.3	28.3	28.3	108.0	108.0	8.3	8.3	10.2	10.2	12	75	75	825663	806972	<0.2	<0.2	<0.2	1.9	1.9	1.9	
C3	Fine	Moderate	16:26	12.0	Surface	1.0	0.3	45	19.4	19.4	8.2	8.2	29.4	29.4	102.0	102.0	7.9	7.9	6.0	6	6	73	75	822127	817780	<0.2	<0.2	<0.2	1.3	1.2	1.2	
						1.0	0.3	49	19.4	19.4	8.2	8.2	29.4	29.4	102.0	102.0	7.9	7.9	6.0	6	6	73	74	822127	817780	<0.2	<0.2	<0.2	1.2	1.3	1.3	
						6.0	0.3	84	19.1	19.1	8.2	8.2	29.8	29.8	99.2	99.2	7.7	7.7	5.6	5.6	7	74	74	822127	817780	<0.2	<0.2	<0.2	1.2	1.3	1.3	
					Middle	6.0	0.3	90	19.1	19.1	8.2	8.2	29.8	29.8	99.2	99.2	7.7	7.7	5.6	5.6	6	75	75	822127	817780	<0.2	<0.2	<0.2	1.2	1.2	1.2	
						11.0	0.4	115	18.9	18.9	8.1	8.1	30.0	30.0	98.8	98.8	7.7	7.7	6.6	6.6	9	77	77	822127	817780	<0.2	<0.2	<0.2	1.2	1.2	1.2	
						11.0	0.4	119	18.9	18.9	8.1	8.1	30.0	30.0	98.8	98.8	7.7	7.7	6.6	6.6	8	77	77	822127	817780	<0.2	<0.2	<0.2	1.2	1.2	1.2	
IM1	Fine	Rough	15:09	7.8	Surface	1.0	0.4	250	19.0	19.0	8.2	8.2	30.4	30.4	108.6	108.6	8.4	8.4	10.8	12	12	73	75	818362	806467	<0.2	<0.2	<0.2	1.5	1.0	1.0	
						1.0	0.4	250	19.0	19.0	8.2	8.2	30.4	30.4	108.6	108.6	8.4	8.4	10.8	10.8	12	73	73	818362	806467	<0.2	<0.2	<0.2	1.0	1.0	1.0	
						3.9	0.3	234	18.8	18.8	8.2	8.2	30.6	30.6	107.6	107.6	8.4	8.4	10.3	10.3	12	75	75	818362	806467	<0.2	<0.2	<0.2	1.0	0.9	0.9	
					Middle	3.9	0.3	249	18.8	18.8	8.2	8.2	30.6	30.6	107.6	107.6	8.4	8.4	10.3	10.3	12	75	75	818362	806467	<0.2	<0.2	<0.2	1.0	0.9	0.9	
						6.8	0.1	179	18.5	18.5	8.2	8.2	30.8	30.8	105.9	105.9	8.3	8.3	9.5	9.5	11	77	77	818362	806467	<0.2	<0.2	<0.2	1.1	1.1	1.1	
						6.8	0.1	195	18.5	18.5	8.2	8.2	30.8	30.8	105.8	105.8	8.3	8.3	9.5	9.5	12	77	77	818362	806467	<0.2	<0.2	<0.2	0.9	0.9	0.9	
IM2	Fine	Rough	15:01	8.6	Surface	1.0	0.5	255	19.1	19.1	8.2	8.2	30.2	30.2	109.1	109.1	8.5	8.5	10.1	11	11	74	75	818860	806171	<0.2	<0.2	<0.2	1.0	1.1	1.1	
						1.0	0.6	274	19.1	19.1	8.2	8.2	30.2	30.2	109.1	109.1	8.5	8.5	10.2	10.2	11	73	73	818860	806171	<0.2	<0.2	<0.2	1.1	1.1	1.1	
						4.3	0.2	264	19.0	19.0	8.2	8.2	30.3	30.3	107.6	107.6	8.3	8.3	10.3	10.3	12	75	75	818860	806171	<0.2	<0.2	<0.2	1.0	1.1	1.1	
					Middle	4.3	0.3	268	19.0	19.0	8.2	8.2	30.3	30.3	107.5	107.5	8.3	8.3	10.3	10.3	12	75	75	818860	806171	<0.2	<0.2	<0.2	1.0	1.0	1.0	
						7.6	0.1	199	18.5	18.5	8.2	8.2	30.8	30.8	104.6	104.6	8.2	8.2	10.7	10.7	15	77	77	818860	806171	<0.2	<0.2	<0.2	1.0	1.0	1.0	
						7.6	0.1	217	18.5	18.5	8.2	8.2	30.8	30.8	104.5	104.5	8.2	8.2	10.7	10.7	14	77	77	818860	806171	<0.2	<0.2	<0.2	1.0	1.0	1.0	
IM3	Fine	Rough	14:53	8.6	Surface	1.0	0.2	236	19.0	19.0	8.2	8.2	30.4	30.4	109.3	109.3	8.5	8.5	10.3	10	10	73	75	819389	806003	<0.2	<0.2	<0.2	1.1	1.0	1.0	
						1.0	0.2	238	19.0	19.0	8.2	8.2	30.4	30.4	109.3	109.3	8.5	8.5	10.2	10.2	10	73	73	819389	806003	<0.2	<0.2	<0.2	1.0	1.0	1.0	
						4.3	0.0	172	18.8	18.8	8.2	8.2	30.5	30.5	107.7	107.7	8.4	8.4	10.7	10.7	13	75	75	819389	806003	<0.2	<0.2	<0.2	1.0	1.0	1.0	
					Middle	4.3	0.0	173	18.8	18.8	8.2	8.2	30.5	30.5	107.6	107.6	8.4	8.4	10.8	10.8	12	75	75	819389	806003	<0.2	<0.2	<0.2	1.1	1.1	1.1	
						7.6	0.1	107	18.6	18.6	8.2	8.2	30.7	30.7	106.2	106.2	8.3	8.3	10.2	10.2	14	77	77	819389	806003	<0.2	<0.2	<0.2	0.8	0.8	0.8	
						7.6	0.1	110	18.6	18.6	8.2	8.2	30.7	30.7	106.1	106.1	8.3	8.3	10.0	10.0	14	77	77	819389	806003	<0.2	<0.2	<0.2	0.9	0.9	0.9	
IM4	Fine	Rough	14:43	8.1	Surface	1.0	0.2	242	18.5	18.5	8.2	8.2	30.7	30.7	107.0	107.0	8.4	8.4	10.3	11	11	73	75	819586	805045	<0.2	<0.2	<0.2	1.0	0.9	0.9	
						1.0	0.3	252	18.5	18.5	8.2	8.2	30.7	30.7	107.0	107.0	8.4	8.4	10.3	10.3	10	74	74	819586	805045	<0.2	<0.2	<0.2	1.0	0.9	0.9	
						4.1	0.2	229	18.5	18.5	8.2	8.2	30.7	30.7	106.2	106.2	8.3	8.3	10.1	10.1	12	75	75	819586	805045	<0.2	<0.2	<0.2	1.0	0.9	0.9	
					Middle	4.1	0.2	229	18.5	18.5	8.2	8.2	30.7	30.7	106.1	106.1	8.3	8.3	10.2	10.2	12	76	76	819586	805045	<0.2	<0.2	<0.2	1.0	0.9	0.9	
						7.1	0.2	265	18.5	18.5	8.2	8.2	30.7	30.7	104.5	104.5	8.2	8.2	10.8	10.8	12	77	77	819586	805045	<0.2	<0.2	<0.2	1.0	1.0	1.0	
						7.1	0.3	266	18.5	18.5	8.2	8.2	30.7	30.7	104.5	104.5	8.2	8.2	10.8	10.8	13	77	77	819586	805045	<0.2	<0.2	<0.2	1.0	1.0	1.0	
IM5	Fine	Rough	14:32	7.4	Surface	1.0	0.1	296	18.7	18.7	8.2	8.2	30.5	30.5	107.8	107.8	8.															



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 06 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	Average	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	Average	DA
C1	Fine	Rough	10:04	8.5	Surface	1.0	0.3	30	18.7	18.7	8.2	8.2	30.4	30.4	110.9	110.9	8.6	8.6	11.2	13.7	15	17	75	76	815647	804221	<0.2	<0.2	<0.2	1.1	1.1	1.1
						1.0	0.3	32	18.7	18.7	8.2	8.2	30.4	30.4	110.9	110.9	8.6	8.6	11.2	13.7	14	17	74	76	815647	804221	<0.2	<0.2	<0.2	1.0	1.0	1.0
						4.3	0.5	34	18.3	18.3	8.2	8.2	31.1	31.1	109.9	109.9	8.6	8.6	13.6	13.6	19	17	75	76	815647	804221	<0.2	<0.2	<0.2	1.2	1.2	1.2
					Middle	4.3	0.6	36	18.3	18.3	8.2	8.2	31.1	31.1	109.9	109.9	8.6	8.6	13.6	13.6	19	17	75	76	815647	804221	<0.2	<0.2	<0.2	1.1	1.1	1.1
						7.5	0.4	40	18.1	18.1	8.2	8.2	31.2	31.2	109.2	109.2	8.6	8.6	16.1	16.1	18	17	77	76	815647	804221	<0.2	<0.2	<0.2	1.2	1.2	1.2
						7.5	0.4	40	18.1	18.1	8.2	8.2	31.2	31.2	109.2	109.2	8.6	8.6	16.2	16.2	18	17	77	76	815647	804221	<0.2	<0.2	<0.2	1.0	1.0	1.0
C2	Fine	Rough	10:52	12.2	Surface	1.0	0.6	330	20.1	20.1	8.1	8.1	27.0	27.0	105.9	105.9	8.2	8.2	17.3	20.1	13	16	73	74	825710	806973	<0.2	<0.2	<0.2	2.0	2.0	2.0
						1.0	0.7	342	20.1	20.1	8.1	8.1	27.0	27.0	106.0	106.0	8.2	8.2	17.3	20.1	14	16	72	74	825710	806973	<0.2	<0.2	<0.2	2.1	2.1	2.1
						6.1	0.5	343	20.0	20.0	8.1	8.1	27.1	27.1	105.0	105.0	8.1	8.1	19.6	19.6	15	16	73	74	825710	806973	<0.2	<0.2	<0.2	2.1	2.1	2.1
					Middle	6.1	0.6	354	20.0	20.0	8.1	8.1	27.1	27.1	105.0	105.0	8.1	8.1	19.6	19.6	15	16	74	74	825710	806973	<0.2	<0.2	<0.2	2.3	2.3	2.3
						11.2	0.4	340	20.0	20.0	8.1	8.1	27.1	27.1	104.7	104.7	8.1	8.1	23.5	23.5	20	19	75	75	825710	806973	<0.2	<0.2	<0.2	2.1	2.1	2.1
						11.2	0.4	351	20.0	20.0	8.1	8.1	27.1	27.1	104.7	104.7	8.1	8.1	23.5	23.5	19	19	75	75	825710	806973	<0.2	<0.2	<0.2	2.2	2.2	2.2
C3	Fine	Moderate	09:03	11.3	Surface	1.0	0.8	276	19.7	19.7	8.2	8.2	28.7	28.7	103.8	103.8	8.0	8.0	6.2	8.2	6	6	73	75	822118	817809	<0.2	<0.2	<0.2	1.6	1.6	1.6
						1.0	0.9	279	19.7	19.7	8.2	8.2	28.7	28.7	103.8	103.8	8.0	8.0	6.2	6.2	5	6	73	75	822118	817809	<0.2	<0.2	<0.2	1.6	1.6	1.6
						5.7	0.7	270	19.4	19.4	8.2	8.2	29.3	29.3	101.7	101.7	7.9	7.9	9.0	9.0	6	6	75	75	822118	817809	<0.2	<0.2	<0.2	1.4	1.4	1.4
					Middle	5.7	0.7	278	19.4	19.4	8.2	8.2	29.3	29.3	101.7	101.7	7.9	7.9	9.0	9.0	5	6	75	75	822118	817809	<0.2	<0.2	<0.2	1.4	1.4	1.4
						10.3	0.5	271	19.3	19.3	8.1	8.1	29.4	29.4	101.7	101.7	7.9	7.9	9.3	9.3	5	6	77	77	822118	817809	<0.2	<0.2	<0.2	1.4	1.4	1.4
						10.3	0.5	295	19.3	19.3	8.1	8.1	29.4	29.4	101.7	101.7	7.9	7.9	9.3	9.3	6	6	77	77	822118	817809	<0.2	<0.2	<0.2	1.5	1.5	1.5
IM1	Fine	Rough	10:27	7.6	Surface	1.0	0.6	355	19.0	19.0	8.2	8.2	30.4	30.4	109.0	109.0	8.5	8.5	11.2	15.9	18	19	74	76	818359	806433	<0.2	<0.2	<0.2	1.8	1.8	1.8
						1.0	0.6	327	19.0	19.0	8.2	8.2	30.4	30.4	109.0	109.0	8.5	8.5	11.3	11.3	16	19	74	74	818359	806433	<0.2	<0.2	<0.2	1.1	1.1	1.1
						3.8	0.6	356	18.9	18.9	8.2	8.2	30.4	30.4	108.6	108.6	8.4	8.4	16.5	16.5	19	19	75	75	818359	806433	<0.2	<0.2	<0.2	1.4	1.4	1.4
					Middle	3.8	0.6	328	18.9	18.9	8.2	8.2	30.4	30.4	108.6	108.6	8.4	8.4	16.6	16.6	18	19	76	76	818359	806433	<0.2	<0.2	<0.2	1.5	1.5	1.5
						6.6	0.5	1	18.6	18.6	8.2	8.2	30.7	30.7	107.9	107.9	8.4	8.4	19.8	19.8	23	23	77	77	818359	806433	<0.2	<0.2	<0.2	1.2	1.2	1.2
						6.6	0.5	1	18.6	18.6	8.2	8.2	30.7	30.7	107.9	107.9	8.4	8.4	19.8	19.8	21	21	77	77	818359	806433	<0.2	<0.2	<0.2	1.2	1.2	1.2
IM2	Fine	Rough	10:36	8.2	Surface	1.0	0.6	12	19.0	19.0	8.2	8.2	30.2	30.2	109.5	109.5	8.5	8.5	13.2	17.0	19	20	73	76	818825	806217	<0.2	<0.2	<0.2	1.4	1.4	1.4
						1.0	0.6	12	19.0	19.0	8.2	8.2	30.2	30.2	109.5	109.5	8.5	8.5	13.3	13.3	19	20	74	74	818825	806217	<0.2	<0.2	<0.2	1.3	1.3	1.3
						4.1	0.4	13	18.9	18.9	8.2	8.2	30.4	30.4	108.8	108.8	8.4	8.4	17.7	17.7	18	19	76	76	818825	806217	<0.2	<0.2	<0.2	1.2	1.2	1.2
					Middle	4.1	0.4	13	18.9	18.9	8.2	8.2	30.4	30.4	108.8	108.8	8.4	8.4	17.7	17.7	18	19	76	76	818825	806217	<0.2	<0.2	<0.2	1.2	1.2	1.2
						7.2	0.5	5	18.5	18.5	8.2	8.2	30.7	30.7	107.9	107.9	8.4	8.4	20.1	20.1	24	24	78	78	818825	806217	<0.2	<0.2	<0.2	1.2	1.2	1.2
						7.2	0.6	5	18.5	18.5	8.2	8.2	30.7	30.7	107.9	107.9	8.4	8.4	20.2	20.2	22	22	78	78	818825	806217	<0.2	<0.2	<0.2	1.4	1.4	1.4
IM3	Fine	Rough	10:41	8.4	Surface	1.0	0.3	2	19.0	19.0	8.2	8.2	30.4	30.4	109.7	109.7	8.5	8.5	16.5	19.2	23	25	74	76	819405	806046	<0.2	<0.2	<0.2	1.2	1.2	1.2
						1.0	0.3	2	19.0	19.0	8.2	8.2	30.4	30.4	109.7	109.7	8.5	8.5	16.6	16.6	22	25	74	74	819405	806046	<0.2	<0.2	<0.2	1.1	1.1	1.1
						4.2	0.5	38	18.9	18.9	8.2	8.2	30.5	30.5	109.0	109.0	8.5	8.5	18.4	18.4	25	25	76	76	819405	806046	<0.2	<0.2	<0.2	1.1	1.1	1.1
					Middle	4.2	0.5	40	18.9	18.9	8.2	8.2	30.5	30.5	109.0	109.0	8.5	8.5	18.9	18.9	25	25	76	76	819405	806046	<0.2	<0.2	<0.2	1.3	1.3	1.3
						7.4	0.4	35	18.6	18.6	8.2	8.2	30.6	30.6	108.3	108.3	8.4	8.4	22.4	22.4	27	27	78	78	819405	806046	<0.2	<0.2	<0.2	1.2	1.2	1.2
						7.4	0.4	37	18.6	18.6	8.2	8.2	30.6	30.6	108.4	108.4	8.4	8.4	22.3	22.3	26	26	78	78	819405	806046	<0.2	<0.2	<0.2	1.2	1.2	1.2
IM4	Fine	Rough	10:49	7.8	Surface	1.0	0.5	358	18.5	18.5	8.2	8.2	30.7	30.7	107.6	107.6	8.4	8.4	16.1	18.4	13	15	74	76	819544	805025	<0.2	<0.2	<0.2	1.4	1.4	1.4
						1.0	0.6	329	18.5	18.5	8.2	8.2	30.7	30.7	107.6	107.6	8.4	8.4	16.0	16.0	13	15	74	74	819544	805025	<0.2	<0.2	<0.2	1.2	1.2	1.2
						3.9	0.6	4	18.5	18.5	8.2	8.2	30.7	30.7	107.2	107.2	8.4	8.4	18.7	18.7	16	16	76	76	819544	805025	<0.2	<0.2	<0.2	1.2	1.2	1.2
					Middle	3.9	0.6	4	18.5	18.5	8.2	8.2	30.7	30.7	107.2	107.2	8.4	8.4	18.8	18.8	15	15	76	76	819544	805025	<0.2	<0.2	<0.2	1.3	1.3	1.3
						6.8	0.4	6	18.5	18.5	8.2	8.2	30.7	30.7	106.9	106.9	8.4	8.4	20.3	20.3	15	15	77	77	819544	805025	<0.2	<0.2	<0.2	1.2	1.2	1.2
						6.8	0.4	6	18.5	18.5	8.2	8.2	30.7	30.7	106.9	106.9																

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 06 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	Average	DA	Value	Average	DA	Value	Average	DA	
IM9	Fine	Moderate	10:16	7.0	Surface	1.0	0.5	314	19.9	19.9	8.2	8.2	28.0	28.0	107.0	107.0	8.3	8.3	19.8	19.8	12	12	73	73	822109	808839	<0.2	<0.2	<0.2	2.0	2.0	1.9						
						1.0	0.5	329	19.9	19.9	8.2	8.2	28.0	28.0	107.0	107.0	8.3	8.3	19.9	19.9	12	12	73	73			<0.2	<0.2	<0.2	2.0	2.0	1.9						
						3.5	0.4	324	19.9	19.9	8.2	8.2	28.0	28.0	106.9	106.9	8.3	8.3	18.8	18.8	11	11	74	74			<0.2	<0.2	<0.2	2.0	2.0	1.9						
					Middle	3.5	0.4	352	19.9	19.9	8.2	8.2	28.0	28.0	106.9	106.9	8.3	8.3	18.8	18.8	11	11	73	73			<0.2	<0.2	<0.2	1.9	1.9	1.9						
						6.0	0.4	337	19.9	19.9	8.2	8.2	28.0	28.0	106.0	106.0	8.2	8.2	22.5	22.5	17	17	76	76			<0.2	<0.2	<0.2	1.9	1.9	1.9						
						6.0	0.4	345	19.9	19.9	8.2	8.2	28.0	28.0	106.0	106.0	8.2	8.2	22.5	22.5	17	17	75	75			<0.2	<0.2	<0.2	1.8	1.8	1.8						
IM10	Fine	Moderate	10:09	7.4	Surface	1.0	0.8	306	19.9	19.9	8.2	8.2	28.7	28.7	106.2	106.2	8.2	8.2	19.2	19.2	11	11	73	73	822263	809815	<0.2	<0.2	<0.2	1.6	1.6	1.6						
						1.0	0.8	318	19.9	19.9	8.2	8.2	28.7	28.7	106.2	106.2	8.2	8.2	19.2	19.2	11	11	73	73			<0.2	<0.2	<0.2	1.6	1.6	1.6						
						3.7	0.7	309	19.9	19.9	8.2	8.2	28.7	28.7	105.7	105.7	8.1	8.1	19.7	19.7	10	10	75	75			<0.2	<0.2	<0.2	1.6	1.6	1.6						
					Middle	3.7	0.7	316	19.9	19.9	8.2	8.2	28.7	28.7	105.7	105.7	8.1	8.1	19.7	19.7	10	10	75	75			<0.2	<0.2	<0.2	1.6	1.6	1.6						
						6.4	0.6	312	19.9	19.9	8.2	8.2	28.7	28.7	105.0	105.0	8.1	8.1	22.3	22.3	17	17	76	76			<0.2	<0.2	<0.2	1.5	1.5	1.5						
						6.4	0.7	327	19.9	19.9	8.2	8.2	28.7	28.7	105.0	105.0	8.1	8.1	22.3	22.3	18	18	76	76			<0.2	<0.2	<0.2	1.7	1.7	1.7						
IM11	Fine	Moderate	09:54	7.6	Surface	1.0	0.8	289	20.0	20.0	8.2	8.2	28.7	28.7	105.9	105.9	8.1	8.1	18.2	18.2	12	12	73	73	821519	810561	<0.2	<0.2	<0.2	1.6	1.6	1.7						
						1.0	0.8	302	20.0	20.0	8.2	8.2	28.7	28.7	105.9	105.9	8.1	8.1	18.2	18.2	12	12	73	73			<0.2	<0.2	<0.2	1.7	1.7	1.7						
						3.8	0.6	290	20.0	20.0	8.2	8.2	28.7	28.7	105.3	105.3	8.1	8.1	19.0	19.0	10	10	75	75			<0.2	<0.2	<0.2	1.8	1.8	1.7						
					Middle	3.8	0.6	290	20.0	20.0	8.2	8.2	28.7	28.7	105.3	105.3	8.1	8.1	19.0	19.0	11	11	75	75			<0.2	<0.2	<0.2	1.7	1.7	1.7						
						6.6	0.6	298	20.0	20.0	8.2	8.2	28.7	28.7	104.6	104.6	8.0	8.0	17.1	17.1	16	16	77	77			<0.2	<0.2	<0.2	1.5	1.5	1.5						
						6.6	0.6	298	20.0	20.0	8.2	8.2	28.7	28.7	104.6	104.6	8.0	8.0	17.1	17.1	17	17	77	77			<0.2	<0.2	<0.2	1.6	1.6	1.6						
IM12	Fine	Moderate	09:48	7.6	Surface	1.0	0.9	276	19.8	19.8	8.2	8.2	28.5	28.5	105.9	105.9	8.2	8.2	16.7	16.7	13	13	73	73	821151	811515	<0.2	<0.2	<0.2	1.6	1.6	1.7						
						1.0	0.9	292	19.8	19.8	8.2	8.2	28.5	28.5	105.9	105.9	8.2	8.2	16.7	16.7	13	13	74	74			<0.2	<0.2	<0.2	1.5	1.5	1.5						
						3.8	0.8	281	19.8	19.8	8.2	8.2	28.7	28.7	105.3	105.3	8.1	8.1	19.3	19.3	13	13	75	75			<0.2	<0.2	<0.2	1.7	1.7	1.7						
					Middle	3.8	0.8	281	19.8	19.8	8.2	8.2	28.7	28.7	105.3	105.3	8.1	8.1	19.3	19.3	12	12	75	75			<0.2	<0.2	<0.2	1.6	1.6	1.6						
						6.6	0.6	284	19.8	19.8	8.2	8.2	28.7	28.7	105.0	105.0	8.1	8.1	18.1	18.1	20	20	77	77			<0.2	<0.2	<0.2	1.9	1.9	1.9						
						6.6	0.6	287	19.8	19.8	8.2	8.2	28.7	28.7	105.0	105.0	8.1	8.1	18.1	18.1	21	21	76	76			<0.2	<0.2	<0.2	1.6	1.6	1.6						
SR2	Fine	Moderate	09:22	4.3	Surface	1.0	0.1	188	19.7	19.7	8.2	8.2	28.6	28.6	104.5	104.5	8.1	8.1	16.2	16.2	15	15	74	74	821449	814172	<0.2	<0.2	<0.2	1.7	1.7	1.7						
						1.0	0.1	192	19.7	19.7	8.2	8.2	28.6	28.6	104.5	104.5	8.1	8.1	16.2	16.2	15	15	75	75			<0.2	<0.2	<0.2	1.7	1.7	1.7						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-	-
						3.3	0.2	136	19.7	19.7	8.2	8.2	28.7	28.7	104.0	104.0	8.0	8.0	22.0	22.0	18	18	77	77			<0.2	<0.2	<0.2	1.7	1.7	1.7						
						3.3	0.2	148	19.7	19.7	8.2	8.2	28.7	28.7	104.0	104.0	8.0	8.0	22.0	22.0	18	18	77	77			<0.2	<0.2	<0.2	1.6	1.6	1.6						
SR3	Fine	Rough	10:32	9.1	Surface	1.0	0.5	335	20.0	20.0	8.3	8.3	27.8	27.8	106.5	106.5	8.2	8.2	17.3	17.3	11	11	-	-	822149	807566	-	-	-	-	-	-						
						1.0	0.6	308	20.0	20.0	8.3	8.3	27.8	27.8	106.5	106.5	8.2	8.2	17.3	17.3	10	10	-	-			-	-	-	-								
						4.6	0.6	344	19.9	19.9	8.3	8.3	27.9	27.9	106.2	106.2	8.2	8.2	18.2	18.2	14	14	-	-			-	-	-	-								
					Middle	4.6	0.6	357	19.9	19.9	8.3	8.3	27.9	27.9	106.2	106.2	8.2	8.2	18.2	18.2	13	13	-	-			-	-	-	-								
						8.1	0.5	357	19.9	19.9	8.3	8.3	28.0	28.0	105.7	105.7	8.2	8.2	23.2	23.2	15	15	-	-			-	-	-	-								
						8.1	0.5	328	19.9	19.9	8.3	8.3	28.0	28.0	105.7	105.7	8.2	8.2	23.2	23.2	14	14	-	-			-	-	-	-								
SR4A	Cloudy	Calm	09:41	9.1	Surface	1.0	0.4	229	19.1	19.1	8.2	8.2	30.5	30.5	110.2	110.2	8.5	8.5	8.2	8.2	11	11	-	-	817168	807826	-	-	-	-	-	-						
						1.0	0.4	243	19.1	19.1	8.2	8.2	30.5	30.5	110.2	110.2	8.5	8.5	8.2	8.2	10	10	-	-			-	-										
						4.6	0.2	247	18.7	18.7	8.2	8.2	30.8	30.8	108.8	108.8	8.5	8.5	9.4	9.4	12	12	-	-			-	-										
					Middle	4.6	0.3	258	18.7	18.7	8.2	8.2	30.8	30.8	108.8	108.8	8.5	8.5	9.5	9.5	13	13	-	-			-	-										
						8.1	0.2	241	18.4	18.4	8.2	8.2	31.0	31.0	107.8	107.8	8.4	8.4	10.6	10.6	12	12	-	-			-	-										
						8.1	0.2	260	18.4	18.4	8.2	8.2	31.0	31.0	107.9	107.9	8.4	8.4	10.6	10.6	11	11	-	-			-	-										
SR5A	Cloudy	Calm	09:26	4.5	Surface	1.0	0.4	296	20.2	20.2	8.2	8.2	29.6	29.6	104.8	104.8	8.0	8.0	10.1	10.1	13	13	-	-	816618	810714	-	-	-	-	-	-						
						1.0	0.4	323	20.2	20.2	8.2	8.2	29.6	29.6	104.8	104.8	8.0	8.0	10.0	10.0	12	12	-	-			-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-		
						3.5	0.3	302	20.1	20.1	8.2	8.2	29.6	29.6	104.5	104.5	8.0	8.0	9.9	9.9	15	15	-	-			-	-										
						3.5	0.4	304	20.1	20.1	8.2	8.2	29.6	29.6	104.5	104.5	8.0	8.0																				

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 08 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Rough	16:49	8.6	Surface	1.0	0.2	155	18.2	8.2	8.2	30.9	30.9	106.2	106.2	8.3	8.3	3.7	3.7	3	71	73	815604	804240	<0.2	1.2	1.1	1.1		
						1.0	0.2	166	18.2	8.2	8.2	30.9	30.9	106.2	106.2	8.3	8.3	3.7	3.7	4	72	73	<0.2	1.2	1.1	1.1				
						4.3	0.2	141	18.2	8.2	8.2	30.9	30.9	106.3	106.4	8.3	8.3	3.7	3.7	10	70	73	<0.2	1.1	1.1	1.1				
					Middle	4.3	0.2	152	18.2	8.2	8.2	30.9	30.9	106.4	106.4	8.3	8.3	3.7	3.7	11	73	73	<0.2	1.0	1.0	1.1				
						7.6	0.2	163	18.2	8.3	8.3	30.9	30.9	106.6	106.6	8.4	8.4	3.8	3.8	10	75	75	<0.2	1.2	1.2	1.1				
						7.6	0.2	176	18.2	8.3	8.3	30.9	30.9	106.5	106.6	8.4	8.4	3.8	3.8	10	75	75	<0.2	1.1	1.1	1.1				
C2	Rainy	Rough	15:46	12.0	Surface	1.0	0.3	156	19.5	8.1	8.1	27.5	27.5	96.6	96.6	7.5	7.5	8.2	8.2	8	73	73	825688	806961	<0.2	2.0	2.1	2.1		
						1.0	0.3	162	19.5	8.1	8.1	27.5	27.5	96.6	96.6	7.5	7.5	8.2	8.2	10	73	73	<0.2	2.1	2.1	2.1				
						6.0	0.1	128	19.5	8.1	8.1	28.2	28.2	95.9	95.9	7.5	7.5	14.6	14.6	8	73	73	<0.2	2.0	2.0	2.1				
					Middle	6.0	0.1	129	19.5	8.1	8.1	28.2	28.2	95.9	95.9	7.5	7.5	14.6	14.6	9	73	73	<0.2	1.9	1.9	2.1				
						11.0	0.2	302	19.1	8.1	8.1	29.6	29.6	96.4	96.4	7.5	7.5	16.4	16.4	8	74	74	<0.2	2.1	2.1	2.1				
						11.0	0.2	309	19.1	8.1	8.1	29.6	29.6	96.4	96.4	7.5	7.5	16.4	16.4	8	75	75	<0.2	2.2	2.2	2.2				
C3	Cloudy	Calm	17:46	12.1	Surface	1.0	0.3	101	18.4	8.1	8.1	30.6	30.6	95.7	95.7	7.5	7.5	1.0	1.0	4	73	73	822116	817775	<0.2	1.2	0.8	0.8		
						1.0	0.3	102	18.4	8.1	8.1	30.6	30.6	95.7	95.7	7.5	7.5	1.0	1.0	4	73	73	<0.2	0.7	0.7	0.8				
						6.1	0.3	107	18.4	8.1	8.1	30.6	30.6	95.9	95.9	7.5	7.5	1.3	1.3	7	75	75	<0.2	0.6	0.6	0.8				
					Middle	6.1	0.3	111	18.4	8.1	8.1	30.6	30.6	95.9	95.9	7.5	7.5	1.3	1.3	6	75	75	<0.2	0.7	0.7	0.8				
						11.1	0.2	101	18.4	8.1	8.1	30.6	30.6	96.6	96.6	7.6	7.6	2.0	2.0	7	76	76	<0.2	0.7	0.7	0.8				
						11.1	0.3	109	18.4	8.1	8.1	30.6	30.6	96.6	96.6	7.6	7.6	2.0	2.0	6	77	77	<0.2	0.8	0.8	0.8				
IM1	Rainy	Rough	16:29	7.5	Surface	1.0	0.1	176	18.7	8.2	8.2	29.3	29.3	102.6	102.6	8.0	8.0	6.8	6.8	8	71	73	818324	806461	<0.2	1.3	1.3	1.3		
						1.0	0.1	177	18.7	8.2	8.2	29.3	29.3	102.6	102.6	8.1	8.1	6.8	6.8	6	71	73	<0.2	1.3	1.3	1.3				
						3.8	0.0	217	18.7	8.2	8.2	29.4	29.4	103.5	103.6	8.1	8.1	7.6	7.6	11	73	73	<0.2	1.5	1.5	1.3				
					Middle	3.8	0.0	221	18.7	8.2	8.2	29.4	29.4	103.6	103.6	8.1	8.1	7.7	7.7	10	73	73	<0.2	1.3	1.3	1.3				
						6.5	0.1	59	18.7	8.2	8.2	30.1	30.1	105.8	106.1	8.3	8.3	9.2	9.2	13	75	75	<0.2	1.2	1.2	1.3				
						6.5	0.1	59	18.7	8.2	8.2	30.2	30.2	106.3	106.3	8.3	8.3	9.6	9.6	14	76	76	<0.2	1.2	1.2	1.2				
IM2	Rainy	Rough	16:24	8.0	Surface	1.0	0.2	106	18.7	8.2	8.2	29.5	29.5	103.4	103.5	8.1	8.1	5.8	5.8	7	71	73	818825	806220	<0.2	1.2	1.2	1.2		
						1.0	0.2	106	18.7	8.2	8.2	29.5	29.5	103.5	103.5	8.1	8.1	5.9	5.9	9	72	73	<0.2	1.1	1.1	1.2				
						4.0	0.0	186	18.7	8.2	8.2	29.5	29.5	104.2	104.4	8.2	8.2	6.0	6.0	8	73	73	<0.2	1.2	1.2	1.2				
					Middle	4.0	0.0	193	18.7	8.2	8.2	29.5	29.5	104.5	104.4	8.2	8.2	6.0	6.0	9	73	73	<0.2	1.1	1.1	1.2				
						7.0	0.2	111	18.6	8.3	8.3	30.2	30.2	106.0	106.1	8.3	8.3	6.1	6.1	7	75	75	<0.2	1.3	1.3	1.2				
						7.0	0.2	111	18.6	8.3	8.3	30.2	30.2	106.1	106.1	8.3	8.3	6.1	6.1	8	76	76	<0.2	1.2	1.2	1.2				
IM3	Rainy	Rough	16:18	8.3	Surface	1.0	0.2	123	18.6	8.2	8.2	29.9	29.9	104.7	104.7	8.2	8.2	4.9	4.9	5	71	74	819394	805995	<0.2	1.1	1.1	1.1		
						1.0	0.3	123	18.6	8.2	8.2	29.9	29.9	104.7	104.7	8.2	8.2	4.9	4.9	6	72	74	<0.2	1.3	1.3	1.1				
						4.2	0.2	137	18.6	8.2	8.2	29.9	29.9	105.1	105.2	8.2	8.2	5.4	5.4	6	73	74	<0.2	1.1	1.1	1.1				
					Middle	4.2	0.2	149	18.6	8.2	8.2	29.9	29.9	105.3	105.3	8.2	8.2	5.4	5.4	7	74	74	<0.2	1.1	1.1	1.1				
						7.3	0.2	96	18.6	8.2	8.2	30.2	30.2	106.6	106.7	8.3	8.3	6.6	6.6	9	75	75	<0.2	1.1	1.1	1.1				
						7.3	0.2	100	18.6	8.2	8.2	30.2	30.2	106.7	106.7	8.3	8.3	6.6	6.6	9	76	76	<0.2	1.1	1.1	1.1				
IM4	Rainy	Rough	16:11	7.5	Surface	1.0	0.2	177	18.6	8.2	8.2	29.8	29.8	104.6	104.6	8.2	8.2	5.0	5.0	9	72	74	819569	805044	<0.2	1.1	1.1	1.1		
						1.0	0.2	182	18.6	8.2	8.2	29.8	29.8	104.6	104.6	8.2	8.2	5.1	5.1	7	72	73	<0.2	1.1	1.1	1.1				
						3.8	0.2	139	18.6	8.2	8.2	29.9	29.9	104.8	104.8	8.2	8.2	6.3	6.3	8	73	73	<0.2	1.1	1.1	1.1				
					Middle	3.8	0.2	152	18.6	8.2	8.2	29.9	29.9	104.8	104.8	8.2	8.2	6.3	6.3	8	73	73	<0.2	1.2	1.2	1.1				
						6.5	0.1	119	18.7	8.2	8.2	30.4	30.4	105.7	105.7	8.2	8.2	7.5	7.5	10	75	75	<0.2	1.1	1.1	1.1				
						6.5	0.1	124	18.7	8.2	8.2	30.4	30.4	105.7	105.7	8.2	8.2	7.5	7.5	9	76	76	<0.2	1.1	1.1	1.1				
IM5	Rainy	Rough	16:01	6.8	Surface	1.0	0.0	130	18.7	8.2	8.2	29.5	29.5	104.2	104.3	8.2	8.2	6.8	6.8	8	71	73	820559	804932	<0.2	1.3	1.3	1.3		
						1.0	0.0	132	18.7	8.2	8.2	29.5	29.5	104.3	104.3	8.2	8.2	6.9	6.9	7	72	73	<0.2	1.3	1.3	1.3				
						3.4	0.1	137	18.7	8.2	8.2	29.5	29.5	105.6	105.7	8.3	8.3	8.2	8.2	7	73	73	<0.2	1.3	1.3	1.3				
					Middle	3.4	0.1	141	18.7	8.2	8.2	29.5	29.5	105.7	105.7	8.3	8.3	8.2	8.2	8	73	73	<0.2	1.3	1.3	1.3				
						5.8	0.0	61	18.7	8.2	8.2	29.7	29.7	107.2	107.2	8.4	8.4	6.4	6.4	13	75	75	<0.2	1.2	1.2	1.3				
						5.8	0.0	63	18.7	8.2	8.2	29.7	29.7	107.2	107.2	8.4	8.4	6.4	6.4	11	76	76	<0.2	1.6	1.6	1.6				
IM6	Rainy	Rough	15:52	6.7	Surface	1.0	0.0	165	18.8	8.2	8.2	29.4	29.4	104.0	104.0	8.1	8.1	7.0	7.0	7	71	73	821059	805816	<0.2	1.2	1.2	1.3		
						1.0	0.0	178	18.8	8.2	8.2	29.4	29.4	104.0	104.0	8.1	8.1	7.0	7.0	8	72	73	<0.2	1.2	1.2	1.2				
						3.4	0.0	273	18.8	8.2	8.2	29.5	29.5	104.6	104.6	8.2	8.2	8.4	8.4	7	73	73	<0.2	1.2	1.2	1.3				
					Middle	3.4	0.0	289	18.8	8.2	8.2	29.5	29.5	104.6	104.6	8.2	8.2	8.5	8.5	6	73	73	<0.2	1.3	1.3	1.3				
						5.7	0.1	162	18.8	8.2	8.2	30.1	30.1	106.0	106.0	8.3	8.3	11.3	11.3	9	75	75	<0.2	1.4	1.4	1.4				
						5.7	0.1	176																						



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 08 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Rainy	Rough	16:23	7.2	Surface	1.0	0.1	141	19.2	8.3	8.3	28.2	28.2	100.5	100.5	7.9	7.9	7.5	7.5	9	9	73	74	822120	808804	<0.2	<0.2	1.6	1.5			
						1.0	0.1	148	19.2	8.3	8.3	28.2	28.2	100.5	100.5	7.9	7.9	7.5	7.5	9	9	73	74	<0.2	<0.2	1.5	1.5					
					Middle	3.6	0.2	152	19.2	8.2	8.2	28.4	28.4	101.7	101.7	7.9	7.9	7.4	7.4	9	9	73	74	<0.2	<0.2	1.6	1.6					
						3.6	0.2	158	19.2	8.2	8.2	28.4	28.4	101.7	101.7	7.9	7.9	7.4	7.4	8	8	74	74	<0.2	<0.2	1.5	1.5					
					Bottom	6.2	0.2	126	19.2	8.2	8.2	28.5	28.5	103.9	103.9	8.1	8.1	7.9	7.9	10	10	74	74	<0.2	<0.2	1.5	1.5					
						6.2	0.2	126	19.2	8.2	8.2	28.5	28.5	103.9	103.9	8.1	8.1	7.9	7.9	10	10	74	74	<0.2	<0.2	1.4	1.4					
IM10	Cloudy	Rough	16:34	7.4	Surface	1.0	0.2	118	19.4	8.2	8.2	28.4	28.4	95.2	95.2	7.4	7.4	6.9	6.9	8	8	74	74	822265	809828	<0.2	<0.2	1.5	1.6			
						1.0	0.3	119	19.4	8.2	8.2	28.4	28.4	95.2	95.2	7.4	7.4	6.9	6.9	8	8	73	73	<0.2	<0.2	1.7	1.7					
					Middle	3.7	0.3	106	19.4	8.2	8.2	28.4	28.4	96.2	96.2	7.5	7.5	6.9	6.9	10	10	74	74	<0.2	<0.2	1.6	1.6					
						3.7	0.4	106	19.4	8.2	8.2	28.4	28.4	96.2	96.2	7.5	7.5	6.9	6.9	8	8	75	75	<0.2	<0.2	1.7	1.7					
					Bottom	6.4	0.2	100	19.4	8.2	8.2	28.7	28.7	99.8	99.8	7.7	7.7	8.2	8.2	9	9	76	76	<0.2	<0.2	1.5	1.5					
						6.4	0.2	102	19.4	8.2	8.2	28.7	28.7	99.8	99.8	7.7	7.7	8.2	8.2	8	8	77	77	<0.2	<0.2	1.6	1.6					
IM11	Cloudy	Rough	16:48	8.0	Surface	1.0	0.2	86	19.4	8.3	8.3	28.0	28.0	98.2	98.2	7.7	7.7	14.5	14.5	12	12	74	74	821486	810559	<0.2	<0.2	1.5	1.6			
						1.0	0.2	87	19.4	8.3	8.3	28.0	28.0	98.2	98.2	7.7	7.7	14.5	14.5	11	11	73	73	<0.2	<0.2	1.7	1.7					
					Middle	4.0	0.2	94	19.3	8.2	8.2	28.4	28.4	98.0	98.0	7.6	7.6	13.3	13.3	10	10	75	75	<0.2	<0.2	1.7	1.6					
						4.0	0.2	95	19.3	8.2	8.2	28.4	28.4	98.0	98.0	7.6	7.6	13.3	13.3	11	11	75	75	<0.2	<0.2	1.6	1.4					
					Bottom	7.0	0.1	88	19.3	8.2	8.2	28.5	28.5	101.2	101.2	7.9	7.9	14.1	14.1	11	11	77	77	<0.2	<0.2	1.4	1.4					
						7.0	0.1	96	19.3	8.2	8.2	28.5	28.5	101.2	101.2	7.9	7.9	14.1	14.1	12	12	77	77	<0.2	<0.2	1.4	1.4					
IM12	Cloudy	Rough	16:57	8.9	Surface	1.0	0.3	103	19.5	8.2	8.2	27.8	27.8	93.5	93.5	7.3	7.3	8.1	8.1	8	8	72	72	821188	811504	<0.2	<0.2	1.6	1.6			
						1.0	0.4	111	19.5	8.2	8.2	27.8	27.8	93.5	93.5	7.3	7.3	8.1	8.1	9	9	73	73	<0.2	<0.2	1.6	1.6					
					Middle	4.5	0.2	92	19.4	8.1	8.1	28.9	28.9	91.9	91.9	7.1	7.1	7.9	7.9	9	9	74	74	<0.2	<0.2	1.8	1.8					
						4.5	0.3	94	19.4	8.1	8.1	28.9	28.9	91.9	91.9	7.1	7.1	7.9	7.9	11	11	75	75	<0.2	<0.2	1.8	1.6					
					Bottom	7.9	0.2	97	19.2	8.1	8.1	29.3	29.3	93.0	93.0	7.2	7.2	8.0	8.0	10	10	76	76	<0.2	<0.2	1.2	1.2					
						7.9	0.2	100	19.2	8.1	8.1	29.3	29.3	93.0	93.0	7.2	7.2	8.0	8.0	10	10	76	76	<0.2	<0.2	1.4	1.4					
SR2	Cloudy	Calm	17:23	4.2	Surface	1.0	0.2	56	19.2	8.1	8.1	28.9	28.9	96.4	96.4	7.5	7.5	8.3	8.3	6	6	73	73	821478	814167	<0.2	<0.2	1.3	1.3			
						1.0	0.2	58	19.2	8.1	8.1	28.9	28.9	96.4	96.4	7.5	7.5	8.3	8.3	7	7	73	73	<0.2	<0.2	1.3	1.3					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.2	0.1	39	19.2	8.1	8.1	29.2	29.2	99.9	100.0	7.8	7.8	8.9	8.9	10	10	75	75	<0.2	<0.2	1.3	1.3					
						3.2	0.1	41	19.2	8.1	8.1	29.2	29.2	100.0	100.0	7.8	7.8	8.9	8.9	8	8	75	75	<0.2	<0.2	1.2	1.2					
SR3	Rainy	Rough	16:08	8.6	Surface	1.0	0.3	149	19.2	8.2	8.2	28.4	28.4	100.5	100.5	7.9	7.9	6.1	6.1	8	8	-	-	822146	807563	-	-	-	-			
						1.0	0.3	155	19.2	8.2	8.2	28.4	28.4	100.5	100.5	7.9	7.9	6.1	6.1	8	8	-	-	-	-	-	-	-	-	-		
					Middle	4.3	0.2	117	19.2	8.2	8.2	28.8	28.8	100.5	100.5	7.8	7.8	6.3	6.3	10	10	-	-	-	-	-	-	-	-	-	-	
						4.3	0.2	124	19.2	8.2	8.2	28.8	28.8	100.5	100.5	7.8	7.8	6.3	6.3	8	8	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.6	0.2	65	19.2	8.2	8.2	29.4	29.4	100.8	100.8	7.8	7.8	7.8	7.8	8	8	-	-	-	-	-	-	-	-	-	-	
						7.6	0.2	70	19.2	8.2	8.2	29.4	29.4	100.8	100.8	7.8	7.8	7.8	7.8	10	10	-	-	-	-	-	-	-	-	-	-	
SR4A	Rainy	Calm	17:12	8.4	Surface	1.0	0.2	69	18.7	8.3	8.3	29.3	29.3	102.5	102.5	8.0	8.0	8.5	8.5	8	8	-	-	817178	807787	-	-	-	-			
						1.0	0.2	74	18.7	8.3	8.3	29.3	29.3	102.5	102.5	8.0	8.0	8.5	8.5	7	7	-	-	-	-	-	-	-	-			
					Middle	4.2	0.2	74	18.7	8.3	8.3	29.3	29.3	103.3	103.3	8.1	8.1	10.4	10.4	8	8	-	-	-	-	-	-	-	-	-		
						4.2	0.2	80	18.7	8.3	8.3	29.3	29.3	103.3	103.3	8.1	8.1	10.6	10.6	8	8	-	-	-	-	-	-	-	-			
					Bottom	7.4	0.1	69	18.7	8.3	8.3	29.4	29.4	106.1	106.2	8.3	8.3	10.3	10.3	8	8	-	-	-	-	-	-	-	-	-		
						7.4	0.1	73	18.7	8.3	8.3	29.4	29.4	106.2	106.2	8.3	8.3	10.0	10.0	8	8	-	-	-	-	-	-	-	-			
SR5A	Rainy	Calm	17:32	5.3	Surface	1.0	0.1	116	19.2	8.1	8.1	29.3	29.3	91.7	91.8	7.1	7.1	8.6	8.6	7	7	-	-	816585	810725	-	-	-	-			
						1.0	0.1	117	19.2	8.1	8.1	29.3	29.3	91.8	91.8	7.1	7.1	8.7	8.7	6	6	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.3	0.1	119	19.2	8.1	8.1	29.3	29.3	100.5	100.6	7.8	7.8	9.0	9.0	9	9	-	-	-	-	-	-	-	-			
						4.3	0.1	126	19.2	8.1	8.1	29.3	29.3	100.7	100.7	7.8	7.8	9.0	9.0	8	8	-	-	-	-	-	-	-				
SR6	Rainy	Calm	17:56	4.1	Surface	1.0	0.1	42	19.0	8.2	8.2	28.2	28.2	99.9	100.0	7.8	7.8	7.9	7.9	5	5	-	-	817922	814692	-	-	-	-			
						1.0	0.1	45	19.0	8.2	8.2	28.2	28.2	100.0	100.0	7.8	7.8	7.9	7.9	7	7	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.1	0.1	36	19.0	8.2	8.2	28.2	28.2	102.1	102.2	8.0	8.0	8.1	8.1													

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 08 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
C1	Rainy	Rough	11:11	8.4	Surface	1.0	0.6	15	18.2	18.2	8.2	8.2	30.9	30.9	106.2	106.2	8.3	8.3	3.5	3.5	3	72	72	73	815649	804268	<0.2	1.6	1.8	1.8	
						1.0	0.6	15	18.2	18.2	8.2	8.2	30.9	30.9	106.2	106.2	8.3	8.3	3.5	3.5	5	72	72	73	815649	804268	<0.2	1.7	1.8	1.8	
						4.2	0.6	13	18.2	18.2	8.2	8.2	30.9	30.9	105.9	105.9	8.3	8.3	3.6	3.6	6	73	73	75	815649	804268	<0.2	1.9	1.8	1.8	
					Middle	4.2	0.6	14	18.2	18.2	8.2	8.2	30.9	30.9	105.9	105.9	8.3	8.3	3.6	3.6	4	73	73	75	73	815649	804268	<0.2	1.8	1.8	1.8
						7.4	0.6	7	18.2	18.2	8.2	8.2	31.0	31.0	105.9	105.9	8.3	8.3	3.5	3.5	5	75	75	75	73	815649	804268	<0.2	1.8	1.8	1.8
						7.4	0.6	7	18.2	18.2	8.2	8.2	31.0	31.0	105.9	105.9	8.3	8.3	3.5	3.5	6	75	75	75	73	815649	804268	<0.2	1.8	1.8	1.8
C2	Rainy	Rough	12:11	11.8	Surface	1.0	0.5	342	19.8	19.8	8.1	8.1	27.3	27.3	96.5	96.5	7.5	7.5	5.9	5.9	4	72	72	73	825671	806947	<0.2	2.0	2.0	2.0	
						1.0	0.5	346	19.8	19.8	8.1	8.1	27.3	27.3	96.5	96.5	7.5	7.5	5.9	5.9	5	72	72	73	825671	806947	<0.2	2.0	2.0	2.0	
						5.9	0.5	348	19.8	19.8	8.1	8.1	27.4	27.4	96.1	96.1	7.5	7.5	10.2	10.2	5	73	73	75	825671	806947	<0.2	1.9	2.1	2.1	
					Middle	5.9	0.5	349	19.8	19.8	8.1	8.1	27.5	27.5	96.1	96.1	7.5	7.5	11.6	11.6	4	73	73	75	73	825671	806947	<0.2	2.1	2.1	2.1
						10.8	0.3	356	19.7	19.7	8.1	8.1	28.2	28.2	96.4	96.4	7.5	7.5	16.7	16.7	8	75	75	75	73	825671	806947	<0.2	2.1	2.1	2.1
						10.8	0.3	328	19.7	19.7	8.1	8.1	28.2	28.2	96.4	96.4	7.5	7.5	16.7	16.7	9	74	74	75	73	825671	806947	<0.2	2.0	2.0	2.0
C3	Rainy	Moderate	10:17	11.4	Surface	1.0	0.5	262	19.0	19.0	8.1	8.1	29.7	29.7	95.3	95.3	7.4	7.4	3.4	3.4	4	73	73	75	822082	817816	<0.2	1.2	1.2	1.1	
						1.0	0.5	264	19.0	19.0	8.1	8.1	29.7	29.7	95.3	95.3	7.4	7.4	3.4	3.4	3	73	73	75	822082	817816	<0.2	1.2	1.2	1.1	
						5.7	0.5	268	19.0	19.0	8.1	8.1	30.0	30.0	95.2	95.2	7.4	7.4	4.8	4.8	4	75	75	75	822082	817816	<0.2	1.2	1.2	1.1	
					Middle	5.7	0.6	284	19.0	19.0	8.1	8.1	30.0	30.0	95.2	95.2	7.4	7.4	4.8	4.8	2	74	74	75	73	822082	817816	<0.2	1.2	1.2	1.1
						10.4	0.4	261	18.9	18.9	8.1	8.1	30.2	30.2	95.6	95.6	7.4	7.4	6.7	6.7	6	76	76	75	73	822082	817816	<0.2	1.0	1.0	1.0
						10.4	0.4	282	18.9	18.9	8.1	8.1	30.2	30.2	95.6	95.6	7.4	7.4	6.7	6.7	5	76	76	75	73	822082	817816	<0.2	1.0	1.0	1.0
IM1	Rainy	Rough	11:27	7.6	Surface	1.0	0.6	21	19.2	19.2	8.2	8.2	28.2	28.2	100.5	100.6	7.9	7.9	8.5	8.5	8	73	73	75	818368	806484	<0.2	2.0	2.1	2.1	
						1.0	0.6	21	19.2	19.2	8.2	8.2	28.2	28.2	100.6	100.6	7.9	7.9	8.8	8.8	7	72	72	75	818368	806484	<0.2	2.1	2.1	2.1	
						3.8	0.5	27	19.0	19.0	8.2	8.2	29.3	29.3	100.6	100.6	7.8	7.8	10.4	10.4	8	74	74	75	818368	806484	<0.2	2.0	2.0	2.0	
					Middle	3.8	0.6	27	19.0	19.0	8.2	8.2	29.3	29.3	100.6	100.6	7.8	7.8	10.5	10.5	7	74	74	75	73	818368	806484	<0.2	2.1	2.1	2.1
						6.6	0.4	14	19.0	19.0	8.2	8.2	29.6	29.6	100.4	100.4	7.8	7.8	11.7	11.7	8	75	75	75	73	818368	806484	<0.2	2.2	2.2	2.2
						6.6	0.4	14	19.0	19.0	8.2	8.2	29.6	29.6	100.4	100.4	7.8	7.8	11.7	11.7	8	75	75	75	73	818368	806484	<0.2	2.1	2.1	2.1
IM2	Rainy	Rough	11:32	7.9	Surface	1.0	0.5	31	19.2	19.2	8.2	8.2	28.2	28.3	100.7	100.7	7.9	7.9	8.7	8.7	7	72	72	75	818838	806211	<0.2	2.2	2.1	2.2	
						1.0	0.5	32	19.2	19.2	8.2	8.2	28.3	28.3	100.7	100.7	7.9	7.9	8.8	8.8	7	73	73	75	818838	806211	<0.2	2.1	2.1	2.1	
						4.0	0.4	0	19.0	19.0	8.2	8.2	29.2	29.2	100.4	100.5	7.8	7.8	9.8	9.8	6	75	75	75	818838	806211	<0.2	2.4	2.4	2.4	
					Middle	4.0	0.5	0	19.0	19.0	8.2	8.2	29.2	29.2	100.5	100.5	7.8	7.8	9.9	9.9	8	75	75	75	73	818838	806211	<0.2	2.2	2.2	2.2
						6.9	0.4	24	19.0	19.0	8.2	8.2	29.6	29.6	99.9	99.9	7.8	7.8	10.4	10.4	8	76	76	75	73	818838	806211	<0.2	2.0	2.0	2.0
						6.9	0.4	26	19.0	19.0	8.2	8.2	29.6	29.6	99.9	99.9	7.8	7.8	9.9	9.9	6	77	77	75	73	818838	806211	<0.2	2.1	2.1	2.1
IM3	Rainy	Rough	11:35	8.5	Surface	1.0	0.2	10	19.0	19.0	8.2	8.2	28.3	28.3	100.8	100.8	7.9	7.9	6.7	6.7	7	73	73	75	819396	806038	<0.2	2.0	2.0	2.0	
						1.0	0.2	10	19.0	19.0	8.2	8.2	28.3	28.3	100.8	100.8	7.9	7.9	6.7	6.7	6	73	73	75	819396	806038	<0.2	2.0	2.0	2.0	
						4.3	0.3	24	19.0	19.0	8.2	8.2	28.5	28.5	101.1	101.2	7.9	7.9	7.0	7.0	7	74	74	75	819396	806038	<0.2	2.1	2.1	2.1	
					Middle	4.3	0.4	24	19.0	19.0	8.2	8.2	28.5	28.5	101.3	101.3	7.9	7.9	7.0	7.0	7	74	74	75	73	819396	806038	<0.2	1.9	1.9	1.9
						7.5	0.3	15	19.0	19.0	8.1	8.1	29.2	29.2	102.7	102.7	8.0	8.0	11.4	11.4	8	75	75	75	73	819396	806038	<0.2	1.9	1.9	1.9
						7.5	0.4	15	19.0	19.0	8.1	8.1	29.3	29.3	102.7	102.7	8.0	8.0	11.6	11.6	6	75	75	75	73	819396	806038	<0.2	2.1	2.1	2.1
IM4	Rainy	Rough	11:42	7.5	Surface	1.0	0.3	356	19.2	19.2	8.2	8.2	28.1	28.0	101.3	101.3	7.9	7.9	6.2	6.2	7	72	72	75	819592	805032	<0.2	2.0	2.0	2.0	
						1.0	0.4	328	19.2	19.2	8.2	8.2	28.0	28.0	101.3	101.3	7.9	7.9	6.2	6.2	6	73	73	75	819592	805032	<0.2	1.9	1.9	1.9	
						3.8	0.3	27	19.2	19.2	8.2	8.2	28.1	28.1	102.5	102.6	8.0	8.0	7.1	7.1	6	75	75	75	819592	805032	<0.2	2.1	2.1	2.1	
					Middle	3.8	0.3	28	19.2	19.2	8.2	8.2	28.1	28.1	102.6	102.6	8.0	8.0	7.0	7.0	5	75	75	75	73	819592	805032	<0.2	2.0	2.0	2.0
						6.5	0.3	28	19.1	19.1	8.2	8.2	28.6	28.6	104.6	104.6	8.2	8.2	8.4	8.4	7	77	77	75	73	819592	805032	<0.2	1.9	1.9	1.9
						6.5	0.3	28	19.1	19.1	8.2	8.2	28.7	28.7	104.7	104.7	8.2	8.2	8.4	8.4	5	76	76	75	73	819592	805032	<0.2	2.0	2.0	2.0
IM5	Rainy	Rough	11:54	6.6	Surface	1.0	0.5	11	19.2	19.2	8.2	8.2	28.0	28.0	101.1	101.1	7.9	7.9	7.5	7.5	6	73	73	75	820549	804941	<0.2	2.3	2.3	2.3	
						1.0	0.5	12	19.2	19.2	8.2	8.2	28.0	28.0	101.1	101.1	7.9	7.9	7.6	7.6	6	73	73	75	820549	804941	<0.2	2.2	2.2	2.2	
						3.3	0.4	21	19.2	19.2	8.2	8.2	28.1	28.1	101.9	102.0	8.0	8.0	9.8	9.8	5	75									



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 10 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	19:19	8.8	Surface	1.0	0.3	180	17.9	17.9	8.2	8.2	31.2	31.2	107.8	107.8	8.5	8.5	2.7	2.7	4	4	73	73	815618	804273	<0.2	0.6	0.5	
						1.0	0.3	180	17.9	8.2	8.2	31.2	31.2	107.8	107.8	8.5	8.5	2.7	2.7	3	3	73	73	<0.2			0.6			
					Middle	4.4	0.3	196	17.8	17.8	8.2	8.2	31.2	31.2	106.3	106.3	8.4	8.4	3.0	3.0	3	3	74	74			<0.2	0.5		
						4.4	0.3	199	17.8	17.8	8.2	8.2	31.2	31.2	106.3	106.3	8.4	8.4	3.0	3.0	4	4	73	73			<0.2	0.4		
					Bottom	7.8	0.3	199	17.7	17.7	8.2	8.2	31.2	31.2	104.1	104.1	8.2	8.2	3.5	3.5	3	3	75	75			<0.2	0.4		
						7.8	0.3	207	17.7	17.7	8.2	8.2	31.2	31.2	103.3	103.3	8.2	8.2	3.4	3.4	4	4	75	75			<0.2	0.4		
C2	Sunny	Moderate	18:16	12.5	Surface	1.0	0.2	167	18.7	18.7	8.2	8.2	29.9	29.9	102.2	102.2	8.0	8.0	3.8	3.8	6	6	73	73	825694	806956	<0.2	1.2	1.2	
						1.0	0.2	173	18.7	18.7	8.2	8.2	29.9	29.9	102.2	102.2	8.0	8.0	3.8	3.8	6	6	73	73			<0.2	1.4		
					Middle	6.3	0.1	117	18.2	18.2	8.1	8.1	30.5	30.5	94.9	94.9	7.5	7.5	3.8	3.8	6	6	74	74			<0.2	1.2		
						6.3	0.1	127	18.2	18.2	8.1	8.1	30.5	30.5	94.9	94.9	7.5	7.5	3.9	3.9	6	6	74	74			<0.2	1.2		
					Bottom	11.5	0.2	71	18.0	18.0	8.0	8.0	30.8	30.8	96.2	96.2	7.6	7.6	4.5	4.5	5	5	75	75			<0.2	1.1		
						11.5	0.2	77	18.0	18.0	8.0	8.0	30.8	30.8	96.4	96.3	7.6	7.6	4.3	4.3	5	5	75	75			<0.2	0.9		
C3	Fine	Moderate	20:02	12.2	Surface	1.0	0.4	63	18.1	18.1	8.1	8.1	30.8	30.8	96.5	96.5	7.6	7.6	4.0	4.0	5	5	73	73	822116	817810	<0.2	0.9	0.8	
						1.0	0.4	64	18.1	18.1	8.1	8.1	31.0	31.0	95.7	95.7	7.6	7.6	5.2	5.2	4	4	73	73			<0.2	1.0		
					Middle	6.1	0.3	65	17.8	17.8	8.1	8.1	31.0	31.0	95.7	95.7	7.6	7.6	5.2	5.2	6	6	73	73			<0.2	0.7		
						6.1	0.3	69	17.8	17.8	8.1	8.1	31.0	31.0	95.7	95.7	7.6	7.6	5.2	5.2	4	4	74	74			<0.2	0.7		
					Bottom	11.2	0.2	94	17.8	17.8	8.1	8.1	31.0	31.0	95.8	95.8	7.6	7.6	5.4	5.4	9	9	74	74			<0.2	0.7		
						11.2	0.2	102	17.8	17.8	8.1	8.1	31.0	31.0	95.8	95.8	7.6	7.6	5.4	5.4	7	7	74	74			<0.2	0.7		
IM1	Fine	Moderate	19:02	7.5	Surface	1.0	0.2	207	18.2	18.2	8.2	8.2	30.9	30.9	112.5	112.5	8.8	8.8	5.3	5.3	16	16	73	73	818348	806446	<0.2	0.6	0.7	
						1.0	0.2	215	18.2	18.2	8.2	8.2	30.9	30.9	112.5	112.5	8.8	8.8	5.3	5.3	16	16	73	73			<0.2	0.6		
					Middle	3.8	0.2	191	18.1	18.1	8.2	8.2	31.0	31.0	110.9	110.9	8.7	8.7	3.1	3.1	16	16	74	74			<0.2	0.7		
						3.8	0.2	197	18.1	18.1	8.2	8.2	31.0	31.0	110.9	110.9	8.7	8.7	3.1	3.1	16	16	73	73			<0.2	0.6		
					Bottom	6.5	0.1	166	17.9	17.9	8.2	8.2	31.1	31.1	105.4	105.4	8.3	8.3	4.5	4.5	16	16	75	75			<0.2	1.0		
						6.5	0.1	172	17.9	17.9	8.2	8.2	31.1	31.1	105.4	105.4	8.3	8.3	4.5	4.5	17	17	75	75			<0.2	0.5		
IM2	Fine	Moderate	18:57	8.5	Surface	1.0	0.2	207	18.2	18.2	8.2	8.2	30.8	30.8	113.1	113.1	8.9	8.9	2.8	2.8	3	3	73	73	818827	806216	<0.2	0.6	0.6	
						1.0	0.2	214	18.2	18.2	8.2	8.2	30.8	30.8	113.1	113.1	8.9	8.9	2.8	2.8	3	3	73	73			<0.2	0.5		
					Middle	4.3	0.2	186	18.1	18.1	8.2	8.2	31.0	31.0	112.1	112.1	8.8	8.8	2.8	2.8	2	2	74	74			<0.2	0.6		
						4.3	0.2	186	18.1	18.1	8.2	8.2	31.0	31.0	112.1	112.1	8.8	8.8	2.8	2.8	2	2	73	73			<0.2	0.6		
					Bottom	7.5	0.2	200	17.9	17.9	8.2	8.2	31.0	31.0	109.6	109.6	8.6	8.6	2.8	2.8	2	2	75	75			<0.2	0.6		
						7.5	0.2	218	17.9	17.9	8.2	8.2	31.0	31.0	109.6	109.6	8.6	8.6	2.8	2.8	2	2	76	76			<0.2	0.5		
IM3	Fine	Moderate	18:51	8.6	Surface	1.0	0.2	182	18.3	18.3	8.2	8.2	30.8	30.8	114.3	114.3	9.0	9.0	3.9	3.9	4	4	73	73	819386	806005	<0.2	0.7	0.7	
						1.0	0.2	192	18.3	18.3	8.2	8.2	30.8	30.8	114.3	114.3	9.0	9.0	3.9	3.9	2	2	73	73			<0.2	0.7		
					Middle	4.3	0.2	184	18.2	18.2	8.2	8.2	30.9	30.9	112.0	112.0	8.8	8.8	3.5	3.5	3	3	75	75			<0.2	0.9		
						4.3	0.2	190	18.2	18.2	8.2	8.2	30.9	30.9	112.0	112.0	8.8	8.8	3.5	3.5	3	3	76	76			<0.2	0.8		
					Bottom	7.6	0.2	184	18.0	18.0	8.2	8.2	31.0	31.0	104.6	104.6	8.2	8.2	3.8	3.8	4	4	75	75			<0.2	0.6		
						7.6	0.2	192	18.0	18.0	8.2	8.2	31.0	31.0	104.6	104.6	8.2	8.2	3.8	3.8	2	2	75	75			<0.2	0.6		
IM4	Fine	Moderate	18:44	8.0	Surface	1.0	0.2	162	18.0	18.0	8.2	8.2	31.0	31.0	112.3	112.3	8.8	8.8	3.7	3.7	2	2	73	73	819565	805036	<0.2	0.6	0.6	
						1.0	0.2	170	18.0	18.0	8.2	8.2	31.0	31.0	112.3	112.3	8.8	8.8	3.7	3.7	2	2	73	73			<0.2	0.7		
					Middle	4.0	0.2	163	17.8	17.8	8.2	8.2	31.0	31.0	110.7	110.7	8.7	8.7	4.4	4.4	3	3	75	75			<0.2	0.5		
						4.0	0.2	170	17.8	17.8	8.2	8.2	31.0	31.0	110.7	110.7	8.7	8.7	4.4	4.4	2	2	75	75			<0.2	0.5		
					Bottom	7.0	0.1	184	17.8	17.8	8.2	8.2	31.1	31.1	107.2	107.2	8.5	8.5	7.5	7.5	4	4	75	75			<0.2	0.6		
						7.0	0.1	197	17.8	17.8	8.2	8.2	31.1	31.1	107.2	107.2	8.5	8.5	7.5	7.5	3	3	76	76			<0.2	0.6		
IM5	Fine	Moderate	18:35	7.1	Surface	1.0	0.1	168	18.1	18.1	8.2	8.2	30.9	30.9	111.6	111.6	8.8	8.8	3.8	3.8	3	3	73	73	820570	804934	<0.2	0.6	0.6	
						1.0	0.1	168	18.1	18.1	8.2	8.2	30.9	30.9	111.6	111.6	8.8	8.8	3.8	3.8	2	2	72	72			<0.2	0.6		
					Middle	3.6	0.1	182	18.1	18.1	8.2	8.2	30.9	30.9	108.8	108.8	8.5	8.5	4.2	4.2	6	6	73	73			<0.2	0.6		
						3.6	0.1	188	18.1	18.1	8.2	8.2	30.9	30.9	108.8	108.8	8.5	8.5	4.2	4.2	5	5	74	74			<0.2	0.6		
					Bottom	6.1	0.1	157	18.1	18.1	8.2	8.2	31.0	31.0	103.4	103.4	8.1	8.1	4.1	4.1	5	5	75	75			<0.2	0.6		
						6.1	0.1	160	18.1	18.1	8.2	8.2	31.0	31.0	103.4	103.4	8.1	8.1	4.1	4.1	4	4	75	75			<0.2	0.7		
IM6	Fine	Moderate	18:27	7.2	Surface	1.0	0.2	173	18.2	18.2	8.2	8.2	30.8	30.8	116.1	116.1	9.1	9.1	4.0	4.0	4	4	72	72	821089	805853	<0.2	0.7	0.7	
						1.0	0.2	177	18.2	18.2	8.2	8.2	30.8	30.8	116.1	116.1	9.1	9.1	4.0	4.0	3	3	72	72			<0.2	0.6		
					Middle	3.6	0.2	179	18.1	18.1	8.2	8.2	30.9	30.9	114.9	114.9	9.0	9.0	5.0	5.0	4	4	75	75			<0.2	0.8		
						3.6	0.2	187	18.1	18.1	8.2	8.2	30.9	30.9	114.9	114.9	9.0	9.0	5.0	5.0	3	3	75	75			<0.2	0.6		
					Bottom	6.2	0.1	171	18.1	18.1	8.2	8.2	30.8	30.8	113.4	113.4	8.9	8.9	5.7	5.7	6	6	76	76			<0.2	0.7		

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 10 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	18:48	7.2	Surface	1.0	0.2	118	18.8	8.2	8.2	30.1	30.1	111.1	111.1	8.6	8.6	3.8	3.8	4	4	73	73	822096	808787	<0.2	<0.2	1.3	1.3							
						1.0	0.2	128	18.8	8.2	8.2	30.1	30.1	111.1	111.1	8.6	8.6	3.8	3.8	4	4	73	73			<0.2	<0.2	1.3	1.3							
						3.6	0.3	95	18.8	8.2	8.2	30.2	30.2	110.3	110.3	8.6	8.6	5.2	5.2	5	5	74	74			<0.2	<0.2	1.0	1.0							
					3.6	0.3	98	18.8	8.2	8.2	30.2	30.2	110.3	110.3	8.6	8.6	5.2	5.2	6	6	74	74	<0.2			<0.2	1.1	1.1								
					6.2	0.2	59	18.4	8.2	8.2	31.0	31.0	106.9	106.9	8.3	8.3	6.9	6.9	4	4	75	75	<0.2			<0.2	0.9	0.9								
					6.2	0.2	61	18.4	8.2	8.2	31.0	31.0	106.9	106.9	8.3	8.3	6.9	6.9	6	6	75	75	<0.2			<0.2	0.8	0.8								
IM10	Fine	Moderate	18:57	8.6	Surface	1.0	0.4	136	18.6	8.3	8.3	29.9	29.9	110.9	110.9	8.7	8.7	4.5	4.5	6	6	73	73	822230	809863	<0.2	<0.2	1.3	1.3							
						1.0	0.4	148	18.6	8.3	8.3	29.9	29.9	110.9	110.9	8.7	8.7	4.2	4.2	5	5	73	73			<0.2	<0.2	1.2	1.2							
						4.3	0.3	132	18.5	8.3	8.3	30.4	30.4	110.5	110.5	8.6	8.6	4.4	4.4	4	4	73	73			<0.2	<0.2	1.2	1.2							
					4.3	0.3	132	18.5	8.3	8.3	30.4	30.4	110.5	110.5	8.6	8.6	4.4	4.4	4	4	73	73	<0.2			<0.2	1.1	1.1								
					7.6	0.2	61	18.4	8.2	8.2	30.8	30.8	109.2	109.2	8.5	8.5	5.0	5.0	6	6	74	74	<0.2			<0.2	0.9	0.9								
					7.6	0.2	63	18.4	8.2	8.2	30.8	30.8	109.2	109.2	8.5	8.5	5.0	5.0	4	4	74	74	<0.2			<0.2	1.1	1.1								
IM11	Fine	Moderate	19:10	6.9	Surface	1.0	0.3	91	18.4	8.3	8.3	30.4	30.4	105.6	105.6	8.3	8.3	6.2	6.2	7	7	73	73	821495	810557	<0.2	<0.2	1.2	1.2							
						1.0	0.3	95	18.4	8.3	8.3	30.4	30.4	105.6	105.6	8.3	8.3	6.2	6.2	6	6	73	73			<0.2	<0.2	1.0	1.0							
						3.5	0.3	97	18.4	8.3	8.3	30.5	30.5	106.4	106.4	8.3	8.3	11.2	11.2	7	7	73	73			<0.2	<0.2	1.0	1.0							
					3.5	0.3	105	18.4	8.3	8.3	30.5	30.5	106.4	106.4	8.3	8.3	11.2	11.2	7	7	73	73	<0.2			<0.2	1.0	1.0								
					5.9	0.3	101	18.4	8.3	8.3	30.7	30.7	105.4	105.4	8.2	8.2	11.2	11.2	10	10	74	74	<0.2			<0.2	0.9	0.9								
					5.9	0.3	103	18.4	8.3	8.3	30.7	30.7	105.4	105.4	8.2	8.2	11.2	11.2	10	10	74	74	<0.2			<0.2	0.9	0.9								
IM12	Fine	Moderate	19:16	9.3	Surface	1.0	0.3	100	18.5	8.3	8.3	30.0	30.0	99.1	99.0	7.8	7.8	6.8	6.8	7	7	73	73	821132	811528	<0.2	<0.2	1.2	1.2							
						1.0	0.3	108	18.5	8.3	8.3	30.0	30.0	98.9	99.0	7.8	7.8	6.7	6.7	6	6	73	73			<0.2	<0.2	1.0	1.0							
						4.7	0.3	90	18.4	8.2	8.2	30.2	30.2	95.7	95.7	7.5	7.5	7.3	7.3	7	7	74	74			<0.2	<0.2	1.1	1.1							
					4.7	0.3	92	18.4	8.2	8.2	30.2	30.2	95.6	95.7	7.5	7.5	7.4	7.4	6	6	74	74	<0.2			<0.2	1.1	1.1								
					8.3	0.2	95	18.3	8.1	8.1	30.4	30.4	95.6	95.6	7.5	7.5	11.9	11.9	8	8	75	75	<0.2			<0.2	1.1	1.1								
					8.3	0.2	101	18.3	8.1	8.1	30.4	30.4	95.6	95.6	7.5	7.5	11.9	11.9	9	9	75	75	<0.2			<0.2	1.2	1.2								
SR2	Fine	Moderate	19:41	4.2	Surface	1.0	0.4	95	18.5	8.2	8.2	30.2	30.2	96.8	96.8	7.6	7.6	6.0	6.0	6	6	73	73	821444	814192	<0.2	<0.2	1.2	1.2							
						1.0	0.4	103	18.5	8.2	8.2	30.2	30.2	96.8	96.8	7.6	7.6	6.0	6.0	6	6	73	73			<0.2	<0.2	1.2	1.2							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-			
					3.2	0.3	98	18.4	8.1	8.1	30.4	30.4	96.8	96.8	7.6	7.6	6.1	6.1	5	5	73	73	<0.2			<0.2	1.0	1.0								
					3.2	0.3	107	18.4	8.1	8.1	30.4	30.4	96.8	96.8	7.6	7.6	6.3	6.3	6	6	73	73	<0.2			<0.2	1.0	1.0								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-			
SR3	Fine	Moderate	18:36	9.0	Surface	1.0	0.3	160	18.6	8.2	8.2	30.0	30.0	110.5	110.5	8.6	8.6	2.3	2.3	3	3	-	-	822160	807547	-	-	-	-							
						1.0	0.3	169	18.6	8.2	8.2	30.0	30.0	110.5	110.5	8.6	8.6	2.3	2.3	3	3	-	-			-	-									
						4.5	0.2	133	18.4	8.2	8.2	30.4	30.4	110.2	110.2	8.6	8.6	2.6	2.6	4	4	-	-			-	-									
					4.5	0.2	136	18.4	8.2	8.2	30.4	30.4	110.2	110.2	8.6	8.6	2.6	2.6	5	5	-	-	-			-										
					8.0	0.2	103	18.3	8.2	8.2	30.9	30.9	108.6	108.6	8.5	8.5	3.3	3.3	5	5	-	-	-			-										
					8.0	0.2	103	18.3	8.2	8.2	30.9	30.9	108.6	108.6	8.5	8.5	3.3	3.3	4	4	-	-	-			-										
SR4A	Fine	Calm	19:40	8.7	Surface	1.0	0.2	57	18.1	8.2	8.2	30.9	30.9	112.1	112.1	8.8	8.8	3.5	3.5	3	3	-	-	817187	807823	-	-	-	-							
						1.0	0.2	61	18.1	8.2	8.2	30.9	30.9	112.1	112.1	8.8	8.8	3.5	3.5	5	5	-	-			-	-									
						4.4	0.2	50	18.0	8.2	8.2	30.9	30.9	110.1	110.1	8.7	8.7	3.6	3.6	4	4	-	-			-	-									
					4.4	0.2	54	18.0	8.2	8.2	30.9	30.9	110.1	110.1	8.7	8.7	3.6	3.6	3	3	-	-	-			-										
					7.7	0.1	64	18.0	8.2	8.2	31.1	31.1	105.5	105.5	8.3	8.3	3.7	3.7	7	7	-	-	-			-										
					7.7	0.1	66	18.0	8.2	8.2	31.1	31.1	105.5	105.5	8.3	8.3	3.7	3.7	5	5	-	-	-			-										
SR5A	Fine	Calm	19:58	5.2	Surface	1.0	0.1	74	19.2	8.1	8.1	29.5	29.5	103.2	103.2	8.0	8.0	5.1	5.1	2	2	-	-	816620	810667	-	-	-	-							
						1.0	0.1	78	19.2	8.1	8.1	29.5	29.5	103.2	103.2	8.0	8.0	5.1	5.1	4	4	-	-			-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-					
					4.2	0.2	87	19.0	8.1	8.1	29.9	29.9	102.1	102.1	7.9	7.9	5.0	5.0	3	3	-	-	-			-										
					4.2	0.2	95	19.0	8.1	8.1	29.9	29.9	102.1	102.1	7.9	7.9	5.0	5.0	4	4	-	-	-			-										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-						
SR6	Fine	Calm	20:20	4.0	Surface	1.0	0.1	77	19.0	8.1	8.1	29.0	29.0	88.3	88.3	6.9	6.9	7.2	7.2	6	6	-	-	817903	814637	-	-	-	-							
						1.0	0.1	84	19.0	8.1	8.1	29.0	29.0	88.3	88.3	6.9	6.9	7.2	7.2	4	4	-	-			-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-						
					3.0	0.2	81	18.8	8.1	8.1	29.7	29.7	88.0	88.0	6.9	6.9	12.9	12.9	4	4	-	-	-			-										
					3.0	0.2	88	18.8	8.1	8.1	29.7	29.7	88.0	88.0	6.9	6.9	12.9	12.9	5	5	-	-	-			-										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-							
SR7	Fine	Moderate	20:31	23.6	Surface	1.0	0.5	84	18.0	8.1	8.1	31.0	31.0	96.8	96.8	7.6	7.6	2.0	2.0	3	3	-	-	823641	823735	-	-	-	-							

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 10 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Calm	12:03	8.6	Surface	1.0	0.3	6	17.9	17.9	8.2	8.2	31.0	31.0	106.9	106.9	8.4	8.4	3.0	3.0	2	2	73	73	815591	804245	<0.2	<0.2	0.5	0.5
						1.0	0.3	6	17.9	17.9	8.2	8.2	31.0	31.0	106.9	106.9	8.4	8.4	3.0	3.0	2	2	73	73			<0.2	<0.2	0.7	0.7
						4.3	0.2	21	17.5	17.5	8.2	8.2	31.1	31.1	104.9	104.9	8.3	8.3	3.1	3.1	2	2	73	73			<0.2	<0.2	0.7	0.7
					4.3	0.2	21	17.5	17.5	8.2	8.2	31.1	31.1	104.9	104.9	8.3	8.3	3.1	3.1	2	2	73	73	<0.2			<0.2	0.7	0.7	
					7.6	0.2	27	17.4	17.4	8.2	8.2	31.2	31.2	101.0	101.0	8.0	8.0	3.2	3.2	3	3	74	74	<0.2			<0.2	0.5	0.5	
					7.6	0.2	27	17.4	17.4	8.2	8.2	31.2	31.2	101.0	101.0	8.0	8.0	3.2	3.2	2	2	75	75	<0.2			<0.2	0.6	0.6	
C2	Sunny	Moderate	12:56	12.1	Surface	1.0	0.2	18	18.8	18.8	8.1	8.1	29.4	29.4	98.3	98.3	7.7	7.7	3.1	3.1	4	4	73	73	825655	806941	<0.2	<0.2	1.5	1.5
						1.0	0.2	18	18.8	18.8	8.1	8.1	29.4	29.4	98.3	98.3	7.7	7.7	3.1	3.1	3	3	73	73			<0.2	<0.2	1.2	1.2
						6.1	0.3	324	18.3	18.3	8.1	8.1	30.1	30.1	95.7	95.7	7.5	7.5	4.4	4.4	4	4	74	74			<0.2	<0.2	1.3	1.3
					6.1	0.3	345	18.3	18.3	8.1	8.1	30.1	30.1	95.7	95.7	7.5	7.5	4.4	4.4	6	6	74	74	<0.2			<0.2	1.0	1.0	
					11.1	0.2	331	18.3	18.3	8.1	8.1	30.4	30.4	95.8	95.8	7.5	7.5	5.4	5.4	5	5	75	75	<0.2			<0.2	1.0	1.0	
					11.1	0.2	349	18.3	18.3	8.1	8.1	30.4	30.4	95.8	95.8	7.5	7.5	5.4	5.4	4	4	75	75	<0.2			<0.2	1.5	1.5	
C3	Sunny	Moderate	11:08	12.0	Surface	1.0	0.2	249	18.2	18.2	8.1	8.1	30.6	30.6	96.4	96.4	7.6	7.6	2.0	2.0	4	4	73	73	822136	817819	<0.2	<0.2	1.1	1.1
						1.0	0.2	254	18.2	18.2	8.1	8.1	30.6	30.6	96.4	96.4	7.6	7.6	2.0	2.0	2	2	73	73			<0.2	<0.2	0.9	0.9
						6.0	0.2	249	17.8	17.8	8.1	8.1	31.0	31.0	94.5	94.5	7.5	7.5	2.8	2.8	3	3	74	74			<0.2	<0.2	0.9	0.9
					6.0	0.2	266	17.8	17.8	8.1	8.1	31.0	31.0	94.5	94.5	7.5	7.5	2.8	2.8	3	3	74	74	<0.2			<0.2	0.9	0.9	
					11.0	0.2	267	17.8	17.8	8.1	8.1	31.0	31.0	94.9	94.9	7.5	7.5	1.6	1.6	4	4	74	74	<0.2			<0.2	1.0	1.0	
					11.0	0.2	279	17.8	17.8	8.1	8.1	31.0	31.0	94.9	94.9	7.5	7.5	1.6	1.6	4	4	75	75	<0.2			<0.2	1.0	1.0	
IM1	Sunny	Calm	12:21	7.3	Surface	1.0	0.2	350	18.4	18.4	8.2	8.2	30.7	30.7	111.0	111.0	8.7	8.7	2.9	2.9	2	2	72	72	818325	806457	<0.2	<0.2	0.7	0.7
						1.0	0.3	359	18.4	18.4	8.2	8.2	30.7	30.7	111.0	111.0	8.7	8.7	2.9	2.9	2	2	73	73			<0.2	<0.2	0.8	0.8
						3.7	0.3	358	18.2	18.2	8.3	8.3	30.7	30.7	110.0	110.0	8.6	8.6	3.7	3.7	3	3	73	73			<0.2	<0.2	0.8	0.8
					3.7	0.3	329	18.2	18.2	8.3	8.3	30.7	30.7	110.0	110.0	8.6	8.6	3.7	3.7	3	3	73	73	<0.2			<0.2	0.7	0.7	
					6.3	0.3	5	17.9	17.9	8.2	8.2	30.9	30.9	107.9	107.9	8.5	8.5	6.2	6.2	6	6	75	75	<0.2			<0.2	0.7	0.7	
					6.3	0.3	5	17.9	17.9	8.2	8.2	30.9	30.9	107.9	107.9	8.5	8.5	6.2	6.2	7	7	75	75	<0.2			<0.2	0.9	0.9	
IM2	Sunny	Calm	12:26	8.4	Surface	1.0	0.2	351	18.5	18.5	8.2	8.2	30.7	30.7	109.6	109.6	8.6	8.6	2.8	2.8	4	4	73	73	818876	806212	<0.2	<0.2	0.6	0.6
						1.0	0.2	323	18.5	18.5	8.2	8.2	30.7	30.7	109.6	109.6	8.6	8.6	2.8	2.8	4	4	73	73			<0.2	<0.2	0.7	0.7
						4.2	0.3	345	18.0	18.0	8.2	8.2	30.9	30.9	108.2	108.2	8.5	8.5	3.1	3.1	3	3	75	75			<0.2	<0.2	0.6	0.6
					4.2	0.3	317	18.0	18.0	8.2	8.2	30.9	30.9	108.2	108.2	8.5	8.5	3.1	3.1	3	3	75	75	<0.2			<0.2	0.6	0.6	
					7.4	0.3	350	17.9	17.9	8.2	8.2	30.9	30.9	103.0	103.0	8.1	8.1	3.6	3.6	6	6	76	76	<0.2			<0.2	0.7	0.7	
					7.4	0.3	322	17.9	17.9	8.2	8.2	30.9	30.9	103.0	103.0	8.1	8.1	3.6	3.6	5	5	75	75	<0.2			<0.2	0.7	0.7	
IM3	Sunny	Moderate	12:31	8.6	Surface	1.0	0.2	16	18.6	18.6	8.3	8.3	30.4	30.4	107.9	107.9	8.4	8.4	3.8	3.8	4	4	73	73	819434	806044	<0.2	<0.2	0.8	0.8
						1.0	0.2	16	18.6	18.6	8.3	8.3	30.4	30.4	107.9	107.9	8.4	8.4	3.8	3.8	3	3	73	73			<0.2	<0.2	0.8	0.8
						4.3	0.2	29	18.1	18.1	8.2	8.2	30.8	30.8	105.8	105.8	8.3	8.3	3.4	3.4	4	4	74	74			<0.2	<0.2	0.7	0.7
					4.3	0.2	31	18.1	18.1	8.2	8.2	30.8	30.8	105.8	105.8	8.3	8.3	3.4	3.4	6	6	74	74	<0.2			<0.2	0.7	0.7	
					7.6	0.2	40	18.0	18.0	8.2	8.2	30.9	30.9	101.1	101.1	8.0	8.0	3.5	3.5	4	4	75	75	<0.2			<0.2	0.7	0.7	
					7.6	0.2	41	18.0	18.0	8.2	8.2	30.9	30.9	101.1	101.1	8.0	8.0	3.5	3.5	4	4	75	75	<0.2			<0.2	0.7	0.7	
IM4	Sunny	Moderate	12:38	7.9	Surface	1.0	0.2	319	18.1	18.1	8.3	8.3	30.5	30.5	110.6	110.6	8.7	8.7	3.2	3.2	4	4	73	73	819558	805060	<0.2	<0.2	0.8	0.8
						1.0	0.2	345	18.1	18.1	8.3	8.3	30.5	30.5	110.6	110.6	8.7	8.7	3.2	3.2	5	5	73	73			<0.2	<0.2	1.0	1.0
						4.0	0.3	0	17.9	17.9	8.2	8.2	30.8	30.8	109.8	109.8	8.7	8.7	3.4	3.4	4	4	75	75			<0.2	<0.2	0.7	0.7
					4.0	0.3	0	17.9	17.9	8.2	8.2	30.8	30.8	109.8	109.8	8.7	8.7	3.4	3.4	4	4	75	75	<0.2			<0.2	0.7	0.7	
					6.9	0.2	0	17.9	17.9	8.2	8.2	30.9	30.9	107.4	107.4	8.5	8.5	4.4	4.4	4	4	76	76	<0.2			<0.2	0.6	0.6	
					6.9	0.2	0	17.9	17.9	8.2	8.2	30.9	30.9	107.4	107.4	8.5	8.5	4.4	4.4	4	4	76	76	<0.2			<0.2	0.5	0.5	
IM5	Sunny	Moderate	12:48	7.3	Surface	1.0	0.2	12	18.4	18.4	8.3	8.3	30.3	30.3	108.1	108.1	8.5	8.5	3.6	3.6	4	4	72	72	820561	804908	<0.2	<0.2	1.0	1.0
						1.0	0.2	12	18.3	18.3	8.3	8.3	30.3	30.3	108.1	108.1	8.5	8.5	3.7	3.7	4	4	73	73			<0.2	<0.2	0.9	0.9
						3.7	0.2	346	18.3	18.3	8.3	8.3	30.4	30.4	107.4	107.4	8.4	8.4	3.8	3.8	3	3	75	75			<0.2	<0.2	1.0	1.0
					3.7	0.2	318	18.3	18.3	8.3	8.3	30.4	30.4	107.4	107.4	8.4	8.4	3.8	3.8	4	4	75	75	<0.2			<0.2	0.9	0.9	
					6.3	0.2	350	18.1	18.1	8.2	8.2	30.7	30.7	101.6	101.6	8.0	8.0	5.0	5.0	5	5	76	76	<0.2			<0.2	0.9	0.9	
					6.3	0.2	322	18.1	18.1	8.2	8.2	30.7	30.7	101.6	101.6	8.0	8.0	5.0	5.0	3	3	76	76	<0.2			<0.2	0.8	0.8	
IM6	Sunny	Moderate	12:56	7.0	Surface	1.0	0.2	24	18.5	18.5	8.3	8.3	30.2	30.2	107.9	107.9	8.5	8.5	3.7	3.7	4	4	73	73	821046	805839	<0.2	<0.2	0.9	

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 10 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA							
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			
IM9	Sunny	Moderate	12:22	7.4	Surface	1.0	0.1	295	18.9	8.2	8.2	29.6	29.6	105.1	105.1	8.2	3.0	5	73	3.5	5	74	822066	808815	<0.2	1.2	<0.2	1.3										
						1.0	0.1	301	18.9	8.2	8.2	29.6	29.6	105.1	105.1	8.2	3.0	5	73						<0.2	1.6												
					Middle	3.7	0.1	312	18.4	8.3	8.3	29.7	29.7	102.6	102.6	8.1	4.0	5	74						<0.2	1.3												
						3.7	0.1	340	18.4	8.3	8.3	29.7	29.7	102.6	102.6	8.1	4.0	4	75						<0.2	1.2												
					Bottom	6.4	0.1	305	18.3	8.3	8.3	29.9	29.9	100.7	100.7	7.9	3.5	6	75						<0.2	1.2												
						6.4	0.1	326	18.3	8.3	8.3	29.9	29.9	100.7	100.7	7.9	3.5	4	75						<0.2	1.2												
IM10	Sunny	Moderate	12:16	6.9	Surface	1.0	0.2	309	18.4	8.2	8.2	29.9	29.9	99.7	99.6	7.8	3.1	3	73	3.8	4	74	822236	809836	<0.2	1.3	<0.2	1.3										
						1.0	0.2	332	18.4	8.2	8.2	29.9	29.9	99.5	99.6	7.8	3.2	2	73						<0.2	1.3												
					Middle	3.5	0.2	312	18.4	8.2	8.2	29.9	29.9	98.4	98.4	7.7	3.6	4	73						<0.2	1.2												
						3.5	0.2	337	18.4	8.2	8.2	29.9	29.9	98.4	98.4	7.7	3.6	4	73						<0.2	1.2												
					Bottom	5.9	0.2	319	18.3	8.1	8.1	30.1	30.1	97.8	97.8	7.7	4.7	4	75						<0.2	1.4												
						5.9	0.2	347	18.3	8.1	8.1	30.1	30.1	97.8	97.8	7.7	4.7	4	75						<0.2	1.3												
IM11	Sunny	Moderate	12:03	7.7	Surface	1.0	0.2	270	18.5	8.2	8.2	29.9	29.9	96.5	96.5	7.6	5.8	4	73	9.6	6	74	821487	810574	<0.2	1.5	<0.2	1.4										
						1.0	0.2	273	18.5	8.2	8.2	29.9	29.9	96.5	96.5	7.6	5.8	5	73						<0.2	1.6												
					Middle	3.9	0.1	275	18.3	8.1	8.1	30.0	30.0	94.4	94.4	7.4	9.0	6	74						<0.2	1.2												
						3.9	0.1	291	18.3	8.1	8.1	30.0	30.0	94.4	94.4	7.4	9.0	8	74						<0.2	1.3												
					Bottom	6.7	0.2	302	18.2	8.1	8.1	30.3	30.3	95.4	95.4	7.5	14.0	7	75						<0.2	1.4												
						6.7	0.2	330	18.2	8.1	8.1	30.3	30.3	95.4	95.4	7.5	14.0	6	75						<0.2	1.1												
IM12	Sunny	Moderate	11:55	8.1	Surface	1.0	0.2	275	18.3	8.1	8.1	30.0	30.0	94.1	94.1	7.4	3.7	2	73	7.4	4	74	821140	811528	<0.2	1.0	<0.2	1.1										
						1.0	0.2	277	18.3	8.1	8.1	30.0	30.0	94.1	94.1	7.4	3.7	4	73						<0.2	1.2												
					Middle	4.1	0.2	277	18.2	8.1	8.1	30.4	30.4	93.1	93.1	7.3	4.3	5	74						<0.2	1.1												
						4.1	0.3	293	18.2	8.1	8.1	30.4	30.4	93.1	93.1	7.3	4.3	3	75						<0.2	1.2												
					Bottom	7.1	0.2	296	18.1	8.1	8.1	30.6	30.6	95.0	95.0	7.5	5.8	6	75						<0.2	1.0												
						7.1	0.2	320	18.1	8.1	8.1	30.6	30.6	95.0	95.0	7.5	5.8	4	75						<0.2	0.9												
SR2	Sunny	Moderate	11:30	5.0	Surface	1.0	0.1	312	18.4	8.1	8.1	30.1	30.1	95.5	95.5	7.5	4.3	4	73	7.5	5	73	821457	814165	<0.2	1.2	<0.2	1.3										
						1.0	0.1	331	18.4	8.1	8.1	30.1	30.1	95.5	95.5	7.5	4.3	3	73						<0.2	1.3												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-			-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-			-	-	-	-	-	-	-	-	-	-
					Bottom	4.0	0.1	285	18.4	8.1	8.1	30.2	30.2	95.7	95.7	7.5	4.3	7	73						<0.2	1.3												
						4.0	0.1	288	18.4	8.1	8.1	30.2	30.2	95.7	95.7	7.5	4.3	5	74						<0.2	1.3												
SR3	Sunny	Moderate	12:37	9.2	Surface	1.0	0.1	15	19.1	8.2	8.2	29.4	29.4	104.6	104.7	8.1	2.5	4	-	8.2	2.7	4	-	822165	807558	-	-	-	-									
						1.0	0.1	15	19.1	8.2	8.2	29.4	29.4	104.7	104.7	8.1	2.5	3	-							-												
					Middle	4.6	0.2	14	18.2	8.2	8.2	29.8	29.8	103.4	103.4	8.2	2.3	4	-							-												
						4.6	0.2	15	18.2	8.2	8.2	29.8	29.8	103.4	103.4	8.2	2.3	3	-							-												
					Bottom	8.2	0.1	36	18.0	8.2	8.2	30.5	30.5	101.0	101.0	8.0	3.2	3	-							-												
						8.2	0.2	36	18.0	8.2	8.2	30.5	30.5	101.0	101.0	8.0	3.2	4	-							-												
SR4A	Sunny	Calm	11:42	9.2	Surface	1.0	0.2	272	18.3	8.2	8.2	29.9	29.9	104.2	104.2	8.2	3.4	2	-	8.2	3.6	3	-	817181	807798	-	-	-	-									
						1.0	0.2	280	18.3	8.2	8.2	29.9	29.9	104.2	104.2	8.2	3.4	2	-																			
					Middle	4.6	0.1	269	18.0	8.2	8.2	30.5	30.5	104.5	104.5	8.2	3.5	4	-							-												
						4.6	0.1	277	18.0	8.2	8.2	30.5	30.5	104.5	104.5	8.2	3.5	2	-							-												
					Bottom	8.2	0.1	294	17.9	8.2	8.2	30.8	30.8	102.1	102.1	8.1	3.8	3	-							-												
						8.2	0.1	315	17.9	8.2	8.2	30.8	30.8	102.1	102.1	8.1	3.8	3	-							-												
SR5A	Sunny	Calm	11:25	5.2	Surface	1.0	0.1	291	18.6	8.1	8.1	29.2	29.2	91.7	91.7	7.2	4.6	3	-	7.2	4.9	3	-	816597	810708	-	-	-	-									
						1.0	0.1	318	18.6	8.1	8.1	29.2	29.2	91.7	91.7	7.2	4.6	2	-																			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-											
					Bottom	4.2	0.1	285	18.6	8.1	8.1	29.4	29.4	91.7	91.7	7.2	5.2	3	-							-												
						4.2	0.1	290	18.6	8.1	8.1	29.4	29.4	91.7	91.7	7.2	5.2	3	-							-												
SR6	Sunny	Calm	11:02	4.3	Surface	1.0	0.0	218	18.6	8.1	8.1	29.1	29.1	92.1	92.1	7.2	12.4	3	-	7.2	14.1	4	-	817916	814652	-	-	-	-									
						1.0	0.0	234	18.6	8.1	8.1	29.1	29.1	92.1	92.1	7.2	12.4	3	-																			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-												
						-	-	-	-	-	-	-	-	-	-	-	-	-	-							-												
					Bottom	3.3	0.1	235	18.6	8.1	8.1	29.5	29.5	93.6	93.6	7.4	15.7	4	-							-												
						3.3	0.1	250	18.6	8.1	8.1	29.5	29.5	93.6	93.6	7.4	15.7	4	-							-												
SR7	Sunny	Moderate	10:34	23.7	Surface	1.0	0.0	220	17.9	8.1	8.1	30.9	30.9	95.2	95.2	7.5	2.4	4	-	7.5	2.4	3	-	823663	823764	-	-	-	-									
						1.0	0.0	228	17.9	8.1	8.1	30.9	30.9	95.2	95.2	7.5	2.3	2	-																			
					Middle	11.9	0.0	157	17.7	8.1	8.1	31.0	31.0	95.2	95.2	7.5	1.9	2	-							-												
						11.9	0.0	157	17.7	8.1	8.1	31.0	31.0	95.2	95.2	7.5	1.9	2	-							-												
					Bottom	22.7	0.0	130	17.6	8.1	8.1	31.1	31.1	95.8	95.8	7.6	2.8	2	-							-												
						22.7	0.0	139	17.6	8.1	8.1	31.1	31.1	95.8	95.8	7.6	2.8	3	-							-												
SR8	Sunny	Moderate	11:47	3.9	Surface	1.0	-	-	19.1	8.1	8.1	29.8	29.8	97.7	97.7	7.6	6.7	7	-	7.4	7	-	820246	811418	-	-	-	-										
						1.0	-	-	19.1	8.1	8.1	29.8	29.8	97.7	97.7	7.6	6.7	6	-																			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-						-													
					Bottom	2.9	-	-	18.4	8.1	8.1	30.1	30.1	96.2	96.2	7.6	8.1	7	-						-													
						2.9	-	-	18.4	8.1	8.1	30.1	30.1	96.2	96.2	7.6	8.1	7	-						-													

DA: Depth-Averaged

Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 13 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	10:43	8.8	Surface	1.0	0.2	53	18.8	18.8	8.3	8.3	29.1	29.2	118.1	117.9	9.2	8.9	6.0	7.1	10	11	73	75	815629	804225	<0.2	<0.2	3.1	3.0		
						1.0	0.2	57	18.8	8.3	8.3	29.2	29.2	117.8	117.9	9.2	8.9	6.0	7.1	10	11	74	75	<0.2			<0.2	3.4	3.0			
					Middle	4.4	0.0	12	18.3	18.3	8.2	8.2	30.2	30.2	109.9	109.8	8.6	8.4	7.3	7.1	12	11	75	75			<0.2	<0.2	3.2	3.6		
						4.4	0.0	12	18.3	18.3	8.2	8.2	30.2	30.2	109.8	109.8	8.6	8.4	7.4	7.1	11	10	75	75			<0.2	<0.2	3.2	3.6		
					Bottom	7.8	0.0	102	18.1	18.1	8.2	8.2	30.4	30.4	107.0	107.0	8.4	8.4	8.0	8.4	10	10	76	76			74	74	<0.2	<0.2	3.6	3.6
						7.8	0.0	105	18.1	18.1	8.2	8.2	30.4	30.4	107.0	107.0	8.4	8.4	7.9	8.4	10	10	77	77			74	74	<0.2	<0.2	3.6	3.6
C2	Sunny	Moderate	09:36	12.0	Surface	1.0	0.2	72	19.5	19.5	8.1	8.1	25.4	25.4	102.6	102.5	8.1	8.0	10.4	10.6	11	11	72	73	825710	806935	<0.2	<0.2	2.6	2.5		
						1.0	0.2	73	19.5	8.1	8.1	25.4	25.4	102.4	102.5	8.1	8.0	10.5	10.6	12	12	73	73	<0.2			<0.2	2.5	2.0			
					Middle	6.0	0.1	350	18.9	18.9	8.1	8.1	29.1	29.1	100.0	100.0	7.8	7.8	9.9	7.8	11	11	73	73			<0.2	<0.2	1.9	1.4		
						6.0	0.1	322	18.9	18.9	8.1	8.1	29.1	29.1	100.0	100.0	7.8	7.8	9.9	7.8	11	11	73	73			<0.2	<0.2	1.9	1.4		
					Bottom	11.0	0.1	346	18.6	18.6	8.1	8.1	30.1	30.1	101.4	101.5	7.9	7.9	11.5	11.5	11	11	74	74			74	74	<0.2	<0.2	1.4	1.5
						11.0	0.1	318	18.6	18.6	8.1	8.1	30.1	30.1	101.5	101.5	7.9	7.9	11.5	11.5	11	11	74	74			74	74	<0.2	<0.2	1.5	1.5
C3	Sunny	Moderate	11:22	11.9	Surface	1.0	0.2	72	18.7	18.7	8.2	8.2	30.4	30.4	102.0	102.0	7.9	7.8	3.3	4.6	6	6	73	73	822100	817786	<0.2	<0.2	1.1	1.0		
						1.0	0.2	72	18.7	18.7	8.2	8.2	30.4	30.4	102.0	102.0	7.9	7.8	3.3	4.6	6	6	73	73			<0.2	<0.2	1.1	1.0		
					Middle	6.0	0.2	74	18.3	18.3	8.1	8.1	30.6	30.6	98.1	98.1	7.7	7.7	4.7	4.7	6	6	73	73			<0.2	<0.2	0.9	0.8		
						6.0	0.2	77	18.3	18.3	8.1	8.1	30.6	30.6	98.1	98.1	7.7	7.7	4.7	4.7	6	6	73	73			<0.2	<0.2	0.8	0.8		
					Bottom	10.9	0.2	102	18.3	18.3	8.1	8.1	30.7	30.7	98.8	98.8	7.7	7.7	5.8	5.8	6	6	74	74			74	74	<0.2	<0.2	0.8	0.8
						10.9	0.2	106	18.3	18.3	8.1	8.1	30.7	30.7	98.8	98.8	7.7	7.7	5.8	5.8	6	6	74	74			74	74	<0.2	<0.2	0.8	0.8
IM1	Sunny	Moderate	10:23	7.1	Surface	1.0	0.1	55	18.8	18.8	8.3	8.3	30.3	30.3	123.8	123.4	9.6	9.3	5.8	6.4	6	9	73	74	818326	806460	<0.2	<0.2	2.3	2.6		
						1.0	0.1	60	18.8	18.8	8.3	8.3	30.3	30.3	123.1	123.4	9.6	9.3	5.9	6.4	6	9	73	74			<0.2	<0.2	2.6	2.3		
					Middle	3.6	0.1	350	18.9	18.9	8.3	8.3	30.4	30.4	115.4	115.4	8.9	8.9	6.7	6.8	10	11	74	74			<0.2	<0.2	2.8	2.8		
						3.6	0.1	322	18.9	18.9	8.3	8.3	30.4	30.4	115.4	115.4	8.9	8.9	6.8	6.8	11	9	74	74			<0.2	<0.2	2.3	2.3		
					Bottom	6.1	0.1	328	18.9	18.9	8.3	8.2	30.5	30.5	111.9	111.8	8.7	8.7	6.7	6.7	9	9	76	76			76	76	<0.2	<0.2	2.4	2.6
						6.1	0.1	336	18.9	18.9	8.2	8.2	30.5	30.5	111.7	111.8	8.7	8.7	6.8	6.8	9	9	76	76			76	76	<0.2	<0.2	2.6	2.6
IM2	Sunny	Moderate	10:18	8.2	Surface	1.0	0.1	28	18.9	18.9	8.3	8.3	30.4	30.4	121.7	121.7	9.4	9.2	6.3	7.3	10	9	72	74	818865	806218	<0.2	<0.2	3.0	2.9		
						1.0	0.1	29	18.9	18.9	8.3	8.3	30.4	30.4	121.8	121.7	9.4	9.2	6.4	7.3	9	9	72	74			<0.2	<0.2	2.9	2.9		
					Middle	4.1	0.1	44	18.6	18.7	8.2	8.2	30.4	30.4	115.7	115.4	9.0	9.0	7.7	7.9	8	9	74	74			<0.2	<0.2	2.8	2.8		
						4.1	0.1	48	18.7	18.7	8.2	8.2	30.4	30.4	115.1	115.4	9.0	9.0	7.9	7.9	9	9	74	74			<0.2	<0.2	2.8	2.8		
					Bottom	7.2	0.1	16	18.7	18.7	8.2	8.2	30.4	30.4	109.9	109.8	8.6	8.6	7.8	7.9	10	10	76	76			76	76	<0.2	<0.2	2.8	3.0
						7.2	0.1	17	18.7	18.7	8.2	8.2	30.4	30.4	109.7	109.8	8.5	8.6	7.9	7.9	10	10	76	76			76	76	<0.2	<0.2	3.0	3.0
IM3	Sunny	Moderate	10:13	8.3	Surface	1.0	0.1	33	18.8	18.8	8.3	8.3	29.9	29.9	122.7	122.4	9.6	9.5	6.5	7.3	8	10	72	74	819430	806047	<0.2	<0.2	2.9	3.0		
						1.0	0.1	33	18.8	18.8	8.3	8.3	30.0	30.0	122.1	122.4	9.5	9.5	6.7	7.3	8	10	72	74			<0.2	<0.2	3.0	3.0		
					Middle	4.2	0.1	54	18.7	18.7	8.2	8.2	30.4	30.4	120.8	120.8	9.4	9.4	7.6	7.6	11	10	73	73			<0.2	<0.2	2.9	3.0		
						4.2	0.1	54	18.7	18.7	8.2	8.2	30.4	30.4	120.8	120.8	9.4	9.4	7.6	7.6	9	10	73	73			<0.2	<0.2	3.0	3.1		
					Bottom	7.3	0.1	76	18.7	18.7	8.2	8.2	30.4	30.4	122.6	122.6	9.6	9.6	7.8	7.8	13	12	76	75			76	75	<0.2	<0.2	3.1	3.0
						7.3	0.1	80	18.7	18.7	8.2	8.2	30.4	30.4	122.7	122.6	9.6	9.6	7.8	7.8	12	12	75	75			75	75	<0.2	<0.2	3.0	3.0
IM4	Sunny	Moderate	10:05	7.7	Surface	1.0	0.1	358	18.8	18.8	8.3	8.3	29.5	29.5	121.9	121.8	9.5	9.3	6.3	7.5	9	10	73	75	819554	805017	<0.2	<0.2	3.3	3.2		
						1.0	0.1	329	18.8	18.8	8.3	8.3	29.6	29.6	121.7	121.8	9.5	9.3	6.3	7.5	8	10	73	75			<0.2	<0.2	3.0	3.1		
					Middle	3.9	0.1	354	18.6	18.6	8.2	8.2	30.4	30.4	115.1	115.0	9.0	9.0	7.9	7.9	8	10	75	76			<0.2	<0.2	3.1	3.0		
						3.9	0.1	326	18.6	18.6	8.2	8.2	30.4	30.4	115.0	115.0	9.0	9.0	7.9	7.9	8	10	76	76			<0.2	<0.2	3.0	3.5		
					Bottom	6.7	0.1	329	18.6	18.6	8.2	8.2	30.4	30.4	110.8	110.7	8.6	8.6	8.5	8.5	13	12	76	76			76	76	<0.2	<0.2	3.5	3.3
						6.7	0.1	354	18.6	18.6	8.2	8.2	30.4	30.4	110.6	110.6	8.6	8.6	8.4	8.4	12	10	76	76			76	76	<0.2	<0.2	3.3	3.3
IM5	Sunny	Moderate	09:55	7.0	Surface	1.0	0.2	42	18.8	18.8	8.3	8.3	29.8	29.9	123.7	123.4	9.6	9.4	7.7	8.2	10	10	73	75	820555	804943	<0.2	<0.2	3.0	3.1		
						1.0	0.2	45	18.8	18.8	8.3	8.3	29.9	29.9	123.2	123.4	9.6	9.4	7.8	8.2	9	10	73	75			<0.2	<0.2	3.0	3.1		
					Middle	3.5	0.2	24	18.7	18.7	8.3	8.3	30.1	30.1	118.1	118.0	9.2	9.2	8.4	8.5	9	10	75	75			<0.2	<0.2	3.2	3.2		
						3.5	0.2	25	18.7	18.7	8.3	8.3	30.1	30.1	118.0	118.0	9.2	9.2	8.5	8.5	9	10	75	75			<0.2	<0.2	3.3	3.3		
					Bottom	6.0	0.1	6	18.7	18.7	8.3	8.3	30.2	30.2	112.2	112.2	8.8	8.8	8.4	8.4	10	10	75	75			75	75	<0.2	<0.2	3.2	2.9
						6.0	0.1	6	18.7	18.7	8.3	8.3</																				



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 13 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	10:10	6.8	Surface	1.0	0.1	82	19.8	19.8	8.2	8.2	26.3	26.3	114.5	114.5	9.0	9.0	9.2	9.5	9	73	73	822068	808818	<0.2	2.2	1.4								
						1.0	0.1	85	19.8		8.2	8.2	26.3	26.3	114.5	114.5	9.0		9.2		10	73				<0.2	2.3									
					Middle	3.4	0.1	98	19.1	19.1	8.3	8.3	28.2	28.2	114.3	114.3	9.0	9.0	10.0	9.5	13	73	73	822068	808818	<0.2	1.2	1.4								
						3.4	0.1	102	19.1		8.3	8.3	28.2	28.2	114.3	114.3	9.0		10.0		13	73				<0.2	1.2									
					Bottom	5.8	0.1	103	18.9	18.9	8.3	8.3	30.0	30.0	113.6	113.6	8.8	8.8	9.3	8.8	12	74	74	822068	808818	<0.2	0.6	1.4								
						5.8	0.1	106	18.9		8.3	8.3	30.0	30.0	113.6	113.6	8.8		9.3		12	74				<0.2	0.7									
IM10	Sunny	Moderate	10:17	6.8	Surface	1.0	0.2	68	19.8	19.8	8.2	8.2	26.7	26.7	106.4	106.4	8.3	8.2	8.8	9.7	9	73	73	822243	809853	<0.2	1.9	1.5								
						1.0	0.2	71	19.8		8.2	8.2	26.7	26.7	106.4	106.4	8.3		8.8		10	73				<0.2	1.9									
					Middle	3.4	0.3	103	19.2	19.2	8.1	8.1	28.1	28.1	103.8	103.9	8.1	8.1	9.4	8.5	12	73	73	822243	809853	<0.2	1.2	1.5								
						3.4	0.3	109	19.2		8.1	8.1	28.1	28.1	103.9	103.9	8.1		9.4		12	73				<0.2	1.2									
					Bottom	5.8	0.2	78	19.2	19.2	8.2	8.2	28.8	28.8	104.7	104.7	8.2	8.2	10.8	8.2	12	74	74	822243	809853	<0.2	1.3	1.5								
						5.8	0.2	78	19.2		8.2	8.2	28.8	28.8	104.7	104.7	8.2		10.8		12	74				<0.2	1.4									
IM11	Sunny	Moderate	10:29	7.4	Surface	1.0	0.3	88	19.5	19.5	8.3	8.3	27.1	27.1	108.1	108.1	8.5	8.4	10.1	8.5	12	73	73	821474	810570	<0.2	2.8	1.6								
						1.0	0.3	93	19.5		8.3	8.3	27.1	27.1	108.1	108.1	8.5		10.1		11	73				<0.2	1.9									
					Middle	3.7	0.2	86	19.2	19.2	8.2	8.2	28.8	28.8	104.7	104.7	8.2	8.2	8.2	8.5	11	73	73	821474	810570	<0.2	1.2	1.6								
						3.7	0.2	91	19.2		8.2	8.2	28.8	28.8	104.7	104.7	8.2		8.2		12	73				<0.2	1.0									
					Bottom	6.4	0.1	99	18.9	18.9	8.2	8.2	29.6	29.6	104.4	104.4	8.1	8.1	7.2	8.1	12	74	74	821474	810570	<0.2	1.1	1.6								
						6.4	0.1	107	18.9		8.2	8.2	29.6	29.6	104.4	104.4	8.1		7.2		11	74				<0.2	1.3									
IM12	Sunny	Moderate	10:37	8.5	Surface	1.0	0.3	86	19.6	19.6	8.3	8.3	27.2	27.2	110.7	110.6	8.6	8.4	7.9	8.4	11	73	73	821136	811522	<0.2	1.7	1.3								
						1.0	0.3	88	19.6		8.3	8.3	27.2	27.2	110.5	110.6	8.6		8.0		11	73				<0.2	1.7									
					Middle	4.3	0.1	151	19.0	19.0	8.2	8.2	29.5	29.5	104.8	104.8	8.2	8.2	7.8	8.5	9	73	73	821136	811522	<0.2	1.1	1.3								
						4.3	0.1	163	19.0		8.2	8.2	29.5	29.5	104.8	104.8	8.2		7.8		10	74				<0.2	1.2									
					Bottom	7.5	0.0	166	18.9	18.9	8.2	8.2	29.8	29.8	103.7	103.7	8.1	8.1	7.9	8.1	10	74	74	821136	811522	<0.2	1.0	1.3								
						7.5	0.0	168	18.9		8.2	8.2	29.8	29.8	103.7	103.7	8.1		7.9		11	74				<0.2	1.0									
SR2	Sunny	Moderate	11:02	4.3	Surface	1.0	0.2	50	19.4	19.4	8.2	8.2	29.1	29.1	110.4	110.4	8.6	8.6	6.7	8.3	10	72	72	821472	814186	<0.2	0.9	0.9								
						1.0	0.2	50	19.4		8.2	8.2	29.1	29.1	110.4	110.4	8.6		6.7		10	72				<0.2	1.0									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6	-	8.3	-	-	-	73	821472	814186	<0.2	-	0.9					
						-	-	-	-		-	-	-	-	-	-	-	-	-		-		-	-					-	-		-	-	-	-	-
					Bottom	3.3	0.2	38	18.9	18.9	8.2	8.2	29.7	29.7	106.3	106.3	8.3	8.3	9.8	8.3	11	73	73	821472	814186	<0.2	0.8	0.9								
						3.3	0.2	38	18.9		8.2	8.2	29.7	29.7	106.3	106.3	8.3		9.8		12	73				<0.2	0.7									
SR3	Sunny	Moderate	09:55	8.7	Surface	1.0	0.2	124	19.6	19.6	8.2	8.2	26.3	26.3	117.1	117.1	9.2	9.1	8.6	9.5	9	-	-	822157	807545	-	-	-								
						1.0	0.2	127	19.6		8.2	8.2	26.3	26.3	117.1	117.1	9.2		8.6		9	-				-	-									
					Middle	4.4	0.2	70	18.7	18.7	8.3	8.3	29.9	29.9	115.4	115.4	9.0	9.0	9.1	8.9	10	-	-	-	-	-	-	-	-	-	-					
						4.4	0.2	70	18.7		8.3	8.3	29.9	29.9	115.4	115.4	9.0		9.1		10	-										-	-			
					Bottom	7.7	0.1	78	18.7	18.7	8.3	8.3	30.2	30.2	114.0	114.0	8.9	8.9	10.9	8.9	12	-	-	-	-	-	-	-	-	-	-	-				
						7.7	0.1	81	18.7		8.3	8.3	30.2	30.2	114.0	114.0	8.9		10.9		12	-											-	-		
SR4A	Fine	Calm	11:03	8.3	Surface	1.0	0.2	75	19.2	19.2	8.3	8.3	30.3	30.3	125.1	125.1	9.7	9.6	6.0	6.6	6	-	-	817170	807829	-	-	-								
						1.0	0.2	81	19.2		8.3	8.3	30.3	30.3	125.1	125.1	9.7		6.0		8	-				-										
					Middle	4.2	0.2	68	19.0	19.0	8.3	8.3	30.4	30.4	122.3	122.2	9.5	9.5	6.6	8.9	7	-	-	-	-	-	-	-	-	-	-					
						4.2	0.2	73	19.0		8.3	8.3	30.4	30.4	122.2	122.2	9.5		6.6		8	-										-				
					Bottom	7.3	0.2	69	18.9	18.9	8.3	8.3	30.4	30.4	114.6	114.5	8.9	8.9	7.3	8.9	7	-	-	-	-	-	-	-	-	-	-					
						7.3	0.2	69	18.9		8.3	8.3	30.4	30.4	114.4	114.4	8.9		7.3		9	-										-				
SR5A	Fine	Calm	11:20	5.0	Surface	1.0	0.1	69	19.4	19.4	8.1	8.1	29.8	29.9	100.9	100.9	7.8	7.8	6.7	7.5	8	-	-	816597	810670	-	-	-								
						1.0	0.1	75	19.4		8.1	8.1	29.9	29.9	100.9	100.9	7.8		6.7		8	-				-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.8	-	7.5	-	-	-	-	-	-	-	-	-					
						-	-	-	-		-	-	-	-	-	-	-	-	-		-		-									-	-			
					Bottom	4.0	0.1	34	19.2	19.2	8.1	8.1	30.1	30.1	100.8	100.8	7.8	7.8	8.3	8.1	7	-	-	-	-	-	-	-	-	-	-					
						4.0	0.1	37	19.2		8.1	8.1	30.0	30.1	100.9	100.9	7.8		8.3		8	-										-				
SR6	Fine	Calm	11:43	4.3	Surface	1.0	0.1	133	19.4	19.4	8.2	8.2	29.2	29.2	105.8	105.7	8.2	8.2	7.8	7.8	8	-	-	817907	814684	-	-	-								
						1.0	0.1	139	19.4		8.2	8.2	29.2	29.2	105.6	105.7	8.2		7.8		7	-				-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.2	-	7.8	-	-	-	-	-	-	-	-						
						-	-	-	-		-	-	-	-	-	-	-	-	-		-		-								-	-				
					Bottom	3.3	0.1	39	19.3	19.3	8.2	8.2	29.4	29.4	104.9	104.9	8.1	8.1	7.9	8.1	8	-	-	-	-	-	-	-	-	-	-					
						3.3	0.1	39	19.3		8.2	8.2	29.4	29.4	105.0	104.9	8.1		7.8		7	-										-				
SR7	Sunny	Moderate	11:52	24.0	Surface	1.0	0.3	69	18.4	18.4	8.1	8.1	30.6	30.6	98.5	98.5	7.7	7.7	4.8	4.2</																

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 13 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	06:15	8.2	Surface	1.0	0.4	56	18.7	18.7	8.3	8.3	30.1	30.1	116.5	116.5	9.1	9.0	7.0	9.1	8	8	72	74	815616	804226	<0.2	<0.2	3.2	3.2
						1.0	0.4	57	18.7	8.3	8.3	30.1	30.1	116.5	116.5	9.1	9.0	7.0	9.1	7	7	73	74	<0.2			<0.2	3.3	3.3	
						4.1	0.4	36	18.6	8.2	8.2	30.4	30.4	114.4	114.3	8.9	8.9	9.0	9.1	9	8	74	75	<0.2			<0.2	3.2	3.1	
					4.1	0.4	38	18.6	8.2	8.2	30.4	30.4	114.3	114.3	8.9	8.9	9.1	9.1	8	8	74	74	<0.2	<0.2			3.1	3.2		
					7.2	0.3	33	18.6	8.2	8.2	30.6	30.6	110.0	109.9	8.6	8.6	11.1	11.1	8	7	75	75	<0.2	<0.2			3.2	3.0		
					7.2	0.4	35	18.6	8.2	8.2	30.6	30.6	109.8	109.9	8.6	8.6	11.3	11.3	7	7	75	75	<0.2	<0.2			3.0	3.0		
C2	Fine	Moderate	06:50	11.5	Surface	1.0	0.2	351	19.4	19.4	8.1	8.1	24.6	24.6	100.5	100.5	8.0	7.8	12.1	12.1	7	7	73	73	825686	806956	<0.2	<0.2	3.4	3.4
						1.0	0.2	323	19.4	8.1	8.1	24.6	24.6	100.4	100.5	8.0	7.8	12.2	12.2	9	9	73	73	<0.2			<0.2	3.5	3.5	
						5.8	0.3	27	19.0	8.1	8.1	28.1	28.1	96.9	96.9	7.6	7.6	16.3	16.3	12	11	73	74	<0.2			<0.2	1.5	1.7	
					5.8	0.3	28	19.0	8.1	8.1	28.1	28.1	96.9	96.9	7.6	7.6	16.3	16.3	12	11	74	75	<0.2	<0.2			1.7	1.7		
					10.5	0.3	325	18.7	8.1	8.1	29.9	29.9	95.7	95.7	7.5	7.5	19.9	19.9	13	12	75	75	<0.2	<0.2			1.2	1.2		
					10.5	0.3	336	18.7	8.1	8.1	29.9	29.9	95.7	95.7	7.5	7.5	19.9	19.9	12	12	75	75	<0.2	<0.2			1.1	1.1		
C3	Fine	Moderate	05:03	11.0	Surface	1.0	0.5	262	18.7	18.7	8.2	8.2	29.9	29.9	102.1	102.1	8.0	8.0	4.0	4.4	6	6	73	73	822119	817783	<0.2	<0.2	0.7	0.8
						1.0	0.5	262	18.7	8.2	8.2	29.9	29.9	102.1	102.1	8.0	8.0	4.0	4.4	6	6	73	73	<0.2			<0.2	0.8	0.8	
						5.5	0.3	256	18.4	8.1	8.1	30.5	30.5	100.8	100.8	7.9	7.9	4.5	4.4	7	7	73	73	<0.2			<0.2	0.7	0.7	
					5.5	0.4	271	18.4	8.1	8.1	30.5	30.5	100.8	100.8	7.9	7.9	4.4	4.4	7	7	73	73	<0.2	<0.2			0.5	0.5		
					10.0	0.3	261	18.3	8.1	8.1	30.6	30.6	101.9	101.9	8.0	8.0	4.8	4.8	8	7	74	74	<0.2	<0.2			0.5	0.5		
					10.0	0.3	273	18.3	8.1	8.1	30.6	30.6	101.9	101.9	8.0	8.0	4.8	4.8	7	7	74	74	<0.2	<0.2			0.5	0.5		
IM1	Fine	Calm	06:33	7.1	Surface	1.0	0.4	351	18.8	18.8	8.3	8.3	29.9	29.9	116.1	116.0	9.0	8.9	7.2	7.6	6	8	73	73	818377	806480	<0.2	<0.2	3.0	3.0
						1.0	0.5	323	18.8	8.3	8.3	29.9	29.9	116.0	116.0	9.0	8.9	7.2	7.6	8	8	73	73	<0.2			<0.2	3.0	3.0	
						3.6	0.3	357	18.7	8.3	8.3	30.5	30.5	113.6	113.5	8.8	8.8	7.7	7.7	7	7	74	74	<0.2			<0.2	3.2	3.2	
					3.6	0.3	328	18.7	8.3	8.3	30.5	30.5	113.5	113.5	8.8	8.8	7.7	7.7	8	8	74	74	<0.2	<0.2			3.0	3.0		
					6.1	0.2	344	18.6	8.3	8.3	30.5	30.5	109.6	109.5	8.5	8.5	7.9	7.9	8	8	75	75	<0.2	<0.2			2.9	2.9		
					6.1	0.2	351	18.6	8.3	8.3	30.5	30.5	109.4	109.5	8.5	8.5	8.0	8.0	9	9	75	75	<0.2	<0.2			3.1	3.1		
IM2	Fine	Moderate	06:39	7.8	Surface	1.0	0.3	2	18.9	18.9	8.3	8.3	29.7	29.7	115.9	115.9	9.0	8.9	7.6	8.8	5	8	73	73	818848	806187	<0.2	<0.2	3.3	3.3
						1.0	0.3	2	18.8	8.3	8.3	29.7	29.7	115.9	115.9	9.0	8.9	7.6	8.8	6	8	73	75	<0.2			<0.2	3.2	3.2	
						3.9	0.3	8	18.6	8.2	8.2	30.5	30.6	113.0	112.9	8.8	8.8	9.5	9.5	8	8	76	74	<0.2			<0.2	3.2	3.3	
					3.9	0.3	8	18.6	8.2	8.2	30.6	30.6	112.8	112.9	8.8	8.8	9.5	9.5	9	9	74	74	<0.2	<0.2			3.3	3.3		
					6.8	0.3	13	18.6	8.2	8.2	30.6	30.6	108.7	108.6	8.5	8.5	9.5	9.5	10	10	76	76	<0.2	<0.2			3.3	3.3		
					6.8	0.3	13	18.6	8.2	8.2	30.6	30.6	108.5	108.6	8.4	8.4	9.4	9.4	9	9	76	76	<0.2	<0.2			3.5	3.5		
IM3	Fine	Moderate	06:44	8.0	Surface	1.0	0.3	33	19.0	18.9	8.2	8.2	29.4	29.4	115.8	115.8	9.0	8.9	8.1	10.5	6	7	73	74	819421	806036	<0.2	<0.2	3.4	3.5
						1.0	0.3	33	18.9	8.2	8.2	29.5	29.4	115.8	115.8	9.0	8.9	8.3	10.5	7	7	74	74	<0.2			<0.2	3.4	3.4	
						4.0	0.3	26	18.6	8.2	8.2	30.5	30.5	112.6	112.2	8.8	8.8	11.5	11.7	7	7	74	74	<0.2			<0.2	3.4	3.3	
					4.0	0.3	26	18.5	8.2	8.2	30.5	30.5	111.9	111.9	8.7	8.7	11.7	11.7	6	6	74	75	<0.2	<0.2			3.3	3.3		
					7.0	0.3	18	18.5	8.2	8.2	30.5	30.5	107.2	107.0	8.4	8.4	11.7	11.7	8	8	75	75	<0.2	<0.2			3.3	3.3		
					7.0	0.3	19	18.5	8.2	8.2	30.5	30.5	106.9	106.9	8.3	8.3	11.7	11.7	8	8	76	76	<0.2	<0.2			4.4	4.4		
IM4	Fine	Moderate	06:51	7.4	Surface	1.0	0.3	345	19.1	19.1	8.2	8.2	28.1	28.1	117.1	117.1	9.2	9.2	9.0	10.9	5	7	74	73	819590	805048	<0.2	<0.2	4.1	3.8
						1.0	0.3	317	19.1	8.2	8.2	28.1	28.1	117.2	117.1	9.2	9.2	9.1	10.9	6	7	73	73	<0.2			<0.2	3.7	3.7	
						3.7	0.3	7	18.8	8.2	8.2	29.7	29.7	116.7	116.6	9.1	9.1	11.1	11.2	7	7	75	76	<0.2			<0.2	3.7	3.6	
					3.7	0.3	7	18.8	8.2	8.2	29.7	29.7	116.6	116.6	9.1	9.1	11.2	11.2	8	8	76	76	<0.2	<0.2			3.6	3.6		
					6.4	0.3	342	18.8	8.2	8.2	30.1	30.1	112.6	112.4	8.8	8.8	12.5	12.5	10	10	76	76	<0.2	<0.2			3.9	3.9		
					6.4	0.3	315	18.8	8.2	8.2	30.1	30.1	112.3	112.4	8.8	8.8	12.5	12.5	8	8	76	76	<0.2	<0.2			3.7	3.7		
IM5	Fine	Moderate	07:00	6.4	Surface	1.0	0.4	359	19.0	19.0	8.2	8.2	29.3	29.3	117.0	117.0	9.1	9.1	10.2	13.6	8	8	73	75	820590	804908	<0.2	<0.2	3.7	3.7
						1.0	0.4	359	19.0	8.2	8.2	29.3	29.3	117.0	117.0	9.1	9.1	10.2	13.6	7	8	75	75	<0.2			<0.2	3.8	3.8	
						3.2	0.4	350	18.9	8.2	8.2	29.5	29.5	116.8	116.7	9.1	9.1	13.2	13.4	8	8	76	74	<0.2			<0.2	3.8	3.5	
					3.2	0.4	322	18.9	8.2	8.2	29.5	29.5	116.7	116.7	9.1	9.1	13.4	13.4	9	9	74	76	<0.2	<0.2			3.5	3.5		
					5.4	0.3	350	18.8	8.2	8.2	29.9	29.9	113.2	113.1	8.8	8.8	17.6	17.6	8	8	76	76	<0.2	<0.2			3.9	3.9		
					5.4	0.3	322	18.8	8.2	8.2	29.9	29.9	113.0	113.1	8.8	8.8	16.9	16.9	8	8	76	76	<0.2	<0.2			3.6	3.6		
IM6	Fine	Moderate	07:09	6.6	Surface	1.0	0.2	49	19.1	19.1	8.2	8.2	28.5	28.5	112.5	112.5	8.8	8.8	12.6	14.0	9	10	73	75	821030	805852	<0.2	<0.2	3.3	3.4
						1.0	0.2	51	19.1	8.2	8.2	28.5	28.5	112.6	112.5	8.8	8.8	12.9	14.0	8	10	73	75	<0.2			<0.2	3.4	3.3	
						3.3	0.2	49	18.9	8.2	8.2	29.6	29.6	112.6	112.6															



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 15 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
C1	Cloudy	Calm	11:44	8.6	Surface	1.0	0.1	122	19.1	8.2	8.2	27.8	27.8	119.0	119.0	9.3	8.9	7.6	9.9	7	8	71	71	815630	804276	<0.2	<0.2	3.0	2.9			
						1.0	0.1	124	19.1	8.2	8.2	27.8	27.8	118.9	118.9	9.3	8.9	7.7	9.9	8	7	72	72									
					Middle	4.3	0.1	222	18.6	8.2	8.2	29.5	29.5	108.3	108.3	8.5	8.5	9.3	9.9	6	8	73	73	<0.2	<0.2	2.8	2.9					
						4.3	0.1	229	18.6	8.2	8.2	29.5	29.5	108.2	108.2	8.5	8.5	9.2	9.9	8	7	73	73	<0.2	<0.2	2.9	3.0					
					Bottom	7.6	0.2	227	18.6	8.2	8.2	29.8	29.8	106.5	106.5	8.4	8.4	12.8	8.4	9	7	75	75	<0.2	<0.2	3.0	2.9					
						7.6	0.2	240	18.6	8.2	8.2	29.8	29.8	106.4	106.5	8.3	8.4	13.0	8.4	8	7	76	76	<0.2	<0.2	3.0	2.9					
C2	Cloudy	Moderate	10:40	12.0	Surface	1.0	0.2	94	19.5	8.2	8.2	26.7	26.7	103.1	103.1	8.1	8.1	16.7	17.0	11	11	71	71	825685	806938	<0.2	<0.2	2.8	2.8			
						1.0	0.3	96	19.5	8.2	8.2	26.7	26.7	103.1	103.1	8.1	8.1	16.7	17.0	11	11	71	71	<0.2	<0.2	2.8	2.8					
					Middle	6.0	0.1	86	19.3	8.2	8.2	27.7	27.7	102.2	102.2	8.0	8.0	17.0	17.0	19	16	73	73	<0.2	<0.2	2.4	2.4					
						6.0	0.1	91	19.3	8.2	8.2	27.7	27.7	102.2	102.2	8.0	8.0	17.0	17.0	18	16	73	73	<0.2	<0.2	2.3	2.3					
					Bottom	11.0	0.1	307	19.1	8.2	8.2	29.3	29.3	101.9	101.9	7.9	7.9	17.4	7.9	18	17	74	74	<0.2	<0.2	1.8	1.8					
						11.0	0.1	328	19.1	8.2	8.2	29.3	29.3	101.9	101.9	7.9	7.9	17.4	7.9	17	17	75	75	<0.2	<0.2	1.8	1.8					
C3	Cloudy	Moderate	12:24	12.0	Surface	1.0	0.5	71	19.1	8.2	8.2	29.4	29.4	104.0	104.0	8.1	8.0	5.5	5.0	8	8	73	73	822086	817821	<0.2	<0.2	1.4	1.4			
						1.0	0.5	72	19.1	8.2	8.2	29.4	29.4	104.0	104.0	8.1	8.0	5.5	5.0	7	7	73	73	<0.2	<0.2	1.4	1.4					
					Middle	6.0	0.3	87	18.8	8.1	8.1	30.0	30.0	100.4	100.4	7.8	7.8	4.8	4.8	9	8	75	75	<0.2	<0.2	1.2	1.2					
						6.0	0.3	90	18.8	8.1	8.1	30.0	30.0	100.4	100.4	7.8	7.8	4.8	4.8	9	7	75	75	<0.2	<0.2	1.3	1.3					
					Bottom	11.0	0.2	90	18.6	8.1	8.1	30.3	30.3	101.1	101.1	7.9	7.9	4.7	7.9	7	7	76	76	<0.2	<0.2	1.0	1.0					
						11.0	0.2	93	18.6	8.1	8.1	30.3	30.3	101.1	101.1	7.9	7.9	4.7	7.9	8	7	75	75	<0.2	<0.2	0.9	0.9					
IM1	Cloudy	Calm	11:25	7.3	Surface	1.0	0.1	151	19.1	8.3	8.3	28.9	28.9	120.8	120.8	9.4	9.2	9.8	13.0	9	9	72	72	818327	806433	<0.2	<0.2	2.9	3.0			
						1.0	0.1	162	19.1	8.3	8.3	28.9	28.9	120.7	120.8	9.4	9.2	9.8	13.0	9	9	72	72	<0.2	<0.2	3.2	3.1					
					Middle	3.7	0.1	163	19.0	8.2	8.2	29.1	29.1	115.7	115.7	9.0	9.0	12.7	11.8	11	11	73	73	<0.2	<0.2	2.8	2.8					
						3.7	0.1	175	19.0	8.2	8.2	29.1	29.1	115.6	115.7	9.0	9.0	13.0	11.8	11	11	73	73	<0.2	<0.2	3.1	3.1					
					Bottom	6.3	0.1	122	19.0	8.2	8.2	29.1	29.1	113.4	113.4	8.9	8.9	16.3	8.9	12	10	75	75	<0.2	<0.2	2.8	2.8					
						6.3	0.1	129	19.0	8.2	8.2	29.1	29.1	113.4	113.4	8.9	8.9	16.3	8.9	14	10	76	76	<0.2	<0.2	3.0	3.0					
IM2	Cloudy	Calm	11:20	8.1	Surface	1.0	0.1	336	19.0	8.3	8.3	29.0	29.0	120.6	120.6	9.4	9.2	10.0	11.8	9	9	72	72	818876	806170	<0.2	<0.2	3.1	2.9			
						1.0	0.1	309	19.0	8.3	8.3	29.0	29.0	120.5	120.6	9.4	9.2	10.0	11.8	8	8	73	73	<0.2	<0.2	2.8	2.8					
					Middle	4.1	0.0	320	19.0	8.2	8.2	29.2	29.2	113.8	113.8	8.9	8.9	12.1	11.8	10	10	74	74	<0.2	<0.2	3.1	3.1					
						4.1	0.0	334	19.0	8.2	8.2	29.2	29.2	113.7	113.8	8.9	8.9	12.2	11.8	10	10	74	74	<0.2	<0.2	2.9	2.9					
					Bottom	7.1	0.1	121	19.0	8.2	8.2	29.2	29.2	110.5	110.4	8.6	8.6	13.1	8.6	13	12	75	75	<0.2	<0.2	3.0	3.0					
						7.1	0.1	128	19.0	8.2	8.2	29.2	29.2	110.3	110.4	8.6	8.6	13.2	8.6	12	12	75	75	<0.2	<0.2	2.7	2.7					
IM3	Cloudy	Calm	11:15	8.2	Surface	1.0	0.1	74	19.1	8.3	8.3	29.1	29.1	121.0	121.0	9.4	9.2	9.8	11.9	8	8	72	72	819409	806021	<0.2	<0.2	2.8	2.7			
						1.0	0.1	80	19.1	8.3	8.3	29.1	29.1	120.8	121.0	9.4	9.2	9.8	11.9	10	10	73	73	<0.2	<0.2	2.7	2.7					
					Middle	4.1	0.2	99	19.0	8.2	8.2	29.3	29.3	113.6	113.6	8.9	8.9	12.4	11.9	14	12	73	73	<0.2	<0.2	2.6	2.6					
						4.1	0.2	102	19.0	8.2	8.2	29.3	29.3	113.5	113.6	8.9	8.9	12.5	11.9	13	12	74	74	<0.2	<0.2	2.7	2.7					
					Bottom	7.2	0.2	58	19.0	8.2	8.2	29.3	29.3	111.6	111.6	8.7	8.7	13.5	8.7	12	12	75	75	<0.2	<0.2	2.7	2.7					
						7.2	0.2	58	19.0	8.2	8.2	29.3	29.3	111.5	111.6	8.7	8.7	13.5	8.7	12	12	75	75	<0.2	<0.2	2.8	2.8					
IM4	Cloudy	Calm	11:07	7.7	Surface	1.0	0.1	62	19.3	8.3	8.3	28.6	28.6	122.0	122.0	9.5	9.2	9.9	11.7	9	9	72	72	819573	805034	<0.2	<0.2	2.5	2.6			
						1.0	0.1	64	19.3	8.3	8.3	28.6	28.6	122.0	122.0	9.5	9.2	10.0	11.7	10	10	72	72	<0.2	<0.2	2.6	2.5					
					Middle	3.9	0.1	77	19.0	8.2	8.2	29.3	29.3	113.7	113.7	8.9	8.9	12.3	11.7	9	10	73	73	<0.2	<0.2	2.5	2.5					
						3.9	0.1	79	19.0	8.2	8.2	29.3	29.3	113.7	113.7	8.9	8.9	12.3	11.7	10	10	73	73	<0.2	<0.2	2.6	2.6					
					Bottom	6.7	0.0	70	18.9	8.2	8.2	29.3	29.3	111.5	111.5	8.7	8.7	12.8	8.7	12	12	75	75	<0.2	<0.2	2.5	2.5					
						6.7	0.0	70	18.9	8.2	8.2	29.3	29.3	111.4	111.4	8.7	8.7	12.8	8.7	11	11	75	75	<0.2	<0.2	2.7	2.7					
IM5	Cloudy	Calm	10:57	6.8	Surface	1.0	0.1	65	19.2	8.3	8.3	28.5	28.5	121.8	121.8	9.5	9.3	12.4	13.5	11	12	71	71	820588	804924	<0.2	<0.2	2.7	2.6			
						1.0	0.1	65	19.2	8.3	8.3	28.5	28.5	121.7	121.8	9.5	9.3	12.4	13.5	10	12	72	72	<0.2	<0.2	2.6	2.6					
					Middle	3.4	0.1	53	19.1	8.2	8.2	29.0	29.0	117.0	117.0	9.1	9.1	13.4	13.5	9	10	73	73	<0.2	<0.2	2.7	2.6					
						3.4	0.1	58	19.1	8.2	8.2	29.0	29.0	117.0	117.0	9.1	9.1	13.5	13.5	10	10	73	73	<0.2	<0.2	2.6	2.6					
					Bottom	5.8	0.1	6	19.1	8.2	8.2	29.1	29.1	114.4	114.4	8.9	8.9	14.7	8.9	14	15	75	75	<0.2	<0.2	2.5	2.5					
						5.8	0.1	6	19.1	8.2	8.2	29.1	29.1	114.4	114.4	8.9	8.9	14.7	8.9	15	15	76	76	<0.2	<0.2	2.6	2.6					
IM6	Cloudy	Calm	10:48	6.9	Surface	1.0	0.2	300	19.3	8.3	8.3	28.6	28.6	122.3	122.3	9.5	9.5	12.4	13.0	15	16	72	72	821072	805835	<0.2	<0.2	2.6	2.6			
						1.0	0.2	306	19.3	8.3	8.3	28.6	28.6	122.3	122.3	9.5	9.5	12.6	13.0	15	16	72	72	<0.2	<0.2	2.8						



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 15 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Calm	07:15	8.2	Surface	1.0	0.5	27	19.0	8.2	8.2	29.1	29.1	115.2	115.2	9.0	9.0	17.3	17.3	13	13	72	72	815642	804225	<0.2	<0.2	1.8	1.7			
						1.0	0.5	29	19.0	19.0	8.2	8.2	29.1	29.1	115.2	115.2	9.0	9.0	17.2	17.2	14	14	72	72	<0.2	<0.2	1.7	1.7				
						4.1	0.5	22	19.0	19.0	8.2	8.2	29.2	29.2	113.5	113.5	8.9	8.9	18.5	18.5	13	13	73	73	<0.2	<0.2	1.6	1.6				
					Middle	4.1	0.5	23	19.0	19.0	8.2	8.2	29.2	29.2	113.4	113.4	8.9	8.9	18.6	18.6	14	14	73	73	73	73	<0.2	<0.2	1.6	1.7		
						7.2	0.5	20	18.9	18.9	8.2	8.2	29.4	29.4	109.9	109.9	8.6	8.6	21.7	21.7	15	15	74	74	<0.2	<0.2	1.7	1.7				
						7.2	0.5	21	18.9	18.9	8.2	8.2	29.4	29.4	109.8	109.8	8.6	8.6	21.5	21.5	14	14	75	75	<0.2	<0.2	1.5	1.5				
C2	Cloudy	Moderate	08:11	11.8	Surface	1.0	0.3	8	19.7	19.7	8.1	8.1	24.7	24.7	102.2	102.2	8.1	8.1	14.5	14.5	11	11	72	72	825667	806940	<0.2	<0.2	3.5	2.9		
						1.0	0.3	8	19.7	19.7	8.1	8.1	24.7	24.7	102.2	102.2	8.1	8.1	14.7	14.7	12	12	71	71	<0.2	<0.2	3.7	2.8				
						5.9	0.4	17	19.3	19.3	8.1	8.1	27.3	27.3	101.6	101.6	8.0	8.0	18.8	18.8	10	10	73	73	<0.2	<0.2	2.9	2.2				
					Middle	5.9	0.4	18	19.3	19.3	8.1	8.1	27.3	27.3	101.6	101.6	8.0	8.0	18.8	18.8	10	10	73	73	73	73	<0.2	<0.2	2.2	2.1		
						10.8	0.3	335	19.3	19.3	8.1	8.1	28.9	28.9	100.8	100.8	7.8	7.8	19.2	19.2	14	14	74	74	<0.2	<0.2	2.2	2.1				
						10.8	0.3	343	19.3	19.3	8.1	8.1	28.9	28.9	100.8	100.8	7.8	7.8	19.2	19.2	14	14	75	75	<0.2	<0.2	2.1	2.1				
C3	Cloudy	Moderate	06:25	11.2	Surface	1.0	0.7	268	19.0	19.0	8.2	8.2	29.4	29.4	102.0	102.0	8.0	8.0	7.0	7.0	6	6	73	73	822080	817822	<0.2	<0.2	1.5	1.3		
						1.0	0.7	274	19.0	19.0	8.2	8.2	29.4	29.4	102.0	102.0	8.0	8.0	7.0	7.0	5	5	73	73	<0.2	<0.2	1.3	1.3				
						5.6	0.6	265	18.9	18.9	8.1	8.1	29.8	29.8	101.4	101.4	7.9	7.9	8.3	8.3	5	5	74	74	<0.2	<0.2	1.3	1.3				
					Middle	5.6	0.6	272	18.9	18.9	8.1	8.1	29.8	29.8	101.4	101.4	7.9	7.9	8.3	8.3	7	7	74	74	74	74	<0.2	<0.2	1.4	1.3		
						10.2	0.4	263	18.9	18.9	8.1	8.1	29.8	29.8	101.8	101.8	7.9	7.9	8.2	8.2	8	8	76	76	<0.2	<0.2	1.3	1.3				
						10.2	0.4	279	18.9	18.9	8.1	8.1	29.8	29.8	102.0	102.0	7.9	7.9	7.9	7.9	10	10	76	76	<0.2	<0.2	1.2	1.2				
IM1	Cloudy	Calm	07:31	7.0	Surface	1.0	0.4	11	19.4	19.4	8.3	8.3	28.0	28.0	113.7	113.7	8.9	8.9	11.8	11.8	10	10	71	71	818362	806474	<0.2	<0.2	2.0	2.0		
						1.0	0.4	11	19.4	19.4	8.3	8.3	28.0	28.0	113.6	113.6	8.9	8.9	12.0	12.0	11	11	72	72	<0.2	<0.2	2.0	2.0				
						3.5	0.4	5	19.1	19.1	8.2	8.2	29.0	29.0	111.6	111.6	8.7	8.7	16.5	16.5	13	13	73	73	<0.2	<0.2	1.9	2.0				
					Middle	3.5	0.4	5	19.1	19.1	8.2	8.2	29.0	29.0	111.5	111.5	8.7	8.7	16.8	16.8	12	12	73	73	73	73	<0.2	<0.2	2.1	2.0		
						6.0	0.3	349	19.1	19.1	8.2	8.2	29.0	29.0	108.7	108.7	8.5	8.5	17.3	17.3	13	13	75	75	<0.2	<0.2	2.1	2.1				
						6.0	0.3	321	19.1	19.1	8.2	8.2	29.0	29.0	108.6	108.6	8.5	8.5	17.4	17.4	14	14	75	75	<0.2	<0.2	2.0	2.0				
IM2	Cloudy	Calm	07:36	8.1	Surface	1.0	0.4	28	19.4	19.4	8.2	8.2	27.8	27.8	116.4	116.5	9.1	9.1	10.7	10.7	13	13	71	71	818874	806219	<0.2	<0.2	2.0	1.9		
						1.0	0.4	29	19.4	19.4	8.2	8.2	27.8	27.8	116.5	116.5	9.1	9.1	10.8	10.8	12	12	71	71	<0.2	<0.2	1.9	1.9				
						4.1	0.4	24	19.2	19.2	8.2	8.2	28.8	28.8	116.8	116.8	9.1	9.1	16.5	16.5	11	11	73	73	<0.2	<0.2	1.9	2.0				
					Middle	4.1	0.5	25	19.2	19.2	8.2	8.2	28.8	28.8	116.8	116.8	9.1	9.1	16.4	16.4	12	12	73	73	73	73	<0.2	<0.2	2.0	1.8		
						7.1	0.4	26	19.2	19.2	8.2	8.2	28.8	28.8	113.1	113.1	8.8	8.8	17.7	17.7	13	13	75	75	<0.2	<0.2	1.8	1.8				
						7.1	0.4	26	19.2	19.2	8.2	8.2	28.8	28.8	113.0	113.0	8.8	8.8	17.5	17.5	12	12	75	75	<0.2	<0.2	2.0	2.0				
IM3	Cloudy	Calm	07:41	8.0	Surface	1.0	0.5	46	19.5	19.5	8.2	8.2	27.4	27.4	115.0	115.2	9.0	9.0	9.6	9.6	8	8	71	71	819438	806003	<0.2	<0.2	2.0	2.0		
						1.0	0.5	48	19.5	19.5	8.2	8.2	27.4	27.4	115.3	115.3	9.0	9.0	9.7	9.7	7	7	72	72	<0.2	<0.2	1.9	2.0				
						4.0	0.5	49	19.4	19.4	8.2	8.2	28.4	28.4	118.3	118.3	9.2	9.2	17.1	17.1	11	11	73	73	<0.2	<0.2	2.0	2.0				
					Middle	4.0	0.5	51	19.4	19.4	8.2	8.2	28.4	28.4	118.3	118.3	9.2	9.2	17.1	17.1	10	10	73	73	73	73	<0.2	<0.2	2.0	2.0		
						7.0	0.4	40	19.3	19.3	8.2	8.2	28.6	28.6	113.0	113.0	8.8	8.8	19.8	19.8	12	12	74	74	<0.2	<0.2	2.0	2.0				
						7.0	0.4	43	19.3	19.3	8.2	8.2	28.6	28.6	112.9	112.9	8.8	8.8	19.8	19.8	12	12	75	75	<0.2	<0.2	2.0	2.0				
IM4	Cloudy	Calm	07:49	7.4	Surface	1.0	0.4	46	19.5	19.5	8.2	8.2	27.5	27.5	114.4	114.5	8.9	8.9	10.0	10.0	9	9	72	72	819554	805009	<0.2	<0.2	2.8	2.7		
						1.0	0.5	46	19.5	19.5	8.2	8.2	27.5	27.5	114.6	114.5	9.0	9.0	10.0	10.0	8	8	72	72	<0.2	<0.2	2.5	2.8				
						3.7	0.4	42	19.4	19.4	8.2	8.2	28.3	28.3	117.2	117.2	9.1	9.1	16.8	16.8	7	7	73	73	<0.2	<0.2	2.6	2.7				
					Middle	3.7	0.5	43	19.4	19.4	8.2	8.2	28.3	28.3	117.2	117.2	9.1	9.1	16.8	16.8	8	8	73	73	73	73	<0.2	<0.2	2.6	2.7		
						6.4	0.4	37	19.4	19.4	8.2	8.2	28.3	28.3	115.7	115.7	9.0	9.0	17.6	17.6	8	8	75	75	<0.2	<0.2	2.7	2.6				
						6.4	0.4	39	19.4	19.4	8.2	8.2	28.3	28.3	115.7	115.7	9.0	9.0	17.6	17.6	8	8	75	75	<0.2	<0.2	2.6	2.6				
IM5	Cloudy	Calm	07:58	6.6	Surface	1.0	0.5	8	19.5	19.5	8.2	8.2	27.6	27.6	112.9	112.9	8.8	8.8	14.7	14.7	15	15	71	71	820577	804898	<0.2	<0.2	2.4	2.4		
						1.0	0.5	8	19.5	19.5	8.2	8.2	27.6	27.6	112.9	112.9	8.8	8.8	14.7	14.7	15	15	71	71	<0.2	<0.2	2.4	2.4				
						3.3	0.5	10	19.4	19.4	8.2	8.2	27.8	27.8	112.3	112.3	8.8	8.8	20.2	20.2	15	15	73	73	<0.2	<0.2	2.5	2.5				
					Middle	3.3	0.5	10	19.4	19.4	8.2	8.2	27.8	27.8	112.3	112.3	8.8	8.8	20.2	20.2	16	16	74	74	73	73	<0.2	<0.2	2.5	2.5		
						5.6	0.4	2	19.4	19.4	8.2	8.2	27.8	27.8	110.0	110.0	8.6	8.6	21.2	21.2	16	16	75	75	<0.2	<0.2	2.5	2.3				
						5.6	0.5	2	19.4	19.4	8.2	8.2	27.8	27.8	109.9	109.9	8.6	8.6	21.2	21.2	16	16	75	75	<0.2							

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 15 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	07:36	6.9	Surface	1.0	0.1	55	19.6	19.6	8.2	8.2	25.9	25.9	102.8	102.8	8.1	8.1	12.0	12.0	9	72	73	73	822084	808839	<0.2	2.9	<0.2	2.8				
						1.0	0.1	55	19.6	8.2	8.2	25.9	25.9	102.8	102.8	8.1	8.1	12.0	12.0	7	73	73	73											
					Middle	3.5	0.1	355	19.5	19.5	8.2	8.2	26.4	26.4	102.8	102.8	8.1	8.1	13.0	13.0	10	73	73	73										
						3.5	0.1	327	19.5	19.5	8.2	8.2	26.4	26.4	102.8	102.8	8.1	8.1	13.0	13.0	8	72	72	73										
					Bottom	5.9	0.1	321	19.5	19.5	8.2	8.2	27.0	27.0	101.8	101.8	8.0	8.0	15.2	15.2	14	75	75	75										
						5.9	0.1	331	19.5	19.5	8.2	8.2	27.0	27.0	101.8	101.8	8.0	8.0	15.2	15.2	15	74	74	75										
IM10	Cloudy	Moderate	07:30	7.6	Surface	1.0	0.4	321	19.5	19.5	8.2	8.2	27.6	27.6	109.6	109.6	8.6	8.6	11.2	11.2	4	72	72	73	822241	809818	<0.2	2.1	<0.2	2.0				
						1.0	0.4	335	19.5	19.5	8.2	8.2	27.6	27.6	109.6	109.6	8.6	8.6	11.2	11.2	5	72	72	73										
					Middle	3.8	0.4	331	19.4	19.4	8.3	8.3	28.4	28.4	110.1	110.1	8.6	8.6	20.6	20.6	7	73	73	73										
						3.8	0.4	352	19.4	19.4	8.3	8.3	28.4	28.4	110.1	110.1	8.6	8.6	20.6	20.6	6	73	73	73										
					Bottom	6.6	0.3	325	19.4	19.4	8.3	8.3	28.4	28.4	109.1	109.1	8.5	8.5	20.1	20.1	18	75	75	75										
						6.6	0.4	336	19.4	19.4	8.3	8.3	28.4	28.4	109.1	109.1	8.5	8.5	20.1	20.1	17	75	75	75										
IM11	Cloudy	Moderate	07:17	7.5	Surface	1.0	0.3	288	19.4	19.4	8.2	8.2	28.3	28.3	108.7	108.7	8.5	8.5	15.3	15.3	5	71	71	73	821499	810520	<0.2	2.2	<0.2	2.0				
						1.0	0.4	300	19.4	19.4	8.2	8.2	28.3	28.3	108.7	108.7	8.5	8.5	15.3	15.3	5	72	72	73										
					Middle	3.8	0.4	292	19.4	19.4	8.2	8.2	28.6	28.6	107.4	107.4	8.3	8.3	19.2	19.2	14	73	73	73										
						3.8	0.4	294	19.4	19.4	8.2	8.2	28.6	28.6	107.4	107.4	8.3	8.3	19.2	19.2	13	74	74	73										
					Bottom	6.5	0.3	301	19.4	19.4	8.2	8.2	28.7	28.7	104.8	104.8	8.1	8.1	21.8	21.8	25	74	74	74										
						6.5	0.3	322	19.4	19.4	8.2	8.2	28.7	28.7	104.8	104.8	8.1	8.1	21.8	21.8	24	75	75	74										
IM12	Cloudy	Moderate	07:10	7.4	Surface	1.0	0.5	282	19.3	19.3	8.2	8.2	28.9	28.9	109.3	109.3	8.5	8.5	14.3	14.3	11	73	73	74	821137	811515	<0.2	1.7	<0.2	1.6				
						1.0	0.5	307	19.3	19.3	8.2	8.2	28.9	28.9	109.3	109.3	8.5	8.5	14.3	14.3	11	73	73	74										
					Middle	3.7	0.4	282	19.3	19.3	8.2	8.2	28.9	28.9	107.3	107.3	8.3	8.3	15.5	15.5	12	74	74	74										
						3.7	0.5	300	19.3	19.3	8.2	8.2	28.9	28.9	107.3	107.3	8.3	8.3	15.5	15.5	13	74	74	74										
					Bottom	6.4	0.3	285	19.3	19.3	8.2	8.2	28.9	28.9	104.7	104.7	8.1	8.1	15.3	15.3	16	75	75	75										
						6.4	0.3	286	19.3	19.3	8.2	8.2	28.9	28.9	104.7	104.7	8.1	8.1	15.3	15.3	15	75	75	75										
SR2	Cloudy	Moderate	06:45	4.0	Surface	1.0	0.3	303	19.3	19.3	8.2	8.2	28.7	28.7	109.7	109.7	8.5	8.5	10.8	10.8	9	73	73	74	821451	814178	<0.2	1.7	<0.2	1.8				
						1.0	0.3	327	19.3	19.3	8.2	8.2	28.7	28.7	109.7	109.7	8.5	8.5	10.8	10.8	8	73	73	74										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					Bottom	3.0	0.2	300	19.3	19.3	8.2	8.2	28.8	28.8	105.7	105.7	8.2	8.2	9.1	9.1	12	74	74	74										
						3.0	0.2	317	19.3	19.3	8.2	8.2	28.8	28.8	105.7	105.7	8.2	8.2	9.1	9.1	10	74	74	74										
SR3	Cloudy	Moderate	07:52	8.7	Surface	1.0	0.2	27	19.7	19.7	8.1	8.1	25.2	25.2	104.9	104.9	8.3	8.3	13.0	13.0	7	-	-	-	822169	807597	-	-	-	-				
						1.0	0.2	28	19.7	19.7	8.1	8.1	25.2	25.2	104.9	104.9	8.3	8.3	13.0	13.0	6	-	-	-										
					Middle	4.4	0.5	18	19.5	19.5	8.2	8.2	26.9	26.9	107.6	107.6	8.4	8.4	18.8	18.8	7	-	-	-										
						4.4	0.5	18	19.5	19.5	8.2	8.2	26.9	26.9	107.6	107.6	8.4	8.4	18.8	18.8	8	-	-	-										
					Bottom	7.7	0.4	21	19.3	19.3	8.3	8.3	28.5	28.5	105.8	105.8	8.2	8.2	22.6	22.6	14	-	-	-										
						7.7	0.5	21	19.3	19.3	8.3	8.3	28.5	28.5	105.8	105.8	8.2	8.2	22.6	22.6	13	-	-	-										
SR4A	Cloudy	Calm	06:53	8.5	Surface	1.0	0.2	271	19.7	19.7	8.1	8.1	29.1	29.1	107.2	107.2	8.3	8.3	9.9	9.9	7	-	-	-	817204	807827	-	-	-	-				
						1.0	0.2	272	19.7	19.7	8.1	8.1	29.1	29.1	107.2	107.2	8.3	8.3	9.9	9.9	8	-	-	-										
					Middle	4.3	0.1	307	19.7	19.7	8.1	8.1	29.1	29.1	106.4	106.4	8.2	8.2	10.5	10.5	9	-	-	-										
						4.3	0.2	318	19.7	19.7	8.1	8.1	29.1	29.1	106.4	106.4	8.2	8.2	10.6	10.6	8	-	-	-										
					Bottom	7.5	0.1	310	19.7	19.7	8.1	8.1	29.1	29.1	105.5	105.5	8.1	8.1	10.4	10.4	8	-	-	-										
						7.5	0.1	340	19.7	19.7	8.1	8.1	29.1	29.1	105.5	105.5	8.1	8.1	10.5	10.5	9	-	-	-										
SR5A	Cloudy	Calm	06:37	4.5	Surface	1.0	0.2	295	19.6	19.6	8.1	8.1	29.1	29.1	102.4	102.4	7.9	7.9	9.6	9.6	8	-	-	-	816591	810696	-	-	-	-				
						1.0	0.2	315	19.6	19.6	8.1	8.1	29.1	29.1	102.4	102.4	7.9	7.9	9.6	9.6	9	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					Bottom	3.5	0.1	295	19.6	19.6	8.1	8.1	29.1	29.1	101.8	101.8	7.9	7.9	9.6	9.6	10	-	-	-										
						3.5	0.2	314	19.6	19.6	8.1	8.1	29.1	29.1	101.8	101.8	7.9	7.9	9.6	9.6	8	-	-	-										
SR6	Cloudy	Calm	06:14	3.8	Surface	1.0	0.2	240	19.4	19.4	8.1	8.1	28.9	28.9	102.2	102.2	7.9	7.9	11.3	11.3	9	-	-	-	817906	814689	-	-	-	-				
						1.0	0.2	263	19.4	19.4	8.1	8.1	28.9	28.9	102.1	102.1	7.9	7.9	11.3	11.3	8	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
					Bottom	2.8	0.2	234	19.4	19.4	8.1	8.1	28.9	28.9	100.6	100.6	7.8	7.8	11.9	11.9	10	-	-	-										
						2.8	0.2	256	19.4	19.4	8.1	8.1	28.9	28.9	100.5	100.5	7.8	7.8	12.0	12.0	12	-	-	-										
SR7	Cloudy	Moderate	05:55	16.5	Surface	1.0	0.1	52	19.0	19.0	8.2	8.2	29.5	29.5	101.7	101.7	7.9	7.9	6.9	6.9	5	-	-	-	823613	823731	-	-	-	-				
						1.0	0.1	53	19.0	19.0	8.2	8.2	29.5	29.5	101.7	101.7	7.9	7.9	6.9	6.9	6	-	-	-										
					Middle	8.3	0.2	79	18.9	18.9	8.1	8.1	29.9	29.9	100.1	100.1	7.8	7.8	14.0	14.0	4	-	-	-										
						8.3	0.2	83	18.9	18.9	8.1	8.1</																						

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 17 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	12:39	8.4	Surface	1.0	0.2	207	18.8	18.8	8.2	8.2	30.0	30.0	110.8	110.8	8.6	8.6	7.8	7.8	10	73	75	815598	804251	<0.2	<0.2	1.7	1.7							
						1.0	0.3	221	18.8	8.2	8.2	30.0	30.0	110.8	110.8	8.6	8.6	7.8	7.8	9	73	75														
					Middle	4.2	0.2	189	18.6	18.6	8.2	8.2	30.2	30.2	108.1	108.1	8.4	8.4	8.7	8.7	11	75	75													
						4.2	0.2	207	18.6	18.6	8.2	8.2	30.2	30.2	108.0	108.1	8.4	8.4	8.7	8.7	10	75	75													
					Bottom	7.4	0.1	233	18.4	18.4	8.2	8.2	30.5	30.5	105.3	105.3	8.2	8.2	9.6	9.6	14	77	77													
						7.4	0.1	236	18.4	18.4	8.2	8.2	30.5	30.5	105.2	105.3	8.2	8.2	9.5	9.5	15	77	77													
C2	Cloudy	Rough	11:38	11.8	Surface	1.0	0.2	290	20.0	20.0	8.1	8.1	26.4	26.4	97.5	97.5	7.6	7.6	20.4	20.4	15	71	71	825656	806918	<0.2	<0.2	2.2	2.2							
						1.0	0.2	313	20.0	20.0	8.1	8.1	26.4	26.4	97.5	97.5	7.6	7.6	20.4	20.4	16	71	71													
					Middle	5.9	0.0	99	19.9	19.9	8.1	8.1	26.5	26.5	98.9	98.9	7.7	7.7	22.8	22.8	17	73	73													
						5.9	0.0	106	19.9	19.9	8.1	8.1	26.5	26.5	98.9	98.9	7.7	7.7	22.8	22.8	18	73	73													
					Bottom	10.8	0.0	207	19.7	19.7	8.1	8.1	28.1	28.1	100.1	100.1	7.8	7.8	24.8	24.8	22	75	75													
						10.8	0.0	227	19.7	19.7	8.1	8.1	28.1	28.1	100.1	100.1	7.8	7.8	24.8	24.8	21	75	75													
C3	Cloudy	Moderate	13:55	11.5	Surface	1.0	0.4	37	19.9	19.9	8.2	8.2	28.5	28.5	101.8	101.8	7.8	7.8	8.5	8.5	12	73	73	822101	817797	<0.2	<0.2	1.2	1.2							
						1.0	0.4	37	19.9	19.9	8.2	8.2	28.5	28.5	101.8	101.8	7.8	7.8	8.5	8.5	13	73	73													
					Middle	5.8	0.3	85	19.4	19.4	8.2	8.2	29.0	29.0	97.3	97.3	7.5	7.5	12.5	12.5	14	75	75													
						5.8	0.3	85	19.4	19.4	8.2	8.2	29.0	29.0	97.2	97.3	7.5	7.5	12.8	12.8	14	74	74													
					Bottom	10.5	0.4	110	19.0	19.0	8.1	8.1	29.7	29.7	95.9	95.9	7.5	7.5	20.7	20.7	12	76	76													
						10.5	0.4	113	19.0	19.0	8.1	8.1	29.7	29.7	95.9	95.9	7.5	7.5	20.7	20.7	12	77	77													
IM1	Cloudy	Rough	12:21	7.6	Surface	1.0	0.3	263	19.4	19.4	8.2	8.2	29.2	29.2	109.6	109.6	8.5	8.5	16.0	16.0	16	73	73	818345	806485	<0.2	<0.2	1.7	1.7							
						1.0	0.4	263	19.4	19.4	8.2	8.2	29.2	29.2	109.6	109.6	8.5	8.5	16.0	16.0	17	73	73													
					Middle	3.8	0.1	269	19.1	19.1	8.2	8.2	29.6	29.6	108.5	108.5	8.4	8.4	16.5	16.5	18	75	75													
						3.8	0.1	286	19.1	19.1	8.2	8.2	29.6	29.6	108.4	108.5	8.4	8.4	16.5	16.5	17	75	75													
					Bottom	6.6	0.1	110	18.7	18.7	8.2	8.2	30.5	30.5	105.9	105.9	8.2	8.2	16.9	16.9	20	77	77													
						6.6	0.1	119	18.7	18.7	8.2	8.2	30.5	30.5	105.8	105.9	8.2	8.2	16.7	16.7	19	77	77													
IM2	Cloudy	Rough	12:15	8.5	Surface	1.0	0.4	252	19.3	19.3	8.2	8.2	29.4	29.4	109.9	109.9	8.5	8.5	15.4	15.4	17	74	74	818872	806173	<0.2	<0.2	1.6	1.6							
						1.0	0.5	257	19.3	19.3	8.2	8.2	29.4	29.4	109.9	109.9	8.5	8.5	15.5	15.5	16	73	73													
					Middle	4.3	0.2	289	19.0	19.0	8.2	8.2	29.8	29.8	108.2	108.2	8.4	8.4	16.6	16.6	18	75	75													
						4.3	0.2	300	19.0	19.0	8.2	8.2	29.8	29.8	108.2	108.2	8.4	8.4	16.5	16.5	20	75	75													
					Bottom	7.5	0.0	288	18.6	18.6	8.2	8.2	30.5	30.5	105.1	105.1	8.2	8.2	19.1	19.1	18	78	78													
						7.5	0.0	305	18.6	18.6	8.2	8.2	30.5	30.5	105.0	105.1	8.2	8.2	18.9	18.9	19	77	77													
IM3	Cloudy	Rough	12:09	8.6	Surface	1.0	0.4	282	19.4	19.4	8.2	8.2	29.1	29.1	109.9	109.9	8.5	8.5	16.0	16.0	16	73	73	819401	806014	<0.2	<0.2	1.7	1.7							
						1.0	0.4	293	19.4	19.4	8.2	8.2	29.1	29.1	109.9	109.9	8.5	8.5	16.0	16.0	15	73	73													
					Middle	4.3	0.1	281	19.2	19.2	8.2	8.2	29.4	29.4	108.8	108.8	8.4	8.4	15.8	15.8	15	75	75													
						4.3	0.1	281	19.2	19.2	8.2	8.2	29.4	29.4	108.8	108.8	8.4	8.4	15.8	15.8	15	75	75													
					Bottom	7.6	0.1	139	19.0	19.0	8.2	8.2	29.9	29.9	106.9	106.9	8.3	8.3	16.3	16.3	17	77	77													
						7.6	0.1	149	19.0	19.0	8.2	8.2	29.9	29.9	106.9	106.9	8.3	8.3	16.1	16.1	18	77	77													
IM4	Cloudy	Rough	12:00	7.9	Surface	1.0	0.2	306	18.7	18.7	8.2	8.2	30.4	30.4	110.0	110.0	8.6	8.6	11.4	11.4	10	73	73	819544	805027	<0.2	<0.2	1.6	1.6							
						1.0	0.2	335	18.7	18.7	8.2	8.2	30.4	30.4	110.0	110.0	8.6	8.6	11.5	11.5	10	74	74													
					Middle	4.0	0.2	337	18.7	18.7	8.2	8.2	30.4	30.4	109.2	109.2	8.5	8.5	11.4	11.4	15	75	75													
						4.0	0.2	310	18.7	18.7	8.2	8.2	30.4	30.4	109.2	109.2	8.5	8.5	11.4	11.4	16	76	76													
					Bottom	6.9	0.2	302	18.6	18.6	8.2	8.2	30.5	30.5	107.7	107.7	8.4	8.4	12.9	12.9	14	77	77													
						6.9	0.2	320	18.6	18.6	8.2	8.2	30.5	30.5	107.6	107.6	8.4	8.4	13.1	13.1	14	77	77													
IM5	Cloudy	Rough	11:50	7.3	Surface	1.0	0.1	168	18.9	18.9	8.2	8.2	29.7	29.7	108.4	108.4	8.4	8.4	19.0	19.0	15	73	73	820581	804929	<0.2	<0.2	1.8	1.8							
						1.0	0.1	184	18.9	18.9	8.2	8.2	29.7	29.7	108.3	108.4	8.4	8.4	19.2	19.2	13	73	73													
					Middle	3.7	0.1	182	18.9	18.9	8.2	8.2	29.8	29.8	107.5	107.5	8.4	8.4	21.9	21.9	16	75	75													
						3.7	0.1	190	18.9	18.9	8.2	8.2	29.8	29.8	107.4	107.5	8.4	8.4	21.8	21.8	15	75	75													
					Bottom	6.3	0.1	157	18.9	18.9	8.2	8.2	29.8	29.8	105.9	105.9	8.3	8.3	25.2	25.2	15	77	77													
						6.3	0.1	168	18.9	18.9	8.2	8.2	29.8</																							



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 17 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
IM9	Cloudy	Rough	12:24	7.3	Surface	1.0	0.1	253	19.9	19.9	8.2	8.2	27.5	27.5	106.8	106.8	8.3	8.4	13.3	16.1	9	72	73	822081	808825	<0.2	1.7	<0.2	1.8				
						1.0	0.1	256	19.9	8.2	8.2	27.5	27.5	106.8	106.8	8.3	8.4	13.3	16.1	10	72	73	822081	808825	<0.2	1.7	<0.2	1.8					
					Middle	3.7	0.1	92	19.9	19.9	8.3	8.3	27.7	27.7	107.9	107.9	8.4	8.4	15.3	11	10	73	73	822081	808825	<0.2	1.7	<0.2	1.8				
						3.7	0.1	93	19.9	19.9	8.3	8.3	27.7	27.7	107.9	107.9	8.4	8.4	15.3	11	10	73	73	822081	808825	<0.2	1.7	<0.2	1.8				
					Bottom	6.3	0.2	96	19.7	19.7	8.3	8.3	28.3	28.3	106.7	106.7	8.3	8.3	19.6	11	10	75	75	822081	808825	<0.2	1.7	<0.2	1.8				
						6.3	0.3	102	19.7	19.7	8.3	8.3	28.3	28.3	106.7	106.7	8.3	8.3	19.6	10	10	75	75	822081	808825	<0.2	1.7	<0.2	1.8				
IM10	Cloudy	Rough	12:37	7.6	Surface	1.0	0.3	118	20.1	20.1	8.2	8.2	27.6	27.6	104.2	104.2	8.0	8.0	11.3	12.4	10	72	73	822218	809855	<0.2	1.7	<0.2	1.6				
						1.0	0.3	119	20.1	20.1	8.2	8.2	27.6	27.6	104.2	104.2	8.0	8.0	11.3	12.4	11	72	73	822218	809855	<0.2	1.7	<0.2	1.6				
					Middle	3.8	0.3	108	20.1	20.1	8.2	8.2	27.6	27.6	103.8	103.8	8.0	8.0	11.9	11	11	73	73	822218	809855	<0.2	1.6	<0.2	1.6				
						3.8	0.3	117	20.1	20.1	8.2	8.2	27.6	27.6	103.8	103.8	8.0	8.0	11.9	11	11	73	73	822218	809855	<0.2	1.6	<0.2	1.6				
					Bottom	6.6	0.2	110	20.0	20.0	8.2	8.2	27.8	27.8	103.1	103.1	8.0	8.0	14.1	11	10	74	75	822218	809855	<0.2	1.7	<0.2	1.7				
						6.6	0.2	119	20.0	20.0	8.2	8.2	27.8	27.8	103.1	103.1	8.0	8.0	14.1	10	10	75	75	822218	809855	<0.2	1.7	<0.2	1.7				
IM11	Cloudy	Rough	12:50	7.4	Surface	1.0	0.1	79	20.3	20.3	8.2	8.2	27.7	27.7	106.8	106.8	8.2	8.2	9.1	9.4	8	72	73	821526	810537	<0.2	1.7	<0.2	1.6				
						1.0	0.2	79	20.3	20.3	8.2	8.2	27.7	27.7	106.8	106.8	8.2	8.2	9.1	9.4	9	72	73	821526	810537	<0.2	1.6	<0.2	1.8				
					Middle	3.7	0.1	116	20.2	20.2	8.2	8.2	27.8	27.8	105.7	105.7	8.1	8.1	9.5	9	9	73	73	821526	810537	<0.2	1.8	<0.2	1.8				
						3.7	0.1	121	20.2	20.2	8.2	8.2	27.8	27.8	105.7	105.7	8.1	8.1	9.5	9	9	73	73	821526	810537	<0.2	1.8	<0.2	1.8				
					Bottom	6.4	0.1	102	20.1	20.1	8.2	8.2	28.0	28.0	104.5	104.5	8.1	8.1	9.7	8	75	75	821526	810537	<0.2	1.7	<0.2	1.7					
						6.4	0.1	110	20.1	20.1	8.2	8.2	28.0	28.0	104.5	104.5	8.1	8.1	9.7	10	75	75	821526	810537	<0.2	1.7	<0.2	1.7					
IM12	Cloudy	Rough	13:06	8.0	Surface	1.0	0.3	66	20.2	20.2	8.2	8.2	27.7	27.7	104.9	104.9	8.1	8.1	11.1	11.0	10	73	75	821146	811495	<0.2	1.8	<0.2	1.8				
						1.0	0.3	66	20.2	20.2	8.2	8.2	27.7	27.7	104.9	104.9	8.1	8.1	11.1	11.0	10	73	75	821146	811495	<0.2	1.8	<0.2	1.8				
					Middle	4.0	0.3	105	20.1	20.1	8.2	8.2	27.8	27.8	104.3	104.3	8.0	8.0	11.0	14	14	74	75	821146	811495	<0.2	1.7	<0.2	1.8				
						4.0	0.3	114	20.1	20.1	8.2	8.2	27.8	27.8	104.3	104.3	8.0	8.0	11.0	14	14	75	75	821146	811495	<0.2	1.8	<0.2	1.7				
					Bottom	7.0	0.3	114	20.1	20.1	8.2	8.2	27.9	27.9	104.0	104.0	8.0	8.0	10.9	12	12	76	76	821146	811495	<0.2	1.9	<0.2	1.9				
						7.0	0.3	117	20.1	20.1	8.2	8.2	27.9	27.9	104.0	104.0	8.0	8.0	10.9	13	13	77	77	821146	811495	<0.2	1.9	<0.2	1.9				
SR2	Cloudy	Rough	13:33	4.2	Surface	1.0	0.5	92	19.9	19.9	8.2	8.2	28.3	28.3	102.4	102.4	7.9	7.9	9.3	9.0	9	73	74	821486	814169	<0.2	1.6	<0.2	1.6				
						1.0	0.5	96	19.9	19.9	8.2	8.2	28.3	28.3	102.4	102.4	7.9	7.9	9.3	9.0	8	73	74	821486	814169	<0.2	1.6	<0.2	1.6				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.2	0.3	92	20.1	20.1	8.2	8.2	28.1	28.1	102.7	102.7	7.9	7.9	8.7	8	75	75	821486	814169	<0.2	1.5	<0.2	1.5					
						3.2	0.3	96	20.1	20.1	8.2	8.2	28.1	28.1	102.7	102.7	7.9	7.9	8.7	10	75	75	821486	814169	<0.2	1.5	<0.2	1.5					
SR3	Cloudy	Rough	12:07	9.2	Surface	1.0	0.1	290	19.6	19.6	8.3	8.3	28.6	28.6	109.7	109.7	8.5	8.5	15.7	16.0	15	-	-	822125	807576	-	-	-	-	-			
						1.0	0.1	300	19.6	19.6	8.3	8.3	28.6	28.6	109.7	109.7	8.5	8.5	15.7	16.0	16	-	-	822125	807576	-	-	-	-	-			
					Middle	4.6	0.1	13	19.6	19.6	8.3	8.3	28.6	28.6	108.3	108.3	8.4	8.4	15.7	14	-	-	-	-	-	822125	807576	-	-	-	-	-	
						4.6	0.1	14	19.6	19.6	8.3	8.3	28.6	28.6	108.3	108.3	8.4	8.4	15.7	15	-	-	-	-	-	822125	807576	-	-	-	-	-	
					Bottom	8.2	0.2	67	19.5	19.5	8.2	8.2	28.8	28.8	105.3	105.3	8.2	8.2	16.5	15	-	-	-	-	-	822125	807576	-	-	-	-	-	
						8.2	0.2	67	19.5	19.5	8.2	8.2	28.7	28.7	105.2	105.2	8.2	8.2	16.5	14	-	-	-	-	-	822125	807576	-	-	-	-	-	
SR4A	Cloudy	Calm	13:01	8.7	Surface	1.0	0.2	69	20.0	20.0	8.2	8.2	29.1	29.1	110.7	110.7	8.5	8.5	12.9	16.2	9	-	-	817216	807813	-	-	-	-	-			
						1.0	0.2	75	20.0	20.0	8.2	8.2	29.1	29.1	110.7	110.7	8.5	8.5	13.0	16.2	9	-	-	817216	807813	-	-	-	-	-			
					Middle	4.4	0.3	71	18.9	18.9	8.2	8.2	30.2	30.2	107.7	107.7	8.4	8.4	16.4	10	11	-	-	-	-	817216	807813	-	-	-	-	-	
						4.4	0.3	73	18.9	18.9	8.2	8.2	30.2	30.2	107.7	107.7	8.4	8.4	16.5	10	11	-	-	-	-	817216	807813	-	-	-	-	-	
					Bottom	7.7	0.2	57	18.7	18.7	8.2	8.2	30.4	30.4	105.1	105.1	8.2	8.2	19.3	15	-	-	-	-	-	-	817216	807813	-	-	-	-	-
						7.7	0.2	61	18.8	18.8	8.2	8.2	30.4	30.4	105.0	105.0	8.2	8.2	19.2	14	-	-	-	-	-	-	817216	807813	-	-	-	-	-
SR5A	Cloudy	Calm	13:17	4.3	Surface	1.0	0.1	335	20.8	20.8	8.1	8.1	28.2	28.2	101.1	101.1	7.7	7.7	9.5	10.1	8	-	-	816617	810703	-	-	-	-	-			
						1.0	0.1	341	20.8	20.8	8.1	8.1	28.2	28.2	101.1	101.1	7.7	7.7	9.6	7	-	-	-	-	816617	810703	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816617	810703	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816617	810703	-	-	-	-
					Bottom	3.3	0.1	351	20.6	20.6	8.1	8.1	28.2	28.2	100.7	100.7	7.7	7.7	10.6	8	-	-	-	-	-	-	816617	810703	-	-	-	-	-
						3.3	0.1	323	20.6	20.6	8.1	8.1	28.2	28.2	100.7	100.7	7.7	7.7	10.5	7	-	-	-	-	-	-	816617	810703	-	-	-	-	-

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 17 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	07:48	8.2	Surface	1.0	0.3	56	19.2	8.2	8.2	28.9	28.9	110.1	110.1	8.6	8.6	17.3	17.3	13	13	73	73	815621	804231	<0.2	<0.2	1.2	1.2							
						1.0	0.3	57	19.2	8.2	8.2	28.9	28.9	110.0	110.0	8.6	8.6	17.4	17.4	13	13	74	74	<0.2	<0.2	1.4	1.4									
						4.1	0.5	41	19.2	8.2	8.2	29.0	29.0	109.3	109.3	8.5	8.5	19.0	19.0	13	13	75	75	<0.2	<0.2	1.2	1.2									
					Middle	4.1	0.5	45	19.2	8.2	8.2	29.0	29.0	109.3	109.3	8.5	8.5	19.3	19.3	15	15	75	75	<0.2	<0.2	1.2	1.2									
						7.2	0.5	40	19.1	8.2	8.2	29.1	29.1	106.3	106.3	8.3	8.3	23.7	23.7	18	18	77	77	<0.2	<0.2	1.2	1.2									
						7.2	0.5	41	19.1	8.2	8.2	29.1	29.1	106.3	106.3	8.3	8.3	23.8	23.8	16	16	77	77	<0.2	<0.2	1.3	1.3									
C2	Cloudy	Rough	08:26	11.9	Surface	1.0	0.6	328	19.9	8.1	8.1	26.7	26.7	95.6	95.6	7.5	7.5	16.4	16.4	13	13	72	72	825667	806932	<0.2	<0.2	1.9	1.9							
						1.0	0.6	348	19.9	8.1	8.1	26.7	26.7	95.6	95.6	7.5	7.5	16.4	16.4	14	14	71	71	<0.2	<0.2	2.1	2.1									
						6.0	0.6	339	19.9	8.1	8.1	26.7	26.7	95.1	95.1	7.4	7.4	19.7	19.7	17	17	73	73	<0.2	<0.2	2.0	2.0									
					Middle	6.0	0.6	312	19.9	8.1	8.1	26.7	26.7	95.1	95.1	7.4	7.4	19.7	19.7	15	15	73	73	<0.2	<0.2	2.1	2.1									
						10.9	0.4	343	19.9	8.0	8.0	26.7	26.7	95.6	95.6	7.4	7.4	24.3	24.3	19	19	75	75	<0.2	<0.2	2.1	2.1									
						10.9	0.4	316	19.9	8.0	8.0	26.7	26.7	95.6	95.6	7.4	7.4	24.3	24.3	21	21	74	74	<0.2	<0.2	2.1	2.1									
C3	Cloudy	Rough	06:42	11.3	Surface	1.0	0.8	261	19.7	8.2	8.2	28.2	28.2	102.9	102.9	8.0	8.0	5.6	5.6	7	7	73	73	822116	817794	<0.2	<0.2	2.0	2.0							
						1.0	0.8	266	19.7	8.2	8.2	28.2	28.2	102.9	102.9	8.0	8.0	5.6	5.6	5	5	73	73	<0.2	<0.2	2.0	2.0									
						5.7	0.5	263	19.6	8.2	8.2	28.7	28.7	100.5	100.5	7.8	7.8	9.3	9.3	6	6	75	75	<0.2	<0.2	1.8	1.8									
					Middle	5.7	0.6	282	19.6	8.2	8.2	28.7	28.7	100.5	100.5	7.8	7.8	9.3	9.3	5	5	75	75	<0.2	<0.2	1.8	1.8									
						10.3	0.3	265	19.4	8.1	8.1	29.0	29.0	100.2	100.2	7.8	7.8	12.9	12.9	7	7	77	77	<0.2	<0.2	1.7	1.7									
						10.3	0.3	270	19.4	8.1	8.1	29.0	29.0	100.2	100.2	7.8	7.8	12.9	12.9	6	6	77	77	<0.2	<0.2	1.8	1.8									
IM1	Cloudy	Moderate	08:05	7.4	Surface	1.0	0.5	357	19.8	8.3	8.3	27.7	27.7	109.6	109.6	8.5	8.5	17.5	17.5	12	12	74	74	818335	806452	<0.2	<0.2	2.0	2.0							
						1.0	0.5	328	19.8	8.3	8.3	27.7	27.7	109.6	109.6	8.5	8.5	17.6	17.6	12	12	74	74	<0.2	<0.2	1.9	1.9									
						3.7	0.6	3	19.8	8.2	8.2	27.7	27.7	109.1	109.1	8.5	8.5	20.6	20.6	11	11	75	75	<0.2	<0.2	2.0	2.0									
					Middle	3.7	0.6	3	19.8	8.2	8.2	27.7	27.7	109.1	109.1	8.5	8.5	20.2	20.2	11	11	76	76	<0.2	<0.2	1.9	1.9									
						6.4	0.5	2	19.6	8.2	8.2	28.4	28.4	106.5	106.5	8.3	8.3	26.0	26.0	12	12	77	77	<0.2	<0.2	2.0	2.0									
						6.4	0.6	2	19.6	8.2	8.2	28.4	28.4	106.4	106.4	8.2	8.2	26.1	26.1	12	12	78	78	<0.2	<0.2	1.7	1.7									
IM2	Cloudy	Moderate	08:11	8.1	Surface	1.0	0.6	9	19.8	8.2	8.2	27.6	27.6	109.0	109.0	8.5	8.5	9.8	9.8	9	9	73	73	818874	806211	<0.2	<0.2	1.9	1.9							
						1.0	0.6	9	19.8	8.2	8.2	27.6	27.6	108.9	108.9	8.5	8.5	9.9	9.9	8	8	74	74	<0.2	<0.2	1.7	1.7									
						4.1	0.5	9	19.8	8.2	8.2	27.6	27.6	108.6	108.6	8.4	8.4	11.3	11.3	10	10	76	76	<0.2	<0.2	1.8	1.8									
					Middle	4.1	0.6	9	19.8	8.2	8.2	27.6	27.6	108.5	108.5	8.4	8.4	11.4	11.4	8	8	76	76	<0.2	<0.2	1.7	1.7									
						7.1	0.5	10	19.7	8.2	8.2	27.9	27.9	106.9	106.9	8.3	8.3	26.5	26.5	10	10	78	78	<0.2	<0.2	1.7	1.7									
						7.1	0.6	10	19.7	8.2	8.2	28.0	28.0	106.8	106.8	8.3	8.3	26.7	26.7	9	9	78	78	<0.2	<0.2	1.8	1.8									
IM3	Cloudy	Moderate	08:16	8.5	Surface	1.0	0.4	355	19.9	8.2	8.2	27.4	27.4	107.0	107.0	8.3	8.3	15.3	15.3	9	9	74	74	819407	806042	<0.2	<0.2	1.6	1.6							
						1.0	0.4	327	19.9	8.2	8.2	27.4	27.4	107.0	107.0	8.3	8.3	15.5	15.5	10	10	74	74	<0.2	<0.2	1.9	1.9									
						4.3	0.5	13	19.9	8.2	8.2	27.4	27.4	106.6	106.6	8.3	8.3	19.2	19.2	12	12	76	76	<0.2	<0.2	1.9	1.9									
					Middle	4.3	0.5	13	19.9	8.2	8.2	27.4	27.4	106.6	106.6	8.3	8.3	19.1	19.1	13	13	76	76	<0.2	<0.2	1.6	1.6									
						7.5	0.4	16	19.8	8.2	8.2	27.5	27.5	105.5	105.5	8.2	8.2	22.2	22.2	15	15	78	78	<0.2	<0.2	1.6	1.6									
						7.5	0.4	16	19.8	8.2	8.2	27.5	27.5	105.5	105.5	8.2	8.2	22.3	22.3	14	14	78	78	<0.2	<0.2	1.7	1.7									
IM4	Cloudy	Moderate	08:24	7.7	Surface	1.0	0.6	350	19.7	8.2	8.2	27.9	27.9	109.4	109.4	8.5	8.5	14.3	14.3	12	12	74	74	819546	805048	<0.2	<0.2	1.6	1.6							
						1.0	0.6	322	19.7	8.2	8.2	27.9	27.9	109.4	109.4	8.5	8.5	14.4	14.4	11	11	74	74	<0.2	<0.2	1.6	1.6									
						3.9	0.6	354	19.6	8.2	8.2	27.9	27.9	108.7	108.7	8.4	8.4	17.2	17.2	12	12	76	76	<0.2	<0.2	1.6	1.6									
					Middle	3.9	0.6	326	19.6	8.2	8.2	27.9	27.9	108.7	108.7	8.4	8.4	16.9	16.9	14	14	76	76	<0.2	<0.2	1.7	1.7									
						6.7	0.5	5	19.5	8.2	8.2	28.0	28.0	106.6	106.6	8.3	8.3	24.4	24.4	15	15	78	78	<0.2	<0.2	1.6	1.6									
						6.7	0.5	5	19.5	8.2	8.2	28.0	28.0	106.5	106.5	8.3	8.3	21.6	21.6	14	14	78	78	<0.2	<0.2	1.6	1.6									
IM5	Cloudy	Moderate	08:33	7.0	Surface	1.0	0.5	4	19.8	8.2	8.2	27.5	27.5	108.1	108.1	8.4	8.4	13.8	13.8	14	14	74	74	820593	804944	<0.2	<0.2	1.8	1.8							
						1.0	0.5	4	19.8	8.2	8.2	27.5	27.5	108.1	108.1	8.4	8.4	13.6	13.6	13	13	74	74	<0.2	<0.2	1.8	1.8									
						3.5	0.5	3	19.8	8.2	8.2	27.5	27.5	107.5	107.5	8.3	8.3	15.2	15.2	14	14	76	76	<0.2	<0.2	2.0	2.0									
					Middle	3.5	0.5	3	19.8	8.2	8.2	27.5	27.5	107.5	107.5	8.3	8.3	15.0	15.0	15	15	76	76	<0.2	<0.2	2.0	2.0									
						6.0	0.5	6	19.8	8.2	8.2	27.5	27.5	106.1	106.1	8.2	8.2	22.4	22.4	16	16	78	78	<0.2	<0.2	1.9	1.9									
						6.0	0.5	6	19.8	8.2	8.2	27.5	27.5	106.0	106.0	8.2	8.2	22.5	22.5	16	16	78	78	<0.2	<0.2	2.0	2.0									
IM6	Cloudy	Moderate	08:40	6.9	Surface	1.0	0.4	13	19.9	8.2	8.2	27.4	27.4	104.9	104.9	8.1	8.1	14.8	14.8	14	14	74	74	821049	805806	<0.2	<0.2	2.0	2.0							
						1.0	0.5	14	19.9	8.2	8.2	27.4	27.4	104.9	104.9	8.1	8.1	14.8	14.8	14	14	74	74	<0.2	<0.2	2.0	2.0									
						3.5																														

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 17 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Rough	07:54	7.6	Surface	1.0	0.2	326	19.9	19.9	8.4	8.4	27.1	27.1	99.1	99.1	7.7	7.7	18.4	18.4	15	72	73	822070	808818	<0.2	2.0	<0.2	2.3			
						1.0	0.3	338	19.9	19.9	8.4	8.4	27.1	27.1	99.1	99.1	7.7	7.7	18.4	18.4	13	72	73	73	822070	808818	<0.2	2.0	<0.2	2.3		
					Middle	3.8	0.2	348	19.9	19.9	8.4	8.4	27.1	27.1	99.2	99.2	7.7	7.7	18.8	18.8	13	73	73	73	822070	808818	<0.2	2.0	<0.2	2.3		
						3.8	0.2	356	19.9	19.9	8.4	8.4	27.1	27.1	99.2	99.2	7.7	7.7	18.8	18.8	13	73	73	73	822070	808818	<0.2	2.0	<0.2	2.3		
					Bottom	6.6	0.2	3	19.9	19.9	8.3	8.3	27.1	27.1	99.4	99.4	7.7	7.7	22.6	22.6	25	75	75	75	822070	808818	<0.2	2.5	<0.2	2.5		
						6.6	0.3	3	19.9	19.9	8.3	8.3	27.1	27.1	99.4	99.4	7.7	7.7	22.6	22.6	24	75	75	75	822070	808818	<0.2	2.5	<0.2	2.5		
IM10	Cloudy	Rough	07:47	8.0	Surface	1.0	0.5	303	20.0	20.0	8.2	8.2	27.5	27.5	104.9	104.9	8.1	8.1	20.8	20.8	12	72	73	822239	809863	<0.2	2.3	<0.2	2.1			
						1.0	0.6	321	20.0	20.0	8.2	8.2	27.5	27.5	104.9	104.9	8.1	8.1	20.8	20.8	13	72	73	73	822239	809863	<0.2	2.3	<0.2	2.5		
					Middle	4.0	0.5	306	20.0	20.0	8.2	8.2	27.5	27.5	104.6	104.6	8.1	8.1	20.4	20.4	14	73	73	73	822239	809863	<0.2	2.5	<0.2	2.2		
						4.0	0.5	308	20.0	20.0	8.2	8.2	27.5	27.5	104.6	104.6	8.1	8.1	20.4	20.4	13	73	73	73	822239	809863	<0.2	1.9	<0.2	2.2		
					Bottom	7.0	0.4	310	20.0	20.0	8.2	8.2	27.5	27.5	104.0	104.0	8.1	8.1	24.1	24.1	30	75	75	75	822239	809863	<0.2	1.9	<0.2	2.0		
						7.0	0.4	320	20.0	20.0	8.2	8.2	27.5	27.5	104.0	104.0	8.1	8.1	24.1	24.1	29	75	75	75	822239	809863	<0.2	2.0	<0.2	2.0		
IM11	Cloudy	Rough	07:34	7.6	Surface	1.0	0.4	282	20.1	20.1	8.2	8.2	27.9	27.9	104.6	104.6	8.1	8.1	18.7	18.7	12	72	73	821492	810558	<0.2	2.2	<0.2	2.3			
						1.0	0.5	292	20.1	20.1	8.2	8.2	27.9	27.9	104.6	104.6	8.1	8.1	18.7	18.7	13	72	73	73	821492	810558	<0.2	2.3	<0.2	2.3		
					Middle	3.8	0.4	289	20.1	20.1	8.2	8.2	27.9	27.9	104.4	104.4	8.0	8.0	21.4	21.4	15	73	73	73	821492	810558	<0.2	2.2	<0.2	2.2		
						3.8	0.4	304	20.1	20.1	8.2	8.2	27.9	27.9	104.4	104.4	8.0	8.0	21.4	21.4	14	73	73	73	821492	810558	<0.2	2.3	<0.2	2.2		
					Bottom	6.6	0.4	300	20.1	20.1	8.2	8.2	28.0	28.0	104.1	104.1	8.0	8.0	25.5	25.5	36	75	75	75	821492	810558	<0.2	2.2	<0.2	2.2		
						6.6	0.4	323	20.1	20.1	8.2	8.2	28.0	28.0	104.1	104.1	8.0	8.0	25.5	25.5	35	74	74	74	821492	810558	<0.2	2.4	<0.2	2.4		
IM12	Cloudy	Rough	07:28	7.0	Surface	1.0	0.7	275	20.0	20.0	8.2	8.2	28.0	28.0	105.2	105.2	8.1	8.1	19.9	19.9	19	71	73	821163	811527	<0.2	2.0	<0.2	1.9			
						1.0	0.7	287	20.0	20.0	8.2	8.2	28.0	28.0	105.2	105.2	8.1	8.1	19.9	19.9	19	72	73	73	821163	811527	<0.2	2.0	<0.2	2.1		
					Middle	3.5	0.6	281	20.0	20.0	8.2	8.2	28.0	28.0	104.9	104.9	8.1	8.1	20.8	20.8	18	73	73	73	821163	811527	<0.2	2.0	<0.2	2.1		
						3.5	0.6	295	20.0	20.0	8.2	8.2	28.0	28.0	104.9	104.9	8.1	8.1	20.8	20.8	19	73	73	73	821163	811527	<0.2	2.0	<0.2	2.0		
					Bottom	6.0	0.5	280	20.0	20.0	8.2	8.2	28.0	28.0	104.2	104.2	8.0	8.0	23.2	23.2	20	74	74	74	821163	811527	<0.2	2.2	<0.2	2.2		
						6.0	0.5	287	20.0	20.0	8.2	8.2	28.0	28.0	104.2	104.2	8.0	8.0	23.2	23.2	19	74	74	74	821163	811527	<0.2	2.3	<0.2	2.3		
SR2	Cloudy	Rough	07:02	4.3	Surface	1.0	0.1	279	19.9	19.9	8.2	8.2	28.0	28.0	106.7	106.7	8.2	8.2	20.0	20.0	19	72	73	821443	814161	<0.2	2.1	<0.2	2.4			
						1.0	0.1	294	19.9	19.9	8.2	8.2	28.0	28.0	106.7	106.7	8.2	8.2	20.0	20.0	19	73	73	73	821443	814161	<0.2	2.4	<0.2	2.1		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821443	814161	<0.2	-	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	821443	814161	<0.2	-	<0.2	-
					Bottom	3.3	0.1	313	19.9	19.9	8.2	8.2	28.0	28.0	104.4	104.4	8.1	8.1	20.9	20.9	19	75	75	75	821443	814161	<0.2	2.1	<0.2	2.1		
						3.3	0.1	329	19.9	19.9	8.2	8.2	28.0	28.0	104.4	104.4	8.1	8.1	20.9	20.9	18	76	76	76	821443	814161	<0.2	2.2	<0.2	2.2		
SR3	Cloudy	Rough	08:08	8.7	Surface	1.0	0.4	1	19.8	19.8	8.2	8.2	26.6	26.6	97.3	97.3	7.6	7.6	17.8	17.8	17	-	-	822120	807544	-	-	-	-			
						1.0	0.5	1	19.8	19.8	8.2	8.2	26.6	26.6	97.3	97.3	7.6	7.6	17.8	17.8	15	-	-	-	822120	807544	-	-	-	-		
					Middle	4.4	0.5	15	19.9	19.9	8.2	8.2	26.7	26.7	97.6	97.6	7.6	7.6	18.3	18.3	17	-	-	-	-	822120	807544	-	-	-	-	
						4.4	0.5	16	19.9	19.9	8.2	8.2	26.7	26.7	97.6	97.6	7.6	7.6	18.3	18.3	16	-	-	-	-	822120	807544	-	-	-	-	
					Bottom	7.7	0.4	14	19.9	19.9	8.2	8.2	26.8	26.8	98.3	98.3	7.7	7.7	25.6	25.6	26	-	-	-	-	-	822120	807544	-	-	-	-
						7.7	0.4	14	19.9	19.9	8.2	8.2	26.8	26.8	98.3	98.3	7.7	7.7	25.6	25.6	28	-	-	-	-	-	822120	807544	-	-	-	-
SR4A	Cloudy	Moderate	07:25	8.5	Surface	1.0	0.2	233	20.5	20.5	8.2	8.2	28.2	28.2	102.5	102.5	7.8	7.8	10.7	10.7	6	-	-	817217	807808	-	-	-	-			
						1.0	0.2	245	20.5	20.5	8.2	8.2	28.2	28.2	102.5	102.5	7.8	7.8	10.8	10.8	7	-	-	-	-	817217	807808	-	-	-	-	
					Middle	4.3	0.2	224	20.5	20.5	8.2	8.2	28.2	28.2	101.9	101.9	7.8	7.8	11.5	11.5	7	-	-	-	-	817217	807808	-	-	-	-	
						4.3	0.2	238	20.5	20.5	8.2	8.2	28.2	28.2	101.9	101.9	7.8	7.8	11.6	11.6	8	-	-	-	-	817217	807808	-	-	-	-	
					Bottom	7.5	0.1	215	20.5	20.5	8.1	8.1	28.2	28.2	101.2	101.2	7.7	7.7	12.2	12.2	10	-	-	-	-	-	817217	807808	-	-	-	-
						7.5	0.1	230	20.5	20.5	8.1	8.1	28.2	28.2	101.2	101.2	7.7	7.7	12.3	12.3	11	-	-	-	-	-	817217	807808	-	-	-	-
SR5A	Cloudy	Calm	07:09	4.2	Surface	1.0	0.3	284	20.4	20.4	8.1	8.1	28.2	28.2	101.3	101.3	7.7	7.7	12.6	12.6	13	-	-	816587	810713	-	-	-	-			
						1.0	0.3	289	20.4	20.4	8.1	8.1	28.2	28.2	101.3	101.3	7.7	7.7	12.5	12.5	12	-	-	-	-	816587	810713	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816587	810713	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816587	810713	-	-	-	-
					Bottom	3.2	0.2	287	20.4	20.4	8.1	8.1	28.3	28.3	101.1	101.1	7.7	7.7	14.7	14.7	12	-	-	-	-							

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 20 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:13	8.8	Surface	1.0	0.7	168	20.2	8.1	8.1	29.8	29.8	104.3	104.3	7.9	7.9	4.7	7.9	8	7	73	75	815615	804267	<0.2	<0.2	1.5	1.4	
						1.0	0.7	183	20.2	8.1	8.1	29.8	29.8	104.3	104.3	7.9	7.9	4.6	7.9	6	7	73	75	<0.2	<0.2	1.5	1.4			
					Middle	4.4	0.3	197	20.0	20.0	8.1	8.1	29.7	29.7	103.7	103.7	7.9	7.9	4.9	7.9	8	7	75	75	<0.2	<0.2	1.5	1.4		
						4.4	0.3	210	20.0	20.0	8.1	8.1	29.7	29.7	103.7	103.7	7.9	7.9	4.9	7.9	6	7	75	75	<0.2	<0.2	1.5	1.4		
					Bottom	7.8	0.3	178	20.0	20.0	8.1	8.1	30.0	30.0	102.5	102.5	7.8	7.8	6.4	7.8	6	7	76	76	<0.2	<0.2	1.3	1.3		
						7.8	0.3	181	20.0	20.0	8.1	8.1	30.0	30.0	102.0	102.3	7.8	7.8	6.5	7.8	7	7	76	76	<0.2	<0.2	1.3	1.3		
C2	Cloudy	Rough	13:05	12.1	Surface	1.0	0.3	160	20.8	8.0	8.0	27.1	27.1	92.5	92.5	7.1	7.1	10.7	7.1	15	17	73	73	825710	806942	<0.2	<0.2	2.6	2.6	
						1.0	0.3	164	20.8	8.0	8.0	27.1	27.1	92.5	92.5	7.1	7.1	11.0	7.1	16	17	73	73	<0.2	<0.2	2.5	2.5			
					Middle	6.1	0.1	137	20.5	20.5	8.0	8.0	28.4	28.4	92.5	92.5	7.0	7.0	13.3	7.0	16	17	74	74	<0.2	<0.2	2.6	2.6		
						6.1	0.1	137	20.5	20.5	8.0	8.0	28.4	28.4	92.5	92.5	7.0	7.0	13.7	7.0	16	17	74	74	<0.2	<0.2	2.6	2.6		
					Bottom	11.1	0.2	246	20.4	20.4	8.0	8.0	28.9	28.9	92.5	92.5	7.0	7.0	18.8	7.0	18	17	75	75	<0.2	<0.2	2.5	2.5		
						11.1	0.2	253	20.4	20.4	8.0	8.0	28.9	28.9	92.5	92.5	7.0	7.0	19.7	7.0	18	17	75	75	<0.2	<0.2	2.5	2.5		
C3	Cloudy	Moderate	14:51	12.0	Surface	1.0	0.4	77	20.2	8.0	8.0	29.4	29.5	91.0	91.0	6.9	6.9	9.4	6.9	9	10	73	73	822093	817780	<0.2	<0.2	1.6	1.6	
						1.0	0.5	82	20.2	20.2	8.0	8.0	29.5	29.5	91.0	91.0	6.9	6.9	9.8	6.9	9	10	73	73	<0.2	<0.2	1.6	1.6		
					Middle	6.0	0.2	75	20.0	20.0	8.0	8.0	29.7	29.7	90.8	90.8	6.9	6.9	12.9	6.9	10	10	74	74	<0.2	<0.2	1.6	1.6		
						6.0	0.2	81	20.0	20.0	8.0	8.0	29.7	29.7	90.8	90.8	6.9	6.9	14.0	6.9	8	10	74	74	<0.2	<0.2	1.5	1.5		
					Bottom	11.0	0.2	107	20.0	20.0	8.0	8.0	29.8	29.8	91.0	91.0	6.9	6.9	16.2	6.9	11	10	75	75	<0.2	<0.2	1.5	1.5		
						11.0	0.2	111	20.0	20.0	8.0	8.0	29.8	29.8	91.0	91.0	6.9	6.9	17.9	6.9	10	10	75	75	<0.2	<0.2	1.6	1.6		
IM1	Cloudy	Rough	13:56	7.4	Surface	1.0	0.3	212	20.2	8.1	8.1	29.3	29.3	100.9	101.0	7.7	7.7	6.4	7.7	10	11	72	72	818377	806481	<0.2	<0.2	1.8	1.7	
						1.0	0.3	218	20.2	20.2	8.1	8.1	29.3	29.3	101.0	101.0	7.7	7.7	6.3	7.7	10	11	72	72	<0.2	<0.2	1.9	1.9		
					Middle	3.7	0.2	180	20.1	20.1	8.1	8.1	29.3	29.3	101.2	101.2	7.7	7.7	11.9	7.7	12	11	74	74	<0.2	<0.2	1.6	1.6		
						3.7	0.2	190	20.1	20.1	8.1	8.1	29.3	29.3	101.2	101.2	7.7	7.7	11.9	7.7	12	11	74	74	<0.2	<0.2	1.7	1.7		
					Bottom	6.4	0.2	207	20.1	20.1	8.1	8.1	29.8	29.8	101.8	101.8	7.8	7.8	13.7	7.8	11	10	75	75	<0.2	<0.2	1.5	1.5		
						6.4	0.2	213	20.1	20.1	8.1	8.1	29.8	29.8	101.8	101.8	7.8	7.8	13.8	7.8	11	10	76	76	<0.2	<0.2	1.4	1.4		
IM2	Cloudy	Rough	13:51	8.1	Surface	1.0	0.3	163	20.3	8.1	8.1	28.9	28.9	99.7	99.7	7.6	7.6	6.1	7.6	10	10	71	71	818847	806187	<0.2	<0.2	2.6	2.0	
						1.0	0.4	167	20.3	20.3	8.1	8.1	28.9	28.9	99.7	99.7	7.6	7.6	6.4	7.6	9	10	72	72	<0.2	<0.2	2.5	2.5		
					Middle	4.1	0.2	141	20.3	20.3	8.1	8.1	28.9	28.9	100.2	100.3	7.6	7.6	8.1	7.6	10	10	73	73	<0.2	<0.2	1.8	1.8		
						4.1	0.2	145	20.3	20.3	8.1	8.1	28.9	28.9	100.3	100.3	7.7	7.7	7.9	7.7	10	10	74	74	<0.2	<0.2	1.7	1.7		
					Bottom	7.1	0.3	106	20.0	20.0	8.1	8.1	29.7	29.7	101.4	101.4	7.7	7.7	31.5	7.7	12	10	75	75	<0.2	<0.2	1.7	1.7		
						7.1	0.3	107	20.0	20.0	8.1	8.1	29.7	29.7	101.4	101.4	7.7	7.7	30.6	7.7	11	10	75	75	<0.2	<0.2	1.7	1.7		
IM3	Cloudy	Rough	13:45	8.2	Surface	1.0	0.3	205	20.0	8.1	8.1	29.8	29.8	102.1	102.1	7.8	7.8	9.5	7.8	9	11	73	73	819388	806032	<0.2	<0.2	1.9	1.6	
						1.0	0.3	210	20.0	20.0	8.1	8.1	29.8	29.8	102.1	102.1	7.8	7.8	9.4	7.8	11	11	72	72	<0.2	<0.2	2.0	2.0		
					Middle	4.1	0.2	233	20.0	20.0	8.1	8.1	29.8	29.8	102.2	102.3	7.8	7.8	16.0	7.8	10	11	74	74	<0.2	<0.2	1.2	1.2		
						4.1	0.2	246	20.0	20.0	8.1	8.1	29.8	29.8	102.3	102.3	7.8	7.8	16.4	7.8	11	11	74	74	<0.2	<0.2	1.2	1.2		
					Bottom	7.2	0.2	223	20.0	20.0	8.1	8.1	29.7	29.7	101.9	101.9	7.8	7.8	23.8	7.8	12	10	76	76	<0.2	<0.2	1.6	1.6		
						7.2	0.2	225	20.0	20.0	8.1	8.1	29.7	29.7	101.9	101.9	7.8	7.8	24.0	7.8	10	10	76	76	<0.2	<0.2	1.5	1.5		
IM4	Cloudy	Rough	13:37	7.7	Surface	1.0	0.2	189	20.0	8.1	8.1	29.8	29.8	102.0	102.0	7.8	7.8	9.6	7.8	12	14	73	73	819554	805037	<0.2	<0.2	2.7	2.0	
						1.0	0.2	192	20.0	20.0	8.1	8.1	29.8	29.8	102.0	102.0	7.8	7.8	9.6	7.8	13	14	73	73	<0.2	<0.2	2.3	2.3		
					Middle	3.9	0.2	250	19.9	19.9	8.1	8.1	29.8	29.8	102.1	102.0	7.8	7.8	17.9	7.8	14	14	73	74	<0.2	<0.2	1.4	1.4		
						3.9	0.2	251	19.8	19.8	8.1	8.1	29.8	29.8	101.9	101.9	7.8	7.8	18.1	7.8	14	14	74	74	<0.2	<0.2	1.4	1.4		
					Bottom	6.7	0.2	258	19.9	19.9	8.1	8.1	29.8	29.8	101.8	101.8	7.8	7.8	16.9	7.8	14	14	75	75	<0.2	<0.2	2.0	2.0		
						6.7	0.2	269	19.9	19.9	8.1	8.1	29.8	29.8	101.8	101.8	7.8	7.8	17.0	7.8	15	14	76	76	<0.2	<0.2	2.2	2.2		
IM5	Cloudy	Rough	13:26	6.7	Surface	1.0	0.2	160	20.1	8.1	8.1	29.5	29.5	102.1	102.2	7.8	7.8	7.6	7.8	13	13	72	72	820583	804917	<0.2	<0.2	1.4	1.4	
						1.0	0.2	163	20.1	20.1	8.1	8.1	29.5	29.5	102.2	102.2	7.8	7.8	7.6	7.8	12	13	72	72	<0.2	<0.2	1.3	1.3		
					Middle	3.4	0.2	158	19.9	19.9	8.1	8.1	29.6	29.6	103.0	103.1	7.9	7.9	15.9	7.9	13	13	73	73	<0.2	<0.2	1.5	1.5		
						3.4	0.2	170	19.8	19.8	8.1	8.1	29.7	29.6	103.0	103.1	7.9	7.9	15.7	7.9	12	13	73	73	<0.2	<0.2	1.3	1.3		
					Bottom	5.7	0.1	118	20.1	20.1	8.1	8.1	29.5	29.5	102.0	102.0	7.8	7.8	12.0	7.8	14	13	73	74	<0.2	<0.2	1.3	1.4		
						5.7	0.2	122	20.1	20.1	8.1	8.1	29.5	29.5	102.0	102.0	7.8	7.8	12.1	7.8	13	13	74	74	<0.2	<0.2	1.4	1.4		
IM6	Cloudy	Rough	13:14	6.9	Surface	1.0	0.2	163	20.2	8.1	8.1	29.4	29.4	101.6	101.6	7.8	7.8	10.2	7.8	24	27	72	74	821047	805820	<0.2	<0.2	1.4	1.5	

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 20 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Rough	13:38	7.3	Surface	1.0	0.5	126	20.8	8.0	8.0	27.4	27.4	94.7	94.8	7.2	7.3	7.9	13.9	10	73	74	822101	808813	<0.2	2.4	2.3	2.3							
						1.0	0.5	138	20.8	8.0	8.0	27.4	27.4	94.8	94.8	7.2	7.3	7.9	11	73	74	<0.2	2.4	2.3	2.3										
						3.7	0.5	125	20.7	8.0	8.0	27.8	27.8	95.7	95.8	7.3	7.3	11.6	11	74	74	<0.2	2.3	2.3	2.3										
					Middle	3.7	0.5	133	20.7	8.0	8.0	27.9	27.8	95.8	95.8	7.3	7.3	12.6	11	74	74	<0.2	2.4	2.4	2.4										
						6.3	0.4	94	20.6	8.0	8.0	28.4	28.4	96.1	96.1	7.3	7.3	21.7	12	75	75	<0.2	2.2	2.2	2.2										
						6.3	0.4	97	20.6	8.0	8.0	28.4	28.4	96.1	96.1	7.3	7.3	21.8	11	75	75	<0.2	2.3	2.3	2.3										
IM10	Cloudy	Rough	13:47	7.0	Surface	1.0	0.5	109	20.8	8.0	8.0	27.6	27.6	94.9	94.9	7.2	7.2	7.8	15.0	10	74	74	822213	809851	<0.2	2.4	2.4								
						1.0	0.5	109	20.8	8.0	8.0	27.6	27.6	94.9	94.9	7.2	7.2	8.0	10	74	74	<0.2	2.2	2.2	2.2										
						3.5	0.5	100	20.7	8.0	8.0	27.9	27.9	95.1	95.1	7.2	7.2	11.7	10	74	74	<0.2	2.5	2.5	2.5										
					Middle	3.5	0.5	103	20.7	8.0	8.0	27.9	27.9	95.1	95.1	7.2	7.2	12.5	9	74	74	<0.2	2.5	2.5	2.5										
						6.0	0.4	70	20.7	8.0	8.0	28.4	28.4	95.7	95.7	7.3	7.3	25.2	13	75	75	<0.2	2.3	2.3	2.3										
						6.0	0.4	75	20.6	8.0	8.0	28.4	28.4	95.8	95.8	7.3	7.3	24.8	12	75	75	<0.2	2.3	2.3	2.3										
IM11	Cloudy	Rough	13:59	8.3	Surface	1.0	0.4	106	20.7	8.2	8.2	28.2	28.2	95.0	95.0	7.2	7.3	9.6	18.9	13	73	74	821495	810560	<0.2	2.0	2.1								
						1.0	0.5	111	20.7	8.2	8.2	28.2	28.2	95.0	95.0	7.2	7.3	10.0	12	73	73	<0.2	2.2	2.2	2.2										
						4.2	0.3	112	20.6	8.1	8.1	28.6	28.6	95.9	96.0	7.3	7.3	17.2	14	74	74	<0.2	2.0	2.0	2.0										
					Middle	4.2	0.4	112	20.6	8.1	8.1	28.6	28.6	96.0	96.0	7.3	7.3	17.6	13	74	74	<0.2	2.1	2.1	2.1										
						7.3	0.3	89	20.7	8.1	8.1	28.8	28.8	96.1	96.1	7.3	7.3	29.5	19	75	75	<0.2	2.0	2.0	2.0										
						7.3	0.4	97	20.7	8.1	8.1	28.8	28.8	96.1	96.1	7.3	7.3	29.6	18	75	75	<0.2	2.1	2.1	2.1										
IM12	Cloudy	Rough	14:06	8.9	Surface	1.0	0.4	110	20.8	8.1	8.1	28.0	28.0	93.9	93.8	7.1	7.1	9.1	11.4	13	73	74	821162	811520	<0.2	2.0	2.0								
						1.0	0.4	117	20.8	8.1	8.1	28.0	28.0	93.7	93.7	7.1	7.1	9.3	14	73	73	<0.2	2.0	2.0	2.0										
						4.5	0.4	97	20.6	8.1	8.1	28.4	28.4	92.3	92.3	7.0	7.0	12.3	14	73	73	<0.2	2.1	2.1	2.1										
					Middle	4.5	0.4	100	20.6	8.1	8.1	28.4	28.4	92.3	92.3	7.0	7.0	12.4	13	73	73	<0.2	2.2	2.2	2.2										
						7.9	0.3	98	20.6	8.1	8.1	28.5	28.4	92.5	92.6	7.0	7.0	12.7	17	74	74	<0.2	2.0	2.0	2.0										
						7.9	0.3	99	20.6	8.1	8.1	28.4	28.4	92.7	92.6	7.0	7.0	12.7	17	75	75	<0.2	1.9	1.9	1.9										
SR2	Cloudy	Moderate	14:31	3.8	Surface	1.0	0.3	85	20.8	8.1	8.1	28.1	28.1	94.7	94.7	7.2	7.2	5.1	5.2	8	74	821472	814182	<0.2	2.2	2.2									
						1.0	0.3	92	20.8	8.1	8.1	28.1	28.1	94.7	94.7	7.2	7.2	5.1	9	73	73	<0.2	2.2	2.2	2.2										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.8	0.2	76	20.8	8.1	8.1	28.1	28.1	94.7	94.7	7.2	7.2	5.3	9	74	74	<0.2	2.0	2.0	2.0										
						2.8	0.2	77	20.8	8.1	8.1	28.1	28.1	94.7	94.7	7.2	7.2	5.2	7	74	74	<0.2	2.0	2.0	2.0										
SR3	Cloudy	Rough	13:26	9.1	Surface	1.0	0.3	144	20.8	8.0	8.0	27.4	27.4	94.7	94.8	7.2	7.3	9.8	13.6	14	-	-	822148	807553	-	-	-								
						1.0	0.3	154	20.8	8.0	8.0	27.4	27.4	94.9	94.8	7.2	7.2	9.8	13	-	-	-	-	-	-										
						4.6	0.2	158	20.6	8.0	8.0	28.1	28.1	96.8	96.9	7.4	7.4	13.6	15	-	-	-	-	-	-										
					Middle	4.6	0.3	171	20.6	8.0	8.0	28.2	28.2	96.9	96.9	7.4	7.4	14.2	13	-	-	-	-	-	-										
						8.1	0.3	71	20.5	8.0	8.0	28.8	28.7	95.7	95.7	7.3	7.3	17.3	17	-	-	-	-	-	-										
						8.1	0.3	74	20.5	8.0	8.0	28.6	28.6	95.6	95.6	7.3	7.3	16.8	15	-	-	-	-	-	-										
SR4A	Cloudy	Moderate	14:39	8.0	Surface	1.0	0.3	68	20.2	8.1	8.1	29.8	29.8	101.5	101.5	7.7	7.7	11.9	13.6	20	-	-	817191	807811	-	-	-								
						1.0	0.3	69	20.2	8.1	8.1	29.8	29.8	101.5	101.5	7.7	7.7	11.9	18	-	-	-	-	-	-										
						4.0	0.3	61	20.1	8.1	8.1	29.7	29.7	101.3	101.3	7.7	7.7	16.0	18	-	-	-	-	-	-										
					Middle	4.0	0.3	61	20.1	8.1	8.1	29.7	29.7	101.3	101.3	7.7	7.7	16.0	19	-	-	-	-	-	-										
						7.0	0.2	60	20.1	8.1	8.1	29.8	29.8	100.9	100.9	7.7	7.7	12.9	19	-	-	-	-	-	-										
						7.0	0.2	61	20.1	8.1	8.1	29.8	29.8	100.8	100.8	7.7	7.7	12.8	20	-	-	-	-	-	-										
SR5A	Cloudy	Moderate	14:55	4.7	Surface	1.0	0.2	87	20.8	8.0	8.0	29.4	29.4	96.9	96.9	7.3	7.3	9.6	9.5	12	-	-	816564	810698	-	-	-								
						1.0	0.2	91	20.8	8.0	8.0	29.4	29.4	96.8	96.8	7.3	7.3	9.6	11	-	-	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						3.7	0.1	301	20.7	8.0	8.0	29.4	29.4	96.9	96.9	7.3	7.3	9.3	12	-	-	-	-	-	-										
						3.7	0.1	304	20.7	8.0	8.0	29.4	29.4	97.2	97.1	7.3	7.3	9.3	13	-	-	-	-	-	-										
SR6	Cloudy	Moderate	15:19	3.8	Surface	1.0	0.2	359	20.8	8.0	8.0	29.2	29.2	94.9	95.0	7.2	7.2	9.4	11.1	14	-	-	817901	814640	-	-	-								
						1.0	0.2	330	20.8	8.0	8.0	29.2	29.2	95.0	95.0	7.2	7.2	9.4	15	-	-	-	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
						2.8	0.2	0	20.8	8.0	8.0	28.9	28.9	96.5	96.5	7.3	7.3	12.8	15	-	-	-	-												
						2.8	0.2	0	20.8	8.0	8.0	28.9	28.9	96.9	96.7	7.3	7.3	12.9	14	-	-	-	-												
SR7	Cloudy	Moderate	15:20	23.4	Surface	1.0	0.6	80	20.5	8.0	8.0	29.4	29.4	94.1	94.1	7.1	7.1	2.6	2.7	6	-	-	823638	823758	-	-	-								
						1.0	0.6	87	20.5	8.0	8.0	29.4	29.4	94.1	94.1	7.1	7.1	2.6	5	-	-	-	-												
						11.7	0.5	78	20.2	8.0	8.0	29.8	29.8	92.9	92.9	7.1	7.1	2.6	5	-	-	-	-												
					Middle	11.7	0.6	81	20.2	8.0	8.0	29.8	29.8	92.8	92.8	7.1	7.1	2.6	6	-	-	-	-												
						22.4	0.4	76	20.2	8.0	8.0	29.8	29.8	93.2	93.4	7.1	7.1	2.7	7	-	-	-	-												
						22.4	0.4	80	20.3	8.0	8.0	29.8	29.8	93.5	9																				

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 20 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Rainy	Rough	08:57	7.0	Surface	1.0	0.5	37	19.7	19.7	8.1	8.1	29.3	29.3	100.0	100.0	7.7	7.7	5.6	10.7	10	17	75	76	815609	804264	<0.2	<0.2	1.8	1.5						
						1.0	0.5	39	19.7	8.1	8.1	29.3	29.3	100.0	100.0	7.7	7.7	5.5	10.7	10	17	74	76	76	76	<0.2	<0.2	1.6	1.5							
						3.5	0.5	33	19.8	19.8	8.1	8.1	29.3	29.3	100.6	100.6	7.7	7.7	5.1	10.7	8	17	76	76	76	76	<0.2	<0.2	1.5	1.4						
					Middle	6.0	0.5	44	19.8	19.8	8.1	8.1	29.6	29.6	101.2	101.2	7.8	7.8	21.5	10.7	32	17	77	76	76	76	<0.2	<0.2	1.4	1.4						
						6.0	0.5	44	19.8	19.8	8.1	8.1	29.6	29.6	101.3	101.3	7.8	7.8	21.3	10.7	34	17	77	76	76	76	<0.2	<0.2	1.4	1.4						
						3.5	0.6	33	19.8	19.8	8.1	8.1	29.3	29.3	100.6	100.6	7.7	7.7	5.1	10.7	8	17	76	76	76	76	<0.2	<0.2	1.5	1.4						
C2	Cloudy	Rough	09:40	11.6	Surface	1.0	0.4	11	20.8	20.8	7.9	7.9	26.2	26.2	89.1	89.1	6.8	6.8	7.4	17.5	10	11	73	74	825678	806973	<0.2	<0.2	2.8	2.7						
						1.0	0.4	11	20.8	20.8	7.9	7.9	26.2	26.2	89.1	89.1	6.8	6.8	8.2	17.5	10	11	73	74	74	74	<0.2	<0.2	2.5	2.6						
						5.8	0.5	4	20.8	20.8	7.9	7.9	26.4	26.4	88.8	88.8	6.8	6.8	16.3	17.5	10	11	74	74	74	74	<0.2	<0.2	2.8	2.6						
					Middle	5.8	0.5	4	20.8	20.8	7.9	7.9	26.4	26.4	88.8	88.8	6.8	6.8	17.1	17.5	10	11	74	74	74	74	<0.2	<0.2	2.6	2.6						
						10.6	0.4	340	20.7	20.7	7.9	7.9	27.3	27.2	88.7	88.8	6.8	6.8	28.0	17.5	13	11	75	74	75	75	<0.2	<0.2	2.6	2.6						
						10.6	0.4	341	20.7	20.7	7.9	7.9	27.2	27.2	88.8	88.8	6.8	6.8	27.9	17.5	12	11	75	74	75	75	<0.2	<0.2	2.6	2.6						
C3	Cloudy	Moderate	07:38	11.2	Surface	1.0	0.5	252	20.6	20.6	8.0	8.0	28.5	28.5	93.8	93.8	7.1	7.1	4.4	9.2	6	12	73	74	822115	817793	<0.2	<0.2	2.0	1.9						
						1.0	0.5	276	20.6	20.6	8.0	8.0	28.5	28.5	93.7	93.7	7.1	7.1	4.4	9.2	5	12	73	74	74	74	<0.2	<0.2	1.9	1.9						
						5.6	0.5	259	20.6	20.6	8.0	8.0	28.6	28.6	93.7	93.7	7.1	7.1	5.0	9.2	9	12	74	74	74	74	<0.2	<0.2	1.8	1.8						
					Middle	5.6	0.6	264	20.6	20.6	8.0	8.0	28.6	28.6	93.7	93.7	7.1	7.1	5.1	9.2	9	12	74	74	74	74	<0.2	<0.2	1.8	1.9						
						10.2	0.4	274	20.5	20.5	8.1	8.1	28.9	28.9	92.9	92.9	7.1	7.1	18.2	9.2	21	12	75	74	75	75	<0.2	<0.2	1.8	1.8						
						10.2	0.4	295	20.5	20.5	8.1	8.1	28.9	28.9	92.9	92.9	7.1	7.1	18.1	9.2	19	12	75	74	75	75	<0.2	<0.2	1.8	1.8						
IM1	Rainy	Rough	09:19	7.6	Surface	1.0	0.5	10	20.0	20.1	8.1	8.1	28.1	28.1	96.9	97.0	7.5	7.5	7.4	9.7	11	11	74	74	818365	806457	<0.2	<0.2	1.9	1.9						
						1.0	0.6	10	20.1	20.1	8.1	8.1	28.1	28.1	97.0	97.0	7.5	7.5	7.5	9.7	11	11	74	74	74	74	<0.2	<0.2	2.0	2.0						
						3.8	0.5	359	20.2	20.2	8.1	8.1	28.0	28.0	98.5	98.6	7.6	7.6	8.9	9.7	10	11	77	76	77	76	<0.2	<0.2	1.9	1.9						
					Middle	3.8	0.5	330	20.2	20.2	8.1	8.1	28.0	28.0	98.7	98.6	7.6	7.6	9.0	9.7	10	11	77	76	77	76	<0.2	<0.2	1.9	1.9						
						6.6	0.4	352	20.1	20.1	8.1	8.1	28.1	28.1	97.0	97.1	7.5	7.5	12.6	9.7	11	11	76	76	76	76	<0.2	<0.2	2.0	2.0						
						6.6	0.5	324	20.1	20.1	8.1	8.1	28.1	28.1	97.1	97.1	7.5	7.5	12.7	9.7	11	11	77	76	77	76	<0.2	<0.2	1.8	1.8						
IM2	Rainy	Rough	09:27	7.9	Surface	1.0	0.6	40	20.0	20.0	8.1	8.1	28.2	28.2	97.1	97.2	7.5	7.5	11.0	15.9	17	22	74	74	818846	806219	<0.2	<0.2	1.9	1.9						
						1.0	0.6	42	20.0	20.0	8.1	8.1	28.2	28.2	97.2	97.2	7.5	7.5	11.3	15.9	18	22	74	74	74	74	<0.2	<0.2	1.8	1.8						
						4.0	0.6	44	20.1	20.1	8.1	8.1	28.1	28.1	98.5	98.6	7.6	7.6	13.8	15.9	19	22	76	76	76	76	<0.2	<0.2	1.9	1.9						
					Middle	4.0	0.6	45	20.1	20.1	8.1	8.1	28.1	28.1	98.6	98.6	7.6	7.6	14.0	15.9	19	22	77	76	77	76	<0.2	<0.2	1.9	1.9						
						6.9	0.4	30	20.1	20.1	8.1	8.1	28.2	28.2	97.6	97.7	7.5	7.5	22.8	15.9	28	22	77	76	77	76	<0.2	<0.2	2.0	2.0						
						6.9	0.4	32	20.1	20.1	8.1	8.1	28.2	28.2	97.8	97.8	7.5	7.5	22.5	15.9	30	22	77	76	77	76	<0.2	<0.2	1.8	1.8						
IM3	Rainy	Rough	09:34	8.3	Surface	1.0	0.5	12	20.0	20.0	8.1	8.1	28.0	28.0	96.0	96.1	7.4	7.4	14.5	14.0	26	27	74	74	819437	806021	<0.2	<0.2	1.8	1.9						
						1.0	0.6	12	20.0	20.0	8.1	8.1	28.0	28.0	96.1	96.1	7.4	7.4	14.6	14.0	28	27	74	74	74	74	<0.2	<0.2	1.9	1.9						
						4.2	0.5	5	20.1	20.1	8.1	8.1	28.0	28.0	97.0	97.1	7.5	7.5	13.9	14.0	26	27	76	76	76	76	<0.2	<0.2	1.9	1.9						
					Middle	4.2	0.5	5	20.1	20.1	8.1	8.1	28.0	28.0	97.2	97.1	7.5	7.5	13.9	14.0	27	27	76	76	76	76	<0.2	<0.2	1.9	1.9						
						7.3	0.5	356	20.1	20.1	8.1	8.1	28.0	28.0	99.0	99.1	7.6	7.6	13.6	14.0	26	27	77	76	77	76	<0.2	<0.2	2.0	2.0						
						7.3	0.6	328	20.1	20.1	8.1	8.1	28.0	28.0	99.2	99.2	7.6	7.6	13.7	14.0	26	27	77	76	77	76	<0.2	<0.2	2.0	2.0						
IM4	Rainy	Rough	09:44	7.7	Surface	1.0	0.5	33	19.8	19.8	8.1	8.1	28.4	28.4	98.5	98.4	7.6	7.6	7.2	8.5	8	10	74	74	819583	805063	<0.2	<0.2	1.7	1.7						
						1.0	0.5	34	19.8	19.8	8.1	8.1	28.4	28.4	98.3	98.3	7.6	7.6	7.4	8.5	8	10	75	76	75	75	<0.2	<0.2	1.7	1.7						
						3.9	0.6	44	19.9	19.9	8.1	8.1	28.3	28.3	98.3	98.3	7.6	7.6	7.9	8.5	9	10	76	76	76	76	<0.2	<0.2	1.6	1.6						
					Middle	3.9	0.6	47	19.9	19.9	8.1	8.1	28.3	28.3	98.3	98.3	7.6	7.6	8.1	8.5	9	10	76	76	76	76	<0.2	<0.2	1.8	1.8						
						6.7	0.3	47	20.0	20.0	8.1	8.1	28.3	28.3	98.8	98.8	7.7	7.7	10.2	8.5	13	10	77	76	77	76	<0.2	<0.2	1.8	1.8						
						6.7	0.3	48	20.0	20.0	8.1	8.1	28.3	28.3	99.9	99.9	7.7	7.7	10.2	8.5	11	10	77	76	77	76	<0.2	<0.2	1.8	1.8						
IM5	Rainy	Rough	09:56	7.0	Surface	1.0	0.4	23	19.9	19.9	8.1	8.1	28.5	28.5	97.7	97.7	7.5	7.5	11.3	13.9	23	25	74	74	820552	804895	<0.2	<0.2	1.6	1.7						
						1.0	0.4	23	19.9	19.9	8.1	8.1	28.5	28.5	97.7	97.7	7.5	7.5	11.3	13.9	22	25	74	74	74	74	<0.2	<0.2	1.8	1.7						
						3.5	0.4	17	19.9	19.9	8.1	8.1	28.5	28.5	97.7	97.7	7.5	7.5	12.5	13.9	25	25	75	76	75	75	<0.2	<0.2	1.7	1.7						
					Middle	3.5	0.4	18	19.9	19.9	8.1	8.1	28.5	28.5	97.7	97.7	7.5	7.5	12.4	13.9	25	25	76	76	76	76	&lt									

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 20 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Rough	09:00	7.1	Surface	1.0	0.2	12	20.8	20.8	8.0	8.0	26.6	26.6	90.0	90.0	6.9	6.9	20.7	6.9	33	73	74	822084	808812	<0.2	2.4	<0.2	2.4			
						1.0	0.2	12	20.8	20.8	8.0	8.0	26.6	26.6	90.0	90.0	6.9	6.9	20.6	6.9	31	74	74	822084	808812	<0.2	2.4	<0.2	2.4			
					Middle	3.6	0.2	6	20.7	20.7	8.0	8.0	26.6	26.6	90.1	90.1	6.9	6.9	21.6	6.9	21.7	6.9	32	74	74	822084	808812	<0.2	2.2	<0.2	2.4	
						3.6	0.2	6	20.7	20.7	8.0	8.0	26.6	26.6	90.1	90.1	6.9	6.9	21.7	6.9	21.7	6.9	32	74	74	822084	808812	<0.2	2.2	<0.2	2.4	
					Bottom	6.1	0.2	332	20.7	20.7	8.0	8.0	26.6	26.6	90.5	90.5	6.9	6.9	22.2	6.9	22.2	6.9	33	75	75	822084	808812	<0.2	2.4	<0.2	2.4	
						6.1	0.2	352	20.7	20.7	8.0	8.0	26.6	26.6	90.5	90.5	6.9	6.9	22.4	6.9	22.4	6.9	34	75	75	822084	808812	<0.2	2.4	<0.2	2.4	
IM10	Cloudy	Rough	08:51	6.8	Surface	1.0	0.4	322	20.7	20.7	8.0	8.0	27.8	27.8	91.8	91.8	7.0	7.0	13.9	7.0	13	74	74	822237	809826	<0.2	2.0	<0.2	2.1			
						1.0	0.5	345	20.7	20.7	8.0	8.0	27.8	27.8	91.8	91.8	7.0	7.0	14.3	7.0	15	74	74	822237	809826	<0.2	2.1	<0.2	2.1			
					Middle	3.4	0.4	316	20.7	20.7	8.0	8.0	27.8	27.8	91.6	91.6	7.0	7.0	16.1	7.0	17	74	74	822237	809826	<0.2	2.1	<0.2	2.1			
						3.4	0.5	332	20.7	20.7	8.0	8.0	27.8	27.8	91.5	91.5	7.0	7.0	15.8	7.0	16	74	74	822237	809826	<0.2	2.0	<0.2	2.0			
					Bottom	5.8	0.4	319	20.7	20.7	7.9	7.9	27.8	27.8	91.0	91.0	6.9	6.9	23.2	6.9	23.2	6.9	29	75	75	822237	809826	<0.2	2.1	<0.2	2.1	
						5.8	0.4	334	20.7	20.7	7.9	7.9	27.8	27.8	91.0	91.0	6.9	6.9	21.2	6.9	21.2	6.9	28	75	75	822237	809826	<0.2	2.0	<0.2	2.0	
IM11	Cloudy	Rough	08:36	7.9	Surface	1.0	0.7	293	20.7	20.7	8.0	8.0	28.0	28.0	92.0	92.0	7.0	7.0	9.1	7.0	9	73	73	821487	810537	<0.2	1.8	<0.2	2.0			
						1.0	0.7	313	20.7	20.7	8.0	8.0	28.0	28.0	92.0	92.0	7.0	7.0	9.7	7.0	8	74	74	821487	810537	<0.2	2.0	<0.2	2.0			
					Middle	4.0	0.6	291	20.7	20.7	8.0	8.0	28.1	28.1	91.8	91.8	7.0	7.0	12.8	7.0	12.8	7.0	7	74	74	821487	810537	<0.2	2.1	<0.2	2.1	
						4.0	0.6	307	20.7	20.7	8.0	8.0	28.1	28.1	91.8	91.8	7.0	7.0	12.8	7.0	7	74	74	821487	810537	<0.2	2.1	<0.2	2.1			
					Bottom	6.9	0.4	289	20.7	20.7	8.0	8.0	28.1	28.1	90.7	90.7	6.9	6.9	19.8	6.9	19.8	6.9	17	76	76	821487	810537	<0.2	2.0	<0.2	2.0	
						6.9	0.5	313	20.7	20.7	8.0	8.0	28.1	28.1	90.5	90.5	6.9	6.9	18.6	6.9	18.6	6.9	15	76	76	821487	810537	<0.2	1.9	<0.2	1.9	
IM12	Cloudy	Rough	08:28	6.9	Surface	1.0	0.5	285	20.7	20.7	8.0	8.0	28.1	28.2	91.5	91.5	7.0	7.0	9.9	7.0	12	73	73	821191	811548	<0.2	2.0	<0.2	2.0			
						1.0	0.6	290	20.7	20.7	8.0	8.0	28.2	28.2	91.4	91.4	7.0	7.0	10.5	7.0	12	73	73	821191	811548	<0.2	2.0	<0.2	2.0			
					Middle	3.5	0.6	281	20.7	20.7	8.0	8.0	28.4	28.4	90.8	90.8	6.9	6.9	17.0	6.9	17.0	6.9	12	73	73	821191	811548	<0.2	2.0	<0.2	2.0	
						3.5	0.6	301	20.7	20.7	8.0	8.0	28.4	28.4	90.7	90.7	6.9	6.9	17.2	6.9	12	74	74	821191	811548	<0.2	2.0	<0.2	2.0			
					Bottom	5.9	0.6	286	20.6	20.6	8.0	8.0	28.6	28.6	90.7	90.7	6.9	6.9	32.8	6.9	32.8	6.9	12	75	75	821191	811548	<0.2	1.8	<0.2	1.8	
						5.9	0.6	301	20.6	20.6	8.0	8.0	28.6	28.6	90.8	90.8	6.9	6.9	30.6	6.9	30.6	6.9	13	75	75	821191	811548	<0.2	2.5	<0.2	2.5	
SR2	Cloudy	Rough	08:01	4.3	Surface	1.0	0.2	349	20.5	20.5	8.0	8.0	28.6	28.6	92.7	92.7	7.1	7.1	10.8	7.1	15	73	73	821474	814158	<0.2	1.4	<0.2	1.4			
						1.0	0.2	321	20.5	20.5	8.0	8.0	28.6	28.6	92.6	92.6	7.1	7.1	11.0	7.1	15	73	73	821474	814158	<0.2	1.4	<0.2	1.4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821474	814158	<0.2	-	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821474	814158	<0.2	-	<0.2
					Bottom	3.3	0.1	20	20.5	20.5	8.0	8.0	28.6	28.6	92.4	92.4	7.0	7.0	12.0	7.0	12.0	7.0	19	74	74	821474	814158	<0.2	1.4	<0.2	1.4	
						3.3	0.1	20	20.5	20.5	8.0	8.0	28.6	28.6	92.4	92.4	7.0	7.0	11.7	7.0	11.7	7.0	17	74	74	821474	814158	<0.2	1.5	<0.2	1.5	
SR3	Cloudy	Rough	09:18	8.9	Surface	1.0	0.3	34	20.8	20.8	7.9	7.9	26.2	26.2	89.0	89.0	6.8	6.8	16.7	6.8	17	-	-	822145	807571	-	-	-	-			
						1.0	0.3	34	20.8	20.8	7.9	7.9	26.2	26.2	89.0	89.0	6.8	6.8	16.8	6.8	17	-	-	822145	807571	-	-	-	-			
					Middle	4.5	0.4	11	20.8	20.8	7.9	7.9	26.3	26.3	89.4	89.5	6.9	6.9	22.4	6.9	22.4	6.9	21	-	-	822145	807571	-	-	-	-	
						4.5	0.4	11	20.8	20.8	7.9	7.9	26.3	26.3	89.5	89.5	6.9	6.9	22.5	6.9	22.5	6.9	21	-	-	822145	807571	-	-	-	-	
					Bottom	7.9	0.4	12	20.8	20.8	7.9	7.9	26.4	26.4	90.0	90.0	6.9	6.9	25.4	6.9	25.4	6.9	21	-	-	822145	807571	-	-	-	-	
						7.9	0.4	12	20.8	20.8	7.9	7.9	26.4	26.4	90.1	90.1	6.9	6.9	25.4	6.9	25.4	6.9	20	-	-	822145	807571	-	-	-	-	
SR4A	Cloudy	Moderate	08:32	9.1	Surface	1.0	0.3	270	20.3	20.3	8.1	8.1	29.4	29.4	93.7	93.8	7.1	7.1	9.7	7.1	15	-	-	817188	807821	-	-	-	-			
						1.0	0.3	286	20.3	20.3	8.1	8.1	29.4	29.4	93.9	93.9	7.1	7.1	9.6	7.1	14	-	-	817188	807821	-	-	-	-			
					Middle	4.6	0.3	268	20.4	20.4	8.1	8.1	29.4	29.4	96.4	96.5	7.3	7.3	12.6	7.3	12.6	7.3	16	-	-	817188	807821	-	-	-	-	
						4.6	0.3	282	20.4	20.4	8.1	8.1	29.4	29.4	96.5	96.5	7.3	7.3	12.4	7.3	12.4	7.3	16	-	-	817188	807821	-	-	-	-	
					Bottom	8.1	0.2	279	20.3	20.3	8.1	8.1	29.4	29.4	94.2	94.3	7.2	7.2	17.3	7.2	17.3	7.2	17	-	-	817188	807821	-	-	-	-	
						8.1	0.2	289	20.3	20.3	8.1	8.1	29.4	29.4	94.3	94.3	7.2	7.2	17.3	7.2	17.3	7.2	18	-	-	817188	807821	-	-	-	-	
SR5A	Cloudy	Moderate	08:16	4.6	Surface	1.0	0.3	292	20.4	20.4	8.0	8.0	29.2	29.2	91.7	91.8	7.0	7.0	9.9	7.0	16	-	-	816579	810671	-	-	-	-			
						1.0	0.4	306	20.4	20.4	8.0	8.0	29.2	29.2	91.8	91.8	7.0	7.0	9.8	7.0	15	-	-	816579	810671	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816579	810671	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816579	810671	-	-	-	-	
					Bottom	3.6	0.3	288	20.4	20.4	8.0	8.0	29.2	29.2	95.0	95.2	7.2	7.2	12.8	7.2	12.8	7.2	15	-	-	816579	810671	-	-	-	-	

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 22 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	15:29	8.8	Surface	1.0	0.4	185	19.7	19.7	8.2	8.2	31.3	31.3	103.9	103.9	7.9	7.8	10.1	10.9	5	6	72	74	815592	804222	<0.2	<0.2	0.6	0.6
						1.0	0.4	190	19.7	8.2	8.2	31.3	31.3	103.9	103.9	7.9	7.8	10.1	10.9	5	6	72	74	<0.2	<0.2	0.6	0.6			
					Middle	4.4	0.3	194	19.4	19.4	8.2	8.2	31.4	31.4	101.0	101.0	7.7	7.6	11.1	10.9	6	6	74	74	<0.2	<0.2	0.5	0.5		
						4.4	0.3	210	19.4	19.4	8.2	8.2	31.4	31.4	100.9	100.9	7.7	7.6	10.9	10.9	6	6	74	74	<0.2	<0.2	0.6	0.6		
					Bottom	7.8	0.2	184	19.4	19.4	8.2	8.2	31.4	31.4	100.0	100.0	7.6	7.6	11.5	11.5	6	6	77	76	<0.2	<0.2	0.5	0.5		
						7.8	0.2	194	19.4	19.4	8.2	8.2	31.4	31.4	100.0	100.0	7.6	7.6	11.5	11.5	6	6	76	76	<0.2	<0.2	0.6	0.6		
C2	Fine	Moderate	14:29	12.2	Surface	1.0	0.2	159	20.2	20.2	8.0	8.0	29.9	29.9	95.1	95.1	7.2	7.3	13.3	17.5	13	14	73	75	825661	806927	<0.2	<0.2	1.5	1.7
						1.0	0.2	163	20.2	8.0	8.0	29.9	29.9	95.1	95.1	7.2	7.3	13.4	17.5	13	14	73	75	<0.2	<0.2	1.7	1.8			
					Middle	6.1	0.2	165	19.7	19.7	8.0	8.0	30.4	30.4	95.5	95.5	7.3	7.4	18.4	18.4	14	14	75	75	<0.2	<0.2	1.8	1.8		
						6.1	0.2	176	19.7	19.7	8.0	8.0	30.4	30.4	95.5	95.5	7.3	7.4	18.4	18.4	15	14	75	75	<0.2	<0.2	1.8	1.7		
					Bottom	11.2	0.1	112	19.7	19.7	8.0	8.0	30.8	30.8	96.5	96.5	7.4	7.4	20.6	20.6	16	14	77	77	<0.2	<0.2	1.7	1.7		
						11.2	0.1	112	19.7	19.7	8.0	8.0	30.8	30.8	96.5	96.5	7.4	7.4	20.6	20.6	14	14	77	77	<0.2	<0.2	1.7	1.7		
C3	Fine	Moderate	16:12	12.3	Surface	1.0	0.5	70	19.9	19.9	8.0	8.0	31.1	31.1	90.7	90.7	6.9	6.9	5.3	4.7	7	6	73	75	822096	817822	<0.2	<0.2	1.4	1.4
						1.0	0.5	75	19.9	19.9	8.0	8.0	31.2	31.1	90.6	90.6	6.9	6.9	5.4	4.4	6	6	73	75	<0.2	<0.2	1.6	1.4		
					Middle	6.2	0.3	84	19.5	19.5	8.0	8.0	31.7	31.7	90.3	90.3	6.9	6.9	4.4	4.3	6	6	75	75	<0.2	<0.2	1.4	1.4		
						6.2	0.4	85	19.5	19.5	8.0	8.0	31.7	31.7	90.3	90.3	6.9	6.9	4.3	4.4	6	6	75	75	<0.2	<0.2	1.4	1.4		
					Bottom	11.3	0.3	87	19.5	19.5	8.0	8.0	31.9	31.9	90.6	90.6	6.9	6.9	4.4	4.4	6	6	76	77	<0.2	<0.2	1.4	1.4		
						11.3	0.3	89	19.5	19.5	8.0	8.0	31.9	31.9	90.7	90.7	6.9	6.9	4.4	4.4	7	7	77	77	<0.2	<0.2	1.4	1.4		
IM1	Sunny	Moderate	15:11	7.7	Surface	1.0	0.2	207	19.9	19.9	8.2	8.2	30.3	30.3	102.1	102.1	7.8	7.8	12.9	12.9	6	8	72	74	818340	806453	<0.2	<0.2	0.9	0.9
						1.0	0.2	217	19.9	19.9	8.2	8.2	30.3	30.3	102.1	102.1	7.8	7.8	13.0	12.9	7	8	72	74	<0.2	<0.2	0.9	0.9		
					Middle	3.9	0.1	211	19.5	19.5	8.2	8.2	30.9	30.9	101.2	101.2	7.7	7.7	12.5	12.6	8	8	74	74	<0.2	<0.2	0.9	1.0		
						3.9	0.1	212	19.5	19.5	8.2	8.2	30.9	30.9	101.1	101.1	7.7	7.7	12.6	12.6	7	8	74	74	<0.2	<0.2	0.9	1.0		
					Bottom	6.7	0.2	168	19.6	19.6	8.2	8.2	31.3	31.3	100.2	100.2	7.6	7.6	13.1	13.1	9	8	76	76	<0.2	<0.2	1.0	0.8		
						6.7	0.2	180	19.6	19.6	8.2	8.2	31.3	31.3	100.2	100.2	7.6	7.6	13.2	13.2	8	8	76	76	<0.2	<0.2	0.8	0.8		
IM2	Sunny	Moderate	15:06	8.7	Surface	1.0	0.1	244	20.0	20.0	8.2	8.2	30.2	30.2	102.3	102.3	7.8	7.8	11.4	12.4	7	8	72	74	818844	806196	<0.2	<0.2	0.9	0.8
						1.0	0.1	249	20.0	20.0	8.2	8.2	30.2	30.2	102.3	102.3	7.8	7.8	11.3	12.4	7	8	73	74	<0.2	<0.2	0.9	0.8		
					Middle	4.4	0.2	194	19.8	19.8	8.2	8.2	30.9	30.9	102.3	102.3	7.8	7.8	12.4	12.4	8	8	74	74	<0.2	<0.2	0.9	0.8		
						4.4	0.2	205	19.8	19.8	8.2	8.2	30.9	30.9	102.3	102.3	7.8	7.8	12.4	12.4	9	8	75	75	<0.2	<0.2	0.8	0.8		
					Bottom	7.7	0.2	182	19.6	19.6	8.2	8.2	31.3	31.3	101.0	101.1	7.7	7.7	13.3	13.3	8	8	76	76	<0.2	<0.2	0.7	0.7		
						7.7	0.2	195	19.6	19.6	8.2	8.2	31.3	31.3	101.1	101.1	7.7	7.7	13.5	13.5	7	8	76	76	<0.2	<0.2	0.7	0.7		
IM3	Sunny	Moderate	15:01	8.8	Surface	1.0	0.2	193	19.9	19.9	8.2	8.2	31.1	31.1	103.4	103.4	7.8	7.8	11.1	12.9	6	9	73	75	819426	806035	<0.2	<0.2	0.7	0.6
						1.0	0.2	209	19.9	19.9	8.2	8.2	31.1	31.1	103.4	103.4	7.8	7.8	11.2	12.9	7	9	73	75	<0.2	<0.2	0.7	0.6		
					Middle	4.4	0.1	150	19.4	19.4	8.2	8.2	31.3	31.3	100.8	100.8	7.7	7.7	13.2	13.3	8	8	75	75	<0.2	<0.2	0.7	0.6		
						4.4	0.1	157	19.4	19.4	8.2	8.2	31.3	31.3	100.8	100.8	7.7	7.7	13.3	13.3	8	8	75	75	<0.2	<0.2	0.6	0.6		
					Bottom	7.8	0.1	182	19.4	19.4	8.2	8.2	31.3	31.3	100.2	100.3	7.7	7.7	14.3	14.3	12	12	77	77	<0.2	<0.2	0.6	0.6		
						7.8	0.1	190	19.4	19.4	8.2	8.2	31.3	31.3	100.3	100.3	7.7	7.7	14.4	14.4	12	12	77	77	<0.2	<0.2	0.5	0.5		
IM4	Sunny	Moderate	14:54	8.0	Surface	1.0	0.2	111	19.7	19.7	8.2	8.2	30.8	30.8	102.4	102.4	7.8	7.8	13.3	15.3	5	7	74	75	819577	805050	<0.2	<0.2	0.8	0.7
						1.0	0.2	117	19.7	19.7	8.2	8.2	30.8	30.8	102.4	102.4	7.8	7.8	13.5	15.3	7	7	73	75	<0.2	<0.2	0.8	0.7		
					Middle	4.0	0.1	81	19.4	19.4	8.2	8.2	31.2	31.2	100.7	100.7	7.7	7.7	14.6	14.7	6	7	75	75	<0.2	<0.2	0.7	0.7		
						4.0	0.1	83	19.4	19.4	8.2	8.2	31.2	31.2	100.6	100.6	7.7	7.7	14.7	14.7	5	7	76	76	<0.2	<0.2	0.7	0.7		
					Bottom	7.0	0.1	70	19.4	19.4	8.2	8.2	31.2	31.2	99.8	99.8	7.6	7.6	18.0	18.0	8	8	77	77	<0.2	<0.2	0.7	0.7		
						7.0	0.1	73	19.4	19.4	8.2	8.2	31.2	31.2	99.8	99.8	7.6	7.6	17.8	17.8	8	8	77	77	<0.2	<0.2	0.7	0.7		
IM5	Sunny	Moderate	14:45	7.4	Surface	1.0	0.0	267	19.7	19.7	8.2	8.2	30.9	30.9	102.4	102.3	7.8	7.8	13.0	14.1	8	8	73	75	820562	804912	<0.2	<0.2	0.8	0.7
						1.0	0.0	278	19.7	19.7	8.2	8.2	30.9	30.9	102.2	102.3	7.8	7.8	13.4	14.1	7	8	73	75	<0.2	<0.2	0.8	0.7		
					Middle	3.7	0.1	85	19.7	19.7	8.2	8.2	30.9	30.9	101.6	101.6	7.7	7.7	14.3	14.2	8	8	75	76	<0.2	<0.2	0.7	0.7		
						3.7	0.1	92	19.7	19.7	8.2	8.2	30.9	30.9	101.5	101.6	7.7	7.7	14.2	14.2	9	8	76	76	<0.2	<0.2	0.7	0.7		
					Bottom	6.4	0.1	61	19.4	19.4	8.2	8.2	31.0	31.0	100.1	100.1	7.7	7.7	14.8	14.8	9	8	77	76	<0.2	<0.2	0.7	0.7		
						6.4	0.1	63	19.4	19.4	8.2	8.2	31.0	31.0	100.1	100.1	7.7	7.7	14.9	14.9	8	8	76	76	<0.2	<0.2	0.7	0.7		
IM6	Sunny	Moderate	14:37	7.3	Surface	1.0	0.2	121	19.5	19.5	8.2	8.2	31.0	31.0	101.3	101.3	7.7	7.7	14.2	15.5	10	13	73</							



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 22 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Fine	Moderate	15:01	7.6	Surface	1.0	0.4	109	20.4	8.0	8.0	30.2	30.2	99.5	99.5	7.5	7.6	8.1	16.0	8	9	73	75	822074	808824	<0.2	<0.2	1.5	1.3				
						1.0	0.4	109	20.4	8.0	8.0	30.2	30.2	99.5	99.5	7.5	7.6	8.2	16.0	8	9	73	75	<0.2	<0.2	1.4	1.3						
						3.8	0.4	71	19.6	8.1	8.1	32.1	32.1	99.6	99.6	7.6	7.6	15.9	16.0	9	9	75	75	<0.2	<0.2	1.4	1.3						
					Middle	3.8	0.4	77	19.6	8.1	8.1	32.1	32.1	99.6	99.6	7.6	7.6	16.1	16.0	8	9	75	75	<0.2	<0.2	1.6	1.3						
						6.6	0.3	60	19.6	8.1	8.1	32.3	32.3	99.1	99.1	7.5	7.5	23.8	23.8	9	9	76	76	<0.2	<0.2	1.0	1.3						
						6.6	0.4	65	19.6	8.1	8.1	32.3	32.3	99.1	99.1	7.5	7.5	23.9	23.9	10	9	77	77	<0.2	<0.2	1.1	1.3						
IM10	Fine	Moderate	15:09	7.7	Surface	1.0	0.5	103	20.0	8.1	8.1	31.0	31.0	99.0	99.0	7.5	7.5	8.4	10.0	9	9	73	75	822216	809808	<0.2	<0.2	1.3	1.3				
						1.0	0.5	111	20.0	8.1	8.1	31.0	31.0	99.0	99.0	7.5	7.5	8.4	10.0	8	9	73	75	<0.2	<0.2	1.2	1.3						
						3.9	0.5	94	19.8	8.1	8.1	31.5	31.5	98.8	98.8	7.5	7.5	9.6	10.0	8	9	75	75	<0.2	<0.2	1.3	1.3						
					Middle	3.9	0.5	99	19.8	8.1	8.1	31.5	31.5	98.8	98.8	7.5	7.5	9.4	10.0	8	9	75	75	<0.2	<0.2	1.3	1.3						
						6.7	0.3	86	19.7	8.1	8.1	31.8	31.8	98.5	98.5	7.5	7.5	12.1	12.1	10	9	76	76	<0.2	<0.2	1.3	1.3						
						6.7	0.4	91	19.7	8.1	8.1	31.8	31.8	98.4	98.5	7.5	7.5	12.2	12.2	10	9	77	77	<0.2	<0.2	1.2	1.3						
IM11	Fine	Moderate	15:20	7.3	Surface	1.0	0.4	110	20.0	8.1	8.1	30.6	30.6	98.7	98.7	7.5	7.5	8.5	15.7	8	9	73	75	821505	810562	<0.2	<0.2	1.5	1.5				
						1.0	0.4	115	20.0	8.1	8.1	30.7	30.7	98.7	98.7	7.5	7.5	8.6	15.7	8	9	73	75	<0.2	<0.2	1.4	1.5						
						3.7	0.3	90	19.8	8.1	8.1	31.5	31.5	98.3	98.4	7.5	7.5	14.8	15.7	9	9	76	76	<0.2	<0.2	1.6	1.5						
					Middle	3.7	0.3	93	19.8	8.1	8.1	31.5	31.5	98.4	98.4	7.5	7.5	14.8	15.7	9	9	76	76	<0.2	<0.2	1.5	1.5						
						6.3	0.3	70	19.8	8.1	8.1	31.9	31.9	98.1	98.1	7.4	7.4	23.6	23.6	10	9	76	76	<0.2	<0.2	1.4	1.5						
						6.3	0.4	74	19.8	8.1	8.1	31.9	31.9	98.1	98.1	7.4	7.4	23.8	23.8	9	9	77	77	<0.2	<0.2	1.4	1.5						
IM12	Fine	Moderate	15:27	9.0	Surface	1.0	0.5	112	20.0	8.1	8.1	30.5	30.5	96.3	96.3	7.3	7.3	10.4	15.1	8	9	73	75	821191	811490	<0.2	<0.2	1.5	1.5				
						1.0	0.6	121	20.0	8.1	8.1	30.5	30.5	96.2	96.2	7.3	7.3	10.4	15.1	9	9	73	75	<0.2	<0.2	1.4	1.5						
						4.5	0.5	104	19.8	8.1	8.1	31.0	31.0	96.1	96.1	7.3	7.3	13.8	15.1	10	9	75	75	<0.2	<0.2	1.6	1.5						
					Middle	4.5	0.5	104	19.8	8.1	8.1	31.0	31.0	96.1	96.1	7.3	7.3	13.8	15.1	9	9	75	75	<0.2	<0.2	1.5	1.5						
						8.0	0.4	87	19.7	8.1	8.1	31.5	31.5	96.5	96.5	7.3	7.3	21.1	21.1	9	9	76	76	<0.2	<0.2	1.5	1.5						
						8.0	0.4	91	19.7	8.1	8.1	31.5	31.5	96.5	96.5	7.3	7.3	21.1	21.1	9	9	76	76	<0.2	<0.2	1.6	1.5						
SR2	Fine	Moderate	15:53	4.7	Surface	1.0	0.5	83	20.0	8.0	8.0	30.4	30.4	92.6	92.7	7.0	7.0	8.4	8.7	8	8	73	73	821476	814150	<0.2	<0.2	1.6	1.4				
						1.0	0.5	83	20.0	8.0	8.0	30.4	30.4	92.7	92.7	7.0	7.0	8.5	8.7	8	8	73	73	<0.2	<0.2	1.4	1.4						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	0.5	89	20.0	8.0	8.0	30.5	30.5	93.2	93.4	7.1	7.1	9.0	9.0	9	8	75	75	<0.2	<0.2	1.7	1.4						
						3.7	0.5	92	20.0	8.0	8.0	30.5	30.5	93.6	93.4	7.1	7.1	9.0	9.0	8	8	75	75	<0.2	<0.2	1.4	1.4						
SR3	Fine	Moderate	14:49	9.1	Surface	1.0	0.2	164	20.3	8.0	8.0	30.3	30.3	98.4	98.5	7.5	7.5	9.6	13.6	8	9	-	-	822136	807582	-	-	-	-				
						1.0	0.2	167	20.3	8.0	8.0	30.3	30.3	98.5	98.5	7.5	7.5	9.7	13.6	7	9	-	-	-	-	-	-	-	-				
						4.6	0.3	82	19.5	8.1	8.1	32.3	32.3	98.9	98.9	7.5	7.5	13.4	13.6	9	9	-	-	-	-	-	-	-	-				
					Middle	4.6	0.3	87	19.5	8.1	8.1	32.3	32.3	98.9	98.9	7.5	7.5	13.4	13.6	8	9	-	-	-	-	-	-	-	-	-	-		
						8.1	0.3	67	19.4	8.1	8.1	32.4	32.4	98.6	98.6	7.5	7.5	17.9	17.9	10	9	-	-	-	-	-	-	-	-	-			
						8.1	0.3	68	19.4	8.1	8.1	32.4	32.4	98.6	98.6	7.5	7.5	17.6	17.6	11	9	-	-	-	-	-	-	-	-	-			
SR4A	Sunny	Calm	15:50	9.0	Surface	1.0	0.4	70	19.6	8.2	8.2	30.8	30.8	100.6	100.6	7.7	7.7	15.0	17.3	9	9	-	-	817202	807782	-	-	-	-				
						1.0	0.4	72	19.6	8.2	8.2	30.8	30.8	100.6	100.6	7.7	7.7	15.0	17.3	8	9	-	-	-	-	-	-	-	-				
						4.5	0.4	69	19.4	8.2	8.2	31.2	31.2	98.8	98.8	7.6	7.6	19.0	17.3	9	9	-	-	-	-	-	-	-	-				
					Middle	4.5	0.4	74	19.4	8.2	8.2	31.2	31.2	98.8	98.8	7.6	7.6	18.7	17.3	8	9	-	-	-	-	-	-	-	-	-			
						8.0	0.4	72	19.3	8.2	8.2	31.2	31.2	98.5	98.5	7.5	7.5	18.2	17.3	12	9	-	-	-	-	-	-	-	-				
						8.0	0.4	77	19.3	8.2	8.2	31.2	31.2	98.5	98.5	7.5	7.5	18.0	17.3	10	9	-	-	-	-	-	-	-	-				
SR5A	Sunny	Calm	16:06	5.5	Surface	1.0	0.0	108	20.0	8.1	8.1	29.2	29.2	94.5	94.6	7.2	7.2	13.8	13.6	8	9	-	-	816571	810724	-	-	-	-				
						1.0	0.0	111	20.0	8.1	8.1	29.2	29.2	94.6	94.6	7.2	7.2	13.7	13.6	8	9	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						4.5	0.1	114	20.0	8.1	8.1	29.5	29.5	95.8	95.9	7.3	7.3	13.5	13.6	10	9	-	-	-	-	-	-	-	-				
						4.5	0.1	114	20.0	8.1	8.1	29.5	29.5	95.9	95.9	7.3	7.3	13.3	13.6	10	9	-	-	-	-	-	-	-	-				
SR6	Sunny	Calm	16:28	4.1	Surface	1.0	0.0	19	21.2	8.0	8.0	28.2	28.2	94.5	94.5	7.1	7.1	17.7	17.6	10	10	-	-	817879	814669	-	-	-	-				
						1.0	0.0	19	21.2	8.0	8.0	28.2	28.2	94.5	94.5	7.1	7.1	17.6	17.6	10	10	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.1	0.1	326	21.2	8.0	8.0	28.3	28.3	96.3	96.3	7.3	7.3	17.5	17.6	9	10	-	-	-	-	-	-	-					
						3.1	0.2	335	21.2	8.0	8.0	28.3	28.3	96.4</																			

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 22 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	09:54	8.3	Surface	1.0	0.4	43	19.2	8.2	8.2	30.8	30.8	98.4	98.4	7.6	7.6	18.1	7.6	16	71	74	815610	804220	<0.2	<0.2	0.9	0.8								
						1.0	0.4	46	19.2	8.2	8.2	30.8	30.8	98.4	98.4	7.6	7.6	17.8	7.6	16	71	74	815610	804220	<0.2	<0.2	0.7	0.8								
						4.2	0.5	32	19.2	8.2	8.2	30.9	30.9	98.1	98.1	7.6	7.6	20.7	7.6	15	74	73	815610	804220	<0.2	<0.2	0.8	0.7								
					Middle	4.2	0.5	32	19.2	8.2	8.2	30.9	30.9	98.1	98.1	7.6	7.6	20.7	7.6	15	73	73	815610	804220	<0.2	<0.2	0.7	0.8								
						7.3	0.5	28	19.2	8.2	8.2	30.9	30.9	97.9	97.9	7.5	7.5	23.2	7.5	15	76	76	815610	804220	<0.2	<0.2	0.8	0.8								
						7.3	0.5	28	19.2	8.2	8.2	30.9	30.9	97.9	97.9	7.5	7.5	23.5	7.5	16	76	76	815610	804220	<0.2	<0.2	0.8	0.8								
C2	Fine	Moderate	10:37	12.3	Surface	1.0	0.5	353	20.0	7.9	7.9	29.3	29.3	91.4	91.4	7.0	7.0	6.4	9	72	74	825704	806954	<0.2	<0.2	1.8	1.8									
						1.0	0.5	325	20.0	7.9	7.9	29.3	29.3	91.4	91.4	7.0	7.0	6.7	11	72	74	825704	806954	<0.2	<0.2	1.7	1.8									
						6.2	0.5	341	19.9	8.0	8.0	30.0	30.0	90.6	90.6	6.9	6.9	13.2	11	73	73	825704	806954	<0.2	<0.2	1.8	1.8									
					Middle	6.2	0.5	354	19.9	8.0	8.0	30.0	30.0	90.6	90.6	6.9	6.9	13.3	10	73	73	825704	806954	<0.2	<0.2	1.8	1.8									
						11.3	0.4	348	19.9	8.0	8.0	30.1	30.1	89.9	89.9	6.9	6.9	18.3	10	76	76	825704	806954	<0.2	<0.2	1.8	1.8									
						11.3	0.5	320	19.9	8.0	8.0	30.1	30.1	89.9	89.9	6.9	6.9	18.3	10	77	77	825704	806954	<0.2	<0.2	1.7	1.7									
C3	Fine	Moderate	08:51	11.5	Surface	1.0	0.5	255	19.6	8.0	8.0	30.5	30.5	90.6	90.6	6.9	6.9	4.6	6	71	73	822123	817815	<0.2	<0.2	1.3	1.3									
						1.0	0.5	273	19.6	8.0	8.0	30.5	30.5	90.7	90.7	6.9	6.9	4.7	7	71	73	822123	817815	<0.2	<0.2	1.4	1.4									
						5.8	0.6	261	19.6	8.0	8.0	31.4	31.4	90.0	90.1	6.9	6.9	6.9	7	73	73	822123	817815	<0.2	<0.2	1.3	1.3									
					Middle	5.8	0.6	268	19.5	8.0	8.0	31.5	31.4	90.1	90.1	6.9	6.9	6.7	7	73	73	822123	817815	<0.2	<0.2	1.4	1.4									
						10.5	0.4	268	19.5	8.0	8.0	31.8	31.8	90.5	90.6	6.9	6.9	10.3	7	75	75	822123	817815	<0.2	<0.2	1.3	1.3									
						10.5	0.5	283	19.5	8.0	8.0	31.8	31.8	90.6	90.6	6.9	6.9	10.3	6	75	75	822123	817815	<0.2	<0.2	1.3	1.3									
IM1	Sunny	Moderate	10:11	7.5	Surface	1.0	0.5	10	19.5	8.2	8.2	29.7	29.7	97.7	97.7	7.5	7.5	12.8	8	72	74	818353	806448	<0.2	<0.2	1.0	1.1									
						1.0	0.6	10	19.5	8.2	8.2	29.7	29.7	97.7	97.7	7.5	7.5	13.0	8	73	73	818353	806448	<0.2	<0.2	0.9	0.9									
						3.8	0.6	12	19.5	8.2	8.2	29.7	29.7	97.1	97.1	7.5	7.5	17.2	6	74	74	818353	806448	<0.2	<0.2	1.3	1.3									
					Middle	3.8	0.6	12	19.5	8.2	8.2	29.8	29.7	97.1	97.1	7.5	7.5	17.3	6	74	74	818353	806448	<0.2	<0.2	1.3	1.3									
						6.5	0.5	4	19.4	8.2	8.2	30.4	30.4	96.2	96.2	7.4	7.4	25.4	7	76	76	818353	806448	<0.2	<0.2	1.0	1.0									
						6.5	0.5	4	19.4	8.2	8.2	30.4	30.4	96.2	96.2	7.4	7.4	25.1	6	76	76	818353	806448	<0.2	<0.2	1.0	1.0									
IM2	Sunny	Moderate	10:16	8.3	Surface	1.0	0.5	349	19.5	8.2	8.2	29.5	29.5	97.5	97.5	7.5	7.5	12.3	6	71	73	818878	806184	<0.2	<0.2	1.0	1.0									
						1.0	0.5	321	19.5	8.2	8.2	29.5	29.5	97.4	97.4	7.5	7.5	12.6	7	72	72	818878	806184	<0.2	<0.2	1.0	1.0									
						4.2	0.6	1	19.4	8.2	8.2	29.6	29.6	96.9	96.9	7.5	7.5	15.3	8	73	73	818878	806184	<0.2	<0.2	1.0	1.0									
					Middle	4.2	0.7	1	19.4	8.2	8.2	29.6	29.6	96.9	96.9	7.5	7.5	15.6	7	73	73	818878	806184	<0.2	<0.2	1.0	1.0									
						7.3	0.5	357	19.4	8.2	8.2	30.5	30.5	95.2	95.2	7.3	7.3	20.8	8	74	74	818878	806184	<0.2	<0.2	0.9	0.9									
						7.3	0.5	328	19.4	8.2	8.2	30.4	30.4	95.2	95.2	7.3	7.3	20.5	8	75	75	818878	806184	<0.2	<0.2	1.1	1.1									
IM3	Sunny	Moderate	10:21	8.4	Surface	1.0	0.5	21	19.6	8.2	8.2	29.2	29.2	97.3	97.3	7.5	7.5	11.5	7	72	74	819383	806004	<0.2	<0.2	1.1	1.1									
						1.0	0.5	22	19.6	8.2	8.2	29.2	29.2	97.3	97.3	7.5	7.5	11.7	8	72	72	819383	806004	<0.2	<0.2	1.1	1.1									
						4.2	0.5	27	19.5	8.2	8.2	29.3	29.3	97.0	97.0	7.5	7.5	13.3	8	73	73	819383	806004	<0.2	<0.2	1.2	1.2									
					Middle	4.2	0.6	29	19.5	8.2	8.2	29.3	29.3	97.0	97.0	7.5	7.5	13.9	7	73	73	819383	806004	<0.2	<0.2	1.1	1.1									
						7.4	0.5	27	19.4	8.2	8.2	30.2	30.2	96.7	96.7	7.5	7.5	29.6	8	75	75	819383	806004	<0.2	<0.2	1.1	1.1									
						7.4	0.5	28	19.4	8.2	8.2	30.2	30.2	96.7	96.7	7.4	7.4	29.5	7	76	76	819383	806004	<0.2	<0.2	1.0	1.0									
IM4	Sunny	Moderate	10:29	7.9	Surface	1.0	0.5	16	19.7	8.2	8.2	28.9	28.9	97.5	97.5	7.5	7.5	11.6	6	73	75	819558	805048	<0.2	<0.2	1.2	1.2									
						1.0	0.5	17	19.7	8.2	8.2	28.9	28.9	97.5	97.5	7.5	7.5	11.6	6	74	74	819558	805048	<0.2	<0.2	1.3	1.3									
						4.0	0.6	27	19.4	8.2	8.2	29.4	29.4	97.8	97.8	7.6	7.6	12.6	7	75	75	819558	805048	<0.2	<0.2	1.2	1.2									
					Middle	4.0	0.6	27	19.4	8.2	8.2	29.4	29.4	97.8	97.8	7.6	7.6	12.7	7	75	75	819558	805048	<0.2	<0.2	1.2	1.2									
						6.9	0.6	23	19.4	8.2	8.2	30.3	30.3	97.4	97.4	7.5	7.5	20.9	7	76	76	819558	805048	<0.2	<0.2	1.2	1.2									
						6.9	0.6	23	19.4	8.2	8.2	30.3	30.3	97.4	97.4	7.5	7.5	20.5	8	76	76	819558	805048	<0.2	<0.2	1.0	1.0									
IM5	Sunny	Moderate	10:38	7.2	Surface	1.0	0.6	18	19.6	8.1	8.1	28.8	28.8	97.0	97.0	7.5	7.5	10.9	7	74	75	820577	804896	<0.2	<0.2	1.3	1.3									
						1.0	0.7	19	19.6	8.1	8.1	28.8	28.8	97.0	97.0	7.5	7.5	10.9	7	74	74	820577	804896	<0.2	<0.2	1.2	1.2									
						3.6	0.7	21	19.6	8.1	8.1	28.9	28.9	96.8	96.8	7.5	7.5	12.9	9	75	75	820577	804896	<0.2	<0.2	1.1	1.1									
					Middle	3.6	0.7	21	19.6	8.1	8.1	28.9	28.9	96.8	96.8	7.5	7.5	13.0	8	75	75	820577	804896	<0.2	<0.2	1.2	1.2									
						6.2	0.6	15	19.4	8.1	8.1	29.6	29.6	95.8	95.8	7.4	7.4	23.2	7	76	76	820577	804896	<0.2	<0.2	1.3	1.3									
						6.2	0.6	15	19.4	8.1	8.1	29.6	29.6	95.7	95.7	7.4	7.4	22.7	7	76	76	820577	804896	<0.2	<0.2	1.2	1.2									
IM6	Sunny	Moderate	10:47	7.2	Surface	1.0	0.3	30	19.6	8.2	8.2	29.2	29.2	95.9	95.9	7.4	7.4	22.6	13	72	75	821050	805811	<0.2	<0.2	1.0	1.0									
						1.0	0.3	32	19.6	8.2	8.2	29.2	29.2	95.8	95.8	7.4	7.4	22.7	14	72	72	821050	805811	<0.2												

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 22 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
IM9	Fine	Moderate	10:04	7.4	Surface	1.0	0.2	338	19.7	19.7	8.1	8.1	30.1	30.1	94.1	94.1	7.2	7.2	12.3	12.3	13	14	71	71	822117	808782	<0.2	<0.2	1.4	1.4					
						1.0	0.2	340	19.7	8.1	8.1	30.1	30.1	94.1	94.1	7.2	7.2	12.3	14	72	72														
					Middle	3.7	0.2	348	19.7	19.7	8.1	8.1	30.1	30.1	94.3	94.4	7.2	7.2	16.2	16.2	15	15	73	73											
						3.7	0.2	320	19.7	19.7	8.1	8.1	30.1	30.1	94.4	94.4	7.2	7.2	16.5	16.5	15	15	73	73											
					Bottom	6.4	0.2	349	19.7	19.7	8.1	8.1	30.1	30.1	95.1	95.1	7.3	7.3	19.5	19.5	14	14	77	77											
						6.4	0.2	351	19.7	19.7	8.1	8.1	30.1	30.1	95.2	95.2	7.3	7.3	19.5	19.5	14	14	77	77											
IM10	Fine	Moderate	09:56	7.8	Surface	1.0	0.6	309	19.7	19.7	8.0	8.0	30.3	30.3	93.0	93.1	7.1	7.1	13.1	13.1	12	13	71	71	822269	809865	<0.2	<0.2	1.4	1.4					
						1.0	0.6	326	19.7	19.7	8.0	8.0	30.3	30.3	93.1	93.1	7.1	7.1	13.1	13	72	72													
					Middle	3.9	0.5	313	19.7	19.7	8.0	8.0	30.3	30.3	92.9	92.9	7.1	7.1	15.2	15.2	14	14	73	73											
						3.9	0.6	320	19.7	19.7	8.0	8.0	30.3	30.3	93.0	93.0	7.1	7.1	15.2	13	73	73													
					Bottom	6.8	0.4	313	19.7	19.7	8.0	8.0	30.3	30.3	93.2	93.2	7.1	7.1	16.4	16.4	14	14	76	76											
						6.8	0.4	339	19.7	19.7	8.0	8.0	30.3	30.3	93.3	93.3	7.1	7.1	16.4	14	76	76													
IM11	Fine	Moderate	09:43	7.9	Surface	1.0	0.6	294	19.7	19.7	8.0	8.0	30.3	30.3	92.2	92.2	7.1	7.1	14.1	14.1	12	13	71	71	821527	810551	<0.2	<0.2	1.4	1.4					
						1.0	0.6	298	19.7	19.7	8.0	8.0	30.3	30.3	92.2	92.2	7.1	7.1	14.1	13	71	71													
					Middle	4.0	0.6	299	19.6	19.6	8.0	8.0	30.3	30.3	92.2	92.2	7.1	7.1	17.3	17.3	13	13	73	73											
						4.0	0.6	304	19.6	19.6	8.0	8.0	30.3	30.3	92.2	92.2	7.1	7.1	17.3	13	73	73													
					Bottom	6.9	0.5	296	19.6	19.6	8.0	8.0	30.3	30.3	92.5	92.5	7.1	7.1	20.3	20.3	13	13	75	75											
						6.9	0.5	317	19.6	19.6	8.0	8.0	30.3	30.3	93.1	93.1	7.1	7.1	20.3	14	76	76													
IM12	Fine	Moderate	09:36	8.0	Surface	1.0	0.7	282	19.7	19.7	8.0	8.0	30.3	30.3	91.3	91.3	7.0	7.0	17.4	17.4	12	14	71	71	821164	811502	<0.2	<0.2	1.4	1.4					
						1.0	0.7	308	19.7	19.7	8.0	8.0	30.3	30.3	91.3	91.3	7.0	7.0	17.5	17.5	14	14	72	72											
					Middle	4.0	0.6	278	19.7	19.7	8.0	8.0	30.3	30.3	91.2	91.3	7.0	7.0	18.6	18.6	16	16	73	73											
						4.0	0.6	295	19.7	19.7	8.0	8.0	30.3	30.3	91.3	91.3	7.0	7.0	18.6	16	73	73													
					Bottom	7.0	0.5	282	19.6	19.6	8.0	8.0	30.3	30.3	92.1	92.2	7.1	7.1	20.4	20.4	15	15	75	75											
						7.0	0.5	305	19.6	19.6	8.0	8.0	30.3	30.3	92.2	92.2	7.1	7.1	20.4	17	76	76													
SR2	Fine	Moderate	09:11	4.6	Surface	1.0	0.1	128	19.7	19.7	8.0	8.0	30.5	30.5	90.5	90.5	6.9	6.9	15.1	15.1	10	10	71	71	821479	814139	<0.2	<0.2	1.3	1.3					
						1.0	0.2	128	19.7	19.7	8.0	8.0	30.5	30.5	90.4	90.4	6.9	6.9	15.1	10	72	72													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-
					Bottom	3.6	0.1	113	19.7	19.7	8.0	8.0	30.5	30.5	91.1	91.1	7.0	7.0	16.8	16.8	10	10	73	73											
						3.6	0.1	114	19.7	19.7	8.0	8.0	30.5	30.5	91.1	91.1	7.0	7.0	16.5	12	73	73													
SR3	Fine	Moderate	10:18	9.1	Surface	1.0	0.4	19	19.8	19.8	8.0	8.0	29.8	29.8	92.6	92.6	7.1	7.1	13.2	13.2	13	14	-	-	822117	807564	-	-	-	-					
						1.0	0.4	19	19.8	19.8	8.0	8.0	29.8	29.8	92.5	92.5	7.1	7.1	13.2	14	-	-													
					Middle	4.6	0.5	21	19.7	19.7	8.1	8.1	29.9	29.9	92.5	92.5	7.1	7.1	16.4	16.4	16	16	-	-											
						4.6	0.5	22	19.7	19.7	8.1	8.1	29.9	29.9	92.5	92.5	7.1	7.1	16.4	16	-	-													
					Bottom	8.1	0.5	13	19.6	19.6	8.1	8.1	30.0	30.0	92.9	92.9	7.1	7.1	19.2	19.2	12	12	-	-											
						8.1	0.5	13	19.6	19.6	8.1	8.1	30.0	30.0	92.8	92.8	7.1	7.1	19.2	12	-	-													
SR4A	Fine	Calm	09:31	9.0	Surface	1.0	0.4	248	19.6	19.6	8.1	8.1	29.3	29.3	89.0	89.0	6.9	6.9	19.4	19.4	11	11	-	-	817177	807787	-	-	-	-					
						1.0	0.4	249	19.6	19.6	8.1	8.1	29.3	29.3	89.0	89.0	6.9	6.9	19.4	11	-	-													
					Middle	4.5	0.3	255	19.4	19.4	8.1	8.1	29.5	29.5	89.0	89.0	6.9	6.9	21.5	21.5	16	16	-	-											
						4.5	0.3	262	19.4	19.4	8.1	8.1	29.5	29.5	89.0	89.0	6.9	6.9	21.0	16	-	-													
					Bottom	8.0	0.2	265	19.4	19.4	8.1	8.1	29.6	29.6	88.9	88.9	6.9	6.9	20.3	17	-	-													
						8.0	0.3	271	19.4	19.4	8.1	8.1	29.6	29.6	89.0	89.0	6.9	6.9	20.4	18	-	-													
SR5A	Fine	Calm	09:15	4.6	Surface	1.0	0.3	292	19.8	19.8	8.0	8.0	28.6	28.6	86.6	86.6	6.7	6.7	19.4	19.4	17	16	-	-	816609	810666	-	-	-	-					
						1.0	0.4	305	19.8	19.8	8.0	8.0	28.6	28.6	86.6	86.6	6.7	6.7	19.2	16	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	
					Bottom	3.6	0.3	297	19.8	19.8	8.0	8.0	28.6	28.6	88.8	88.8	6.9	6.9	19.4	15	-	-													
						3.6	0.3	306	19.8	19.8	8.0	8.0	28.6	28.6	88.9	88.9	6.9	6.9	19.3	16	-	-													
SR6	Fine	Calm	08:53	4.0	Surface	1.0	0.2	273	19.8	19.8	8.0	8.0	28.4	28.4	92.7	92.8	7.2	7.2	19.6	19.6	14	15	-	-	817881	814674	-	-	-	-					
						1.0	0.2	274	19.8	19.8	8.0	8.0	28.4	28.4	92.8	92.8	7.2	7.2	19.7	15	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-		
					Bottom	3.0	0.2	272	19.8	19.8	8.0	8.0	28.4	28.4	94.4	94.4	7.3	7.3	18.8	14	-	-													
						3.0	0.2	272	19.8	19.8	8.0	8.0	28.4	28.4	95.5	95.0	7.4	7.4	19.2	13	-	-													
SR7	Fine	Calm	08:21	16.5	Surface	1.0	0.1	23	19.5	19.5	8.0	8.0	30.8	30.8	90.1	90.1	6.9	6.9	4.6	4.6	5	5	-	-	823622	823751	-	-	-	-					
						1.0	0.1	24	19.5	19.5	8.0	8.0	30.8	30.8	90.1	90.1	6.9	6.9	4.6	5	-	-													
					Middle	8.3	0.1	9	19.5	19.5	8.0	8.0	31.1	31.1	89.4	89.4	6.8	6.8	4.7	6	-	-													
						8.3	0.1	9	19.5	19.5	8.0	8.0	31.1	31.1	89.4	89.4	6.8	6.8	4.6	4	-	-													
					Bottom	15.5	0.2	47	19.5	19.5	8.0	8.0	31.3	31.3	89.2	89.2	6.8	6.8	3.4	5	-	-													
						15.5	0.2	47	19.5	19.5																									

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 24 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Cloudy	Moderate	17:52	9.1	Surface	1.0	0.1	107	20.4	20.4	8.1	8.1	30.2	30.2	114.8	114.8	8.7	1.8	3	73	5	73	74	815625	804236	<0.2	1.3	1.2	1.2				
						1.0	0.1	107	20.4	8.1	8.1	30.2	30.2	114.8	114.8	8.7	1.8	5	73	4	73	5	73	74	815625	804236	<0.2	1.4	1.2	1.4			
					Middle	4.6	0.1	81	19.7	19.7	8.1	8.1	31.7	31.7	107.9	107.9	8.2	7.0	4	73	4	73	5	74	74	815625	804236	<0.2	1.1	1.2	1.1		
						4.6	0.1	82	19.7	19.7	8.1	8.1	31.7	31.7	107.8	107.8	8.2	7.1	5	74	5	74	6	75	74	815625	804236	<0.2	1.1	1.2	1.1		
					Bottom	8.1	0.0	226	19.7	19.7	8.1	8.1	31.7	31.7	106.2	106.2	8.1	9.0	5	75	5	76	6	76	6	76	74	815625	804236	<0.2	1.1	1.2	1.1
						8.1	0.0	246	19.7	19.7	8.1	8.1	31.7	31.7	105.9	105.9	8.0	8.9	5	76	5	76	6	76	6	76	74	815625	804236	<0.2	1.1	1.2	1.1
C2	Cloudy	Moderate	16:22	12.7	Surface	1.0	0.3	329	20.9	20.9	8.0	8.0	27.4	27.4	101.4	101.3	7.7	3.0	5	72	5	72	74	825652	806970	<0.2	2.4	2.5	2.4				
						1.0	0.4	303	20.9	20.9	8.0	8.0	27.5	27.4	101.2	101.3	7.7	3.1	5	73	4	74	4	74	74	825652	806970	<0.2	2.4	2.5	2.6		
					Middle	6.4	0.3	354	20.2	20.2	8.0	8.0	28.5	28.6	99.1	99.1	7.6	9.7	4	74	4	74	4	74	74	825652	806970	<0.2	2.6	2.5	2.6		
						6.4	0.3	326	20.2	20.2	8.0	8.0	28.6	28.6	99.0	99.1	7.6	9.6	4	74	7	76	7	76	74	825652	806970	<0.2	2.6	2.5	2.6		
					Bottom	11.7	0.2	31	20.1	20.1	8.0	8.0	28.8	28.8	98.0	98.0	7.5	14.8	7	76	7	76	6	76	6	76	74	825652	806970	<0.2	2.5	2.5	2.6
						11.7	0.2	33	20.1	20.1	8.0	8.0	28.8	28.8	97.9	98.0	7.5	14.7	6	76	6	76	6	76	6	76	74	825652	806970	<0.2	2.6	2.5	2.6
C3	Cloudy	Moderate	18:09	12.0	Surface	1.0	0.2	66	20.3	20.3	8.1	8.1	30.5	30.5	93.2	93.2	7.0	1.5	4	73	4	73	75	822102	817779	<0.2	1.4	1.2	1.4				
						1.0	0.2	69	20.3	20.3	8.1	8.1	30.5	30.5	93.2	93.2	7.0	1.5	4	73	4	73	4	74	75	822102	817779	<0.2	1.2	1.2	1.1		
					Middle	6.0	0.2	86	19.8	19.8	8.1	8.1	30.8	30.8	90.8	90.9	6.9	1.5	8	74	7	75	7	75	74	822102	817779	<0.2	1.1	1.2	1.1		
						6.0	0.3	89	19.8	19.8	8.1	8.1	30.8	30.8	91.0	90.9	6.9	1.4	7	75	8	76	8	76	74	822102	817779	<0.2	1.1	1.2	1.1		
					Bottom	11.0	0.2	90	19.6	19.6	8.1	8.1	31.2	31.2	87.7	87.8	6.7	2.0	8	76	8	76	9	77	9	77	74	822102	817779	<0.2	1.1	1.2	1.0
						11.0	0.3	90	19.6	19.6	8.1	8.1	31.2	31.2	87.8	87.8	6.7	2.0	9	77	9	77	9	77	9	77	74	822102	817779	<0.2	1.0	1.2	1.0
IM1	Cloudy	Moderate	17:32	8.0	Surface	1.0	0.3	33	20.2	20.2	8.1	8.1	30.6	30.6	113.3	113.3	8.6	2.6	7	72	7	72	73	818321	806441	<0.2	1.0	1.0	1.0				
						1.0	0.3	33	20.2	20.2	8.1	8.1	30.6	30.6	113.2	113.3	8.6	2.8	7	72	7	72	7	72	73	818321	806441	<0.2	1.0	1.0	1.0		
					Middle	4.0	0.2	23	20.2	20.2	8.1	8.1	30.7	30.7	111.4	111.4	8.4	3.4	6	73	6	73	6	73	73	818321	806441	<0.2	1.0	1.0	1.0		
						4.0	0.3	23	20.2	20.2	8.1	8.1	30.7	30.7	111.3	111.4	8.4	3.5	7	73	6	73	6	73	73	818321	806441	<0.2	1.0	1.0	1.0		
					Bottom	7.0	0.2	12	20.1	20.1	8.1	8.1	30.7	30.7	106.7	106.6	8.1	6.1	5	75	5	75	6	73	6	73	73	818321	806441	<0.2	1.0	1.0	0.9
						7.0	0.2	12	20.1	20.1	8.1	8.1	30.7	30.7	106.4	106.6	8.1	6.1	6	73	6	73	6	73	6	73	73	818321	806441	<0.2	1.0	1.0	0.9
IM2	Cloudy	Moderate	17:26	8.8	Surface	1.0	0.3	36	20.1	20.1	8.1	8.1	30.7	30.8	113.2	113.1	8.6	2.6	4	71	5	71	73	818865	806197	<0.2	1.0	1.0	1.0				
						1.0	0.3	38	20.1	20.1	8.1	8.1	30.8	30.8	113.0	113.0	8.6	2.7	5	71	5	71	5	71	73	818865	806197	<0.2	1.0	1.0	1.0		
					Middle	4.4	0.2	39	20.0	20.0	8.1	8.1	30.9	30.9	111.6	111.6	8.5	3.8	8	73	7	73	7	73	73	818865	806197	<0.2	1.0	1.0	1.0		
						4.4	0.2	41	20.0	20.0	8.1	8.1	30.9	30.9	111.5	111.6	8.4	3.8	7	74	7	74	6	75	6	75	73	818865	806197	<0.2	1.0	1.0	0.9
					Bottom	7.8	0.2	47	20.0	20.0	8.1	8.1	31.0	31.0	108.6	108.4	8.2	4.9	6	75	6	75	6	75	6	75	73	818865	806197	<0.2	0.9	1.0	0.9
						7.8	0.2	48	20.0	20.0	8.1	8.1	31.0	31.0	108.2	108.4	8.2	5.0	8	75	8	75	8	75	8	75	73	818865	806197	<0.2	1.0	1.0	0.9
IM3	Cloudy	Moderate	17:21	9.1	Surface	1.0	0.4	66	20.5	20.5	8.1	8.1	30.3	30.4	114.5	114.4	8.6	1.4	7	71	6	72	73	819436	806006	<0.2	1.2	1.2	1.3				
						1.0	0.4	70	20.4	20.4	8.1	8.1	30.4	30.4	114.2	114.4	8.6	1.5	6	72	6	72	6	73	73	819436	806006	<0.2	1.3	1.2	1.3		
					Middle	4.6	0.3	48	19.9	19.9	8.1	8.1	31.1	31.1	109.8	109.8	8.3	9.1	6	73	6	73	6	73	73	819436	806006	<0.2	1.4	1.2	1.4		
						4.6	0.3	48	19.9	19.9	8.1	8.1	31.1	31.1	109.8	109.8	8.3	9.4	8	73	8	73	8	73	73	819436	806006	<0.2	1.4	1.2	1.4		
					Bottom	8.1	0.3	27	19.9	19.9	8.1	8.1	31.1	31.1	109.6	109.6	8.3	8.7	6	75	6	75	6	75	6	75	73	819436	806006	<0.2	1.0	1.2	1.0
						8.1	0.3	28	19.9	19.9	8.1	8.1	31.1	31.1	109.6	109.6	8.3	7.8	7	75	7	75	7	75	7	75	73	819436	806006	<0.2	1.0	1.2	1.0
IM4	Cloudy	Moderate	17:13	8.3	Surface	1.0	0.3	49	20.3	20.3	8.1	8.1	30.3	30.3	113.6	113.6	8.6	2.2	4	73	4	74	75	819589	805033	<0.2	1.5	1.3	1.5				
						1.0	0.3	51	20.3	20.3	8.1	8.1	30.3	30.3	113.6	113.6	8.6	2.2	4	74	4	74	4	74	75	819589	805033	<0.2	1.5	1.3	1.5		
					Middle	4.2	0.2	21	20.0	20.0	8.1	8.1	30.9	30.9	110.4	110.4	8.4	5.0	5	75	5	75	5	75	75	819589	805033	<0.2	1.6	1.3	1.6		
						4.2	0.2	21	20.0	20.0	8.1	8.1	30.9	30.9	110.3	110.4	8.4	5.1	6	75	6	75	6	75	6	75	75	819589	805033	<0.2	1.4	1.3	1.4
					Bottom	7.3	0.2	14	19.9	19.9	8.1	8.1	31.1	31.1	107.0	107.0	8.1	10.8	12	77	12	77	12	77	12	77	75	819589	805033	<0.2	0.8	1.3	0.8
						7.3	0.2	14	19.9	19.9	8.1	8.1	31.1	31.1	106.9	107.0	8.1	11.0	13	77	13	77	13	77	13	77	75	819589	805033	<0.2	0.9	1.3	0.9
IM5	Cloudy	Moderate	17:03	7.5	Surface	1.0	0.2	21	20.3	20.3	8.1	8.1	30.1	30.1	111.3	111.3	8.4	3.6	6	73	5	73	75	820537	804945	<0.2	1.3	1.2	1.3				
						1.0	0.2	22	20.3	20.3	8.1	8.1	30.1	30.1	111.3	111.3	8.4	3.6	5	73	5	73	5	73	75	820537	804945	<0.2	1.2	1.2	1.3		
					Middle	3.8	0.3	359	20.0	20.0	8.1	8.1	30.9	30.9	106.9	106.8																	



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 24 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	10:42	8.8	Surface	1.0	0.3	40	19.9	8.1	8.1	30.5	30.6	107.3	107.2	8.2	8.1	4.1	8.3	5	6	71	73	815620	804266	<0.2	<0.2	1.0	1.1			
						1.0	0.3	43	19.9	8.1	8.1	30.6	30.6	107.1	107.2	8.1	8.1	4.6	8.3	5	6	72	73	<0.2	<0.2	1.0	1.2					
						4.4	0.3	44	19.9	8.1	8.1	31.1	31.1	105.9	105.8	8.0	8.0	8.5	8.3	6	6	73	73	<0.2	<0.2	1.2	1.1					
					4.4	0.3	47	19.9	19.9	8.1	8.1	31.1	31.1	105.7	105.8	8.0	8.0	9.2	8.3	4	6	73	73	<0.2	<0.2	1.1	1.1					
					7.8	0.3	51	19.9	19.9	8.1	8.1	31.2	31.2	104.5	104.4	7.9	7.9	11.5	8.3	8	6	75	76	<0.2	<0.2	1.2	1.1					
					7.8	0.3	51	19.9	19.9	8.1	8.1	31.2	31.2	104.2	104.4	7.9	7.9	11.6	8.3	8	6	76	76	<0.2	<0.2	1.1	1.1					
C2	Cloudy	Moderate	12:02	12.8	Surface	1.0	0.5	349	20.9	7.9	7.9	27.0	27.0	100.7	100.7	7.7	7.7	3.4	7.3	6	8	73	75	825678	806957	<0.2	<0.2	2.4	2.5			
						1.0	0.5	359	20.9	7.9	7.9	27.0	27.0	100.6	100.7	7.7	7.7	3.4	7.3	5	8	73	75	<0.2	<0.2	2.5	2.5					
						6.4	0.5	348	20.2	8.0	8.0	28.3	28.3	97.6	97.7	7.5	7.5	4.0	7.3	10	8	75	75	<0.2	<0.2	2.6	2.6					
					6.4	0.5	320	20.2	20.2	8.0	8.0	28.4	28.4	97.7	97.7	7.5	7.5	4.6	7.3	8	8	75	77	<0.2	<0.2	2.6	2.4					
					11.8	0.5	345	20.1	20.1	8.0	8.0	29.4	29.4	98.1	98.1	7.5	7.5	13.2	7.3	9	8	77	77	<0.2	<0.2	2.4	2.3					
					11.8	0.5	350	20.1	20.1	8.0	8.0	29.4	29.4	98.1	98.1	7.5	7.5	15.1	7.3	8	8	77	77	<0.2	<0.2	2.3	2.3					
C3	Cloudy	Moderate	09:46	11.7	Surface	1.0	0.3	243	20.1	8.1	8.1	29.4	29.4	93.7	93.7	7.2	7.2	1.8	7.0	5	5	73	75	822115	817796	<0.2	<0.2	1.8	1.8			
						1.0	0.3	261	20.1	8.1	8.1	29.4	29.4	93.7	93.7	7.1	7.1	1.8	7.0	5	5	73	75	<0.2	<0.2	1.8	1.8					
						5.9	0.2	265	19.8	8.1	8.1	30.1	30.1	90.5	90.4	6.9	6.9	1.8	7.0	4	5	75	75	<0.2	<0.2	2.3	2.3					
					5.9	0.3	267	19.8	19.8	8.1	8.1	30.1	30.1	90.2	90.4	6.9	6.9	1.8	7.0	4	5	75	75	<0.2	<0.2	2.7	2.7					
					10.7	0.4	275	19.7	19.7	8.1	8.1	30.6	30.6	89.1	89.2	6.8	6.8	3.0	7.0	5	5	77	77	<0.2	<0.2	1.4	1.4					
					10.7	0.4	297	19.7	19.7	8.1	8.1	30.6	30.6	89.2	89.2	6.8	6.8	3.2	7.0	5	5	76	76	<0.2	<0.2	1.4	1.4					
IM1	Cloudy	Moderate	10:59	7.5	Surface	1.0	0.4	358	20.1	20.1	8.1	8.1	30.7	30.7	107.7	107.7	8.2	8.1	2.0	4.4	5	5	71	73	818348	806456	<0.2	<0.2	1.1	1.2		
						1.0	0.5	329	20.1	20.1	8.1	8.1	30.7	30.7	107.6	107.7	8.2	8.1	2.0	4.4	4	5	71	73	<0.2	<0.2	1.2	1.2				
						3.8	0.4	1	20.0	20.0	8.1	8.1	30.8	30.8	105.5	105.4	8.0	8.0	3.8	4.4	4	5	73	73	<0.2	<0.2	1.3	1.3				
					3.8	0.4	1	20.0	20.0	8.1	8.1	30.8	30.8	105.3	105.4	8.0	8.0	4.0	4.4	4	5	73	73	<0.2	<0.2	1.2	1.2					
					6.5	0.4	9	20.0	20.0	8.1	8.1	31.0	31.0	102.3	102.2	7.8	7.8	7.4	4.4	5	5	74	74	<0.2	<0.2	1.1	1.1					
					6.5	0.4	9	20.0	20.0	8.1	8.1	31.0	31.0	102.1	102.2	7.7	7.7	7.4	4.4	6	5	75	75	<0.2	<0.2	1.1	1.1					
IM2	Cloudy	Moderate	11:04	8.7	Surface	1.0	0.3	11	20.1	20.1	8.1	8.1	30.1	30.1	106.5	106.5	8.1	8.1	2.0	3.4	4	4	71	73	818846	806220	<0.2	<0.2	1.2	1.2		
						1.0	0.3	11	20.1	20.1	8.1	8.1	30.1	30.1	106.4	106.5	8.1	8.1	2.0	3.4	5	4	72	73	<0.2	<0.2	1.2	1.2				
						4.4	0.4	29	20.0	20.0	8.1	8.1	30.3	30.3	105.8	105.8	8.0	8.0	3.0	3.4	4	4	73	73	<0.2	<0.2	1.4	1.4				
					4.4	0.4	31	20.0	20.0	8.1	8.1	30.4	30.3	105.8	105.8	8.0	8.0	3.1	3.4	4	4	74	74	<0.2	<0.2	1.4	1.4					
					7.7	0.3	12	20.0	20.0	8.1	8.1	30.8	30.7	102.5	102.4	7.8	7.8	5.2	3.4	4	4	75	75	<0.2	<0.2	1.4	1.4					
					7.7	0.3	12	20.0	20.0	8.1	8.1	30.7	30.7	102.2	102.4	7.8	7.8	5.2	3.4	4	4	75	75	<0.2	<0.2	1.3	1.3					
IM3	Cloudy	Moderate	11:08	8.4	Surface	1.0	0.2	333	20.3	20.3	8.1	8.1	29.1	29.1	105.2	105.3	8.0	8.0	2.3	5.7	4	5	71	73	819427	806038	<0.2	<0.2	1.6	1.6		
						1.0	0.2	351	20.3	20.3	8.1	8.1	29.2	29.1	105.3	105.3	8.0	8.0	2.4	5.7	6	5	71	73	<0.2	<0.2	1.5	1.5				
						4.2	0.3	24	20.0	20.0	8.1	8.1	30.3	30.3	105.5	105.5	8.0	8.0	4.6	5.7	5	5	73	73	<0.2	<0.2	1.7	1.7				
					4.2	0.3	26	20.0	20.0	8.1	8.1	30.4	30.3	105.5	105.5	8.0	8.0	4.9	5.7	6	5	73	73	<0.2	<0.2	1.6	1.6					
					7.4	0.3	9	20.0	20.0	8.1	8.1	31.0	31.0	104.7	104.6	7.9	7.9	10.1	5.7	5	5	75	75	<0.2	<0.2	1.6	1.6					
					7.4	0.3	9	20.0	20.0	8.1	8.1	31.0	31.0	104.5	104.6	7.9	7.9	10.1	5.7	4	5	75	75	<0.2	<0.2	1.4	1.4					
IM4	Cloudy	Moderate	11:15	8.0	Surface	1.0	0.3	343	20.4	20.4	8.0	8.0	28.7	28.7	105.5	105.6	8.0	8.0	2.8	7.0	4	4	71	73	819578	805048	<0.2	<0.2	1.8	1.8		
						1.0	0.3	316	20.3	20.4	8.0	8.0	28.7	28.7	105.6	105.6	8.1	8.0	2.8	7.0	3	4	71	73	<0.2	<0.2	1.8	1.8				
						4.0	0.4	18	20.0	20.0	8.1	8.1	29.7	29.8	105.0	105.0	8.0	8.0	3.1	7.0	4	4	73	73	<0.2	<0.2	1.7	1.7				
					4.0	0.4	18	20.0	20.0	8.1	8.1	29.8	29.8	104.9	105.0	8.0	8.0	3.1	7.0	5	4	74	74	<0.2	<0.2	1.7	1.7					
					7.0	0.4	25	20.0	20.0	8.1	8.1	31.0	31.0	103.2	103.2	7.8	7.8	18.5	7.0	4	4	75	75	<0.2	<0.2	1.6	1.6					
					7.0	0.4	26	20.0	20.0	8.1	8.1	31.0	31.0	102.8	103.0	7.8	7.8	18.5	7.0	5	4	75	75	<0.2	<0.2	1.6	1.6					
IM5	Cloudy	Moderate	11:25	7.3	Surface	1.0	0.5	356	20.2	20.2	8.0	8.0	29.1	29.1	105.8	105.8	8.1	8.1	3.7	7.4	5	6	71	73	820565	804829	<0.2	<0.2	1.8	1.8		
						1.0	0.5	328	20.2	20.2	8.0	8.0	29.2	29.1	105.7	105.8	8.1	8.1	3.9	7.4	5	6	71	73	<0.2	<0.2	1.7	1.7				
						3.7	0.5	5	20.1	20.1	8.1	8.1	30.1	30.1	104.6	104.6	8.0	8.0	6.8	7.4	5	6	73	73	<0.2	<0.2	2.0	2.0				
					3.7	0.5	5	20.1	20.1	8.1	8.1	30.1	30.1	104.5	104.6	8.0	8.0	7.1	7.4	5	6	73	73	<0.2	<0.2	1.7	1.7					
					6.3	0.3	1	20.0	20.0	8.1	8.1	30.5	30.5	101.9	101.9	7.7	7.7	11.4	7.4	8	6	75	75	<0.2	<0.2	1.7	1.7					
					6.3	0.3	1	20.0	20.0	8.1	8.1	30.5	30.5	101.8	101.9	7.7	7.7	11.4	7.4	6	6	75	75	<0.2	<0.2	1.6	1.6					
IM6	Cloudy	Moderate	11:33	7.1	Surface	1.0	0.2	1	20.3	20.3	8.1	8.1	28.9	28.9	103.8	103.8	7.9	7.9	4.4	7.5	6	7	72	74	821071	805850	<0.2	<0.2	1.7	1.7		
						1.0	0.2	1	20.3	20.3	8.1	8.1	28.9	28.9	103.8																	

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 24 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	11:06	7.3	Surface	1.0	0.4	296	20.5	8.1	8.1	28.0	28.0	93.2	93.2	7.1	7.1	4.1	6.6	3	5	73	75	822081	808783	<0.2	2.7	2.5								
						1.0	0.4	314	20.5	8.1	8.1	28.0	28.0	93.1	93.2	7.1	7.1	4.1	6.6	4	5	73	75			<0.2	2.6									
					Middle	3.7	0.3	285	20.3	8.1	8.1	28.2	28.2	92.3	92.3	7.1	7.1	4.7	6.6	5	5	75	75			<0.2	2.4									
						3.7	0.3	311	20.3	8.1	8.1	28.2	28.2	92.3	92.3	7.1	7.1	4.7	6.6	4	5	75	75			<0.2	2.4									
					Bottom	6.3	0.2	300	20.2	8.2	8.2	28.5	28.5	92.0	92.0	7.1	7.1	10.9	7.1	6	5	77	77			<0.2	2.4									
						6.3	0.2	327	20.2	8.2	8.2	28.5	28.5	92.1	92.1	7.1	7.1	10.9	7.1	6	5	77	77			<0.2	2.4									
IM10	Cloudy	Moderate	10:58	7.2	Surface	1.0	0.6	287	20.5	8.1	8.1	28.1	28.0	93.1	93.2	7.1	7.1	3.2	6.2	4	4	73	75	822232	809843	<0.2	2.8	2.5								
						1.0	0.6	287	20.5	8.1	8.1	28.0	28.0	93.2	93.2	7.1	7.1	3.2	6.2	3	4	73	75			<0.2	2.8									
					Middle	3.6	0.5	295	20.1	8.2	8.2	28.9	28.9	91.6	91.6	7.0	7.0	6.3	6.2	4	4	75	75			<0.2	2.8									
						3.6	0.5	315	20.1	8.2	8.2	28.9	28.9	91.6	91.6	7.0	7.0	6.3	6.2	4	4	75	75			<0.2	2.1									
					Bottom	6.2	0.3	291	20.1	8.2	8.2	29.0	29.0	91.5	91.5	7.0	7.0	9.0	7.0	4	4	77	77			<0.2	2.3									
						6.2	0.3	292	20.1	8.2	8.2	29.0	29.0	91.6	91.6	7.0	7.0	9.3	7.0	5	4	77	77			<0.2	2.2									
IM11	Cloudy	Moderate	10:44	7.8	Surface	1.0	0.5	286	20.6	8.1	8.1	27.8	27.8	94.1	94.1	7.2	7.2	2.8	6.2	4	4	73	75	821506	810554	<0.2	2.5	2.1								
						1.0	0.5	297	20.5	8.1	8.1	27.8	27.8	94.1	94.1	7.2	7.2	3.0	6.2	4	4	73	75			<0.2	2.2									
					Middle	3.9	0.3	286	20.1	8.1	8.1	28.6	28.6	92.8	92.8	7.1	7.1	5.5	6.2	5	4	75	75			<0.2	2.1									
						3.9	0.3	307	20.1	8.1	8.1	28.6	28.6	92.8	92.8	7.1	7.1	5.5	6.2	4	4	75	75			<0.2	2.1									
					Bottom	6.8	0.2	289	20.0	8.1	8.1	29.0	29.0	92.2	92.2	7.1	7.1	10.4	7.1	5	4	77	77			<0.2	1.8									
						6.8	0.2	299	20.0	8.1	8.1	29.0	29.0	92.4	92.3	7.1	7.1	10.3	7.1	4	4	77	77			<0.2	2.1									
IM12	Cloudy	Moderate	10:37	8.2	Surface	1.0	0.5	284	20.5	8.1	8.1	28.0	28.0	94.3	94.3	7.2	7.2	2.6	6.3	4	4	73	75	821163	811496	<0.2	3.1	3.2								
						1.0	0.6	310	20.5	8.1	8.1	28.0	28.0	94.3	94.3	7.2	7.2	2.6	6.3	4	4	73	75			<0.2	3.8									
					Middle	4.1	0.6	279	20.0	8.1	8.1	29.3	29.3	91.9	91.9	7.0	7.0	5.4	6.3	4	4	75	75			<0.2	3.5									
						4.1	0.7	281	20.0	8.1	8.1	29.3	29.3	91.8	91.9	7.0	7.0	5.4	6.3	5	4	75	75			<0.2	2.9									
					Bottom	7.2	0.4	279	20.0	8.1	8.1	29.7	29.7	91.8	91.9	7.0	7.0	10.9	7.0	4	4	77	77			<0.2	2.8									
						7.2	0.4	300	20.0	8.1	8.1	29.7	29.7	92.0	91.9	7.0	7.0	10.8	7.0	5	4	77	77			<0.2	3.1									
SR2	Cloudy	Moderate	10:10	4.5	Surface	1.0	0.2	299	20.1	8.1	8.1	29.1	29.1	91.6	91.6	7.0	7.0	3.1	7.0	4	5	73	74	821452	814185	<0.2	3.4	2.5								
						1.0	0.2	319	20.1	8.1	8.1	29.1	29.1	91.5	91.6	7.0	7.0	3.1	7.0	4	5	73	74			<0.2	2.6									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-			
					Bottom	3.5	0.2	311	20.0	8.1	8.1	29.8	29.8	90.2	90.3	6.9	6.9	3.8	6.9	6	5	75	75			<0.2	1.9									
						3.5	0.2	317	20.0	8.1	8.1	29.8	29.8	90.4	90.3	6.9	6.9	3.8	6.9	4	5	75	75			<0.2	2.1									
SR3	Cloudy	Moderate	11:19	9.2	Surface	1.0	0.4	304	20.6	8.0	8.0	27.1	27.1	93.9	93.9	7.2	7.2	2.9	7.2	4	5	-	-	822160	807541	-	-	-								
						1.0	0.4	305	20.6	8.0	8.0	27.1	27.1	93.9	93.9	7.2	7.2	2.9	7.2	4	5	-	-													
					Middle	4.6	0.2	332	20.2	8.1	8.1	28.0	28.1	92.1	92.1	7.1	7.1	3.5	7.2	4	5	-	-			-	-									
						4.6	0.2	338	20.2	8.1	8.1	28.1	28.1	92.1	92.1	7.1	7.1	3.5	7.2	5	5	-	-			-	-									
					Bottom	8.2	0.2	20	20.0	8.1	8.1	29.5	29.5	95.9	94.0	7.2	7.2	7.1	7.2	7	6	-	-			-	-									
						8.2	0.3	20	20.0	8.1	8.1	29.5	29.5	94.0	94.0	7.2	7.2	7.2	7.2	6	6	-	-			-	-									
SR4A	Sunny	Calm	10:21	9.2	Surface	1.0	0.4	240	19.9	8.1	8.1	30.7	30.7	102.8	102.8	7.8	7.8	3.5	6.4	5	5	-	-	817205	807790	-	-	-								
						1.0	0.4	258	19.9	8.1	8.1	30.7	30.7	102.7	102.7	7.8	7.8	3.6	6.4	6	5	-	-													
					Middle	4.6	0.4	252	19.8	8.1	8.1	30.8	30.8	101.5	101.5	7.7	7.7	4.7	7.7	5	5	-	-			-	-									
						4.6	0.4	254	19.8	8.1	8.1	30.8	30.8	101.5	101.5	7.7	7.7	5.0	7.7	5	5	-	-			-	-									
					Bottom	8.2	0.3	251	19.8	8.1	8.1	30.8	30.8	101.2	101.2	7.7	7.7	10.8	7.7	6	5	-	-			-	-									
						8.2	0.4	274	19.8	8.1	8.1	30.8	30.8	101.2	101.2	7.7	7.7	11.0	7.7	5	5	-	-			-	-									
SR5A	Sunny	Calm	10:05	4.1	Surface	1.0	0.2	304	20.1	8.0	8.0	30.2	30.2	96.5	96.5	7.3	7.3	3.8	3.9	5	6	-	-	816616	810672	-	-	-								
						1.0	0.2	332	20.1	8.0	8.0	30.2	30.2	96.4	96.4	7.3	7.3	3.8	3.9	6	6	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-				
					Bottom	3.1	0.2	305	20.1	8.0	8.0	30.2	30.2	96.1	96.1	7.3	7.3	4.0	7.3	5	6	-	-			-	-									
						3.1	0.2	305	20.1	8.0	8.0	30.2	30.2	96.1	96.1	7.3	7.3	4.1	7.3	6	6	-	-			-	-									
SR6	Sunny	Calm	09:40	4.2	Surface	1.0	0.1	259	19.9	8.0	8.0	29.6	29.6	94.2	94.2	7.2	7.2	8.4	10.1	16	18	-	-	817891	814676	-	-	-								
						1.0	0.1	267	19.9	8.0	8.0	29.6	29.6	94.2	94.2	7.2	7.2	8.7	10.1	15	18	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-				
					Bottom	3.2	0.1	254	19.9	8.0	8.0	29.6	29.6	94.7	94.7	7.3	7.3	11.7	7.3	21	18	-	-			-	-									
						3.2	0.1	270	19.9	8.0	8.0	29.6	29.6	94.8	94.8	7.3	7.3	11.8	7.3	21	18	-	-			-	-									
SR7	Cloudy	Moderate	09:15	19.0	Surface	1.0	0.1	210	19.7	8.1	8.1	30.4	30.4	90.5	90.5	6.9	6.8	1.4	1.5	4	3	-	-	823639	823748	-	-	-								
						1.0	0.1	218	19.7	8.1	8.1	30.4	30.4	90.4	90.5	6.9	6.9	1.4	1.5	3	3	-	-													
					Middle	9.5	0.2	221	19.6	8.1	8.1	30.9	30.9	88.2	88.2	6.7	6.7	1.5	6.8	3	3	-	-			-	-									
						9.5	0.2	236	19.6	8.1	8																									

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 27 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Calm	10:32	8.5	Surface	1.0	0.2	259	21.3	21.3	8.0	8.0	27.3	27.3	106.6	106.6	8.1	8.0	1.6	1.8	4	4	72	72	815646	804227	<0.2	<0.2	1.8	1.5		
						1.0	0.2	267	21.3	8.0	8.0	27.3	27.3	106.6	106.6	8.1	8.0	1.6	1.8	3	3	72	72			<0.2	<0.2	2.0	2.0			
						4.3	0.1	270	20.8	8.0	8.0	29.4	29.4	103.9	103.9	7.8	7.8	1.0	1.0	4	4	73	73			<0.2	<0.2	1.6	1.6			
					Middle	4.3	0.1	273	20.8	8.0	8.0	29.4	29.4	103.8	103.8	7.8	7.8	1.0	1.0	3	3	73	73			<0.2	<0.2	1.8	1.8			
						7.5	0.1	277	20.5	8.0	8.0	30.9	30.9	100.1	100.1	7.5	7.5	2.8	2.8	6	6	75	75			<0.2	<0.2	0.6	0.6			
						7.5	0.1	289	20.5	8.0	8.0	30.9	30.9	99.7	99.9	7.5	7.5	3.0	3.0	4	4	75	75			<0.2	<0.2	0.9	0.9			
C2	Fine	Moderate	11:46	10.9	Surface	1.0	0.3	174	21.8	21.8	8.1	8.1	24.4	24.4	102.0	101.8	7.8	7.8	3.3	3.3	4	4	73	73	825690	806949	<0.2	<0.2	3.5	3.3		
						1.0	0.3	175	21.8	8.1	8.1	24.4	24.4	101.5	101.8	7.7	7.7	3.2	3.2	3	3	73	73			<0.2	<0.2	3.6	3.6			
						5.5	0.2	159	20.9	8.1	8.1	28.0	28.0	91.0	91.0	6.9	6.9	2.8	2.8	3	3	75	75			<0.2	<0.2	3.4	3.4			
					Middle	5.5	0.2	171	20.9	8.1	8.1	28.0	28.0	90.9	91.0	6.9	6.9	2.8	2.8	4	4	75	75			<0.2	<0.2	2.9	2.9			
						9.9	0.2	159	20.4	8.0	8.0	29.5	29.5	85.7	85.7	6.5	6.5	8.6	8.6	6	6	77	77			<0.2	<0.2	3.1	3.1			
						9.9	0.2	171	20.4	8.0	8.0	29.5	29.5	85.8	85.8	6.5	6.5	8.4	8.4	6	6	77	77			<0.2	<0.2	3.2	3.2			
C3	Fine	Moderate	09:18	11.9	Surface	1.0	0.3	74	20.5	20.6	8.1	8.1	29.5	29.5	91.7	91.6	6.9	6.9	0.8	0.8	2	2	73	73	822109	817798	<0.2	<0.2	1.5	1.5		
						1.0	0.3	75	20.6	8.1	8.1	29.5	29.5	91.5	91.6	6.9	6.9	0.8	0.8	3	3	73	73			<0.2	<0.2	1.5	1.5			
						6.0	0.2	89	20.2	8.1	8.1	30.6	30.6	86.9	87.0	6.6	6.6	1.3	1.3	3	3	75	75			<0.2	<0.2	1.8	1.8			
					Middle	6.0	0.2	94	20.2	8.1	8.1	30.6	30.6	87.0	87.0	6.6	6.6	1.3	1.3	2	2	74	74			<0.2	<0.2	1.6	1.6			
						10.9	0.2	69	20.2	8.1	8.1	30.7	30.7	87.2	87.3	6.6	6.6	2.4	2.4	2	2	76	76			<0.2	<0.2	1.2	1.2			
						10.9	0.2	75	20.2	8.1	8.1	30.7	30.7	87.3	87.3	6.6	6.6	2.4	2.4	3	3	76	76			<0.2	<0.2	1.2	1.2			
IM1	Cloudy	Moderate	10:52	7.1	Surface	1.0	0.0	329	21.4	21.4	8.0	8.0	27.5	27.5	105.5	105.4	7.9	7.9	1.7	1.7	5	5	72	72	818370	806432	<0.2	<0.2	2.2	1.8		
						1.0	0.0	352	21.4	8.0	8.0	27.5	27.5	105.3	105.4	7.9	7.9	1.7	1.7	3	3	72	72			<0.2	<0.2	2.2	2.2			
						3.6	0.0	21	21.1	8.0	8.0	28.8	28.8	102.2	102.2	7.7	7.7	2.9	2.9	3	3	73	73			<0.2	<0.2	1.7	1.7			
					Middle	3.6	0.0	22	21.1	8.0	8.0	28.8	28.8	102.2	102.2	7.7	7.7	3.0	3.0	3	3	73	73			<0.2	<0.2	1.6	1.6			
						6.1	0.1	69	20.9	8.1	8.1	29.6	29.6	101.3	101.3	7.6	7.6	6.8	6.8	5	5	75	75			<0.2	<0.2	1.5	1.5			
						6.1	0.1	75	20.9	8.1	8.1	29.6	29.6	101.3	101.3	7.6	7.6	7.1	7.1	4	4	75	75			<0.2	<0.2	1.5	1.5			
IM2	Cloudy	Moderate	10:58	8.1	Surface	1.0	0.1	331	21.5	21.5	8.1	8.1	27.4	27.4	106.4	106.4	8.0	8.0	1.6	1.6	6	6	72	72	818839	806207	<0.2	<0.2	1.8	1.5		
						1.0	0.1	305	21.5	8.1	8.1	27.5	27.4	106.3	106.4	8.0	8.0	1.5	1.5	5	5	72	72			<0.2	<0.2	1.8	1.8			
						4.1	0.0	333	20.9	8.1	8.1	29.5	29.5	103.0	103.0	7.8	7.8	2.3	2.3	5	5	73	74			<0.2	<0.2	1.7	1.7			
					Middle	4.1	0.0	337	20.9	8.1	8.1	29.5	29.5	102.9	103.0	7.7	7.7	2.3	2.3	3	3	73	73			<0.2	<0.2	1.7	1.7			
						7.1	0.1	97	20.8	8.0	8.0	29.6	29.6	101.3	101.3	7.6	7.6	6.2	6.2	7	7	75	75			<0.2	<0.2	1.0	1.0			
						7.1	0.1	97	20.8	8.0	8.0	29.6	29.6	101.2	101.3	7.6	7.6	6.0	6.0	6	6	76	76			<0.2	<0.2	1.0	1.0			
IM3	Cloudy	Moderate	11:03	8.2	Surface	1.0	0.0	12	21.4	21.4	8.0	8.0	27.5	27.5	106.8	106.6	8.0	8.0	5.5	5.5	4	4	71	71	819382	805989	<0.2	<0.2	2.3	1.7		
						1.0	0.0	12	21.4	8.0	8.0	27.6	27.5	106.3	106.6	7.9	7.9	5.8	5.8	5	5	72	72			<0.2	<0.2	2.2	2.2			
						4.1	0.0	352	21.2	8.0	8.0	28.8	28.8	102.6	102.6	7.7	7.7	6.1	6.1	5	5	73	74			<0.2	<0.2	1.6	1.6			
					Middle	4.1	0.0	355	21.2	8.0	8.0	28.8	28.8	102.6	102.6	7.7	7.7	6.6	6.6	4	4	74	74			<0.2	<0.2	1.6	1.6			
						7.2	0.1	13	20.9	8.0	8.0	29.5	29.5	101.1	101.1	7.6	7.6	16.0	16.0	4	4	75	75			<0.2	<0.2	1.2	1.2			
						7.2	0.1	13	20.9	8.0	8.0	29.5	29.5	101.0	101.0	7.6	7.6	17.9	17.9	6	6	76	76			<0.2	<0.2	1.1	1.1			
IM4	Cloudy	Moderate	11:11	7.6	Surface	1.0	0.2	204	21.2	21.2	8.0	8.0	28.8	28.8	104.6	104.5	7.9	7.9	1.9	1.9	3	3	72	72	819541	805028	<0.2	<0.2	2.2	1.6		
						1.0	0.2	218	21.2	8.0	8.0	28.8	28.8	104.4	104.4	7.8	7.8	1.9	1.9	5	5	72	72			<0.2	<0.2	2.3	2.3			
						3.8	0.1	208	21.1	8.0	8.0	29.3	29.3	102.0	102.0	7.7	7.7	4.9	4.9	5	5	73	74			<0.2	<0.2	1.4	1.4			
					Middle	3.8	0.1	217	21.1	8.0	8.0	29.3	29.3	101.9	101.9	7.6	7.6	4.9	4.9	4	4	74	74			<0.2	<0.2	1.3	1.3			
						6.6	0.2	158	21.0	8.0	8.0	29.7	29.7	101.2	101.2	7.6	7.6	6.0	6.0	6	6	76	76			<0.2	<0.2	1.1	1.1			
						6.6	0.2	161	21.0	8.0	8.0	29.7	29.7	101.1	101.1	7.6	7.6	6.2	6.2	7	7	76	76			<0.2	<0.2	1.1	1.1			
IM5	Cloudy	Moderate	11:21	6.8	Surface	1.0	0.1	201	21.6	21.6	8.1	8.1	27.3	27.4	110.4	110.2	8.3	8.3	2.2	2.2	5	5	72	72	820583	804918	<0.2	<0.2	2.2	1.9		
						1.0	0.1	213	21.5	8.1	8.1	27.4	27.4	109.9	109.9	8.3	8.3	2.2	2.2	6	6	73	73			<0.2	<0.2	2.3	2.3			
						3.4	0.1	192	21.4	8.0	8.0	28.1	28.1	106.7	106.7	8.0	8.0	3.2	3.2	6	6	74	74			<0.2	<0.2	1.8	1.8			
					Middle	3.4	0.1	204	21.4	8.0	8.0	28.0	28.0	106.7	106.7	8.0	8.0	3.3	3.3	5	5	73	73			<0.2	<0.2	1.8	1.8			
						5.8	0.1	176	21.1	8.0	8.0	28.9	28.9	99.3	99.3	7.5	7.5	8.2	8.2	4	4	75	75			<0.2	<0.2	1.6	1.6			
						5.8	0.1	176	21.1	8.0	8.0	28.9	28.9	99.4	99.4	7.5	7.5	8.4	8.4	5	5	75	75			<0.2	<0.2	1.6	1.6			
IM6	Cloudy	Moderate	11:28	6.5	Surface	1.0	0.2	135	21.5	21.5	8.1	8.1	27.4	27.3	110.8	110.6	8.3	8.3	1.9	1.9	4	4	7									



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 27 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	11:07	6.8	Surface	1.0	0.3	110	21.3	8.1	8.1	25.5	25.5	101.7	102.0	7.8	7.8	2.9	7.8	5	73	75	822071	808800	<0.2	<0.2	3.5	3.1							
						1.0	0.4	117	21.3	8.1	8.1	25.5	25.5	102.3	102.0	7.8	7.8	2.9	7.8	4	73	75	<0.2	<0.2	3.2	3.1									
					Middle	3.4	0.3	106	21.0	21.0	8.2	8.2	26.8	26.8	102.6	102.5	7.8	7.8	2.8	7.8	5	75	75	<0.2	<0.2	2.9	2.9								
						3.4	0.3	111	21.0	21.0	8.2	8.2	26.8	26.8	102.4	102.5	7.8	7.8	2.9	7.8	5	75	75	<0.2	<0.2	2.9	2.9								
					Bottom	5.8	0.3	80	20.9	20.9	8.1	8.1	28.6	28.6	100.5	100.5	7.6	7.6	5.6	7.6	6	76	76	<0.2	<0.2	3.8	3.8								
						5.8	0.3	80	20.9	20.9	8.1	8.1	28.6	28.6	100.4	100.5	7.6	7.6	5.6	7.6	7	77	77	<0.2	<0.2	3.0	3.0								
IM10	Fine	Moderate	10:58	7.2	Surface	1.0	0.4	96	21.3	8.1	8.1	25.6	25.7	103.2	103.1	7.9	7.9	2.6	7.9	6	73	75	822231	809812	<0.2	<0.2	3.9	3.8							
						1.0	0.5	104	21.3	8.1	8.1	25.7	25.7	103.0	103.1	7.9	7.9	2.6	7.9	6	73	75	<0.2	<0.2	3.6	3.9									
					Middle	3.6	0.5	85	20.9	20.9	8.2	8.2	27.9	27.9	99.3	99.2	7.5	7.5	3.3	7.5	4	75	75	<0.2	<0.2	3.9	3.8								
						3.6	0.5	87	20.9	20.9	8.2	8.2	27.9	27.9	99.1	99.2	7.5	7.5	3.2	7.5	4	75	75	<0.2	<0.2	3.6	3.8								
					Bottom	6.2	0.2	88	20.9	20.9	8.2	8.2	28.4	28.4	96.1	96.1	7.3	7.3	7.8	7.8	4	77	77	<0.2	<0.2	3.8	3.8								
						6.2	0.2	88	20.9	20.9	8.2	8.2	28.4	28.4	96.1	96.1	7.3	7.3	8.1	7.3	6	77	77	<0.2	<0.2	3.8	3.8								
IM11	Fine	Moderate	10:43	8.8	Surface	1.0	0.4	101	21.6	21.6	8.2	8.1	25.9	25.9	97.9	97.8	7.4	7.4	4.4	7.4	5	73	75	821500	810536	<0.2	<0.2	3.1	3.0						
						1.0	0.4	102	21.6	21.6	8.1	8.1	25.9	25.9	97.6	97.8	7.4	7.4	4.4	7.4	6	73	75	<0.2	<0.2	2.7	3.0								
					Middle	4.4	0.3	92	21.1	21.1	8.1	8.1	27.8	27.8	94.1	94.1	7.1	7.1	4.2	7.1	7	75	75	<0.2	<0.2	3.0	3.0								
						4.4	0.3	97	21.1	21.1	8.1	8.1	27.8	27.8	94.1	94.1	7.1	7.1	4.3	7.1	7	75	75	<0.2	<0.2	2.9	3.1								
					Bottom	7.8	0.1	75	20.9	20.9	8.1	8.1	28.8	28.8	90.6	90.7	6.8	6.8	4.7	6.8	6	77	77	<0.2	<0.2	3.1	3.1								
						7.8	0.1	81	20.9	20.9	8.1	8.1	28.8	28.8	90.7	90.7	6.8	6.8	4.6	6.8	7	77	77	<0.2	<0.2	3.0	3.0								
IM12	Fine	Moderate	10:32	8.8	Surface	1.0	0.4	82	21.3	21.3	8.2	8.2	26.3	26.3	97.6	97.5	7.4	7.4	6.3	7.4	5	73	75	821136	811493	<0.2	<0.2	2.4	2.5						
						1.0	0.5	87	21.3	21.3	8.2	8.2	26.4	26.3	97.4	97.5	7.4	7.4	6.3	7.4	5	73	75	<0.2	<0.2	2.4	2.4								
					Middle	4.4	0.2	95	21.1	21.1	8.1	8.1	28.0	28.0	93.0	92.9	7.0	7.0	4.1	7.0	4	75	75	<0.2	<0.2	2.3	2.7								
						4.4	0.2	96	21.1	21.1	8.1	8.1	28.0	28.0	92.8	92.9	7.0	7.0	4.0	7.0	3	75	75	<0.2	<0.2	2.7	2.7								
					Bottom	7.8	0.1	134	20.8	20.8	8.1	8.1	29.1	29.1	86.9	87.1	6.6	6.6	4.0	6.6	8	77	77	<0.2	<0.2	2.7	2.6								
						7.8	0.1	137	20.8	20.8	8.1	8.1	29.1	29.1	87.3	87.1	6.6	6.6	4.0	6.6	9	77	77	<0.2	<0.2	2.6	2.6								
SR2	Fine	Moderate	09:46	4.7	Surface	1.0	0.2	46	21.3	21.3	8.1	8.1	26.4	26.4	97.0	96.9	7.4	7.4	2.4	7.4	4	73	74	821480	814151	<0.2	<0.2	2.7	2.7						
						1.0	0.2	48	21.3	21.3	8.1	8.1	26.4	26.4	96.8	96.9	7.4	7.4	2.5	7.4	4	73	74	<0.2	<0.2	2.8	2.8								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.7	0.2	38	20.9	20.9	8.1	8.1	28.9	28.9	91.7	91.9	6.9	6.9	3.1	6.9	4	75	75	<0.2	<0.2	2.7	2.7								
						3.7	0.2	38	20.9	20.9	8.1	8.1	28.9	28.9	92.0	91.9	6.9	6.9	3.1	6.9	4	75	75	<0.2	<0.2	2.7	2.7								
SR3	Fine	Moderate	11:23	8.7	Surface	1.0	0.1	163	21.5	21.5	8.1	8.1	25.1	25.1	98.3	98.2	7.5	7.5	3.3	7.5	4	-	-	822144	807564	-	-	-	-						
						1.0	0.1	177	21.5	21.5	8.1	8.1	25.1	25.1	98.1	98.2	7.5	7.5	3.3	7.5	5	-	-	-	-	-	-	-	-						
					Middle	4.4	0.1	107	20.9	20.9	8.1	8.1	27.5	27.5	95.9	96.2	7.3	7.3	4.6	7.3	5	-	-	-	-	-	-	-	-	-					
						4.4	0.1	117	20.9	20.9	8.1	8.1	27.5	27.5	96.4	96.2	7.3	7.3	4.6	7.3	5	-	-	-	-	-	-	-	-						
					Bottom	7.7	0.2	68	20.8	20.8	8.1	8.1	28.5	28.5	98.5	98.5	7.5	7.5	5.8	7.5	6	-	-	-	-	-	-	-	-	-					
						7.7	0.2	72	20.8	20.8	8.1	8.1	28.5	28.5	98.4	98.4	7.5	7.5	5.9	7.5	7	-	-	-	-	-	-	-	-						
SR4A	Fine	Calm	10:11	8.2	Surface	1.0	0.3	74	21.4	21.4	8.0	8.0	27.3	27.3	101.2	101.2	7.6	7.6	2.1	7.6	4	-	-	817187	807781	-	-	-	-						
						1.0	0.3	76	21.4	21.4	8.0	8.0	27.3	27.3	101.1	101.1	7.6	7.6	2.1	7.6	5	-	-	-	-	-	-								
					Middle	4.1	0.2	65	21.3	21.3	8.0	8.0	28.4	28.4	95.8	95.7	7.2	7.2	4.1	7.2	6	-	-	-	-	-	-	-							
						4.1	0.2	69	21.3	21.3	8.0	8.0	28.4	28.4	95.6	95.6	7.2	7.2	4.1	7.2	7	-	-	-	-	-	-								
					Bottom	7.2	0.2	83	21.2	21.2	7.9	7.9	29.3	29.3	90.4	90.5	6.8	6.8	5.1	6.8	7	-	-	-	-	-	-	-							
						7.2	0.2	84	21.2	21.2	7.9	7.9	29.3	29.3	90.6	90.5	6.8	6.8	5.0	6.8	8	-	-	-	-	-	-								
SR5A	Fine	Calm	09:54	4.4	Surface	1.0	0.0	1	21.3	21.3	7.9	7.9	29.3	29.3	87.3	87.2	6.5	6.5	3.1	6.5	5	-	-	816605	810709	-	-	-	-						
						1.0	0.0	1	21.3	21.3	7.9	7.9	29.3	29.3	87.1	87.1	6.5	6.5	3.5	6.5	3	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.4	0.0	34	21.3	21.3	7.9	7.9	29.4	29.4	87.0	87.2	6.5	6.5	6.2	6.5	8	-	-	-	-	-	-	-							
						3.4	0.0	34	21.3	21.3	7.9	7.9	29.4	29.4	87.3	87.2	6.5	6.5	6.1	6.5	6	-	-	-	-	-	-								
SR6	Fine	Calm	09:30	4.1	Surface	1.0	0.1	100	21.5	21.5	7.9	7.9	28.2	28.2	91.1	91.1	6.8	6.8	2.5	6.8	4	-	-	817878	814670	-	-	-	-						
						1.0	0.1	103	21.5	21.5	7.9	7.9	28.2	28.2	91.0	91.1	6.8	6.8	2.4	6.8	5	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.1	0.1	101	21.4	21.4	7.9	7.9	29.4	29.4	86.8	87.0	6.5	6.5	11.4	6.5	4	-	-	-	-	-	-								
						3.1	0.1	107	21.4	21.4	7.9	7.9	29.4	29.4																					

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 27 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	14:41	8.3	Surface	1.0	0.3	49	22.3	8.1	8.1	27.3	27.3	110.5	110.4	8.2	8.1	1.3	2.2	5	5	73	75	815636	804244	<0.2	<0.2	1.6	1.3							
						1.0	0.3	51	22.3	8.1	8.1	27.3	27.3	110.3	110.4	8.2	8.1	1.3	2.2	4	5	73	75	<0.2	<0.2	1.7	1.3									
						4.2	0.2	32	20.7	8.1	8.1	30.2	30.2	105.2	105.2	7.9	7.9	1.2	1.7	5	5	75	76	<0.2	<0.2	1.5	1.3									
					Middle	4.2	0.2	32	20.7	8.1	8.1	30.2	30.2	105.1	105.2	7.9	7.9	1.4	1.7	4	5	76	76	<0.2	<0.2	1.6	1.3									
						7.3	0.2	48	20.4	8.1	8.1	31.0	31.0	99.7	99.8	7.5	7.5	4.0	4.0	5	5	77	77	<0.2	<0.2	0.5	1.3									
						7.3	0.2	48	20.4	8.1	8.1	31.0	31.0	99.9	99.8	7.5	7.5	3.9	4.0	4	4	77	77	<0.2	<0.2	0.6	1.3									
C2	Fine	Moderate	13:38	11.6	Surface	1.0	0.3	187	22.6	8.0	8.0	25.0	25.0	101.4	101.3	7.6	7.3	2.7	3.7	6	6	73	75	825664	806937	<0.2	<0.2	3.8	3.8							
						1.0	0.3	195	22.6	8.0	8.0	25.0	25.0	101.2	101.3	7.6	7.3	2.8	3.7	4	6	73	75	<0.2	<0.2	4.2	3.8									
						5.8	0.1	272	20.8	8.0	8.0	27.9	27.9	90.7	90.6	6.9	6.9	3.3	3.3	6	6	75	75	<0.2	<0.2	3.7	3.8									
					Middle	5.8	0.1	286	20.8	8.0	8.0	27.9	27.9	90.5	90.5	6.9	6.9	3.3	3.3	6	6	75	75	<0.2	<0.2	3.7	3.8									
						10.6	0.0	20	20.4	8.0	8.0	29.8	29.8	86.8	87.0	6.6	6.6	5.1	6.6	6	6	77	77	<0.2	<0.2	3.7	3.8									
						10.6	0.0	20	20.4	8.0	8.0	29.8	29.8	87.2	87.0	6.6	6.6	5.0	6.6	5	6	77	77	<0.2	<0.2	3.7	3.8									
C3	Fine	Moderate	15:43	12.2	Surface	1.0	0.1	289	21.4	8.1	8.1	28.1	28.1	100.7	100.7	7.6	7.1	1.3	1.7	9	8	73	75	822131	817785	<0.2	<0.2	2.1	2.3							
						1.0	0.1	296	21.4	8.1	8.1	28.1	28.1	100.6	100.7	7.6	7.1	1.3	1.7	7	8	73	75	<0.2	<0.2	2.1	2.3									
						6.1	0.4	269	20.2	8.0	8.0	30.6	30.6	86.3	86.3	6.5	6.5	1.2	1.7	7	8	75	75	<0.2	<0.2	2.0	2.3									
					Middle	6.1	0.4	283	20.2	8.0	8.0	30.6	30.6	86.2	86.3	6.5	6.5	1.3	1.7	7	8	75	75	<0.2	<0.2	2.6	2.3									
						11.2	0.3	276	20.1	8.0	8.0	31.0	31.0	85.7	85.8	6.5	6.5	2.7	6.5	7	8	77	77	<0.2	<0.2	2.4	2.3									
						11.2	0.4	296	20.1	8.1	8.0	31.0	31.0	85.8	85.8	6.5	6.5	2.7	6.5	8	8	77	77	<0.2	<0.2	2.6	2.3									
IM1	Cloudy	Moderate	14:21	7.2	Surface	1.0	0.2	75	22.7	8.1	8.1	27.1	27.1	112.6	112.6	8.3	8.3	1.2	2.0	4	4	72	73	818359	806475	<0.2	<0.2	2.1	1.9							
						1.0	0.3	79	22.7	8.1	8.1	27.1	27.1	112.6	112.6	8.3	8.3	1.2	2.0	4	4	72	73	<0.2	<0.2	1.9	1.9									
						3.6	0.2	91	21.6	8.1	8.1	27.8	27.8	110.1	110.1	8.3	8.3	1.1	2.0	4	4	73	73	<0.2	<0.2	2.0	1.9									
					Middle	3.6	0.2	99	21.6	8.1	8.1	27.8	27.8	110.0	110.1	8.2	8.2	1.1	2.0	5	4	73	73	<0.2	<0.2	2.1	1.9									
						6.2	0.2	76	20.6	8.1	8.1	30.2	30.2	102.7	102.8	7.7	7.7	3.8	7.7	4	4	75	75	<0.2	<0.2	1.5	1.9									
						6.2	0.2	83	20.6	8.1	8.1	30.2	30.2	102.8	102.8	7.7	7.7	3.7	7.7	5	4	76	76	<0.2	<0.2	1.5	1.9									
IM2	Cloudy	Moderate	14:16	8.5	Surface	1.0	0.0	10	22.5	8.1	8.1	26.9	26.9	121.4	121.2	9.0	8.6	1.9	4.3	4	4	73	75	818879	806165	<0.2	<0.2	2.1	1.8							
						1.0	0.0	10	22.5	8.1	8.1	26.9	26.9	121.0	121.2	9.0	8.6	1.9	4.3	5	4	73	75	<0.2	<0.2	2.0	1.8									
						4.3	0.1	11	21.5	8.1	8.1	28.2	28.2	108.0	108.0	8.1	8.1	1.1	4.3	3	4	75	75	<0.2	<0.2	1.7	1.8									
					Middle	4.3	0.1	11	21.5	8.1	8.1	28.2	28.2	107.9	108.0	8.1	8.1	1.1	4.3	3	4	75	75	<0.2	<0.2	1.7	1.8									
						7.5	0.1	16	20.6	8.1	8.1	30.3	30.3	101.0	101.1	7.6	7.6	9.9	7.6	4	4	76	76	<0.2	<0.2	1.5	1.8									
						7.5	0.1	16	20.6	8.1	8.1	30.3	30.3	101.1	101.1	7.6	7.6	9.9	7.6	3	4	77	77	<0.2	<0.2	1.7	1.8									
IM3	Cloudy	Moderate	14:10	8.3	Surface	1.0	0.0	330	22.3	8.1	8.1	27.0	27.0	124.0	123.9	9.2	8.6	2.1	1.8	4	5	73	75	819383	806015	<0.2	<0.2	2.1	1.8							
						1.0	0.0	352	22.3	8.1	8.1	27.0	27.0	123.8	123.9	9.2	8.6	2.0	1.8	5	5	73	75	<0.2	<0.2	1.7	1.8									
						4.2	0.1	348	21.2	8.1	8.1	28.7	28.7	104.8	104.8	7.9	7.9	1.5	1.8	5	5	74	74	<0.2	<0.2	2.1	1.8									
					Middle	4.2	0.1	320	21.2	8.1	8.1	28.7	28.7	104.8	104.8	7.9	7.9	1.5	1.8	4	5	74	74	<0.2	<0.2	1.7	1.8									
						7.3	0.1	344	21.2	8.1	8.1	28.8	28.8	103.0	103.1	7.7	7.7	1.9	7.7	5	5	75	75	<0.2	<0.2	1.7	1.8									
						7.3	0.1	316	21.2	8.1	8.1	28.8	28.8	103.1	103.1	7.7	7.7	1.8	7.7	4	5	75	75	<0.2	<0.2	1.6	1.8									
IM4	Cloudy	Moderate	14:02	7.5	Surface	1.0	0.1	354	22.8	8.1	8.1	26.5	26.5	116.9	116.6	8.6	8.2	2.4	4.5	5	6	73	75	819568	805039	<0.2	<0.2	2.2	1.9							
						1.0	0.1	326	22.8	8.1	8.1	26.5	26.5	116.3	116.6	8.6	8.2	2.3	4.5	5	6	74	75	<0.2	<0.2	2.4	1.9									
						3.8	0.0	351	21.1	8.1	8.1	28.8	28.8	102.2	102.2	7.7	7.7	4.3	7.7	6	6	75	75	<0.2	<0.2	1.9	1.9									
					Middle	3.8	0.0	323	21.1	8.1	8.1	28.8	28.8	102.1	102.2	7.7	7.7	4.3	7.7	7	6	76	76	<0.2	<0.2	1.9	1.9									
						6.5	0.1	47	20.6	8.1	8.0	30.2	30.2	100.0	100.1	7.5	7.5	6.8	7.5	6	6	76	76	<0.2	<0.2	1.4	1.9									
						6.5	0.1	48	20.6	8.0	8.0	30.2	30.2	100.1	100.1	7.5	7.5	6.7	7.5	8	6	77	77	<0.2	<0.2	1.4	1.9									
IM5	Cloudy	Moderate	13:53	6.5	Surface	1.0	0.1	260	22.8	8.1	8.1	26.1	26.1	117.7	117.5	7.7	8.3	2.7	4.3	4	6	73	75	820572	804946	<0.2	<0.2	2.3	2.1							
						1.0	0.1	273	22.9	8.1	8.1	26.1	26.1	117.3	117.5	8.7	8.3	2.8	4.3	5	6	73	75	<0.2	<0.2	2.4	2.1									
						3.3	0.1	269	21.5	8.0	8.0	28.0	28.0	105.2	105.1	7.9	7.9	5.0	7.9	4	6	75	75	<0.2	<0.2	2.3	2.1									
					Middle	3.3	0.1	284	21.5	8.0	8.0	28.0	28.0	104.9	105.1	7.9	7.9	4.6	7.9	6	6	75	75	<0.2	<0.2	2.2	2.1									
						5.5	0.1	274	21.1	8.0	8.0	28.9	28.9	101.6	101.6	7.6	7.6	5.4	7.6	8	6	76	76	<0.2	<0.2	1.8	2.1									
						5.5	0.1	300	21.1	8.0	8.0	28.9	28.9	102.0	101.8	7.7	7.7	5.3	7.7	8	6	77	77	<0.2	<0.2	1.8	2.1									
IM6	Cloudy	Moderate	13:46	6.7	Surface	1.0	0.1	231	22.0	8.1	8.1	26.7	26.7	118.7	118.6	8.9	8.5	2.6	2.5	6	8	71	73	821079	805829	<0.2	<0.2	3.2	2.3							
						1.0	0.1	249	22.0	8.1	8.1	26.7	26.7	118.4	118.6	8.9	8.5	2.5	2.5	5	8	72	73	<0.2	<0.2	3.1	2.3									
						3.4	0.0	193	21.2	8.0	8.0	28.0	28.0	107.0	106.9	8.1	8.1	2.5	2.5	9	8	73	73													

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 27 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	14:11	6.8	Surface	1.0	0.1	249	22.4	8.2	8.2	24.9	24.9	120.7	9.1	3.1	6	74	6	74	6	74	822103	808822	<0.2	<0.2	3.1	3.2				
						1.0	0.2	273	22.4	8.2	8.2	24.9	24.9	120.6	9.1	3.1	6	73	6	75	6	75	6	75	<0.2	<0.2	3.4	3.2				
					Middle	3.4	0.1	267	21.5	8.1	8.1	25.9	25.9	113.4	8.6	2.4	6	76	7	76	6	76	6	76	<0.2	<0.2	3.3	3.2				
						3.4	0.1	288	21.5	8.1	8.1	25.9	25.9	113.3	8.6	2.4	7	76	6	76	6	76	6	76	<0.2	<0.2	3.3	3.2				
					Bottom	5.8	0.1	296	21.0	8.1	8.1	27.7	27.7	102.1	7.7	3.3	6	77	6	77	6	77	6	77	<0.2	<0.2	3.5	3.2				
						5.8	0.1	300	21.0	8.1	8.1	27.7	27.7	102.2	7.8	3.4	6	78	6	78	6	78	6	78	<0.2	<0.2	3.2	3.2				
IM10	Fine	Moderate	14:19	7.1	Surface	1.0	0.2	316	22.2	8.1	8.1	25.3	25.4	112.7	8.5	2.4	7	73	7	73	7	73	822223	809820	<0.2	<0.2	3.2	3.3				
						1.0	0.2	345	22.1	8.1	8.1	25.4	25.4	112.9	8.5	2.4	9	73	8	75	8	75	8	75	<0.2	<0.2	3.1	3.3				
					Middle	3.6	0.2	312	21.2	8.1	8.1	26.5	26.5	108.8	8.3	2.4	8	76	8	76	8	76	8	76	<0.2	<0.2	3.4	3.3				
						3.6	0.2	312	21.2	8.1	8.1	26.5	26.5	108.7	8.3	2.4	11	77	11	77	11	77	11	77	<0.2	<0.2	3.5	3.3				
					Bottom	6.1	0.3	308	20.9	8.1	8.1	27.9	27.9	96.5	7.3	3.3	8	77	8	77	8	77	8	77	<0.2	<0.2	3.5	3.3				
						6.1	0.3	337	21.0	8.1	8.1	27.9	27.9	96.7	7.3	3.3	9	77	9	77	9	77	9	77	<0.2	<0.2	3.6	3.3				
IM11	Fine	Moderate	14:32	8.0	Surface	1.0	0.3	280	21.4	8.2	8.2	26.8	26.8	104.4	7.9	4.3	6	73	6	73	6	73	821528	810519	<0.2	<0.2	3.1	2.7				
						1.0	0.3	291	21.4	8.2	8.2	26.8	26.8	104.1	7.9	4.4	8	74	8	75	8	75	8	75	<0.2	<0.2	3.0	2.7				
					Middle	4.0	0.2	292	21.1	8.2	8.2	27.9	27.9	94.8	7.2	6.3	8	75	8	76	8	76	8	76	<0.2	<0.2	2.9	2.7				
						4.0	0.2	297	21.1	8.2	8.2	27.9	27.9	94.8	7.2	6.3	6	76	6	77	6	77	6	77	<0.2	<0.2	2.3	2.4				
					Bottom	7.0	0.1	267	21.1	8.2	8.2	28.1	28.1	93.7	7.1	7.9	8	77	8	77	8	77	8	77	<0.2	<0.2	2.4	2.4				
						7.0	0.1	292	21.1	8.2	8.2	28.1	28.1	93.7	7.1	7.7	7	77	7	77	7	77	7	77	<0.2	<0.2	2.4	2.4				
IM12	Fine	Moderate	14:40	8.8	Surface	1.0	0.2	287	21.9	8.1	8.1	26.0	26.0	106.4	8.0	2.6	4	73	4	73	4	73	821137	811508	<0.2	<0.2	2.9	2.8				
						1.0	0.2	297	21.9	8.1	8.1	26.0	26.0	106.4	8.0	2.6	5	74	5	76	5	76	5	76	<0.2	<0.2	2.6	2.8				
					Middle	4.4	0.3	286	21.1	8.1	8.1	27.9	27.9	94.7	7.2	5.4	5	76	5	76	5	76	5	76	<0.2	<0.2	2.7	2.8				
						4.4	0.3	293	21.1	8.1	8.1	27.9	27.9	94.4	7.1	5.4	5	75	5	77	5	77	5	77	<0.2	<0.2	2.6	2.7				
					Bottom	7.8	0.2	260	20.4	8.0	8.0	29.8	29.8	86.7	6.6	4.8	6	77	6	77	6	77	6	77	<0.2	<0.2	2.9	2.7				
						7.8	0.2	264	20.4	8.1	8.0	29.8	29.8	87.0	6.6	4.9	6	77	6	77	6	77	6	77	<0.2	<0.2	2.7	2.7				
SR2	Fine	Moderate	15:20	3.9	Surface	1.0	0.2	332	21.5	8.1	8.1	27.3	27.3	99.6	7.5	2.0	3	73	3	73	3	73	821438	814139	<0.2	<0.2	3.0	3.0				
						1.0	0.2	359	21.5	8.1	8.1	27.3	27.3	99.2	7.5	2.1	4	74	4	74	4	74	4	74	<0.2	<0.2	2.8	3.0				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.9	0.2	331	20.7	8.0	8.0	29.3	29.3	89.3	6.8	3.8	5	75	5	75	5	75	5	75	<0.2	<0.2	3.2	3.0				
						2.9	0.2	354	20.7	8.0	8.0	29.3	29.3	89.7	6.8	3.9	6	76	6	76	6	76	6	76	<0.2	<0.2	3.1	3.0				
SR3	Fine	Moderate	13:57	8.7	Surface	1.0	0.1	224	21.5	8.2	8.2	25.8	25.8	121.8	9.3	2.5	5	-	5	-	5	-	822142	807588	-	-	-	-				
						1.0	0.1	240	21.5	8.2	8.2	25.8	25.8	121.4	9.2	2.5	5	-	5	-	5	-	5	-	-	-	-	-	-			
					Middle	4.4	0.0	25	21.1	8.1	8.1	27.5	27.5	107.0	8.1	2.3	6	-	6	-	6	-	6	-	-	-	-	-	-	-	-	
						4.4	0.0	26	21.1	8.1	8.1	27.5	27.5	107.0	8.1	2.2	5	-	5	-	5	-	5	-	-	-	-	-	-	-	-	
					Bottom	7.7	0.1	346	20.8	8.1	8.1	28.7	28.7	100.0	7.6	4.2	6	-	6	-	6	-	6	-	-	-	-	-	-	-	-	
						7.7	0.1	318	20.8	8.1	8.1	28.7	28.7	100.1	7.6	4.4	7	-	7	-	7	-	7	-	-	-	-	-	-	-	-	
SR4A	Cloudy	Calm	15:00	8.9	Surface	1.0	0.0	102	21.9	8.1	8.1	27.7	27.7	103.8	7.7	3.9	8	-	8	-	8	-	817206	807799	-	-	-	-				
						1.0	0.0	103	21.9	8.1	8.1	27.7	27.7	103.7	7.7	3.9	7	-	7	-	7	-	7	-	-	-	-	-	-			
					Middle	4.5	0.1	91	21.2	8.0	8.0	28.8	28.8	95.5	7.2	4.3	7	-	7	-	7	-	7	-	-	-	-	-	-	-		
						4.5	0.1	97	21.2	8.0	8.0	28.8	28.8	96.1	7.2	4.4	7	-	7	-	7	-	7	-	-	-	-	-	-	-		
					Bottom	7.9	0.1	90	20.9	8.1	8.0	29.5	29.5	99.0	7.4	6.1	8	-	8	-	8	-	8	-	-	-	-	-	-	-		
						7.9	0.1	90	20.9	8.0	8.0	29.5	29.5	98.8	7.4	6.2	9	-	9	-	9	-	9	-	-	-	-	-	-	-		
SR5A	Cloudy	Calm	15:17	4.7	Surface	1.0	0.1	1	22.2	8.0	8.0	28.6	28.6	99.9	7.4	3.3	5	-	5	-	5	-	816573	810683	-	-	-	-				
						1.0	0.1	1	22.2	8.0	8.0	28.6	28.6	99.8	7.4	3.2	4	-	4	-	4	-	4	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.7	0.1	300	21.4	8.0	8.0	29.1	29.1	93.4	7.0	6.1	6	-	6	-	6	-	6	-	-	-	-	-	-			
						3.7	0.2	314	21.4	8.0	8.0	29.1	29.1	94.2	7.0	6.1	6	-	6	-	6	-	6	-	-	-	-	-	-			
SR6	Cloudy	Calm	15:40	4.4	Surface	1.0	0.2	255	22.1	8.1	8.1	27.1	27.1	98.1	7.3	4.8	6	-	6	-	6	-	817889	814668	-	-	-	-				
						1.0	0.2	272	22.1	8.1	8.1	27.1	27.1	97.9	7.3	4.7	7	-	7	-	7	-	7	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.4	0.1	249	21.7	8.0	8.0	28.5	28.5	88.8	6.6	7.3	7	-	7	-	7	-	7	-	-	-	-	-	-			
						3.4	0.1	260	21.7	8.0	8.0	28.5	28.5	89.0	6.6	7.3	8	-	8	-	8	-	8	-	-	-	-	-	-			
SR7	Fine	Moderate	16:18	18.6	Surface	1.0	0.1	10	20.5	8.1																						



**Expansion of Hong Kong International Airport into a Three-Runway System  
Water Quality Monitoring**

**Water Quality Monitoring Results on 29 March 18 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:50	7.2	Surface	1.0	0.5	90	21.5	21.5	7.9	7.9	26.7	26.7	111.0	111.1	8.4	8.4	8	73	74	822106	808796	<0.2	2.5	<0.2	2.5			
						1.0	0.5	92	21.5	7.9	7.9	26.7	111.1	8.4	8.4	7	73	74	<0.2	2.5										
						3.6	0.3	70	21.5	7.9	7.9	27.1	111.9	8.4	8.4	8	73	74	<0.2	2.4										
					3.6	0.3	71	21.5	7.9	7.9	27.2	112.0	8.5	8.5	8	74	75	<0.2	2.4											
					6.2	0.3	71	21.5	7.9	7.9	27.4	111.1	8.4	8.4	9	75	76	<0.2	2.5											
					6.2	0.3	71	21.5	7.9	7.9	27.3	110.9	8.4	8.4	8	76	77	<0.2	2.5											
IM10	Cloudy	Moderate	10:59	8.2	Surface	1.0	0.3	112	21.7	21.7	7.9	7.9	26.1	26.2	110.9	110.7	8.4	8.4	5	73	74	822229	809860	<0.2	2.0	<0.2	2.0			
						1.0	0.4	118	21.7	7.9	7.9	26.2	110.5	8.4	8.4	5	73	74	<0.2	2.0										
						4.1	0.3	87	21.5	7.9	7.9	26.8	108.8	8.2	8.2	5	73	74	<0.2	2.0										
					4.1	0.3	92	21.5	7.9	7.9	26.9	108.8	8.2	8.2	5	74	75	<0.2	2.0											
					7.2	0.2	99	21.4	7.9	7.9	27.4	108.0	8.1	8.1	5	75	76	<0.2	1.9											
					7.2	0.3	100	21.4	7.9	7.9	27.4	108.0	8.1	8.1	4	75	76	<0.2	2.0											
IM11	Cloudy	Moderate	11:11	7.2	Surface	1.0	0.4	113	21.5	21.5	8.0	8.0	27.1	27.1	105.0	104.9	7.9	7.9	7	73	74	821472	810561	<0.2	1.8	<0.2	1.8			
						1.0	0.4	124	21.5	8.0	8.0	27.1	104.8	7.9	7.9	7	73	74	<0.2	1.8										
						3.6	0.3	110	21.4	8.0	8.0	27.2	104.1	7.9	7.9	12	73	74	<0.2	1.8										
					3.6	0.3	115	21.4	8.0	8.0	27.2	104.1	7.9	7.9	10	74	75	<0.2	1.7											
					6.2	0.3	100	21.4	8.0	8.0	27.4	104.0	7.8	7.8	11	75	76	<0.2	1.7											
					6.2	0.3	100	21.4	8.0	8.0	27.4	103.9	7.8	7.8	10	74	75	<0.2	1.8											
IM12	Cloudy	Moderate	11:18	8.3	Surface	1.0	0.4	105	21.6	21.6	8.0	8.0	26.9	26.9	107.6	107.6	8.1	8.1	8	73	74	821156	811511	<0.2	1.8	<0.2	1.8			
						1.0	0.5	110	21.5	8.0	8.0	26.9	107.5	8.1	8.1	9	73	74	<0.2	1.8										
						4.2	0.4	95	21.5	8.0	8.0	27.0	106.9	8.1	8.1	10	73	74	<0.2	1.9										
					4.2	0.5	97	21.5	8.0	8.0	27.0	106.7	8.1	8.1	8	74	75	<0.2	1.8											
					7.3	0.3	104	21.4	8.0	8.0	27.3	105.3	7.9	7.9	9	75	76	<0.2	1.8											
					7.3	0.3	109	21.4	8.0	8.0	27.3	105.6	8.0	8.0	9	76	77	<0.2	1.9											
SR2	Cloudy	Moderate	11:44	4.2	Surface	1.0	0.4	94	21.5	21.5	7.9	7.9	27.6	27.7	108.0	108.1	8.1	8.1	7	72	73	821489	814175	<0.2	1.9	<0.2	1.9			
						1.0	0.5	98	21.5	7.9	7.9	27.7	108.1	8.1	8.1	6	73	74	<0.2	1.8										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					3.2	0.4	96	21.5	7.9	7.9	27.6	108.2	8.1	8.1	8	74	75	<0.2	1.9											
					3.2	0.4	103	21.5	7.9	7.9	27.6	108.3	8.1	8.1	6	74	75	<0.2	1.9											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
SR3	Cloudy	Moderate	10:38	9.2	Surface	1.0	0.3	146	21.5	21.5	7.9	7.9	25.8	25.8	105.2	105.3	8.0	8.0	10	-	-	822167	807585	-	-	-	-			
						1.0	0.3	149	21.5	7.9	7.9	25.8	105.4	8.0	8.0	10	-	-	-	-										
						4.6	0.3	84	21.4	7.9	7.9	27.3	108.9	8.2	8.2	10	-	-	-	-										
					4.6	0.3	92	21.4	7.9	7.9	27.3	109.0	8.2	8.2	10	-	-	-	-											
					8.2	0.2	39	21.3	7.9	7.9	27.7	109.4	8.2	8.2	11	-	-	-	-											
					8.2	0.2	39	21.3	7.9	7.9	27.7	109.4	8.2	8.2	10	-	-	-	-											
SR4A	Fine	Calm	11:39	9.1	Surface	1.0	0.3	89	21.5	21.5	8.2	8.2	27.0	27.0	109.8	109.6	8.3	8.3	8	-	-	817218	807787	-	-	-	-			
						1.0	0.4	95	21.5	8.2	8.2	27.0	109.4	8.3	8.3	8	-	-	-	-										
						4.6	0.4	82	21.5	8.2	8.2	27.1	108.6	8.2	8.2	8	-	-	-	-										
					4.6	0.4	89	21.5	8.2	8.2	27.1	108.8	8.2	8.2	10	-	-	-	-											
					8.1	0.4	79	21.3	8.1	8.1	27.5	103.0	7.8	7.8	9	-	-	-	-											
					8.1	0.4	80	21.3	8.1	8.1	27.4	103.1	7.8	7.8	8	-	-	-	-											
SR5A	Fine	Calm	11:54	4.6	Surface	1.0	0.2	133	21.6	21.6	8.2	8.2	27.8	27.8	102.5	102.5	7.7	7.7	8	-	-	816581	810690	-	-	-	-			
						1.0	0.2	136	21.6	8.2	8.2	27.8	102.5	7.7	7.7	8	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					3.6	0.0	89	21.7	8.1	8.1	28.0	102.0	7.6	7.6	8	-	-	-	-											
					3.6	0.0	94	21.7	8.1	8.1	28.0	102.0	7.6	7.6	8	-	-	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR6	Fine	Calm	12:16	3.8	Surface	1.0	0.0	14	21.8	21.8	8.1	8.1	27.8	27.8	101.3	101.2	7.6	7.6	7	-	-	817912	814685	-	-	-	-			
						1.0	0.0	14	21.8	8.1	8.1	27.9	101.1	7.6	7.6	9	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					2.8	0.1	48	21.7	8.0	8.0	28.3	92.4	6.9	6.9	7	-	-	-	-											
					2.8	0.1	48	21.7	8.0	8.0	28.3	92.6	6.9	6.9	9	-	-	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-												
SR7	Cloudy	Moderate	12:35	16.8	Surface	1.0	0.6	84	21.4	21.4	7.9	7.9	29.0	29.0	109.0	108.6	8.2	8.2	2	-	-	823607	823757	-	-	-	-			
						1.0	0.6	85	21.3	7.9	7.9	29.1	108.2	8.1	8.1	2	-	-	-	-										
						8.4	0.3	84	20.9	7.8	7.8	29.5	98.3	7.4	7.4	2	-	-	-	-										
					8.4	0.4	88	20.9	7.8	7.8	29.6	98.2	7.4	7.4	2	-	-	-	-											
					15.8	0.2	69	20.9	7.8	7.8	29.7	98.4	7.4	7.4	3	-	-	-	-											
					15.8	0.2	75	20.9	7.8	7.8	29.7	98.6	7.4	7.4	3	-	-	-	-											
SR8	Cloudy	Moderate	11:28	3.8	Surface	1.0	-	-	21.8	21.8	7.9	7.9	27.2	27.2	105.8	105.8	7.9	7.9	7	-	-	820246	811418	-	-	-	-			
						1.0	-	-	21.8	7.9	7.9	27.2	105.7	7.9	7.9	8	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					2.8	-	-	21.7	7.9	7.9	27.2	105.2	7.9	7.9	9	-	-	-	-											
					2.8	-	-	21.7	7.9	7.9	27.2	105.2	7.9	7.9	7	-	-	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-												

DA: Depth-Averaged  
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher  
Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 29 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Calm	06:49	8.1	Surface	1.0	0.7	30	21.2	21.2	8.1	8.1	26.2	26.2	102.2	102.4	7.8	7.8	7.8	7.8	5	6	71	74	815631	804227	<0.2	<0.2	3.6	3.5
						1.0	0.7	30	21.2	21.2	8.1	8.1	26.2	26.2	102.5	102.4	7.8	7.8	5	6	71	74	<0.2	<0.2			3.4	3.5		
						4.1	0.5	16	21.2	21.2	8.1	8.1	28.2	28.2	105.0	105.0	7.9	7.9	6	6	73	74	<0.2	<0.2			3.4	3.5		
					4.1	0.6	16	21.2	21.2	8.1	8.1	28.2	28.2	105.0	105.0	7.9	7.9	6	6	74	74	<0.2	<0.2	3.5			3.5			
					7.1	0.4	11	21.0	21.0	8.1	8.1	28.7	28.7	103.4	103.4	7.8	7.8	6	6	77	75	<0.2	<0.2	3.5			3.8			
					7.1	0.5	11	21.0	21.0	8.1	8.1	28.7	28.7	103.4	103.4	7.8	7.8	7	6	76	75	<0.2	<0.2	3.4			3.8			
C2	Cloudy	Moderate	07:49	12.1	Surface	1.0	0.4	21	21.7	21.7	7.8	7.8	22.6	22.6	104.9	104.9	8.1	8.1	7.9	7.9	5	5	73	74	825660	806964	<0.2	<0.2	3.8	3.8
						1.0	0.4	21	21.7	21.7	7.8	7.8	22.6	22.6	104.8	104.9	8.1	8.1	6	5	73	74	<0.2	<0.2			3.8	3.8		
						6.1	0.4	14	21.4	21.4	7.8	7.8	25.1	25.1	99.0	98.9	7.6	7.6	4	4	74	74	<0.2	<0.2			3.7	3.8		
					6.1	0.4	15	21.3	21.4	7.8	7.8	25.1	25.1	98.8	98.9	7.6	7.6	6	4	74	74	<0.2	<0.2	3.8			3.8			
					11.1	0.4	319	21.0	21.0	7.8	7.8	28.4	28.4	93.0	93.0	7.0	7.0	4	4	75	75	<0.2	<0.2	3.7			3.8			
					11.1	0.4	329	21.0	21.0	7.8	7.8	28.4	28.4	93.0	93.0	7.0	7.0	5	4	75	75	<0.2	<0.2	3.8			3.8			
C3	Cloudy	Moderate	06:00	11.2	Surface	1.0	0.6	263	21.1	21.1	7.9	7.9	28.5	28.5	99.7	99.5	7.5	7.5	7.4	7.4	3	3	73	75	822097	817777	<0.2	<0.2	2.0	2.0
						1.0	0.6	282	21.1	21.1	7.9	7.9	28.5	28.5	99.3	99.5	7.5	7.5	2	3	73	75	<0.2	<0.2			2.2	2.0		
						5.6	0.6	265	20.9	20.9	7.9	7.9	29.3	29.3	96.0	96.0	7.2	7.2	3	3	75	75	<0.2	<0.2			1.8	1.8		
					5.6	0.7	273	20.9	20.9	7.9	7.9	29.3	29.3	95.9	96.0	7.2	7.2	3	3	75	75	<0.2	<0.2	1.8			1.8			
					10.2	0.3	264	20.8	20.8	7.9	7.9	29.5	29.4	96.7	97.1	7.3	7.3	4	4	77	77	<0.2	<0.2	2.0			2.0			
					10.2	0.3	284	20.8	20.8	7.9	7.9	29.4	29.4	97.5	97.1	7.3	7.3	3	3	76	76	<0.2	<0.2	2.0			2.0			
IM1	Fine	Calm	07:05	7.4	Surface	1.0	0.5	23	21.3	21.3	8.1	8.1	27.1	27.1	98.6	98.6	7.5	7.5	7.6	7.6	5	6	71	73	818325	806433	<0.2	<0.2	3.6	3.5
						1.0	0.5	23	21.3	21.3	8.1	8.1	27.1	27.1	98.6	98.6	7.5	7.5	5	6	72	73	<0.2	<0.2			2.5	3.6		
						3.7	0.4	11	21.2	21.2	8.2	8.2	28.0	28.0	100.9	100.9	7.6	7.6	6	6	73	73	<0.2	<0.2			3.6	3.7		
					3.7	0.4	11	21.2	21.2	8.2	8.2	28.0	28.0	100.9	100.9	7.6	7.6	8	6	73	73	<0.2	<0.2	3.7			3.7			
					6.4	0.4	353	21.1	21.1	8.1	8.1	28.2	28.2	99.0	99.0	7.5	7.5	7	7	75	75	<0.2	<0.2	3.9			3.7			
					6.4	0.4	325	21.1	21.1	8.1	8.1	28.2	28.2	98.9	99.0	7.5	7.5	7	7	76	76	<0.2	<0.2	3.7			3.7			
IM2	Fine	Moderate	07:10	8.2	Surface	1.0	0.5	21	21.3	21.3	8.1	8.1	27.0	27.0	99.9	100.0	7.6	7.6	7.7	7.7	5	5	72	74	818829	806203	<0.2	<0.2	3.7	3.6
						1.0	0.6	22	21.3	21.3	8.1	8.1	27.0	27.0	100.1	100.0	7.6	7.6	3	5	72	74	<0.2	<0.2			3.6	3.6		
						4.1	0.6	23	21.2	21.2	8.2	8.2	28.2	28.2	102.7	102.7	7.7	7.7	6	5	73	74	<0.2	<0.2			3.7	3.6		
					4.1	0.6	23	21.2	21.2	8.2	8.2	28.2	28.2	102.7	102.7	7.7	7.7	5	5	74	74	<0.2	<0.2	3.6			3.6			
					7.2	0.5	22	21.2	21.2	8.1	8.1	28.2	28.2	101.6	101.6	7.7	7.7	4	4	75	75	<0.2	<0.2	3.6			3.6			
					7.2	0.5	23	21.2	21.2	8.1	8.1	28.2	28.2	101.6	101.6	7.7	7.7	5	4	75	75	<0.2	<0.2	3.4			3.4			
IM3	Fine	Moderate	07:15	8.4	Surface	1.0	0.5	48	21.4	21.4	8.1	8.1	27.4	27.4	101.5	101.5	7.7	7.7	7.7	7.7	5	6	72	74	819383	806012	<0.2	<0.2	3.4	3.5
						1.0	0.5	49	21.4	21.4	8.1	8.1	27.4	27.4	101.5	101.5	7.7	7.7	5	6	72	74	<0.2	<0.2			3.5	3.5		
						4.2	0.4	54	21.3	21.3	8.2	8.2	27.7	27.7	101.2	101.2	7.6	7.6	5	4	73	73	<0.2	<0.2			3.5	3.5		
					4.2	0.5	55	21.3	21.3	8.2	8.2	27.7	27.7	101.2	101.2	7.6	7.6	4	4	73	73	<0.2	<0.2	3.5			3.5			
					7.4	0.4	47	21.3	21.3	8.2	8.2	27.8	27.8	100.1	100.0	7.5	7.5	9	7	75	75	<0.2	<0.2	3.5			3.5			
					7.4	0.4	49	21.3	21.3	8.2	8.2	27.8	27.8	99.9	99.9	7.5	7.5	8	7	76	76	<0.2	<0.2	3.4			3.4			
IM4	Fine	Moderate	07:23	7.7	Surface	1.0	0.5	26	21.3	21.3	8.1	8.1	27.3	27.3	101.2	101.4	7.7	7.7	7.8	7.8	6	6	72	74	819548	805058	<0.2	<0.2	4.0	3.8
						1.0	0.5	26	21.3	21.3	8.1	8.1	27.3	27.3	101.5	101.4	7.7	7.7	6	6	72	74	<0.2	<0.2			3.7	3.8		
						3.9	0.5	33	21.4	21.4	8.1	8.1	28.0	28.0	104.9	104.9	7.9	7.9	6	6	73	74	<0.2	<0.2			3.9	3.6		
					3.9	0.5	36	21.4	21.4	8.1	8.1	28.0	28.0	104.9	104.9	7.9	7.9	5	6	74	74	<0.2	<0.2	3.6			3.6			
					6.7	0.5	38	21.4	21.4	8.1	8.1	28.0	28.0	104.4	104.4	7.9	7.9	7	7	75	75	<0.2	<0.2	3.6			3.6			
					6.7	0.5	40	21.4	21.4	8.1	8.1	28.0	28.0	104.4	104.4	7.8	7.8	8	7	75	75	<0.2	<0.2	3.7			3.7			
IM5	Fine	Moderate	07:32	6.9	Surface	1.0	0.5	12	21.3	21.3	8.1	8.1	27.0	27.0	95.9	95.9	7.3	7.3	7.3	7.3	5	6	72	74	820539	804897	<0.2	<0.2	3.7	3.7
						1.0	0.5	12	21.3	21.3	8.1	8.1	27.0	27.0	95.9	95.9	7.3	7.3	5	6	73	74	<0.2	<0.2			3.8	3.7		
						3.5	0.5	7	21.3	21.3	8.0	8.0	27.0	27.0	95.4	95.4	7.2	7.2	5	6	74	74	<0.2	<0.2			3.7	3.7		
					3.5	0.5	7	21.3	21.3	8.0	8.0	27.0	27.0	95.3	95.4	7.2	7.2	6	6	74	74	<0.2	<0.2	3.6			3.6			
					5.9	0.4	5	21.3	21.3	7.9	7.9	27.0	27.0	93.9	93.9	7.1	7.1	8	7	75	75	<0.2	<0.2	3.8			3.8			
					5.9	0.5	5	21.3	21.3	7.9	7.9	27.0	27.0	93.8	93.9	7.1	7.1	7	7	75	75	<0.2	<0.2	3.7			3.7			
IM6	Fine	Moderate	07:39	7.0	Surface	1.0	0.2	66	21.4	21.4	8.1	8.1	26.7	26.7	96.4	96.4	7.3	7.3	7.3	7.3	6	8	72	74	821048	805854	<0.2	<0.2	3.7	3.7
						1.0	0.2	68	21.4	21.4	8.1	8.1	26.7	26.7	96.4	96.4	7.3	7.3	7	8	73	74	<0.2	<0.2			3.6	3.7		
						3.5	0.3	63	21.4	21.4	8.1	8.1	26.8	26.8	96.5	96.5	7.3	7.3	6	8	74	74	<0.2	<0.2			3.7	3.7		
					3.5	0.3	68	21.4	21.4	8.1	8.1	26.8	26.8	96.5	96.5	7.3	7.3	8	8	74	74	<0.2	<0.2	3.7			3.7			
					6.0	0.3	65	21.4	21.4	8.1	8.1	26.9	26.9	96.5	96.5	7.3	7.3	9	7	75	75	<0.2								

Expansion of Hong Kong International Airport into a Three-Runway System  
Water Quality Monitoring

Water Quality Monitoring Results on 29 March 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
IM9	Cloudy	Moderate	07:18	7.6	Surface	1.0	0.2	338	21.5	21.5	7.8	7.8	23.3	23.3	102.0	101.9	7.9	7.9	7.9	7.9	7	7	73	73	822093	808835	<0.2	<0.2	3.6	3.6		
						1.0	0.2	342	21.5	7.8	7.8	23.2	23.3	101.7	101.9	7.9	7.9	7	7	73	73	<0.2	<0.2	3.8			3.8					
						3.8	0.2	348	21.5	7.8	7.8	25.0	25.0	101.3	101.3	7.7	7.7	8	8	74	74	<0.2	<0.2	3.9			3.9					
					3.8	0.2	320	21.5	7.8	7.8	25.0	25.0	101.2	101.3	7.7	7.7	6	6	74	74	<0.2	<0.2	4.0	4.0								
					6.6	0.2	349	21.4	7.8	7.8	25.1	25.2	101.4	101.5	7.7	7.7	8	8	75	75	<0.2	<0.2	3.9	3.9								
					6.6	0.2	321	21.4	7.8	7.8	25.2	25.2	101.6	101.5	7.8	7.8	10	10	76	76	<0.2	<0.2	3.7	3.7								
IM10	Cloudy	Moderate	07:12	8.2	Surface	1.0	0.3	327	21.5	21.5	7.9	7.9	26.9	26.9	104.5	104.5	7.9	7.9	7.9	7.9	12	12	73	73	822230	809846	<0.2	<0.2	2.0	2.0		
						1.0	0.3	357	21.5	7.9	7.9	26.9	26.9	104.5	104.5	7.9	7.9	13	13	73	73	<0.2	<0.2	2.1			2.1					
						4.1	0.3	325	21.5	7.9	7.9	27.0	27.0	104.3	104.3	7.9	7.9	13	13	74	74	<0.2	<0.2	2.1			2.1					
					4.1	0.3	351	21.5	7.9	7.9	27.1	27.1	104.3	104.3	7.9	7.9	12	12	74	74	<0.2	<0.2	2.1	2.1								
					7.2	0.3	319	21.5	7.9	7.9	27.1	27.1	104.3	104.3	7.9	7.9	11	11	76	76	<0.2	<0.2	2.0	2.0								
					7.2	0.3	347	21.5	7.9	7.9	27.1	27.1	104.8	104.6	7.9	7.9	12	12	76	76	<0.2	<0.2	2.0	2.0								
IM11	Cloudy	Moderate	06:57	8.0	Surface	1.0	0.3	282	21.4	21.4	7.9	7.9	27.6	27.6	104.1	104.1	7.8	7.8	7.8	7.8	7	7	73	73	821504	810552	<0.2	<0.2	2.2	2.2		
						1.0	0.4	302	21.4	7.9	7.9	27.6	27.6	104.0	104.1	7.8	7.8	8	8	73	73	<0.2	<0.2	2.4			2.4					
						4.0	0.3	291	21.4	7.9	7.9	27.8	27.8	103.3	103.3	7.8	7.8	7	7	75	75	<0.2	<0.2	2.1			2.1					
					4.0	0.4	295	21.4	7.9	7.9	27.8	27.8	103.3	103.3	7.8	7.8	8	8	74	74	<0.2	<0.2	2.0	2.0								
					7.0	0.3	302	21.4	7.9	7.9	27.8	27.8	103.2	103.2	7.8	7.8	7	7	76	76	<0.2	<0.2	2.1	2.1								
					7.0	0.3	316	21.4	7.9	7.9	27.8	27.8	103.2	103.2	7.8	7.8	8	8	76	76	<0.2	<0.2	2.4	2.4								
IM12	Cloudy	Moderate	06:50	7.8	Surface	1.0	0.6	277	21.4	21.4	7.9	7.9	27.7	27.7	107.1	107.1	8.1	8.1	8.1	8.1	7	7	73	73	821191	811547	<0.2	<0.2	1.8	1.8		
						1.0	0.7	295	21.4	7.9	7.9	27.7	27.7	107.0	107.1	8.1	8.1	7	7	73	73	<0.2	<0.2	2.2			2.2					
						3.9	0.5	279	21.4	7.9	7.9	27.7	27.7	106.7	106.7	8.0	8.0	9	9	75	75	<0.2	<0.2	2.1			2.1					
					3.9	0.5	302	21.4	7.9	7.9	27.7	27.7	106.7	106.7	8.0	8.0	7	7	75	75	<0.2	<0.2	2.6	2.6								
					6.8	0.4	286	21.4	7.9	7.9	27.8	27.8	105.8	105.8	8.0	8.0	10	10	76	76	<0.2	<0.2	3.2	3.2								
					6.8	0.4	304	21.4	7.9	7.9	27.8	27.8	105.7	105.7	8.0	8.0	10	10	75	75	<0.2	<0.2	2.7	2.7								
SR2	Cloudy	Moderate	06:24	3.8	Surface	1.0	0.2	281	21.4	21.4	7.9	7.9	27.7	27.7	104.0	104.0	7.8	7.8	7.8	7.8	8	8	73	73	821436	814191	<0.2	<0.2	2.0	2.0		
						1.0	0.2	283	21.4	7.9	7.9	27.7	27.7	104.0	104.0	7.8	7.8	8	8	74	74	<0.2	<0.2	3.0			3.0					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					2.8	0.2	290	21.4	7.9	7.9	27.7	27.7	104.6	104.6	7.9	7.9	6	6	75	75	<0.2	<0.2	2.6	2.6								
					2.8	0.2	293	21.4	7.9	7.9	27.7	27.7	104.8	104.7	7.9	7.9	8	8	75	75	<0.2	<0.2	2.4	2.4								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
SR3	Cloudy	Moderate	07:28	8.9	Surface	1.0	0.4	19	21.5	21.5	7.8	7.8	23.0	23.0	101.8	101.7	7.9	7.9	7.9	7.9	8	8	-	-	822167	807558	-	-	-	-		
						1.0	0.4	20	21.5	7.8	7.8	23.0	23.0	101.5	101.5	7.8	7.8	9	9	-	-	-	-									
						4.5	0.5	21	21.4	7.8	7.8	24.9	24.9	100.3	100.2	7.7	7.7	7	7	-	-	-	-									
					4.5	0.5	23	21.4	7.8	7.8	25.0	25.0	100.1	100.1	7.7	7.7	8	8	-	-	-	-										
					7.9	0.5	13	21.4	7.8	7.8	25.3	25.3	99.5	99.5	7.6	7.6	7	7	-	-	-	-										
					7.9	0.5	13	21.4	7.8	7.8	25.3	25.3	99.5	99.5	7.6	7.6	7	7	-	-	-	-										
SR4A	Fine	Calm	06:23	8.3	Surface	1.0	0.4	248	21.3	21.3	8.1	8.1	26.9	26.9	102.8	102.8	7.8	7.8	7.8	7.8	8	8	-	-	817179	807803	-	-	-	-		
						1.0	0.4	272	21.3	8.1	8.1	26.9	26.9	102.8	102.8	7.8	7.8	8	8	-	-	-	-									
						4.2	0.3	255	21.3	8.1	8.1	27.8	27.7	104.8	104.8	7.9	7.9	13	13	-	-	-	-									
					4.2	0.3	270	21.3	8.1	8.1	27.7	27.7	104.8	104.8	7.9	7.9	11	11	-	-	-	-										
					7.3	0.2	265	21.1	8.1	8.1	28.8	28.8	103.5	103.5	7.8	7.8	10	10	-	-	-	-										
					7.3	0.3	278	21.1	8.1	8.1	28.8	28.8	103.5	103.5	7.8	7.8	10	10	-	-	-	-										
SR5A	Fine	Calm	06:10	4.5	Surface	1.0	0.3	292	21.3	21.3	8.1	8.1	26.6	26.6	102.0	102.1	7.7	7.7	7.7	7.7	10	10	-	-	816619	810712	-	-	-	-		
						1.0	0.3	315	21.3	8.1	8.1	26.6	26.6	102.1	102.1	7.8	7.8	9	9	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					3.5	0.3	297	21.3	8.1	8.1	27.7	27.7	103.5	103.5	7.8	7.8	8	8	-	-	-	-										
					3.5	0.3	316	21.3	8.1	8.1	27.7	27.7	103.5	103.5	7.8	7.8	7	7	-	-	-	-										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR6	Fine	Calm	05:47	4.0	Surface	1.0	0.2	273	21.3	21.3	8.0	8.0	26.8	26.8	101.4	101.4	7.7	7.7	7.7	7.7	7	7	-	-	817884	814679	-	-	-	-		
						1.0	0.2	292	21.3	8.0	8.0	26.8	26.8	101.4	101.4	7.7	7.7	7	7	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					3.0	0.2	272	21.3	7.9	7.9	27.7	27.7	102.1	102.0	7.7	7.7	8	8	-	-	-	-										
					3.0	0.2	272	21.3	7.9	7.9	27.7	27.7	101.9	102.0	7.7	7.7	8	8	-	-	-	-										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
SR7	Cloudy	Moderate	05:27	16.8	Surface	1.0	0.1	297	21.2	21.2	7.8	7.8	28.3	28.3	101.8	101.8	7.7	7.7	7.7	7.7	6	6	-	-	823629	823712	-	-	-	-		
						1.0	0.2	297	21.2	7.8	7.8	28.3	28.3	101.7	101.7	7.7	7.7	7	7	-	-	-	-									
						8.4	0.3	73	21.1	7.8	7.8	28.8	28.8	99.7	99.7	7.5	7.5	5	5	-	-	-	-									
					8.4	0.3	73	21.1	7.8	7.8	28.8	28.8	99.7	99.7	7.5	7.5	5	5	-	-	-	-										
					15.8	0.4	57	20.9	7.8	7.8	29.4	29.4	98.5	98.6	7.4	7.4	7	7	-	-	-	-										
					15.8	0.4	59	20.9	7.8	7.8	29.4	29.4	98.6	98.6	7.4	7.4	6	6														

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 31 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	12:29	8.5	Surface	1.0	0.1	206	21.9	21.9	8.1	8.1	29.0	29.0	99.9	99.7	7.4	7.3	12.6	16.5	7	9	72	74	815592	804227	<0.2	2.2	<0.2	1.9		
						1.0	0.1	214	21.9	8.1	8.1	29.0	29.0	99.5	99.7	7.4	7.3	13.5	16.5	6	9	73	74	<0.2	2.2	<0.2	1.9					
					Middle	4.3	0.1	204	21.2	21.2	8.1	8.1	29.7	29.7	96.5	96.5	7.2	7.2	17.3	18.8	10	14	75	75	74	74	815592	804227	<0.2	2.6	<0.2	2.1
						4.3	0.1	205	21.2	21.2	8.1	8.1	29.7	29.7	96.5	96.5	7.2	7.2	17.3	18.8	10	14	75	75	74	74	815592	804227	<0.2	2.1	<0.2	2.1
					Bottom	7.5	0.2	224	21.1	21.1	8.1	8.1	30.2	30.2	96.0	96.0	7.2	7.2	19.0	19.0	12	14	75	75	74	74	815592	804227	<0.2	2.6	<0.2	2.6
						7.5	0.3	239	21.1	21.1	8.1	8.1	30.2	30.2	96.0	96.0	7.2	7.2	19.0	19.0	11	14	76	76	74	74	815592	804227	<0.2	2.6	<0.2	2.6
C2	Sunny	Moderate	11:24	12.2	Surface	1.0	0.1	4	22.2	22.2	7.8	7.8	26.5	26.5	89.5	89.5	6.7	6.7	14.0	18.8	14	14	73	75	825699	806937	<0.2	2.5	<0.2	2.6		
						1.0	0.1	4	22.2	22.2	7.8	7.8	26.5	26.5	89.4	89.5	6.7	6.7	14.0	18.8	14	14	73	75	825699	806937	<0.2	2.7	<0.2	2.6		
					Middle	6.1	0.1	155	21.9	21.9	7.9	7.9	27.1	27.1	88.4	88.4	6.6	6.6	16.5	18.8	14	14	75	75	75	75	825699	806937	<0.2	2.6	<0.2	2.6
						6.1	0.1	168	21.9	21.9	7.9	7.9	27.1	27.1	88.4	88.4	6.6	6.6	16.8	18.8	13	14	75	75	75	75	825699	806937	<0.2	2.4	<0.2	2.4
					Bottom	11.2	0.2	158	21.8	21.8	7.9	7.9	28.5	28.5	89.4	89.4	6.7	6.7	25.7	25.7	14	14	77	77	75	75	825699	806937	<0.2	2.6	<0.2	2.6
						11.2	0.2	158	21.8	21.8	7.9	7.9	28.5	28.5	89.3	89.4	6.7	6.7	25.7	25.7	14	14	77	77	75	75	825699	806937	<0.2	2.6	<0.2	2.6
C3	Sunny	Moderate	13:14	12.5	Surface	1.0	0.5	48	22.2	22.2	8.0	8.0	28.8	28.8	89.8	89.8	6.6	6.6	6.7	9.4	4	6	73	75	822127	817819	<0.2	2.0	<0.2	2.1		
						1.0	0.6	50	22.2	22.2	8.0	8.0	28.8	28.8	89.8	89.8	6.6	6.6	6.7	9.4	5	6	73	75	822127	817819	<0.2	2.2	<0.2	2.0		
					Middle	6.3	0.4	76	21.6	21.6	8.0	8.0	29.8	29.8	87.1	87.1	6.5	6.5	9.6	9.4	6	6	75	75	75	75	822127	817819	<0.2	2.1	<0.2	2.1
						6.3	0.4	83	21.6	21.6	8.0	8.0	29.8	29.8	87.1	87.1	6.5	6.5	9.5	9.4	6	6	75	75	75	75	822127	817819	<0.2	2.0	<0.2	2.0
					Bottom	11.5	0.3	99	21.3	21.3	8.0	8.0	30.9	30.9	86.7	86.8	6.4	6.4	12.0	12.0	6	6	77	77	75	75	822127	817819	<0.2	2.0	<0.2	2.0
						11.5	0.3	99	21.3	21.3	8.0	8.0	30.9	30.9	86.8	86.8	6.4	6.4	12.1	12.1	7	6	76	76	75	75	822127	817819	<0.2	2.2	<0.2	2.2
IM1	Cloudy	Moderate	12:13	7.5	Surface	1.0	0.1	241	21.9	21.9	8.1	8.1	27.9	27.9	96.5	96.5	7.2	7.2	17.5	19.8	7	8	72	74	818364	806443	<0.2	1.4	<0.2	1.5		
						1.0	0.1	245	21.9	21.9	8.1	8.1	27.9	27.9	96.5	96.5	7.2	7.2	17.5	19.8	6	8	73	74	818364	806443	<0.2	1.4	<0.2	1.4		
					Middle	3.8	0.1	162	21.6	21.6	8.1	8.1	28.5	28.5	96.1	96.1	7.2	7.2	18.7	19.8	9	9	74	74	75	75	818364	806443	<0.2	1.6	<0.2	1.6
						3.8	0.1	167	21.6	21.6	8.1	8.1	28.5	28.5	96.1	96.1	7.2	7.2	19.0	19.8	10	9	74	74	75	75	818364	806443	<0.2	1.5	<0.2	1.5
					Bottom	6.5	0.1	200	21.2	21.2	8.1	8.1	30.0	30.0	95.2	95.2	7.1	7.1	23.0	23.0	9	9	75	75	75	75	818364	806443	<0.2	1.7	<0.2	1.7
						6.5	0.1	201	21.2	21.2	8.1	8.1	30.0	30.0	95.2	95.2	7.1	7.1	23.0	23.0	8	9	76	76	75	75	818364	806443	<0.2	1.5	<0.2	1.5
IM2	Cloudy	Moderate	12:08	8.4	Surface	1.0	0.1	206	21.7	21.7	8.1	8.1	28.4	28.4	97.2	97.2	7.3	7.3	16.0	17.3	10	9	73	75	818870	806191	<0.2	1.3	<0.2	1.4		
						1.0	0.1	216	21.7	21.7	8.1	8.1	28.4	28.4	97.2	97.2	7.3	7.3	16.0	17.3	10	9	73	75	818870	806191	<0.2	1.4	<0.2	1.4		
					Middle	4.2	0.1	138	21.5	21.5	8.1	8.1	28.7	28.7	96.5	96.5	7.2	7.2	17.1	17.3	9	9	74	74	75	75	818870	806191	<0.2	1.4	<0.2	1.4
						4.2	0.1	142	21.5	21.5	8.1	8.1	28.7	28.7	96.5	96.5	7.2	7.2	17.1	17.3	10	9	75	75	75	75	818870	806191	<0.2	1.4	<0.2	1.4
					Bottom	7.4	0.2	142	21.3	21.3	8.1	8.1	29.9	29.9	95.1	95.1	7.1	7.1	18.9	18.9	9	9	76	76	75	75	818870	806191	<0.2	1.4	<0.2	1.4
						7.4	0.2	142	21.3	21.3	8.1	8.1	29.9	29.9	95.1	95.1	7.1	7.1	18.9	18.9	8	9	76	76	75	75	818870	806191	<0.2	1.4	<0.2	1.4
IM3	Cloudy	Moderate	11:59	8.4	Surface	1.0	0.1	272	21.8	21.8	8.1	8.1	28.2	28.2	97.5	97.6	7.3	7.3	15.6	17.9	8	9	73	74	819435	805993	<0.2	1.4	<0.2	1.6		
						1.0	0.1	281	21.8	21.8	8.1	8.1	28.2	28.2	97.6	97.6	7.3	7.3	15.7	17.9	9	9	73	74	819435	805993	<0.2	1.6	<0.2	1.6		
					Middle	4.2	0.1	105	21.5	21.5	8.1	8.1	29.0	29.0	96.9	96.9	7.2	7.2	16.9	17.9	9	9	74	74	75	75	819435	805993	<0.2	1.5	<0.2	1.5
						4.2	0.1	111	21.5	21.5	8.1	8.1	29.0	29.0	96.9	96.9	7.2	7.2	16.9	17.9	9	9	74	74	75	75	819435	805993	<0.2	1.3	<0.2	1.3
					Bottom	7.4	0.2	118	21.2	21.2	8.1	8.1	29.9	29.9	95.4	95.4	7.1	7.1	21.2	21.2	8	8	75	75	75	75	819435	805993	<0.2	1.2	<0.2	1.2
						7.4	0.2	120	21.2	21.2	8.1	8.1	29.9	29.9	95.4	95.4	7.1	7.1	21.2	21.2	8	8	75	75	75	75	819435	805993	<0.2	1.4	<0.2	1.4
IM4	Cloudy	Moderate	11:49	8.0	Surface	1.0	0.2	189	21.8	21.8	8.1	8.1	28.5	28.5	97.5	97.5	7.3	7.2	16.4	18.7	9	8	73	75	819585	805050	<0.2	1.3	<0.2	1.3		
						1.0	0.2	197	21.8	21.8	8.1	8.1	28.5	28.5	97.5	97.5	7.3	7.2	16.4	18.7	7	8	74	75	819585	805050	<0.2	1.2	<0.2	1.2		
					Middle	4.0	0.1	46	21.3	21.3	8.1	8.1	29.5	29.5	95.7	95.7	7.1	7.1	18.9	18.7	7	8	75	75	75	75	819585	805050	<0.2	1.3	<0.2	1.3
						4.0	0.1	49	21.3	21.3	8.1	8.1	29.5	29.5	95.7	95.7	7.1	7.1	18.9	18.7	8	8	75	75	75	75	819585	805050	<0.2	1.1	<0.2	1.1
					Bottom	7.0	0.1	241	21.2	21.2	8.1	8.1	30.0	30.0	94.8	94.8	7.1	7.1	20.9	20.9	7	7	75	75	75	75	819585	805050	<0.2	1.3	<0.2	1.3
						7.0	0.1	261	21.2	21.2	8.1	8.1	30.0	30.0	94.8	94.8	7.1	7.1	20.9	20.9	7	7	76	76	75	75	819585	805050	<0.2	1.2	<0.2	1.2
IM5	Cloudy	Moderate	11:40	7.4	Surface	1.0	0.2	166	21.8	21.8	8.1	8.1	28.4	28.4	97.2	97.2	7.2	7.2	16.6	17.1	6	8	73	74	820550	804937	<0.2	1.8	<0.2	1.7		
						1.0	0.2	180	21.8	21.8	8.1	8.1	28.4	28.4	97.2	97.2	7.2	7.2	16.6													



Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 31 March 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
IM9	Sunny	Moderate	11:57	7.4	Surface	1.0	0.2	90	22.3	7.9	7.9	27.1	27.1	93.1	93.1	6.9	6.9	13.3	9	73	9	73	75	822107	808814	<0.2	<0.2	2.2	2.3					
						1.0	0.2	94	22.3	7.9	7.9	27.1	27.1	93.1	93.1	6.9	6.9	13.3	10	73	10	75	10	75	75	822107	808814	<0.2	<0.2	2.3	2.3			
					Middle	3.7	0.3	98	22.1	22.1	8.1	8.0	28.5	28.4	93.6	93.7	6.9	6.9	18.4	6.9	18.4	10	75	10	75	75	822107	808814	<0.2	<0.2	2.3	2.3		
						3.7	0.3	100	22.1	22.1	8.0	8.0	28.4	28.4	93.7	93.7	6.9	6.9	18.6	7.0	18.6	10	75	10	75	75	822107	808814	<0.2	<0.2	2.3	2.3		
					Bottom	6.4	0.4	72	21.6	21.6	8.0	8.0	30.0	30.0	94.6	94.6	7.0	7.0	25.4	7.0	25.4	12	76	12	76	75	822107	808814	<0.2	<0.2	2.2	2.2		
						6.4	0.4	78	21.6	21.6	8.0	8.0	30.0	30.0	94.5	94.6	7.0	7.0	25.2	7.0	25.2	10	77	10	77	75	822107	808814	<0.2	<0.2	2.3	2.3		
IM10	Sunny	Moderate	12:06	7.8	Surface	1.0	0.5	95	22.1	8.0	8.0	28.2	28.2	94.9	94.9	7.0	7.0	10.4	10	73	10	73	75	822226	809865	<0.2	<0.2	1.8	1.8					
						1.0	0.5	101	22.1	22.1	8.0	8.0	28.2	28.2	94.9	94.9	7.0	7.0	10.4	10	73	10	73	10	75	75	822226	809865	<0.2	<0.2	1.8	1.8		
					Middle	3.9	0.6	88	21.8	21.8	8.0	8.0	29.0	29.0	94.2	94.3	7.0	7.0	14.9	7.0	14.9	10	75	10	75	75	822226	809865	<0.2	<0.2	1.8	1.8		
						3.9	0.6	96	21.8	21.8	8.0	8.0	29.0	29.0	94.3	94.3	7.0	7.0	15.1	7.0	15.1	10	75	10	75	75	822226	809865	<0.2	<0.2	1.8	1.8		
					Bottom	6.8	0.5	92	21.7	21.7	8.0	8.0	29.5	29.5	93.8	93.8	6.9	6.9	20.5	7.0	20.5	12	76	12	76	75	822226	809865	<0.2	<0.2	1.8	1.8		
						6.8	0.5	98	21.7	21.7	8.0	8.0	29.5	29.5	93.7	93.8	6.9	6.9	20.3	7.0	20.3	12	77	12	77	75	822226	809865	<0.2	<0.2	1.8	1.8		
IM11	Sunny	Moderate	12:18	7.5	Surface	1.0	0.3	105	22.2	22.2	8.1	8.1	28.0	28.0	92.8	92.8	6.9	6.9	16.2	16	73	16	73	75	821489	810516	<0.2	<0.2	1.8	1.8				
						1.0	0.3	106	22.2	22.2	8.1	8.1	28.0	28.0	92.7	92.8	6.9	6.9	16.0	18	73	18	73	18	75	75	821489	810516	<0.2	<0.2	1.8	1.8		
					Middle	3.8	0.4	105	21.9	21.9	8.1	8.1	28.6	28.6	92.9	93.0	6.9	6.9	18.4	17	75	17	75	17	75	75	821489	810516	<0.2	<0.2	1.8	1.8		
						3.8	0.4	109	21.9	21.9	8.1	8.1	28.6	28.6	93.0	93.0	6.9	6.9	18.5	17	74	17	74	17	76	75	821489	810516	<0.2	<0.2	1.7	1.7		
					Bottom	6.5	0.4	83	21.8	21.8	8.1	8.1	29.2	29.2	93.0	93.0	6.9	6.9	20.0	19	76	19	76	19	76	18	77	75	821489	810516	<0.2	<0.2	1.8	1.8
						6.5	0.4	87	21.8	21.8	8.1	8.1	29.2	29.2	93.0	93.0	6.9	6.9	20.0	18	77	18	77	18	77	18	77	75	821489	810516	<0.2	<0.2	1.8	1.8
IM12	Sunny	Moderate	12:27	7.9	Surface	1.0	0.4	97	22.3	22.3	8.0	8.0	27.8	27.8	92.6	92.6	6.9	6.9	15.4	12	73	12	73	75	821160	811543	<0.2	<0.2	1.6	1.7				
						1.0	0.5	98	22.3	22.3	8.0	8.0	27.8	27.8	92.6	92.6	6.9	6.9	15.5	12	73	12	73	12	73	75	821160	811543	<0.2	<0.2	1.7	1.7		
					Middle	4.0	0.5	106	21.9	21.9	8.1	8.1	28.1	28.1	91.6	91.6	6.8	6.8	17.2	15	75	15	75	14	75	75	821160	811543	<0.2	<0.2	1.8	1.8		
						4.0	0.5	114	21.9	21.9	8.1	8.1	28.1	28.1	91.6	91.6	6.8	6.8	17.4	14	75	14	75	14	75	14	75	75	821160	811543	<0.2	<0.2	1.7	1.7
					Bottom	6.9	0.4	98	21.9	21.9	8.1	8.1	28.4	28.4	92.2	92.3	6.9	6.9	19.2	16	77	16	76	16	76	16	76	75	821160	811543	<0.2	<0.2	1.8	1.9
						6.9	0.4	102	21.9	21.9	8.1	8.1	28.4	28.4	92.3	92.3	6.9	6.9	19.2	16	76	16	76	16	76	16	76	75	821160	811543	<0.2	<0.2	1.9	1.9
SR2	Sunny	Moderate	12:54	3.6	Surface	1.0	0.5	73	22.4	22.4	8.0	8.0	28.1	28.1	92.8	92.8	6.9	6.9	9.9	8	73	8	73	74	821435	814146	<0.2	<0.2	1.8	1.8				
						1.0	0.5	75	22.4	22.4	8.0	8.0	28.1	28.1	92.8	92.8	6.9	6.9	9.9	6	73	6	73	6	73	74	821435	814146	<0.2	<0.2	1.8	1.8		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821435	814146	<0.2	<0.2	1.8	1.8	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	74	821435	814146	<0.2	<0.2	1.8	1.8
					Bottom	2.6	0.4	73	22.1	22.1	8.0	8.0	28.6	28.6	92.0	92.0	6.8	6.8	16.1	7	75	7	75	7	74	7	74	74	821435	814146	<0.2	<0.2	1.8	1.8
						2.6	0.4	78	22.1	22.1	8.0	8.0	28.6	28.6	92.0	92.0	6.8	6.8	16.4	7	74	7	74	7	74	7	74	74	821435	814146	<0.2	<0.2	1.8	1.8
SR3	Sunny	Moderate	11:44	9.0	Surface	1.0	0.3	132	22.2	22.2	7.9	7.9	26.8	26.8	92.8	92.9	6.9	6.9	14.7	13	-	13	-	-	822136	807581	-	-	-	-				
						1.0	0.3	141	22.2	22.2	7.9	7.9	26.8	26.8	92.9	92.9	6.9	6.9	14.8	12	-	12	-	-	-	-	822136	807581	-	-	-	-		
					Middle	4.5	0.3	63	21.8	21.8	8.0	8.0	29.8	29.8	96.3	96.3	7.1	7.1	16.3	14	-	14	-	-	-	-	822136	807581	-	-	-	-		
						4.5	0.3	65	21.8	21.8	8.0	8.0	29.8	29.8	96.3	96.3	7.1	7.1	16.3	14	-	14	-	-	-	-	822136	807581	-	-	-	-		
					Bottom	8.0	0.3	61	21.7	21.7	8.0	8.0	30.2	30.2	96.0	96.0	7.1	7.1	20.4	13	-	13	-	-	-	-	822136	807581	-	-	-	-		
						8.0	0.3	64	21.7	21.7	8.0	8.0	30.2	30.2	96.0	96.0	7.1	7.1	20.4	13	-	13	-	-	-	-	822136	807581	-	-	-	-		
SR4A	Cloudy	Calm	12:49	8.4	Surface	1.0	0.3	84	21.7	21.7	8.1	8.1	28.4	28.4	95.2	95.2	7.1	7.1	16.6	12	-	12	-	-	817164	807797	-	-	-	-				
						1.0	0.3	92	21.7	21.7	8.1	8.1	28.4	28.4	95.2	95.2	7.1	7.1	16.6	12	-	12	-	-	-	-	817164	807797	-	-	-	-		
					Middle	4.2	0.2	78	21.4	21.4	8.1	8.1	28.9	28.9	94.4	94.4	7.1	7.1	19.4	12	-	12	-	-	-	-	817164	807797	-	-	-	-		
						4.2	0.2	84	21.4	21.4	8.1	8.1	28.9	28.9	94.4	94.4	7.1	7.1	19.4	14	-	14	-	-	-	-	817164	807797	-	-	-	-		
					Bottom	7.4	0.2	67	21.4	21.4	8.1	8.1	29.1	29.1	94.1	94.1	7.0	7.0	22.9	13	-	13	-	-	-	-	817164	807797	-	-	-	-		
						7.4	0.2	72	21.4	21.4	8.1	8.1	29.1	29.1	94.1	94.1	7.0	7.0	22.9	12	-	12	-	-	-	-	817164	807797	-	-	-	-		
SR5A	Cloudy	Calm	13:04	4.4	Surface	1.0	0.0	46	22.6	22.6	8.1	8.1	27.0	27.0	92.2	92.2	6.8	6.8	19.2	9	-	9	-	-	816610	810699	-	-	-	-				
						1.0	0.0	48	22.6	22.6	8.1	8.1	27.0	27.0	92.2	92.2	6.8	6.8	19.2	8	-	8	-	-	-	-	816610	810699	-	-	-	-		
					Middle																													

Expansion of Hong Kong International Airport into a Three-Runway System

Water Quality Monitoring

Water Quality Monitoring Results on 31 March 18 during Mid-Flood Tide

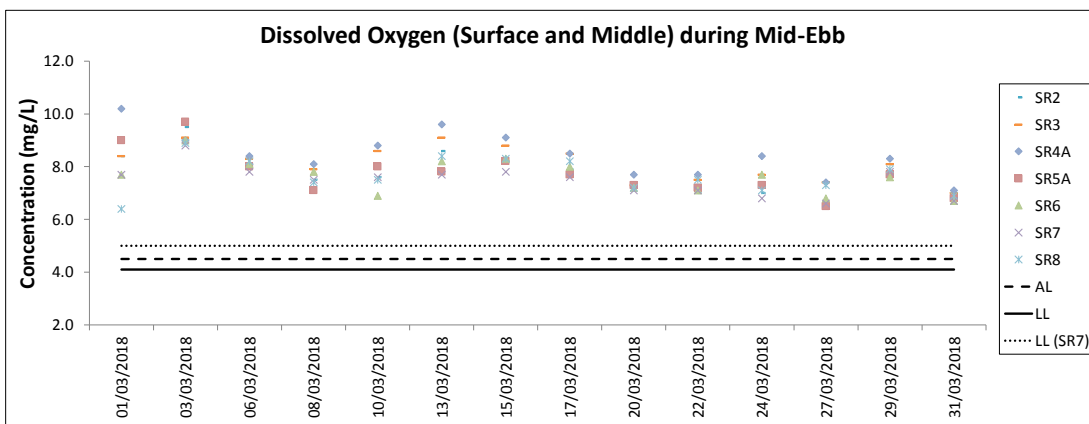
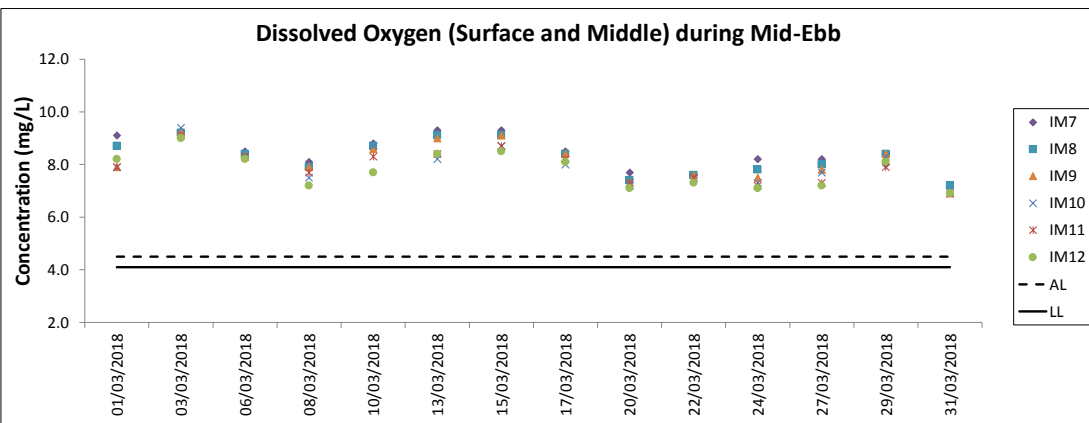
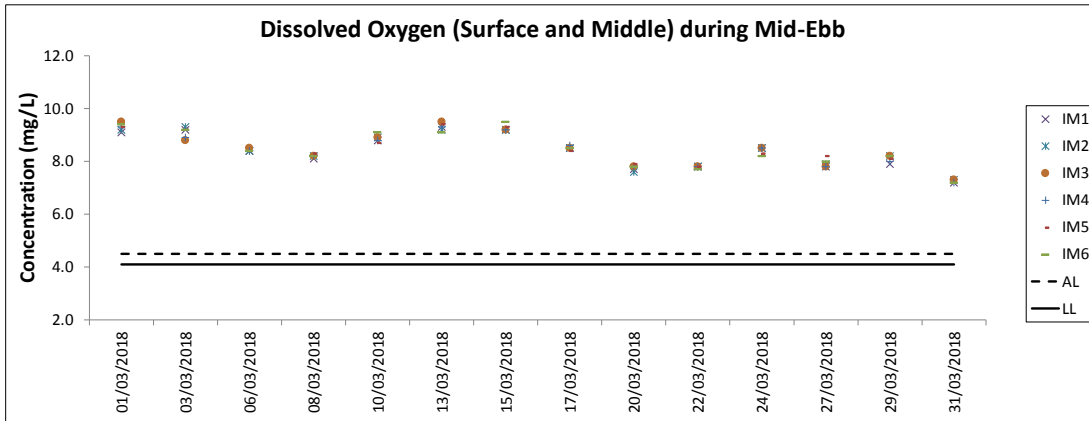
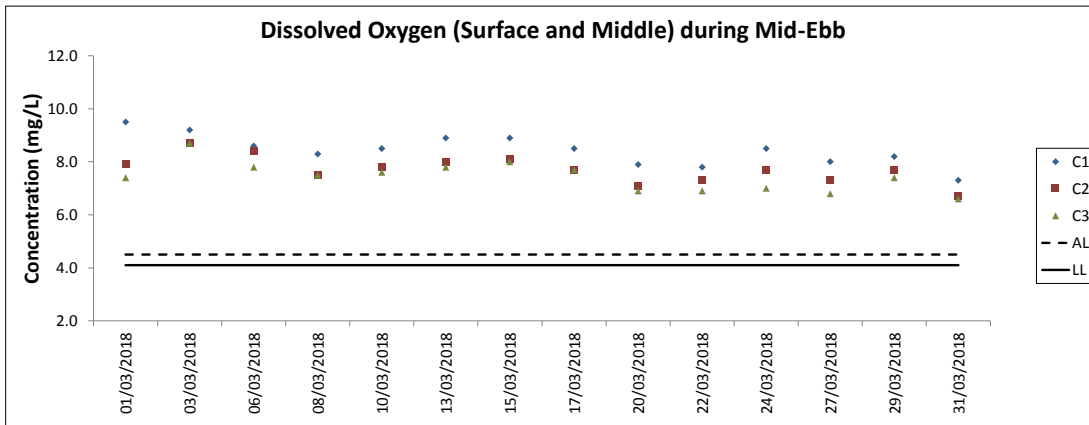
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	07:21	8.3	Surface	1.0	0.5	43	21.5	8.1	8.1	28.2	28.2	94.9	94.9	7.1	7.1	19.7	7.1	14	72	74	815636	804270	<0.2	<0.2	1.2	1.4								
						1.0	0.6	45	21.5	8.1	8.1	28.2	28.2	94.9	94.9	7.1	7.1	19.7	7.1	14	73	74	74	<0.2	<0.2	1.1	1.1									
						4.2	0.6	36	21.4	8.1	8.1	28.7	28.7	94.2	94.2	7.1	7.1	20.3	7.1	16	74	74	74	<0.2	<0.2	1.2	1.1									
					4.2	0.7	39	21.4	8.1	8.1	28.7	28.7	94.2	94.2	7.1	7.1	20.3	7.1	17	74	74	74	<0.2	<0.2	1.5	1.5										
					7.3	0.7	28	21.4	8.1	8.1	28.8	28.8	93.9	93.9	7.0	7.0	21.2	7.0	18	76	74	74	<0.2	<0.2	1.6	1.6										
					7.3	0.7	28	21.4	8.1	8.1	28.8	28.8	93.9	93.9	7.0	7.0	21.2	7.0	19	75	74	74	<0.2	<0.2	1.7	1.7										
C2	Fine	Moderate	08:17	12.3	Surface	1.0	0.6	359	22.0	7.8	7.8	26.0	26.0	86.7	86.7	6.5	6.5	14.3	11	73	75	75	825693	806940	<0.2	<0.2	2.9	2.9								
						1.0	0.7	330	22.0	7.8	7.8	26.0	26.0	86.7	86.7	6.5	6.5	14.5	11	73	75	75	75	<0.2	<0.2	3.0	3.0									
						6.2	0.5	353	21.9	7.8	7.8	26.2	26.2	85.4	85.4	6.4	6.4	16.5	12	75	75	75	75	<0.2	<0.2	2.8	2.8									
					6.2	0.5	325	21.9	7.8	7.8	26.2	26.2	85.4	85.4	6.4	6.4	16.6	13	75	75	75	75	<0.2	<0.2	2.8	2.8										
					11.3	0.4	342	21.9	7.8	7.8	26.4	26.4	85.7	85.7	6.4	6.4	23.8	11	77	77	77	77	<0.2	<0.2	2.8	2.8										
					11.3	0.5	351	21.9	7.8	7.8	26.4	26.4	85.7	85.7	6.4	6.4	23.6	12	77	77	77	77	<0.2	<0.2	3.0	3.0										
C3	Fine	Moderate	06:19	11.3	Surface	1.0	0.7	263	21.9	7.9	7.9	28.2	28.2	91.2	91.3	6.8	6.8	7.4	5	73	75	75	822089	817799	<0.2	<0.2	2.5	2.4								
						1.0	0.8	270	21.9	7.9	7.9	28.2	28.2	91.3	91.3	6.8	6.8	7.4	6	73	75	75	75	<0.2	<0.2	2.4	2.4									
						5.7	0.7	265	21.8	7.9	7.9	29.0	29.0	89.0	89.0	6.6	6.6	10.0	14	75	75	75	75	<0.2	<0.2	2.3	2.3									
					5.7	0.8	265	21.8	7.9	7.9	29.0	29.0	89.0	89.0	6.6	6.6	10.0	15	75	75	75	75	<0.2	<0.2	2.4	2.4										
					10.3	0.5	271	21.7	7.9	7.9	29.4	29.4	89.2	89.2	6.6	6.6	21.4	20	77	77	77	77	<0.2	<0.2	2.4	2.4										
					10.3	0.5	274	21.7	7.9	7.9	29.4	29.4	89.2	89.2	6.6	6.6	21.0	24	77	77	77	77	<0.2	<0.2	2.4	2.4										
IM1	Cloudy	Moderate	07:38	8.2	Surface	1.0	0.6	23	21.8	8.2	8.2	26.3	26.3	93.1	93.1	7.0	7.0	20.2	11	73	74	74	818350	806484	<0.2	<0.2	2.1	2.1								
						1.0	0.6	24	21.8	8.2	8.2	26.3	26.3	93.1	93.1	7.0	7.0	20.2	11	72	74	74	74	<0.2	<0.2	2.1	2.1									
						4.1	0.6	13	21.7	8.2	8.2	27.3	27.3	93.2	93.2	7.0	7.0	18.8	11	74	74	74	74	<0.2	<0.2	2.3	2.3									
					4.1	0.6	14	21.7	8.2	8.2	27.3	27.3	93.2	93.2	7.0	7.0	18.8	11	74	74	74	74	<0.2	<0.2	2.1	2.1										
					7.2	0.5	351	21.5	8.1	8.1	28.2	28.2	92.7	92.7	7.0	7.0	19.2	10	75	75	75	75	<0.2	<0.2	2.0	2.0										
					7.2	0.5	323	21.5	8.1	8.1	28.2	28.2	92.7	92.7	7.0	7.0	19.2	12	75	75	75	75	<0.2	<0.2	2.0	2.0										
IM2	Cloudy	Moderate	07:43	8.2	Surface	1.0	0.6	13	21.8	8.1	8.1	26.4	26.4	92.8	92.8	7.0	7.0	18.3	9	74	74	74	818864	806221	<0.2	<0.2	2.2	2.2								
						1.0	0.7	14	21.8	8.1	8.1	26.4	26.4	92.8	92.8	7.0	7.0	18.3	9	73	74	74	74	<0.2	<0.2	2.2	2.2									
						4.1	0.7	23	21.8	8.1	8.1	26.4	26.4	92.6	92.6	7.0	7.0	18.9	8	73	74	74	74	<0.2	<0.2	2.0	2.0									
					4.1	0.7	23	21.8	8.1	8.1	26.4	26.4	92.6	92.6	7.0	7.0	18.9	10	74	74	74	74	<0.2	<0.2	2.2	2.2										
					7.2	0.5	23	21.7	8.1	8.1	27.4	27.4	92.3	92.3	6.9	6.9	18.2	9	74	74	74	74	<0.2	<0.2	2.2	2.2										
					7.2	0.6	23	21.7	8.1	8.1	27.4	27.4	92.3	92.3	6.9	6.9	18.2	10	75	75	75	75	<0.2	<0.2	2.1	2.1										
IM3	Cloudy	Moderate	07:49	8.4	Surface	1.0	0.1	358	21.8	8.1	8.1	26.4	26.4	92.8	92.8	7.0	7.0	18.7	11	74	74	74	819422	806011	<0.2	<0.2	2.2	2.2								
						1.0	0.1	329	21.8	8.1	8.1	26.4	26.4	92.8	92.8	7.0	7.0	18.7	10	73	74	74	74	<0.2	<0.2	2.2	2.2									
						4.2	0.2	6	21.8	8.1	8.1	26.6	26.6	92.6	92.6	7.0	7.0	19.1	9	74	74	74	74	<0.2	<0.2	2.1	2.1									
					4.2	0.2	6	21.8	8.1	8.1	26.6	26.6	92.6	92.6	7.0	7.0	19.1	12	74	74	74	74	<0.2	<0.2	2.5	2.5										
					7.4	0.0	184	21.8	8.1	8.1	26.7	26.7	92.4	92.4	6.9	6.9	22.0	12	75	75	75	75	<0.2	<0.2	2.3	2.3										
					7.4	0.0	185	21.8	8.1	8.1	26.7	26.7	92.4	92.4	6.9	6.9	22.0	13	76	76	76	76	<0.2	<0.2	2.3	2.3										
IM4	Cloudy	Moderate	08:00	7.3	Surface	1.0	0.7	4	21.8	8.1	8.1	26.9	26.9	93.6	93.6	7.0	7.0	17.4	8	73	74	74	819579	805037	<0.2	<0.2	2.1	2.1								
						1.0	0.7	4	21.8	8.1	8.1	26.9	26.9	93.6	93.6	7.0	7.0	17.4	8	73	74	74	74	<0.2	<0.2	2.2	2.2									
						3.7	0.6	16	21.8	8.1	8.1	27.2	27.2	93.2	93.2	7.0	7.0	17.3	8	74	74	74	74	<0.2	<0.2	2.2	2.2									
					3.7	0.7	17	21.8	8.1	8.1	27.2	27.2	93.2	93.2	7.0	7.0	17.3	9	74	74	74	74	<0.2	<0.2	2.1	2.1										
					6.3	0.5	13	21.8	8.1	8.1	27.2	27.2	93.0	93.0	7.0	7.0	17.0	12	75	75	75	75	<0.2	<0.2	2.0	2.0										
					6.3	0.5	13	21.8	8.1	8.1	27.2	27.2	93.0	93.0	7.0	7.0	17.0	12	75	75	75	75	<0.2	<0.2	2.2	2.2										
IM5	Cloudy	Moderate	08:11	7.0	Surface	1.0	0.6	28	21.8	8.1	8.1	26.4	26.4	92.9	92.9	7.0	7.0	17.0	13	73	74	74	820567	804948	<0.2	<0.2	2.9	2.9								
						1.0	0.6	28	21.8	8.1	8.1	26.4	26.4	92.9	92.9	7.0	7.0	17.0	12	73	74	74	74	<0.2	<0.2	3.1	3.1									
						3.5	0.5	21	21.8	8.1	8.1	26.4	26.4	92.4	92.4	7.0	7.0	17.3	14	74	74	74	74	<0.2	<0.2	3.6	3.6									
					3.5	0.6	21	21.8	8.1	8.1	26.4	26.4	92.3	92.3	6.9	6.9	17.3	13	75	75	75	75	<0.2	<0.2	3.3	3.3										
					6.0	0.4	13	21.9	8.1	8.1	26.4	26.4	92.3	92.3	6.9	6.9	19.5	15	75	75	75	75	<0.2	<0.2	3.3	3.3										
					6.0	0.4	13	21.9	8.1	8.1	26.4	26.4	92.3	92.3	6.9	6.9	19.5	16	76	76	76	76	<0.2	<0.2	3.0	3.0										
IM6	Cloudy	Moderate	08:17	7.3	Surface	1.0	0.3	45	21.9	8.0	8.0	25.8	25.8	90.0	90.0	6.8	6.8	17.5	13	73	74	74	821031	805802	<0.2	<0.2	3.0	3.0								
						1.0	0.4	49	21.9	8.0	8.0	25.8	25.8	90.0	90.0	6.8	6.8	17.5	13	72	74	74	74	<0.2	<0.2	3.1	3.1									
						3.7	0.3	30	21.9	8.0	8.0	25.8	25.8	90.4	90.4	6.8	6.8	18.3	13	73	74	74	74	<0.2	<0.2	3.2	3.2									
					3.7	0.4	30	21.9	8.0	8.0	25.8	25.8	90.4	90.4	6.8																					

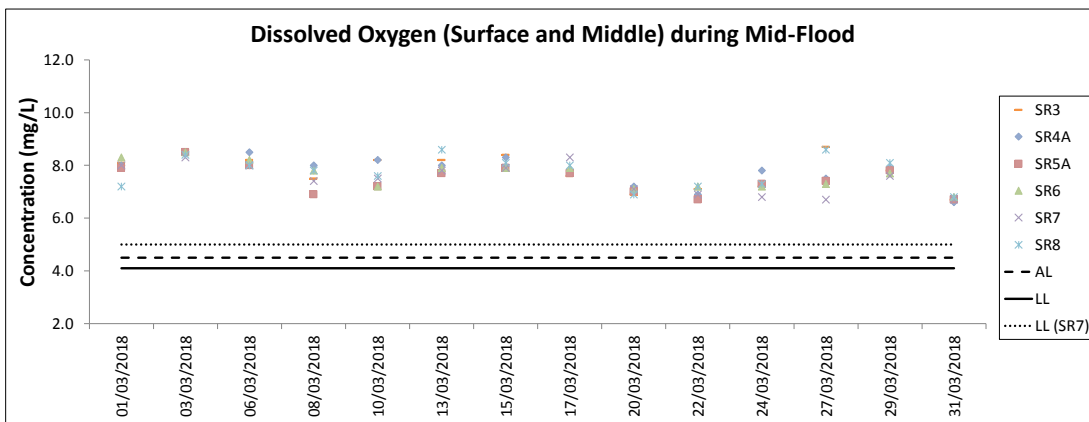
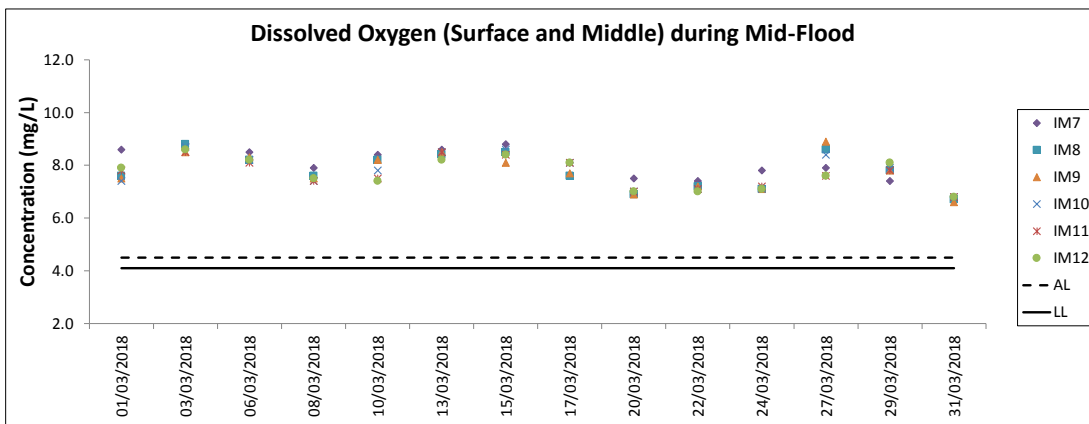
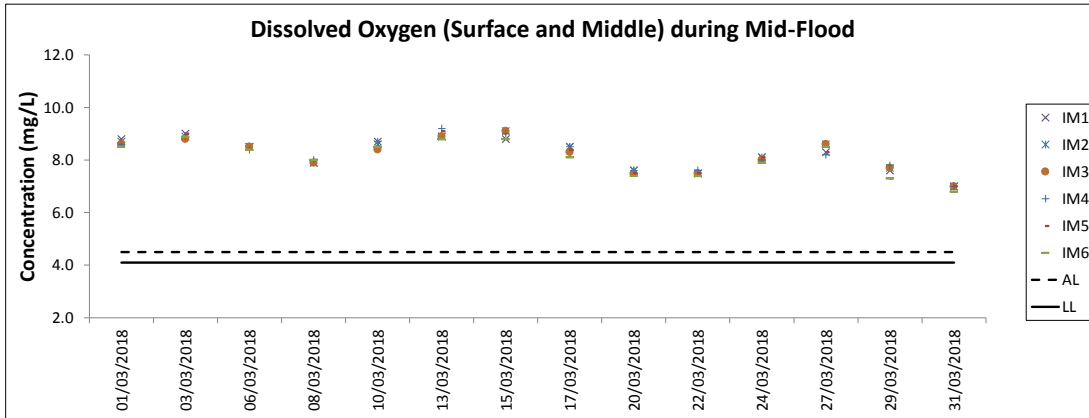
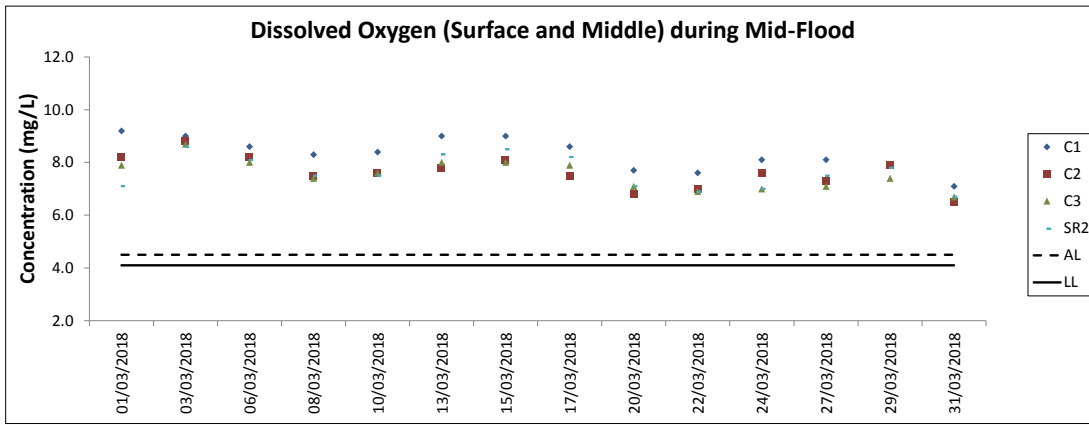
Expansion of Hong Kong International Airport into a Three-Runway System

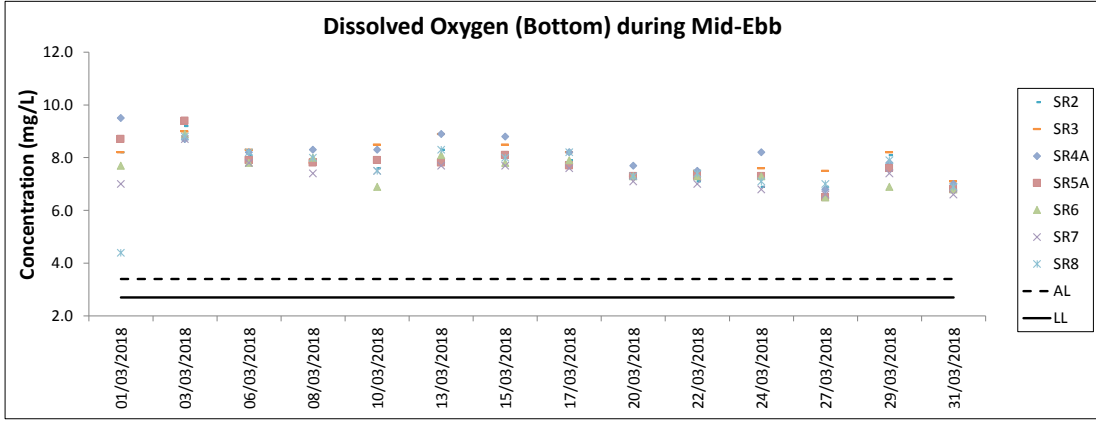
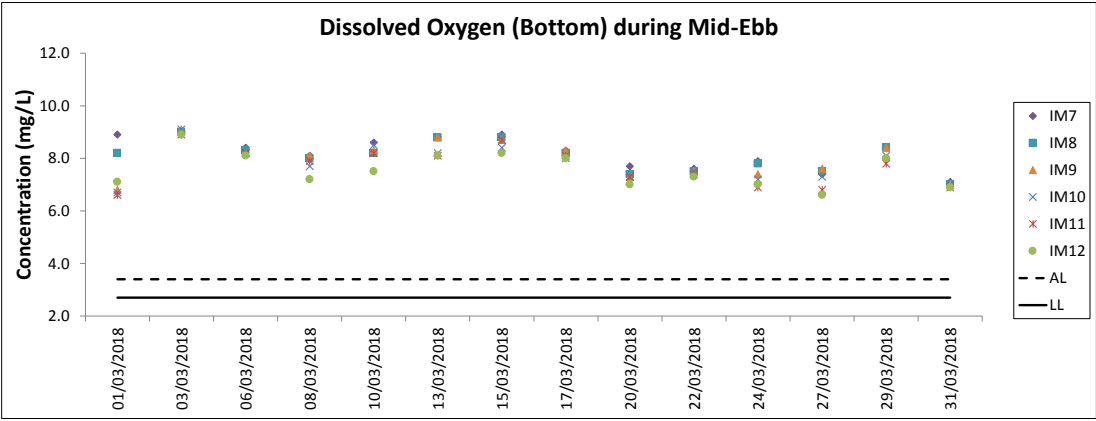
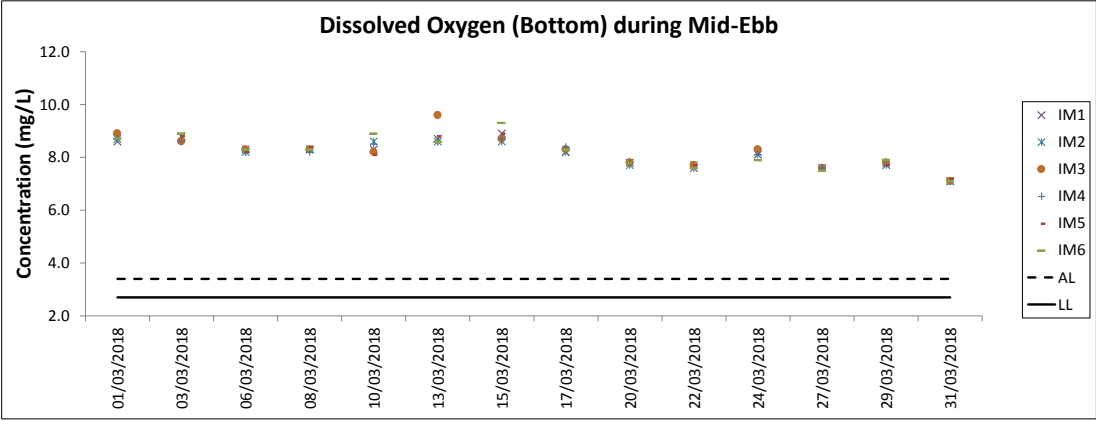
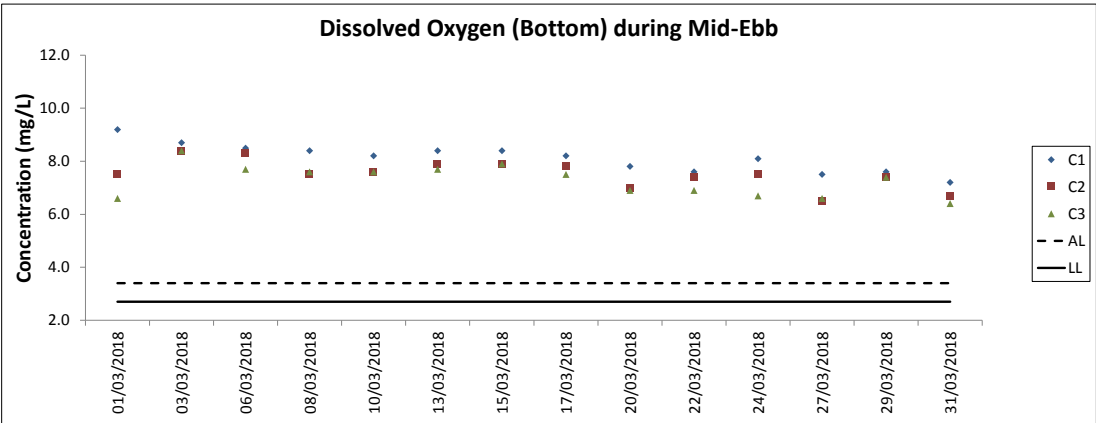
Water Quality Monitoring

Water Quality Monitoring Results on 31 March 18 during Mid-Flood Tide

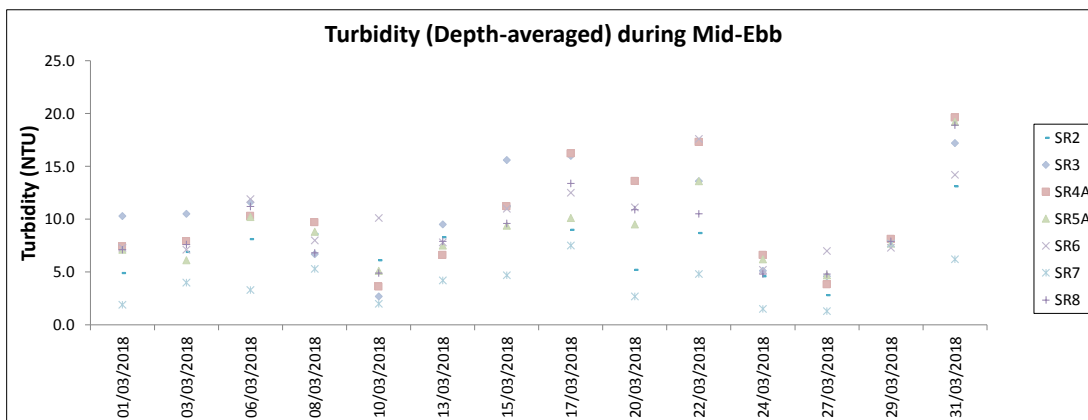
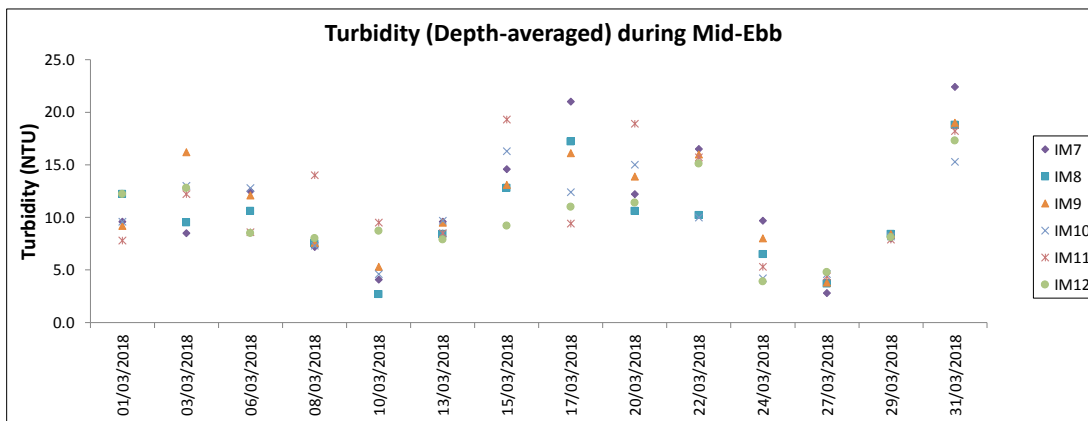
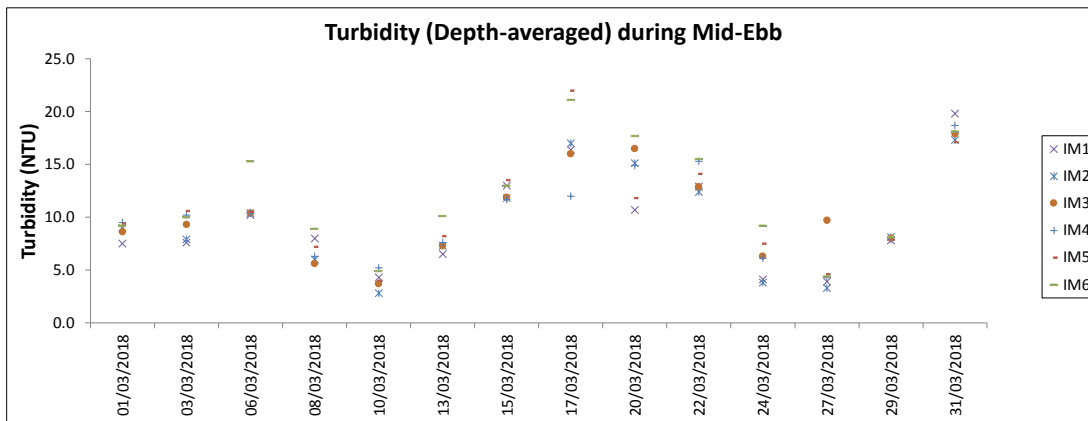
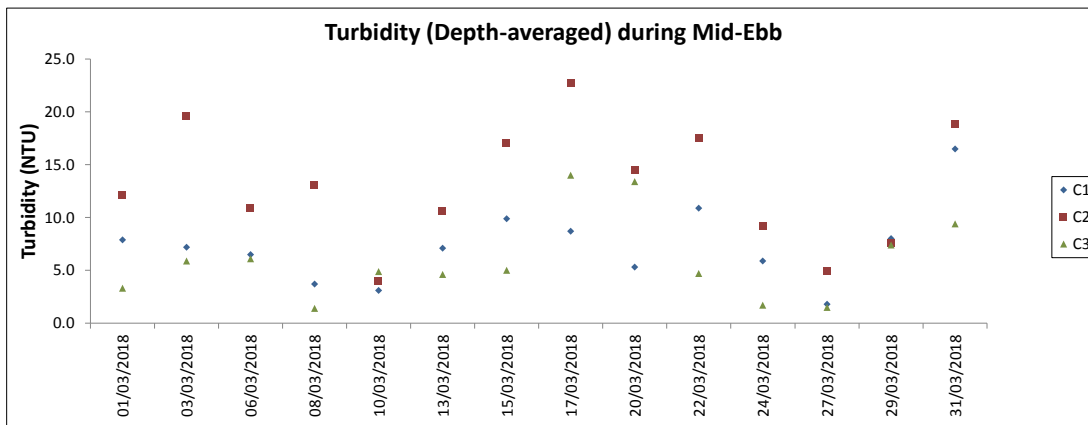
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	07:44	7.6	Surface	1.0	0.3	347	21.9	21.9	8.0	8.0	27.2	27.2	88.7	88.7	6.6	6.6	17.3	19.8	14	73	75	822101	808804	<0.2	2.1	<0.2	2.1							
						1.0	0.3	319	21.9		8.0	8.0	27.2	27.2	88.7	88.7	6.6		17.5		12	73				<0.2	1.9									
					Middle	3.8	0.3	334	21.9	21.9	8.0	8.0	27.2	27.2	88.7	88.7	6.6	6.6	19.5	13	75	<0.2				2.1										
						3.8	0.3	335	21.9		8.0	8.0	27.2	27.2	88.7	88.7	6.6		19.6	13	75	<0.2				2.0										
					Bottom	6.6	0.3	332	21.9	21.9	8.0	8.0	27.2	27.2	88.5	88.5	6.6	6.6	22.8	13	75	<0.2				2.2										
						6.6	0.3	347	21.9		8.0	8.0	27.2	27.2	88.5	88.5	6.6		22.3	13	77	<0.2				2.2										
IM10	Fine	Moderate	07:35	7.9	Surface	1.0	0.5	312	21.9	21.9	8.0	8.0	28.1	28.1	91.3	91.3	6.8	6.8	14.6	18.2	13	74	75	822249	809856	<0.2	2.0	<0.2	2.2							
						1.0	0.5	335	21.9		8.0	8.0	28.1	28.1	91.3	91.3	6.8		14.6		12	73				<0.2	2.2									
					Middle	4.0	0.5	317	21.9	21.9	8.0	8.0	28.2	28.2	90.8	90.8	6.8	6.8	16.8	12	75	<0.2				2.0										
						4.0	0.5	338	21.9		8.0	8.0	28.2	28.2	90.8	90.8	6.8		16.8	14	75	<0.2				2.1										
					Bottom	6.9	0.4	317	21.9	21.9	8.0	8.0	28.1	28.1	90.7	90.7	6.7	6.7	23.3	14	77	<0.2				2.1										
						6.9	0.4	318	21.9		8.0	8.0	28.2	28.1	90.7	90.7	6.7		23.2	14	77	<0.2				2.1										
IM11	Fine	Moderate	07:20	7.7	Surface	1.0	0.6	301	22.0	22.0	8.0	8.0	28.3	28.3	91.0	91.0	6.8	6.8	16.7	21.0	22	73	75	821482	810543	<0.2	2.1	<0.2	2.1							
						1.0	0.6	301	22.0		8.0	8.0	28.3	28.3	91.0	91.0	6.8		16.8		22	73				<0.2	2.1									
					Middle	3.9	0.5	300	22.0	22.0	8.0	8.0	28.3	28.3	90.9	91.0	6.8	6.8	20.6	22	75	<0.2				2.1										
						3.9	0.5	313	22.0		8.0	8.0	28.3	28.3	91.0	91.0	6.8		20.6	20	75	<0.2				2.0										
					Bottom	6.7	0.5	297	22.0	22.0	8.0	8.0	28.3	28.3	91.3	91.4	6.8	6.8	25.4	20	77	<0.2				2.0										
						6.7	0.5	298	22.0		8.0	8.0	28.3	28.3	91.4	91.4	6.8		25.5	21	77	<0.2				2.0										
IM12	Fine	Moderate	07:11	7.8	Surface	1.0	0.7	279	21.8	21.8	8.0	8.0	28.3	28.3	91.2	91.2	6.8	6.8	12.5	18.4	21	74	75	821160	811512	<0.2	2.0	<0.2	1.9							
						1.0	0.7	284	21.8		8.0	8.0	28.3	28.3	91.2	91.2	6.8		12.3		22	73				<0.2	1.9									
					Middle	3.9	0.6	280	21.8	21.8	8.0	8.0	28.5	28.5	90.4	90.4	6.7	6.7	18.6	22	75	<0.2				2.0										
						3.9	0.7	289	21.8		8.0	8.0	28.5	28.5	90.4	90.4	6.7		18.7	20	75	<0.2				1.9										
					Bottom	6.8	0.5	285	21.8	21.8	8.0	8.0	28.5	28.5	91.1	91.2	6.8	6.8	24.5	21	77	<0.2				2.1										
						6.8	0.6	287	21.8		8.0	8.0	28.5	28.5	91.2	91.2	6.8		24.0	21	77	<0.2				1.9										
SR2	Fine	Moderate	06:41	3.6	Surface	1.0	0.4	51	21.9	21.9	7.9	7.9	28.1	28.1	90.6	90.6	6.7	6.7	14.2	16.5	12	73	75	821471	814179	<0.2	2.2	<0.2	2.5							
						1.0	0.4	54	21.9		7.9	7.9	28.1	28.1	90.5	90.6	6.7		14.5		11	74				<0.2	2.5									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			-	-	-	-	-	-	-
						-	-	-	-		-	-	-	-	-	-	-		-	-	-	-				-	-			-	-	-	-	-	-	-
					Bottom	2.6	0.4	50	21.9	21.9	7.9	7.9	28.1	28.1	90.6	90.6	6.8	6.8	18.7	13	75	<0.2				2.3										
						2.6	0.4	51	21.9		7.9	7.9	28.1	28.1	90.6	90.6	6.8		18.7	12	76	<0.2				2.3										
SR3	Fine	Moderate	08:00	9.0	Surface	1.0	0.5	39	21.9	21.9	7.9	7.9	26.2	26.2	88.6	88.7	6.7	6.7	18.4	21.4	12	-	-	822163	807541	-	-	-	-							
						1.0	0.5	41	21.9		7.9	7.9	26.2	26.2	88.7	88.7	6.7		18.6		11	-				-										
					Middle	4.5	0.6	17	21.8	21.8	8.0	8.0	27.9	27.9	90.2	90.2	6.7	6.7	20.4	11	-	-				-	-									
						4.5	0.6	18	21.8		8.0	8.0	27.9	27.9	90.2	90.2	6.7		20.6	11	-	-														
					Bottom	8.0	0.5	16	21.7	21.7	8.0	8.0	28.7	28.7	90.7	90.7	6.8	6.8	25.1	11	-	-				-	-									
						8.0	0.5	16	21.7		8.0	8.0	28.7	28.7	90.7	90.7	6.8		25.1	12	-	-														
SR4A	Cloudy	Calm	07:00	8.3	Surface	1.0	0.2	240	22.3	22.3	8.1	8.1	27.0	27.0	88.5	88.5	6.6	6.6	16.5	18.2	12	-	-	817202	807822	-	-	-	-							
						1.0	0.2	248	22.3		8.1	8.1	27.0	27.0	88.5	88.5	6.6		16.5		12	-														
					Middle	4.2	0.1	244	22.2	22.2	8.1	8.1	27.1	27.1	88.2	88.2	6.6	6.6	19.0	13	-	-				-	-									
						4.2	0.1	254	22.2		8.1	8.1	27.1	27.1	88.2	88.2	6.6		19.0	13	-	-														
					Bottom	7.3	0.1	302	22.1	22.1	8.1	8.1	27.1	27.1	88.6	88.6	6.6	6.6	19.2	12	-	-				-	-									
						7.3	0.1	302	22.1		8.1	8.1	27.1	27.1	88.6	88.6	6.6		19.2	13	-	-														
SR5A	Cloudy	Calm	06:45	4.7	Surface	1.0	0.4	285	22.2	22.2	8.1	8.1	26.8	26.8	89.8	89.8	6.7	6.7	18.8	18.1	10	-	-	816614	810706	-	-	-	-							
						1.0	0.4	293	22.2		8.1	8.1	26.8	26.8	89.8	89.8	6.7		18.8		11	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-									
						-	-	-	-		-	-	-	-	-	-	-		-	-	-	-				-										
					Bottom	3.7	0.3	292	22.3	22.3	8.1	8.1	26.8	26.8	90.1	90.1	6.7	6.7	17.4	10	-	-				-	-									
						3.7	0.4	299	22.3		8.1	8.1	26.8	26.8	90.1	90.1	6.7		17.4	10	-	-														
SR6	Cloudy	Calm	06:17	3.6	Surface	1.0	0.2	243	21.8	21.8	8.0	8.0	26.8	26.8	90.9	90.9	6.8	6.8	15.9	15.4	9	-	-	817901	814646	-	-	-	-							
						1.0	0.2	259	21.8		8.0	8.0	26.8	26.8	90.9	90.9	6.8		15.9		10	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-									
						-	-	-	-		-	-	-	-	-	-	-		-	-	-	-				-										
					Bottom	2.6	0.2	250	21.9	21.9	8.0	8.0	26.8	26.8	92.2	92.2	6.9	6.9	14.8	10	-	-				-	-									
						2.6	0.2	262	21.9		8.0	8.0	26.8	26.8	92.2	92.2	6.9		14.8	10	-	-														
SR7	Fine	Moderate	05:51	18.8	Surface	1.0	0.4	318	21.8	21.8	7.9	7.9	28.7	28.7	90.8	90.8	6.8	6.8	6.6	10.1	5	-	-	823619	823739	-	-	-	-							
						1.0	0.4	331	21.8		7.9	7.9	28.7	28.7	90.8	90.8	6.8		6.7		4	-														
					Middle	9.4	0.4	-	21.7	21.7	7.9	7.9	29.3	29.3	89.5	89.5	6.6	6.6	11.2	5	-	-				-	-									
						9.4	0.4	-	21.7		7.9	7.9	29.3	29.3	89.5	89.5	6.6		11.4	6	-	-														
					Bottom	17.8	0.4	10	21.7	21.7	7.9	7.9	29.4	29.4	90.3	90.4	6.7	6.7	12.2	5	-	-				-	-									
						17.8	0.5	10	21.7		7.9	7.9	29.4	29.4	90.4	90.4	6.7		12.2	6	-	-														
SR8	Fine	Moderate	07:03	3.9	Surface	1.0	-	-	22.0	22.0	8.0	8.0	28.1	28.1	91.5	91.5	6.8	6.8	15.9	20.1	10	-	-	820246	811418	-	-	-	-							





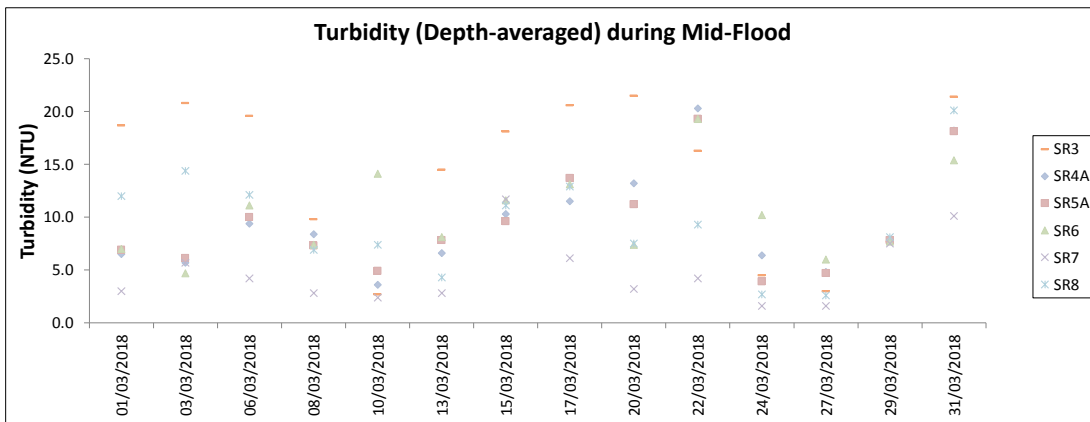
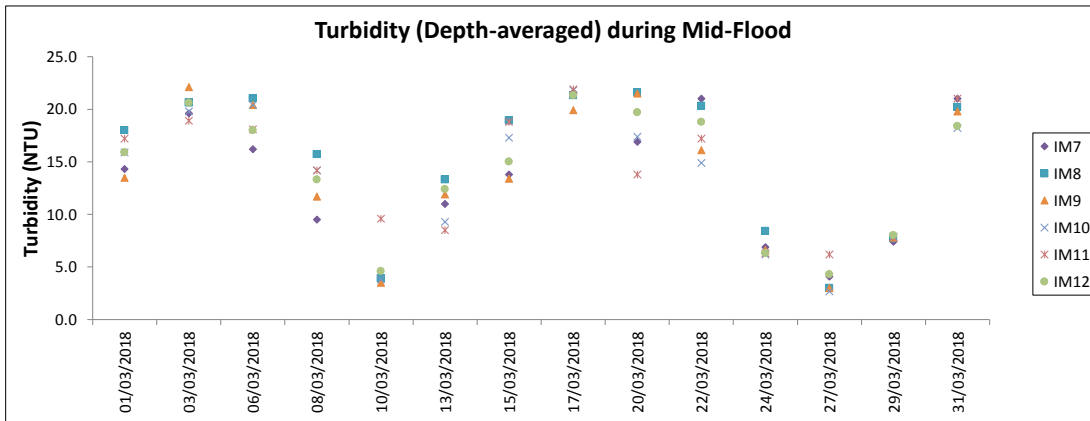
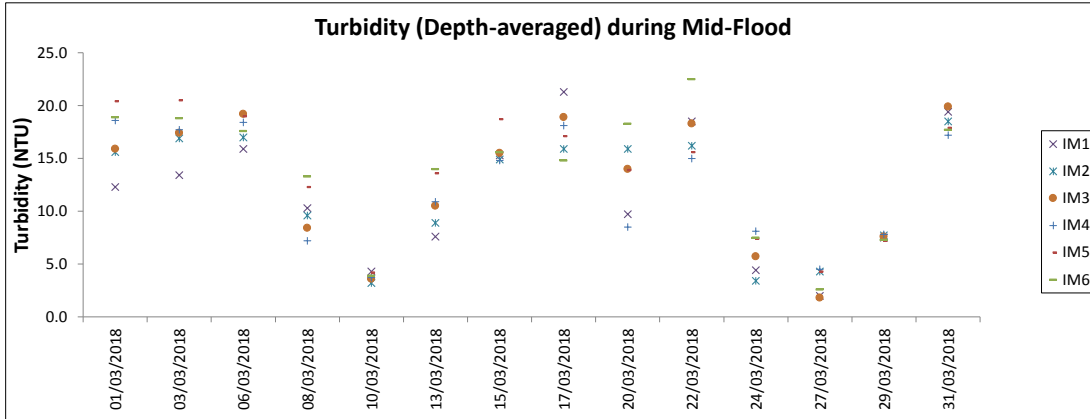
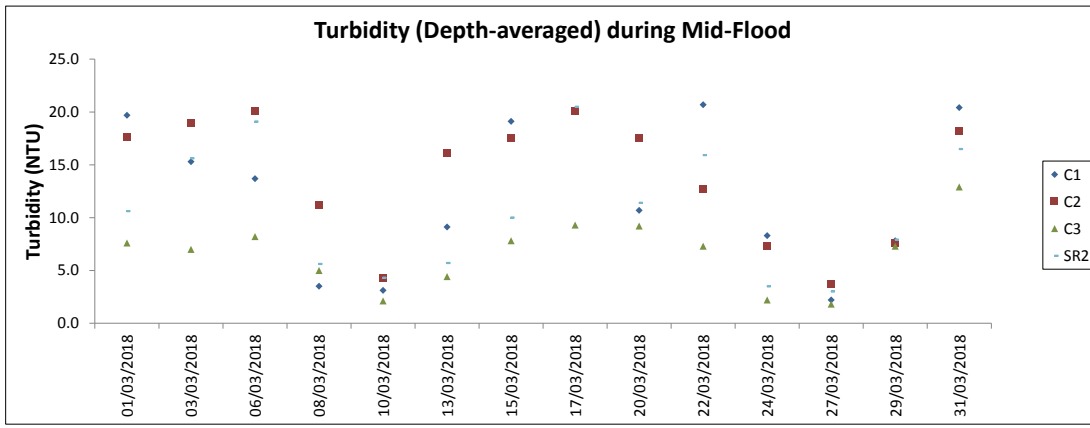




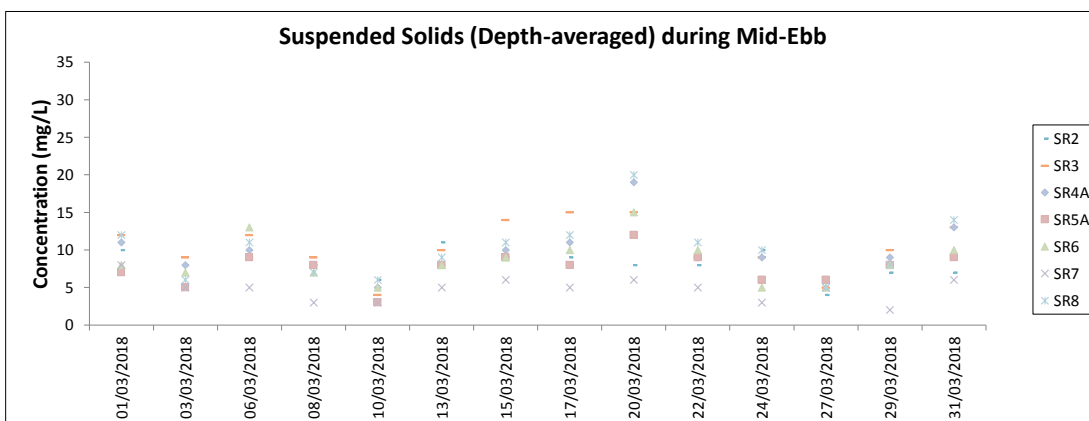
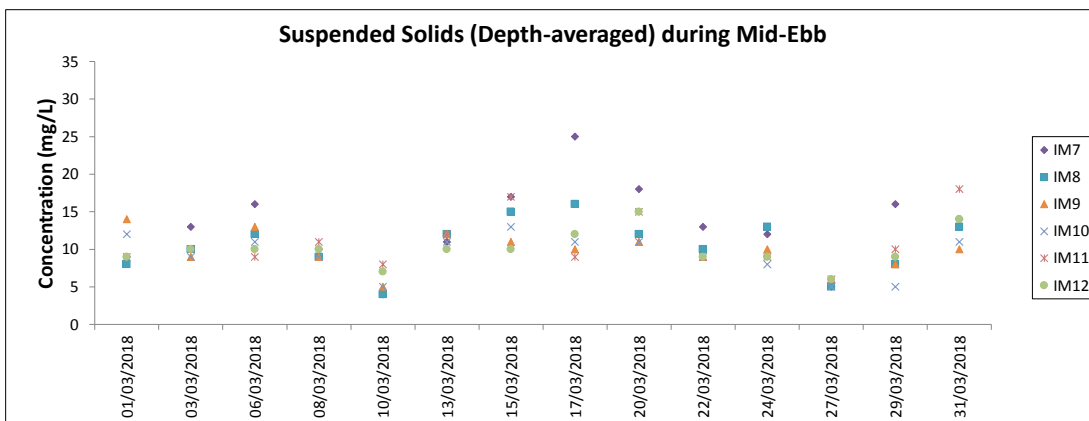
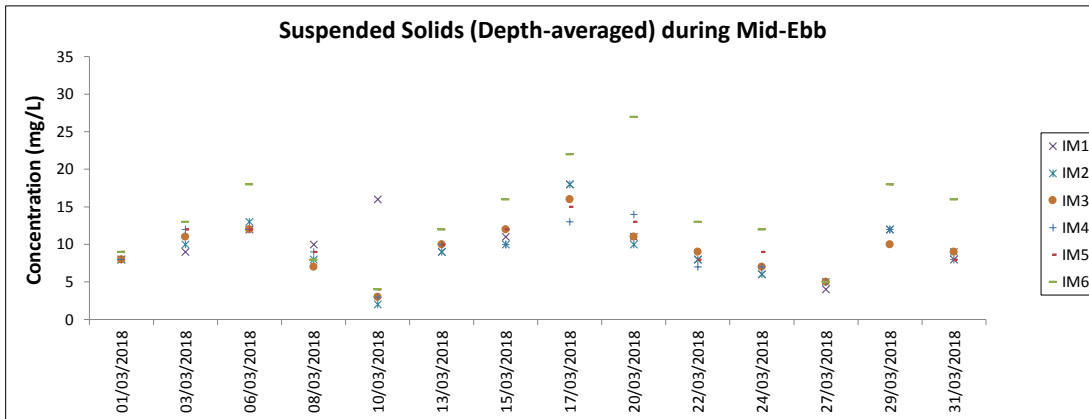
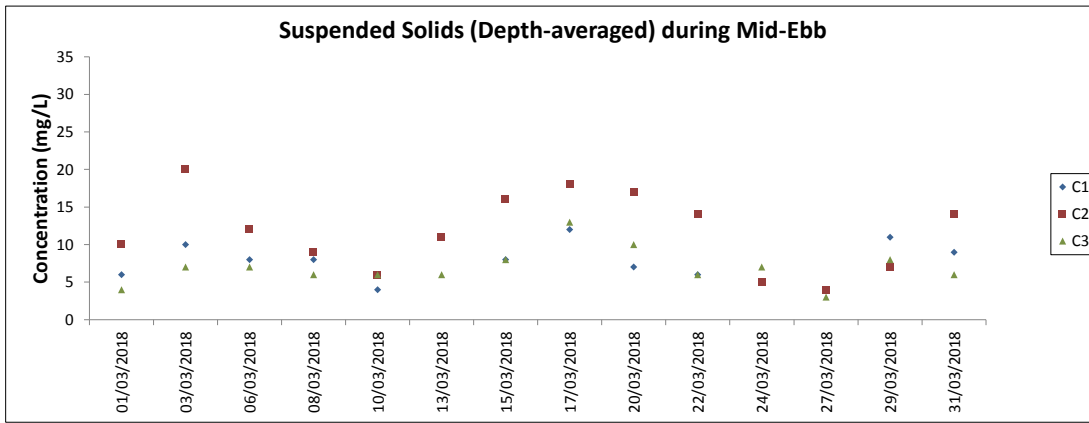


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

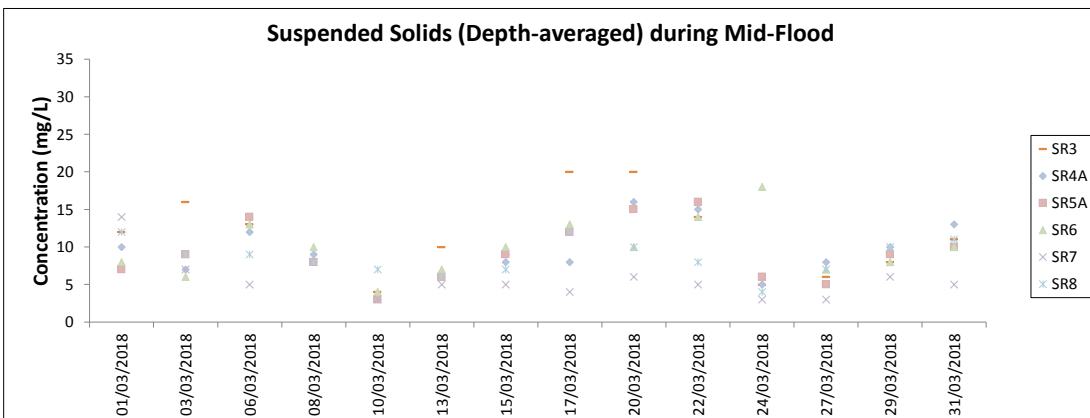
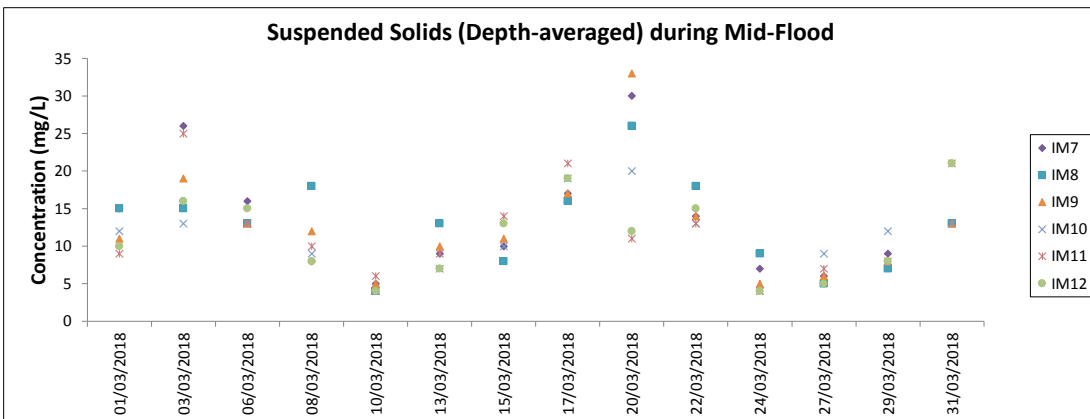
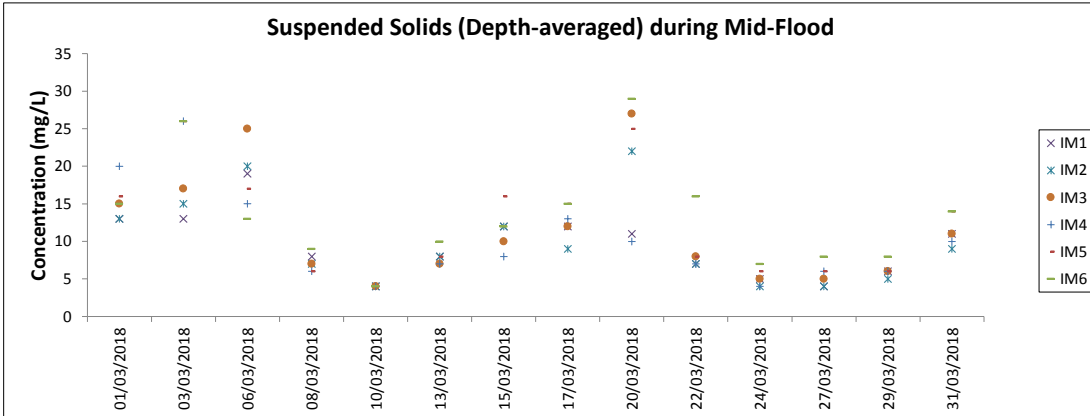
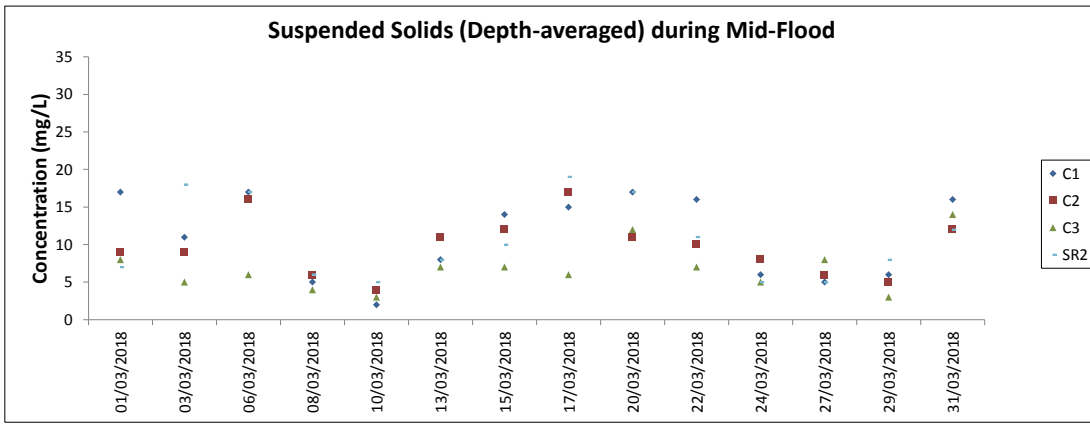




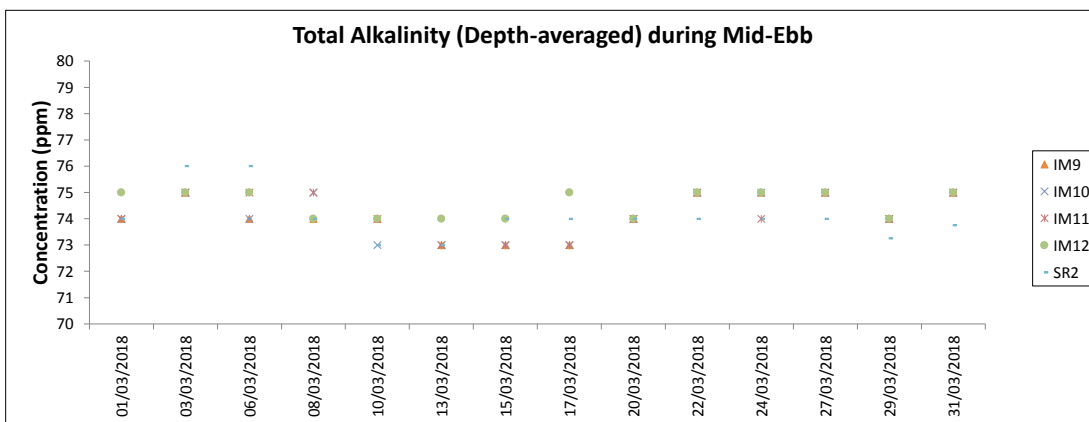
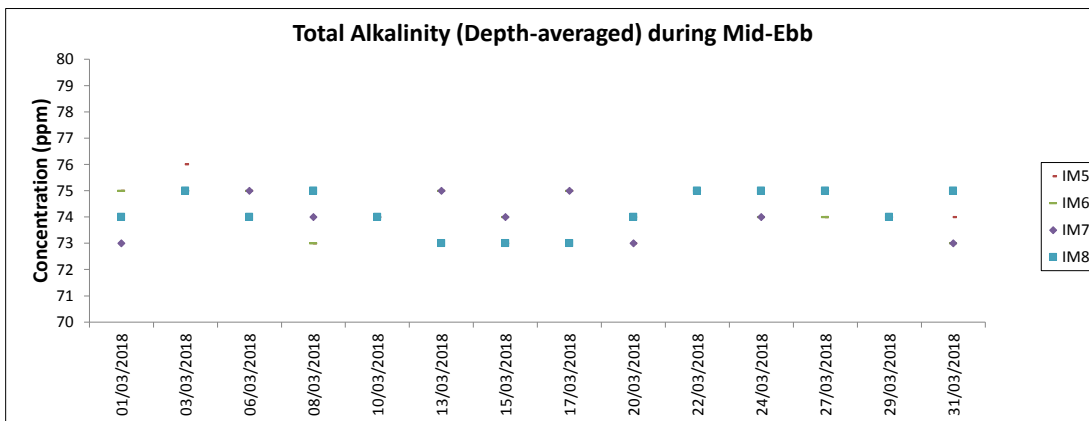
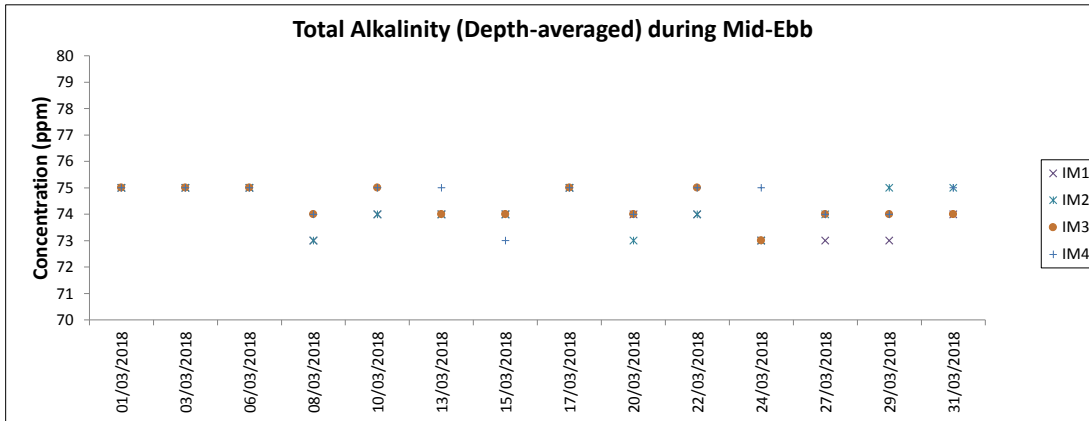
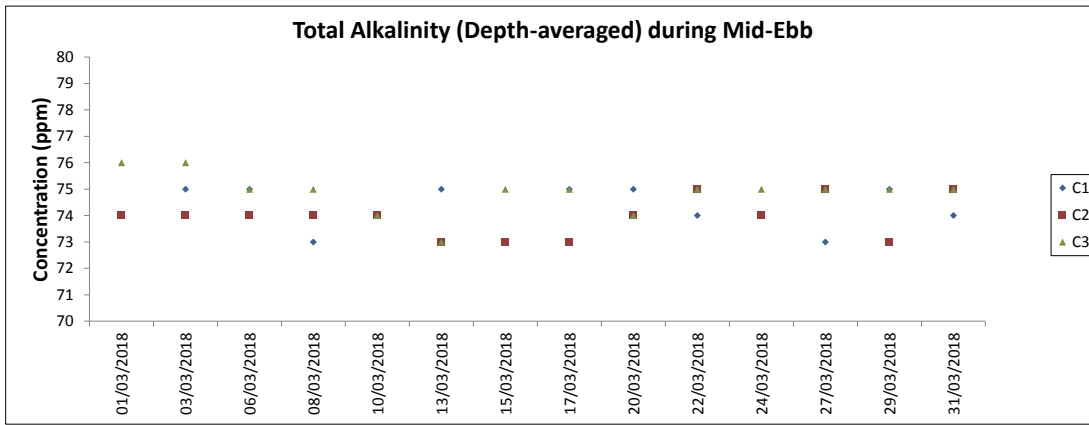
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



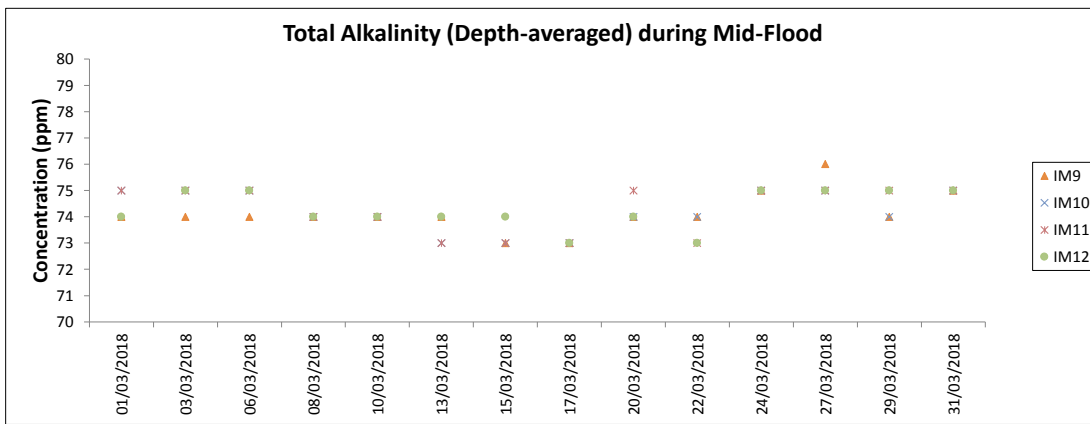
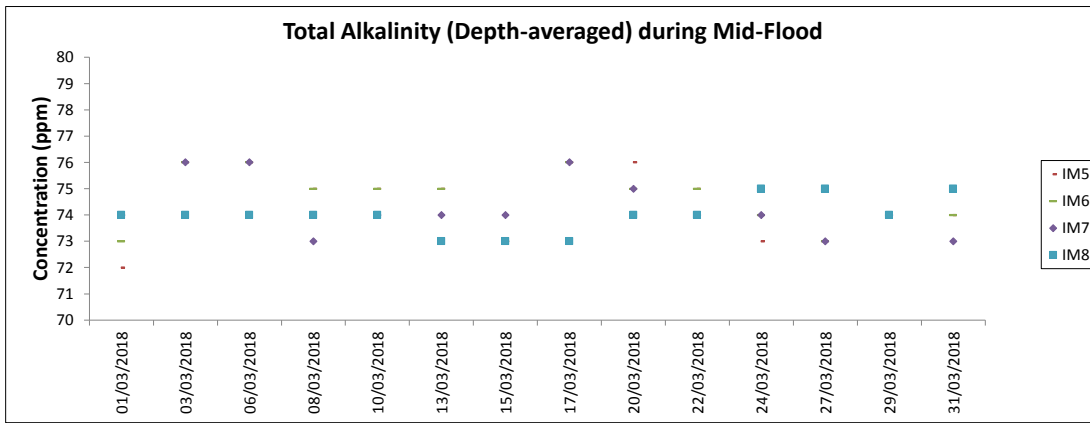
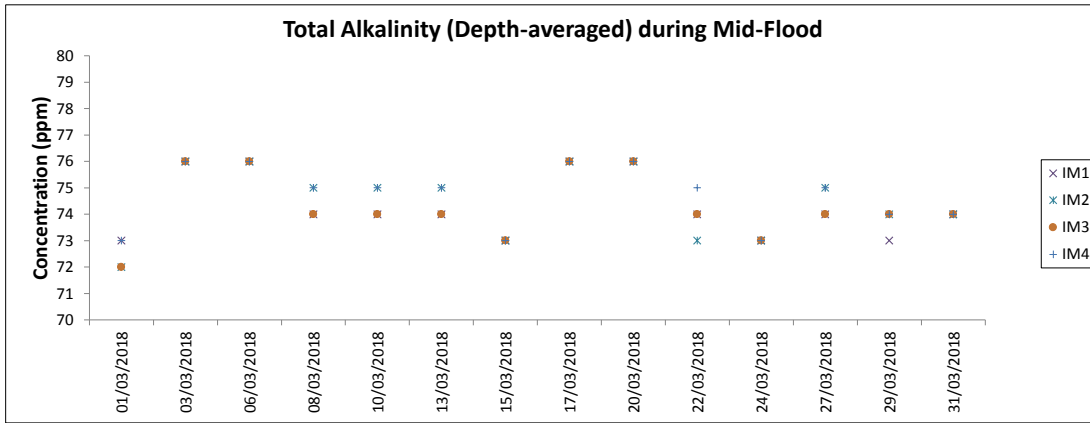
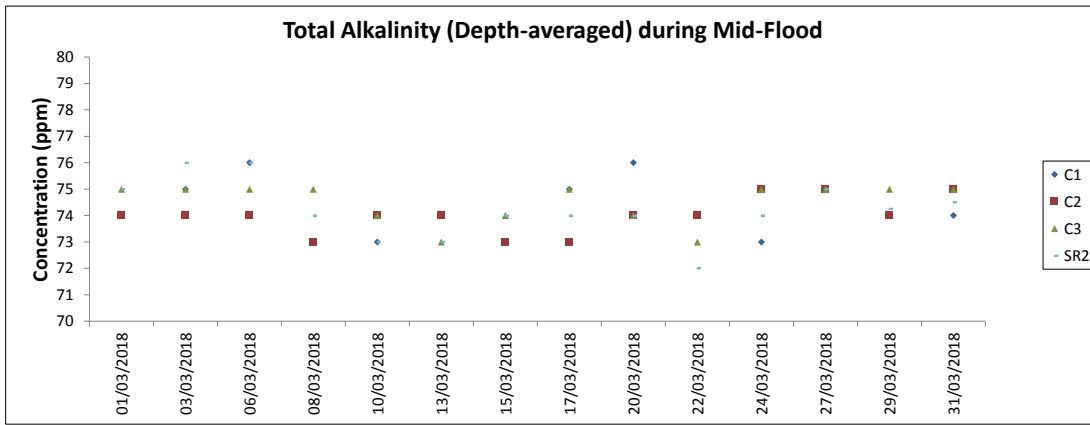
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



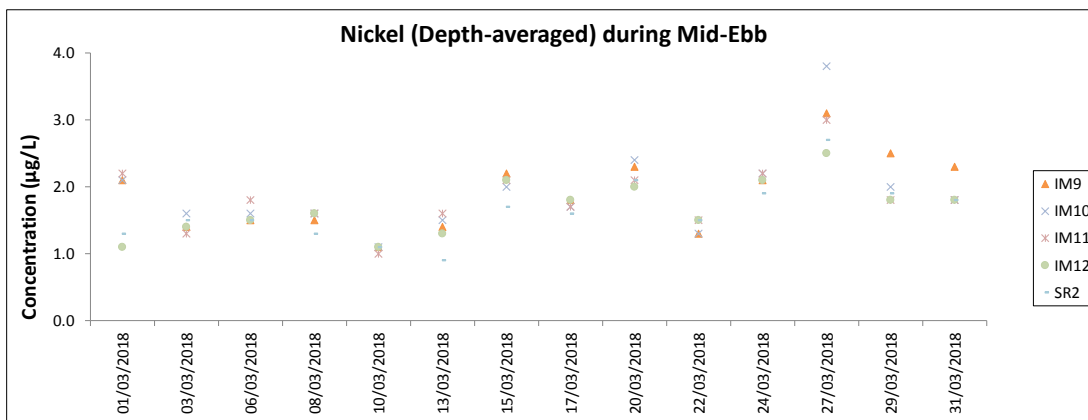
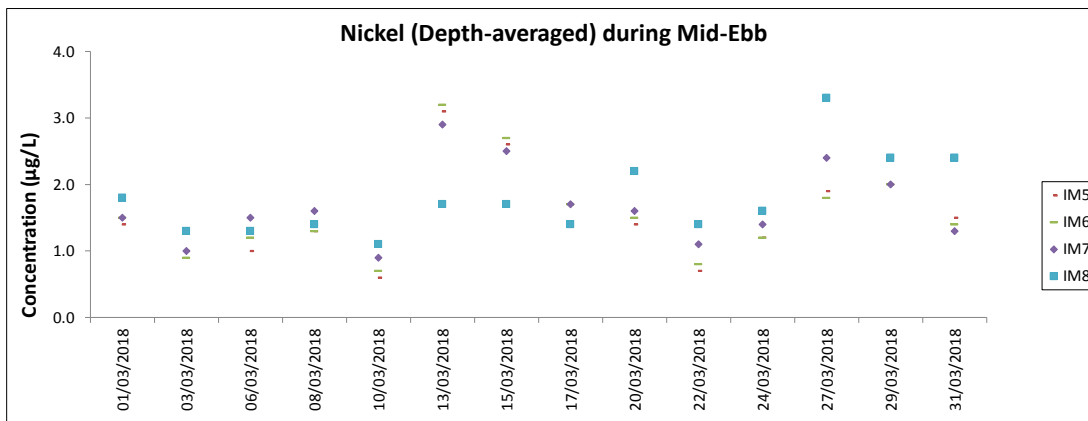
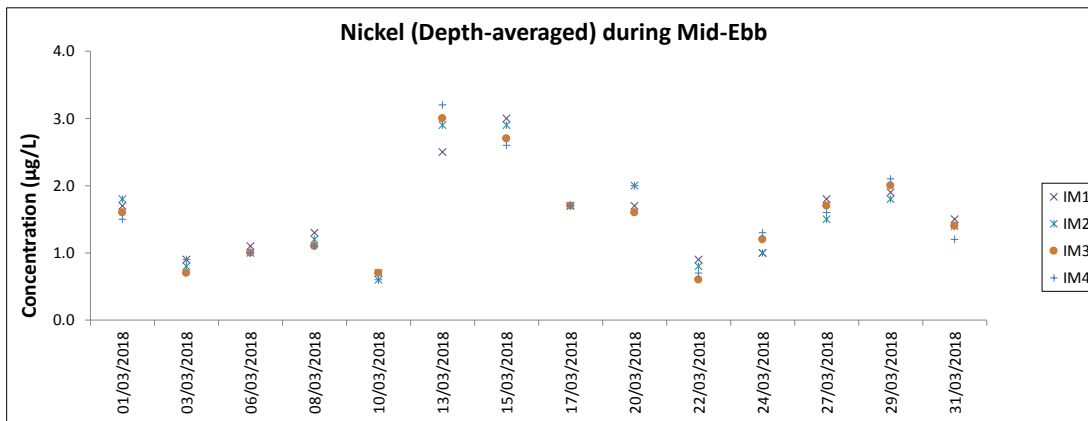
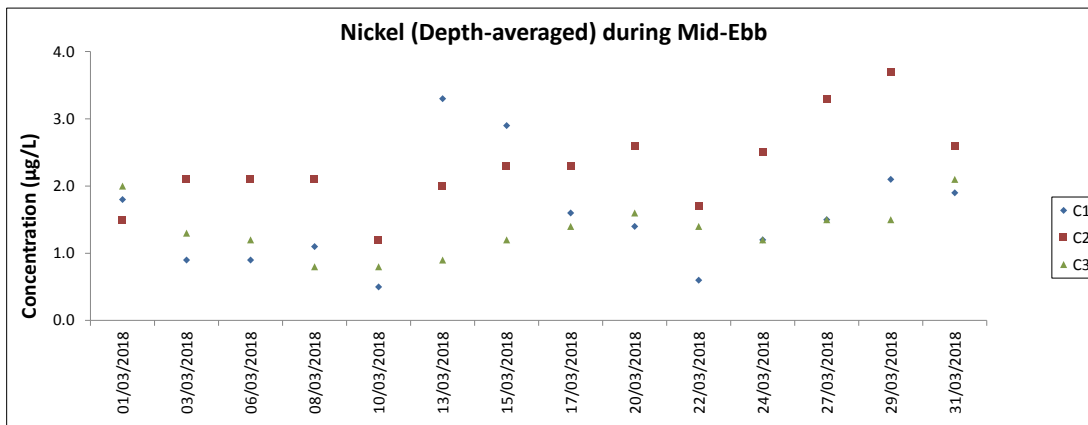
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



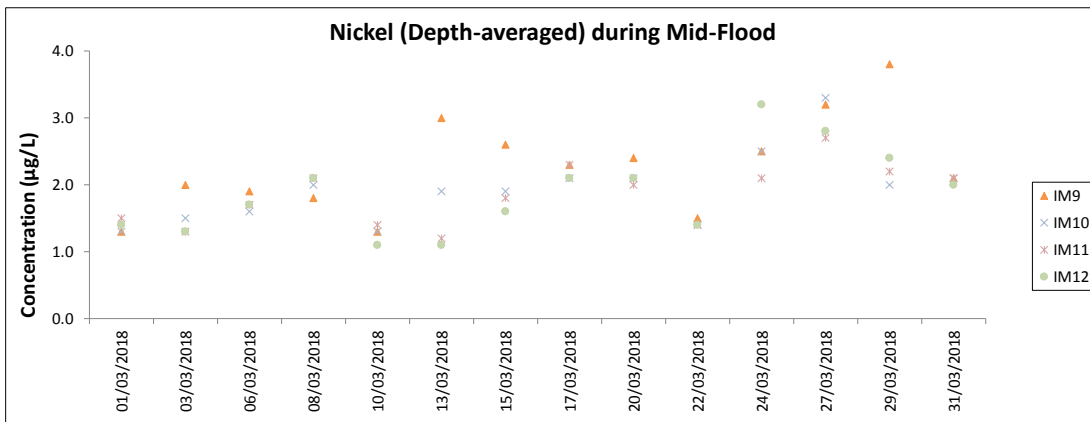
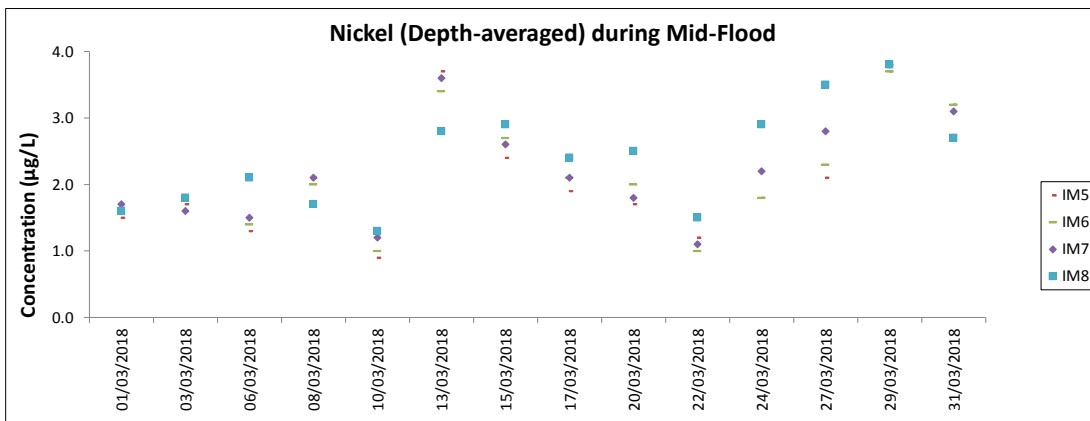
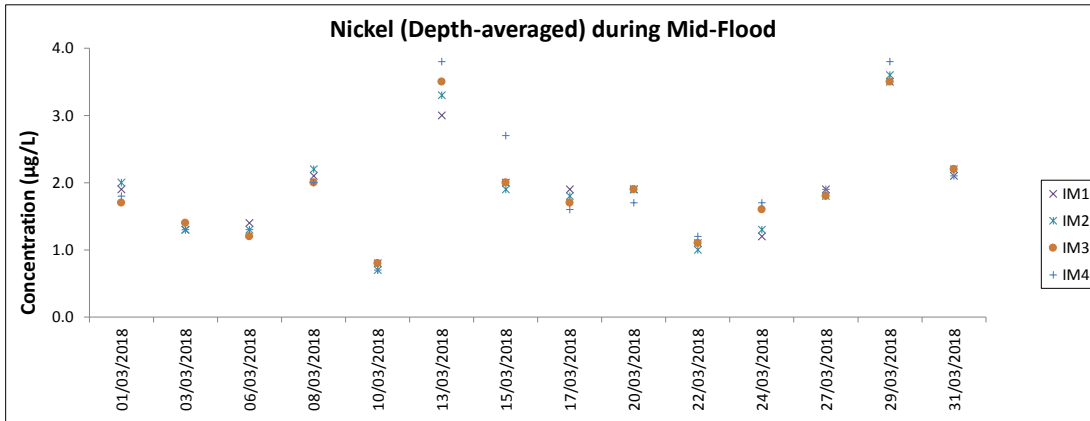
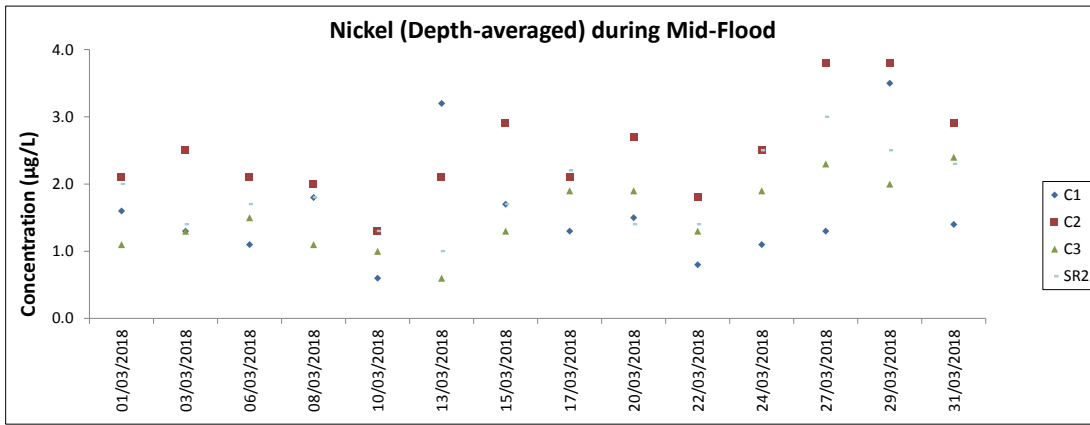
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.  
 All chromium results in the reporting period were below the reporting limit 0.2 µg/L.



Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.  
All chromium results in the reporting period were below the reporting limit 0.2 µg/L.

## **Chinese White Dolphin Monitoring Results**



## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
08-Jan-18	SWL	2	1.780	WINTER	32166	3RS ET
08-Jan-18	SWL	3	15.124	WINTER	32166	3RS ET
08-Jan-18	SWL	4	17.100	WINTER	32166	3RS ET
10-Jan-18	NEL	2	7.314	WINTER	32166	3RS ET
10-Jan-18	NEL	3	36.486	WINTER	32166	3RS ET
10-Jan-18	NEL	4	2.800	WINTER	32166	3RS ET
11-Jan-18	NEL	2	21.000	WINTER	32166	3RS ET
11-Jan-18	NEL	3	24.500	WINTER	32166	3RS ET
11-Jan-18	NEL	4	1.900	WINTER	32166	3RS ET
15-Jan-18	AW	2	4.691	WINTER	32166	3RS ET
15-Jan-18	WL	2	32.670	WINTER	32166	3RS ET
15-Jan-18	SWL	2	1.020	WINTER	32166	3RS ET
15-Jan-18	SWL	3	9.910	WINTER	32166	3RS ET
15-Jan-18	SWL	4	1.590	WINTER	32166	3RS ET
16-Jan-18	AW	2	4.820	WINTER	32166	3RS ET
16-Jan-18	WL	2	3.719	WINTER	32166	3RS ET
16-Jan-18	WL	3	29.681	WINTER	32166	3RS ET
16-Jan-18	SWL	2	14.580	WINTER	32166	3RS ET
16-Jan-18	SWL	3	14.510	WINTER	32166	3RS ET
17-Jan-18	SWL	1	12.768	WINTER	32166	3RS ET
17-Jan-18	SWL	2	38.865	WINTER	32166	3RS ET
17-Jan-18	SWL	3	9.180	WINTER	32166	3RS ET
17-Jan-18	SWL	4	1.600	WINTER	32166	3RS ET
18-Jan-18	NWL	1	6.510	WINTER	32166	3RS ET
18-Jan-18	NWL	2	66.180	WINTER	32166	3RS ET
18-Jan-18	NWL	3	1.200	WINTER	32166	3RS ET
19-Jan-18	NWL	1	2.700	WINTER	32166	3RS ET
19-Jan-18	NWL	2	68.300	WINTER	32166	3RS ET
19-Jan-18	NWL	3	3.700	WINTER	32166	3RS ET
06-Feb-18	NWL	2	10.500	WINTER	32166	3RS ET
06-Feb-18	NWL	3	51.794	WINTER	32166	3RS ET
06-Feb-18	NWL	4	13.389	WINTER	32166	3RS ET
07-Feb-18	NEL	1	9.800	WINTER	32166	3RS ET
07-Feb-18	NEL	2	37.100	WINTER	32166	3RS ET
12-Feb-18	NWL	2	7.850	WINTER	32166	3RS ET
12-Feb-18	NWL	3	62.380	WINTER	32166	3RS ET
12-Feb-18	NWL	4	4.890	WINTER	32166	3RS ET
13-Feb-18	AW	2	4.800	WINTER	32166	3RS ET
13-Feb-18	WL	2	17.744	WINTER	32166	3RS ET
13-Feb-18	WL	3	9.140	WINTER	32166	3RS ET
13-Feb-18	WL	4	5.970	WINTER	32166	3RS ET
13-Feb-18	SWL	5	6.830	WINTER	32166	3RS ET
14-Feb-18	AW	2	4.620	WINTER	32166	3RS ET
14-Feb-18	WL	2	27.499	WINTER	32166	3RS ET
14-Feb-18	WL	3	2.810	WINTER	32166	3RS ET
14-Feb-18	WL	4	1.420	WINTER	32166	3RS ET
14-Feb-18	SWL	4	6.860	WINTER	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
21-Feb-18	SWL	2	28.770	WINTER	32166	3RS ET
21-Feb-18	SWL	3	25.830	WINTER	32166	3RS ET
21-Feb-18	SWL	4	7.600	WINTER	32166	3RS ET
22-Feb-18	NEL	2	8.700	WINTER	32166	3RS ET
22-Feb-18	NEL	3	36.900	WINTER	32166	3RS ET
22-Feb-18	NEL	4	1.300	WINTER	32166	3RS ET
23-Feb-18	SWL	2	1.640	WINTER	32166	3RS ET
23-Feb-18	SWL	3	60.860	WINTER	32166	3RS ET
05-Mar-18	SWL	1	40.540	SPRING	32166	3RS ET
05-Mar-18	SWL	2	21.840	SPRING	32166	3RS ET
07-Mar-18	NEL	2	6.660	SPRING	32166	3RS ET
07-Mar-18	NEL	3	29.130	SPRING	32166	3RS ET
07-Mar-18	NEL	4	11.510	SPRING	32166	3RS ET
08-Mar-18	NEL	2	25.549	SPRING	32166	3RS ET
08-Mar-18	NEL	3	21.251	SPRING	32166	3RS ET
12-Mar-18	AW	2	1.070	SPRING	32166	3RS ET
12-Mar-18	AW	3	3.660	SPRING	32166	3RS ET
12-Mar-18	WL	2	32.876	SPRING	32166	3RS ET
12-Mar-18	WL	3	0.550	SPRING	32166	3RS ET
12-Mar-18	SWL	2	1.970	SPRING	32166	3RS ET
12-Mar-18	SWL	3	14.329	SPRING	32166	3RS ET
12-Mar-18	SWL	4	2.130	SPRING	32166	3RS ET
13-Mar-18	AW	1	4.700	SPRING	32166	3RS ET
13-Mar-18	WL	2	22.370	SPRING	32166	3RS ET
13-Mar-18	WL	3	9.417	SPRING	32166	3RS ET
13-Mar-18	WL	4	1.643	SPRING	32166	3RS ET
13-Mar-18	SWL	3	6.820	SPRING	32166	3RS ET
14-Mar-18	NWL	2	59.690	SPRING	32166	3RS ET
14-Mar-18	NWL	3	14.666	SPRING	32166	3RS ET
21-Mar-18	SWL	2	16.139	SPRING	32166	3RS ET
21-Mar-18	SWL	3	10.311	SPRING	32166	3RS ET
21-Mar-18	SWL	4	23.030	SPRING	32166	3RS ET
22-Mar-18	NWL	2	34.844	SPRING	32166	3RS ET
22-Mar-18	NWL	3	37.876	SPRING	32166	3RS ET

## Notes:

CWD monitoring survey data of the two preceding survey months (i.e. January and February 2018) are presented for reference only.

## CWD Small Vessel Line-transect Survey

## Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
08-Jan-18	1	1019	CWD	5	SWL	2	30	ON	3RS ET	22.2153	113.9359	WINTER	PURSE SEINE
15-Jan-18	1	0949	CWD	11	AW	2	72	ON	3RS ET	22.2896	113.8777	WINTER	NONE
15-Jan-18	2	1048	CWD	2	WL	2	147	ON	3RS ET	22.2938	113.8616	WINTER	NONE
15-Jan-18	3	1128	CWD	13	WL	2	817	ON	3RS ET	22.2602	113.8400	WINTER	GILLNET
15-Jan-18	4	1217	CWD	2	WL	2	206	ON	3RS ET	22.2418	113.8359	WINTER	GILLNET
15-Jan-18	5	1242	CWD	3	WL	2	309	ON	3RS ET	22.2281	113.8377	WINTER	NONE
15-Jan-18	6	1316	CWD	2	WL	2	65	ON	3RS ET	22.2145	113.8313	WINTER	NONE
15-Jan-18	7	1335	CWD	6	WL	2	281	ON	3RS ET	22.2053	113.8346	WINTER	NONE
15-Jan-18	8	1405	CWD	9	WL	2	179	ON	3RS ET	22.1958	113.8350	WINTER	NONE
15-Jan-18	9	1432	CWD	3	WL	2	5	ON	3RS ET	22.1873	113.8318	WINTER	NONE
15-Jan-18	10	1453	CWD	2	SWL	2	248	ON	3RS ET	22.1841	113.8501	WINTER	NONE
16-Jan-18	1	0944	CWD	1	AW	2	79	ON	3RS ET	22.2880	113.8842	WINTER	NONE
16-Jan-18	2	1032	CWD	2	WL	3	74	ON	3RS ET	22.2687	113.8541	WINTER	NONE
16-Jan-18	3	1448	CWD	1	SWL	2	191	ON	3RS ET	22.1746	113.8975	WINTER	NONE
17-Jan-18	1	1045	FP	2	SWL	2	813	ON	3RS ET	22.1681	113.9359	WINTER	NONE
17-Jan-18	2	1057	FP	1	SWL	2	N/A	OFF	3RS ET	22.1529	113.9358	WINTER	NONE
17-Jan-18	3	1106	FP	1	SWL	1	372	ON	3RS ET	22.1437	113.9272	WINTER	NONE
17-Jan-18	4	1152	FP	1	SWL	2	140	ON	3RS ET	22.1835	113.9203	WINTER	NONE
17-Jan-18	5	1244	CWD	2	SWL	2	43	ON	3RS ET	22.1907	113.9078	WINTER	NONE
17-Jan-18	6	1457	CWD	1	SWL	2	149	ON	3RS ET	22.1874	113.8683	WINTER	NONE
17-Jan-18	7	1512	CWD	6	SWL	2	533	ON	3RS ET	22.1937	113.8687	WINTER	NONE
18-Jan-18	1	0933	CWD	4	NWL	2	451	ON	3RS ET	22.4000	113.8681	WINTER	NONE
18-Jan-18	2	1017	CWD	4	NWL	1	362	ON	3RS ET	22.3321	113.8689	WINTER	NONE
18-Jan-18	3	1044	CWD	4	NWL	2	221	ON	3RS ET	22.3129	113.8680	WINTER	NONE
18-Jan-18	4	1121	CWD	1	NWL	2	120	ON	3RS ET	22.2809	113.8782	WINTER	NONE
18-Jan-18	5	1135	CWD	2	NWL	2	56	ON	3RS ET	22.2934	113.8780	WINTER	NONE
06-Feb-18	1	1043	CWD	2	NWL	3	N/A	OFF	3RS ET	22.2784	113.8777	WINTER	GILLNET
06-Feb-18	2	1058	CWD	1	NWL	3	80	ON	3RS ET	22.2829	113.8785	WINTER	NONE
06-Feb-18	3	1153	CWD	5	NWL	3	75	ON	3RS ET	22.3720	113.8771	WINTER	NONE
06-Feb-18	4	1523	CWD	2	NWL	2	N/A	OFF	3RS ET	22.3304	113.9495	WINTER	NONE
12-Feb-18	1	1121	CWD	2	NWL	3	76	ON	3RS ET	22.3384	113.8781	WINTER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
12-Feb-18	2	1153	CWD	7	NWL	2	80	ON	3RS ET	22.3709	113.8768	WINTER	NONE
12-Feb-18	3	1240	CWD	3	NWL	3	345	ON	3RS ET	22.4121	113.8780	WINTER	NONE
12-Feb-18	4	1348	CWD	3	NWL	3	114	ON	3RS ET	22.3460	113.8981	WINTER	NONE
13-Feb-18	1	0943	CWD	3	AW	2	548	ON	3RS ET	22.2917	113.8745	WINTER	NONE
13-Feb-18	2	1011	CWD	1	AW	2	N/A	OFF	3RS ET	22.2879	113.8838	WINTER	NONE
13-Feb-18	3	1052	CWD	1	WL	2	366	ON	3RS ET	22.2686	113.8559	WINTER	NONE
13-Feb-18	4	1115	CWD	3	WL	2	475	ON	3RS ET	22.2604	113.8491	WINTER	NONE
13-Feb-18	5	1141	CWD	4	WL	2	392	ON	3RS ET	22.2604	113.8445	WINTER	NONE
13-Feb-18	6	1158	CWD	1	WL	2	47	ON	3RS ET	22.2605	113.8419	WINTER	NONE
13-Feb-18	7	1212	CWD	4	WL	2	200	ON	3RS ET	22.2504	113.8388	WINTER	NONE
13-Feb-18	8	1248	CWD	2	WL	2	456	ON	3RS ET	22.2375	113.8262	WINTER	NONE
14-Feb-18	1	0931	CWD	1	AW	2	11	ON	3RS ET	22.3019	113.8813	WINTER	NONE
14-Feb-18	2	0944	CWD	5	AW	2	638	ON	3RS ET	22.2951	113.8805	WINTER	NONE
14-Feb-18	3	1020	CWD	5	WL	2	269	ON	3RS ET	22.3031	113.8611	WINTER	NONE
14-Feb-18	4	1035	CWD	4	WL	2	231	ON	3RS ET	22.2937	113.8616	WINTER	GILLNET
14-Feb-18	5	1058	CWD	1	WL	3	761	ON	3RS ET	22.2751	113.8494	WINTER	NONE
14-Feb-18	6	1156	CWD	1	WL	2	71	ON	3RS ET	22.2415	113.8386	WINTER	NONE
14-Feb-18	7	1211	CWD	4	WL	2	6	ON	3RS ET	22.2416	113.8352	WINTER	NONE
14-Feb-18	8	1256	CWD	5	WL	2	110	ON	3RS ET	22.2140	113.8237	WINTER	NONE
23-Feb-18	1	1222	CWD	1	SWL	3	8	ON	3RS ET	22.1759	113.9072	WINTER	NONE
05-Mar-18	1	1328	FP	2	SWL	2	58	ON	3RS ET	22.1574	113.8973	SPRING	NONE
05-Mar-18	2	1338	FP	2	SWL	2	145	ON	3RS ET	22.1484	113.8941	SPRING	NONE
05-Mar-18	3	1454	FP	3	SWL	2	103	ON	3RS ET	22.1824	113.8685	SPRING	NONE
12-Mar-18	1	1146	CWD	10	WL	2	122	ON	3RS ET	22.2076	113.8396	SPRING	NONE
12-Mar-18	2	1208	CWD	2	WL	2	17	ON	3RS ET	22.2053	113.8384	SPRING	NONE
12-Mar-18	3	1412	CWD	1	SWL	3	164	ON	3RS ET	22.1995	113.8784	SPRING	NONE
13-Mar-18	1	1037	CWD	2	WL	2	56	ON	3RS ET	22.2666	113.8596	SPRING	NONE
13-Mar-18	2	1128	CWD	1	WL	2	140	ON	3RS ET	22.2348	113.8251	SPRING	NONE
13-Mar-18	3	1205	CWD	5	WL	2	384	ON	3RS ET	22.2231	113.8195	SPRING	NONE
13-Mar-18	4	1244	CWD	1	WL	4	12	ON	3RS ET	22.2143	113.8273	SPRING	NONE
13-Mar-18	5	1324	CWD	1	WL	2	36	ON	3RS ET	22.1961	113.8406	SPRING	NONE
14-Mar-18	1	1000	CWD	2	NWL	2	65	ON	3RS ET	22.3539	113.8689	SPRING	NONE
14-Mar-18	2	1013	CWD	2	NWL	2	335	ON	3RS ET	22.3431	113.8687	SPRING	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
14-Mar-18	3	1126	CWD	2	NWL	2	N/A	OFF	3RS ET	22.3245	113.8729	SPRING	NONE
14-Mar-18	4	1208	CWD	4	NWL	2	57	ON	3RS ET	22.3912	113.8785	SPRING	NONE
14-Mar-18	5	1253	CWD	1	NWL	3	587	ON	3RS ET	22.3824	113.8888	SPRING	NONE
14-Mar-18	6	1310	CWD	2	NWL	3	13	ON	3RS ET	22.3837	113.8887	SPRING	NONE
21-Mar-18	1	1050	FP	4	SWL	2	59	ON	3RS ET	22.1486	113.9340	SPRING	NONE
21-Mar-18	2	1106	FP	1	SWL	2	201	ON	3RS ET	22.1599	113.9272	SPRING	NONE
21-Mar-18	3	1111	FP	2	SWL	2	262	ON	3RS ET	22.1658	113.9272	SPRING	NONE
21-Mar-18	4	1202	FP	1	SWL	2	30	ON	3RS ET	22.1453	113.9176	SPRING	NONE
21-Mar-18	5	1311	FP	1	SWL	4	225	ON	3RS ET	22.1641	113.8975	SPRING	NONE
22-Mar-18	1	1219	CWD	6	NWL	3	981	ON	3RS ET	22.3840	113.8774	SPRING	PURSE SEINE
22-Mar-18	2	1305	CWD	2	NWL	3	579	ON	3RS ET	22.3952	113.8893	SPRING	NONE
22-Mar-18	3	1418	CWD	1	NWL	2	50	ON	3RS ET	22.3780	113.8980	SPRING	NONE
22-Mar-18	4	1454	CWD	1	NWL	2	51	ON	3RS ET	22.3760	113.9062	SPRING	NONE

Abbreviations: STG# = Sighting Number; GP SZ = Dolphin Group Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance (in metres); N/A = Not Applicable; DEC LAT = Latitude (WGS84 in Decimal), DEC LON = Longitude (WGS84 in Decimal); BOAT ASSOC. = Fishing Boat Association

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. January and February 2018) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report.

Sighting data of finless porpoise (FP) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report. All FP sightings are excluded in calculation.

Calculation of the March 2018 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 416.258 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 16 on-effort sightings and total number of 43 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in March 2018 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in March 2018

$$STG = \frac{16}{416.258} \times 100 = 3.84$$

Encounter Rate by Number of Dolphins (ANI) in March 2018

$$ANI = \frac{43}{416.258} \times 100 = 10.33$$

Calculation of the running quarterly STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 1256.203 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 60 on-effort sightings and total number of 195 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

Running Quarterly Encounter Rate by Number of Dolphin Sightings (STG)









$$STG = \frac{60}{1256.203} \times 100 = 4.78$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

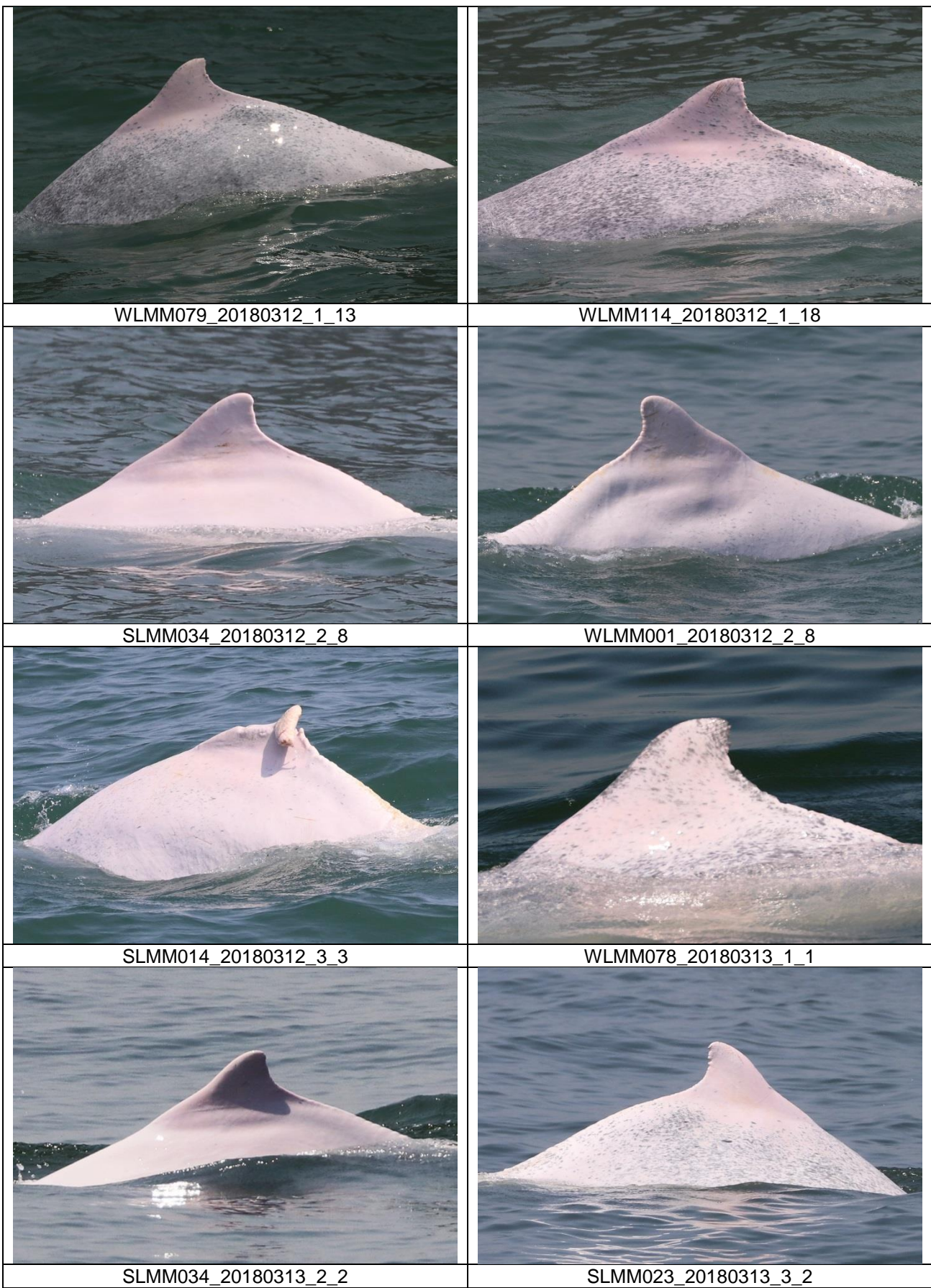
$$ANI = \frac{195}{1256.203} \times 100 = 15.52$$

CWD Small Vessel Line-transect Survey

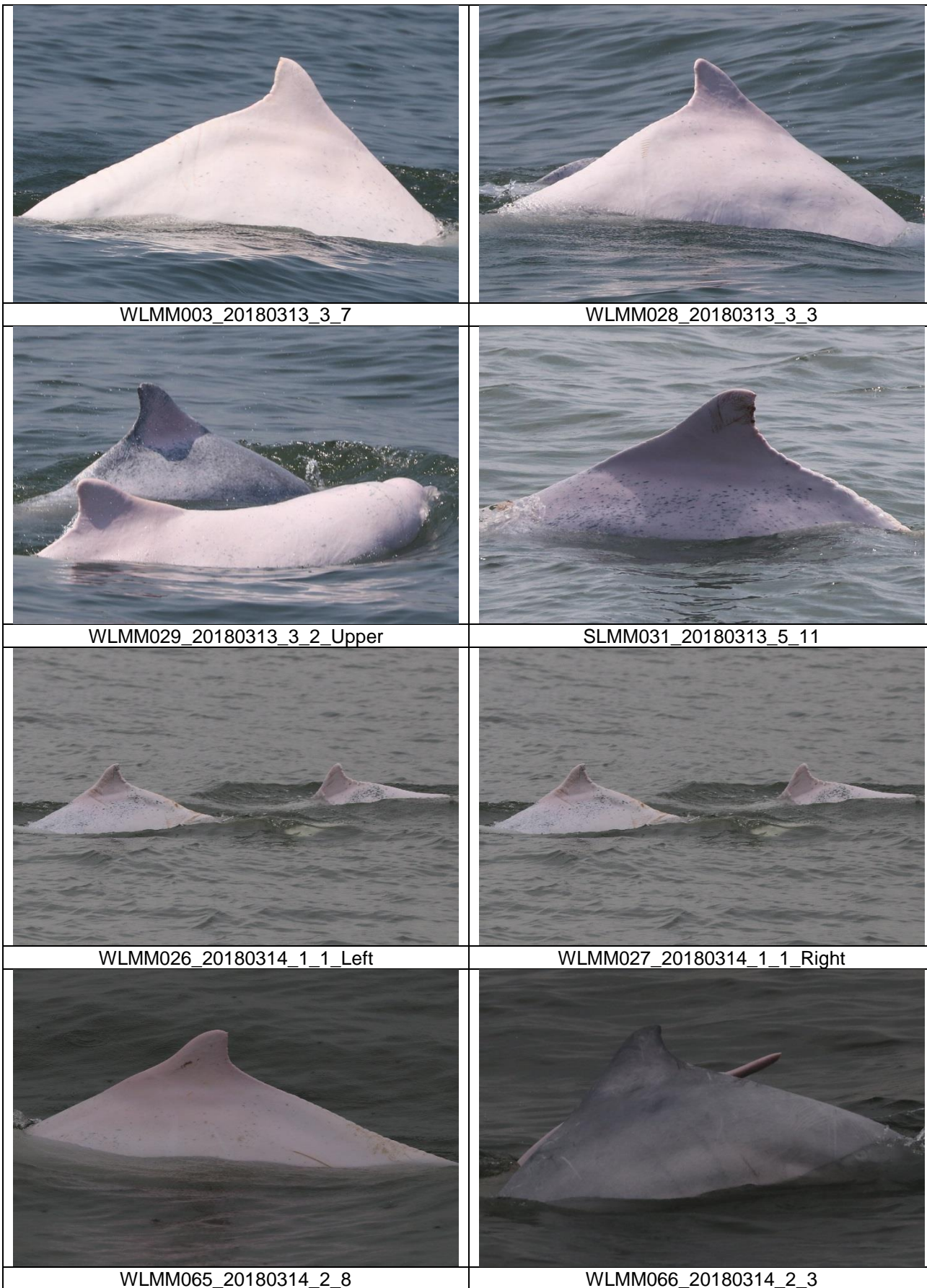
Photo Identification

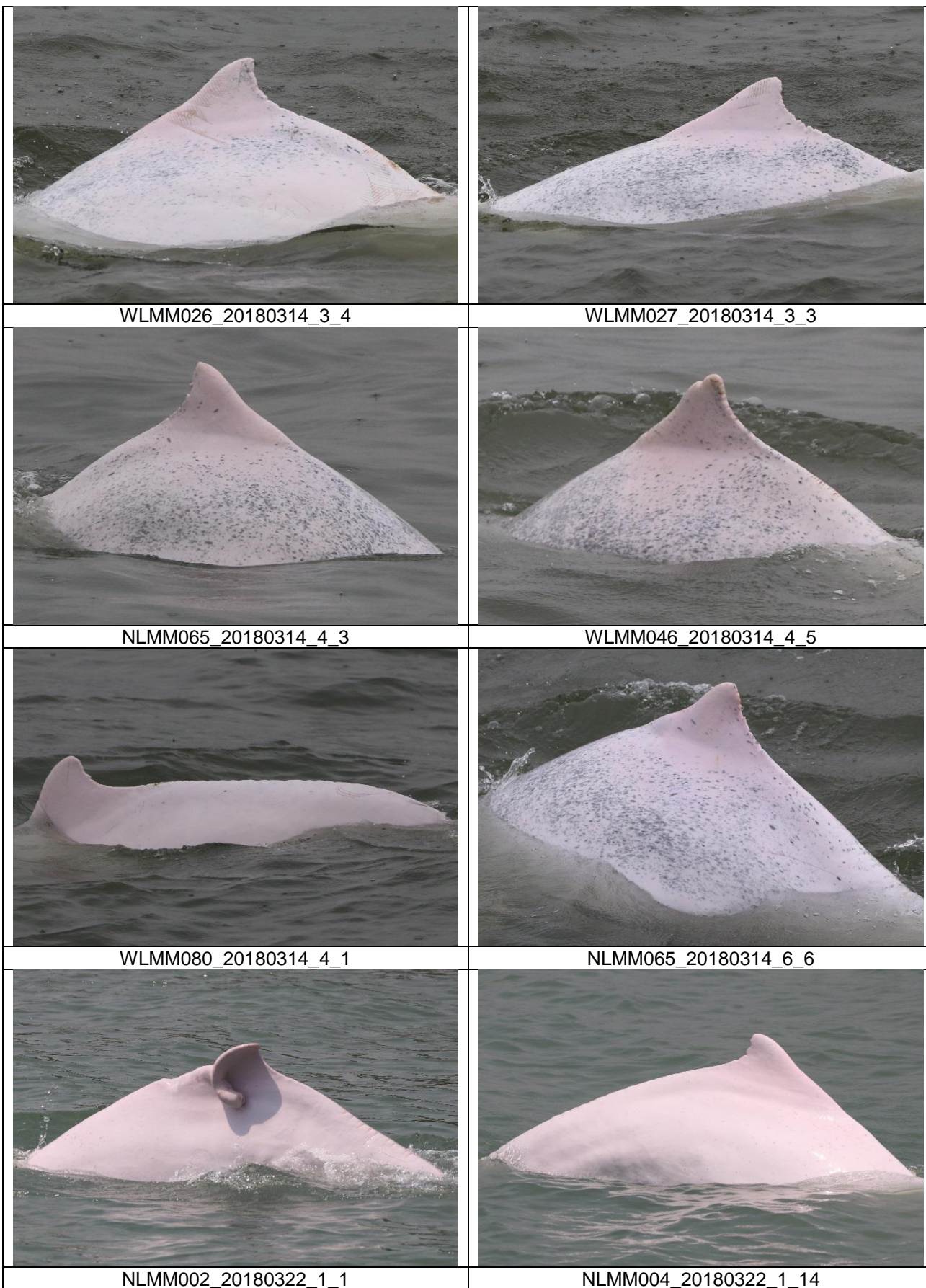
	
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SLMM025_20180312_1_11	SLMM027_20180312_1_18
	
SLMM049_20180312_1_9	WLMM007_20180312_1_11
	
WLMM018_20180312_1_9	WLMM073_20180312_1_21



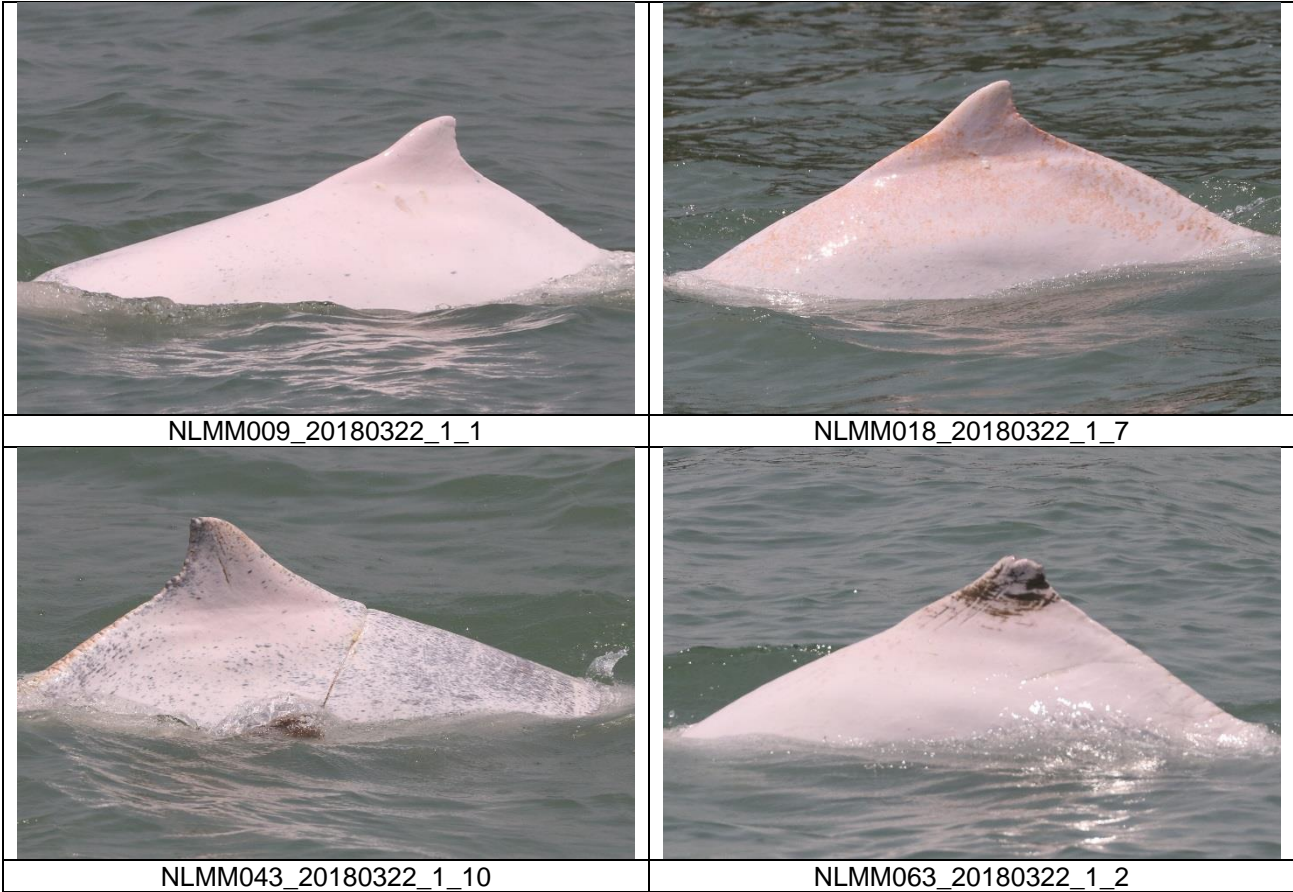












**CWD Land-based Theodolite Tracking Survey****CWD Groups by Survey Date**

<b>Date</b>	<b>Station</b>	<b>Start Time</b>	<b>End Time</b>	<b>Duration</b>	<b>Beaufort Range</b>	<b>Visibility</b>	<b>No. of Focal Follow Dolphin Groups Tracked</b>	<b>Dolphin Group Size Range</b>
12/Mar/18	Lung Kwu Chau	8:45	14:45	6:00	2	3	3	2-6
22/Mar/18	Lung Kwu Chau	8:48	14:48	6:00	3-4	2	6	2-7
23/Mar/18	Lung Kwu Chau	8:40	14:40	6:00	2	2	10	1-6
26/Mar/18	Sha Chau	8:37	14:37	6:00	2	3	0	N/A
27/Mar/18	Sha Chau	8:42	14:42	6:00	2	3	0	N/A

Visibility: 1=Excellent, 2=Good, 3=Fair, 4=Poor

## **Ecological Monitoring**

**Ecological Monitoring – location map and site photos regarding the monthly ecological monitoring for the egretty area on Sheung Sha Chau and the HDD works**

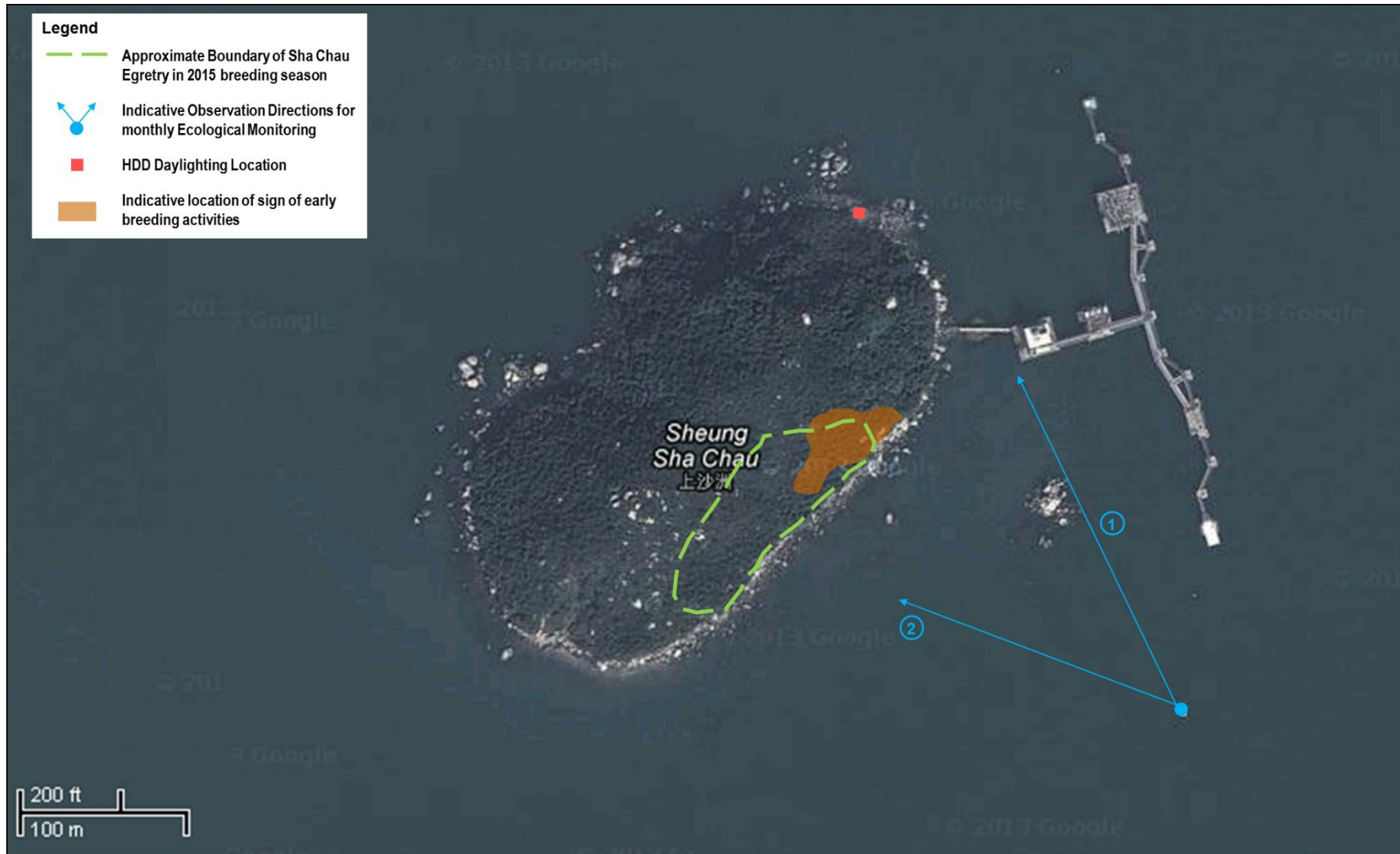




Photo record of View 1



Photo record of View 2

