

## **Appendix D. Monitoring Results**

# **Air Quality Monitoring Results**

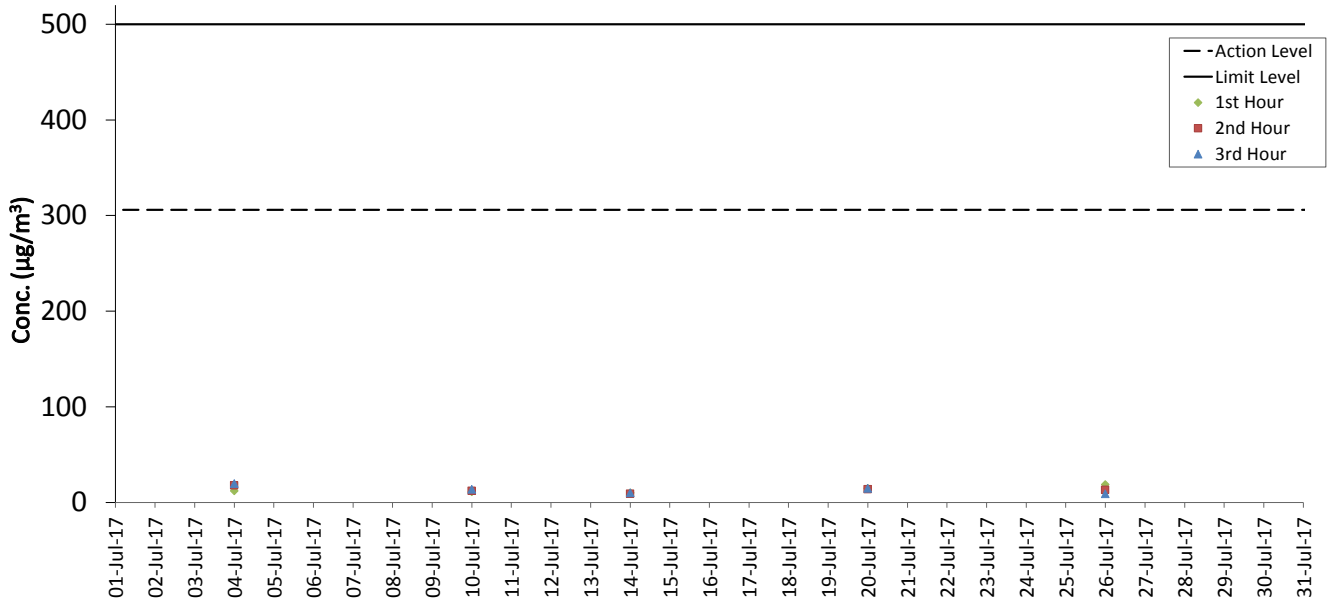
**1-hour TSP Results****Station: AR1A- Man Tung Road Park**

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 ( $\mu\text{g}/\text{m}^3$ )
04-Jul-17	13:10	Rainy	4.2	272	12	306	500
04-Jul-17	14:10	Rainy	6.3	234	18	306	500
04-Jul-17	15:10	Rainy	2.7	72	20	306	500
10-Jul-17	13:45	Sunny	5.5	160	11	306	500
10-Jul-17	14:45	Sunny	6	159	12	306	500
10-Jul-17	15:45	Sunny	6.2	152	14	306	500
14-Jul-17	09:00	Sunny	6.2	117	10	306	500
14-Jul-17	10:00	Sunny	5.2	111	9	306	500
14-Jul-17	11:00	Sunny	7.2	116	10	306	500
20-Jul-17	08:40	Sunny	3.7	64	15	306	500
20-Jul-17	09:40	Sunny	3.7	92	14	306	500
20-Jul-17	10:40	Sunny	5.4	118	15	306	500
26-Jul-17	13:15	Sunny	3.8	283	19	306	500
26-Jul-17	14:15	Sunny	4.9	272	13	306	500
26-Jul-17	15:15	Sunny	6.6	161	9	306	500

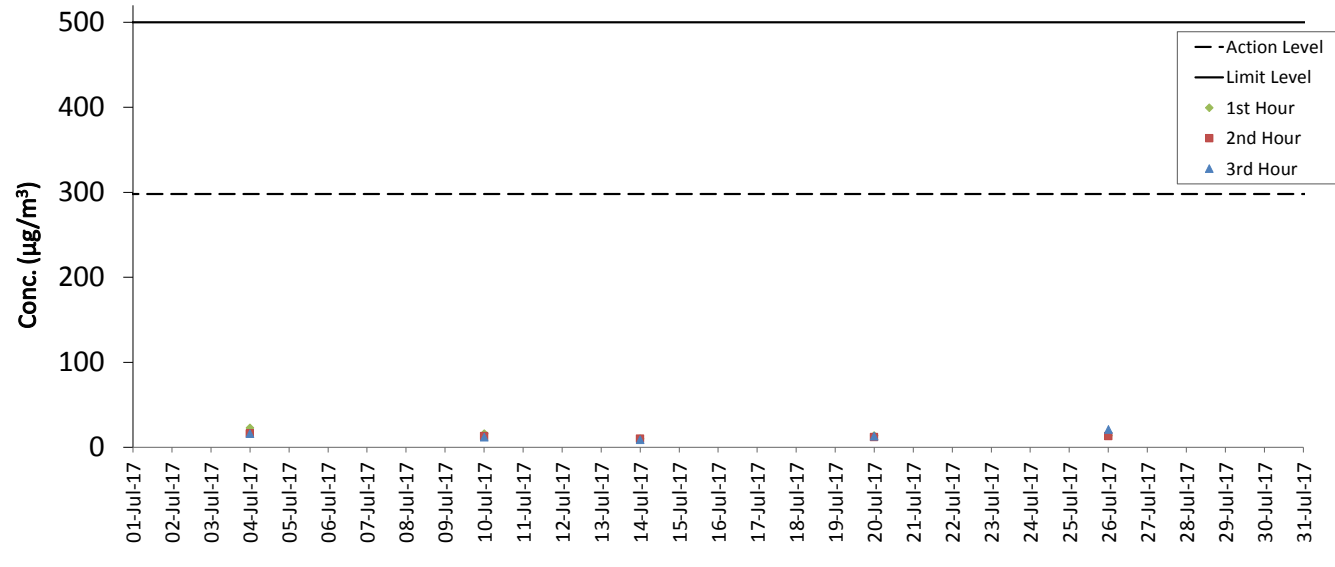
**1-hour TSP Results****Station: AR2- Village House, Tin Sum**

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 ( $\mu\text{g}/\text{m}^3$ )
04-Jul-17	09:05	Cloudy	5.2	74	23	298	500
04-Jul-17	10:05	Cloudy	5.3	109	16	298	500
04-Jul-17	11:05	Cloudy	4.1	87	16	298	500
10-Jul-17	09:00	Sunny	2.5	172	16	298	500
10-Jul-17	10:00	Sunny	4.4	195	13	298	500
10-Jul-17	11:00	Sunny	3.4	174	12	298	500
14-Jul-17	09:00	Sunny	6.2	117	10	298	500
14-Jul-17	10:00	Sunny	5.2	111	10	298	500
14-Jul-17	11:00	Sunny	7.2	116	9	298	500
20-Jul-17	09:10	Sunny	3.9	87	14	298	500
20-Jul-17	10:10	Sunny	4.6	116	12	298	500
20-Jul-17	11:10	Sunny	6.5	122	13	298	500
26-Jul-17	8:20	Sunny	1.9	26	14	298	500
26-Jul-17	9:20	Sunny	3.1	343	13	298	500
26-Jul-17	10:20	Sunny	3.0	331	21	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)
04-Jul-17	Fine	13:29	72.5	58.0	72
04-Jul-17	Fine	13:34	72.5	56.5	
04-Jul-17	Fine	13:39	70.5	57.0	
04-Jul-17	Fine	13:44	73.5	58.0	
04-Jul-17	Fine	13:49	72.0	57.5	
04-Jul-17	Fine	13:54	71.0	57.5	
10-Jul-17	Sunny	13:49	71.0	63.5	71
10-Jul-17	Sunny	13:54	71.0	61.0	
10-Jul-17	Sunny	13:59	71.0	57.0	
10-Jul-17	Sunny	14:04	72.5	57.0	
10-Jul-17	Sunny	14:09	71.5	56.0	
10-Jul-17	Sunny	14:14	70.5	56.0	
20-Jul-17	Sunny	08:55	73.0	58.0	72
20-Jul-17	Sunny	09:00	73.0	57.0	
20-Jul-17	Sunny	09:05	72.0	58.5	
20-Jul-17	Sunny	09:10	72.5	57.0	
20-Jul-17	Sunny	09:15	72.5	56.5	
20-Jul-17	Sunny	09:20	70.5	56.0	
26-Jul-17	Sunny	13:40	71.0	56.0	71
26-Jul-17	Sunny	13:45	71.0	54.5	
26-Jul-17	Sunny	13:50	72.0	56.0	
26-Jul-17	Sunny	13:55	72.5	56.0	
26-Jul-17	Sunny	14:00	71.0	55.5	
26-Jul-17	Sunny	14:05	71.0	54.5	

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)
04-Jul-17	Fine	09:13	69.5	59.0	61
04-Jul-17	Fine	09:18	68.0	59.5	
04-Jul-17	Fine	09:23	68.5	60.0	
04-Jul-17	Fine	09:28	69.5	60.5	
04-Jul-17	Fine	09:33	67.0	60.0	
04-Jul-17	Fine	09:38	66.5	59.5	
14-Jul-17	Sunny	13:50	66.0	60.5	63
14-Jul-17	Sunny	13:55	66.0	60.0	
14-Jul-17	Sunny	14:00	66.0	60.5	
14-Jul-17	Sunny	14:05	66.0	60.0	
14-Jul-17	Sunny	14:10	65.0	60.5	
14-Jul-17	Sunny	14:15	64.5	60.5	
20-Jul-17	Fine	14:08	64.5	60.5	57
20-Jul-17	Fine	14:13	67.5	60.5	
20-Jul-17	Fine	14:18	66.5	60.5	
20-Jul-17	Fine	14:23	70.5	60.0	
20-Jul-17	Fine	14:28	66.0	60.0	
20-Jul-17	Fine	14:33	67.0	60.5	
26-Jul-17	Sunny	09:13	67.0	60.5	61
26-Jul-17	Sunny	09:18	67.5	61.5	
26-Jul-17	Sunny	09:23	66.0	61.5	
26-Jul-17	Sunny	09:28	68.0	61.5	
26-Jul-17	Sunny	09:33	69.0	62.5	
26-Jul-17	Sunny	09:38	70.5	61.5	

## Noise Measurement Results

### Station: NM4- Ching Chung Hau Po Won 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)
04-Jul-17	Cloudy	10:55	69.5	62.0	64
04-Jul-17	Cloudy	11:00	65.0	62.0	
04-Jul-17	Cloudy	11:05	65.5	61.5	
04-Jul-17	Cloudy	11:10	65.0	62.0	
04-Jul-17	Cloudy	11:15	65.0	61.5	
04-Jul-17	Cloudy	11:20	66.0	62.0	
10-Jul-17	Sunny	14:45	66.5	60.0	64
10-Jul-17	Sunny	14:50	66.5	60.5	
10-Jul-17	Sunny	14:55	66.0	60.5	
10-Jul-17	Sunny	15:00	66.5	60.5	
10-Jul-17	Sunny	15:05	66.5	60.5	
10-Jul-17	Sunny	15:10	66.5	61.0	
20-Jul-17	Sunny	14:53	62.5	59.5	64
20-Jul-17	Sunny	14:58	62.0	59.0	
20-Jul-17	Sunny	15:03	62.0	59.5	
20-Jul-17	Sunny	15:08	62.5	59.5	
20-Jul-17	Sunny	15:13	64.0	60.0	
20-Jul-17	Sunny	15:18	65.0	59.5	
26-Jul-17	Sunny	13:41	64.5	61.5	65
26-Jul-17	Sunny	13:46	63.5	60.0	
26-Jul-17	Sunny	13:51	62.0	59.5	
26-Jul-17	Sunny	13:56	61.5	58.5	
26-Jul-17	Sunny	14:01	66.0	59.5	
26-Jul-17	Sunny	14:06	63.0	59.0	

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)
04-Jul-17	Cloudy	09:25	66.0	59.5	66
04-Jul-17	Cloudy	09:30	66.5	61.0	
04-Jul-17	Cloudy	09:35	66.0	61.0	
04-Jul-17	Cloudy	09:40	66.5	61.5	
04-Jul-17	Cloudy	09:45	66.0	61.0	
04-Jul-17	Cloudy	09:50	66.0	60.5	
10-Jul-17	Sunny	09:35	66.0	60.0	67
10-Jul-17	Sunny	09:40	66.0	61.0	
10-Jul-17	Sunny	09:45	67.5	59.5	
10-Jul-17	Sunny	09:50	66.0	58.5	
10-Jul-17	Sunny	09:55	66.5	59.5	
10-Jul-17	Sunny	10:00	66.5	59.0	
20-Jul-17	Sunny	09:40	57.0	49.5	57
20-Jul-17	Sunny	09:45	56.0	49.0	
20-Jul-17	Sunny	09:50	55.5	50.0	
20-Jul-17	Sunny	09:55	55.0	48.5	
20-Jul-17	Sunny	10:00	55.0	48.5	
20-Jul-17	Sunny	10:05	57.0	48.0	
26-Jul-17	Sunny	09:42	58.0	50.0	58
26-Jul-17	Sunny	09:47	57.5	49.5	
26-Jul-17	Sunny	09:52	51.5	48.0	
26-Jul-17	Sunny	09:57	52.5	48.5	
26-Jul-17	Sunny	10:02	55.5	50.0	
26-Jul-17	Sunny	10:07	61.0	50.5	

Remarks:

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

## Noise Measurement Results

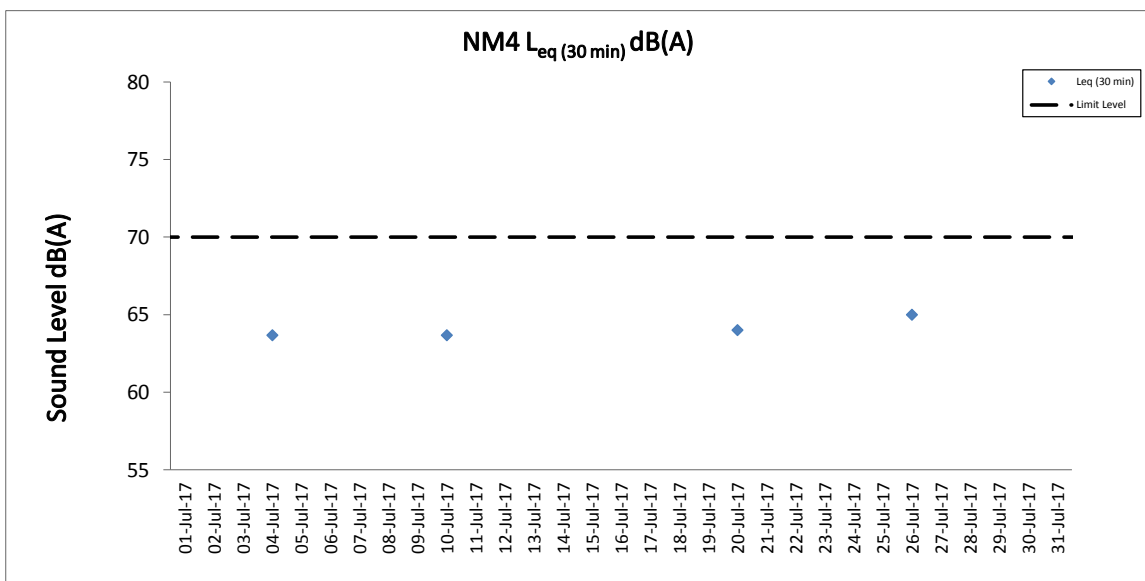
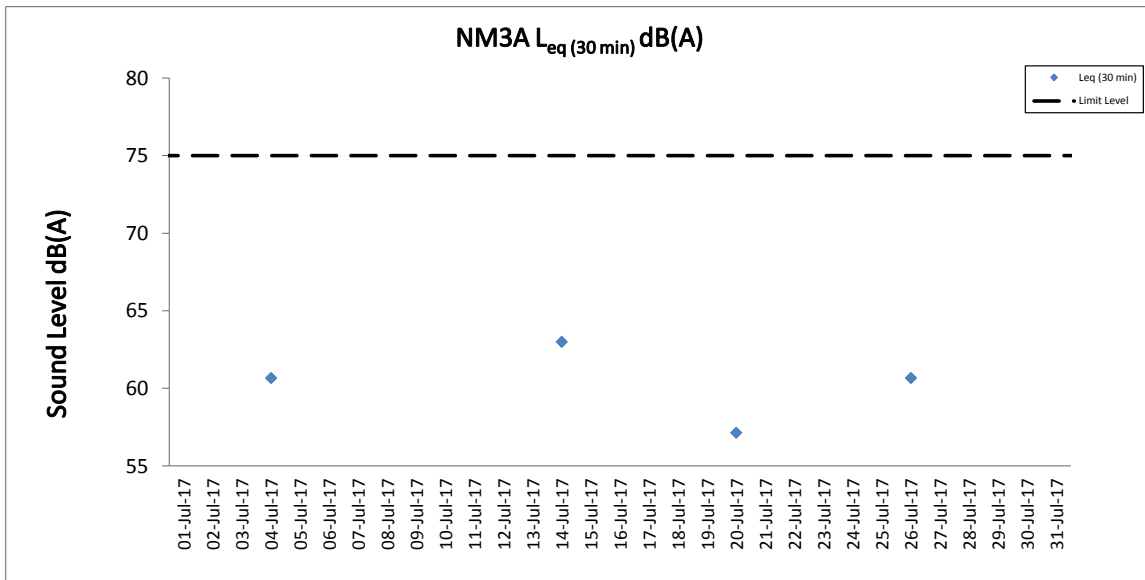
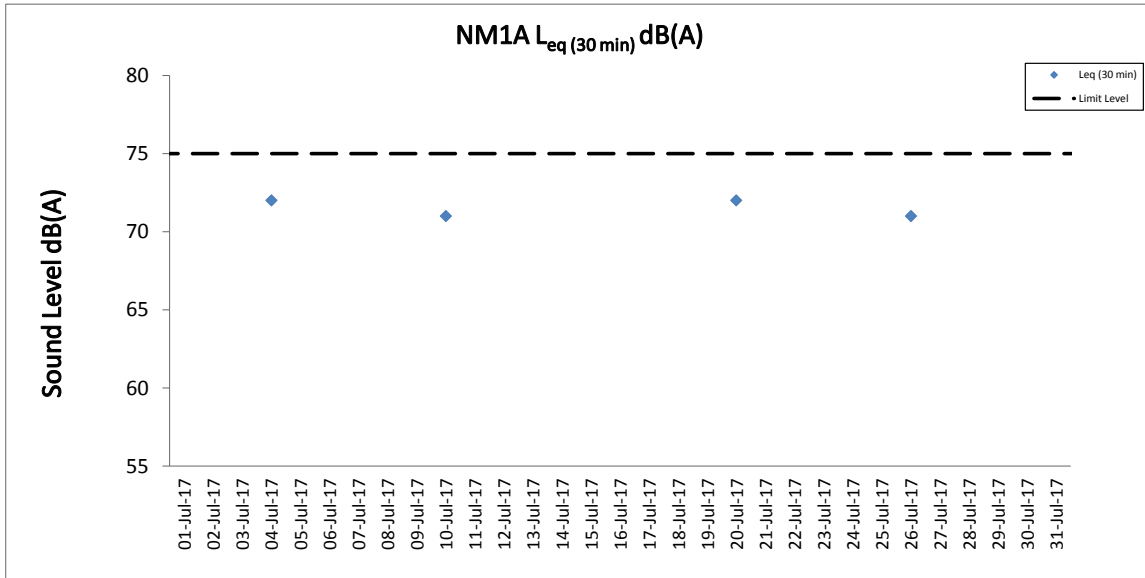
### Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
06-Jul-17	Cloudy	09:39	64.0	50.5	62
06-Jul-17	Cloudy	09:44	64.5	51.5	
06-Jul-17	Cloudy	09:49	73.2	53.5	
06-Jul-17	Cloudy	09:54	63.0	57.0	
06-Jul-17	Cloudy	09:59	73.0	60.0	
06-Jul-17	Cloudy	10:04	71.5	60.5	
12-Jul-17	Fine	09:42	75.5	60.0	68
12-Jul-17	Fine	09:47	74.0	59.5	
12-Jul-17	Fine	09:52	72.0	59.5	
12-Jul-17	Fine	09:57	70.5	57.5	
12-Jul-17	Fine	10:02	68.0	54.0	
12-Jul-17	Fine	10:07	67.5	55.5	
18-Jul-17	Cloudy	09:38	75.5	58.5	73
18-Jul-17	Cloudy	09:43	76.5	60.0	
18-Jul-17	Cloudy	09:48	74.5	61.0	
18-Jul-17	Cloudy	09:53	76.0	58.5	
18-Jul-17	Cloudy	09:58	72.2	57.5	
18-Jul-17	Cloudy	10:03	73.5	55.0	
24-Jul-17	Cloudy	09:39	72.0	59.0	66
24-Jul-17	Cloudy	09:44	71.0	55.5	
24-Jul-17	Cloudy	09:49	70.0	56.5	
24-Jul-17	Cloudy	09:54	70.0	58.0	
24-Jul-17	Cloudy	09:59	72.5	61.5	
24-Jul-17	Cloudy	10:04	71.0	58.0	

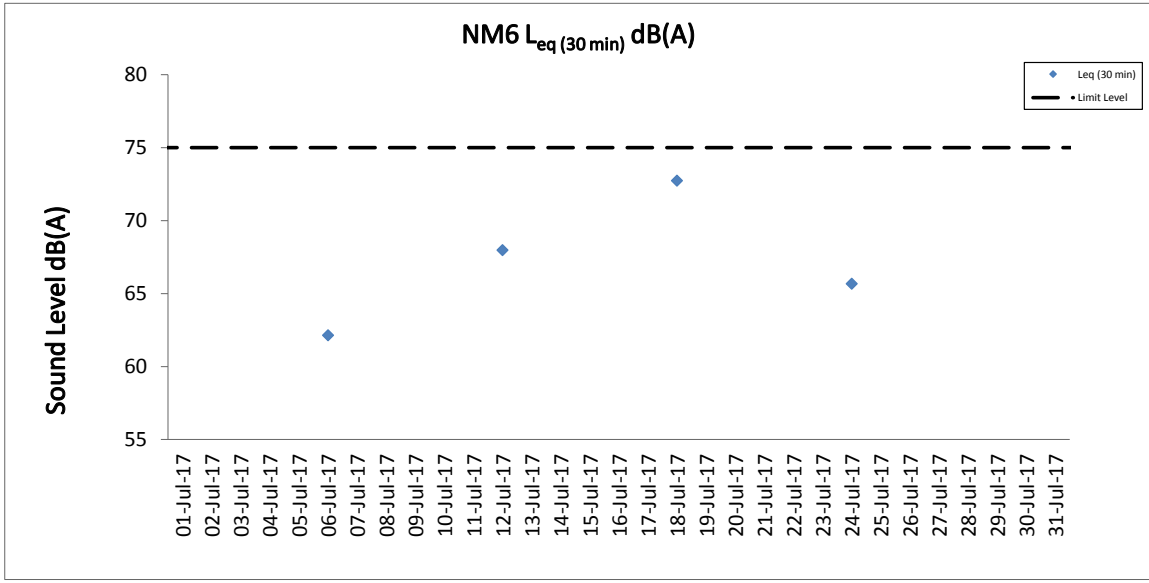
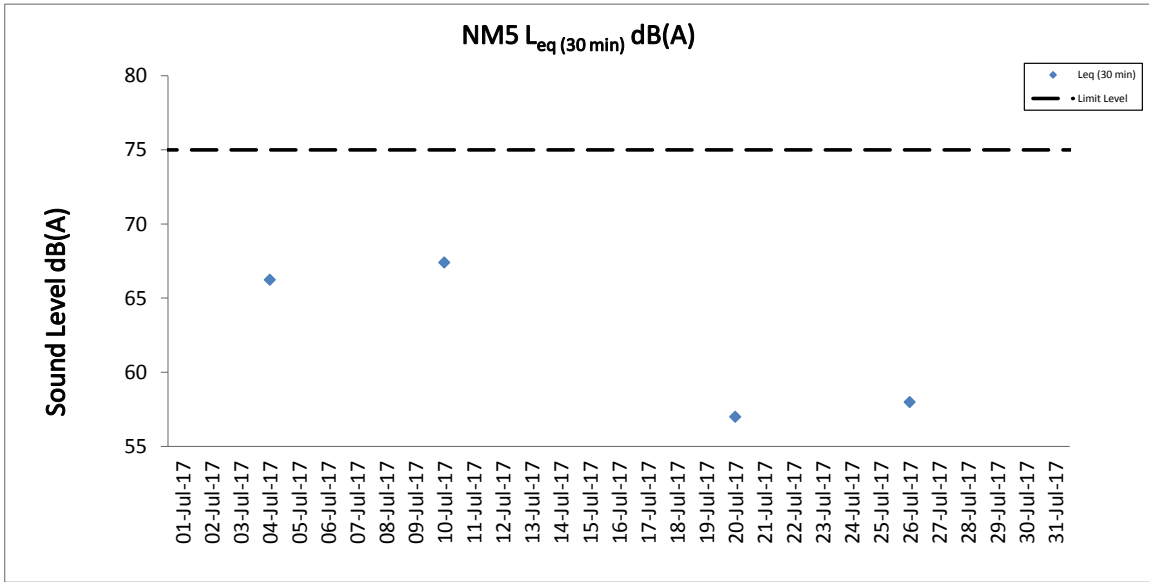
Remarks:

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





Note: Limit Level at NM4 reduced to 65 dB(A) during school examination period. No school examination took place in the reporting period.



# **Water Quality Monitoring Results**

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 July 17 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
C1	Cloudy	Moderate	06:28	8.0	Surface	1.0	0.1	238	29.5	7.9	7.9	10.8	10.8	78.6	78.6	5.7	8.8	4	73	75	815628	804248	<0.2	1.8	1.9											
						1.0	0.1	252	29.5	7.9	7.9	10.8	10.8	78.6	78.6	5.7	8.8	3	75	75																
					Middle	4.0	0.1	280	28.7	7.9	7.9	17.4	17.4	63.9	63.9	4.5	8.8	3	75	75																
						4.0	0.1	285	28.7	7.9	7.9	17.4	17.4	63.9	63.9	4.5	8.8	3	75	75																
					Bottom	7.0	0.1	301	27.6	7.9	7.9	21.2	21.2	55.0	55.0	3.9	12.5	3	76	76																
						7.0	0.1	322	27.6	7.9	7.9	21.2	21.2	55.0	55.0	3.9	12.5	3	76	76																
C2	Cloudy	Moderate	08:22	12.3	Surface	1.0	0.6	162	29.1	7.8	7.8	8.1	8.1	69.4	69.4	5.1	8.5	<2	67	74	825697	806926	<0.2	2.2	2.1											
						1.0	0.6	164	29.1	7.8	7.8	8.1	8.1	69.4	69.4	5.1	8.5	<2	68	74																
					Middle	6.2	0.3	297	27.1	7.8	7.8	21.3	21.3	53.0	53.0	3.7	9.8	<2	76	78																
						6.2	0.3	297	27.1	7.8	7.8	21.3	21.3	53.0	53.0	3.7	9.8	<2	78	78																
					Bottom	11.3	0.7	299	26.5	7.8	7.8	25.4	25.4	56.5	56.5	3.9	11.3	<2	78	78																
						11.3	0.7	309	26.5	7.8	7.8	25.4	25.4	56.5	56.5	3.9	11.3	<2	77	77																
C3	Cloudy	Moderate	06:19	11.3	Surface	1.0	0.4	251	28.7	7.9	7.9	14.4	14.4	78.9	78.9	5.6	7.9	<2	72	75	822120	817800	<0.2	2.0	1.7											
						1.0	0.5	274	28.7	7.9	7.9	14.4	14.4	78.9	78.9	5.6	7.9	<2	71	75																
					Middle	5.7	0.4	231	28.1	7.9	7.9	17.3	17.3	72.3	72.3	5.1	7.9	3	75	75																
						5.7	0.4	250	28.1	7.9	7.9	17.3	17.3	72.3	72.3	5.1	7.9	4	75	75																
					Bottom	10.3	0.3	261	26.5	7.9	7.9	25.0	25.0	70.8	70.8	5.0	12.2	3	78	78																
						10.3	0.3	275	26.5	7.9	7.9	25.0	25.0	70.8	70.8	5.0	12.2	3	78	78																
IM1	Cloudy	Moderate	06:57	8.2	Surface	1.0	0.2	210	29.2	7.9	7.9	10.4	10.4	78.5	78.5	5.7	8.8	3	73	75	818346	806449	<0.2	1.6	1.9											
						1.0	0.2	221	29.2	7.9	7.9	10.4	10.4	78.5	78.5	5.7	8.8	3	73	75																
					Middle	4.1	0.1	182	28.3	7.9	7.9	16.2	16.2	63.4	63.4	4.5	10.5	2	75	75																
						4.1	0.1	199	28.3	7.9	7.9	16.2	16.2	63.4	63.4	4.5	10.5	2	75	75																
					Bottom	7.2	0.1	208	27.4	7.9	7.9	24.1	24.1	66.5	66.5	4.6	10.8	3	76	76																
						7.2	0.1	216	27.4	7.9	7.9	24.1	24.1	66.5	66.5	4.6	10.8	2	76	76																
IM2	Cloudy	Moderate	07:08	8.3	Surface	1.0	0.1	273	29.4	7.9	7.9	11.4	11.4	78.0	78.0	5.6	9.7	4	74	75	818857	806195	<0.2	1.8	1.9											
						1.0	0.1	278	29.4	7.9	7.9	11.4	11.4	78.0	78.0	5.6	9.7	2	74	74																
					Middle	4.2	0.2	251	28.5	7.9	7.9	15.7	15.7	64.4	64.4	4.6	12.4	4	75	75																
						4.2	0.2	261	28.5	7.9	7.9	15.7	15.7	64.4	64.4	4.6	12.4	3	75	75																
					Bottom	7.3	0.1	260	27.5	7.8	7.8	23.8	23.8	76.6	76.6	5.3	10.5	3	77	77																
						7.3	0.1	260	27.5	7.8	7.8	23.8	23.8	76.6	76.6	5.3	10.5	3	77	77																
IM3	Cloudy	Moderate	07:17	8.9	Surface	1.0	0.1	226	29.2	7.8	7.8	10.9	10.9	72.7	72.7	5.4	10.1	3	73	75	819402	806000	<0.2	1.8	1.9											
						1.0	0.1	227	29.2	7.8	7.8	10.9	10.9	72.7	72.7	5.4	10.1	3	74	74																
					Middle	4.5	0.0	231	28.7	7.9	7.9	12.9	12.9	67.0	67.0	4.8	11.6	3	76	76																
						4.5	0.0	245	28.7	7.9	7.9	12.9	12.9	67.0	67.0	4.8	11.6	3	76	76																
					Bottom	7.9	0.1	229	26.2	7.9	7.9	28.2	28.2	71.7	71.7	4.9	12.7	3	77	77																
						7.9	0.1	231	26.2	7.9	7.9	28.2	28.2	71.7	71.7	4.9	12.7	4	78	78																
IM4	Cloudy	Moderate	07:25	8.6	Surface	1.0	0.1	207	29.1	7.9	7.9	9.0	9.0	74.0	74.0	5.4	11.0	4	73	75	819569	805041	<0.2	1.8	1.8											
						1.0	0.1	220	29.1	7.9	7.9	9.0	9.0	74.0	74.0	5.4	11.0	3	73	73																
					Middle	4.3	0.1	166	29.0	7.8	7.8	13.2	13.2	73.0	73.0	5.2	12.1	4	75	75																
						4.3	0.1	169	29.0	7.8	7.8	13.2	13.2	73.0	73.0	5.2	12.1	4	76	76																
					Bottom	7.6	0.2	187	26.4	7.9	7.9	27.7	27.4	70.6	71.0	4.9	12.1	4	77	77																
						7.6	0.2	198	26.6	7.9	7.9	27.1	27.4	71.3	71.0	4.9	12.4	4	78	78																
IM5	Cloudy	Moderate	07:33	7.8	Surface	1.0	0.2	123	29.0	7.8	7.8	10.8	10.8	69.9	69.9	5.2	11.3	3	73	75	820547	804930	<0.2	2.0	2.0											
						1.0	0.2	131	29.0	7.8	7.8	10.8	10.8	69.9	69.9	5.2	11.1	2	74	74																
					Middle	3.9	0.3	142	28.8	7.9	7.9	12.6	12.6	65.7	65.7	4.7	10.5	3	75	75																
						3.9	0.3	154	28.8	7.9	7.9	12.6	12.6	65.7	65.7	4.7	10.5	2	75	75																
					Bottom	6.8	0.1	188	27.0	7.9	7.9	23.2	23.2	54.5	54.5	3.8	11.4	5	77	77																
						6.8	0.1	197	27.0	7.9	7.9	23.2	23.2	54.5	54.5	3.8	11.4	4	77	77																
IM6	Cloudy	Moderate	07:46	7.6	Surface	1.0	0.5	308	28.8	7.9	7.9	9.0	9.1	67.2	67.1	4.9	10.2	3	73	75	821059	805823	<0.2	1.8	1.9											
						1.0	0.5	333	28.7	7.9	7.9	9.1	9.1	67.0	67.1	4.9	10.2	4	73	73																
					Middle	3.8	0.4	296	28.6	8.0	8.0	13.7	13.7	63.2	63.2	4.5	11.0	4	75	75																
						3.8	0.4	319	28.6	8.0	8.0	13.7	13.7	63.2	63.2	4.5	11.0	4	76	76																
					Bottom	6.6	0.3	336	26.1	7.9	7.9	28.2	28.2	57.9	57.9	4.0	16.5	3	77	77																
						6.6	0.3	309	26.1	7.9	7.9	28.2	28.2	57.9	57.9	4.0	16.5	4	78	78																
IM7	Cloudy	Moderate	07:57	7.3	Surface	1.0	0.2	322	28.9	7.9	7.9	6.5	6.5	70.8	70.8	5.3	10.6	2	73	75	821339	806847	<0.2	2.0	1.9											
						1.0	0.2	335	28.9	7.9	7.9	6.5	6.5	70.8	70.8	5.3	10.6	3	74	74																
					Middle	3.7	0.4	254	28.0	8.0	8.0	16.5	16.5	57.9	57.9	4.1	12.9	4	76	76																
						3.7	0.4	271	28.0	8.0	8.0	16.5	16.5	57.9	57.9	4.1	12.9	2	76	76																
					Bottom	6.3	0.2	247	26.6	8.0	8.0	28.1	28.1	57.9	57.9	4.0	13.4	4	77	77																
						6.3	0.2	257	26.6	8.0	8.0	28.1	28.1	57.9	57.9	4.0	13.4	3	77	77																
IM8	Cloudy	Moderate	07:50	9.2	Surface	1.0	0.3	219	28.4	7.8	7.8	16.4	16.4	68.0	68.0	4.8	9.3	3	72	75	821706	807846	<0.2	1.9	2.1											
						1.0	0.3	237	28.4	7.8	7.8	16.4	16.4	68.0	68.0	4.8	9.3	5	74	74																
					Middle	4.6	0.5	267	28.1	7.8	7.8	17.2	17.2	62.7	62.7	4.5	9.9	4	75	75																
						4.6	0.5	286	28.1	7.8	7.8	17.2	17.2	62.7	62.7	4.5	9.9	4	76	76																
					Bottom	8.2	0.5	298	27.8	7.9	7.9	22.5	22.5	71.9	71.9	5.0	10.3	5	78	78																
						8.2	0.6	320	27.8	7.9	7.9	22.5	22.5	71.9	71.9	5.0	10.3	5	77	77																

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 01 July 17 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
IM9	Cloudy	Moderate	07:43	8.3	Surface	1.0	0.4	186	28.8	7.9	7.9	10.5	10.6	68.1	67.9	5.0	4.7	8.9	9.1	4	4	69	73	822111	808824	<0.2	<0.2	2.4	2.4							
						1.0	0.4	196	28.7	7.9	7.9	10.6	10.6	67.6	67.9	4.9	4.7	9.0	9.1	4	4	70	73	822111	808824	<0.2	<0.2	2.5	2.4							
					Middle	4.2	0.1	217	27.8	7.8	7.8	18.7	18.7	61.8	61.8	4.4	4.4	9.3	9.1	3	4	74	73	822111	808824	<0.2	<0.2	2.4	2.4							
						4.2	0.1	225	27.8	7.8	7.8	18.7	18.7	61.8	61.8	4.4	4.4	9.3	9.1	4	4	74	73	822111	808824	<0.2	<0.2	2.4	2.4							
					Bottom	7.3	0.3	290	27.7	7.8	7.8	19.0	19.0	68.5	68.5	4.9	4.9	9.1	9.1	4	4	76	75	822111	808824	<0.2	<0.2	2.2	2.2							
						7.3	0.3	310	27.7	7.8	7.8	19.0	19.0	68.5	68.5	4.9	4.9	9.1	9.1	4	4	75	75	822111	808824	<0.2	<0.2	2.2	2.2							
IM10	Cloudy	Moderate	07:35	7.2	Surface	1.0	0.2	157	28.7	7.9	7.9	13.3	13.3	67.9	67.9	4.9	4.7	9.7	11.2	4	4	70	75	822245	809857	<0.2	<0.2	2.5	2.4							
						1.0	0.2	160	28.7	7.9	7.9	13.3	13.3	67.9	67.9	4.9	4.7	9.7	11.2	4	4	71	75	822245	809857	<0.2	<0.2	2.4	2.4							
					Middle	3.6	0.0	29	28.3	7.8	7.8	16.2	16.2	62.3	62.3	4.4	4.4	10.6	10.6	4	4	75	76	822245	809857	<0.2	<0.2	2.4	2.5							
						3.6	0.0	29	28.3	7.8	7.8	16.2	16.2	62.3	62.3	4.4	4.4	10.6	10.6	4	4	76	77	822245	809857	<0.2	<0.2	2.5	2.3							
					Bottom	6.2	0.6	241	27.7	7.8	7.8	19.3	19.3	66.5	66.5	4.7	4.7	13.4	13.4	4	4	77	78	822245	809857	<0.2	<0.2	2.3	2.3							
						6.2	0.6	243	27.7	7.8	7.8	19.3	19.3	66.5	66.5	4.7	4.7	13.4	13.4	4	4	78	78	822245	809857	<0.2	<0.2	2.3	2.3							
IM11	Cloudy	Moderate	07:23	7.0	Surface	1.0	0.1	108	29.1	7.9	7.9	10.1	10.1	77.5	77.4	5.6	5.3	9.5	11.5	3	4	69	73	821486	810547	<0.2	<0.2	2.6	2.6							
						1.0	0.1	109	29.1	7.9	7.9	10.1	10.1	77.3	77.4	5.6	5.3	9.6	11.5	2	4	70	73	821486	810547	<0.2	<0.2	2.5	2.6							
					Middle	3.5	0.2	8	28.4	7.9	7.9	14.2	14.2	67.6	67.6	4.9	4.9	10.2	10.2	3	4	72	73	821486	810547	<0.2	<0.2	2.4	2.6							
						3.5	0.2	8	28.4	7.9	7.9	14.2	14.2	67.6	67.6	4.9	4.9	10.2	10.2	4	4	73	75	821486	810547	<0.2	<0.2	2.6	2.6							
					Bottom	6.0	0.4	331	28.0	7.9	7.9	18.1	18.1	70.4	70.4	5.0	5.0	14.6	14.6	4	5	75	76	821486	810547	<0.2	<0.2	2.6	2.6							
						6.0	0.4	305	28.0	7.9	7.9	18.1	18.1	70.4	70.4	5.0	5.0	14.6	14.6	5	5	76	76	821486	810547	<0.2	<0.2	2.6	2.6							
IM12	Cloudy	Moderate	07:11	8.7	Surface	1.0	0.2	104	28.9	7.9	7.9	11.7	11.7	71.6	71.5	5.2	5.0	8.4	10.9	5	6	69	74	821171	811523	<0.2	<0.2	2.7	2.5							
						1.0	0.2	112	28.9	7.9	7.9	11.7	11.7	71.4	71.5	5.2	5.0	8.4	10.9	4	6	70	75	821171	811523	<0.2	<0.2	2.5	2.4							
					Middle	4.4	0.2	301	28.6	7.9	7.9	13.6	13.6	64.9	64.9	4.7	4.7	11.2	11.2	5	6	75	76	821171	811523	<0.2	<0.2	2.4	2.4							
						4.4	0.2	329	28.6	7.9	7.9	13.6	13.6	64.9	64.9	4.7	4.7	11.2	11.2	4	6	74	76	821171	811523	<0.2	<0.2	2.4	2.5							
					Bottom	7.7	0.4	259	27.3	7.9	7.9	22.0	22.0	53.2	53.2	3.7	3.7	13.0	13.0	9	8	76	77	821171	811523	<0.2	<0.2	2.5	2.6							
						7.7	0.4	260	27.3	7.9	7.9	22.0	22.0	53.2	53.2	3.7	3.7	13.0	13.0	8	8	77	77	821171	811523	<0.2	<0.2	2.6	2.6							
SR2	Cloudy	Moderate	06:45	4.8	Surface	1.0	0.1	114	29.2	7.9	7.9	10.0	10.0	81.2	81.2	5.9	5.9	11.0	12.3	4	4	67	71	821443	814177	<0.2	<0.2	2.4	2.4							
						1.0	0.1	117	29.2	7.9	7.9	10.0	10.0	81.2	81.2	5.9	5.9	11.0	12.3	4	4	68	71	821443	814177	<0.2	<0.2	2.4	2.4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.8	0.1	109	28.4	7.8	7.8	15.4	15.4	68.7	68.7	4.9	4.9	13.5	13.5	4	5	74	73	821443	814177	<0.2	<0.2	2.2	2.2							
						3.8	0.1	117	28.4	7.8	7.8	15.4	15.4	68.7	68.7	4.9	4.9	13.5	13.5	5	5	73	73	821443	814177	<0.2	<0.2	2.2	2.2							
SR3	Cloudy	Moderate	07:57	9.0	Surface	1.0	0.3	214	28.4	7.9	7.9	14.7	14.6	63.4	63.4	4.5	4.6	8.9	11.6	7	7	-	-	822144	807555	-	-	-	-							
						1.0	0.3	221	28.4	7.9	7.9	14.5	14.5	63.4	63.4	4.5	4.6	8.9	11.6	7	7	-	-	822144	807555	-	-	-	-							
					Middle	4.5	0.6	265	27.8	7.8	7.8	18.9	18.9	66.5	66.5	4.6	4.6	10.4	10.4	6	7	-	-	-	-	822144	807555	-	-	-	-					
						4.5	0.6	268	27.8	7.8	7.8	18.9	18.9	66.5	66.5	4.6	4.6	10.4	10.4	7	7	-	-	-	-	822144	807555	-	-	-	-					
					Bottom	8.0	0.5	278	27.1	7.9	7.9	23.5	23.5	50.5	50.5	3.5	3.5	15.4	15.4	7	7	-	-	-	-	822144	807555	-	-	-	-					
						8.0	0.5	289	27.1	7.9	7.9	23.5	23.5	50.5	50.5	3.5	3.5	15.4	15.4	7	7	-	-	-	-	822144	807555	-	-	-	-					
SR4A	Cloudy	Moderate	06:08	7.8	Surface	1.0	0.1	219	28.7	8.0	8.0	15.0	15.0	87.0	86.9	6.2	5.6	6.2	9.0	3	4	-	-	817176	807816	-	-	-	-							
						1.0	0.1	222	28.7	8.0	8.0	15.0	15.0	86.8	86.9	6.2	5.6	6.3	9.0	4	4	-	-	817176	807816	-	-	-	-							
					Middle	3.9	0.2	263	27.7	7.9	7.9	19.6	19.6	70.9	70.9	5.0	5.0	9.7	9.7	3	4	-	-	-	-	817176	807816	-	-	-	-					
						3.9	0.2	273	27.7	7.9	7.9	19.5	19.5	70.9	70.9	5.0	5.0	9.7	9.7	3	4	-	-	-	-	817176	807816	-	-	-	-					
					Bottom	6.8	0.2	280	27.5	7.8	7.8	20.7	20.7	73.6	73.7	5.2	5.2	10.9	10.9	3	4	-	-	-	-	817176	807816	-	-	-	-					
						6.8	0.2	280	27.5	7.8	7.8	20.7	20.7	73.8	73.7	5.2	5.2	10.9	10.9	4	4	-	-	-	-	817176	807816	-	-	-	-					
SR5A	Cloudy	Moderate	05:49	5.2	Surface	1.0	0.1	74	28.8	8.0	8.0	14.9	14.9	89.1	89.1	6.3	6.3	6.0	7.8	5	4	-	-	816586	810680	-	-	-	-							
						1.0	0.1	80	28.8	8.0	8.0	14.9	14.9	89.0	89.0	6.3	6.3	6.1	7.8	3	4	-	-	816586	810680	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.2	0.1	299	27.7	7.8	7.9	19.7	19.7	79.2	79.4	5.6	5.6	9.6	9.6	3	4	-	-	-	-	816586	810680	-	-	-	-					
						4.2	0.1	304	27.7	7.9	7.9	19.6	19.7	79.5	79.4	5.6	5.6	9.6	9.6	4	4	-	-	-	-	816586	810680	-	-	-	-					
SR6	Cloudy	Moderate	05:25	4.1	Surface	1.0	0.0	154	28.9																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 July 17 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
C1	Cloudy	Moderate	09:35	7.6	Surface	1.0	0.5	204	28.3	7.9	7.9	9.7	9.7	76.1	75.9	5.6	7.9	8	63	8	63	71	815631	804231	<0.2	2.0	2.1									
						1.0	0.5	205	28.3	28.3	7.9	7.9	9.7	9.7	75.7	75.9	5.6	7.9	8	63	8	63	71	815631	804231	<0.2		2.0								
					Middle	3.8	0.6	210	27.0	27.0	7.8	7.8	17.7	17.7	55.3	55.3	4.0	12.8	9	74	9	74	71	815631	804231	<0.2		2.1								
						3.8	0.6	225	27.0	27.0	7.8	7.8	17.7	17.7	55.2	55.3	4.0	13.1	9	74	9	74	71	815631	804231	<0.2		2.1								
					Bottom	6.6	0.4	215	25.2	25.2	7.7	7.7	29.5	29.5	71.7	71.7	5.0	14.6	9	77	9	77	71	815631	804231	<0.2		2.3								
						6.6	0.4	227	25.2	25.2	7.7	7.7	29.5	29.5	72.9	72.3	5.1	14.2	8	77	8	77	71	815631	804231	<0.2		2.2								
C2	Cloudy	Moderate	11:46	12.3	Surface	1.0	1.3	171	29.0	7.7	7.7	4.1	4.1	77.9	77.9	5.9	8.7	9	62	9	62	72	825666	806953	<0.2	2.5	2.5									
						1.0	1.4	178	29.0	29.0	7.7	7.7	4.1	4.1	77.9	77.9	5.9	8.8	9	63	9	63	72	825666	806953	<0.2		2.4								
					Middle	6.2	0.8	167	27.1	27.1	7.8	7.8	21.8	21.8	50.4	50.4	3.6	10.3	11	75	11	75	72	825666	806953	<0.2		2.5								
						6.2	0.8	176	27.1	27.1	7.8	7.8	21.8	21.8	50.4	50.4	3.6	10.2	11	76	11	76	72	825666	806953	<0.2		2.4								
					Bottom	11.3	0.1	151	26.4	26.4	7.8	7.8	27.5	27.5	57.5	57.5	4.0	15.8	13	77	13	77	72	825666	806953	<0.2		2.6								
						11.3	0.2	156	26.4	26.4	7.8	7.8	27.5	27.5	57.5	57.5	4.0	15.7	13	78	13	78	72	825666	806953	<0.2		2.5								
C3	Rainy	Moderate	09:21	12.2	Surface	1.0	0.2	150	27.9	7.9	7.9	12.1	12.1	74.0	74.0	5.4	6.1	5	67	5	67	73	822120	817810	<0.2	2.0	2.1									
						1.0	0.3	158	27.9	27.9	7.9	7.9	12.1	12.1	74.0	74.0	5.4	6.1	4	68	4	68	73	822120	817810	<0.2		2.1								
					Middle	6.1	0.3	82	27.3	27.3	7.9	7.9	17.8	17.8	67.0	67.0	4.8	6.2	6	75	6	75	73	822120	817810	<0.2		2.2								
						6.1	0.3	86	27.3	27.3	7.9	7.9	17.8	17.8	67.0	67.0	4.8	6.2	5	74	5	74	73	822120	817810	<0.2		2.2								
					Bottom	11.2	1.1	82	27.1	27.1	7.9	7.9	22.2	22.2	70.2	70.2	4.9	5.3	6	77	6	77	73	822120	817810	<0.2		2.1								
						11.2	1.2	84	27.1	27.1	7.9	7.9	22.2	22.2	70.2	70.2	4.9	5.3	6	78	6	78	73	822120	817810	<0.2		2.1								
IM1	Rainy	Moderate	09:57	7.1	Surface	1.0	0.5	205	28.1	7.9	7.9	10.5	10.5	77.9	77.9	5.7	8.5	8	66	8	66	73	818351	806447	<0.2	2.4	2.1									
						1.0	0.6	219	28.1	28.1	7.9	7.9	10.5	10.5	77.9	77.9	5.8	8.5	8	65	8	65	73	818351	806447	<0.2		2.4								
					Middle	3.6	0.6	204	26.8	26.8	7.7	7.7	22.8	22.8	72.3	72.3	5.1	9.2	9	75	9	75	73	818351	806447	<0.2		1.9								
						3.6	0.6	223	26.8	26.8	7.7	7.7	22.8	22.8	72.3	72.3	5.1	9.2	9	74	9	74	73	818351	806447	<0.2		1.9								
					Bottom	6.1	0.4	212	25.1	25.1	7.7	7.7	29.9	29.9	68.2	68.2	4.8	12.6	10	77	10	77	73	818351	806447	<0.2		1.9								
						6.1	0.4	232	25.1	25.1	7.7	7.7	29.9	29.9	68.2	68.2	4.8	12.6	9	78	9	78	73	818351	806447	<0.2		2.1								
IM2	Rainy	Moderate	10:04	6.9	Surface	1.0	0.2	172	28.4	7.9	7.9	9.3	9.3	73.5	73.3	5.4	8.4	6	64	6	64	73	818871	806205	<0.2	2.4	2.3									
						1.0	0.2	176	28.4	28.4	7.9	7.9	9.3	9.3	73.1	73.3	5.4	8.3	7	66	7	66	73	818871	806205	<0.2		2.3								
					Middle	3.5	0.4	178	26.7	26.7	7.8	7.8	19.9	20.0	52.6	52.8	3.8	10.3	8	75	8	75	73	818871	806205	<0.2		2.3								
						3.5	0.4	185	26.6	26.6	7.8	7.8	20.1	20.0	53.0	52.8	3.8	10.4	8	76	8	76	73	818871	806205	<0.2		2.3								
					Bottom	5.9	0.2	166	25.2	25.2	7.8	7.8	29.6	29.6	75.4	75.4	5.2	10.7	8	77	8	77	73	818871	806205	<0.2		2.3								
						5.9	0.2	178	25.2	25.2	7.8	7.8	29.6	29.6	75.3	75.4	5.2	10.6	8	78	8	78	73	818871	806205	<0.2		2.2								
IM3	Rainy	Moderate	10:12	6.8	Surface	1.0	0.2	230	28.2	7.8	7.8	9.4	9.4	76.5	76.5	5.7	9.0	9	65	9	65	71	819395	806016	<0.2	2.4	2.4									
						1.0	0.2	247	28.2	28.2	7.8	7.8	9.4	9.4	76.4	76.5	5.7	9.0	7	64	7	64	71	819395	806016	<0.2		2.5								
					Middle	3.4	0.2	195	27.7	27.7	7.8	7.8	13.2	13.3	63.1	62.9	4.6	8.4	9	69	9	69	71	819395	806016	<0.2		2.4								
						3.4	0.2	203	27.6	27.6	7.8	7.8	13.3	13.3	62.6	62.9	4.6	8.5	8	70	8	70	71	819395	806016	<0.2		2.4								
					Bottom	5.8	0.2	183	25.9	25.9	7.8	7.8	24.6	24.6	80.2	80.2	5.7	8.6	9	77	9	77	71	819395	806016	<0.2		2.5								
						5.8	0.2	196	25.9	25.9	7.8	7.8	24.6	24.6	80.2	80.2	5.7	8.6	9	78	9	78	71	819395	806016	<0.2		2.3								
IM4	Rainy	Moderate	10:18	7.5	Surface	1.0	0.3	168	28.2	7.8	7.8	8.2	8.2	74.5	74.4	5.6	8.2	6	62	6	62	69	819574	805057	<0.2	2.3	2.4									
						1.0	0.3	181	28.2	28.2	7.8	7.8	8.2	8.2	74.2	74.4	5.5	8.2	7	63	7	63	69	819574	805057	<0.2		2.5								
					Middle	3.8	0.2	183	28.0	28.0	7.8	7.8	10.1	10.1	69.6	69.5	5.2	8.4	8	66	8	66	69	819574	805057	<0.2		2.5								
						3.8	0.3	185	28.0	28.0	7.8	7.8	10.1	10.1	69.3	69.5	5.1	8.4	8	66	8	66	69	819574	805057	<0.2		2.4								
					Bottom	6.5	0.2	195	25.4	25.4	7.8	7.8	26.7	26.7	49.5	49.8	3.5	15.5	10	77	10	77	69	819574	805057	<0.2		2.3								
						6.5	0.2	196	25.3	25.3	7.8	7.8	26.7	26.7	50.0	49.8	3.5	15.7	8	78	8	78	69	819574	805057	<0.2		2.5								
IM5	Rainy	Moderate	10:26	7.1	Surface	1.0	0.2	130	28.3	7.9	7.9	5.8	5.8	74.9	74.2	5.7	12.2	9	62	9	62	69	820568	804909	<0.2	2.7	2.6									
						1.0	0.2	135	28.2	28.2	7.9	7.9	5.8	5.8	73.4	74.2	5.5	12.5	9	62	9	62	69	820568	804909	<0.2		2.5								
					Middle	3.6	0.2	136	27.8	27.8	7.8	7.8	11.8	11.7	62.3	62.2	4.6	18.8	8	68	8	68	69	820568	804909	<0.2		2.6								
						3.6	0.2	140	27.8	27.8	7.8	7.8	11.5	11.7	62.0	62.2	4.6	19.3	9	68	9	68	69	820568	804909	<0.2		2.6								
					Bottom	6.1	0.2	144	26.3	26.3	7.7	7.7	24.2	24.1	81.7	82.4	5.8	15.9	8	76	8	76	69	820568	804909	<0.2		2.6								
						6.1	0.2	157	26.4	26.4	7.7	7.7	23.9	24.1	83.0	82.4	5.9	14.4	10	77	10	77	69	820568	804909	<0.2		2.6								
IM6	Rainy	Moderate	10:36	6.8	Surface	1.0	0.2	165	27.5	7.8	7.8	15.0	15.0	70.4	70.4	5.1	10.4	9	71	9	71	74	821045	805820	<0.2	2.5	2.4									
						1.0	0.3	173	27.5	27.5	7.8	7.8	15.0	15.0	70.4	70.4	5.1	10.4	9	70	9	70	74	821045	805820	<0.2		2.4								
					Middle	3.4	0.2	164	27.0	27.0	7.8	7.8	19.1	19.1	66.8	66.8																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 July 17 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	Value	DA	Value	DA	Value
IM9	Cloudy	Moderate	11:00	7.0	Surface	1.0	0.5	157	28.6	7.8	7.8	8.8	8.8	68.7	68.7	5.1	8.8	7	67	73	822091	808794	<0.2	2.1	2.1										
						1.0	0.6	166	28.6	7.8	7.8	8.8	8.8	68.7	68.7	5.1	8.8	9	68	73	822091	808794	<0.2	2.1											
					Middle	3.5	0.3	138	27.9	27.9	7.8	7.8	16.3	16.3	57.3	57.3	4.1	9.1	10	75	73	822091	808794	<0.2					2.2						
						3.5	0.3	149	27.9	27.9	7.8	7.8	16.3	16.3	57.3	57.3	4.1	9.1	8	74	73	822091	808794	<0.2					2.2						
					Bottom	6.0	0.4	93	27.7	27.7	7.8	7.8	17.2	17.2	57.0	57.0	4.1	10.0	10	76	73	822091	808794	<0.2					2.0						
						6.0	0.4	94	27.7	27.7	7.8	7.8	17.2	17.2	57.0	57.0	4.1	10.0	10	76	73	822091	808794	<0.2					2.0						
IM10	Cloudy	Moderate	10:50	7.1	Surface	1.0	0.7	137	28.3	7.9	7.9	7.8	7.8	63.1	63.1	4.7	8.4	8	66	73	822221	809857	<0.2	2.8	2.7										
						1.0	0.7	139	28.3	7.9	7.9	7.8	7.8	63.1	63.1	4.7	8.4	7	66	73	822221	809857	<0.2	2.8											
					Middle	3.6	0.8	104	27.8	27.8	7.8	7.8	16.3	16.3	62.5	62.5	4.5	8.9	7	75	73	822221	809857	<0.2					2.8						
						3.6	0.8	107	27.8	27.8	7.8	7.8	16.2	16.3	62.5	62.5	4.5	8.8	7	74	73	822221	809857	<0.2					2.8						
					Bottom	6.1	0.7	93	27.6	27.6	7.8	7.8	18.8	18.8	58.0	58.0	4.1	9.6	7	77	73	822221	809857	<0.2					2.6						
						6.1	0.7	101	27.6	27.6	7.8	7.8	18.8	18.8	58.0	58.0	4.1	9.6	8	78	73	822221	809857	<0.2					2.5						
IM11	Cloudy	Moderate	10:33	8.2	Surface	1.0	0.6	126	28.7	8.0	8.0	7.4	7.4	83.5	83.5	6.2	9.2	7	66	70	821511	810549	<0.2	2.5	2.7										
						1.0	0.7	130	28.7	8.0	8.0	7.4	7.4	83.5	83.5	6.2	9.2	7	65	70	821511	810549	<0.2	2.8											
					Middle	4.1	0.6	94	28.2	28.2	7.9	7.9	11.2	11.2	67.5	67.5	4.9	10.8	5	70	70	821511	810549	<0.2					3.0						
						4.1	0.7	98	28.2	28.2	7.9	7.9	11.2	11.2	67.5	67.5	4.9	10.8	7	69	70	821511	810549	<0.2					3.4						
					Bottom	7.2	0.2	141	27.6	27.6	8.0	8.0	16.9	16.9	56.0	56.0	4.0	16.5	8	74	70	821511	810549	<0.2					2.3						
						7.2	0.2	150	27.6	27.6	8.0	8.0	16.9	16.9	56.0	56.0	4.0	16.5	8	75	70	821511	810549	<0.2					2.2						
IM12	Cloudy	Moderate	10:18	9.2	Surface	1.0	0.4	106	28.7	7.9	7.9	9.4	9.4	78.1	78.1	5.7	8.7	5	67	73	821157	811533	<0.2	2.8	2.6										
						1.0	0.4	106	28.7	7.9	7.9	9.4	9.4	78.1	78.1	5.7	8.7	6	68	73	821157	811533	<0.2	2.8											
					Middle	4.6	0.5	91	28.1	28.1	7.9	7.9	14.1	14.1	65.1	65.1	4.7	12.1	7	73	73	821157	811533	<0.2					2.6						
						4.6	0.5	99	28.1	28.1	7.9	7.9	14.1	14.1	65.1	65.1	4.7	12.1	6	74	73	821157	811533	<0.2					2.6						
					Bottom	8.2	0.4	73	27.8	27.8	7.9	7.9	21.0	21.0	77.5	77.5	5.4	15.3	5	78	73	821157	811533	<0.2					2.2						
						8.2	0.4	78	27.8	27.8	7.9	7.9	21.0	21.0	77.5	77.5	5.4	15.3	6	77	73	821157	811533	<0.2					2.3						
SR2	Cloudy	Moderate	09:49	5.4	Surface	1.0	0.5	79	28.0	7.9	7.9	11.1	11.1	73.4	73.4	5.4	11.5	8	68	72	821481	814153	<0.2	2.2	2.3										
						1.0	0.6	86	28.0	7.9	7.9	11.1	11.1	73.4	73.4	5.4	11.5	8	67	72	821481	814153	<0.2	2.4											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-
					Bottom	4.4	0.4	82	27.8	27.8	7.8	7.8	19.1	19.1	84.5	84.5	6.0	11.7	9	77	72	821481	814153	<0.2					2.3						
						4.4	0.4	84	27.8	27.8	7.8	7.8	19.1	19.1	84.5	84.5	6.0	11.7	9	77	72	821481	814153	<0.2					2.3						
SR3	Cloudy	Moderate	11:16	9.7	Surface	1.0	0.5	180	28.5	7.8	7.8	9.8	9.8	64.4	64.4	4.7	9.9	8	-	822155	807557	-	-												
						1.0	0.5	184	28.5	7.8	7.8	9.8	9.8	64.4	64.4	4.7	9.9	7	-	-	-	-													
					Middle	4.9	0.2	80	27.6	27.6	7.8	7.8	20.9	20.9	66.0	66.0	4.6	10.6	7	-	-	-	-					-	-	-	-	-	-		
						4.9	0.2	87	27.6	27.6	7.8	7.8	20.9	20.9	66.0	66.0	4.6	10.6	7	-	-	-	-					-	-	-	-	-			
					Bottom	8.7	0.6	68	27.1	27.1	7.8	7.8	26.6	26.6	67.6	67.6	4.6	11.4	10	-	-	-	-					-	-	-	-	-	-		
						8.7	0.7	74	27.1	27.1	7.8	7.8	26.6	26.6	67.6	67.6	4.6	11.4	9	-	-	-	-					-	-	-	-	-			
SR4A	Cloudy	Moderate	09:07	8.2	Surface	1.0	0.4	75	28.0	7.9	7.9	10.5	10.5	76.1	76.1	5.6	7.5	6	-	817197	807804	-	-												
						1.0	0.4	81	28.0	7.9	7.9	10.4	10.4	76.0	76.0	5.6	7.5	6	-	-	-														
					Middle	4.1	0.3	70	25.7	25.7	7.7	7.7	26.8	26.8	71.4	71.4	5.0	14.8	8	-	-	-	-					-	-	-	-				
						4.1	0.3	71	25.7	25.7	7.7	7.7	26.8	26.8	71.4	71.4	5.0	14.9	10	-	-	-	-					-	-	-					
					Bottom	7.2	0.2	76	25.2	25.2	7.7	7.7	29.4	29.4	58.6	59.1	4.1	17.8	15	-	-	-	-					-	-	-	-				
						7.2	0.2	78	25.2	25.2	7.7	7.7	29.4	29.4	59.5	59.1	4.2	17.8	16	-	-	-	-					-	-	-					
SR5A	Cloudy	Moderate	08:50	5.1	Surface	1.0	0.1	99	28.2	8.0	8.0	11.6	11.6	83.9	83.8	6.1	8.0	6	-	816602	810701	-	-												
						1.0	0.1	102	28.2	8.0	8.0	11.6	11.6	83.6	83.8	6.1	8.0	5	-	-	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-				
					Bottom	4.1	0.1	131	26.6	26.6	7.7	7.7	21.2	21.3	75.0	75.5	5.4	14.5	5	-	-	-	-					-	-	-	-				
						4.1	0.1	142	26.6	26.6	7.7	7.7	21.3	21.3	75.9	75.5	5.4	14.3	5	-	-	-	-					-	-	-					
SR6	Cloudy	Moderate	08:32	4.3	Surface	1.0	0.2	61	28.2	7.9	7.9	11.1	11.2	85.3	84.8	6.3	7.6	4	-	817904	814647	-	-												
						1.0	0.2	63	28.2	7.9	7.9	11.2	11.2	84.2	84.8	6.2	7.6	4	-	-	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-					
					Bottom	3.3	0.0	23	28.0	28.1	7.7	7.7	14.2	14.2	89.9	90.3	6.5	14.8	4	-	-	-	-					-	-	-					
						3.3	0.0	23	28.1	28.1	7.7	7.7	14.2	14.2	90.7	90.3	6.6	14.6	3	-	-	-	-					-	-						
SR7	Rainy	Moderate	08:57	15.2	Surface	1.0	0.4	64	27.4	7.9	7.9	15.6	15.6	74.9	74.9	5.4	5.2	3	-	823643	823755	-	-												
						1.0	0.4	69	27.4	27.4	7.9	7.9	15.6	15.6	74.9	74.9	5.4	5.2	3	-	-	-													
					Middle	7.6	0.2	15	27.0	27.0	7.9	7.9	18.5	18.5	68.5	68.5	4.9	5.0	3	-	-	-	-					-	-						
						7.6	0.2	15	27.0	27.0	7.9	7.9	18.5	1																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 July 17 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	Cloudy	Moderate	16:43	7.4	Surface	1.0	0.5	22	28.0	28.0	7.8	7.8	7.0	7.0	71.0	70.5	5.4	4.7	15.0	16.6	10	68	63	815624	804253	<0.2	2.8	2.7		
						1.0	0.6	23	28.0	28.0	7.8	7.8	7.0	7.0	69.9	70.5	5.3	4.7	15.2	16.6	11	62	62	815624	804253	<0.2	2.8			
					Middle	3.7	0.4	26	28.0	27.9	7.9	7.9	8.1	8.2	55.7	54.7	4.2	4.0	17.1	16.6	12	63	63	815624	804253	<0.2	2.8			
						3.7	0.5	26	27.8	27.9	7.8	7.9	8.2	8.2	53.6	54.7	4.0	4.0	17.6	16.6	12	64	64	815624	804253	<0.2	2.8			
					Bottom	6.4	0.2	25	26.3	26.4	7.7	7.7	22.3	22.3	59.0	60.5	4.2	4.4	17.5	16.6	12	77	77	815624	804253	<0.2	2.6			
						6.4	0.3	26	26.4	26.4	7.7	7.7	22.2	22.3	62.0	60.5	4.4	4.3	17.2	16.6	12	78	78	815624	804253	<0.2	2.4			
C2	Rainy	Moderate	15:03	11.5	Surface	1.0	1.4	13	29.2	29.2	7.8	7.8	4.1	4.1	71.6	71.6	5.4	4.5	11.0	12.5	9	70	61	825683	806926	<0.2	2.6	2.7		
						1.0	1.5	13	29.2	29.2	7.8	7.8	4.1	4.1	71.6	71.6	5.4	4.5	11.0	12.5	10	62	62	825683	806926	<0.2	2.6			
					Middle	5.8	1.1	13	27.8	27.8	7.8	7.8	13.0	13.6	49.0	49.0	3.6	3.6	11.5	12.5	11	72	72	825683	806926	<0.2	2.8			
						5.8	1.1	13	27.8	27.8	7.8	7.8	14.1	13.6	48.9	49.0	3.6	3.6	11.5	12.5	9	71	71	825683	806926	<0.2	2.8			
					Bottom	10.5	0.2	21	26.4	26.4	7.8	7.8	27.1	27.1	63.2	63.2	4.4	4.4	15.1	12.5	10	77	77	825683	806926	<0.2	2.7			
						10.5	0.2	21	26.4	26.4	7.8	7.8	27.1	27.1	63.2	63.2	4.4	4.4	15.1	12.5	11	76	76	825683	806926	<0.2	2.9			
C3	Cloudy	Moderate	16:48	13.2	Surface	1.0	0.2	262	28.4	28.4	8.0	8.0	11.1	11.1	74.1	74.1	5.4	5.0	6.8	10.2	5	72	68	822115	817812	<0.2	2.1	2.1		
						1.0	0.2	279	28.4	28.4	8.0	8.0	11.1	11.1	74.1	74.1	5.4	5.0	6.8	10.2	5	67	67	822115	817812	<0.2	1.9			
					Middle	6.6	0.2	260	28.0	28.0	8.0	8.0	14.7	14.7	62.7	62.7	4.5	4.5	7.5	10.2	5	72	72	822115	817812	<0.2	2.1			
						6.6	0.3	277	28.0	28.0	8.0	8.0	14.7	14.7	62.7	62.7	4.5	4.5	7.5	10.2	6	71	71	822115	817812	<0.2	2.2			
					Bottom	12.2	0.2	258	26.3	26.3	7.9	7.9	25.3	25.3	48.8	48.8	3.4	3.4	16.3	10.2	5	77	77	822115	817812	<0.2	2.2			
						12.2	0.2	281	26.3	26.3	7.9	7.9	25.3	25.3	48.8	48.8	3.4	3.4	16.3	10.2	5	77	77	822115	817812	<0.2	2.3			
IM1	Rainy	Moderate	16:07	6.3	Surface	1.0	0.7	21	28.0	28.0	7.9	7.9	7.1	7.1	66.5	66.5	5.0	4.8	16.3	16.3	10	69	62	818350	806475	<0.2	2.9	2.7		
						1.0	0.8	21	28.0	28.0	7.9	7.9	7.0	7.1	66.5	66.5	5.0	4.8	16.7	16.3	10	63	63	818350	806475	<0.2	2.8			
					Middle	3.2	0.4	20	25.7	25.7	7.8	7.8	21.7	21.7	64.5	64.5	4.6	4.6	16.5	16.3	11	65	65	818350	806475	<0.2	2.9			
						3.2	0.5	20	25.7	25.7	7.7	7.8	21.7	21.7	64.5	64.5	4.6	4.6	16.1	16.3	10	66	66	818350	806475	<0.2	2.8			
					Bottom	5.3	0.3	22	26.4	26.4	7.7	7.7	25.5	25.5	71.6	71.6	5.0	5.0	16.1	16.3	12	78	78	818350	806475	<0.2	2.5			
						5.3	0.3	23	26.4	26.4	7.7	7.7	25.5	25.5	71.6	71.6	5.0	5.0	16.1	16.3	11	78	78	818350	806475	<0.2	2.4			
IM2	Rainy	Moderate	15:59	6.5	Surface	1.0	0.8	29	28.0	28.0	7.8	7.8	7.6	7.6	71.4	70.8	5.4	5.0	15.3	16.1	12	69	63	818837	806181	<0.2	2.9	2.7		
						1.0	0.8	30	28.0	28.0	7.8	7.8	7.6	7.6	70.2	70.8	5.3	5.0	15.4	16.1	12	64	64	818837	806181	<0.2	2.8			
					Middle	3.3	0.6	23	28.0	28.0	7.9	7.9	8.3	8.4	63.2	61.9	4.7	4.7	16.4	16.1	12	66	66	818837	806181	<0.2	2.9			
						3.3	0.6	24	28.0	28.0	7.9	7.9	8.4	8.4	60.5	61.9	4.5	4.5	17.0	16.1	12	65	65	818837	806181	<0.2	2.8			
					Bottom	5.5	0.2	23	26.6	26.7	7.7	7.7	22.3	22.2	75.0	75.3	5.3	5.4	16.2	16.1	12	76	76	818837	806181	<0.2	2.4			
						5.5	0.2	23	26.7	26.7	7.7	7.7	22.0	22.2	75.5	75.3	5.4	5.4	16.2	16.1	13	77	77	818837	806181	<0.2	2.4			
IM3	Rainy	Moderate	15:50	6.4	Surface	1.0	0.7	24	28.0	28.0	7.8	7.8	6.7	6.7	76.3	76.3	5.8	5.7	15.5	11.1	12	67	61	819416	806025	<0.2	2.8	2.6		
						1.0	0.8	24	28.0	28.0	7.8	7.8	6.7	6.7	76.2	76.3	5.8	5.7	15.5	11.1	12	62	62	819416	806025	<0.2	2.7			
					Middle	3.2	0.6	27	28.0	28.0	7.8	7.8	8.2	8.2	74.7	74.7	5.6	5.6	16.5	11.1	12	64	64	819416	806025	<0.2	2.9			
						3.2	0.6	28	28.0	28.0	7.8	7.8	8.1	8.1	74.6	74.7	5.6	5.6	16.8	11.1	12	64	64	819416	806025	<0.2	2.8			
					Bottom	5.4	0.1	22	27.1	27.5	7.8	7.8	20.3	19.9	91.4	91.4	6.5	6.5	1.2	10.2	10	76	76	819416	806025	<0.2	2.2			
						5.4	0.1	22	27.9	27.9	7.8	7.8	19.5	19.9	91.3	91.3	6.4	6.4	1.2	10.2	12	77	77	819416	806025	<0.2	2.4			
IM4	Rainy	Moderate	15:43	6.5	Surface	1.0	0.4	23	28.0	28.0	7.8	7.8	8.7	8.7	72.2	71.8	5.4	5.3	13.4	14.7	7	68	63	819563	805037	<0.2	2.5	2.4		
						1.0	0.5	24	27.9	27.9	7.8	7.8	8.6	8.6	71.4	71.8	5.3	5.3	13.6	14.7	9	63	63	819563	805037	<0.2	2.4			
					Middle	3.3	0.2	27	27.8	27.9	7.8	7.8	10.3	10.3	69.6	69.4	5.2	5.2	13.5	14.7	9	67	67	819563	805037	<0.2	2.4			
						3.3	0.2	28	27.9	27.9	7.8	7.8	10.3	10.3	69.1	69.4	5.1	5.1	14.1	14.7	11	68	68	819563	805037	<0.2	2.4			
					Bottom	5.5	0.2	22	27.4	27.4	7.8	7.8	16.0	16.0	54.3	54.3	3.9	3.9	16.8	14.7	12	74	74	819563	805037	<0.2	2.3			
						5.5	0.2	24	27.4	27.4	7.8	7.8	16.0	16.0	54.3	54.3	3.9	3.9	16.8	14.7	11	73	73	819563	805037	<0.2	2.4			
IM5	Rainy	Moderate	15:33	6.7	Surface	1.0	0.4	25	28.0	28.0	7.8	7.8	8.4	8.4	72.1	72.0	5.4	5.1	12.2	13.1	11	69	63	820579	804931	<0.2	2.3	2.3		
						1.0	0.4	25	28.0	28.0	7.8	7.8	8.4	8.4	71.9	72.0	5.4	5.1	12.2	13.1	11	62	62	820579	804931	<0.2	2.4			
					Middle	3.4	0.3	45	27.8	27.8	7.9	7.9	10.4	10.5	63.6	63.3	4.7	4.7	13.3	13.1	12	67	67	820579	804931	<0.2	2.4			
						3.4	0.3	49	27.7	27.7	7.9	7.9	10.5	10.5	63.0	63.3	4.7	4.7	13.7	13.1	10	68	68	820579	804931	<0.2	2.4			
					Bottom	5.7	0.2	58	26.4	26.4	7.8	7.8	22.8	23.0	82.2	82.8	5.8	5.9	13.6	13.1	13	75	75	820579	804931	<0.2	2.0			
						5.7	0.2	63	26.4	26.4	7.8	7.8	23.1	23.0	83.4	82.8	5.9	5.9	13.3	13.1	12	76	76	820579	804931	<0.2	2.2			
IM6	Rainy	Moderate	15:21	7.4	Surface	1.0	0.2	36	27.8	27.8	7.8	7.8	10.5	10.6	69.0	68.9	5.1	4.9	10.5	12.4	10	68	63	821058	805815	<0.2	2.3	2.3		
						1.0	0.2	39	27.8	27.8	7.8	7.8	10.6	10.6	68.8	68.9	5.1	4.9	10.5	12.4	12	64	64	821058	805815	<0.2	2.4			
					Middle	3.7	0.4	25	27.3	27.3																				





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

Water Quality Monitoring

Water Quality Monitoring Results on 06 July 17 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
C1	Cloudy	Moderate	10:59	8.4	Surface	1.0	0.8	200	27.6	7.8	7.8	10.3	10.3	71.6	71.6	5.3	5.0	6.0	8.6	5	6	61	64	815636	804248	<0.2	<0.2	3.1	3.1							
						1.0	0.8	213	27.6	7.8	7.8	10.3	10.3	71.5	71.5	5.3	5.0	5.9	8.6	6	6	62	64	64	64	<0.2	<0.2	2.8	2.8							
						4.2	0.6	219	27.3	7.8	7.8	14.3	14.3	64.8	64.8	4.7	4.7	5.5	8.6	7	7	64	64	64	64	<0.2	<0.2	3.3	3.3							
					4.2	0.7	222	27.3	7.8	7.8	14.3	14.3	64.7	64.7	4.7	4.7	5.5	8.6	6	6	64	64	64	64	<0.2	<0.2	3.1	3.1								
					7.4	0.7	239	26.3	7.8	7.8	19.9	19.9	50.1	50.1	3.6	3.6	14.3	14.3	7	7	66	66	66	66	<0.2	<0.2	2.3	2.3								
					7.4	0.7	259	26.2	7.8	7.8	19.9	19.9	50.1	50.1	3.6	3.6	14.6	14.6	6	6	67	67	67	67	<0.2	<0.2	3.3	3.3								
C2	Cloudy	Moderate	13:16	9.6	Surface	1.0	1.4	186	28.0	7.6	7.6	3.1	3.1	58.6	58.4	4.5	4.2	20.4	18.4	15	15	61	64	825699	806925	<0.2	<0.2	3.3	3.3							
						1.0	1.4	188	28.0	7.6	7.6	3.1	3.1	58.2	58.4	4.5	4.2	20.4	18.4	15	15	62	64	64	64	<0.2	<0.2	2.8	2.8							
						4.8	0.7	178	27.4	7.6	7.6	10.5	10.5	50.6	50.8	3.8	3.8	19.1	18.4	15	16	64	65	65	65	<0.2	<0.2	3.0	3.0							
					4.8	0.8	193	27.3	7.6	7.6	10.5	10.5	50.9	50.8	3.8	3.8	18.8	18.4	16	16	65	65	65	65	<0.2	<0.2	2.7	2.7								
					8.6	0.2	211	26.7	7.7	7.7	17.6	17.6	59.7	59.7	4.3	4.3	15.9	15.9	18	18	66	66	66	66	<0.2	<0.2	2.3	2.3								
					8.6	0.3	224	26.7	7.7	7.7	18.0	17.8	60.9	60.3	4.4	4.4	15.9	15.9	17	17	67	67	67	67	<0.2	<0.2	2.2	2.2								
C3	Cloudy	Moderate	10:33	12.7	Surface	1.0	0.4	138	27.1	7.9	7.9	18.2	18.2	67.3	67.3	4.8	4.8	6.2	5.6	6	7	72	75	822123	817789	<0.2	<0.2	2.1	2.1							
						1.0	0.4	150	27.1	7.9	7.9	18.2	18.2	67.2	67.3	4.8	4.8	6.3	5.6	7	7	72	75	75	75	<0.2	<0.2	2.2	2.2							
						6.4	0.1	340	26.9	7.9	7.9	19.9	19.9	66.2	66.3	4.7	4.7	5.4	5.6	8	7	75	75	75	75	<0.2	<0.2	2.6	2.6							
					6.4	0.1	346	26.9	7.9	7.9	19.9	19.9	66.3	66.3	4.7	4.7	5.4	5.6	8	7	76	76	76	76	<0.2	<0.2	2.5	2.5								
					11.7	0.2	4	26.9	7.9	7.9	20.1	20.1	67.4	67.4	4.8	4.8	5.2	5.6	7	7	78	78	78	78	<0.2	<0.2	2.3	2.3								
					11.7	0.2	4	26.9	7.9	7.9	20.1	20.1	67.4	67.4	4.8	4.8	5.2	5.6	7	7	76	76	76	76	<0.2	<0.2	2.0	2.0								
IM1	Cloudy	Moderate	11:24	7.1	Surface	1.0	1.0	175	27.5	7.8	7.8	11.9	11.9	72.0	72.0	5.3	4.5	7.4	10.8	7	8	64	68	818331	806449	<0.2	<0.2	3.0	3.2							
						1.0	1.0	180	27.5	7.8	7.8	11.8	11.9	72.0	72.0	5.3	4.5	7.4	10.8	8	10	64	67	64	67	<0.2	<0.2	3.1	3.1							
						3.6	0.7	179	26.7	7.8	7.8	18.1	18.1	50.9	50.9	3.7	3.7	12.0	10.8	10	10	67	67	67	67	<0.2	<0.2	4.7	4.7							
					3.6	0.8	187	26.7	7.8	7.8	18.0	18.1	50.9	50.9	3.7	3.7	12.0	10.8	9	10	67	67	67	67	<0.2	<0.2	3.1	3.1								
					6.1	0.1	182	25.6	7.7	7.7	25.8	25.8	40.5	40.5	2.9	2.9	12.9	10.8	14	10	72	72	72	72	<0.2	<0.2	2.8	2.8								
					6.1	0.1	197	25.6	7.7	7.7	25.8	25.8	40.5	40.5	2.9	2.9	12.9	10.8	13	10	71	71	71	71	<0.2	<0.2	2.7	2.7								
IM2	Cloudy	Moderate	11:33	8.6	Surface	1.0	1.1	196	27.6	7.8	7.8	9.6	9.6	70.8	70.8	5.3	4.7	7.9	11.8	6	7	62	66	818854	806207	<0.2	<0.2	3.1	3.4							
						1.0	1.1	207	27.6	7.8	7.8	9.6	9.6	70.7	70.8	5.3	4.7	7.9	11.8	7	9	62	67	62	67	<0.2	<0.2	3.4	3.3							
						4.3	0.8	205	27.0	7.9	7.9	16.7	16.7	55.5	55.5	4.0	4.0	11.1	11.8	10	9	67	67	67	67	<0.2	<0.2	3.4	3.4							
					4.3	0.9	206	27.0	7.9	7.9	16.7	16.7	55.5	55.5	4.0	4.0	11.1	11.8	11	9	67	67	67	67	<0.2	<0.2	3.4	3.3								
					7.6	0.3	180	25.7	7.7	7.7	25.3	25.3	40.2	40.3	2.8	2.8	16.3	11.8	10	10	69	69	69	69	<0.2	<0.2	3.1	3.1								
					7.6	0.4	184	25.7	7.7	7.7	25.3	25.3	40.4	40.3	2.9	2.9	16.2	11.8	10	10	69	69	69	69	<0.2	<0.2	3.1	3.1								
IM3	Cloudy	Moderate	11:44	8.0	Surface	1.0	0.8	236	27.6	7.8	7.8	9.5	9.5	69.1	69.1	5.2	4.9	9.1	15.2	9	10	64	68	819421	806030	<0.2	<0.2	3.2	3.4							
						1.0	0.9	255	27.6	7.8	7.8	9.5	9.5	69.0	69.1	5.2	4.9	9.1	15.2	11	10	64	69	64	69	<0.2	<0.2	3.4	3.4							
						4.0	0.7	250	27.4	7.8	7.8	12.6	12.6	61.2	61.2	4.5	4.5	9.4	15.2	10	10	69	69	69	69	<0.2	<0.2	3.6	3.6							
					4.0	0.8	263	27.4	7.8	7.8	12.6	12.6	61.2	61.2	4.5	4.5	9.4	15.2	10	10	69	69	69	69	<0.2	<0.2	3.6	3.6								
					7.0	0.5	243	26.2	7.8	7.8	21.9	21.9	47.5	47.6	3.4	3.4	27.2	15.2	10	8	72	72	72	72	<0.2	<0.2	3.3	3.3								
					7.0	0.5	249	26.2	7.8	7.8	21.9	21.9	47.7	47.6	3.4	3.4	27.2	15.2	10	8	72	72	72	72	<0.2	<0.2	3.2	3.2								
IM4	Cloudy	Moderate	11:52	7.5	Surface	1.0	0.7	181	27.8	7.7	7.7	7.1	7.1	70.7	70.7	5.3	5.1	9.2	12.0	7	8	62	67	819561	805029	<0.2	<0.2	3.0	2.7							
						1.0	0.8	188	27.8	7.7	7.7	7.1	7.1	70.6	70.7	5.3	5.1	9.2	12.0	9	8	61	67	61	67	<0.2	<0.2	2.7	2.7							
						3.8	0.4	199	27.4	7.8	7.8	11.3	11.3	64.9	64.9	4.8	4.8	10.6	12.0	7	7	67	68	67	68	<0.2	<0.2	3.0	3.0							
					3.8	0.5	207	27.4	7.8	7.8	11.3	11.3	64.8	64.8	4.8	4.8	10.6	12.0	8	8	68	68	68	68	<0.2	<0.2	2.2	2.2								
					6.5	0.1	218	26.7	7.8	7.8	17.6	17.6	54.9	54.9	4.0	4.0	16.1	12.0	9	8	71	71	71	71	<0.2	<0.2	3.0	3.0								
					6.5	0.2	234	26.7	7.8	7.8	17.6	17.6	54.9	54.9	4.0	4.0	16.1	12.0	9	8	71	71	71	71	<0.2	<0.2	2.4	2.4								
IM5	Cloudy	Moderate	12:04	7.1	Surface	1.0	1.0	189	27.7	7.7	7.7	5.2	5.2	66.7	66.7	5.1	5.0	10.1	13.6	10	11	61	66	820544	804938	<0.2	<0.2	2.3	2.2							
						1.0	1.1	201	27.7	7.7	7.7	5.2	5.2	66.7	66.7	5.1	5.0	10.2	13.6	12	11	61	66	61	66	<0.2	<0.2	2.4	2.4							
						3.6	0.9	197	27.5	7.7	7.7	11.2	11.2	65.1	65.1	4.8	4.8	13.1	13.6	11	11	66	66	66	66	<0.2	<0.2	2.0	2.0							
					3.6	1.0	198	27.5	7.7	7.7	11.2	11.2	65.0	65.1	4.8	4.8	13.1	13.6	11	11	66	66	66	66	<0.2	<0.2	2.0	2.0								
					6.1	0.8	218	26.8	7.8	7.8	17.5	17.5	53.5	53.5	3.9	3.9	17.5	13.6	12	10	71	71	71	71	<0.2	<0.2	2.3	2.3								
					6.1	0.8	224	26.8	7.8	7.8	17.4	17.5	53.6	53.6	3.9	3.9	17.6	13.6	11	10	71	71	71	71	<0.2	<0.2	2.1	2.1								
IM6	Cloudy	Moderate	12:17	6.6	Surface	1.0																														



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

Water Quality Monitoring

Water Quality Monitoring Results on 06 July 17 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	Cloudy	Moderate	18:10	7.6	Surface	1.0	0.7	30	27.4	7.9	7.9	10.6	10.6	68.5	68.5	5.1	8.8	11	62	64	815611	804264	<0.2	2.6	2.8												
						1.0	0.7	32	27.4	7.9	7.9	10.6	10.6	68.5	68.5	5.1	8.8	10	62	64	<0.2	2.5															
					Middle	3.8	0.2	27	26.6	26.6	7.8	7.8	19.1	19.1	47.1	47.1	3.4	14.2	10	64	64	<0.2	2.9														
						3.8	0.2	28	26.6	26.6	7.8	7.8	19.1	19.1	47.1	47.1	3.4	14.1	11	64	64	<0.2	3.2														
					Bottom	6.6	0.1	66	26.4	26.4	7.8	7.8	20.5	20.5	50.6	50.6	3.6	15.9	11	67	67	<0.2	2.9														
						6.6	0.1	67	26.4	26.4	7.8	7.8	20.5	20.5	50.6	50.6	3.6	15.9	10	67	67	<0.2	2.6														
C2	Rainy	Moderate	16:49	10.1	Surface	1.0	1.3	10	27.8	7.5	7.5	3.4	3.4	56.0	56.1	4.3	10.2	11	62	65	825696	806954	<0.2	2.2	2.0												
						1.0	1.4	10	27.8	7.5	7.5	3.4	3.4	56.2	56.1	4.3	10.2	11	61	61	<0.2	2.1															
					Middle	5.1	0.8	11	27.3	27.3	7.6	7.7	11.5	11.8	44.3	44.3	3.3	12.8	13	65	65	<0.2	2.0														
						5.1	0.8	11	27.3	27.3	7.7	7.7	12.1	11.8	44.2	44.3	3.3	12.8	13	64	64	<0.2	1.9														
					Bottom	9.1	0.3	10	27.6	27.6	7.5	7.5	14.9	14.9	50.9	50.9	3.7	16.6	18	70	70	<0.2	2.1														
						9.1	0.3	10	27.6	27.6	7.4	7.5	14.6	14.8	51.0	51.0	3.7	16.6	17	69	69	<0.2	1.9														
C3	Cloudy	Moderate	19:23	13.5	Surface	1.0	0.4	254	28.0	28.0	7.9	7.9	13.2	13.2	74.4	74.1	5.4	6.2	4	64	68	822126	817817	<0.2	2.3	2.3											
						1.0	0.4	269	28.0	28.0	7.9	7.9	13.2	13.2	73.7	74.1	5.4	6.1	4	64	64	<0.2	2.4														
					Middle	6.8	0.3	260	27.7	27.7	7.9	7.9	14.6	14.6	66.1	65.9	4.8	6.8	6	70	70	<0.2	2.3														
						6.8	0.3	275	27.7	27.7	7.9	7.9	14.6	14.6	65.7	65.9	4.8	6.9	5	69	69	<0.2	2.2														
					Bottom	12.5	0.5	282	27.2	27.2	7.8	7.8	18.1	18.1	68.4	70.2	4.9	7.2	8	71	71	<0.2	2.1														
						12.5	0.5	297	27.2	27.2	7.8	7.8	18.1	18.1	72.0	70.2	5.2	7.3	7	72	72	<0.2	2.3														
IM1	Cloudy	Moderate	17:50	6.8	Surface	1.0	0.5	18	27.4	27.4	7.8	7.8	10.7	10.8	68.3	68.4	5.1	12.5	16	62	67	818345	806460	<0.2	2.3	2.3											
						1.0	0.5	19	27.4	27.4	7.8	7.8	10.8	10.8	68.4	68.4	5.1	12.4	16	62	62	<0.2	2.2														
					Middle	3.4	0.1	24	27.4	27.4	7.8	7.8	12.6	12.6	70.0	70.0	5.2	16.8	17	68	68	<0.2	2.3														
						3.4	0.1	26	27.4	27.4	7.8	7.8	12.6	12.6	70.0	70.0	5.2	16.8	16	67	67	<0.2	2.6														
					Bottom	5.8	0.3	2	27.3	27.3	7.9	7.9	15.3	15.3	45.6	45.6	3.3	19.1	16	72	72	<0.2	2.2														
						5.8	0.4	2	27.3	27.3	7.9	7.9	15.3	15.3	45.6	45.6	3.3	19.1	16	71	71	<0.2	2.2														
IM2	Cloudy	Moderate	17:42	8.0	Surface	1.0	1.0	22	27.5	27.5	7.6	7.6	6.9	6.9	61.1	61.1	4.6	9.8	16	63	67	818865	806181	<0.2	3.1	3.1											
						1.0	1.1	23	27.5	27.5	7.6	7.6	6.9	6.9	61.1	61.1	4.6	9.8	15	63	63	<0.2	2.9														
					Middle	4.0	0.8	25	27.1	27.1	7.7	7.7	13.3	13.4	60.8	60.8	4.6	14.1	17	67	67	<0.2	3.1														
						4.0	0.8	26	27.1	27.1	7.7	7.7	13.4	13.4	60.7	60.8	4.5	14.2	16	67	67	<0.2	3.3														
					Bottom	7.0	0.1	29	26.6	26.6	7.8	7.8	18.6	18.6	49.1	49.2	3.6	18.3	17	71	71	<0.2	3.1														
						7.0	0.1	30	26.6	26.6	7.8	7.8	18.6	18.6	49.2	49.2	3.6	18.3	17	71	71	<0.2	3.3														
IM3	Cloudy	Moderate	17:36	7.6	Surface	1.0	0.8	25	27.5	27.5	7.6	7.6	7.4	7.4	62.3	62.3	4.7	14.2	16	64	68	819422	806013	<0.2	3.5	3.2											
						1.0	0.8	26	27.5	27.5	7.6	7.6	7.4	7.4	62.3	62.3	4.7	14.2	17	64	64	<0.2	3.3														
					Middle	3.8	0.8	25	27.2	27.2	7.7	7.7	11.8	11.8	57.8	57.8	4.3	17.4	16	68	68	<0.2	3.2														
						3.8	0.8	25	27.2	27.2	7.7	7.7	11.8	11.8	57.7	57.8	4.3	17.4	15	68	68	<0.2	2.9														
					Bottom	6.6	0.4	25	26.4	26.4	7.8	7.8	19.9	19.9	52.1	52.2	3.8	20.2	18	71	71	<0.2	3.2														
						6.6	0.5	25	26.4	26.4	7.8	7.8	19.9	19.9	52.2	52.2	3.8	20.2	18	72	72	<0.2	3.3														
IM4	Cloudy	Moderate	17:20	6.9	Surface	1.0	0.1	12	27.2	27.2	7.7	7.7	11.1	11.2	59.4	59.4	4.4	12.6	15	61	66	819585	805025	<0.2	3.0	2.9											
						1.0	0.1	12	27.2	27.2	7.7	7.7	11.2	11.2	59.4	59.4	4.4	12.5	15	62	62	<0.2	2.7														
					Middle	3.5	0.1	15	27.1	27.1	7.7	7.7	12.2	12.2	61.1	61.1	4.6	15.7	15	67	67	<0.2	2.9														
						3.5	0.1	15	27.1	27.1	7.7	7.7	12.2	12.2	61.1	61.1	4.6	15.7	16	67	67	<0.2	2.9														
					Bottom	5.9	0.1	18	27.1	27.1	7.7	7.7	12.9	12.9	57.5	57.6	4.3	18.9	17	69	69	<0.2	3.1														
						5.9	0.1	18	27.1	27.1	7.7	7.7	12.9	12.9	57.6	57.6	4.3	18.9	19	69	69	<0.2	2.8														
IM5	Cloudy	Moderate	17:11	6.7	Surface	1.0	0.5	27	27.4	27.4	7.7	7.7	8.3	8.4	64.2	64.2	4.9	10.7	12	62	67	820565	804910	<0.2	2.2	2.2											
						1.0	0.6	29	27.4	27.4	7.7	7.7	8.4	8.4	64.1	64.2	4.8	10.7	12	63	63	<0.2	2.3														
					Middle	3.4	0.6	23	27.1	27.1	7.6	7.6	11.1	11.1	57.8	57.8	4.3	14.6	12	67	67	<0.2	2.1														
						3.4	0.7	24	27.1	27.1	7.6	7.6	11.1	11.1	57.7	57.8	4.3	14.6	12	67	67	<0.2	2.0														
					Bottom	5.7	0.8	23	26.7	26.7	7.7	7.7	16.8	16.8	51.7	51.7	3.8	16.8	12	71	71	<0.2	2.5														
						5.7	0.8	24	26.7	26.7	7.7	7.7	16.8	16.8	51.7	51.7	3.8	16.8	12	71	71	<0.2	2.3														
IM6	Cloudy	Moderate	17:02	6.2	Surface	1.0	0.4	21	27.2	27.2	7.7	7.7	10.2	10.3	60.8	60.8	4.6	13.5	12	65	68	821067	805844	<0.2	2.6	2.4											
						1.0	0.4	21	27.2	27.2	7.7	7.7	10.4	10.3	60.7	60.8	4.5	13.5	13	65	65	<0.2	2.3														
					Middle	3.1	0.6	23	26.9	26.9	7.6	7.6	13.5	13.5	60.8	60.8	4.5	14.9	12	68	68	<0.2	2.5														
						3.1	0.6	24	26.9	26.9	7.6	7.6	13.5	13.5	60.7	60.8	4.5	14.9	12	68	68	<0.2	2.4														
					Bottom	5.2	0.7	23	26.7	26.7	7.7	7.7	17.5	17.5	52.9	53.0	3.9	19.0	12	72	72	<0.2	2.3														
						5.2	0.7	23	26.7	26.7	7.7	7.7	17.5	17.5	53.0	53.0	3.9	19.1	11	72	72	<0.2	2.2														
IM7	Cloudy	Moderate	16:55	7.4	Surface	1.0	1.0	26	27.1	27.1	7.6	7.6	10.9	10.9	64.1	64.1	4.8	11.8	12	64	68	821344	806815	<0.2	3.5	3.1											
						1.0	1.0	26	27.1	27.1	7.6	7.6	10.9	10.9	64.1	64.1	4.8	11.8	11	64	64	<0.2	3.3														
					Middle	3.7	0.7	27	26.8	26.8	7.6	7.6	14.4	14.4	60.5	60.6	4.4	14.1	14	67	67	<0.2	3.5														
						3.7	0.7	29	26.8	26.8	7.6	7.6	14.4	14.4	60.6	60.6	4.4	14.1	14	67	67	<0.2	3.2														
					Bottom	6.4	0.7	25																													

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 July 17 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
IM9	Cloudy	Moderate	17:41	6.2	Surface	1.0	0.7	268	28.1	7.5	7.5	6.1	6.1	58.6	58.6	4.4	4.4	10.5	10.5	12	62	62	66	822111	808829	<0.2	<0.2	2.2	2.6							
						1.0	0.7	285	28.1	28.1	7.5	7.5	6.1	6.1	58.6	58.6	4.4	4.4	10.5	10.5	11	63	63	66	822111	808829	<0.2	<0.2	2.4	2.6						
					Middle	3.1	0.4	245	28.1	28.1	7.6	7.6	10.7	10.7	57.6	57.7	4.3	4.4	13.8	13.9	11	67	68	66	822111	808829	<0.2	<0.2	2.4	2.6						
						3.1	0.4	253	28.1	28.1	7.6	7.6	10.7	10.7	57.7	57.7	4.3	4.4	13.9	13.9	11	68	68	66	822111	808829	<0.2	<0.2	2.7	2.6						
					Bottom	5.2	0.3	258	28.0	28.0	7.6	7.6	11.2	11.2	59.1	59.5	4.3	4.4	14.6	14.6	16	69	69	66	822111	808829	<0.2	<0.2	3.0	2.6						
						5.2	0.3	277	28.0	28.0	7.6	7.6	11.2	11.2	59.8	59.5	4.4	4.4	14.6	14.6	15	68	68	66	822111	808829	<0.2	<0.2	2.8	2.6						
IM10	Cloudy	Moderate	17:48	6.3	Surface	1.0	0.7	252	28.3	28.4	7.6	7.6	7.2	7.1	66.8	66.9	5.0	5.0	10.2	10.2	11	61	61	64	822224	809834	<0.2	<0.2	4.0	4.3						
						1.0	0.7	254	28.4	28.4	7.6	7.6	7.0	7.1	66.9	66.9	5.0	5.0	10.2	10.2	11	62	62	64	822224	809834	<0.2	<0.2	4.1	4.3						
					Middle	3.2	0.4	268	28.1	28.1	7.6	7.6	8.5	8.5	63.8	64.0	4.8	4.8	14.5	14.5	11	64	64	64	822224	809834	<0.2	<0.2	4.2	4.3						
						3.2	0.4	277	28.1	28.1	7.6	7.6	8.5	8.5	64.2	64.0	4.8	4.8	14.5	14.5	11	63	63	64	822224	809834	<0.2	<0.2	4.6	4.3						
					Bottom	5.3	0.4	291	27.9	27.9	7.6	7.6	9.6	9.6	74.2	74.2	5.5	5.5	17.0	17.0	12	67	67	64	822224	809834	<0.2	<0.2	4.5	4.3						
						5.3	0.4	318	27.9	27.9	7.6	7.6	9.6	9.6	74.2	74.2	5.5	5.5	17.0	17.0	11	66	66	64	822224	809834	<0.2	<0.2	4.2	4.3						
IM11	Cloudy	Moderate	18:03	8.2	Surface	1.0	0.5	322	28.5	28.5	7.6	7.6	6.0	6.0	67.1	66.9	5.0	5.0	11.3	11.3	11	61	61	64	821490	810553	<0.2	<0.2	4.9	4.8						
						1.0	0.5	326	28.4	28.4	7.6	7.6	5.9	6.0	66.7	66.9	5.0	5.0	11.3	11.3	12	62	62	64	821490	810553	<0.2	<0.2	4.6	4.8						
					Middle	4.1	0.4	301	28.2	28.2	7.6	7.6	8.6	8.7	60.4	60.5	4.5	4.5	14.3	14.3	12	63	63	64	821490	810553	<0.2	<0.2	4.7	4.8						
						4.1	0.4	315	28.2	28.2	7.6	7.6	8.7	8.7	60.6	60.5	4.5	4.5	14.3	14.3	12	64	64	64	821490	810553	<0.2	<0.2	5.1	4.8						
					Bottom	7.2	0.2	278	28.1	28.1	7.6	7.6	10.1	10.2	61.2	62.2	4.5	4.6	16.2	16.2	11	68	68	64	821490	810553	<0.2	<0.2	4.8	4.8						
						7.2	0.3	287	28.1	28.1	7.6	7.6	10.3	10.2	63.1	62.2	4.7	4.6	16.2	16.2	11	67	67	64	821490	810553	<0.2	<0.2	4.6	4.8						
IM12	Cloudy	Moderate	18:20	7.0	Surface	1.0	0.4	291	28.3	28.3	7.6	7.6	6.8	6.9	65.9	65.8	4.9	4.9	10.2	10.2	11	62	62	66	821156	811531	<0.2	<0.2	4.0	4.0						
						1.0	0.4	313	28.3	28.3	7.6	7.6	6.9	6.9	65.6	65.8	4.9	4.9	10.2	10.2	12	62	62	66	821156	811531	<0.2	<0.2	4.2	4.0						
					Middle	3.5	0.3	301	28.1	28.1	7.7	7.7	8.8	8.8	59.4	59.4	4.4	4.4	12.3	12.3	12	63	63	66	821156	811531	<0.2	<0.2	3.9	4.0						
						3.5	0.3	330	28.1	28.1	7.7	7.7	8.8	8.8	59.4	59.4	4.4	4.4	12.3	12.3	11	63	63	66	821156	811531	<0.2	<0.2	4.3	4.0						
					Bottom	6.0	0.3	284	27.5	27.5	7.7	7.7	21.0	21.0	72.1	72.1	5.1	5.1	15.7	15.7	11	72	72	66	821156	811531	<0.2	<0.2	3.8	4.0						
						6.0	0.3	286	27.5	27.5	7.7	7.7	21.0	21.0	72.1	72.1	5.1	5.1	15.7	15.7	12	73	73	66	821156	811531	<0.2	<0.2	3.5	4.0						
SR2	Cloudy	Moderate	18:51	5.4	Surface	1.0	0.3	279	28.1	28.1	7.8	7.8	8.5	8.5	69.8	69.9	5.2	5.2	11.6	11.6	9	63	63	66	821448	814166	<0.2	<0.2	3.6	3.8						
						1.0	0.3	294	28.1	28.1	7.8	7.8	8.5	8.5	70.0	69.9	5.2	5.2	11.6	11.6	10	63	63	66	821448	814166	<0.2	<0.2	3.6	3.8						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	66	821448	814166	<0.2	<0.2	-	3.8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	66	821448	814166	<0.2	<0.2	-	3.8			
					Bottom	4.4	0.4	261	28.0	28.0	7.9	7.9	15.3	15.3	72.2	72.2	5.2	5.2	11.9	11.9	10	68	68	66	821448	814166	<0.2	<0.2	3.9	3.8						
						4.4	0.5	269	28.0	28.0	7.9	7.9	15.3	15.3	72.2	72.2	5.2	5.2	11.9	11.9	11	68	68	66	821448	814166	<0.2	<0.2	3.9	3.8						
SR3	Rainy	Moderate	17:23	7.8	Surface	1.0	1.1	17	27.7	27.7	7.6	7.6	2.6	2.6	61.5	61.4	4.8	4.8	11.0	11.0	12	-	-	-	822158	807577	-	-	-	-						
						1.0	1.1	17	27.7	27.7	7.6	7.6	2.6	2.6	61.3	61.4	4.8	4.8	11.0	11.0	12	-	-	-	822158	807577	-	-	-	-						
					Middle	3.9	0.8	18	27.6	27.6	7.6	7.6	11.4	11.2	48.0	47.9	3.6	3.6	13.2	13.2	16	-	-	-	-	822158	807577	-	-	-	-					
						3.9	0.8	19	27.6	27.6	7.6	7.6	10.9	10.9	47.8	47.9	3.6	3.6	13.2	13.2	16	-	-	-	-	822158	807577	-	-	-	-					
					Bottom	6.8	0.5	28	27.3	27.3	7.6	7.6	13.6	13.7	46.6	46.8	3.4	3.4	15.2	15.2	20	-	-	-	-	-	822158	807577	-	-	-	-				
						6.8	0.5	28	27.3	27.3	7.6	7.6	13.8	13.7	46.9	46.8	3.4	3.4	15.2	15.2	21	-	-	-	-	-	822158	807577	-	-	-	-				
SR4A	Cloudy	Moderate	18:36	8.0	Surface	1.0	0.8	251	27.9	27.9	8.0	8.0	15.0	15.0	79.4	79.4	5.7	5.7	10.8	10.8	12	-	-	-	817180	807793	-	-	-	-						
						1.0	0.8	262	27.9	27.9	8.0	8.0	15.0	15.0	79.4	79.4	5.7	5.7	10.7	10.7	12	-	-	-	-	817180	807793	-	-	-	-					
					Middle	4.0	0.7	254	27.5	27.5	8.0	8.0	16.1	16.1	66.5	66.3	4.8	4.8	14.1	14.1	10	-	-	-	-	817180	807793	-	-	-	-					
						4.0	0.7	267	27.5	27.5	8.0	8.0	16.1	16.1	66.1	66.3	4.8	4.8	14.1	14.1	12	-	-	-	-	817180	807793	-	-	-	-					
					Bottom	7.0	0.6	255	26.6	26.6	7.8	7.8	20.2	20.2	53.7	53.8	3.8	3.9	22.3	22.3	12	-	-	-	-	-	817180	807793	-	-	-	-				
						7.0	0.6	268	26.6	26.6	7.8	7.8	20.2	20.2	53.8	53.8	3.9	3.9	22.3	22.3	11	-	-	-	-	-	817180	807793	-	-	-	-				
SR5A	Cloudy	Moderate	18:55	4.8	Surface	1.0	0.6	310	27.7	27.7	8.0	8.0	15.4	15.4	76.0	76.0	5.5	5.5	11.5	11.5	11	-	-	-	816583	810698	-	-	-	-						
						1.0	0.6	311	27.7	27.7	8.0	8.0	15.4	15.4	75.8	76.0	5.5	5.5	11.5	11.5	11	-	-	-	-	816583	810698	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	816583	810698	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	816583	810698	-	-	-	-			
					Bottom																															

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 July 17 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
C1	Cloudy	Moderate	12:02	8.3	Surface	1.0	0.9	180	27.1	7.6	7.6	8.5	8.5	74.4	74.3	5.6	6.4	5	61	64	815627	804247	<0.2	2.1	2.1											
						1.0	0.9	182	27.1	7.6	7.6	8.5	8.5	74.2	74.3	5.6	6.4	5	61	64	815627	804247	<0.2	2.2												
					Middle	4.2	0.9	203	26.9	26.9	7.7	7.7	11.7	11.7	65.7	65.7	4.9	6.6	8	63	64	815627	804247	<0.2		2.4										
						4.2	1.0	222	26.9	26.9	7.7	7.7	11.7	11.7	65.7	65.7	4.9	6.6	6	63	64	815627	804247	<0.2		2.3										
					Bottom	7.3	0.8	216	26.0	26.0	7.6	7.6	21.6	21.6	69.4	69.9	5.0	12.0	6	68	68	815627	804247	<0.2		1.8										
						7.3	0.8	236	26.0	26.0	7.6	7.6	21.5	21.6	70.3	69.9	5.1	11.9	7	68	68	815627	804247	<0.2		2.0										
C2	Cloudy	Moderate	14:21	11.5	Surface	1.0	1.6	172	28.1	7.6	7.6	2.0	2.0	65.5	65.5	5.1	9.1	9	54	62	825683	806949	<0.2	2.6	2.6											
						1.0	1.8	183	28.1	7.6	7.6	2.0	2.0	65.5	65.5	5.1	9.1	9	55	62	825683	806949	<0.2	2.7												
					Middle	5.8	0.8	170	27.6	27.6	7.4	7.4	10.8	10.8	56.8	56.8	4.2	14.9	9	63	62	825683	806949	<0.2		2.6										
						5.8	0.9	180	27.6	27.6	7.4	7.4	10.8	10.8	56.8	56.8	4.2	14.9	8	64	62	825683	806949	<0.2		2.6										
					Bottom	10.5	0.2	150	26.8	26.8	7.6	7.6	18.6	18.6	48.4	48.4	3.5	18.1	14	68	69	825683	806949	<0.2		2.4										
						10.5	0.2	156	26.8	26.8	7.6	7.6	18.6	18.6	48.4	48.4	3.5	18.1	12	69	69	825683	806949	<0.2		2.5										
C3	Rainy	Moderate	11:49	13.0	Surface	1.0	0.4	112	27.3	7.8	7.8	13.9	13.9	66.9	66.9	4.9	7.6	3	66	71	822114	817819	<0.2	1.8	1.7											
						1.0	0.4	115	27.3	7.8	7.8	13.9	13.9	66.9	66.9	4.9	7.6	5	67	71	822114	817819	<0.2	1.7												
					Middle	6.5	0.2	8	27.3	27.3	7.8	7.8	14.5	14.5	63.5	63.5	4.7	8.0	4	69	71	822114	817819	<0.2		1.6										
						6.5	0.2	8	27.3	27.3	7.8	7.8	14.5	14.5	63.5	63.5	4.7	8.0	6	70	71	822114	817819	<0.2		1.7										
					Bottom	12.0	0.4	53	26.3	26.3	7.8	7.8	24.0	24.0	62.8	62.8	4.4	9.0	5	76	77	822114	817819	<0.2		1.8										
						12.0	0.5	56	26.3	26.3	7.8	7.8	24.0	24.0	62.8	62.8	4.4	9.0	7	77	77	822114	817819	<0.2		1.7										
IM1	Cloudy	Moderate	12:28	7.0	Surface	1.0	1.1	188	27.0	7.7	7.7	9.8	9.8	69.8	69.8	5.3	9.8	6	65	68	818333	806460	<0.2	1.7	2.4											
						1.0	1.2	193	27.0	7.7	7.7	9.8	9.8	69.7	69.8	5.3	9.9	7	65	68	818333	806460	<0.2	1.9												
					Middle	3.5	0.5	187	25.6	25.6	7.7	7.7	23.6	23.6	60.6	60.6	4.3	12.5	7	67	68	818333	806460	<0.2		3.3										
						3.5	0.5	189	25.6	25.6	7.7	7.7	23.6	23.6	60.5	60.6	4.3	12.6	7	67	68	818333	806460	<0.2		3.2										
					Bottom	6.0	0.3	204	25.3	25.4	7.7	7.7	26.2	26.4	68.0	68.8	4.9	14.1	22	70	71	818333	806460	<0.2		2.4										
						6.0	0.3	206	25.4	25.4	7.7	7.7	26.6	26.4	69.6	68.8	4.9	14.4	24	71	71	818333	806460	<0.2		2.1										
IM2	Cloudy	Moderate	12:38	8.1	Surface	1.0	1.2	210	27.0	7.6	7.6	8.7	8.7	69.4	69.0	5.3	11.1	6	63	67	818834	806205	<0.2	2.7	2.3											
						1.0	1.2	228	27.1	7.6	7.6	8.6	8.7	68.6	69.0	5.2	12.1	5	64	67	818834	806205	<0.2	3.0												
					Middle	4.1	1.0	210	26.4	26.4	7.6	7.6	16.8	16.8	60.4	60.4	4.3	20.9	8	67	67	818834	806205	<0.2		2.5										
						4.1	1.0	220	26.4	26.4	7.6	7.6	16.8	16.8	60.4	60.4	4.3	20.6	8	67	67	818834	806205	<0.2		2.2										
					Bottom	7.1	0.5	213	25.6	25.6	7.6	7.6	22.5	22.5	60.6	60.6	4.5	22.4	18	69	69	818834	806205	<0.2		1.7										
						7.1	0.5	228	25.6	25.6	7.6	7.6	22.5	22.5	60.6	60.6	4.5	22.5	19	69	69	818834	806205	<0.2		1.9										
IM3	Cloudy	Moderate	12:47	8.1	Surface	1.0	1.0	250	27.0	7.6	7.6	11.7	11.7	64.1	63.9	4.8	11.6	12	67	71	819394	806009	<0.2	2.1	2.2											
						1.0	1.1	268	27.0	7.6	7.6	11.7	11.7	63.7	63.9	4.8	11.7	12	67	71	819394	806009	<0.2	2.2												
					Middle	4.1	0.9	252	26.7	26.7	7.6	7.6	15.0	15.0	56.9	57.1	4.2	21.4	13	69	71	819394	806009	<0.2		2.2										
						4.1	1.0	272	26.7	26.7	7.6	7.6	15.0	15.0	57.3	57.1	4.2	21.4	14	70	71	819394	806009	<0.2		2.3										
					Bottom	7.1	0.8	249	26.6	26.7	7.7	7.7	16.3	16.2	75.0	77.8	5.5	22.3	16	76	76	819394	806009	<0.2		2.0										
						7.1	0.9	264	26.8	26.8	7.7	7.7	16.1	16.2	80.5	77.8	5.9	22.5	15	76	76	819394	806009	<0.2		2.1										
IM4	Cloudy	Moderate	12:55	7.5	Surface	1.0	0.7	233	27.0	7.7	7.7	11.8	11.9	64.1	64.1	4.8	14.8	17	63	67	819579	805050	<0.2	2.2	1.9											
						1.0	0.8	243	27.0	7.7	7.7	11.9	11.9	64.1	64.1	4.8	15.0	16	64	67	819579	805050	<0.2	2.0												
					Middle	3.8	0.5	225	26.7	26.7	7.7	7.8	14.3	14.4	57.9	57.9	4.3	23.4	17	67	67	819579	805050	<0.2		1.7										
						3.8	0.5	226	26.6	26.6	7.8	7.8	14.4	14.4	57.8	57.9	4.3	23.3	17	67	67	819579	805050	<0.2		1.7										
					Bottom	6.5	0.3	207	26.4	26.4	7.8	7.8	15.7	15.7	60.6	60.7	4.5	22.8	19	71	71	819579	805050	<0.2		1.9										
						6.5	0.4	227	26.4	26.4	7.8	7.8	15.6	15.7	60.8	60.7	4.5	22.9	19	71	71	819579	805050	<0.2		2.0										
IM5	Cloudy	Moderate	13:07	6.2	Surface	1.0	1.0	205	27.0	7.6	7.6	6.8	6.9	64.3	64.1	4.9	14.2	10	64	67	820579	804926	<0.2	1.9	2.0											
						1.0	1.0	217	27.0	7.6	7.6	6.9	6.9	63.8	64.1	4.9	14.7	11	64	67	820579	804926	<0.2	2.0												
					Middle	3.1	0.9	224	26.7	26.7	7.7	7.7	10.9	10.9	59.7	59.5	4.5	20.8	11	67	67	820579	804926	<0.2		2.2										
						3.1	0.9	241	26.6	26.6	7.7	7.7	10.8	10.9	59.2	59.5	4.5	20.8	11	67	67	820579	804926	<0.2		2.0										
					Bottom	5.2	0.7	245	26.4	26.4	7.7	7.7	17.8	18.0	66.1	66.4	4.8	22.7	12	69	70	820579	804926	<0.2		1.9										
						5.2	0.8	265	26.4	26.4	7.7	7.7	18.1	18.0	66.6	66.4	4.8	22.1	13	70	70	820579	804926	<0.2		1.9										
IM6	Cloudy	Moderate	13:17	6.8	Surface	1.0	0.5	198	27.0	7.6	7.6	9.2	9.2	67.2	67.2	5.1	10.1	9	64	67	821040	805832	<0.2	2.0	2.1											
						1.0	0.5	207	27.0	7.6	7.6	9.2	9.2	67.2	67.2	5.1	10.1	8	64	67	821040	805832	<0.2	2.1												
					Middle	3.4	0.4	241	26.8	26.8	7.7	7.7	10.4	10.5	65.1	65.1	4.9	11.5	10	67	67	821040	805832	<0.2		2.0										
						3.4	0.4	254	26.7	26.7	7.7	7.7	10.5	10.5	65.0	65.1	4.9	12.2	9	68	68	821040	805832	<0.2		2.0										
					Bottom	5.8	0.6	257	26.4	26.4	7.6	7.6	19.0	19.7	73.7	76.4	5.3	15.5	9	70	70	821040	805832	<0.2		2.1										
						5.8	0.7	258	26.5	26.5	7.6	7.6	20.4	19.7	79.1	76.4	5.7	14.8	10	70	70	821040	805832	<0.2		2.6										
IM7	Cloudy	Moderate	13:26	7.5	Surface	1.0	1.2	225	27.2	7.6																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 July 17 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	Value
IM9	Cloudy	Moderate	13:25	7.1	Surface	1.0	0.6	157	27.4	7.7	7.7	7.0	7.0	66.8	66.8	5.1	4.8	10.3	11.8	6	6	64	67	822091	808804	<0.2	<0.2	2.3	2.2				
						1.0	0.6	157	27.4	7.7	7.7	7.0	7.0	66.8	66.8	5.1	4.8	10.3	11.8	6	6	64	67	822091	808804	<0.2	<0.2	2.3	2.2				
					Middle	3.6	0.7	161	27.3	27.3	7.7	7.7	9.1	9.1	59.7	59.7	4.5	4.7	11.4	11.8	6	6	63	67	822091	808804	<0.2	<0.2	2.4	2.4			
						3.6	0.8	163	27.3	27.3	7.7	7.7	9.1	9.1	59.7	59.7	4.5	4.7	11.4	11.8	6	6	63	67	822091	808804	<0.2	<0.2	2.4	2.4			
					Bottom	6.1	0.2	336	26.7	26.7	7.7	7.7	19.8	19.8	65.0	65.0	4.7	4.7	13.8	12.2	6	6	64	67	822091	808804	<0.2	<0.2	2.3	2.3			
						6.1	0.2	337	26.7	26.7	7.7	7.7	19.8	19.8	65.0	65.0	4.7	4.7	13.8	12.2	6	6	64	67	822091	808804	<0.2	<0.2	2.3	2.3			
IM10	Rainy	Moderate	13:16	7.0	Surface	1.0	0.8	129	27.4	7.7	7.7	8.4	8.4	65.6	65.6	5.0	4.8	10.9	12.8	6	6	64	66	822257	809821	<0.2	<0.2	2.4	2.4				
						1.0	0.9	138	27.4	27.4	7.7	7.7	8.4	8.4	65.6	65.6	5.0	4.8	10.9	12.8	6	6	64	66	822257	809821	<0.2	<0.2	2.4	2.4			
					Middle	3.5	0.6	109	27.4	27.4	7.7	7.7	8.5	8.5	61.3	61.3	4.6	4.3	12.0	12.8	7	6	64	65	822257	809821	<0.2	<0.2	2.4	2.4			
						3.5	0.6	118	27.4	27.4	7.7	7.7	8.5	8.5	61.3	61.3	4.6	4.3	12.0	12.8	7	6	64	65	822257	809821	<0.2	<0.2	2.4	2.4			
					Bottom	6.0	0.3	79	26.8	26.8	7.8	7.8	19.2	19.2	59.8	59.8	4.3	4.3	15.6	12.2	7	6	65	70	822257	809821	<0.2	<0.2	2.3	2.3			
						6.0	0.3	82	26.8	26.8	7.8	7.8	19.2	19.2	59.8	59.8	4.3	4.3	15.6	12.2	7	6	65	70	822257	809821	<0.2	<0.2	2.3	2.3			
IM11	Rainy	Moderate	13:02	8.4	Surface	1.0	0.7	134	27.5	7.7	7.7	9.8	9.8	70.0	70.0	5.2	4.6	8.4	11.7	6	6	64	67	821504	810532	<0.2	<0.2	2.2	2.3				
						1.0	0.8	146	27.5	27.5	7.7	7.7	9.8	9.8	70.0	70.0	5.2	4.6	8.4	11.7	6	6	64	67	821504	810532	<0.2	<0.2	2.2	2.3			
					Middle	4.2	0.7	109	27.2	27.2	7.7	7.7	13.7	13.7	53.6	53.6	3.9	3.9	11.2	11.7	6	6	67	69	821504	810532	<0.2	<0.2	2.5	2.5			
						4.2	0.7	109	27.2	27.2	7.7	7.7	13.7	13.7	53.6	53.6	3.9	3.9	11.2	11.7	6	6	67	69	821504	810532	<0.2	<0.2	2.5	2.5			
					Bottom	7.4	0.5	106	27.1	27.1	7.7	7.7	15.3	15.3	52.7	52.7	3.9	3.9	15.6	12.2	6	6	69	69	821504	810532	<0.2	<0.2	2.2	2.2			
						7.4	0.5	113	27.1	27.1	7.7	7.7	15.3	15.3	52.7	52.7	3.9	3.9	15.6	12.2	6	6	69	69	821504	810532	<0.2	<0.2	2.2	2.2			
IM12	Rainy	Moderate	12:49	9.1	Surface	1.0	0.7	116	27.5	7.7	7.7	9.2	9.2	67.6	67.6	5.1	4.6	9.0	12.2	5	4	64	66	821165	811526	<0.2	<0.2	2.9	2.6				
						1.0	0.7	126	27.5	27.5	7.7	7.7	9.2	9.2	67.6	67.6	5.1	4.6	9.0	12.2	5	4	64	66	821165	811526	<0.2	<0.2	2.9	2.6			
					Middle	4.6	0.6	123	27.3	27.3	7.7	7.7	13.0	13.0	55.2	55.2	4.1	3.8	10.1	12.2	4	4	66	67	821165	811526	<0.2	<0.2	2.5	2.6			
						4.6	0.6	129	27.3	27.3	7.7	7.7	13.0	13.0	55.2	55.2	4.1	3.8	10.1	12.2	4	4	66	67	821165	811526	<0.2	<0.2	2.5	2.6			
					Bottom	8.1	0.4	131	27.1	27.1	7.7	7.7	14.5	14.5	52.0	52.0	3.8	3.8	17.4	12.2	5	6	67	68	821165	811526	<0.2	<0.2	2.6	2.7			
						8.1	0.4	133	27.1	27.1	7.7	7.7	14.5	14.5	52.0	52.0	3.8	3.8	17.4	12.2	5	6	67	68	821165	811526	<0.2	<0.2	2.6	2.7			
SR2	Rainy	Moderate	12:23	5.3	Surface	1.0	0.9	71	27.3	7.8	7.8	10.4	10.4	65.1	65.1	4.9	4.9	9.9	11.2	5	6	67	70	821455	814184	<0.2	<0.2	2.4	2.4				
						1.0	0.9	73	27.3	27.3	7.8	7.8	10.4	10.4	65.1	65.1	4.9	4.9	9.9	11.2	5	6	67	70	821455	814184	<0.2	<0.2	2.2	2.2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.3	0.5	63	27.0	27.0	7.8	7.8	16.1	16.1	55.4	55.4	4.0	4.0	12.5	11.2	6	6	74	73	821455	814184	<0.2	<0.2	2.4	2.5			
						4.3	0.6	66	27.0	27.0	7.8	7.8	16.1	16.1	55.4	55.4	4.0	4.0	12.5	11.2	6	6	74	73	821455	814184	<0.2	<0.2	2.4	2.5			
SR3	Cloudy	Moderate	13:40	8.3	Surface	1.0	1.1	170	27.7	7.7	7.7	6.6	6.6	67.6	67.6	5.1	4.6	10.6	12.0	7	7	-	-	822142	807585	-	-	-	-				
						1.0	1.1	170	27.7	27.7	7.7	7.7	6.6	6.6	67.6	67.6	5.1	4.6	10.6	12.0	7	7	-	-	822142	807585	-	-	-	-			
					Middle	4.2	0.7	190	27.3	27.3	7.7	7.7	13.5	13.5	56.3	56.3	4.1	4.1	11.2	12.0	6	6	-	-	822142	807585	-	-	-	-			
						4.2	0.7	190	27.3	27.3	7.7	7.7	13.5	13.5	56.3	56.3	4.1	4.1	11.2	12.0	6	6	-	-	822142	807585	-	-	-	-			
					Bottom	7.3	0.3	257	27.1	27.1	7.7	7.7	16.4	16.4	56.1	56.1	4.1	4.1	14.3	12.0	8	8	-	-	822142	807585	-	-	-	-			
						7.3	0.3	281	27.1	27.1	7.7	7.7	16.4	16.4	56.1	56.1	4.1	4.1	14.3	12.0	8	8	-	-	822142	807585	-	-	-	-			
SR4A	Cloudy	Moderate	11:42	9.2	Surface	1.0	0.2	275	27.0	7.7	7.7	11.3	11.3	72.7	72.7	5.5	5.3	6.5	8.5	6	9	-	-	817202	807810	-	-	-	-				
						1.0	0.2	295	26.9	26.9	7.7	7.7	11.3	11.3	72.5	72.5	5.4	5.3	6.5	8.5	6	9	-	-	817202	807810	-	-	-	-			
					Middle	4.6	0.2	276	26.7	26.8	7.6	7.6	21.6	21.0	71.5	71.5	5.1	4.9	7.8	8.5	6	9	-	-	817202	807810	-	-	-	-			
						4.6	0.2	285	26.8	26.8	7.6	7.6	20.3	20.3	71.9	71.9	5.1	4.9	7.6	8.5	6	9	-	-	817202	807810	-	-	-	-			
					Bottom	8.2	0.1	267	25.1	25.1	7.6	7.6	28.0	28.0	53.6	53.9	3.8	3.8	11.5	8.5	6	9	-	-	817202	807810	-	-	-	-			
						8.2	0.1	279	25.1	25.1	7.6	7.6	27.9	27.9	54.2	54.2	3.8	3.8	11.2	8.5	6	9	-	-	817202	807810	-	-	-	-			
SR5A	Cloudy	Moderate	11:25	5.1	Surface	1.0	0.1	-	27.3	7.7	7.7	12.3	12.4	81.6	81.5	6.0	6.0	7.4	9.5	6	5	-	-	816577	810682	-	-	-	-				
						1.0	0.1	-	27.3	27.3	7.7	7.7	12.4	12.4	81.3	81.3	6.0	6.0	7.6	9.5	6	5	-	-	816577	810682	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.1	0.1	53	27.1	27.1	7.6	7.7	14.2	14.2	69.6	69.7	5.1	5.1	11.1	9.5	5	5	-	-	816577	810682	-	-	-	-			
						4.1	0.1	55	27.1	27.1	7.7	7.7	14.1	14.2	69.7	69.7	5.1</																

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 July 17 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
C1	Cloudy	Moderate	19:06	7.2	Surface	1.0	0.4	21	27.1	7.6	7.6	8.7	8.9	68.6	68.5	5.2	5.0	19.1	19.9	18	19	67	68	815617	804263	<0.2	<0.2	2.9	2.7			
						1.0	0.4	21	27.1	7.6	7.6	9.0	8.9	68.4	68.5	5.2	5.0	19.2	19.9	18	19	67	68	815617	804263	<0.2	<0.2	2.9	2.7			
					Middle	3.6	0.3	27	26.9	26.9	7.7	7.7	10.9	10.9	64.7	64.5	4.9	4.8	20.1	20.0	18	19	69	70	815617	804263	<0.2	<0.2	2.4	2.7		
						3.6	0.3	28	26.9	26.9	7.7	7.7	10.8	10.9	64.2	64.5	4.8	4.7	20.0	20.0	19	19	69	70	815617	804263	<0.2	<0.2	2.5	2.7		
					Bottom	6.2	0.2	38	26.4	26.4	7.7	7.7	15.5	16.2	64.2	65.3	4.7	4.8	20.5	20.7	19	18	67	68	815617	804263	<0.2	<0.2	2.6	2.7		
						6.2	0.2	38	26.3	26.4	7.7	7.7	16.8	16.2	66.3	65.3	4.9	4.8	20.7	20.7	18	18	68	68	815617	804263	<0.2	<0.2	2.6	2.7		
C2	Cloudy	Moderate	18:12	10.7	Surface	1.0	1.2	15	27.8	7.6	7.6	2.6	2.6	64.7	64.7	5.0	4.8	12.1	15.4	8	9	62	61	825688	806931	<0.2	<0.2	2.9	2.7			
						1.0	1.3	15	27.8	27.8	7.6	7.6	2.6	2.6	64.7	64.7	5.0	4.8	12.1	15.4	7	9	61	63	825688	806931	<0.2	<0.2	3.0	2.7		
					Middle	5.4	0.6	16	27.7	27.7	7.4	7.4	7.1	7.1	59.9	59.9	4.5	4.5	15.4	15.4	9	8	63	64	825688	806931	<0.2	<0.2	3.0	2.7		
						5.4	0.6	16	27.7	27.7	7.4	7.4	7.1	7.1	59.9	59.9	4.5	4.5	15.4	15.4	8	13	64	69	825688	806931	<0.2	<0.2	2.6	2.7		
					Bottom	9.7	0.1	13	26.6	26.6	7.6	7.6	19.6	19.6	48.0	48.0	3.5	3.5	18.8	18.8	13	13	69	70	825688	806931	<0.2	<0.2	2.5	2.7		
						9.7	0.1	13	26.6	26.6	7.6	7.6	19.6	19.6	48.0	48.0	3.5	3.5	18.8	18.8	13	13	70	70	825688	806931	<0.2	<0.2	2.3	2.7		
C3	Rainy	Moderate	20:04	12.8	Surface	1.0	0.4	288	27.9	7.7	7.7	9.9	9.9	66.9	66.9	5.0	4.6	8.5	8.7	4	5	66	65	822124	817787	<0.2	<0.2	2.1	2.0			
						1.0	0.4	290	27.9	27.9	7.7	7.7	9.9	9.9	66.9	66.9	5.0	4.6	8.5	8.7	5	5	65	70	822124	817787	<0.2	<0.2	1.9	2.0		
					Middle	6.4	0.4	285	27.4	27.4	7.7	7.7	13.2	13.2	57.2	57.2	4.2	4.2	8.6	8.6	4	5	70	69	822124	817787	<0.2	<0.2	2.3	2.0		
						6.4	0.5	305	27.4	27.4	7.7	7.7	13.2	13.2	57.2	57.2	4.2	4.2	8.6	8.6	5	4	69	77	822124	817787	<0.2	<0.2	2.0	2.0		
					Bottom	11.8	0.9	289	26.5	26.5	7.8	7.8	21.9	21.9	48.1	48.1	3.4	3.4	8.9	8.9	4	6	77	76	822124	817787	<0.2	<0.2	1.8	2.0		
						11.8	0.9	309	26.5	26.5	7.8	7.8	21.9	21.9	48.1	48.1	3.4	3.4	8.9	8.9	6	6	76	76	822124	817787	<0.2	<0.2	1.8	2.0		
IM1	Cloudy	Moderate	18:50	6.6	Surface	1.0	0.7	16	27.1	7.6	7.6	8.4	8.4	68.0	68.0	5.2	5.2	18.3	20.2	14	14	62	62	818365	806469	<0.2	<0.2	2.1	2.6			
						1.0	0.7	17	27.1	27.1	7.6	7.6	8.3	8.4	67.9	68.0	5.2	5.2	18.8	20.2	14	14	62	64	818365	806469	<0.2	<0.2	2.5	2.6		
					Middle	3.3	0.4	18	27.0	27.0	7.6	7.6	9.2	9.2	68.8	68.8	5.2	5.2	20.6	20.6	14	14	64	64	818365	806469	<0.2	<0.2	2.8	2.6		
						3.3	0.4	18	27.0	27.0	7.6	7.6	9.2	9.2	68.8	68.8	5.2	5.2	20.6	20.6	14	14	64	64	818365	806469	<0.2	<0.2	3.0	2.6		
					Bottom	5.6	0.2	21	26.8	26.8	7.7	7.7	13.2	13.2	76.6	76.8	5.7	5.7	21.3	21.4	15	15	67	67	818365	806469	<0.2	<0.2	2.5	2.6		
						5.6	0.2	21	26.8	26.8	7.7	7.7	13.2	13.2	77.0	76.8	5.7	5.7	21.4	21.4	15	15	67	67	818365	806469	<0.2	<0.2	2.4	2.6		
IM2	Cloudy	Moderate	18:46	7.1	Surface	1.0	0.8	23	27.1	7.6	7.6	7.2	7.2	66.9	66.9	5.1	5.1	20.7	21.6	14	16	63	63	818867	806204	<0.2	<0.2	2.4	2.3			
						1.0	0.8	24	27.1	27.1	7.6	7.6	7.2	7.2	66.9	66.9	5.1	5.1	20.9	21.6	14	16	63	67	818867	806204	<0.2	<0.2	2.2	2.3		
					Middle	3.6	0.6	27	27.0	27.0	7.6	7.6	8.1	8.1	66.7	66.7	5.1	5.1	22.0	22.2	17	17	67	68	818867	806204	<0.2	<0.2	2.5	2.3		
						3.6	0.6	29	27.0	27.0	7.6	7.6	8.1	8.1	66.7	66.7	5.1	5.1	22.2	22.2	17	17	68	69	818867	806204	<0.2	<0.2	2.3	2.3		
					Bottom	6.1	0.5	25	27.0	27.0	7.6	7.6	8.9	8.9	67.8	67.9	5.1	5.1	21.8	21.8	17	16	69	69	818867	806204	<0.2	<0.2	2.2	2.3		
						6.1	0.5	25	27.0	27.0	7.6	7.6	8.9	8.9	67.9	67.9	5.1	5.1	21.8	21.8	16	16	69	69	818867	806204	<0.2	<0.2	2.2	2.3		
IM3	Cloudy	Moderate	18:38	7.3	Surface	1.0	0.5	25	27.1	7.6	7.6	7.6	7.6	65.6	65.7	5.0	5.1	14.3	18.2	15	15	63	64	819405	806028	<0.2	<0.2	2.1	2.1			
						1.0	0.6	26	27.1	27.1	7.6	7.6	7.6	7.6	65.7	65.7	5.0	5.0	14.2	18.2	14	15	64	66	819405	806028	<0.2	<0.2	2.0	2.1		
					Middle	3.7	0.5	22	27.0	27.0	7.6	7.6	7.7	7.8	67.6	67.9	5.2	5.2	19.6	19.7	13	13	66	66	819405	806028	<0.2	<0.2	2.2	2.1		
						3.7	0.5	24	27.0	27.0	7.6	7.6	7.8	7.8	68.2	68.2	5.2	5.2	19.7	20.7	13	16	66	67	819405	806028	<0.2	<0.2	2.1	2.1		
					Bottom	6.3	0.4	22	27.0	27.0	7.6	7.6	8.3	8.3	75.2	76.6	5.7	5.8	20.7	20.5	16	16	67	67	819405	806028	<0.2	<0.2	2.2	2.1		
						6.3	0.4	23	27.0	27.0	7.6	7.6	8.2	8.2	77.9	77.9	5.9	5.9	20.5	20.5	16	16	67	67	819405	806028	<0.2	<0.2	2.0	2.1		
IM4	Cloudy	Moderate	18:29	7.0	Surface	1.0	0.1	24	27.0	7.6	7.6	9.9	9.9	63.4	63.5	4.8	5.0	17.6	20.0	16	17	68	68	819584	805035	<0.2	<0.2	2.3	2.3			
						1.0	0.2	25	27.0	27.0	7.6	7.6	9.9	9.9	63.5	63.5	4.8	4.8	17.6	20.0	16	16	68	68	819584	805035	<0.2	<0.2	2.1	2.3		
					Middle	3.5	0.1	27	26.9	26.9	7.7	7.7	10.3	10.3	68.4	68.5	5.2	5.2	20.3	20.3	16	16	67	67	819584	805035	<0.2	<0.2	2.1	2.3		
						3.5	0.1	29	26.9	26.9	7.7	7.7	10.3	10.3	68.5	68.5	5.2	5.2	20.3	20.3	16	16	67	64	819584	805035	<0.2	<0.2	2.3	2.3		
					Bottom	6.0	0.1	26	27.0	27.0	7.7	7.7	10.4	10.4	89.9	90.4	6.8	6.8	22.1	22.1	18	17	64	64	819584	805035	<0.2	<0.2	2.3	2.3		
						6.0	0.1	28	27.0	27.0	7.7	7.7	10.4	10.4	90.9	90.9	6.8	6.8	22.1	22.1	17	17	64	64	819584	805035	<0.2	<0.2	2.3	2.3		
IM5	Cloudy	Moderate	18:19	6.1	Surface	1.0	0.8	24	26.9	7.5	7.5	10.0	10.0	64.8	65.0	4.9	4.7	16.6	18.3	16	16	68	66	820545	804906	<0.2	<0.2	1.9	2.0			
						1.0	0.8	24	27.0	27.0	7.5	7.5	9.9	9.9	65.1	65.1	4.9	4.7	16.6	18.3	16	16	68	66	820545	804906	<0.2	<0.2	2.0	2.0		
					Middle	3.1	0.8	25	26.7	26.7	7.6	7.6	12.9	12.9	59.8	60.1	4.5	4.5	18.2	18.1	16	16	66	66	820545	804906	<0.2	<0.2	2.1			



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

Water Quality Monitoring

Water Quality Monitoring Results on 08 July 17 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
IM9	Cloudy	Moderate	18:44	7.3	Surface	1.0	0.7	274	27.5	7.6	7.6	3.3	3.3	62.7	62.7	4.9	4.9	10.1	4.5	10.1	9	62	65	822084	808823	<0.2	2.6	2.5							
						1.0	0.8	301	27.5	7.6	7.6	3.3	3.3	62.7	62.7	4.9	4.9	10.1	4.5	10.1	8	63	65	62	65	<0.2	2.5								
					Middle	3.7	0.4	279	27.4	7.6	7.6	8.7	8.7	54.3	54.3	4.1	4.1	12.7	4.1	12.7	8	64	65	64	65	<0.2	2.3								
						3.7	0.4	284	27.4	7.6	7.6	8.7	8.7	54.3	54.3	4.1	4.1	12.7	4.1	12.7	7	64	65	64	65	<0.2	2.5								
					Bottom	6.3	0.1	295	27.4	7.6	7.6	9.9	9.9	55.4	55.4	4.1	4.1	14.9	4.1	14.9	12	67	65	67	65	<0.2	2.4								
						6.3	0.1	321	27.4	7.6	7.6	9.9	9.9	55.4	55.4	4.1	4.1	14.9	4.1	14.9	10	67	65	67	65	<0.2	2.4								
IM10	Cloudy	Moderate	18:54	7.4	Surface	1.0	0.8	284	28.0	7.6	7.6	3.6	3.6	69.3	69.3	5.3	5.3	10.9	4.8	10.9	8	63	65	822235	809839	<0.2	2.6	2.7							
						1.0	0.8	305	28.0	7.6	7.6	3.6	3.6	69.3	69.3	5.3	5.3	10.9	4.8	10.9	9	64	65	63	65	<0.2	2.9								
					Middle	3.7	0.5	286	27.7	7.6	7.6	8.6	8.6	55.8	55.8	4.2	4.2	13.2	4.2	13.2	9	65	65	65	65	<0.2	2.8								
						3.7	0.5	312	27.7	7.6	7.6	8.6	8.6	55.8	55.8	4.2	4.2	13.2	4.2	13.2	8	65	65	65	65	<0.2	2.6								
					Bottom	6.4	0.3	288	27.6	7.6	7.6	10.0	10.0	56.0	56.0	4.2	4.2	18.0	4.2	18.0	12	67	65	67	65	<0.2	2.7								
						6.4	0.4	292	27.6	7.6	7.6	10.0	10.0	56.0	56.0	4.2	4.2	18.0	4.2	18.0	14	66	65	66	65	<0.2	2.5								
IM11	Cloudy	Moderate	19:05	8.0	Surface	1.0	0.5	278	27.9	7.6	7.6	5.8	5.8	63.4	63.4	4.8	4.8	9.8	4.8	9.8	9	63	65	821500	810557	<0.2	3.2	3.0							
						1.0	0.6	304	27.9	7.6	7.6	5.8	5.8	63.4	63.4	4.8	4.8	9.8	4.8	9.8	9	62	65	62	65	<0.2	3.1								
					Middle	4.0	0.5	294	27.8	7.5	7.5	7.7	7.7	64.4	64.4	4.8	4.8	13.4	4.8	13.4	10	65	65	65	65	<0.2	2.8								
						4.0	0.5	306	27.8	7.5	7.5	7.7	7.7	64.4	64.4	4.8	4.8	13.4	4.8	13.4	10	66	65	66	65	<0.2	2.8								
					Bottom	7.0	0.2	276	27.6	7.6	7.6	9.1	9.1	58.4	58.4	4.4	4.4	18.8	4.4	18.8	15	67	65	67	65	<0.2	2.8								
						7.0	0.2	284	27.6	7.6	7.6	9.1	9.1	58.4	58.4	4.4	4.4	18.8	4.4	18.8	15	68	65	68	65	<0.2	3.1								
IM12	Cloudy	Moderate	19:13	7.8	Surface	1.0	0.3	300	28.1	7.6	7.6	5.9	5.9	66.6	66.6	5.0	5.0	10.8	4.8	10.8	10	63	66	821172	811513	<0.2	2.6	2.7							
						1.0	0.3	323	28.1	7.6	7.6	5.9	5.9	66.6	66.6	5.0	5.0	10.8	4.8	10.8	10	63	66	63	66	<0.2	2.6								
					Middle	3.9	0.3	307	27.8	7.6	7.6	8.1	8.1	59.6	59.6	4.5	4.5	12.3	4.5	12.3	10	65	66	65	66	<0.2	2.7								
						3.9	0.3	314	27.8	7.6	7.6	8.1	8.1	59.6	59.6	4.5	4.5	12.3	4.5	12.3	9	65	66	65	66	<0.2	2.6								
					Bottom	6.8	0.1	332	27.7	7.6	7.6	9.1	9.1	59.4	59.4	4.5	4.5	15.5	4.5	15.5	15	68	66	68	66	<0.2	2.8								
						6.8	0.1	305	27.7	7.6	7.6	9.1	9.1	59.4	59.4	4.5	4.5	15.5	4.5	15.5	15	68	66	68	66	<0.2	3.1								
SR2	Rainy	Moderate	19:36	5.3	Surface	1.0	0.1	333	27.9	7.7	7.7	6.6	6.6	73.1	73.1	5.5	5.5	11.4	5.5	11.4	8	63	65	821469	814164	<0.2	2.2	2.5							
						1.0	0.1	342	27.9	7.7	7.7	6.6	6.6	73.1	73.1	5.5	5.5	11.4	5.5	11.4	8	63	65	63	65	<0.2	2.4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-			
					Bottom	4.3	0.3	327	27.6	7.7	7.7	9.0	9.0	70.8	70.8	5.3	5.3	12.9	5.3	12.9	7	66	65	66	65	<0.2	2.7								
						4.3	0.3	329	27.6	7.7	7.7	9.0	9.0	70.8	70.8	5.3	5.3	12.9	5.3	12.9	8	67	65	67	65	<0.2	2.8								
SR3	Cloudy	Moderate	18:28	7.6	Surface	1.0	0.9	19	27.8	7.5	7.5	7.7	7.7	66.6	66.6	4.9	4.9	10.4	4.8	10.4	7	-	-	822132	807583	-	-	-							
						1.0	0.9	19	27.8	7.5	7.5	7.7	7.7	66.6	66.6	4.9	4.9	10.4	4.8	10.4	7	-	-	-	-	-	-								
					Middle	3.8	0.6	19	27.6	7.5	7.5	11.1	11.1	62.4	62.4	4.6	4.6	13.3	4.6	13.3	8	-	-	-	-	-	-		-	-					
						3.8	0.7	19	27.6	7.5	7.5	11.1	11.1	62.4	62.4	4.6	4.6	13.3	4.6	13.3	8	-	-	-	-	-	-		-	-					
					Bottom	6.6	0.5	23	27.1	7.6	7.6	13.0	13.0	50.1	50.1	3.7	3.7	17.2	3.7	17.2	12	-	-	-	-	-	-		-	-	-				
						6.6	0.5	23	27.1	7.6	7.6	13.0	13.0	50.3	50.3	3.7	3.7	17.2	3.7	17.2	12	-	-	-	-	-	-		-	-	-				
SR4A	Cloudy	Moderate	19:40	8.2	Surface	1.0	0.5	244	27.2	7.8	7.8	14.4	14.4	79.6	79.6	5.8	5.8	16.7	5.8	16.7	14	-	-	817201	807811	-	-	-							
						1.0	0.6	248	27.2	7.8	7.8	14.3	14.3	79.6	79.6	5.8	5.8	16.5	5.8	16.5	13	-	-	-	-	-	-								
					Middle	4.1	0.5	243	27.2	7.8	7.8	14.7	14.7	74.8	74.3	5.5	5.5	17.5	5.5	17.5	14	-	-	-	-	-	-		-	-					
						4.1	0.5	266	27.1	7.8	7.8	14.7	14.7	73.8	73.8	5.4	5.4	17.4	5.4	17.4	13	-	-	-	-	-	-		-	-					
					Bottom	7.2	0.4	238	26.8	7.7	7.7	17.3	17.6	77.0	79.2	5.6	5.6	22.4	5.6	22.4	13	-	-	-	-	-	-		-	-	-				
						7.2	0.5	258	26.9	7.7	7.7	17.9	17.9	81.3	79.2	5.9	5.9	22.3	5.9	22.3	14	-	-	-	-	-	-		-	-	-				
SR5A	Cloudy	Moderate	19:58	5.7	Surface	1.0	0.3	317	27.4	7.8	7.8	13.1	13.1	82.1	81.9	6.0	6.0	13.5	6.0	13.5	11	-	-	816598	810687	-	-	-							
						1.0	0.3	321	27.4	7.8	7.8	13.1	13.1	81.6	81.6	6.0	6.0	13.2	6.0	13.2	12	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-				
					Bottom	4.7	0.2	307	27.1	7.8	7.8	14.9	14.9	85.5	87.2	6.3	6.3	16.4	6.3	16.4	11	-	-	-	-	-	-		-	-	-				
						4.7	0.2	308	27.2	7.8	7.8	14.8	14.9	88.9	87.2	6.5	6.5	16.4	6.5	16.4	7	-	-	-	-	-	-		-	-	-				
SR6	Cloudy	Moderate	20:00	4.2	Surface	1.0	0.4	337	27.5	7.9	7.9	12.9	12.9	81.8	81.4	6.0	6.0	11.2	6.0	11.2	7	-	-	817885	814682	-	-	-							
						1.0	0.4	338	27.4	7.9	7.9	12.9	12.9	80.9	81.4	6.0	6.0	11.1	6.0	11.1	8	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-				
					Bottom	3.2	0.2	355	27.1	7.8	7.8	14.8	14.8	74.6	74.7	5.5	5.5	16.0	5.5	16.0	7	-	-	-	-	-	-		-	-	-				
						3.2	0.2	327	27.1	7.8	7.8																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 July 17 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
C1	Sunny	Moderate	13:54	9.2	Surface	1.0	0.3	238	27.6	7.9	7.9	11.3	11.3	70.1	70.0	5.2	4.2	4.2	3	67	74	815636	804254	<0.2	1.5	1.7										
						1.0	0.3	246	27.6	7.9	7.9	11.3	11.3	69.9	5.2	4.2	4	68	<0.2	1.6																
						4.6	0.2	166	25.3	25.3	7.9	7.9	27.5	27.6	46.5	3.3	4.5	3	75	<0.2	1.8															
					4.6	0.2	182	25.3	25.3	7.9	7.9	27.6	27.6	46.2	46.4	3.2	4.6	3	75	<0.2	1.8															
					8.2	0.3	221	24.7	24.7	7.7	7.7	30.9	30.9	61.6	4.3	6.1	3	78	<0.2	1.7																
					8.2	0.3	223	24.7	24.7	7.7	7.7	30.9	30.9	63.8	62.7	4.4	4.4	3	79	<0.2	1.6															
C2	Sunny	Moderate	12:46	12.3	Surface	1.0	0.2	49	28.3	7.7	7.7	8.3	8.3	64.5	64.5	4.8	8.5	4	66	71	825672	806960	<0.2	2.1	2.2											
						1.0	0.2	52	28.3	7.7	7.7	8.3	8.3	64.5	64.5	4.8	8.5	5	67	<0.2	2.2															
						6.2	0.3	70	27.4	27.4	7.7	7.8	13.4	13.4	55.5	55.5	4.1	10.8	4	70	<0.2	2.2														
					6.2	0.3	70	27.4	27.4	7.8	7.8	13.4	13.4	55.5	55.5	4.1	10.8	4	70	<0.2	2.1															
					11.3	0.6	145	26.4	26.4	7.8	7.8	23.0	23.0	50.7	3.6	15.9	4	75	<0.2	2.2																
					11.3	0.6	151	26.4	26.4	7.8	7.8	23.0	23.0	50.7	50.7	3.6	15.9	4	76	<0.2	2.4															
C3	Sunny	Moderate	14:35	12.1	Surface	1.0	0.7	102	28.3	8.0	8.0	11.9	11.9	74.5	74.5	5.4	6.4	5	70	74	822104	817804	<0.2	2.1	2.3											
						1.0	0.7	103	28.3	8.0	8.0	11.9	11.9	74.5	74.5	5.4	6.4	4	69	<0.2	2.3															
						6.1	0.6	103	27.3	27.3	8.0	8.0	16.0	16.0	65.4	65.4	4.7	6.2	5	75	<0.2	2.3														
					6.1	0.6	108	27.3	27.3	8.0	8.0	16.0	16.0	65.4	65.4	4.7	6.2	6	74	<0.2	2.3															
					11.1	0.3	131	26.5	26.5	7.9	7.9	21.3	21.3	61.9	61.9	4.4	6.9	4	77	<0.2	2.4															
					11.1	0.3	133	26.5	26.5	7.9	7.9	21.3	21.3	61.9	61.9	4.4	6.9	5	77	<0.2	2.2															
IM1	Sunny	Moderate	13:36	8.4	Surface	1.0	0.1	184	26.9	7.8	7.8	16.5	16.5	64.4	64.5	4.7	8.3	4	71	75	818340	806457	<0.2	2.0	2.0											
						1.0	0.1	200	27.0	27.0	7.8	7.8	16.5	16.5	64.5	64.5	4.7	8.4	4	72	<0.2	2.0														
						4.2	0.2	123	25.2	25.2	7.8	7.8	27.5	27.5	62.8	62.8	4.4	12.9	5	76	<0.2	1.9														
					4.2	0.2	127	25.2	25.2	7.8	7.8	27.4	27.5	62.8	62.8	4.4	12.9	5	77	<0.2	2.1															
					7.4	0.1	155	25.2	25.2	7.8	7.8	27.8	27.8	74.5	74.5	5.2	15.7	4	78	<0.2	1.9															
					7.4	0.1	157	25.2	25.2	7.8	7.8	27.8	27.8	74.5	74.5	5.2	15.7	5	77	<0.2	2.0															
IM2	Sunny	Moderate	13:31	9.8	Surface	1.0	0.1	158	26.9	7.8	7.8	15.7	15.7	63.4	63.4	4.6	4.6	4	72	74	818837	806183	<0.2	1.8	1.9											
						1.0	0.1	158	26.9	26.9	7.8	7.8	15.7	15.7	63.4	63.4	4.6	4.6	4	71	<0.2	1.7														
						4.9	0.1	102	26.7	26.7	7.8	7.8	16.8	16.8	62.2	62.2	4.5	5.4	5	73	<0.2	2.0														
					4.9	0.1	103	26.7	26.7	7.8	7.8	16.7	16.8	62.2	62.2	4.5	5.4	4	74	<0.2	2.0															
					8.8	0.0	311	25.1	25.1	7.8	7.8	27.8	27.8	52.2	52.2	3.7	13.2	5	77	<0.2	2.0															
					8.8	0.0	311	25.1	25.1	7.8	7.8	27.8	27.8	52.2	52.2	3.7	13.2	4	78	<0.2	2.1															
IM3	Sunny	Moderate	13:24	9.7	Surface	1.0	0.0	92	28.0	7.8	7.8	10.3	10.4	72.0	71.9	5.3	4.8	4	68	74	819402	806004	<0.2	2.0	2.0											
						1.0	0.0	93	27.9	27.9	7.8	7.8	10.4	10.4	71.8	71.8	5.3	4.8	3	67	<0.2	1.9														
						4.9	0.3	86	25.7	25.8	7.8	7.8	24.2	24.2	67.5	67.5	4.8	11.8	3	75	<0.2	2.2														
					4.9	0.3	89	25.8	25.8	7.8	7.8	24.1	24.1	67.5	67.5	4.8	11.8	3	76	<0.2	2.1															
					8.7	0.2	86	25.1	25.1	7.7	7.7	27.9	27.9	57.4	57.4	4.0	13.2	4	78	<0.2	1.9															
					8.7	0.2	90	25.1	25.1	7.7	7.7	27.9	27.9	57.4	57.4	4.0	13.2	4	77	<0.2	2.0															
IM4	Sunny	Moderate	13:16	8.8	Surface	1.0	0.1	310	27.4	7.8	7.8	12.0	12.0	72.1	72.0	5.3	4.4	3	67	73	819581	805023	<0.2	1.7	1.7											
						1.0	0.1	320	27.3	27.3	7.8	7.8	12.0	12.0	71.9	71.9	5.3	4.4	3	68	<0.2	1.7														
						4.4	0.3	88	25.6	25.6	7.8	7.8	25.7	25.7	66.2	66.2	4.7	10.5	3	75	<0.2	1.8														
					4.4	0.3	93	25.6	25.6	7.8	7.8	25.7	25.7	66.2	66.2	4.7	10.5	3	76	<0.2	1.8															
					7.8	0.3	139	25.1	25.1	7.7	7.7	28.0	28.0	49.8	49.8	3.5	16.4	5	77	<0.2	1.6															
					7.8	0.3	151	25.1	25.1	7.7	7.7	28.0	28.0	49.8	49.8	3.5	16.4	5	76	<0.2	1.6															
IM5	Sunny	Moderate	13:08	8.2	Surface	1.0	0.1	23	27.1	7.8	7.8	13.6	13.6	69.4	69.3	5.1	4.1	2	70	75	820545	804906	<0.2	1.8	1.8											
						1.0	0.1	24	27.1	27.1	7.8	7.8	13.6	13.6	69.1	69.1	5.1	4.2	2	70	<0.2	1.8														
						4.1	0.1	69	25.6	25.6	7.7	7.7	24.8	24.8	65.2	65.2	4.6	9.5	2	76	<0.2	2.0														
					4.1	0.1	71	25.6	25.6	7.7	7.7	24.8	24.8	65.2	65.2	4.6	9.5	2	77	<0.2	2.0															
					7.2	0.0	348	25.6	25.6	7.7	7.7	25.2	25.2	66.7	66.7	4.7	9.5	3	78	<0.2	1.7															
					7.2	0.0	355	25.6	25.6	7.7	7.7	25.2	25.2	66.7	66.7	4.7	9.5	4	77	<0.2	1.8															
IM6	Sunny	Moderate	12:58	7.9	Surface	1.0	0.1	222	27.5	7.8	7.8	11.8	11.9	68.8	68.6	5.1	6.1	4	69	74	821060	805835	<0.2	2.1	2.3											
						1.0	0.1	230	27.5	27.5	7.8	7.8	11.9	11.9	68.3	68.3	5.0	6.1	4	70	<0.2	2.3														
						4.0	0.0	103	26.6	26.6	7.8	7.8	17.2	17.3	56.0	56.0	4.1	9.5	4	75	<0.2	2.4														
					4.0	0.0	105	26.6	26.6	7.8	7.8	17.4	17.4	56.0	56.0	4.1	9.5	4	75	<0.2	2.3															
					6.9	0.3	94	26.0	26.0	7.8	7.8	22.0	22.0	56.7	56.7	4.1	15.2	4	77	<0.2	2.2															
					6.9	0.3	95	26.0	26.0	7.8	7.8	22.0	22.0	57.0	56.9	4.1	15.2	4	78	<0.2	2.2															
IM7	Sunny	Moderate	12:47	7.3	Surface	1.0	0.4	90	27.9	7.7	7.7	10.4	10.4	68.0	67.8	5.0	6.1	4	69	73	821353	806818	<0.2	2.4	2.2											
						1.0	0.4	94	27.9	27.9	7.7	7.7	10.4	10.4	67.5	67.5	5.0	6.1	4	70	<0.2	2.2														
						3.7	0.4	84	27.2	27.2	7.8	7.8	13.4	13.4	63.0	63.0	4.7	6.5	4	73	<0.2	2.2														
					3.7	0.4	91	27.2	27.2	7.8	7.8	13.4	13.4	62.9	63.0	4.6	6.5	5	73	<0.2	2.2															
					6.3	0.3	109	27.0	27.0	7.8	7.8	15.5	15.5	65.2	65.3	4.8	7.3	5	75	<0.2	1.9															
					6.3	0.3	118	27.0	27.0	7.7	7.8	15.5	15.5	65.4	65.3	4.8	7.3	5	76	<0.2	2.1															
IM8	Sunny	Moderate	13:22	8.6	Surface	1.0	0.4	91	27.9	7.8	7.8	10.5	10.5	66.7	66.7	4.9	8.5	5	67	72	821704	807833	<0.2	2.3	2.4											
						1.0	0.5	93	27.9	27.9	7.8	7.8	10.5	10.5	66.7	66.7	4.9	8.5	5	68	<0.2	2.5														
						4.3	0.4	52	27.1	27.1	7.9	7.9	16.0	16.0	63.1	63.1	4.6	9.3	5	71	<0.2	2.4														
					4.3	0.5	52	27.1	27.1	7.9	7.9																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 July 17 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
IM9	Sunny	Moderate	13:29	6.8	Surface	1.0	0.5	97	28.1	7.8	7.8	10.9	10.9	67.5	67.5	5.0	4.8	7.5	10.6	4	67	71	822110	808829	<0.2	2.6	2.4									
						1.0	0.5	99	28.1	7.8	7.8	10.9	10.9	67.5	67.5	5.0	4.8	7.5	10.6	4	68	71	822110	808829	<0.2	2.4										
					Middle	3.4	0.5	68	27.8	7.8	7.8	13.0	13.0	62.5	62.5	4.6	3.5	8.2	10.6	4	71	71	822110	808829	<0.2	2.4										
						3.4	0.5	74	27.8	7.8	7.8	13.0	13.0	62.5	62.5	4.6	3.5	8.2	10.6	4	72	71	822110	808829	<0.2	2.6										
					Bottom	5.8	0.3	84	26.9	7.9	7.9	18.6	18.6	48.0	48.0	3.5	3.5	16.1	10.6	4	75	71	822110	808829	<0.2	2.2										
						5.8	0.3	91	26.9	7.9	7.9	18.6	18.6	48.0	48.0	3.5	3.5	16.1	10.6	4	74	71	822110	808829	<0.2	2.3										
IM10	Sunny	Moderate	13:36	7.4	Surface	1.0	0.6	106	27.8	7.8	7.8	11.2	11.2	67.3	67.3	5.0	4.6	8.3	10.1	4	68	72	822221	809834	<0.2	2.0	2.1									
						1.0	0.7	114	27.8	7.8	7.8	11.2	11.2	67.3	67.3	5.0	4.6	8.3	10.1	3	69	72	822221	809834	<0.2	2.0										
					Middle	3.7	0.4	100	27.3	7.8	7.8	14.5	14.5	56.8	56.8	4.2	3.9	8.8	10.1	4	71	72	822221	809834	<0.2	2.2										
						3.7	0.4	104	27.3	7.8	7.8	14.5	14.5	56.8	56.8	4.2	3.9	8.8	10.1	4	72	72	822221	809834	<0.2	2.3										
					Bottom	6.4	0.7	126	26.8	7.8	7.8	17.7	17.7	53.4	53.4	3.9	3.9	13.2	10.1	3	75	72	822221	809834	<0.2	2.1										
						6.4	0.8	128	26.8	7.8	7.8	17.7	17.7	53.4	53.4	3.9	3.9	13.2	10.1	4	74	72	822221	809834	<0.2	1.9										
IM11	Sunny	Moderate	13:47	9.2	Surface	1.0	0.6	112	27.9	7.9	7.9	11.6	11.6	67.4	67.4	5.0	4.6	7.2	8.5	4	70	73	821495	810564	<0.2	2.3	2.1									
						1.0	0.6	114	27.9	7.9	7.9	11.6	11.6	67.4	67.4	5.0	4.6	7.2	8.5	4	69	73	821495	810564	<0.2	2.0										
					Middle	4.6	0.5	114	27.2	7.9	7.9	15.3	15.3	57.1	57.1	4.2	4.2	9.2	8.5	4	73	73	821495	810564	<0.2	2.0										
						4.6	0.6	116	27.2	7.9	7.9	15.3	15.3	57.1	57.1	4.2	4.2	9.2	8.5	4	74	73	821495	810564	<0.2	2.0										
					Bottom	8.2	0.3	116	26.9	7.9	7.9	18.2	18.2	60.1	60.1	4.3	4.3	9.0	8.5	4	76	73	821495	810564	<0.2	2.2										
						8.2	0.3	126	26.9	7.9	7.9	18.2	18.2	60.1	60.1	4.3	4.3	9.0	8.5	5	76	73	821495	810564	<0.2	2.0										
IM12	Sunny	Moderate	13:53	9.3	Surface	1.0	0.8	105	27.8	7.9	7.9	12.2	12.2	68.9	68.9	5.1	4.7	7.1	7.7	4	70	73	821148	811532	<0.2	2.0	2.0									
						1.0	0.8	112	27.8	7.9	7.9	12.2	12.2	68.9	68.9	5.1	4.7	7.1	7.7	5	69	73	821148	811532	<0.2	2.0										
					Middle	4.7	0.6	104	27.4	7.9	7.9	15.3	15.3	58.6	58.6	4.3	4.1	7.5	7.7	4	73	73	821148	811532	<0.2	1.9										
						4.7	0.6	105	27.4	7.9	7.9	15.3	15.3	58.6	58.6	4.3	4.1	7.5	7.7	5	73	73	821148	811532	<0.2	2.0										
					Bottom	8.3	0.2	149	26.1	7.8	7.8	21.5	21.5	57.3	57.3	4.1	4.1	8.5	7.7	3	76	73	821148	811532	<0.2	2.0										
						8.3	0.2	155	26.1	7.8	7.8	21.5	21.5	57.3	57.3	4.1	4.1	8.5	7.7	5	76	73	821148	811532	<0.2	2.0										
SR2	Sunny	Moderate	14:15	5.2	Surface	1.0	0.9	98	28.1	8.0	8.0	12.3	12.3	77.1	77.1	5.6	5.6	7.3	6.8	5	70	73	821454	814167	<0.2	2.1	2.1									
						1.0	0.9	99	28.1	8.0	8.0	12.3	12.3	77.1	77.1	5.6	5.6	7.3	6.8	4	71	73	821454	814167	<0.2	2.3										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-				
					Bottom	4.2	0.3	133	27.2	7.9	7.9	16.2	16.2	76.8	76.8	5.6	5.6	6.3	6.8	4	74	73	821454	814167	<0.2	2.1										
						4.2	0.4	145	27.2	7.9	7.9	16.2	16.2	76.8	76.8	5.6	5.6	6.3	6.8	4	75	73	821454	814167	<0.2	2.0										
SR3	Sunny	Moderate	13:15	9.3	Surface	1.0	0.5	72	27.7	7.8	7.8	11.0	11.0	64.0	64.0	4.7	4.5	7.6	10.3	5	-	-	822139	807551	-	-	-									
						1.0	0.5	73	27.7	7.8	7.8	11.0	11.0	64.0	64.0	4.7	4.5	7.6	10.3	4	-	-	822139	807551	-	-										
					Middle	4.7	0.5	60	27.4	7.8	7.8	13.8	13.8	58.4	58.4	4.3	4.3	9.0	10.3	6	-	-	822139	807551	-	-										
						4.7	0.5	61	27.4	7.8	7.8	13.8	13.8	58.4	58.4	4.3	4.3	9.0	10.3	5	-	-	822139	807551	-	-										
					Bottom	8.3	0.3	16	26.8	7.9	7.9	17.4	17.4	51.1	51.1	3.7	3.7	14.4	10.3	6	-	-	822139	807551	-	-										
						8.3	0.3	16	26.8	7.9	7.9	17.4	17.4	51.1	51.1	3.7	3.7	14.4	10.3	6	-	-	822139	807551	-	-										
SR4A	Sunny	Moderate	14:17	9.4	Surface	1.0	0.4	58	27.1	7.8	7.8	15.3	15.3	71.2	71.2	5.2	5.0	7.2	11.3	5	-	-	817186	807828	-	-	-									
						1.0	0.4	61	27.1	7.8	7.8	15.3	15.3	71.2	71.2	5.2	5.0	7.3	11.3	4	-	-	817186	807828	-	-										
					Middle	4.7	0.5	55	25.5	7.8	7.8	25.3	25.4	68.4	68.4	4.8	4.8	12.3	11.3	6	-	-	817186	807828	-	-										
						4.7	0.5	57	25.5	7.8	7.8	25.4	25.4	68.4	68.4	4.8	4.8	12.3	11.3	5	-	-	817186	807828	-	-										
					Bottom	8.4	0.4	45	25.3	7.8	7.8	27.4	27.4	69.6	69.6	4.9	4.9	14.3	11.3	5	-	-	817186	807828	-	-										
						8.4	0.4	48	25.3	7.8	7.8	27.4	27.4	69.6	69.6	4.9	4.9	14.3	11.3	6	-	-	817186	807828	-	-										
SR5A	Sunny	Moderate	14:33	5.4	Surface	1.0	0.1	69	28.5	8.4	8.4	14.6	14.6	127.6	127.6	9.2	9.2	6.8	7.1	8	-	-	816592	810680	-	-	-									
						1.0	0.1	69	28.5	8.4	8.4	14.6	14.6	127.6	127.6	9.1	9.2	6.9	7.1	8	-	-	816592	810680	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-				
					Bottom	4.4	0.2	112	28.2	8.3	8.3	15.0	15.0	117.4	117.4	8.4	8.4	7.2	7.1	8	-	-	816592	810680	-	-										
						4.4	0.2	113	28.2	8.3	8.3	15.0	15.0	117.2	117.3	8.4	8.4	7.3	7.1	8	-	-	816592	810680	-	-										
SR6	Sunny	Moderate	14:34	5.6	Surface	1.0	0.1	8	28.6	8.4	8.4	14.5	14.5	124.6	123.1	8.9	8.8	7.8	9.6	8	-	-	817907	814679	-	-	-									
						1.0	0.1	8	28.6	8.4	8.4	14.5	14.5	121.5	123.1	8.7	8.8	7.8	9.6	10	-	-	817907	814679	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-				
					Bottom	4.6	0.5	100	27.1	8.0	8.1	17.2	17.7	111.5	116.1	8.1	8.4	11.4	9.6	9	-	-	817907	814679	-	-										
						4.6	0.5	106	27.1	8.1	8.1	18.1	17.7	120.7	116.1	8.7	8.4	11.4	9.6	9	-	-	817907	814679	-	-										
SR7	Sunny	Moderate	15:05																																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 July 17 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
C1	Cloudy	Moderate	07:07	8.7	Surface	1.0	0.6	41	26.9	26.9	7.7	7.7	10.2	10.3	68.7	68.5	5.2	4.1	5.3	10.6	2	4	68	74	815606	804254	<0.2	1.6	1.6			
						1.0	0.6	44	26.9	26.9	7.7	7.7	10.3	10.3	68.3	68.5	5.2	4.1	5.3	10.6	3	4	68	74	815606	804254	<0.2	1.6				
						4.4	0.4	42	25.4	25.4	7.7	7.7	25.5	25.6	42.6	42.6	3.0	3.0	11.3	10.6	4	4	74	75	815606	804254	<0.2	1.7				
					4.4	0.4	42	25.3	25.3	7.7	7.7	25.6	25.6	42.6	42.6	3.0	3.0	11.3	10.6	4	4	75	75	815606	804254	<0.2	1.7					
					7.7	0.4	31	24.7	24.7	7.7	7.7	30.5	30.5	57.7	57.7	4.0	4.0	15.2	4.3	5	4	78	78	815606	804254	<0.2	1.7					
					7.7	0.4	31	24.7	24.7	7.7	7.7	30.5	30.5	57.7	57.7	4.0	4.0	15.2	4.3	5	4	78	78	815606	804254	<0.2	1.5					
C2	Sunny	Moderate	08:15	12.5	Surface	1.0	0.2	43	28.0	28.0	7.7	7.7	8.2	8.2	64.5	64.5	4.8	4.5	7.3	10.4	5	5	66	70	825688	806937	<0.2	1.8	1.6			
						1.0	0.2	44	28.0	28.0	7.7	7.7	8.2	8.2	64.5	64.5	4.8	4.5	7.3	10.4	4	5	65	68	825688	806937	<0.2	1.6				
						6.3	0.2	104	27.5	27.5	7.7	7.7	12.1	12.1	56.7	56.7	4.2	4.2	8.6	4.5	4	5	68	68	825688	806937	<0.2	1.7				
					6.3	0.2	113	27.5	27.5	7.7	7.7	12.1	12.1	56.7	56.7	4.2	4.2	8.6	4.5	4	5	68	68	825688	806937	<0.2	1.7					
					11.5	0.3	114	26.3	26.3	7.8	7.8	23.5	23.5	49.3	49.3	3.5	3.5	15.2	3.5	5	5	77	76	825688	806937	<0.2	1.6					
					11.5	0.3	115	26.3	26.3	7.8	7.8	23.5	23.5	49.3	49.3	3.5	3.5	15.2	3.5	5	5	76	76	825688	806937	<0.2	1.5					
C3	Cloudy	Moderate	06:25	12.1	Surface	1.0	0.5	242	26.9	26.9	7.9	7.9	18.0	18.0	63.9	63.9	4.6	4.3	5.2	7.5	4	10	72	75	822126	817788	<0.2	1.4	1.3			
						1.0	0.6	247	26.9	26.9	7.9	7.9	18.0	18.0	63.9	63.9	4.6	4.3	5.2	7.5	4	10	71	74	822126	817788	<0.2	1.3				
						6.1	0.7	250	25.6	25.6	7.9	7.9	25.2	25.2	56.1	56.1	4.0	4.0	6.3	4.3	6	10	74	75	822126	817788	<0.2	1.3				
					6.1	0.8	271	25.6	25.6	7.9	7.9	25.2	25.2	56.1	56.1	4.0	4.0	6.3	4.3	4	10	74	75	822126	817788	<0.2	1.3					
					11.1	0.1	109	24.9	24.9	7.8	7.8	29.3	29.3	50.7	50.7	3.6	3.6	10.9	3.6	20	19	77	78	822126	817788	<0.2	1.3					
					11.1	0.1	116	24.9	24.9	7.8	7.8	29.3	29.3	50.7	50.7	3.6	3.6	10.9	3.6	19	19	78	78	822126	817788	<0.2	1.3					
IM1	Sunny	Moderate	07:23	8.4	Surface	1.0	0.2	312	27.3	27.3	7.7	7.7	11.3	11.3	71.9	71.9	5.4	5.2	4.8	5.3	7	9	69	72	818346	806444	<0.2	1.8	1.6			
						1.0	0.2	332	27.3	27.3	7.7	7.7	11.3	11.3	71.8	71.8	5.4	5.2	4.8	5.3	7	9	68	70	818346	806444	<0.2	1.6				
						4.2	0.2	-	27.0	27.0	7.7	7.7	12.5	12.5	67.1	67.1	5.0	5.0	5.4	5.3	11	9	70	69	818346	806444	<0.2	1.6				
					4.2	0.2	-	27.0	27.0	7.7	7.7	12.5	12.5	67.1	67.1	5.0	5.0	5.4	5.3	9	9	69	69	818346	806444	<0.2	1.6					
					7.4	0.5	33	26.6	26.7	7.7	7.7	19.1	19.1	75.4	77.5	5.4	5.6	5.8	5.6	9	9	76	77	818346	806444	<0.2	1.6					
					7.4	0.5	33	26.8	26.7	7.7	7.7	19.1	19.1	79.6	77.5	5.7	5.6	5.8	5.6	9	9	77	77	818346	806444	<0.2	1.6					
IM2	Sunny	Moderate	07:28	9.4	Surface	1.0	0.3	347	27.4	27.4	7.7	7.7	11.3	11.3	72.9	72.8	5.4	5.0	4.5	4.8	7	10	69	73	818841	806188	<0.2	1.6	1.6			
						1.0	0.3	355	27.3	27.3	7.7	7.7	11.3	11.3	72.6	72.8	5.4	5.0	4.5	4.8	7	10	70	73	818841	806188	<0.2	1.7				
						4.7	0.3	356	26.9	27.0	7.7	7.7	14.9	14.9	62.3	62.2	4.6	4.6	4.6	4.8	10	10	74	73	818841	806188	<0.2	1.9				
					4.7	0.3	328	27.0	27.0	7.7	7.7	14.8	14.9	62.1	62.2	4.6	4.6	4.6	4.8	9	10	74	73	818841	806188	<0.2	1.5					
					8.4	0.6	53	26.4	26.4	7.7	7.7	18.1	18.1	60.8	61.3	4.4	4.5	5.2	4.5	14	14	76	77	818841	806188	<0.2	1.5					
					8.4	0.7	55	26.3	26.4	7.7	7.7	18.1	18.1	61.8	61.3	4.5	4.5	5.2	4.5	14	14	77	77	818841	806188	<0.2	1.5					
IM3	Sunny	Moderate	07:35	9.3	Surface	1.0	0.3	359	27.2	27.2	7.7	7.7	11.8	11.8	68.0	67.9	5.1	4.9	4.5	4.7	4	7	69	73	819396	806027	<0.2	1.5	1.6			
						1.0	0.3	330	27.2	27.2	7.7	7.7	11.8	11.8	67.7	67.9	5.0	4.9	4.5	4.7	4	7	70	73	819396	806027	<0.2	1.7				
						4.7	0.4	33	27.0	27.0	7.7	7.7	14.2	14.2	63.2	63.2	4.7	4.7	4.6	4.7	4	7	73	74	819396	806027	<0.2	1.5				
					4.7	0.5	34	26.9	26.9	7.7	7.7	14.2	14.2	63.2	63.2	4.7	4.7	4.6	4.7	4	7	74	75	819396	806027	<0.2	1.8					
					8.3	0.5	75	26.6	26.6	7.8	7.8	16.9	17.1	62.7	62.9	4.6	4.6	4.9	4.6	14	14	75	75	819396	806027	<0.2	1.5					
					8.3	0.5	76	26.5	26.6	7.8	7.8	17.3	17.3	63.1	62.9	4.6	4.6	4.9	4.6	14	14	76	76	819396	806027	<0.2	1.8					
IM4	Sunny	Moderate	07:42	8.8	Surface	1.0	0.3	351	27.3	27.3	7.8	7.8	12.1	12.1	65.8	65.8	4.9	4.7	4.5	8.3	8	10	69	74	819570	805047	<0.2	1.6	1.6			
						1.0	0.4	323	27.3	27.3	7.8	7.8	12.1	12.1	65.8	65.8	4.9	4.7	4.5	8.3	8	10	69	75	819570	805047	<0.2	1.6				
						4.4	0.6	41	25.8	25.8	7.8	7.8	23.1	23.1	62.2	62.2	4.4	4.4	7.5	4.7	10	10	76	75	819570	805047	<0.2	1.5				
					4.4	0.6	42	25.8	25.8	7.8	7.8	23.1	23.1	62.2	62.2	4.4	4.4	7.5	4.7	10	10	75	75	819570	805047	<0.2	1.6					
					7.8	0.2	54	25.2	25.3	7.7	7.7	27.5	27.6	49.5	49.5	3.5	3.5	12.9	3.5	10	10	78	78	819570	805047	<0.2	1.8					
					7.8	0.2	57	25.3	25.3	7.7	7.7	27.6	27.6	49.5	49.5	3.5	3.5	12.9	3.5	10	10	78	78	819570	805047	<0.2	1.5					
IM5	Sunny	Moderate	07:48	8.2	Surface	1.0	0.6	358	27.5	27.5	7.8	7.8	12.2	12.2	69.2	69.0	5.1	4.7	5.2	11.2	10	10	69	74	820545	804936	<0.2	1.7	1.6			
						1.0	0.7	329	27.5	27.5	7.8	7.8	12.1	12.2	68.8	69.0	5.1	4.7	5.2	11.2	10	10	69	75	820545	804936	<0.2	1.7				
						4.1	0.5	21	25.5	25.5	7.8	7.8	25.8	25.8	60.8	60.8	4.3	4.3	13.2	4.7	10	10	76	75	820545	804936	<0.2	1.6				
					4.1	0.5	21	25.5	25.5	7.8	7.8	25.8	25.8	60.8	60.8	4.3	4.3	13.2	4.7	9	10	75	78	820545	804936	<0.2	1.6					
					7.2	0.4	24	25.5	25.5	7.8	7.8	25.4	25.4	48.8	48.8	3.5	3.5	15.2	3.5	10	9	78	77	820545	804936	<0.2	1.6					
					7.2	0.5	25	25.5	25.5	7.8	7.8	25.4	25.4	48.8	48.8	3.5	3.5	15.2	3.5	9	9	77	77	820545	804936	<0.2	1.4					
IM6	Sunny	Moderate	07:57	7.5	Surface	1.0	0.0	359	27.3	27.3	7.8	7.8	12.1	12.1	64.5	64.3	4.8	4.6	7.2	12.3												

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 July 17 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
IM9	Sunny	Moderate	07:40	7.7	Surface	1.0	0.1	18	27.6	27.6	8.0	8.0	12.4	12.4	63.7	63.7	4.7	4.5	8.5	11.9	10	68	72	822109	808812	<0.2	1.6	1.5								
						1.0	0.1	19	27.6		8.0	8.0	12.4	12.4	63.7	63.7	4.7		8.5		9	69				<0.2	1.4									
					Middle	3.9	0.3	44	27.4	27.4	7.9	7.9	14.5	14.5	58.6	58.6	4.3	3.4	10.9	3.4	12	71	11	11	72	72	822109	808812	<0.2	1.5	1.5					
						3.9	0.3	47	27.4		7.9	7.9	14.5	14.5	58.6	58.6	4.3		10.9		11	72		<0.2	1.4											
					Bottom	6.7	0.6	67	26.9	26.9	7.7	7.7	17.4	17.4	47.3	47.3	3.4	3.4	16.3	3.4	13	75	6	12	75	72	822109	808812	<0.2	1.5	1.4					
						6.7	0.7	71	26.9		7.7	7.7	17.4	17.4	47.3	47.3	3.4		16.3		12	75		<0.2	1.4											
IM10	Sunny	Moderate	07:33	8.5	Surface	1.0	0.3	273	27.5	27.5	7.8	7.8	13.4	13.4	64.0	64.0	4.7	4.6	6.3	8.0	2	69	73	822250	809846	<0.2	1.4	1.4								
						1.0	0.4	276	27.5		7.8	7.8	13.4	13.4	64.0	64.0	4.7		6.3		4	70				<0.2	1.4									
					Middle	4.3	0.1	314	27.3	27.3	7.9	7.9	15.1	15.1	61.1	61.1	4.5	4.2	7.7	4.2	3	72	6	3	72	73	822250	809846	<0.2	1.4	1.4					
						4.3	0.1	335	27.3		7.9	7.9	15.1	15.1	61.1	61.1	4.5		7.7		4	72		<0.2	1.4											
					Bottom	7.5	0.5	89	26.9	26.9	7.8	7.8	18.1	18.1	58.0	58.0	4.2	4.2	9.9	4.2	10	76	10	10	76	72	822250	809846	<0.2	1.4	1.5					
						7.5	0.5	96	26.9		7.8	7.8	18.1	18.1	58.0	58.0	4.2		9.9		10	76		<0.2	1.5											
IM11	Sunny	Moderate	07:23	9.3	Surface	1.0	0.1	277	27.7	27.7	7.8	7.8	13.6	13.6	67.2	67.2	4.9	4.6	8.3	8.5	6	70	72	821510	810533	<0.2	1.2	1.3								
						1.0	0.1	296	27.7		7.8	7.8	13.6	13.6	67.2	67.2	4.9		8.3		6	69				<0.2	1.3									
					Middle	4.7	0.2	18	27.3	27.3	7.8	7.8	15.3	15.3	59.3	59.3	4.3	4.0	7.4	4.0	11	72	10	11	72	72	821510	810533	<0.2	1.3	1.3					
						4.7	0.2	19	27.3		7.8	7.8	15.3	15.3	59.3	59.3	4.3		7.4		11	72		<0.2	1.2											
					Bottom	8.3	1.2	56	26.6	26.6	7.8	7.8	20.0	20.0	55.1	55.1	4.0	4.0	9.8	4.0	13	75	6	13	75	72	821510	810533	<0.2	1.5	1.4					
						8.3	1.3	56	26.6		7.8	7.8	20.0	20.0	55.1	55.1	4.0		9.8		13	74		<0.2	1.4											
IM12	Sunny	Moderate	07:11	8.6	Surface	1.0	0.2	255	27.7	27.7	7.9	7.9	13.9	13.9	71.2	71.2	5.2	4.5	7.7	9.3	13	69	73	821157	811514	<0.2	1.1	1.4								
						1.0	0.2	264	27.7		7.9	7.9	13.9	13.9	71.2	71.2	5.2		7.7		13	69				<0.2	1.3									
					Middle	4.3	0.1	320	26.8	26.8	7.9	7.9	18.7	18.7	53.3	53.3	3.8	3.8	9.8	3.8	11	73	12	11	73	73	821157	811514	<0.2	1.6	1.4					
						4.3	0.1	348	26.8		7.9	7.9	18.7	18.7	53.3	53.3	3.8		9.8		11	74		<0.2	1.6											
					Bottom	7.6	0.2	33	26.2	26.2	7.8	7.8	22.2	22.2	52.7	52.7	3.8	3.8	10.4	3.8	11	77	8	13	77	72	821157	811514	<0.2	1.2	1.3					
						7.6	0.2	34	26.2		7.8	7.8	22.2	22.2	52.7	52.7	3.8		10.4		13	77		<0.2	1.3											
SR2	Cloudy	Moderate	06:49	4.6	Surface	1.0	0.4	301	27.4	27.4	7.8	7.8	12.5	12.5	60.5	60.5	4.5	4.5	8.8	8.9	7	69	71	821473	814148	<0.2	1.6	1.6								
						1.0	0.4	318	27.4		7.8	7.8	12.5	12.5	60.5	60.5	4.5		8.8		9	70				<0.2	1.5									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	71	821473	814148	<0.2	-	-					
						-	-	-	-		-	-	-	-	-	-	-	-	-		-		-	-					-	-						
					Bottom	3.6	0.2	228	27.4	27.4	7.7	7.7	17.8	17.8	61.7	61.7	4.4	4.4	8.9	4.4	7	72	6	7	72	72	821473	814148	<0.2	1.6	1.6					
						3.6	0.2	247	27.4		7.7	7.7	17.8	17.8	61.7	61.7	4.4		8.9		7	73		<0.2	1.6											
SR3	Sunny	Moderate	07:58	8.6	Surface	1.0	0.3	88	28.1	28.1	7.7	7.7	10.1	10.1	65.2	65.2	4.8	4.7	8.4	11.3	5	-	-	822159	807579	-	-	-								
						1.0	0.3	68	28.1		7.7	7.7	10.1	10.1	65.2	65.2	4.8		8.4		4	-				-	-									
					Middle	4.3	0.9	95	27.6	27.6	7.7	7.7	12.6	12.6	62.2	62.2	4.6	3.5	9.1	3.5	5	-	7	5	-	-	822159	807579	-	-	-					
						4.3	0.9	100	27.6		7.7	7.7	12.6	12.6	62.2	62.2	4.6		9.1		6	-		-												
					Bottom	7.6	0.5	121	27.1	27.1	7.8	7.8	18.0	18.0	48.8	48.8	3.5	3.5	16.3	3.5	11	-	-	11	-	-	822159	807579	-	-	-					
						7.6	0.5	124	27.1		7.8	7.8	18.0	18.0	48.8	48.8	3.5		16.3		10	-		-												
SR4A	Cloudy	Moderate	06:45	10.5	Surface	1.0	0.3	78	27.2	27.2	7.7	7.7	12.6	12.6	70.9	70.9	5.3	5.3	7.6	11.1	5	-	-	817193	807827	-	-	-								
						1.0	0.3	82	27.2		7.7	7.7	12.5	12.5	70.9	70.9	5.3		7.8		4	-				-										
					Middle	5.3	0.1	67	27.2	27.2	7.8	7.8	14.0	14.0	70.9	70.9	5.2	3.5	11.3	3.5	8	-	7	8	-	-	817193	807827	-	-	-					
						5.3	0.1	69	27.2		7.8	7.8	14.0	14.0	70.8	70.8	5.2		11.3		7	-		-												
					Bottom	9.5	0.1	86	26.0	26.0	7.7	7.7	22.6	22.5	48.8	49.0	3.5	3.5	14.4	3.5	9	-	-	9	-	-	817193	807827	-	-	-					
						9.5	0.1	93	26.0		7.7	7.7	22.4	22.4	49.1	49.1	3.5		14.3		9	-		-												
SR5A	Cloudy	Moderate	06:28	5.7	Surface	1.0	0.0	8	27.7	27.7	8.0	8.0	15.4	15.4	93.2	93.2	6.8	6.8	6.6	9.1	8	-	-	816579	810681	-	-	-								
						1.0	0.0	8	27.7		8.0	8.0	15.4	15.4	92.6	92.6	6.7		6.7		8	-				-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	816579	810681	-	-	-					
						-	-	-	-		-	-	-	-	-	-	-	-	-		-		-	-					-							
					Bottom	4.7	0.0	148	27.0	27.0	7.8	7.8	18.2	18.4	77.2	79.1	5.6	5.7	11.5	5.7	9	-	-	9	-	-	816579	810681	-	-	-					
						4.7	0.0	150	27.0		7.8	7.8	18.5	18.4	81.0	81.0	5.8		11.4		9	-		-												
SR6	Cloudy	Moderate	06:05	5.2	Surface	1.0	0.1	244	27.3	27.3	7.7	7.7	13.2	13.2	63.9	63.8	4.7	4.7	12.9	14.7	12	-	-	817917	814666	-	-	-								
						1.0	0.1	251	27.2		7.7	7.7	13.2	13.2	63.7	63.8	4.7		13.0		13	-				-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13	-	817917	814666	-	-	-					
						-	-	-	-		-	-	-	-	-	-	-	-	-		-		-	-					-							
					Bottom	4.2	0.0	207	26.9	26.9	7.6	7.6	16.2	16.2	61.8	62.0	4.5	4.5	16.1	4.5	13	-	-	13	-	-	817917	814666	-	-	-					
						4.2	0.0	213	26.9		7.6	7.6	16.2	16.2	62.1	62.0	4.5		16.0		12	-		-												
SR7	Cloudy	Moderate	05:55	15.8	Surface	1.0	0.2	289	27.1																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 July 17 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
C1	Sunny	Moderate	14:53	8.9	Surface	1.0	0.6	233	29.5	8.3	8.3	13.4	13.4	111.3	110.9	7.9	6.9	3.3	5.0	10	86	92	815602	804255	<0.2	<0.2	2.1	1.8								
						1.0	0.7	243	29.4	8.3	8.3	13.4	13.4	110.5	110.9	7.8	6.9	3.3	5.0	8	87	92	815602	804255	<0.2	<0.2	1.9	1.8								
						4.5	0.5	225	26.6	8.1	8.1	22.0	22.0	84.8	84.8	6.0	4.8	3.2	5.0	9	92	93	815602	804255	<0.2	<0.2	2.0	1.5								
					4.5	0.5	246	26.6	8.1	8.1	21.9	22.0	84.7	84.8	6.0	4.8	3.2	5.0	11	93	96	815602	804255	<0.2	<0.2	2.0	1.5									
					7.9	0.6	233	25.5	7.9	7.9	26.4	26.4	67.9	68.2	4.8	4.8	8.4	4.8	13	96	96	815602	804255	<0.2	<0.2	1.7	1.7									
					7.9	0.6	242	25.5	7.9	7.9	26.4	26.4	68.5	68.2	4.8	4.8	8.6	4.8	14	96	96	815602	804255	<0.2	<0.2	2.1	1.7									
C2	Sunny	Moderate	13:54	12.1	Surface	1.0	0.2	179	28.8	7.9	7.9	11.5	11.5	76.3	76.3	5.5	4.7	6.8	11.3	13	83	92	825674	806937	<0.2	<0.2	2.7	2.6								
						1.0	0.3	182	28.8	7.9	7.9	11.5	11.5	76.3	76.3	5.5	4.7	6.8	11.3	14	84	92	825674	806937	<0.2	<0.2	2.7	2.6								
						6.1	0.6	174	27.1	7.8	7.8	17.7	17.7	52.9	52.9	3.8	3.8	12.0	11.3	12	92	93	825674	806937	<0.2	<0.2	2.6	2.6								
					6.1	0.6	183	27.1	7.8	7.8	17.7	17.7	52.9	52.9	3.8	3.8	12.0	11.3	13	93	98	825674	806937	<0.2	<0.2	2.6	2.4									
					11.1	0.4	159	25.7	7.8	7.8	27.0	27.0	57.5	57.8	4.0	4.1	15.2	4.1	14	98	99	825674	806937	<0.2	<0.2	2.4	2.6									
					11.1	0.4	162	25.7	7.8	7.8	27.1	27.1	58.1	57.8	4.1	4.1	15.2	4.1	14	99	99	825674	806937	<0.2	<0.2	2.6	2.6									
C3	Sunny	Moderate	15:43	16.3	Surface	1.0	0.6	103	27.7	8.0	8.0	19.4	19.3	79.3	79.3	5.6	5.4	5.8	7.2	14	91	94	822127	817818	<0.2	<0.2	1.7	1.7								
						1.0	0.6	106	27.9	8.0	8.0	19.2	19.3	79.3	79.3	5.6	5.4	5.8	7.2	15	91	95	822127	817818	<0.2	<0.2	1.6	1.6								
						8.2	0.0	244	27.2	8.1	8.1	21.7	21.7	73.0	73.0	5.1	5.1	6.6	7.2	16	95	94	822127	817818	<0.2	<0.2	1.8	1.7								
					8.2	0.0	255	27.2	8.1	8.1	21.7	21.7	73.0	73.0	5.1	5.1	6.6	7.2	16	94	98	822127	817818	<0.2	<0.2	1.8	1.6									
					15.3	1.2	154	25.6	7.9	7.9	28.2	28.2	62.3	62.3	4.4	4.4	9.2	4.4	15	98	97	822127	817818	<0.2	<0.2	1.6	1.7									
					15.3	1.4	164	25.6	7.9	7.9	28.2	28.2	62.3	62.3	4.4	4.4	9.2	4.4	15	97	97	822127	817818	<0.2	<0.2	1.7	1.7									
IM1	Sunny	Moderate	14:37	7.7	Surface	1.0	0.4	198	26.4	7.9	7.9	21.9	21.9	68.2	68.2	4.9	4.6	6.2	7.6	8	92	94	818346	806438	<0.2	<0.2	1.8	2.2								
						1.0	0.5	198	26.4	7.9	7.9	21.9	21.9	68.2	68.2	4.9	4.6	6.2	7.6	6	91	94	818346	806438	<0.2	<0.2	2.1	2.1								
						3.9	0.4	203	25.9	7.9	7.9	24.9	24.9	60.3	60.3	4.3	4.3	8.6	7.6	11	94	94	818346	806438	<0.2	<0.2	2.4	2.1								
					3.9	0.4	204	25.9	7.9	7.9	24.8	24.9	60.2	60.3	4.3	4.3	8.5	7.6	12	94	95	818346	806438	<0.2	<0.2	2.1	2.3									
					6.7	0.3	172	25.6	7.9	7.9	26.2	26.2	52.4	52.4	3.7	3.7	8.1	4.4	15	95	96	818346	806438	<0.2	<0.2	2.3	2.2									
					6.7	0.3	186	25.6	7.9	7.9	26.2	26.2	52.4	52.4	3.7	3.7	8.1	4.4	14	96	96	818346	806438	<0.2	<0.2	2.2	2.2									
IM2	Sunny	Moderate	14:31	9.2	Surface	1.0	0.5	210	28.1	8.2	8.2	15.6	15.6	100.9	101.0	7.2	5.5	4.3	7.4	8	89	93	818851	806176	<0.2	<0.2	2.1	2.1								
						1.0	0.6	218	28.1	8.2	8.2	15.6	15.6	101.0	101.0	7.2	5.5	4.4	7.4	7	88	93	818851	806176	<0.2	<0.2	2.1	2.1								
						4.6	0.4	221	25.8	7.9	7.9	25.2	25.2	52.6	52.7	3.7	3.7	9.3	4.1	10	93	94	818851	806176	<0.2	<0.2	2.0	2.0								
					4.6	0.4	224	25.8	7.9	7.9	25.2	25.2	52.7	52.7	3.7	3.7	9.3	4.1	9	94	96	818851	806176	<0.2	<0.2	2.1	2.1									
					8.2	0.2	171	25.7	7.9	7.9	25.8	25.8	58.1	58.3	4.1	4.1	8.6	4.1	17	96	95	818851	806176	<0.2	<0.2	2.0	2.1									
					8.2	0.2	174	25.7	7.9	7.9	25.8	25.8	58.4	58.3	4.1	4.1	8.6	4.1	18	95	95	818851	806176	<0.2	<0.2	2.1	2.1									
IM3	Sunny	Moderate	14:23	8.9	Surface	1.0	0.4	187	28.0	8.2	8.2	14.6	14.6	90.8	90.6	6.6	5.3	3.8	7.0	9	83	90	819408	806006	<0.2	<0.2	2.1	2.1								
						1.0	0.4	196	28.0	8.2	8.2	14.6	14.6	90.4	90.6	6.5	5.3	3.8	7.0	8	84	92	819408	806006	<0.2	<0.2	2.2	2.2								
						4.5	0.4	187	26.1	7.9	7.9	23.5	23.5	58.4	58.4	4.1	4.1	6.4	7.0	12	92	93	819408	806006	<0.2	<0.2	2.2	2.2								
					4.5	0.4	196	26.1	7.9	7.9	23.5	23.5	58.4	58.4	4.1	4.1	6.5	7.0	12	93	95	819408	806006	<0.2	<0.2	2.2	1.9									
					7.9	0.1	158	25.7	7.9	7.9	25.4	25.4	59.7	59.9	4.2	4.2	10.7	4.2	12	95	94	819408	806006	<0.2	<0.2	1.9	2.1									
					7.9	0.1	166	25.7	7.9	7.9	25.4	25.4	60.0	60.0	4.2	4.2	10.8	4.2	13	94	94	819408	806006	<0.2	<0.2	2.1	2.1									
IM4	Sunny	Moderate	14:15	8.6	Surface	1.0	0.3	179	28.6	8.2	8.2	13.2	13.3	88.5	88.2	6.4	5.2	4.8	8.4	7	83	90	819579	805053	<0.2	<0.2	1.7	1.9								
						1.0	0.3	190	28.6	8.2	8.2	13.3	13.3	87.8	88.2	6.3	5.2	4.8	8.4	8	84	92	819579	805053	<0.2	<0.2	1.9	1.8								
						4.3	0.4	169	26.3	7.9	7.9	22.4	22.4	58.1	58.1	4.1	4.1	8.7	8.4	10	91	92	819579	805053	<0.2	<0.2	1.8	1.8								
					4.3	0.4	183	26.3	7.9	7.9	22.3	22.3	58.1	58.1	4.1	4.1	8.7	8.4	10	92	93	819579	805053	<0.2	<0.2	1.8	1.8									
					7.6	0.4	154	25.6	7.8	7.8	26.3	26.3	61.0	61.3	4.3	4.3	11.8	4.3	10	93	94	819579	805053	<0.2	<0.2	2.1	2.1									
					7.6	0.4	161	25.6	7.8	7.8	26.3	26.3	61.6	61.6	4.3	4.3	11.8	4.3	11	94	94	819579	805053	<0.2	<0.2	2.1	2.1									
IM5	Sunny	Moderate	14:09	7.7	Surface	1.0	0.4	177	29.0	8.1	8.1	13.1	12.7	93.5	93.0	6.7	5.7	4.1	5.5	8	84	91	820573	804939	<0.2	<0.2	2.5	2.2								
						1.0	0.4	190	29.2	8.1	8.1	12.2	12.7	92.4	93.0	6.6	5.7	4.2	5.5	10	84	94	820573	804939	<0.2	<0.2	2.3	2.2								
						3.9	0.3	173	26.4	8.0	8.0	21.7	21.9	67.5	67.1	4.8	4.8	5.5	5.5	9	93	94	820573	804939	<0.2	<0.2	2.2	2.2								
					3.9	0.4	185	26.3	7.9	7.9	22.0	21.9	66.7	67.1	4.8	4.8	5.6	5.5	9	94	94	820573	804939	<0.2	<0.2	2.2	2.0									
					6.7	0.3	200	26.0	7.9	7.9	23.9	24.0	69.7	71.0	4.9	5.0	6.8	5.0	13	94	94	820573	804939	<0.2	<0.2	2.0	2.0									
					6.7	0.3	211	26.0	7.9	7.9	24.0	24.0	72.3	71.0	5.1	5.0	6.9	5.0	13	94	94	820573	804939	<0.2	<0.2	2.0	2.0									
IM6	Sunny	Moderate	14:00	7.6	Surface	1.0	0.2	213	28.3	8.1	8.1	13																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 July 17 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
IM9	Sunny	Moderate	14:28	8.2	Surface	1.0	0.6	154	28.6	28.6	7.9	7.9	11.5	11.5	81.3	81.3	5.9	5.9	7.7	7.7	7	7	83	83	91	822083	808796	<0.2	2.6	2.6						
						1.0	0.7	162	28.6	28.6	7.9	7.9	11.5	11.5	81.3	81.3	5.9	5.9	7.7	7.7	8	8	84	84				<0.2	2.6							
					Middle	4.1	0.3	126	27.6	27.6	7.8	7.8	18.9	18.9	57.0	57.0	4.0	4.0	10.1	10.1	10	10	95	95				<0.2	2.4							
						4.1	0.3	135	27.6	27.6	7.8	7.8	18.9	18.9	57.0	57.0	4.0	4.0	10.1	10.1	11	11	94	94				<0.2	2.9							
					Bottom	7.2	0.2	51	26.9	26.9	7.8	7.8	21.1	21.1	51.6	51.6	3.7	3.7	13.2	13.2	13	13	96	96				<0.2	2.6							
						7.2	0.2	52	26.9	26.9	7.8	7.8	21.1	21.1	51.6	51.6	3.7	3.7	13.2	13.2	14	14	96	96				<0.2	2.2							
IM10	Sunny	Moderate	14:38	7.6	Surface	1.0	0.4	124	29.4	29.4	8.0	8.0	11.4	11.4	90.0	90.0	6.5	6.5	6.0	6.0	8	8	83	83	89	822239	809855	<0.2	2.4	2.4						
						1.0	0.4	126	29.4	29.4	8.0	8.0	11.4	11.4	90.0	90.0	6.5	6.5	6.0	6.0	8	8	84	84				<0.2	2.5							
					Middle	3.8	0.6	123	28.2	28.2	7.8	7.8	15.4	15.4	61.8	61.8	4.4	4.4	10.3	10.3	10	10	89	89				<0.2	2.2							
						3.8	0.7	127	28.2	28.2	7.8	7.8	15.4	15.4	61.8	61.8	4.4	4.4	10.3	10.3	10	10	89	89				<0.2	2.5							
					Bottom	6.6	0.5	105	27.5	27.5	7.8	7.8	19.5	19.5	59.1	59.1	4.2	4.2	14.5	14.5	16	16	94	94				<0.2	2.6							
						6.6	0.5	108	27.5	27.5	7.8	7.8	19.5	19.5	59.1	59.1	4.2	4.2	14.5	14.5	14	14	95	95				<0.2	2.3							
IM11	Sunny	Moderate	14:49	8.0	Surface	1.0	0.5	123	30.1	30.1	8.1	8.1	11.1	11.1	98.4	98.4	7.0	7.0	6.7	6.7	11	11	85	85	89	821482	810545	<0.2	2.4	2.5						
						1.0	0.5	129	30.1	30.1	8.1	8.1	11.1	11.1	98.4	98.4	7.0	7.0	6.7	6.7	10	10	83	83				<0.2	2.2							
					Middle	4.0	0.7	112	28.4	28.4	7.9	7.9	14.7	14.7	69.2	69.2	5.0	5.0	8.3	8.3	9	9	89	89				<0.2	2.3							
						4.0	0.7	115	28.4	28.4	7.9	7.9	14.7	14.7	69.2	69.2	5.0	5.0	8.3	8.3	9	9	89	89				<0.2	2.4							
					Bottom	7.0	0.5	94	27.6	27.6	7.8	7.8	18.8	18.8	55.9	55.9	4.0	4.0	10.2	10.2	14	14	93	93				<0.2	2.8							
						7.0	0.5	98	27.6	27.6	7.8	7.8	18.8	18.8	55.9	55.9	4.0	4.0	10.2	10.2	15	15	93	93				<0.2	2.7							
IM12	Sunny	Moderate	14:58	7.9	Surface	1.0	0.6	108	29.3	29.3	8.0	8.0	13.6	13.6	91.2	91.2	6.5	6.5	6.8	6.8	10	10	85	85	91	821172	811525	<0.2	2.3	2.3						
						1.0	0.7	111	29.3	29.3	8.0	8.0	13.6	13.6	91.2	91.2	6.5	6.5	6.8	6.8	10	10	86	86				<0.2	2.2							
					Middle	4.0	0.6	97	28.3	28.3	7.9	7.9	17.4	17.4	69.7	69.7	4.9	4.9	8.8	8.8	13	13	92	92				<0.2	2.1							
						4.0	0.6	105	28.3	28.3	7.9	7.9	17.4	17.4	69.7	69.7	4.9	4.9	8.8	8.8	13	13	94	94				<0.2	2.0							
					Bottom	6.9	0.3	83	27.8	27.8	7.9	7.9	18.2	18.2	63.9	63.9	4.5	4.5	12.9	12.9	14	14	95	95				<0.2	2.4							
						6.9	0.3	84	27.8	27.8	7.9	7.9	18.2	18.2	63.9	63.9	4.5	4.5	12.9	12.9	13	13	96	96				<0.2	2.6							
SR2	Sunny	Moderate	15:23	5.1	Surface	1.0	0.7	83	28.5	28.5	8.1	8.1	14.6	14.6	83.0	83.0	5.9	5.9	7.2	7.2	9	9	88	88	92	821481	814152	<0.2	2.4	2.3						
						1.0	0.7	88	28.5	28.5	8.1	8.1	14.6	14.6	83.0	83.0	5.9	5.9	7.2	7.2	10	10	89	89				<0.2	2.4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	
					Bottom	4.1	0.2	67	27.2	27.2	7.9	7.9	19.7	19.7	64.1	64.1	4.6	4.6	10.7	10.7	20	20	94	94				<0.2	2.1							
						4.1	0.3	69	27.2	27.2	7.9	7.9	19.7	19.7	64.1	64.1	4.6	4.6	10.7	10.7	18	18	95	95				<0.2	2.1							
SR3	Sunny	Moderate	14:13	9.4	Surface	1.0	0.6	171	28.3	28.3	7.9	7.9	11.6	11.6	75.9	75.9	5.5	5.5	7.8	7.8	11	11	-	-	-	822132	807560	-	-	-						
						1.0	0.6	171	28.3	28.3	7.9	7.9	11.6	11.6	75.9	75.9	5.5	5.5	7.8	7.8	10	10	-	-												
					Middle	4.7	0.2	172	27.0	27.0	7.8	7.8	19.5	19.5	57.0	57.0	4.1	4.1	10.2	10.2	11	11	-	-												
						4.7	0.2	173	27.0	27.0	7.8	7.8	19.5	19.5	57.0	57.0	4.1	4.1	10.2	10.2	11	11	-	-												
					Bottom	8.4	0.2	36	26.8	26.8	7.8	7.8	20.5	20.5	60.8	60.8	4.3	4.3	15.3	15.3	11	11	-	-												
						8.4	0.2	37	26.8	26.8	7.8	7.8	20.5	20.5	60.8	60.8	4.3	4.3	15.3	15.3	12	12	-	-												
SR4A	Sunny	Moderate	15:18	8.7	Surface	1.0	0.1	39	28.0	28.0	8.1	8.1	17.4	17.4	90.8	90.8	6.5	6.5	6.4	6.4	19	19	-	-	-	817175	807816	-	-	-						
						1.0	0.1	41	28.0	28.0	8.1	8.1	17.4	17.4	89.3	89.3	6.4	6.4	6.4	6.4	17	17	-	-												
					Middle	4.4	0.2	89	25.6	25.6	7.8	7.8	26.5	26.5	50.2	50.3	3.5	3.5	16.3	16.3	18	18	-	-												
						4.4	0.2	94	25.6	25.6	7.8	7.8	26.5	26.5	50.3	50.3	3.5	3.5	16.4	16.4	17	17	-	-												
					Bottom	7.7	0.2	89	25.5	25.5	7.8	7.8	27.1	27.1	58.7	58.9	4.1	4.1	17.8	17.8	17	17	-	-												
						7.7	0.2	90	25.5	25.5	7.8	7.8	27.1	27.1	59.1	59.1	4.2	4.2	17.8	17.8	18	18	-	-												
SR5A	Sunny	Moderate	15:35	5.0	Surface	1.0	0.0	344	28.9	28.9	8.6	8.6	17.1	17.1	168.2	167.8	11.8	11.8	7.5	7.5	13	13	-	-	-	816596	810711	-	-	-						
						1.0	0.0	351	28.9	28.9	8.6	8.6	17.1	17.1	167.4	167.4	11.7	11.7	7.5	7.5	11	11	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	
					Bottom	4.0	0.1	160	28.4	28.4	8.2	8.2	17.8	17.8	134.6	133.8	9.5	9.5	9.8	9.8	13	13	-	-												
						4.0	0.1	166	28.4	28.4	8.2	8.2	17.8	17.8	133.0	133.8	9.4	9.4	9.2	9.2	15	15	-	-												
SR6	Sunny	Moderate	15:59	4.4	Surface	1.0	0.1	152	28.7	28.7	8.6	8.6	16.5	16.5	156.5	154.1	11.1	11.1	6.0	6.0	24	24	-	-	-	817902	814661	-	-	-						
						1.0	0.1	165	28.6	28.6	8.6	8.6	16.5	16.5	151.6	151.6	10.7	10.7	6.3	6.3	25	25	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-		
					Bottom	3.4	0.2	119	27.8	27.8	8.3	8.3	17.6	17.6	120.1	120.4	8.6	8.6	10.2	10.2	26	26	-	-												
						3.4	0.2	122	27.7	27.7	8.3	8.3	17.6	17.6	120.7	120.4	8.6	8.6	10.4	10.4	24	24	-	-												
SR7	Sunny	Moderate	16:12	17.8	Surface	1.0	0.7	73	28.7																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 July 17 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	08:18	8.6	Surface	1.0	0.6	20	27.3	7.8	7.8	14.5	14.6	67.2	67.1	4.9	4.8	4.3	4.8	8.9	16	16	86	92	815610	804236	<0.2	2.2	2.2							
						1.0	0.6	20	27.2	7.8	7.8	14.7	14.6	66.9	67.1	4.9	4.8	4.3	4.8	8.9	16	16	86	92	815610	804236	<0.2	2.0								
						4.3	0.6	30	25.9	25.9	7.8	7.8	24.1	24.1	52.8	52.9	3.7	10.3	4.3	10.3	8.9	16	16	93	92	815610	804236	<0.2		2.6						
					4.3	0.6	32	25.9	25.9	7.8	7.8	24.1	24.1	52.9	52.9	3.8	10.3	4.3	10.3	8.9	16	16	94	92	815610	804236	<0.2	2.4								
					7.6	0.5	26	25.3	25.3	7.8	7.8	27.8	27.8	54.0	54.2	3.8	11.7	4.0	11.7	8.9	16	16	96	92	815610	804236	<0.2	1.8								
					7.6	0.5	28	25.3	25.3	7.8	7.8	27.8	27.8	54.4	54.2	3.8	11.7	4.0	11.7	8.9	16	16	97	92	815610	804236	<0.2	1.9								
C2	Sunny	Moderate	09:42	12.2	Surface	1.0	0.5	356	29.2	7.7	7.7	8.9	8.9	67.2	67.2	4.9	8.8	4.6	8.8	10.4	15	14	82	89	825676	806938	<0.2	2.5	2.4							
						1.0	0.5	328	29.2	7.7	7.7	8.9	8.9	67.2	67.2	4.9	8.8	4.6	8.8	10.4	14	14	81	89	825676	806938	<0.2	2.4								
						6.1	2.6	9	27.9	27.9	7.8	7.8	16.8	16.8	60.2	60.2	4.3	9.2	4.0	9.2	10.4	15	14	89	89	825676	806938	<0.2		2.6						
					6.1	2.7	9	27.9	27.9	7.8	7.8	16.8	16.8	60.2	60.2	4.3	9.2	4.0	9.2	10.4	15	14	88	89	825676	806938	<0.2	2.6								
					11.2	2.5	21	27.2	27.2	7.8	7.8	20.0	20.0	56.2	56.2	4.0	13.2	4.0	13.2	10.4	14	14	95	89	825676	806938	<0.2	2.4								
					11.2	2.7	21	27.2	27.2	7.8	7.8	20.0	20.0	56.2	56.2	4.0	13.2	4.0	13.2	10.4	13	14	96	89	825676	806938	<0.2	2.1								
C3	Sunny	Moderate	07:50	13.2	Surface	1.0	0.5	268	27.9	7.9	7.9	14.5	14.5	73.8	73.8	5.3	5.9	4.9	5.9	7.5	10	12	85	92	822109	817788	<0.2	2.3	2.2							
						1.0	0.6	284	27.9	7.9	7.9	14.5	14.5	73.8	73.8	5.3	5.9	4.9	5.9	7.5	8	12	86	92	822109	817788	<0.2	2.2								
						6.6	2.4	294	26.5	26.5	8.0	8.0	22.8	22.8	63.0	63.0	4.5	6.2	4.0	6.2	7.5	9	12	94	92	822109	817788	<0.2		2.2						
					6.6	2.6	304	26.5	26.5	8.0	8.0	22.8	22.8	63.0	63.0	4.5	6.2	4.0	6.2	7.5	9	12	94	92	822109	817788	<0.2	2.2								
					12.2	2.5	300	25.2	25.2	7.9	7.9	29.1	29.1	56.8	56.8	4.0	10.5	4.0	10.5	7.5	18	12	97	92	822109	817788	<0.2	2.0								
					12.2	2.7	323	25.2	25.2	7.9	7.9	29.1	29.1	56.8	56.8	4.0	10.5	4.0	10.5	7.5	18	12	96	92	822109	817788	<0.2	2.1								
IM1	Sunny	Moderate	08:34	8.7	Surface	1.0	0.5	10	27.9	7.9	7.9	12.9	12.9	77.7	77.6	5.7	4.0	5.3	4.0	5.7	8	13	82	87	818339	806472	<0.2	2.2	1.9							
						1.0	0.5	10	27.9	27.9	7.9	7.9	12.9	12.9	77.4	77.6	5.7	4.0	5.3	4.0	5.7	8	13	83	87	818339	806472	<0.2		2.0						
						4.4	0.5	359	27.3	27.3	7.8	7.8	15.9	15.9	67.4	67.5	4.9	5.7	5.1	5.7	5.7	16	13	88	87	818339	806472	<0.2		1.9						
					4.4	0.6	330	27.3	27.3	7.8	7.8	15.9	15.9	67.6	67.5	4.9	5.9	5.1	5.9	5.7	14	13	87	87	818339	806472	<0.2	1.9								
					7.7	0.4	337	27.2	27.2	7.8	7.8	17.0	17.0	70.7	71.0	5.1	7.0	5.1	7.0	5.7	17	13	92	87	818339	806472	<0.2	1.8								
					7.7	0.4	337	27.2	27.2	7.8	7.8	17.0	17.0	71.2	71.0	5.1	7.3	5.1	7.3	5.7	16	13	91	87	818339	806472	<0.2	1.8								
IM2	Sunny	Moderate	08:39	10.2	Surface	1.0	0.4	3	27.9	7.9	7.9	12.9	12.9	75.0	74.8	5.5	4.3	5.1	4.4	6.1	10	10	82	88	818845	806212	<0.2	1.9	2.0							
						1.0	0.4	3	27.9	27.9	7.9	7.9	12.9	12.9	74.5	74.8	5.4	4.4	5.1	4.4	6.1	9	10	83	88	818845	806212	<0.2		1.9						
						5.1	0.6	357	27.3	27.3	7.8	7.8	16.0	16.0	65.3	65.3	4.7	6.0	4.0	6.0	6.1	9	10	88	88	818845	806212	<0.2		1.9						
					5.1	0.6	328	27.3	27.3	7.8	7.8	16.0	16.0	65.3	65.3	4.7	6.2	4.0	6.2	6.1	9	10	89	88	818845	806212	<0.2	2.2								
					9.2	0.4	346	27.1	27.1	7.8	7.8	17.1	17.1	68.8	68.9	5.0	7.9	4.0	7.9	6.1	13	10	92	88	818845	806212	<0.2	2.1								
					9.2	0.5	355	27.1	27.1	7.8	7.8	17.1	17.1	69.0	68.9	5.0	7.9	4.0	7.9	6.1	12	10	92	88	818845	806212	<0.2	2.0								
IM3	Sunny	Moderate	08:47	8.4	Surface	1.0	0.5	17	27.7	7.9	7.9	12.7	12.7	76.3	76.3	5.6	4.1	5.2	4.1	5.3	8	9	83	89	819406	806020	<0.2	2.1	2.3							
						1.0	0.5	18	27.7	27.7	7.9	7.9	12.6	12.7	76.3	76.3	5.6	4.1	5.2	4.1	5.3	8	9	83	89	819406	806020	<0.2		2.2						
						4.2	0.6	27	27.2	27.2	7.8	7.8	16.3	16.3	66.4	66.4	4.8	4.4	4.0	4.4	5.3	10	9	90	89	819406	806020	<0.2		2.6						
					4.2	0.6	27	27.2	27.2	7.8	7.8	16.3	16.3	66.3	66.4	4.8	4.5	4.0	4.5	5.3	10	9	91	89	819406	806020	<0.2	2.3								
					7.4	0.5	30	27.0	27.0	7.9	7.9	17.2	17.3	64.1	64.1	4.6	7.3	4.0	7.3	4.6	8	9	94	89	819406	806020	<0.2	2.3								
					7.4	0.5	32	26.9	26.9	7.9	7.9	17.4	17.4	64.1	64.1	4.6	7.2	4.0	7.2	4.6	9	9	94	89	819406	806020	<0.2	2.2								
IM4	Sunny	Moderate	08:55	8.9	Surface	1.0	0.6	8	27.6	7.9	7.9	12.7	12.7	77.0	76.9	5.7	3.9	5.1	3.9	8.3	10	10	83	88	819563	805046	<0.2	2.3	2.1							
						1.0	0.6	8	27.6	27.6	7.9	7.9	12.7	12.7	76.8	76.9	5.6	3.9	5.1	3.9	8.3	10	10	84	88	819563	805046	<0.2		2.0						
						4.5	0.6	13	27.2	27.2	7.8	7.8	15.5	15.5	61.8	61.7	4.5	6.8	4.0	6.8	5.1	9	10	86	88	819563	805046	<0.2		2.2						
					4.5	0.6	13	27.2	27.2	7.8	7.8	15.5	15.5	61.6	61.7	4.5	6.9	4.0	6.9	5.1	9	10	86	88	819563	805046	<0.2	2.1								
					7.9	0.3	17	26.1	26.1	7.8	7.8	23.8	23.8	62.0	62.2	4.4	14.0	4.4	14.0	4.4	9	10	94	88	819563	805046	<0.2	1.8								
					7.9	0.3	18	26.1	26.1	7.8	7.8	23.8	23.8	62.3	62.2	4.4	14.1	4.4	14.1	4.4	11	10	94	88	819563	805046	<0.2	2.2								
IM5	Sunny	Moderate	09:01	8.1	Surface	1.0	0.8	13	27.7	7.8	7.8	12.8	12.8	72.2	72.1	5.3	4.0	4.7	4.0	9.3	10	10	83	90	820549	804904	<0.2	2.4	2.0							
						1.0	0.8	13	27.7	27.7	7.8	7.8	12.8	12.8	71.9	72.1	5.3	4.1	4.7	4.0	9.3	9	10	84	90	820549	804904	<0.2		2.0						
						4.1	0.6	17	26.4	26.4	7.9	7.9	21.4	21.4	55.9	55.8	4.0	10.6	4.0	10.6	4.7	9	10	92	90	820549	804904	<0.2		2.2						
					4.1	0.7	17	26.4	26.4	7.9	7.9	21.4	21.4	55.7	55.8	4.0	10.9	4.0	10.9	4.7	10	10	93	90	820549	804904	<0.2	2.1								
					7.1	0.4	22	26.2	26.2	7.9	7.9	23.1	23.1	59.0	59.8	4.2	13.0	4.0	13.0	4.3	12	10	94	90	820549	804904	<0.2	1.7								
					7.1	0.4	23	26.2	26.2	7.9	7.9	23.1																								



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

Water Quality Monitoring

Water Quality Monitoring Results on 13 July 17 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
IM9	Sunny	Moderate	09:08	8.0	Surface	1.0	0.3	358	28.8	28.8	7.8	7.8	11.5	11.5	68.2	68.2	4.9	4.8	10.0	12.8	13	13	83	87	822094	808813	<0.2	<0.2	1.6	1.9						
						1.0	0.4	329	28.8	28.8	7.8	7.8	11.5	11.5	68.2	68.2	4.9	4.8	10.0	12.8	13	13	83	87	822094	808813	<0.2	<0.2	1.6	1.9						
						4.0	1.0	350	28.3	28.3	7.8	7.8	13.2	13.2	64.0	64.0	4.6	4.5	13.2	12.8	12	13	85	87	822094	808813	<0.2	<0.2	1.8	1.9						
					4.0	1.1	350	28.3	28.3	7.8	7.8	13.2	13.2	64.0	64.0	4.6	4.5	13.2	12.8	13	13	86	87	822094	808813	<0.2	<0.2	1.8	1.9							
					7.0	0.8	357	27.5	27.5	7.9	7.9	18.8	18.8	63.0	63.0	4.5	4.5	15.2	12.8	13	13	94	87	822094	808813	<0.2	<0.2	2.2	1.9							
					7.0	0.8	359	27.5	27.5	7.9	7.9	18.8	18.8	63.0	63.0	4.5	4.5	15.2	12.8	13	13	93	87	822094	808813	<0.2	<0.2	1.8	1.9							
IM10	Sunny	Moderate	09:01	7.8	Surface	1.0	0.6	312	28.3	28.3	7.9	7.9	12.7	12.7	72.6	72.6	5.3	5.1	8.6	11.8	12	14	84	89	822226	809836	<0.2	<0.2	2.0	1.9						
						1.0	0.7	334	28.3	28.3	7.9	7.9	12.7	12.7	72.6	72.6	5.3	5.1	8.6	11.8	12	14	85	89	822226	809836	<0.2	<0.2	2.1	1.9						
						3.9	1.3	327	28.0	28.0	8.0	8.0	15.5	15.5	68.6	68.6	4.9	4.9	11.0	11.8	14	14	88	89	822226	809836	<0.2	<0.2	2.0	1.9						
					3.9	1.4	351	28.0	28.0	8.0	8.0	15.5	15.5	68.6	68.6	4.9	4.9	11.0	11.8	13	14	89	89	822226	809836	<0.2	<0.2	1.8	1.9							
					6.8	1.3	323	27.2	27.2	7.9	7.9	19.9	19.9	61.0	61.0	4.3	4.3	15.8	11.8	15	14	93	89	822226	809836	<0.2	<0.2	1.6	1.9							
					6.8	1.4	330	27.2	27.2	7.9	7.9	19.9	19.9	61.0	61.0	4.3	4.3	15.8	11.8	15	14	93	89	822226	809836	<0.2	<0.2	1.6	1.9							
IM11	Sunny	Moderate	08:50	8.0	Surface	1.0	0.6	283	28.2	28.2	8.0	8.0	13.0	13.0	75.8	75.8	5.5	5.2	8.5	12.2	12	12	84	90	821499	810548	<0.2	<0.2	2.1	2.0						
						1.0	0.7	300	28.2	28.2	8.0	8.0	13.0	13.0	75.8	75.8	5.5	5.2	8.5	12.2	12	12	85	90	821499	810548	<0.2	<0.2	2.0	2.0						
						4.0	0.7	350	27.5	27.5	8.0	8.0	16.9	17.0	67.8	67.7	4.9	4.9	12.2	12.2	13	12	92	90	821499	810548	<0.2	<0.2	2.0	2.0						
					4.0	0.7	322	27.5	27.5	8.0	8.0	17.0	17.0	67.5	67.7	4.9	4.9	12.4	12.2	12	12	92	90	821499	810548	<0.2	<0.2	2.0	2.0							
					7.0	1.1	354	26.9	26.9	7.9	7.9	20.9	20.9	68.0	68.0	4.8	4.8	15.7	12.2	12	12	93	90	821499	810548	<0.2	<0.2	2.2	2.0							
					7.0	1.1	359	26.9	26.9	7.9	7.9	20.9	20.9	68.0	68.0	4.8	4.8	15.7	12.2	12	12	94	90	821499	810548	<0.2	<0.2	1.9	2.0							
IM12	Sunny	Moderate	08:40	9.4	Surface	1.0	0.9	283	27.8	27.8	8.0	8.0	15.6	15.6	77.3	77.3	5.6	5.2	7.2	10.6	14	15	88	91	821167	811502	<0.2	<0.2	1.8	1.8						
						1.0	0.9	301	27.8	27.8	8.0	8.0	15.6	15.6	77.3	77.3	5.6	5.2	7.2	10.6	12	15	87	91	821167	811502	<0.2	<0.2	1.7	1.8						
						4.7	0.6	303	27.4	27.4	8.0	8.0	17.5	17.5	66.0	66.0	4.7	4.7	9.6	10.6	17	15	91	91	821167	811502	<0.2	<0.2	1.7	1.8						
					4.7	0.6	324	27.4	27.4	8.0	8.0	17.5	17.5	66.0	66.0	4.7	4.7	9.6	10.6	17	15	91	91	821167	811502	<0.2	<0.2	1.7	1.8							
					8.4	0.6	48	26.5	26.5	7.9	7.9	22.2	22.2	57.7	57.7	4.1	4.1	14.9	10.6	15	15	95	91	821167	811502	<0.2	<0.2	1.8	1.8							
					8.4	0.6	51	26.5	26.5	7.9	7.9	22.2	22.2	57.7	57.7	4.1	4.1	14.9	10.6	16	15	94	91	821167	811502	<0.2	<0.2	1.9	1.8							
SR2	Sunny	Moderate	08:14	5.2	Surface	1.0	0.2	119	27.7	27.7	7.9	7.9	13.7	13.7	67.0	67.0	4.9	4.9	8.1	8.4	4	6	84	88	821479	814179	<0.2	<0.2	2.2	2.1						
						1.0	0.2	125	27.7	27.7	7.9	7.9	13.7	13.7	67.0	67.0	4.9	4.9	8.1	8.4	3	6	85	88	821479	814179	<0.2	<0.2	2.1	2.1						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	88	821479	814179	<0.2	<0.2	-	-			
					4.2	0.1	168	27.4	27.4	7.9	7.9	17.2	17.2	67.2	67.2	4.8	4.8	8.6	8.4	8	6	91	88	821479	814179	<0.2	<0.2	2.0	2.1							
					4.2	0.1	182	27.4	27.4	7.9	7.9	17.2	17.2	67.2	67.2	4.8	4.8	8.6	8.4	9	6	92	88	821479	814179	<0.2	<0.2	1.9	2.1							
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	88	821479	814179	<0.2	<0.2	-	-			
SR3	Sunny	Moderate	09:22	9.1	Surface	1.0	0.3	345	28.6	28.6	7.7	7.7	10.5	10.5	64.1	64.1	4.7	4.6	7.9	9.8	6	8	-	-	822127	807578	-	-	-	-						
						1.0	0.3	317	28.6	28.6	7.7	7.7	10.5	10.5	64.0	64.1	4.7	4.6	8.0	9.8	5	8	-	8	-	-	822127	807578	-	-	-	-				
						4.6	0.5	338	28.1	28.1	7.8	7.8	13.9	13.9	62.5	62.5	4.5	4.5	11.2	9.8	6	8	-	8	-	-	822127	807578	-	-	-	-				
					4.6	0.5	357	28.1	28.1	7.8	7.8	13.9	13.9	62.5	62.5	4.5	4.5	11.2	9.8	6	8	-	8	-	-	822127	807578	-	-	-	-					
					8.1	0.7	10	27.8	27.8	7.8	7.8	16.4	16.4	58.4	58.4	4.2	4.2	10.1	9.8	11	8	-	8	-	-	822127	807578	-	-	-	-					
					8.1	0.8	10	27.8	27.8	7.8	7.8	16.4	16.4	58.4	58.4	4.2	4.2	10.1	9.8	11	8	-	8	-	-	822127	807578	-	-	-	-					
SR4A	Sunny	Moderate	07:56	9.9	Surface	1.0	0.2	211	27.7	27.7	8.2	8.2	17.7	17.7	103.5	103.5	7.4	7.0	6.9	9.2	17	18	-	-	817184	807794	-	-	-	-						
						1.0	0.2	225	27.7	27.7	8.2	8.2	17.7	17.7	103.5	103.5	7.4	7.0	6.9	9.2	16	18	-	18	-	-	817184	807794	-	-	-	-				
						5.0	0.1	239	27.5	27.5	8.1	8.1	18.0	18.0	92.8	92.7	6.6	6.6	7.9	9.2	18	18	-	18	-	-	817184	807794	-	-	-	-				
					5.0	0.1	245	27.5	27.5	8.1	8.1	18.0	18.0	92.6	92.7	6.6	6.6	8.1	9.2	17	18	-	18	-	-	817184	807794	-	-	-	-					
					8.9	0.2	232	26.5	26.5	7.8	7.8	21.4	21.4	67.9	68.1	4.8	4.9	12.5	9.2	20	18	-	18	-	-	817184	807794	-	-	-	-					
					8.9	0.2	249	26.5	26.5	7.8	7.8	21.4	21.4	68.2	68.1	4.9	4.9	12.6	9.2	20	18	-	18	-	-	817184	807794	-	-	-	-					
SR5A	Sunny	Moderate	07:39	5.6	Surface	1.0	0.2	314	27.6	27.6	8.1	8.1	18.0	18.0	103.2	103.2	7.4	7.4	7.6	9.6	19	19	-	-	816591	810700	-	-	-	-						
						1.0	0.2	337	27.6	27.6	8.1	8.1	18.0	18.0	103.1	103.1	7.4	7.4	7.6	9.6	19	19	-	19	-	-	816591	810700	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	19	-	-	816591	810700	-	-	-	-			
					4.6	0.2	338	27.0	27.0	7.9	7.9	19.7	19.7	77.4	77.5	5.5	5.5	11.5	9.6	18	19	-	19	-	-	816591	810700	-	-	-	-					

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 July 17 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
C1	Sunny	Moderate	16:26	8.5	Surface	1.0	0.4	243	27.7	8.3	8.3	16.6	16.6	108.5	108.3	7.8	6.7	3.5	4.4	5	5	91	94	815610	804264	<0.2	<0.2	1.5	1.6							
						1.0	0.5	246	27.7	8.3	8.3	16.6	16.6	108.1	108.3	7.8	6.7	3.6	4.4	5	5	91	94	815610	804264	<0.2	<0.2	1.6	1.6							
						4.3	0.5	214	27.5	8.1	8.1	16.9	16.9	79.5	78.2	5.7	5.5	4.5	4.4	6	5	93	94	815610	804264	<0.2	<0.2	1.8	1.7							
					Middle	4.3	0.5	216	27.5	8.1	8.1	16.9	16.9	76.8	78.2	5.5	5.5	4.5	4.4	5	5	93	94	815610	804264	<0.2	<0.2	1.7	1.6							
						7.5	0.4	240	26.3	8.0	8.0	24.4	24.3	80.6	82.3	5.7	5.8	5.0	4.4	6	5	96	94	815610	804264	<0.2	<0.2	1.6	1.6							
						7.5	0.5	263	26.5	8.0	8.0	24.1	24.3	84.0	82.3	5.9	5.8	5.0	4.4	5	5	97	94	815610	804264	<0.2	<0.2	1.6	1.6							
C2	Sunny	Moderate	15:15	11.8	Surface	1.0	0.1	162	28.8	8.1	8.1	12.3	12.3	89.3	89.3	6.4	6.0	6.3	11.2	4	5	87	90	825665	806927	<0.2	<0.2	2.6	2.4							
						1.0	0.1	162	28.8	8.1	8.1	12.3	12.3	89.3	89.3	6.4	6.0	6.3	11.2	5	5	86	90	825665	806927	<0.2	<0.2	2.6	2.4							
						5.9	0.4	152	28.4	8.0	8.0	13.2	13.2	75.4	75.4	5.5	5.5	8.2	11.2	5	5	87	90	825665	806927	<0.2	<0.2	2.4	2.4							
					Middle	5.9	0.4	163	28.4	8.0	8.0	13.2	13.2	75.4	75.4	5.5	5.5	8.2	11.2	4	5	88	90	825665	806927	<0.2	<0.2	2.4	2.4							
						10.8	0.4	169	27.4	8.0	8.0	18.1	18.1	67.1	67.1	4.8	4.8	19.0	11.2	5	5	94	90	825665	806927	<0.2	<0.2	2.2	2.2							
						10.8	0.4	180	27.4	8.0	8.0	18.1	18.1	67.1	67.1	4.8	4.8	19.0	11.2	6	5	95	90	825665	806927	<0.2	<0.2	2.3	2.3							
C3	Sunny	Moderate	17:32	13.2	Surface	1.0	0.3	54	28.4	8.3	8.3	17.9	17.9	98.7	98.7	6.9	6.1	5.3	6.4	6	6	93	96	822099	817816	<0.2	<0.2	1.7	1.6							
						1.0	0.3	57	28.4	8.3	8.3	17.9	17.9	98.7	98.7	6.9	6.1	5.3	6.4	6	6	94	96	822099	817816	<0.2	<0.2	1.6	1.6							
						6.6	0.1	334	27.3	8.2	8.2	21.9	21.9	74.8	74.8	5.2	5.2	6.3	6.4	6	6	96	96	822099	817816	<0.2	<0.2	1.4	1.6							
					Middle	6.6	0.1	307	27.3	8.2	8.2	21.9	21.9	74.8	74.8	5.2	5.2	6.3	6.4	6	6	95	96	822099	817816	<0.2	<0.2	1.6	1.6							
						12.2	0.3	136	26.8	8.1	8.1	25.3	25.3	83.8	83.8	5.8	5.8	7.5	6.4	6	6	98	96	822099	817816	<0.2	<0.2	1.6	1.6							
						12.2	0.3	141	26.8	8.1	8.1	25.3	25.3	83.8	83.8	5.8	5.8	7.5	6.4	6	6	99	96	822099	817816	<0.2	<0.2	1.7	1.7							
IM1	Sunny	Moderate	16:11	7.7	Surface	1.0	0.7	226	27.9	8.2	8.2	15.6	15.6	96.2	96.0	6.9	5.8	4.8	9.3	6	6	90	93	818351	806448	<0.2	<0.2	1.6	1.8							
						1.0	0.7	229	27.9	8.2	8.2	15.6	15.6	95.8	96.0	6.9	5.8	4.9	9.3	7	6	89	93	818351	806448	<0.2	<0.2	1.7	1.8							
						3.9	0.5	211	26.7	8.0	8.0	21.1	21.1	64.2	64.1	4.6	4.6	7.9	9.3	6	6	93	93	818351	806448	<0.2	<0.2	1.9	1.8							
					Middle	3.9	0.5	231	26.7	8.0	8.0	21.1	21.1	64.0	64.1	4.6	4.6	8.1	9.3	7	6	93	93	818351	806448	<0.2	<0.2	1.8	1.8							
						6.7	0.1	202	25.9	7.9	7.9	25.3	25.3	59.6	59.8	4.2	4.2	15.1	9.3	6	6	96	93	818351	806448	<0.2	<0.2	2.0	2.0							
						6.7	0.1	214	25.9	7.9	7.9	25.3	25.3	59.9	59.8	4.2	4.2	15.1	9.3	6	6	97	93	818351	806448	<0.2	<0.2	1.8	1.8							
IM2	Sunny	Moderate	16:05	8.8	Surface	1.0	0.7	244	28.0	8.2	8.2	15.2	15.2	98.0	97.6	7.1	5.9	4.4	8.2	6	6	92	94	818841	806175	<0.2	<0.2	1.8	1.8							
						1.0	0.7	260	28.0	8.2	8.2	15.2	15.2	97.2	97.6	7.0	5.9	4.5	8.2	4	6	91	94	818841	806175	<0.2	<0.2	2.0	2.0							
						4.4	0.4	238	26.6	8.0	8.0	21.9	22.0	65.9	65.7	4.7	4.7	7.3	8.2	6	6	95	94	818841	806175	<0.2	<0.2	2.2	1.9							
					Middle	4.4	0.4	250	26.6	8.0	8.0	22.0	22.0	65.5	65.7	4.7	4.7	7.5	8.2	5	6	94	94	818841	806175	<0.2	<0.2	1.9	1.9							
						7.8	0.1	189	26.0	7.9	7.9	24.0	24.2	63.0	64.2	4.5	4.6	12.8	8.2	6	6	97	94	818841	806175	<0.2	<0.2	1.3	1.3							
						7.8	0.1	195	26.0	7.9	7.9	24.3	24.2	65.4	64.2	4.6	4.6	12.8	8.2	6	6	96	94	818841	806175	<0.2	<0.2	1.3	1.3							
IM3	Sunny	Moderate	15:57	8.9	Surface	1.0	0.6	239	28.0	8.2	8.2	15.2	15.2	99.4	99.1	7.2	5.8	4.3	9.2	5	7	91	94	819400	806017	<0.2	<0.2	1.8	1.7							
						1.0	0.7	258	28.0	8.2	8.2	15.2	15.2	98.7	99.1	7.1	5.8	4.5	9.2	5	7	92	94	819400	806017	<0.2	<0.2	1.8	1.7							
						4.5	0.5	246	26.6	8.0	8.0	21.8	21.8	62.8	62.9	4.5	4.5	9.9	9.2	5	7	94	94	819400	806017	<0.2	<0.2	1.7	1.7							
					Middle	4.5	0.5	253	26.6	8.0	8.0	21.8	21.8	63.0	62.9	4.5	4.5	10.0	9.2	5	7	95	94	819400	806017	<0.2	<0.2	1.7	1.7							
						7.9	0.3	244	26.2	7.9	7.9	23.4	23.6	65.8	66.9	4.7	4.8	12.9	9.2	11	7	96	94	819400	806017	<0.2	<0.2	1.5	1.5							
						7.9	0.3	254	26.2	7.9	7.9	23.7	23.6	67.9	66.9	4.8	4.8	13.3	9.2	10	7	95	94	819400	806017	<0.2	<0.2	1.4	1.4							
IM4	Sunny	Moderate	15:47	8.4	Surface	1.0	0.3	237	28.0	8.2	8.2	15.3	15.3	102.2	102.1	7.4	6.7	4.6	6.5	5	5	91	93	819568	805022	<0.2	<0.2	1.6	1.8							
						1.0	0.3	248	28.0	8.2	8.2	15.3	15.3	102.0	102.1	7.3	6.7	4.6	6.5	5	5	91	93	819568	805022	<0.2	<0.2	2.0	2.0							
						4.2	0.5	215	27.5	8.1	8.1	17.6	17.6	84.6	84.5	6.1	6.1	6.0	6.5	4	5	94	93	819568	805022	<0.2	<0.2	2.0	2.0							
					Middle	4.2	0.5	226	27.4	8.1	8.1	17.6	17.6	84.4	84.5	6.1	6.1	6.0	6.5	6	5	93	93	819568	805022	<0.2	<0.2	2.0	2.0							
						7.4	0.3	221	27.0	8.0	8.0	19.6	19.6	74.7	74.5	5.3	5.3	8.8	6.5	6	5	94	93	819568	805022	<0.2	<0.2	1.6	1.6							
						7.4	0.3	227	26.9	8.0	8.0	19.6	19.6	74.2	74.5	5.3	5.3	8.9	6.5	6	5	95	93	819568	805022	<0.2	<0.2	1.8	1.8							
IM5	Sunny	Moderate	15:35	7.1	Surface	1.0	0.4	232	28.2	8.1	8.1	14.3	14.4	100.2	99.9	7.2	6.6	3.8	7.8	5	5	88	93	820571	804915	<0.2	<0.2	1.8	2.0							
						1.0	0.5	241	28.1	8.1	8.1	14.4	14.4	99.5	99.9	7.2	6.6	3.7	7.8	4	5	89	93	820571	804915	<0.2	<0.2	1.9	2.0							
						3.6	0.4	208	27.4	8.0	8.0	17.9	18.0	84.4	84.5	6.0	6.1	6.0	7.8	5	5	95	93	820571	804915	<0.2	<0.2	1.9	1.9							
					Middle	3.6	0.4	213	27.4	8.0	8.0	18.0	18.0	84.5	84.5	6.1	6.1	6.2	7.8	4	5	94	93	820571	804915	<0.2	<0.2	1.9	1.9							
						6.1	0.2	213	26.6	8.0	8.0	21.8	21.9	72.2	72.9	5.1	5.2	13.3	7.8	5	5	96	93	820571	804915	<0.2	<0.2									

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 July 17 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	Sunny	Moderate	16:05	7.8	Surface	1.0	0.4	149	28.2	28.2	8.1	8.1	14.5	14.5	77.9	77.9	5.6	5.6	6.7	6.7	5	5	89	92	822086	808826	<0.2	<0.2	2.1	2.1					
						1.0	0.4	162	28.2	8.1	8.1	14.5	14.5	77.9	77.9	5.6	5.6	6.7	6.7	3	3	88	88	<0.2	<0.2	2.1	2.1								
					Middle	3.9	0.5	154	27.6	27.6	8.1	8.1	16.8	16.8	68.6	68.6	4.9	4.9	9.7	9.7	4	4	92	92	<0.2	<0.2	2.1	2.1							
						3.9	0.5	157	27.6	27.6	8.1	8.1	16.8	16.8	68.6	68.6	4.9	4.9	9.7	9.7	5	5	91	91	<0.2	<0.2	2.1	2.1							
					Bottom	6.8	0.2	116	27.4	27.4	8.0	8.0	18.4	18.4	65.1	65.1	4.7	4.7	20.8	20.8	6	6	95	95	<0.2	<0.2	1.9	1.9							
						6.8	0.2	117	27.4	27.4	8.0	8.0	18.4	18.4	65.1	65.1	4.7	4.7	20.8	20.8	5	5	94	94	<0.2	<0.2	2.2	2.2							
IM10	Sunny	Moderate	16:18	8.8	Surface	1.0	0.5	123	28.6	28.6	8.1	8.1	13.9	13.9	81.6	81.6	5.9	5.9	5.6	5.6	3	3	86	90	822225	809835	<0.2	<0.2	2.1	2.3					
						1.0	0.5	127	28.6	28.6	8.1	8.1	13.9	13.9	81.6	81.6	5.9	5.9	5.6	5.6	4	4	86	86	<0.2	<0.2	2.1	2.3							
					Middle	4.4	0.4	120	28.0	28.0	8.0	8.0	16.4	16.4	71.5	71.5	5.1	5.1	7.1	7.1	5	5	91	91	<0.2	<0.2	2.3	2.3							
						4.4	0.4	122	28.0	28.0	8.0	8.0	16.4	16.4	71.5	71.5	5.1	5.1	7.1	7.1	5	5	91	91	<0.2	<0.2	2.1	2.1							
					Bottom	7.8	0.3	114	27.7	27.7	8.0	8.0	18.4	18.4	60.7	60.7	4.3	4.3	15.8	15.8	5	5	94	94	<0.2	<0.2	2.3	2.3							
						7.8	0.3	119	27.7	27.7	8.0	8.0	18.4	18.4	60.7	60.7	4.3	4.3	15.8	15.8	5	5	94	94	<0.2	<0.2	2.5	2.5							
IM11	Sunny	Moderate	16:32	8.6	Surface	1.0	0.4	99	28.6	28.6	8.3	8.3	14.2	14.2	93.7	93.7	6.7	6.7	6.5	6.5	4	4	89	91	821506	810551	<0.2	<0.2	2.2	2.3					
						1.0	0.4	102	28.6	28.6	8.3	8.3	14.2	14.2	93.7	93.7	6.7	6.7	6.5	6.5	5	5	88	88	<0.2	<0.2	2.4	2.4							
					Middle	4.3	0.4	97	27.9	27.9	8.1	8.1	15.8	15.8	73.8	73.8	5.3	5.3	9.4	9.4	5	5	91	91	<0.2	<0.2	2.2	2.2							
						4.3	0.4	103	27.9	27.9	8.1	8.1	15.8	15.8	73.8	73.8	5.3	5.3	9.4	9.4	5	5	91	91	<0.2	<0.2	2.2	2.2							
					Bottom	7.6	0.3	98	27.7	27.7	8.1	8.1	17.2	17.2	73.1	73.1	5.2	5.2	13.4	13.4	4	4	94	94	<0.2	<0.2	2.3	2.3							
						7.6	0.3	104	27.7	27.7	8.1	8.1	17.2	17.2	73.1	73.1	5.2	5.2	13.4	13.4	5	5	94	94	<0.2	<0.2	2.2	2.2							
IM12	Sunny	Moderate	16:41	9.4	Surface	1.0	0.4	89	29.1	29.1	8.3	8.3	13.2	13.2	99.5	99.5	7.1	7.1	6.9	6.9	3	3	87	90	821149	811523	<0.2	<0.2	2.3	2.2					
						1.0	0.4	91	29.1	29.1	8.3	8.3	13.2	13.2	99.5	99.5	7.1	7.1	6.9	6.9	4	4	87	87	<0.2	<0.2	2.3	2.3							
					Middle	4.7	0.5	87	28.2	28.2	8.1	8.1	15.6	15.6	75.1	75.1	5.4	5.4	11.3	11.3	4	4	88	88	<0.2	<0.2	2.1	2.1							
						4.7	0.5	93	28.2	28.2	8.1	8.1	15.6	15.6	75.1	75.1	5.4	5.4	11.3	11.3	4	4	89	89	<0.2	<0.2	2.0	2.0							
					Bottom	8.4	0.2	100	27.8	27.8	8.0	8.0	17.8	17.8	62.7	62.7	4.5	4.5	20.6	20.6	5	5	93	93	<0.2	<0.2	2.1	2.1							
						8.4	0.2	105	27.8	27.8	8.0	8.0	17.8	17.8	62.7	62.7	4.5	4.5	20.6	20.6	4	4	93	93	<0.2	<0.2	2.2	2.2							
SR2	Sunny	Moderate	17:07	4.9	Surface	1.0	0.7	68	28.8	28.8	8.2	8.2	13.9	13.9	97.9	97.9	7.0	7.0	6.3	6.3	5	5	86	91	821477	814181	<0.2	<0.2	2.3	2.4					
						1.0	0.7	72	28.8	28.8	8.2	8.2	13.9	13.9	97.8	97.8	7.0	7.0	6.1	6.1	4	4	88	88	<0.2	<0.2	2.4	2.4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.9	0.4	62	27.9	27.9	8.1	8.1	17.3	17.3	74.6	74.6	5.3	5.3	8.7	8.7	4	4	94	94	<0.2	<0.2	2.0	2.0							
						3.9	0.4	63	27.9	27.9	8.1	8.1	17.3	17.3	74.6	74.6	5.3	5.3	8.8	8.8	4	4	94	94	<0.2	<0.2	2.3	2.3							
SR3	Sunny	Moderate	15:45	9.5	Surface	1.0	0.1	181	28.8	28.8	8.1	8.1	12.3	12.3	89.9	89.9	6.5	6.5	6.7	6.7	4	4	-	-	822161	807567	-	-	-	-					
						1.0	0.1	184	28.8	28.8	8.1	8.1	12.3	12.3	89.9	89.9	6.5	6.5	6.7	6.7	4	4	-	-	-	-	-	-	-	-					
					Middle	4.8	0.4	150	28.2	28.2	8.0	8.0	14.5	14.5	72.5	72.5	5.2	5.2	9.1	9.1	4	4	-	-	-	-	-	-	-	-	-	-			
						4.8	0.4	153	28.2	28.2	8.0	8.0	14.5	14.5	72.5	72.5	5.2	5.2	9.1	9.1	4	4	-	-	-	-	-	-	-	-	-				
					Bottom	8.5	0.3	175	27.6	27.6	8.0	8.0	19.0	19.0	79.2	79.2	5.6	5.6	21.8	21.8	3	3	-	-	-	-	-	-	-	-	-	-			
						8.5	0.3	178	27.6	27.6	8.0	8.0	19.0	19.0	79.2	79.2	5.6	5.6	21.8	21.8	4	4	-	-	-	-	-	-	-	-	-				
SR4A	Sunny	Moderate	16:49	7.7	Surface	1.0	0.1	318	27.8	27.8	8.2	8.2	17.4	17.4	98.3	98.3	7.0	7.0	6.7	6.7	5	5	-	-	817188	807798	-	-	-	-					
						1.0	0.1	333	27.8	27.8	8.2	8.2	17.4	17.4	98.2	98.2	7.0	7.0	6.7	6.7	6	6	-	-	-	-	-	-	-	-					
					Middle	3.9	0.2	71	26.4	26.4	7.9	7.9	23.3	23.3	62.1	62.2	4.4	4.4	14.3	14.3	6	6	-	-	-	-	-	-	-	-					
						3.9	0.2	76	26.4	26.4	7.9	7.9	23.3	23.3	62.2	62.2	4.4	4.4	14.0	14.0	5	5	-	-	-	-	-	-	-	-					
					Bottom	6.7	0.1	74	26.0	26.0	7.9	7.9	25.1	25.1	61.8	61.9	4.4	4.4	21.3	21.3	6	6	-	-	-	-	-	-	-	-					
						6.7	0.1	77	26.0	26.0	7.9	7.9	25.1	25.1	62.0	62.0	4.4	4.4	21.2	21.2	4	4	-	-	-	-	-	-	-	-					
SR5A	Sunny	Moderate	17:10	5.4	Surface	1.0	0.1	316	28.5	28.5	8.4	8.4	17.1	17.1	126.4	126.3	8.9	8.9	7.8	7.8	7	7	-	-	816603	810706	-	-	-	-					
						1.0	0.1	345	28.5	28.5	8.4	8.4	17.1	17.1	126.1	126.1	8.9	8.9	7.8	7.8	6	6	-	-	-	-	-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.4	0.1	204	27.3	27.3	8.0	8.0	19.6	19.6	80.7	80.9	5.7	5.7	21.4	21.4	6	6	-	-	-	-	-	-	-	-					
						4.4	0.1	219	27.3	27.3	8.0	8.0	19.6	19.6	81.0	80.9	5.8	5.8	21.3	21.3	7	7	-	-	-	-	-	-	-						
SR6	Sunny	Moderate	17:33	5.2	Surface	1.0	0.1	23	28.8	28.8	8.5	8.5	16.8	16.8	143.8	143.8	10.1	10.1	5.3	5.3	5	5	-	-	817889	814661	-	-	-	-					
						1.0	0.1	23	28.7	28.7	8.5	8.5	16.8	16.8	143.8	143.8	10.1	10.1	5.4	5.4	6	6	-	-	-	-	-	-							
					Middle	-	-	-	-																										





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

Water Quality Monitoring

Water Quality Monitoring Results on 18 July 17 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	07:46	7.7	Surface	1.0	0.9	185	27.3	7.8	7.8	9.5	9.5	79.0	79.0	6.0	5.5	5.7	5.5	6.4	16	63	70	815620	804227	<0.2	2.0	2.1		
						1.0	0.9	198	27.3	7.8	7.8	9.5	9.5	79.0	79.0	5.9	5.5	5.7	5.5	6.4	14	63	70	815620	804227	<0.2	2.3			
					Middle	3.9	0.6	205	27.3	27.3	7.9	7.9	10.3	10.3	73.3	73.3	5.5	5.1	5.7	5.1	6.4	14	70	70	815620	804227	<0.2		2.2	
						3.9	0.6	224	27.3	27.3	7.9	7.9	10.3	10.3	73.2	73.3	5.5	5.1	5.7	5.1	6.4	15	70	70	815620	804227	<0.2		2.2	
					Bottom	6.7	0.5	242	26.9	26.9	7.9	7.9	17.1	17.1	61.4	61.4	4.5	4.5	4.5	4.5	4.5	8.6	16	78	78	815620	804227		<0.2	2.0
						6.7	0.5	256	26.9	26.9	7.9	7.9	17.1	17.1	61.4	61.4	4.5	4.5	4.5	4.5	4.5	8.6	16	78	78	815620	804227		<0.2	1.9
C2	Rainy	Moderate	09:56	11.1	Surface	1.0	1.0	166	28.0	28.0	7.8	7.8	4.8	4.8	66.1	66.1	5.0	13.3	4.5	15	75	83	825678	806947	<0.2	2.6	2.6			
						1.0	1.1	166	28.0	28.0	7.8	7.8	4.8	4.8	66.1	66.1	5.0	13.3	4.5	15	74	75	83	825678	806947	<0.2		2.8		
					Middle	5.6	0.5	167	27.6	27.6	7.7	7.7	13.9	13.9	53.1	53.1	3.9	15.2	3.8	15.2	15	84	83	825678	806947	<0.2		2.6		
						5.6	0.5	181	27.6	27.6	7.7	7.7	13.9	13.9	53.1	53.1	3.9	15.2	3.8	15.2	15	83	83	825678	806947	<0.2		2.4		
					Bottom	10.1	0.2	28	27.4	27.4	7.7	7.7	16.8	16.8	53.3	53.3	3.8	17.4	3.8	17.4	16	89	90	825678	806947	<0.2		2.5		
						10.1	0.2	29	27.4	27.4	7.7	7.7	16.8	16.8	53.3	53.3	3.8	17.4	3.8	17.4	15	90	90	825678	806947	<0.2		2.8		
C3	Rainy	Moderate	07:27	11.8	Surface	1.0	0.3	257	27.3	27.3	8.0	8.0	14.7	14.7	75.4	75.4	5.5	4.1	5.3	8	85	91	822093	817813	<0.2	2.0	2.3			
						1.0	0.3	270	27.3	27.3	8.0	8.0	14.7	14.7	75.4	75.4	5.5	4.1	5.3	10	86	91	822093	817813	<0.2	2.2				
					Middle	5.9	0.1	335	27.2	27.2	8.0	8.0	18.7	18.7	69.6	69.6	5.0	4.4	5.0	4.4	12	92	92	822093	817813	<0.2		2.5		
						5.9	0.1	308	27.2	27.2	8.0	8.0	18.7	18.7	69.6	69.6	5.0	4.4	5.0	4.4	12	93	92	822093	817813	<0.2		2.3		
					Bottom	10.8	0.1	47	27.0	27.0	8.0	8.0	20.6	20.6	70.7	70.7	5.0	4.8	5.0	4.8	12	96	96	822093	817813	<0.2		2.4		
						10.8	0.1	47	27.0	27.0	8.0	8.0	20.6	20.6	70.7	70.7	5.0	4.8	5.0	4.8	13	96	96	822093	817813	<0.2		2.1		
IM1	Cloudy	Moderate	08:18	6.9	Surface	1.0	0.6	216	27.1	27.1	7.9	7.9	13.1	13.1	67.1	67.1	5.0	9.5	4.6	22	69	76	818366	806473	<0.2	2.0	2.0			
						1.0	0.6	226	27.1	27.1	7.9	7.9	13.1	13.1	67.1	67.1	5.0	9.5	4.6	22	69	76	818366	806473	<0.2	2.2				
					Middle	3.5	0.3	232	26.9	26.9	7.9	7.9	17.3	17.3	56.4	56.4	4.1	12.2	3.6	11.7	22	77	76	818366	806473	<0.2		2.0		
						3.5	0.3	254	26.9	26.9	7.9	7.9	17.3	17.3	56.4	56.4	4.1	12.2	3.6	11.7	22	76	76	818366	806473	<0.2		2.0		
					Bottom	5.9	0.0	296	26.6	26.6	7.9	7.9	20.4	20.4	49.8	49.9	3.6	11.7	3.6	11.7	24	81	81	818366	806473	<0.2		2.0		
						5.9	0.0	302	26.6	26.6	7.9	7.9	20.4	20.4	49.9	49.9	3.6	11.7	3.6	11.7	24	81	81	818366	806473	<0.2		1.8		
IM2	Cloudy	Moderate	08:29	7.9	Surface	1.0	1.1	199	27.3	27.3	7.8	7.8	8.3	8.3	72.2	72.2	5.5	8.0	5.2	9	69	76	818846	806191	<0.2	2.1	2.0			
						1.0	1.1	218	27.3	27.3	7.8	7.8	8.3	8.3	72.1	72.2	5.5	8.0	5.2	10	69	76	818846	806191	<0.2	1.9				
					Middle	4.0	0.7	199	27.2	27.2	7.8	7.8	12.5	12.6	64.7	64.7	4.8	13.1	4.8	13.1	16	77	77	818846	806191	<0.2		2.2		
						4.0	0.7	205	27.2	27.2	7.8	7.8	12.6	12.6	64.6	64.7	4.8	13.1	4.8	13.1	15	77	77	818846	806191	<0.2		2.0		
					Bottom	6.9	0.1	255	26.6	26.6	7.9	7.9	20.1	20.1	50.0	50.0	3.6	15.7	3.6	15.7	16	81	81	818846	806191	<0.2		2.0		
						6.9	0.2	276	26.6	26.6	7.9	7.9	20.1	20.1	50.0	50.0	3.6	15.7	3.6	15.7	18	81	81	818846	806191	<0.2		2.0		
IM3	Cloudy	Moderate	08:40	8.0	Surface	1.0	0.7	235	27.3	27.3	7.8	7.8	10.0	10.0	68.2	68.2	5.1	9.0	5.0	14	77	81	819417	806012	<0.2	2.1	2.3			
						1.0	0.7	256	27.3	27.3	7.8	7.8	10.0	10.0	68.1	68.2	5.1	9.0	5.0	15	77	81	819417	806012	<0.2	2.1				
					Middle	4.0	0.6	229	27.3	27.3	7.8	7.8	11.8	11.8	65.6	65.6	4.9	12.3	4.9	12.3	16	80	81	819417	806012	<0.2		2.0		
						4.0	0.6	239	27.3	27.3	7.8	7.8	11.8	11.8	65.6	65.6	4.9	12.3	4.9	12.3	17	81	81	819417	806012	<0.2		2.3		
					Bottom	7.0	0.5	217	27.2	27.2	7.8	7.8	14.8	14.8	59.5	59.5	4.4	18.4	4.4	18.4	20	84	84	819417	806012	<0.2		2.5		
						7.0	0.5	235	27.2	27.2	7.8	7.8	14.8	14.8	59.5	59.5	4.4	18.4	4.4	18.4	18	84	84	819417	806012	<0.2		2.6		
IM4	Cloudy	Moderate	08:50	7.3	Surface	1.0	0.1	9	27.3	27.3	7.9	7.9	11.0	11.0	68.8	68.8	5.1	9.9	5.1	12	75	80	819551	805051	<0.2	2.5	2.3			
						1.0	0.1	9	27.3	27.3	7.9	7.9	11.0	11.0	68.8	68.8	5.1	9.9	5.1	14	75	80	819551	805051	<0.2	2.3				
					Middle	3.7	0.0	98	27.3	27.3	7.9	7.9	11.4	11.4	66.9	66.9	5.0	10.7	5.0	10.7	12	81	81	819551	805051	<0.2		2.4		
						3.7	0.0	103	27.3	27.3	7.9	7.9	11.4	11.4	66.8	66.9	5.0	10.7	5.0	10.7	13	81	81	819551	805051	<0.2		2.5		
					Bottom	6.3	0.1	169	27.2	27.2	7.9	7.9	12.6	12.6	64.8	64.8	4.8	14.4	4.8	14.4	26	84	84	819551	805051	<0.2		2.1		
						6.3	0.1	176	27.2	27.2	7.9	7.9	12.6	12.6	64.8	64.8	4.8	14.4	4.8	14.4	27	83	83	819551	805051	<0.2		2.0		
IM5	Cloudy	Moderate	08:57	6.8	Surface	1.0	0.6	231	27.5	27.5	7.7	7.7	7.5	7.5	68.8	68.8	5.2	10.4	5.2	13	72	78	820544	804937	<0.2	2.5	2.3			
						1.0	0.6	251	27.5	27.5	7.7	7.7	7.5	7.5	68.8	68.8	5.2	10.4	5.2	13	71	82	78	820544	804937	<0.2		2.4		
					Middle	3.4	0.5	246	27.4	27.4	7.7	7.7	8.7	8.7	68.6	68.6	5.2	9.0	5.2	9.3	13	81	81	820544	804937	<0.2		2.2		
						3.4	0.5	254	27.4	27.4	7.7	7.7	8.7	8.7	68.5	68.6	5.2	9.3	5.2	9.3	13	81	81	820544	804937	<0.2		1.9		
					Bottom	5.8	0.5	249	27.3	27.3	7.8	7.8	13.3	13.3	62.1	62.1	4.6	14.5	4.6	14.5	16	82	82	820544	804937	<0.2		2.2		
						5.8	0.5	259	27.3	27.3	7.8	7.8	13.3	13.3	62.1	62.1	4.6	14.5	4.6	14.5	17	82	82	820544	804937	<0.2		2.1		
IM6	Cloudy	Moderate	09:09	6.4	Surface	1.0	0.6	234	27.4	27.4	7.7	7.7	11.7	12.0	62.5	62.5	4.6	10.0	4.6	12	77	81	821066	805837	<0.2	2.3	2.3			
						1.0	0.7	235	27.4	27.4	7.7	7.7	12.2	12.0	62.4	62.5	4.6	10.1	4.6	10	78	81	821066	805837	<0.2	2.0				
					Middle	3.2	0.6	240	27.3	27.3	7.8	7.8	13.8	13.8	61.5															



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

Water Quality Monitoring

Water Quality Monitoring Results on 18 July 17 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	Cloudy	Moderate	13:53	7.9	Surface	1.0	0.3	104	27.4	7.8	7.8	10.1	10.1	70.9	70.9	5.3	6.3	10	68	11	11	75	815629	804261	<0.2	2.5	2.5									
						1.0	0.3	106	27.4	7.8	7.8	10.1	10.1	70.9	70.9	5.3	6.3	10	69	11	69	75	815629	804261	<0.2	2.5										
						4.0	0.3	110	27.4	7.8	7.9	10.3	10.3	69.5	69.2	5.2	6.9	11	74	11	74	75	815629	804261	<0.2	2.7										
					4.0	0.3	114	27.4	7.9	7.9	10.3	10.3	68.8	69.2	5.1	7.5	11	75	11	75	75	815629	804261	<0.2	2.4											
					6.9	0.4	64	27.0	7.9	7.9	15.6	15.6	60.7	60.7	4.4	24.1	10	83	11	83	75	815629	804261	<0.2	2.4											
					6.9	0.4	70	27.0	7.9	7.9	15.6	15.6	60.7	60.7	4.4	24.0	11	82	11	82	75	815629	804261	<0.2	2.7											
C2	Cloudy	Moderate	12:51	11.4	Surface	1.0	0.8	165	27.9	7.7	7.7	3.7	3.7	67.9	67.9	5.2	14.8	15	79	16	16	85	825700	806945	<0.2	1.6	1.7									
						1.0	0.8	180	27.9	7.7	7.7	3.6	3.7	67.9	67.9	5.2	14.8	14	79	16	79	85	825700	806945	<0.2	1.8										
						5.7	0.3	173	27.6	7.8	7.8	13.4	13.4	52.1	52.1	3.8	15.5	16	84	16	84	85	825700	806945	<0.2	1.7										
					5.7	0.3	185	27.6	7.8	7.8	13.4	13.4	52.1	52.1	3.8	15.5	16	83	16	83	85	825700	806945	<0.2	1.8											
					10.4	0.2	351	27.3	7.7	7.7	17.1	17.1	54.8	54.8	3.9	16.6	16	92	16	92	85	825700	806945	<0.2	1.7											
					10.4	0.2	323	27.3	7.7	7.7	17.1	17.1	54.8	54.8	3.9	16.6	16	91	16	91	85	825700	806945	<0.2	1.6											
C3	Rainy	Moderate	14:53	12.1	Surface	1.0	0.1	251	27.6	8.1	8.1	12.8	12.8	70.8	70.8	5.2	3.9	8	84	8	8	91	822112	817818	<0.2	2.3	2.3									
						1.0	0.2	262	27.6	8.1	8.1	12.8	12.8	70.8	70.8	5.2	3.9	8	85	8	85	91	822112	817818	<0.2	2.2										
						6.1	0.4	243	27.0	8.1	8.1	20.5	20.5	60.5	60.5	4.3	4.4	9	94	8	94	91	822112	817818	<0.2	2.2										
					6.1	0.4	250	27.0	8.1	8.1	20.5	20.5	60.5	60.5	4.3	4.4	8	93	8	93	91	822112	817818	<0.2	2.4											
					11.1	0.3	283	26.4	8.0	8.0	24.4	24.4	59.8	59.8	4.2	5.8	8	96	8	96	91	822112	817818	<0.2	2.4											
					11.1	0.4	301	26.4	8.0	8.0	24.4	24.4	59.8	59.8	4.2	5.8	9	96	8	96	91	822112	817818	<0.2	2.4											
IM1	Cloudy	Moderate	13:35	7.3	Surface	1.0	0.4	351	27.3	7.9	7.9	12.9	12.9	71.6	71.6	5.3	5.4	10	72	10	10	78	818336	806440	<0.2	2.3	2.1									
						1.0	0.4	323	27.3	7.9	7.9	12.9	12.9	71.6	71.6	5.3	5.4	10	72	10	72	78	818336	806440	<0.2	2.2										
						3.7	0.4	347	27.1	7.9	7.9	14.5	14.5	68.5	68.5	5.0	6.2	11	80	13	80	78	818336	806440	<0.2	2.3										
					3.7	0.5	319	27.1	7.9	7.9	14.5	14.5	68.5	68.5	5.0	6.2	12	79	13	79	78	818336	806440	<0.2	2.3											
					6.3	0.3	348	27.0	7.9	7.9	16.6	16.6	58.1	58.1	4.2	9.0	19	82	13	82	78	818336	806440	<0.2	1.9											
					6.3	0.3	350	27.0	7.9	7.9	16.6	16.6	58.0	58.1	4.2	9.1	18	82	13	82	78	818336	806440	<0.2	2.0											
IM2	Cloudy	Moderate	13:28	8.1	Surface	1.0	0.4	255	27.4	7.8	7.8	9.7	9.7	72.0	72.0	5.4	7.3	12	75	12	12	79	818833	806188	<0.2	2.4	2.3									
						1.0	0.4	272	27.4	7.8	7.8	9.7	9.7	72.0	72.0	5.4	7.4	10	75	12	75	79	818833	806188	<0.2	2.3										
						4.1	0.2	322	27.3	7.9	7.9	12.3	12.3	70.3	70.3	5.2	6.4	17	78	16	78	79	818833	806188	<0.2	2.1										
					4.1	0.3	334	27.3	7.9	7.9	12.3	12.3	70.2	70.3	5.2	6.4	17	79	16	79	79	818833	806188	<0.2	2.2											
					7.1	0.5	9	26.8	7.9	7.9	18.8	18.8	57.3	57.4	4.1	21.0	21	82	16	82	79	818833	806188	<0.2	2.4											
					7.1	0.5	9	26.8	7.9	7.9	18.8	18.8	57.4	57.4	4.1	20.9	19	82	16	82	79	818833	806188	<0.2	2.6											
IM3	Cloudy	Moderate	13:19	8.3	Surface	1.0	0.1	-	27.5	7.8	7.8	7.6	7.6	69.3	69.3	5.2	9.7	14	78	14	14	81	819395	806007	<0.2	2.6	2.5									
						1.0	0.1	-	27.5	7.8	7.8	7.6	7.6	69.3	69.3	5.2	9.7	14	78	14	78	81	819395	806007	<0.2	2.5										
						4.2	0.4	259	27.1	7.9	7.9	13.8	13.8	67.2	67.2	5.0	5.9	17	82	15	82	81	819395	806007	<0.2	2.1										
					4.2	0.5	270	27.1	7.9	7.9	13.8	13.8	67.1	67.1	4.9	5.9	16	82	15	82	81	819395	806007	<0.2	2.4											
					7.3	0.2	318	27.0	7.9	7.9	16.0	16.0	62.4	62.4	4.6	5.6	15	84	15	84	81	819395	806007	<0.2	2.8											
					7.3	0.2	318	27.0	7.9	7.9	16.0	16.0	62.4	62.4	4.6	5.6	15	83	15	83	81	819395	806007	<0.2	2.7											
IM4	Cloudy	Moderate	13:10	7.8	Surface	1.0	0.5	237	27.5	7.9	7.9	9.2	9.2	64.8	64.8	4.9	11.6	15	75	15	15	79	819572	805020	<0.2	2.6	2.4									
						1.0	0.5	244	27.5	7.9	7.9	9.2	9.2	64.8	64.8	4.9	11.7	14	75	15	75	79	819572	805020	<0.2	2.5										
						3.9	0.3	253	27.3	8.0	8.0	11.3	11.3	62.5	62.5	4.6	14.8	21	80	22	80	79	819572	805020	<0.2	2.4										
					3.9	0.3	276	27.3	8.0	8.0	11.3	11.3	62.4	62.4	4.6	14.8	20	80	22	80	79	819572	805020	<0.2	2.3											
					6.8	0.2	-	26.7	7.9	7.9	18.2	18.2	50.9	51.0	3.7	16.9	31	82	15	82	79	819572	805020	<0.2	2.5											
					6.8	0.2	-	26.7	7.9	7.9	18.2	18.2	51.0	51.0	3.7	17.1	29	81	15	81	79	819572	805020	<0.2	2.3											
IM5	Cloudy	Moderate	13:02	6.9	Surface	1.0	0.5	265	27.6	7.8	7.8	7.8	7.8	66.5	66.5	5.0	11.6	14	74	14	14	80	820551	804912	<0.2	2.7	2.5									
						1.0	0.5	290	27.6	7.8	7.8	7.8	7.8	66.5	66.5	5.0	11.6	13	74	14	74	80	820551	804912	<0.2	2.6										
						3.5	0.4	268	27.4	7.8	7.8	10.0	10.0	65.8	65.8	4.9	9.5	14	82	15	82	80	820551	804912	<0.2	2.5										
					3.5	0.4	292	27.4	7.8	7.8	10.0	10.0	65.8	65.8	4.9	9.5	15	82	15	82	80	820551	804912	<0.2	2.7											
					5.9	0.3	302	27.4	7.8	7.8	12.1	12.1	60.4	60.4	4.5	12.5	17	83	15	83	80	820551	804912	<0.2	2.2											
					5.9	0.3	322	27.4	7.8	7.8	12.2	12.2	60.4	60.4	4.5	12.6	17	84	15	84	80	820551	804912	<0.2	2.2											
IM6	Cloudy	Moderate	12:53	6.3	Surface	1.0	0.6	299	27.5	7.7	7.7	10.3	10.3	60.7	60.7	4.5	13.2	14	76	14	14	81	821076	805835	<0.2	2.1	2.3									
						1.0	0.6	322	27.5	7.7	7.7	10.3	10.3	60.7	60.7	4.5	13.3	13	77	14	77	81	821076	805835	<0.2	2.1										
						3.2	0.5	302	27.4	7.7	7.7	11.6	11.7	73.3	73.3	5.5	14.2	18	82	18	82	81	821076	805835	<0.2	2.3										
					3.2	0.5	315	27.4	7.7	7.7	11.7	11.7	73.2	73.3	5.5	14.1	19	83	18	83	81	821076	805835	<0.2	2.4											
					5.3	0.2	316	27.3	7.8	7.8	14.1	14.1	58.8	58.8	4.3	14.1	22	84	18	84	81	821076	805835	<0.2	2.2											
					5.3	0.2																														



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

Water Quality Monitoring

Water Quality Monitoring Results on 18 July 17 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	13:26	7.3	Surface	1.0	0.3	166	28.0	28.0	7.8	7.8	4.0	4.0	74.5	74.5	5.7	5.7	14.7	13	77	79	822087	808827	<0.2	<0.2	3.2	3.0								
						1.0	0.4	179	28.0	7.8	7.8	4.0	4.0	74.5	74.5	5.7	5.7	14.7	13	76	80															
					Middle	3.7	0.1	115	28.0	28.0	7.8	7.8	7.3	7.3	69.6	69.6	5.2	5.2	13.1	14	80	79	14	14	79	81	<0.2	<0.2	3.1	3.0						
						3.7	0.1	115	28.0	28.0	7.8	7.8	7.3	7.3	69.6	69.6	5.2	5.2	13.1	14	79	81	14	14	82	81	<0.2	<0.2	2.9	2.9						
					Bottom	6.3	0.2	15	27.9	27.9	7.8	7.8	7.9	7.9	66.9	66.9	5.0	5.0	13.8	14	80	81	14	14	82	81	<0.2	<0.2	3.2	3.0						
						6.3	0.2	15	27.9	27.9	7.8	7.8	7.9	7.9	66.9	66.9	5.0	5.0	13.8	14	81	81	14	14	81	81	<0.2	<0.2	3.0	3.0						
IM10	Cloudy	Moderate	13:36	6.6	Surface	1.0	0.0	44	28.0	28.0	7.8	7.8	7.0	7.0	74.7	74.7	5.6	5.6	10.7	10	79	82	822230	809856	<0.2	<0.2	3.3	3.2								
						1.0	0.0	45	28.0	28.0	7.8	7.8	7.0	7.0	74.7	74.7	5.6	5.6	10.7	11	80	82	11	11	82	82	<0.2	<0.2	3.2	3.2						
					Middle	3.3	0.2	8	28.0	28.0	7.8	7.8	8.2	8.2	69.6	69.6	5.2	5.2	10.3	11	82	82	11	11	82	84	<0.2	<0.2	3.2	3.2						
						3.3	0.2	8	28.0	28.0	7.8	7.8	8.2	8.2	69.6	69.6	5.2	5.2	10.3	11	82	84	13	13	84	84	<0.2	<0.2	3.2	3.2						
					Bottom	5.6	0.2	351	27.7	27.7	7.8	7.8	11.5	11.5	64.5	64.5	4.8	4.8	11.2	13	84	84	13	13	84	84	<0.2	<0.2	3.2	3.3						
						5.6	0.2	323	27.7	27.7	7.8	7.8	11.5	11.5	64.5	64.5	4.8	4.8	11.2	13	84	84	13	13	84	84	<0.2	<0.2	3.3	3.3						
IM11	Cloudy	Moderate	13:51	8.2	Surface	1.0	0.1	108	28.0	28.0	7.8	7.8	7.2	7.2	75.7	75.7	5.7	5.7	9.6	10	81	82	821492	810552	<0.2	<0.2	3.4	3.3								
						1.0	0.1	109	28.0	28.0	7.8	7.8	7.2	7.2	75.7	75.7	5.7	5.7	9.6	10	81	83	10	10	83	84	<0.2	<0.2	3.6	3.3						
					Middle	4.1	0.0	169	27.9	27.9	7.8	7.8	8.1	8.1	71.7	71.7	5.4	5.4	9.8	10	83	82	11	11	84	84	<0.2	<0.2	3.3	3.3						
						4.1	0.0	170	27.9	27.9	7.8	7.8	8.1	8.1	71.7	71.7	5.4	5.4	9.8	11	84	84	11	11	84	84	<0.2	<0.2	3.2	3.4						
					Bottom	7.2	0.3	324	27.6	27.6	7.8	7.8	10.7	10.7	70.9	70.9	5.3	5.3	11.5	11	84	83	11	11	84	83	<0.2	<0.2	3.4	3.1						
						7.2	0.3	338	27.6	27.6	7.8	7.8	10.7	10.7	70.9	70.9	5.3	5.3	11.5	11	83	83	11	11	83	83	<0.2	<0.2	3.1	3.1						
IM12	Cloudy	Moderate	14:00	8.6	Surface	1.0	0.2	296	27.8	27.8	8.0	8.0	7.2	7.2	73.0	73.0	5.5	5.5	8.3	10	80	86	821166	811526	<0.2	<0.2	2.9	2.6								
						1.0	0.2	297	27.8	27.8	8.0	8.0	7.2	7.2	73.0	73.0	5.5	5.5	8.3	10	81	85	10	10	85	84	<0.2	<0.2	2.9	2.5						
					Middle	4.3	0.7	281	27.5	27.5	8.0	8.0	13.0	13.0	68.3	68.3	5.0	5.0	7.7	12	85	10	10	85	84	<0.2	<0.2	2.5	2.4							
						4.3	0.7	295	27.5	27.5	8.0	8.0	13.0	13.0	68.3	68.3	5.0	5.0	7.7	10	84	93	10	10	93	92	<0.2	<0.2	2.4	2.5						
					Bottom	7.6	0.3	269	27.1	27.1	8.0	8.0	19.4	19.4	64.7	64.7	4.6	4.6	11.8	11	92	92	11	11	92	92	<0.2	<0.2	2.5	2.4						
						7.6	0.3	279	27.1	27.1	8.0	8.0	19.4	19.4	64.7	64.7	4.6	4.6	11.8	11	92	92	11	11	92	92	<0.2	<0.2	2.4	2.4						
SR2	Rainy	Moderate	14:29	4.6	Surface	1.0	0.1	79	27.6	27.6	7.9	7.9	11.0	11.0	73.9	73.9	5.5	5.5	6.2	4	84	87	821481	814159	<0.2	<0.2	2.0	2.0								
						1.0	0.1	83	27.6	27.6	7.9	7.9	11.0	11.0	73.9	73.9	5.5	5.5	6.2	3	83	83	4	4	83	83	<0.2	<0.2	2.0	2.0						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.6	0.0	66	27.4	27.4	7.7	7.7	14.7	14.7	76.3	76.3	5.6	5.6	6.8	5	90	89	5	5	89	89	<0.2	<0.2	2.6	2.4						
						3.6	0.0	68	27.4	27.4	7.7	7.7	14.7	14.7	76.3	76.3	5.6	5.6	6.8	5	89	89	5	5	89	89	<0.2	<0.2	2.6	2.4						
SR3	Cloudy	Moderate	13:08	8.5	Surface	1.0	0.6	182	28.0	28.0	7.7	7.7	6.2	6.2	64.0	64.0	4.8	4.8	15.6	11	-	-	822152	807559	-	-	-	-								
						1.0	0.6	188	28.0	28.0	7.7	7.7	6.2	6.2	64.0	64.0	4.8	4.8	15.6	10	-	-	-	-	-	-	-	-	-	-						
					Middle	4.3	0.2	239	27.7	27.7	7.7	7.7	11.7	11.7	57.4	57.4	4.2	4.2	13.7	10	-	-	-	-	-	-	-	-	-	-	-					
						4.3	0.2	250	27.7	27.7	7.7	7.7	11.7	11.7	57.4	57.4	4.2	4.2	13.7	10	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	7.5	0.2	258	27.7	27.7	7.7	7.7	12.3	12.3	58.8	58.8	4.3	4.3	14.6	11	-	-	-	-	-	-	-	-	-	-	-					
						7.5	0.2	274	27.7	27.7	7.7	7.7	12.3	12.3	58.8	58.8	4.3	4.3	14.6	11	-	-	-	-	-	-	-	-	-	-	-					
SR4A	Cloudy	Moderate	14:19	8.5	Surface	1.0	0.2	235	27.1	27.1	7.9	7.9	14.3	14.3	78.1	78.1	5.7	5.7	5.0	6	-	-	817178	807818	-	-	-	-								
						1.0	0.2	249	27.1	27.1	7.9	7.9	14.3	14.3	78.0	78.0	5.7	5.7	5.0	6	-	-	-	-	-	-	-	-								
					Middle	4.3	0.3	241	27.0	27.0	7.9	7.9	16.0	16.0	67.7	67.7	4.9	4.9	8.6	7	-	-	-	-	-	-	-	-	-							
						4.3	0.3	244	27.0	27.0	7.9	7.9	16.0	16.0	67.5	67.5	4.9	4.9	8.6	7	-	-	-	-	-	-	-	-	-							
					Bottom	7.5	0.2	223	26.8	26.8	7.9	7.9	18.6	18.6	56.3	56.3	4.1	4.1	15.5	9	-	-	-	-	-	-	-	-	-							
						7.5	0.2	244	26.8	26.8	7.9	7.9	18.6	18.6	56.3	56.3	4.1	4.1	15.6	9	-	-	-	-	-	-	-	-	-							
SR5A	Rainy	Moderate	14:54	4.9	Surface	1.0	0.0	313	27.3	27.3	7.9	7.9	12.7	12.7	79.3	79.3	5.9	5.9	7.0	4	-	-	816576	810704	-	-	-	-								
						1.0	0.0	316	27.3	27.3	7.9	7.9	12.7	12.7	79.3	79.3	5.9	5.9	7.0	4	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.9	0.1	329	27.3	27.3	8.0	8.0	14.9	14.9	79.6	79.6	5.8	5.8	7.6	13	-	-	-	-	-	-	-	-								
						3.9	0.1	345	27.3	27.3	8.0	8.0	14.9	14.9	79.6	79.6	5.8	5.8	7.6	14	-	-	-	-	-	-	-	-								
SR6	Rainy	Moderate	15:21	4.4	Surface	1.0	0.1	240	27.3	27.3	7.9	7.9	12.7	12.7	79.1	79.1	5.8	5.8	6.7	4	-	-	817906	814678	-	-	-	-								
						1.0	0.1	243	27.3	27.3	7.9	7.9	12.7	12.7	79.1	79.1	5.8	5.8	6.8	5	-	-	-	-	-	-	-									
					Middle	-	-	-	-	-																										



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

Water Quality Monitoring

Water Quality Monitoring Results on 20 July 17 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					
IM9	Cloudy	Moderate	10:28	6.8	Surface	1.0	0.6	164	28.0	7.8	7.8	11.2	11.2	63.4	63.4	4.7	9.8	6	78	6	78	81	822075	808813	<0.2	<0.2	2.2	2.1								
						1.0	0.7	169	28.0	7.8	7.8	11.2	11.2	63.4	63.4	4.7	9.8	6	79	6	79						2.1	2.1								
					Middle	3.4	0.3	167	27.3	27.3	7.9	7.9	15.9	15.9	60.2	60.2	4.4	11.0	6	82	6						82	2.2	2.2							
						3.4	0.3	167	27.3	27.3	7.9	7.9	15.9	15.9	60.2	60.2	4.4	11.0	6	82	6						82	2.1	2.1							
					Bottom	5.8	0.1	168	27.2	27.2	7.9	7.9	16.9	16.9	57.6	57.6	4.2	10.9	8	83	4						83	4	83	2.2	2.2					
						5.8	0.1	170	27.2	27.2	7.9	7.9	16.9	16.9	57.6	57.6	4.2	10.9	9	84	4						84	4	84	2.1	2.1					
IM10	Cloudy	Moderate	10:15	6.3	Surface	1.0	0.7	139	28.2	7.9	7.9	10.0	10.0	73.0	73.0	5.4	7.5	4	79	4	79	83	822249	809839	<0.2	<0.2	2.6	2.5								
						1.0	0.7	146	28.2	27.2	7.9	7.9	10.0	10.0	5.4	7.5	4	79	4	79	2.5						2.5									
					Middle	3.2	0.5	117	27.2	27.2	7.9	7.9	16.9	16.9	56.2	56.2	4.1	8.7	4	82	3						83	2.2	2.2							
						3.2	0.5	127	27.2	27.2	7.9	7.9	16.9	16.9	56.2	56.2	4.1	8.7	3	83	4						84	2.2	2.2							
					Bottom	5.3	0.3	109	27.2	27.2	7.8	7.8	18.7	18.7	58.2	58.2	4.2	9.1	4	89	4						89	2.3	2.3							
						5.3	0.3	119	27.2	27.2	7.8	7.8	18.7	18.7	58.2	58.2	4.2	9.1	5	88	4						88	2.3	2.4							
IM11	Cloudy	Moderate	10:03	7.8	Surface	1.0	0.6	137	28.1	28.1	7.9	7.9	10.1	10.2	68.1	68.1	5.0	6.5	4	79	4	79	82	821520	810526	<0.2	<0.2	2.2	2.0							
						1.0	0.7	138	28.1	27.5	7.9	7.9	10.2	10.2	5.0	6.5	4	79	4	79	2.0	2.0														
					Middle	3.9	0.6	128	27.5	27.5	7.9	7.9	14.5	14.5	61.8	61.8	4.5	6.5	3	81	3	81						2.1	2.1							
						3.9	0.6	128	27.5	27.5	7.9	7.9	14.5	14.5	61.8	61.8	4.5	6.5	4	82	4	84						1.9	1.9							
					Bottom	6.8	0.3	110	27.4	27.4	7.9	7.9	15.7	15.7	61.2	61.2	4.4	7.7	4	84	4	84						2.1	2.1							
						6.8	0.3	114	27.4	27.4	7.9	7.9	15.7	15.7	61.2	61.2	4.4	7.7	4	85	4	85						1.9	1.9							
IM12	Cloudy	Moderate	09:54	8.3	Surface	1.0	0.5	116	28.4	28.4	7.9	7.9	9.1	9.1	71.6	71.6	5.3	6.6	3	80	3	80	82	821172	811522	<0.2	<0.2	2.0	2.0							
						1.0	0.6	123	28.4	27.7	7.9	7.9	9.1	9.1	5.3	6.6	3	79	3	82	2.3	2.3														
					Middle	4.2	0.4	87	27.7	27.7	7.9	7.9	13.6	13.6	62.1	62.1	4.5	7.1	4	82	4	82						2.4	2.4							
						4.2	0.5	90	27.7	27.5	7.9	7.9	13.6	13.6	62.1	62.1	4.5	7.1	3	82	3	84						2.3	2.3							
					Bottom	7.3	0.3	86	27.5	27.5	7.9	7.9	15.4	15.4	58.8	58.8	4.3	9.6	4	84	4	84						2.7	2.7							
						7.3	0.3	86	27.5	27.5	7.9	7.9	15.4	15.4	58.8	58.8	4.3	9.6	3	84	3	84						2.5	2.5							
SR2	Cloudy	Moderate	08:41	4.8	Surface	1.0	0.6	101	27.8	27.8	7.8	7.8	11.4	11.4	72.0	72.0	5.3	5.1	4	72	4	72	77	821479	814159	<0.2	<0.2	2.5	2.4							
						1.0	0.6	106	27.8	-	-	-	-	-	-	5.3	5.1	3	74	3	74	2.4						2.4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.2	91	27.6	27.6	7.8	7.8	14.0	14.0	72.2	72.3	5.3	4.4	3	81	3	81						2.3	2.3							
						3.8	0.2	97	27.6	27.6	7.8	7.8	14.0	14.0	72.3	72.3	5.3	4.3	4	82	4	82						2.4	2.4							
SR3	Cloudy	Moderate	10:43	8.0	Surface	1.0	1.1	172	27.8	27.8	7.9	7.9	6.8	6.8	65.8	65.8	5.0	10.5	7	-	7	-	-	822138	807575	-	-	-	-							
						1.0	1.2	181	27.8	27.3	7.9	7.9	6.8	6.8	5.0	10.5	7	-	7	-	-	-						-								
					Middle	4.0	0.8	186	27.3	27.3	7.9	7.9	14.7	14.7	58.2	58.2	4.3	11.4	6	-	6	-						-	-	-	-	-	-	-		
						4.0	0.9	202	27.3	27.1	7.9	7.8	14.7	14.7	58.2	58.2	4.3	11.4	6	-	6	-						-	-	-	-	-	-	-		
					Bottom	7.0	0.5	234	27.1	27.1	7.8	7.8	17.2	17.2	54.9	54.9	4.0	14.0	8	-	8	-						-	-	-	-	-	-	-	-	
						7.0	0.6	254	27.1	27.1	7.8	7.8	17.2	17.2	54.9	54.9	4.0	14.0	7	-	7	-						-	-	-	-	-	-	-		
SR4A	Sunny	Calm	10:29	9.3	Surface	1.0	0.2	242	27.3	27.3	7.9	7.9	16.0	16.0	68.2	68.2	4.9	7.0	4	-	4	-	-	817208	807794	-	-	-	-							
						1.0	0.2	261	27.3	26.6	8.0	8.0	16.0	16.0	4.9	7.0	4	-	4	-	-	-														
					Middle	4.7	0.0	134	26.6	26.6	8.0	8.0	24.3	24.3	60.3	60.3	4.2	8.3	6	-	6	-						-	-	-	-	-	-			
						4.7	0.0	134	26.6	26.7	8.0	8.0	24.3	24.3	60.3	60.3	4.2	8.3	7	-	7	-						-	-	-	-	-	-			
					Bottom	8.3	0.0	101	26.7	26.7	8.0	8.0	24.7	24.7	55.0	55.1	3.8	8.9	11	-	11	-						-	-	-	-	-	-	-		
						8.3	0.0	105	26.7	26.7	8.0	8.0	24.7	24.7	55.1	55.1	3.8	8.9	8	-	8	-						-	-	-	-	-	-			
SR5A	Sunny	Calm	10:13	5.0	Surface	1.0	0.1	302	27.6	27.6	7.9	7.9	11.6	11.6	77.8	77.1	5.8	4.9	4	-	4	-	-	816612	810700	-	-	-	-							
						1.0	0.1	328	27.6	-	-	-	-	-	-	5.8	4.7	2	-	2	-	-						-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-			
					Bottom	4.0	0.0	314	27.4	27.4	7.8	7.8	14.8	14.7	78.1	79.2	5.7	5.6	4	-	4	-						-	-	-	-	-	-			
						4.0	0.0	319	27.4	27.4	7.8	7.8	14.6	14.7	80.3	79.2	5.9	5.8	5	-	5	-						-	-	-	-	-				
SR6	Sunny	Calm	09:48	4.6	Surface	1.0	0.3	82	27.8	27.8	7.9	7.9	12.2	12.2	78.5	78.3	5.8	4.6	4	-	4	-	-	817891	814644	-	-	-	-							
						1.0	0.3	89	27.7	-	-	-	-	-	-	5.8	4.6	5	-	5	-	-						-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-				
					Bottom	3.6	0.0	353	27.3	27.3	7.8	7.8	15.5	15.5	77.8	78.1	5.7	7.5	10	-	10	-						-	-	-	-	-	-			
						3.6	0.0	325	27.3	27.3	7.8	7.8	15.5	15.5	78.3	78.1	5.7	7.5	11	-	11	-						-	-	-	-	-				
SR7	Cloudy	Moderate	08:40	18.6	Surface	1.0	0.5	136	27.3	27.3	7.8	7.8	14.2	14.2	74.0	73.9	5.4	1.6	3	-	3	-	-	823638	823734	-	-	-	-							
						1.0	0.5	148	27.3	27.0	7.8	7.8	14.2	14.2	73.8	73.9	5.4	1.6	2	-	2	-						-								
					Middle	9.3	0.1	221	27.0	27.0	7.8	7.8	17.4	17.4	71.9	71.9	5.2	2.1	3	-	3	-						-	-	-	-					
						9.3	0.1	231	27.0	27.0	7.8	7.8	17.4	17.4	71.9	71.9	5.2	2.1	4	-	4	-						-	-	-						
					Bottom	17.6	0.2	138	27.0	27.0	7.8	7.8	18.0	18.1	73.1	74.0	5.3	1.7	4	-	4	-						-	-	-						

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 July 17 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	Cloudy	Moderate	16:30	8.0	Surface	1.0	0.2	91	28.1	7.9	7.9	11.5	11.6	70.3	70.0	5.2	5.1	6.9	6.9	6	80	82	815606	804264	<0.2	<0.2	2.2	1.8									
						1.0	0.2	97	28.1	7.9	7.9	11.6	11.6	69.7	69.7	5.1	5.1	6.9	6.9	4	80	82	<0.2	<0.2	2.1	1.8											
						4.0	0.3	46	27.7	7.9	8.0	13.4	13.0	67.6	67.6	4.9	4.9	7.8	7.8	4	82	82	<0.2	<0.2	2.1	1.8											
					Middle	4.0	0.3	46	27.7	27.7	8.0	8.0	12.5	12.5	67.6	67.6	5.0	5.0	7.9	7.9	4	82	82	<0.2	<0.2	2.2	1.8										
						7.0	0.3	24	27.2	27.3	7.9	7.9	21.9	21.9	76.3	76.3	5.4	5.4	8.6	8.6	6	85	85	<0.2	<0.2	1.1	1.8										
						7.0	0.3	25	27.3	27.3	7.9	7.9	21.8	21.9	77.0	76.7	5.4	5.4	8.1	8.1	7	85	85	<0.2	<0.2	1.2	1.8										
C2	Cloudy	Moderate	15:50	10.9	Surface	1.0	0.5	181	28.3	7.7	7.7	5.3	5.3	68.7	68.7	5.2	5.2	17.6	17.6	13	74	79	825700	806929	<0.2	<0.2	2.8	2.9									
						1.0	0.5	186	28.3	7.7	7.7	5.3	5.3	68.7	68.7	5.2	5.2	17.6	17.6	13	74	79	<0.2	<0.2	2.9	2.9											
						5.5	0.2	212	27.5	7.8	7.8	14.4	14.4	49.7	49.7	3.6	3.6	13.1	13.1	12	79	79	<0.2	<0.2	2.9	2.9											
					Middle	5.5	0.2	221	27.5	27.5	7.8	7.8	14.4	14.4	49.7	49.7	3.6	3.6	13.1	13.1	14	79	79	<0.2	<0.2	2.9	2.9										
						9.9	0.4	341	26.8	26.8	7.8	7.8	19.7	19.7	46.6	46.6	3.3	3.3	23.9	23.9	13	83	83	<0.2	<0.2	2.8	2.8										
						9.9	0.4	341	26.8	26.8	7.8	7.8	19.7	19.7	46.6	46.6	3.3	3.3	23.9	23.9	12	84	84	<0.2	<0.2	3.1	3.1										
C3	Cloudy	Moderate	18:15	12.1	Surface	1.0	0.3	223	27.5	27.5	8.1	8.1	17.0	17.1	86.6	86.6	6.2	6.2	1.7	1.7	4	87	90	822098	817783	<0.2	<0.2	1.8	1.9								
						1.0	0.3	241	27.5	27.5	8.1	8.1	17.1	17.1	86.6	86.6	6.2	6.2	1.8	1.8	4	88	91	<0.2	<0.2	1.9	1.9										
						6.1	0.7	222	27.2	27.2	8.1	8.1	20.2	20.2	81.9	81.9	5.8	5.8	1.5	1.5	3	91	90	<0.2	<0.2	1.8	1.9										
					Middle	6.1	0.8	225	27.2	27.2	8.1	8.1	20.2	20.2	81.8	81.8	5.8	5.8	1.5	1.5	3	90	92	<0.2	<0.2	2.0	1.8										
						11.1	0.4	242	26.8	26.8	8.1	8.1	23.8	23.8	82.4	82.4	5.8	5.8	1.4	1.4	10	92	93	<0.2	<0.2	2.0	1.8										
						11.1	0.4	251	26.8	26.8	8.1	8.1	23.7	23.8	82.8	82.8	5.8	5.8	1.4	1.4	8	93	93	<0.2	<0.2	1.8	1.8										
IM1	Cloudy	Moderate	16:10	7.1	Surface	1.0	0.2	-	28.3	28.3	7.9	8.0	12.4	12.5	75.8	75.8	5.5	5.5	6.5	6.5	7	78	81	818350	806471	<0.2	<0.2	1.9	1.9								
						1.0	0.2	2	28.3	28.3	8.0	8.0	12.5	12.5	75.8	75.8	5.5	5.5	6.4	6.4	8	78	80	<0.2	<0.2	2.3	2.0										
						3.6	0.4	-	28.2	28.2	8.0	8.0	15.4	15.4	73.7	73.7	5.3	5.3	8.0	8.0	8	80	83	<0.2	<0.2	2.0	2.0										
					Middle	3.6	0.4	351	28.2	28.2	8.0	8.0	15.4	15.4	73.6	73.7	5.3	5.3	8.1	8.1	9	81	83	<0.2	<0.2	2.0	2.0										
						6.1	0.1	1	27.8	27.8	8.0	8.0	18.0	18.0	80.2	80.5	5.7	5.7	10.1	10.1	14	83	86	<0.2	<0.2	1.5	1.6										
						6.1	0.1	358	27.8	27.8	8.0	8.0	18.0	18.0	80.8	80.5	5.7	5.7	10.0	10.0	12	84	86	<0.2	<0.2	1.6	1.6										
IM2	Cloudy	Moderate	16:04	7.9	Surface	1.0	0.2	315	28.4	28.4	7.9	7.9	9.0	8.8	72.5	72.3	5.3	5.3	7.4	7.4	8	79	83	818854	806200	<0.2	<0.2	2.8	2.0								
						1.0	0.3	336	28.4	28.4	7.9	7.9	8.6	8.8	72.0	72.3	5.3	5.3	7.4	7.4	7	80	83	<0.2	<0.2	2.6	2.0										
						4.0	0.4	318	27.9	27.9	7.9	7.9	14.7	14.7	70.0	70.0	5.1	5.1	6.3	6.3	10	83	83	<0.2	<0.2	1.7	1.7										
					Middle	4.0	0.4	324	27.9	27.9	7.9	7.9	14.7	14.7	70.0	70.0	5.1	5.1	6.3	6.3	7	83	86	<0.2	<0.2	1.5	1.8										
						6.9	0.5	314	27.6	27.7	7.9	7.9	16.7	16.7	74.5	74.7	5.4	5.4	7.0	7.0	9	86	86	<0.2	<0.2	1.8	1.8										
						6.9	0.5	335	27.7	27.7	7.9	7.9	16.6	16.7	74.9	74.7	5.4	5.4	7.0	7.0	9	86	86	<0.2	<0.2	1.8	1.8										
IM3	Cloudy	Moderate	15:57	7.9	Surface	1.0	0.4	235	28.0	28.0	7.8	7.8	8.7	8.7	68.6	68.6	5.1	5.1	9.9	9.9	7	80	82	819410	806036	<0.2	<0.2	2.8	2.2								
						1.0	0.4	245	28.0	28.0	7.8	7.8	8.7	8.7	68.6	68.6	5.1	5.1	9.9	9.9	9	80	82	<0.2	<0.2	2.7	2.2										
						4.0	0.2	269	27.8	27.8	7.9	7.9	12.9	12.9	67.9	67.9	5.0	5.0	10.0	10.0	9	82	81	<0.2	<0.2	2.2	2.1										
					Middle	4.0	0.2	292	27.8	27.8	7.9	7.9	12.9	12.9	67.9	67.9	5.0	5.0	9.9	9.9	7	81	83	<0.2	<0.2	2.1	1.7										
						6.9	0.3	334	27.5	27.5	7.9	7.9	19.3	19.4	79.0	79.4	5.6	5.6	10.0	10.0	10	83	83	<0.2	<0.2	1.7	1.6										
						6.9	0.3	358	27.5	27.5	7.9	7.9	19.4	19.4	79.7	79.7	5.7	5.7	9.9	9.9	12	83	83	<0.2	<0.2	1.6	1.6										
IM4	Cloudy	Moderate	15:49	7.4	Surface	1.0	0.4	259	27.9	27.9	7.8	7.8	9.4	9.4	65.3	65.3	4.9	4.9	12.1	12.1	7	78	81	819572	805053	<0.2	<0.2	3.1	2.5								
						1.0	0.4	264	27.9	27.9	7.8	7.8	9.4	9.4	65.2	65.3	4.9	4.9	12.2	12.2	9	78	80	<0.2	<0.2	3.2	2.5										
						3.7	0.3	289	27.6	27.6	7.9	7.9	12.8	12.8	63.3	63.3	4.7	4.7	13.1	13.1	10	80	80	<0.2	<0.2	2.4	2.2										
					Middle	3.7	0.3	291	27.6	27.6	7.9	7.9	12.8	12.8	63.2	63.2	4.6	4.6	13.0	13.0	10	80	84	<0.2	<0.2	2.2	1.8										
						6.4	0.4	350	27.3	27.3	7.9	7.9	17.0	17.0	63.9	64.0	4.6	4.6	15.8	15.8	12	84	84	<0.2	<0.2	1.8	2.1										
						6.4	0.4	353	27.3	27.3	7.9	7.9	16.9	16.9	64.0	64.0	4.6	4.6	15.9	15.9	12	84	84	<0.2	<0.2	2.1	2.1										
IM5	Cloudy	Moderate	15:40	6.5	Surface	1.0	0.3	285	27.8	27.8	7.8	7.8	9.7	9.7	65.7	65.7	4.9	4.9	14.3	14.3	16	79	83	820553	804907	<0.2	<0.2	2.6	2.5								
						1.0	0.3	307	27.8	27.8	7.8	7.8	9.7	9.7	65.7	64.9	4.9	4.9	14.4	14.4	17	79	83	<0.2	<0.2	2.7	2.5										
						3.3	0.2	319	27.7	27.7	7.8	7.8	10.8	10.8	64.9	64.9	4.8	4.8	16.4	16.4	16	83	83	<0.2	<0.2	2.6	2.6										
					Middle	3.3	0.2	327	27.7	27.7	7.8	7.8	10.8	10.8	64.9	64.9	4.8	4.8	16.4	16.4	16	83	87	<0.2	<0.2	2.6	2.1										
						5.5	0.3	335	27.4	27.4	7.8	7.8	13.3	13.3	68.8	69.0	5.1	5.1	16.0	16.0	20	87	86	<0.2	<0.2	2.1	2.6										
						5.5	0.3	308	27.4	27.4	7.8	7.8	13.3	13.3	69.1	69.0	5.1	5.1	16.0	16.0	20	86	86	<0.2	<0.2	2.6	2.6										
IM6	Cloudy	Moderate	15:30	6.2	Surface	1.0	0.6	280	27.5	27.5	7.6	7.6	10.5	10.5	60.8	60.8	4.5	4.5	12.5	12.5	11	78	83	821065	805838	<0.2	<0.2	3.5	3.4								
						1.0	0.6	286	27.5	27.5	7.6	7.6	10.5	10.5	60.8	60.8	4.5	4.5	12.6	12.6	11	78	84	<0.2	<0.2	3.5	3.3										
						3.1	0.4	294	27.4	27.4	7.6	7.6	11.8	11.8	60.6																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 July 17 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
IM9	Cloudy	Moderate	16:45	7.1	Surface	1.0	0.3	198	28.8	28.8	7.8	7.8	7.4	7.4	74.1	74.1	5.5	5.1	10.9	14.7	12	11	78	80	822097	808804	<0.2	<0.2	3.2	2.9						
						1.0	0.3	198	28.8	28.8	7.8	7.8	7.4	7.4	74.1	74.1	5.5	5.1	10.9	14.7	12	11	78	80	822097	808804	<0.2	<0.2	3.2	2.9						
					Middle	3.6	0.1	220	28.2	28.2	7.7	7.7	9.6	9.6	61.9	61.9	4.6	4.6	13.8	14.7	11	11	80	80	822097	808804	<0.2	<0.2	2.9	2.9						
						3.6	0.1	228	28.2	28.2	7.7	7.7	9.6	9.6	61.9	61.9	4.6	4.6	13.8	14.7	12	11	80	80	822097	808804	<0.2	<0.2	2.7	2.7						
					Bottom	6.1	0.1	331	27.8	27.8	7.6	7.6	12.3	12.3	61.5	61.5	4.5	4.5	19.4	4.5	4.5	19.4	11	11	83	82	822097	808804	<0.2	<0.2	2.7	2.7				
						6.1	0.1	305	27.8	27.8	7.6	7.6	12.3	12.3	61.5	61.5	4.5	4.5	19.4	4.5	4.5	19.4	11	11	82	82	822097	808804	<0.2	<0.2	2.7	2.7				
IM10	Cloudy	Moderate	16:57	6.2	Surface	1.0	0.2	314	28.6	28.6	7.9	7.9	8.0	8.0	70.5	70.5	5.2	4.9	8.6	13.1	10	10	79	82	822230	809843	<0.2	<0.2	2.5	2.6						
						1.0	0.2	317	28.6	28.6	7.9	7.9	8.0	8.0	70.5	70.5	5.2	4.9	8.6	13.1	10	10	79	82	822230	809843	<0.2	<0.2	2.5	2.6						
					Middle	3.1	0.1	353	28.0	28.0	7.9	7.9	10.9	10.9	60.5	60.5	4.5	4.5	8.8	13.1	12	12	82	82	822230	809843	<0.2	<0.2	2.6	2.6						
						3.1	0.1	325	28.0	28.0	7.9	7.9	10.9	10.9	60.5	60.5	4.5	4.5	8.8	13.1	12	12	82	82	822230	809843	<0.2	<0.2	2.9	2.9						
					Bottom	5.2	0.1	89	27.5	27.5	7.9	7.9	15.1	15.1	57.5	57.5	4.2	4.2	21.9	4.2	4.2	21.9	13	13	84	85	822230	809843	<0.2	<0.2	2.7	2.7				
						5.2	0.1	97	27.5	27.5	7.9	7.9	15.1	15.1	57.5	57.5	4.2	4.2	21.9	4.2	4.2	21.9	13	13	85	85	822230	809843	<0.2	<0.2	2.7	2.7				
IM11	Cloudy	Moderate	17:08	8.2	Surface	1.0	0.4	340	28.4	28.4	7.9	7.9	10.5	10.5	73.8	73.8	5.4	5.2	6.2	7.3	10	10	81	82	821485	810545	<0.2	<0.2	3.0	3.1						
						1.0	0.4	313	28.4	28.4	7.9	7.9	10.5	10.5	73.8	73.8	5.4	5.2	6.2	7.3	9	10	82	84	821485	810545	<0.2	<0.2	3.0	3.0						
					Middle	4.1	0.4	333	28.0	28.0	8.0	8.0	13.4	13.4	68.4	68.4	5.0	5.0	5.4	7.3	10	10	84	10	84	83	821485	810545	<0.2	<0.2	3.3	3.1				
						4.1	0.4	349	28.0	28.0	8.0	8.0	13.4	13.4	68.4	68.4	5.0	5.0	5.4	7.3	10	10	83	11	89	88	821485	810545	<0.2	<0.2	3.2	2.9				
					Bottom	7.2	0.3	323	27.2	27.2	8.0	8.0	18.0	18.0	60.4	60.4	4.3	4.3	10.4	4.3	4.3	10.4	11	11	89	88	821485	810545	<0.2	<0.2	3.2	2.9				
						7.2	0.4	334	27.2	27.2	8.0	8.0	18.0	18.0	60.4	60.4	4.3	4.3	10.4	4.3	4.3	10.4	11	11	88	88	821485	810545	<0.2	<0.2	2.9	2.9				
IM12	Cloudy	Moderate	17:17	7.9	Surface	1.0	0.5	270	28.3	28.3	8.0	8.0	12.1	12.1	79.1	79.1	5.8	5.5	4.6	6.4	9	10	82	85	821149	811500	<0.2	<0.2	2.2	2.2						
						1.0	0.5	292	28.3	28.3	8.0	8.0	12.1	12.1	79.1	79.1	5.8	5.5	4.6	6.4	9	10	81	10	85	84	821149	811500	<0.2	<0.2	2.2	2.2				
					Middle	4.0	0.6	274	27.9	27.9	8.0	8.0	14.5	14.5	71.3	71.3	5.2	4.1	4.6	6.4	10	10	85	10	89	88	821149	811500	<0.2	<0.2	2.2	2.0				
						4.0	0.6	295	27.9	27.9	8.0	8.0	14.5	14.5	71.3	71.3	5.2	4.1	4.6	6.4	10	10	84	10	89	88	821149	811500	<0.2	<0.2	2.2	2.2				
					Bottom	6.9	0.3	296	26.9	26.9	8.0	8.0	20.0	20.0	57.3	57.3	4.1	4.1	10.0	4.1	4.1	10.0	10	10	89	88	821149	811500	<0.2	<0.2	2.0	2.2				
						6.9	0.3	308	26.9	26.9	8.0	8.0	20.0	20.0	57.3	57.3	4.1	4.1	10.0	4.1	4.1	10.0	10	10	88	88	821149	811500	<0.2	<0.2	2.2	2.2				
SR2	Cloudy	Moderate	18:03	5.1	Surface	1.0	0.7	321	28.4	28.4	8.2	8.2	13.5	13.5	81.6	81.6	5.9	5.9	4.4	10.4	9	10	83	82	821456	814182	<0.2	<0.2	1.7	1.9						
						1.0	0.7	329	28.4	28.4	8.2	8.2	13.5	13.5	81.6	81.6	5.9	5.9	4.4	10.4	10	10	82	10	82	87	821456	814182	<0.2	<0.2	1.7	1.7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.1	0.5	316	26.9	26.9	8.0	8.0	19.7	19.7	63.6	63.6	4.5	4.5	16.4	4.5	4.5	16.4	10	10	87	87	821456	814182	<0.2	<0.2	1.7	1.7				
						4.1	0.5	344	26.9	26.9	8.0	8.0	19.7	19.7	63.6	63.6	4.5	4.5	16.4	4.5	4.5	16.4	10	10	87	87	821456	814182	<0.2	<0.2	1.7	1.7				
SR3	Cloudy	Moderate	16:29	8.3	Surface	1.0	0.5	188	28.0	28.0	7.7	7.7	6.4	6.5	61.8	61.8	4.7	4.6	15.2	13.1	12	13	-	-	822155	807578	-	-	-	-						
						1.0	0.5	194	28.0	28.0	7.7	7.7	6.5	6.5	61.8	61.8	4.7	4.6	15.1	4.6	4.6	15.1	13	15	-	-	822155	807578	-	-	-	-				
					Middle	4.2	0.2	222	27.7	27.7	7.7	7.7	11.3	11.3	59.8	59.8	4.4	4.4	11.7	4.4	4.4	11.7	15	15	-	-	822155	807578	-	-	-	-				
						4.2	0.2	234	27.7	27.7	7.7	7.7	11.3	11.3	59.8	59.8	4.4	4.4	11.7	4.4	4.4	11.7	15	15	-	-	822155	807578	-	-	-	-				
					Bottom	7.3	0.4	344	27.7	27.7	7.6	7.6	12.0	12.0	57.9	58.0	4.3	4.3	12.5	4.3	4.3	12.5	17	17	-	-	822155	807578	-	-	-	-				
						7.3	0.4	353	27.7	27.7	7.6	7.6	12.0	12.0	58.1	58.1	4.3	4.3	12.5	4.3	4.3	12.5	17	17	-	-	822155	807578	-	-	-	-				
SR4A	Cloudy	Moderate	17:00	8.2	Surface	1.0	0.2	271	28.2	28.2	7.9	7.9	15.0	15.0	80.4	80.4	5.8	5.6	6.2	6.7	10	13	-	-	817196	807804	-	-	-	-						
						1.0	0.2	295	28.2	28.2	7.9	7.9	15.0	15.0	79.8	79.8	5.7	5.6	6.3	6.7	11	13	-	-	817196	807804	-	-	-	-						
					Middle	4.1	0.1	288	28.0	28.0	7.9	7.9	15.3	15.4	76.7	76.5	5.5	5.5	7.0	5.5	5.5	7.0	12	12	-	-	817196	807804	-	-	-	-				
						4.1	0.1	307	27.9	27.9	7.9	7.9	15.4	15.4	76.2	76.2	5.5	5.5	7.0	5.5	5.5	7.0	12	12	-	-	817196	807804	-	-	-	-				
					Bottom	7.2	0.1	238	27.7	27.7	7.9	7.9	18.3	18.3	83.7	84.0	5.9	6.0	6.9	5.9	6.0	6.9	17	17	-	-	817196	807804	-	-	-	-				
						7.2	0.1	245	27.8	27.8	7.9	7.9	18.3	18.3	84.2	84.2	6.0	6.0	6.9	6.0	6.0	6.9	19	19	-	-	817196	807804	-	-	-	-				
SR5A	Cloudy	Calm	17:17	5.2	Surface	1.0	0.1	10	28.0	28.0	7.9	7.9	15.7	15.7	78.9	78.9	5.7	5.7	6.9	7.6	11	11	-	-	816609	810679	-	-	-	-						
						1.0	0.1	10	28.0	28.0	7.9	7.9	15.7	15.7	78.8	78.8	5.7	5.7	7.2	5.7	5.7	7.2	11	11	-	-	816609	810679	-	-	-	-				
					Middle	-	-	-	-	-																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 July 17 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	Sunny	Moderate	12:35	8.4	Surface	1.0	1.1	213	28.4	8.1	8.1	16.8	16.8	95.3	95.3	6.8	6.1	1.9	4.3	15	19	78	83	815639	804251	<0.2	<0.2	1.4	1.3			
						1.0	1.1	220	28.4	8.1	8.1	16.8	16.8	95.2	95.2	6.7	6.1	2.0	4.3	15	19	78	83	815639	804251	<0.2	<0.2	1.5	1.3			
					Middle	4.2	0.8	225	27.5	27.5	8.1	8.1	22.3	22.2	77.6	77.6	5.4	5.4	4.4	4.3	4.4	4.3	19	19	84	83	815639	804251	<0.2	<0.2	1.6	1.3
						4.2	0.9	236	27.5	27.5	8.1	8.1	22.1	22.2	77.5	77.6	5.4	5.4	4.6	4.3	4.6	4.3	18	19	84	83	815639	804251	<0.2	<0.2	1.7	1.3
					Bottom	7.4	0.7	228	27.4	27.4	8.0	8.0	24.5	24.5	81.3	81.3	5.6	5.6	6.5	5.6	6.5	5.6	24	24	86	86	815639	804251	<0.2	<0.2	0.8	0.8
						7.4	0.7	246	27.4	27.4	8.0	8.0	24.5	24.5	81.6	81.5	5.6	5.6	6.6	5.6	6.6	5.6	24	24	85	85	815639	804251	<0.2	<0.2	0.7	0.7
C2	Sunny	Moderate	13:23	10.8	Surface	1.0	1.4	166	29.0	7.9	7.9	11.3	11.3	77.9	77.9	5.6	4.8	5.5	11.5	11	13	86	89	825688	806953	<0.2	<0.2	2.4	2.5			
						1.0	1.5	169	29.0	7.9	7.9	11.3	11.3	77.9	77.9	5.6	4.8	5.5	11.5	10	13	85	89	825688	806953	<0.2	<0.2	2.5	2.5			
					Middle	5.4	1.1	173	27.5	27.5	7.9	7.9	16.0	16.0	54.2	54.2	3.9	3.9	10.7	11.5	13	13	88	89	825688	806953	<0.2	<0.2	2.6	2.5		
						5.4	1.2	182	27.5	27.5	7.9	7.9	16.0	16.0	54.2	54.2	3.9	3.9	10.7	11.5	12	13	89	89	825688	806953	<0.2	<0.2	2.5	2.5		
					Bottom	9.8	0.4	190	27.2	27.2	7.9	7.9	20.1	20.1	54.3	54.3	3.9	3.9	18.4	18.4	16	16	91	92	16	16	825688	806953	<0.2	<0.2	2.5	2.3
						9.8	0.5	190	27.2	27.2	7.9	7.9	20.1	20.1	54.3	54.3	3.9	3.9	18.4	18.4	16	16	92	92	16	16	825688	806953	<0.2	<0.2	2.3	2.3
C3	Sunny	Moderate	10:21	12.8	Surface	1.0	0.4	99	27.8	8.2	8.2	19.1	19.1	83.6	83.6	5.9	5.4	3.9	4.8	10	14	91	94	822118	817811	<0.2	<0.2	1.6	1.4			
						1.0	0.4	101	27.8	27.8	8.2	8.2	19.1	19.1	83.6	83.6	5.9	5.4	3.9	4.8	11	14	92	94	822118	817811	<0.2	<0.2	1.4	1.4		
					Middle	6.4	0.3	64	27.1	27.1	8.1	8.1	22.5	22.5	70.3	70.3	4.9	4.9	3.7	4.8	15	14	94	94	822118	817811	<0.2	<0.2	1.4	1.4		
						6.4	0.3	66	27.1	27.1	8.1	8.1	22.5	22.5	70.3	70.3	4.9	4.9	3.7	4.8	15	14	93	94	822118	817811	<0.2	<0.2	1.4	1.4		
					Bottom	11.8	1.0	73	26.6	26.6	8.0	8.0	25.2	25.2	62.5	62.5	4.4	4.4	6.9	4.4	6.9	4.4	18	16	96	96	822118	817811	<0.2	<0.2	1.4	1.4
						11.8	1.0	75	26.6	26.6	8.0	8.0	25.2	25.2	62.5	62.5	4.4	4.4	6.9	4.4	6.9	4.4	16	16	96	96	822118	817811	<0.2	<0.2	1.4	1.4
IM1	Sunny	Moderate	13:06	6.8	Surface	1.0	0.8	196	28.0	8.0	8.0	17.2	17.2	76.6	76.7	5.5	5.5	9.7	12.0	15	17	76	80	818337	806451	<0.2	<0.2	1.6	1.6			
						1.0	0.8	201	28.0	28.0	8.0	8.0	17.2	17.2	76.6	76.7	5.5	5.5	9.2	12.0	14	17	77	80	818337	806451	<0.2	<0.2	1.6	1.6		
					Middle	3.4	0.7	193	27.9	27.9	8.0	8.0	17.7	17.8	75.6	75.6	5.4	5.4	11.4	12.0	14	17	79	80	818337	806451	<0.2	<0.2	1.6	1.6		
						3.4	0.7	196	27.9	27.9	8.0	8.0	17.8	17.8	75.6	75.6	5.4	5.4	11.6	12.0	14	17	79	80	818337	806451	<0.2	<0.2	1.6	1.6		
					Bottom	5.8	0.6	192	27.8	27.8	8.0	8.0	18.5	18.5	75.5	75.6	5.4	5.4	14.8	5.4	14.8	5.4	21	17	85	80	818337	806451	<0.2	<0.2	1.3	1.3
						5.8	0.6	196	27.8	27.8	8.0	8.0	18.5	18.5	75.6	75.6	5.4	5.4	15.1	5.4	15.1	5.4	22	17	85	80	818337	806451	<0.2	<0.2	1.6	1.6
IM2	Sunny	Moderate	13:14	7.9	Surface	1.0	1.3	210	28.2	7.9	7.9	15.7	15.7	75.0	75.0	5.4	5.4	4.2	5.8	17	20	75	79	818859	806191	<0.2	<0.2	2.2	2.0			
						1.0	1.4	221	28.2	28.2	7.9	7.9	15.7	15.7	74.9	75.0	5.4	5.4	4.5	5.8	16	20	76	79	818859	806191	<0.2	<0.2	2.0	1.8		
					Middle	4.0	1.0	210	27.8	27.8	8.0	8.0	18.0	18.0	74.9	75.1	5.3	5.3	6.6	5.8	6.6	5.8	18	20	79	79	818859	806191	<0.2	<0.2	2.0	1.8
						4.0	1.1	216	27.8	27.8	8.0	8.0	17.9	18.0	75.2	75.1	5.4	5.4	6.4	5.8	6.4	5.8	20	20	79	79	818859	806191	<0.2	<0.2	1.9	1.8
					Bottom	6.9	0.8	207	27.8	27.8	8.0	8.0	18.6	18.6	81.6	82.7	5.8	5.9	6.9	5.9	6.9	5.9	23	20	82	79	818859	806191	<0.2	<0.2	1.3	1.3
						6.9	0.9	224	27.8	27.8	8.0	8.0	18.6	18.6	83.8	82.7	5.9	5.9	6.4	5.9	6.4	5.9	24	20	83	79	818859	806191	<0.2	<0.2	1.4	1.4
IM3	Sunny	Moderate	13:25	7.2	Surface	1.0	1.2	220	27.9	7.9	7.9	16.9	16.9	73.5	73.5	5.3	5.2	5.9	6.5	16	18	80	85	819402	806015	<0.2	<0.2	1.8	1.7			
						1.0	1.3	220	27.9	27.9	7.9	7.9	16.9	16.9	73.5	73.5	5.2	5.2	6.0	6.5	15	18	80	85	819402	806015	<0.2	<0.2	1.7	1.7		
					Middle	3.6	1.0	219	27.9	27.9	8.0	8.0	17.1	17.1	73.0	73.0	5.2	5.2	6.3	6.5	6.3	6.5	17	18	84	85	819402	806015	<0.2	<0.2	1.6	1.6
						3.6	1.0	238	27.9	27.9	8.0	8.0	17.0	17.0	72.9	73.0	5.2	5.2	6.6	6.5	6.6	6.5	15	18	85	85	819402	806015	<0.2	<0.2	1.7	1.6
					Bottom	6.2	0.8	213	27.5	27.5	8.0	8.0	20.3	20.3	75.6	75.7	5.3	5.3	7.2	5.3	7.2	5.3	21	20	90	89	819402	806015	<0.2	<0.2	1.6	1.6
						6.2	0.9	220	27.5	27.5	8.0	8.0	20.2	20.2	75.8	75.8	5.3	5.3	7.0	5.3	7.0	5.3	22	20	89	89	819402	806015	<0.2	<0.2	1.5	1.5
IM4	Sunny	Moderate	13:32	7.1	Surface	1.0	0.7	197	28.4	8.0	8.0	14.9	14.9	83.3	83.4	6.0	6.0	6.7	7.8	12	13	78	83	819551	805033	<0.2	<0.2	1.8	1.7			
						1.0	0.7	211	28.4	28.4	8.0	8.0	14.9	14.9	83.4	83.4	6.0	6.0	6.3	7.8	11	13	78	83	819551	805033	<0.2	<0.2	1.8	1.7		
					Middle	3.6	0.6	203	28.2	28.2	8.0	8.0	16.2	15.8	83.5	83.7	6.0	6.0	6.4	6.0	6.4	6.0	11	13	83	83	819551	805033	<0.2	<0.2	1.9	1.7
						3.6	0.7	208	28.2	28.2	8.0	8.0	15.3	15.3	83.9	83.7	6.0	6.0	6.8	6.0	6.8	6.0	10	13	84	83	819551	805033	<0.2	<0.2	1.7	1.7
					Bottom	6.1	0.5	205	27.9	27.9	8.1	8.1	18.3	18.3	89.0	89.2	6.3	6.3	10.3	6.3	10.3	6.3	18	13	88	83	819551	805033	<0.2	<0.2	1.5	1.5
						6.1	0.5	223	27.9	27.9	8.1	8.1	18.3	18.3	89.4	89.2	6.3	6.3	10.3	6.3	10.3	6.3	17	13	87	83	819551	805033	<0.2	<0.2	1.4	1.4
IM5	Sunny	Moderate	13:41	6.2	Surface	1.0	1.2	207	28.4	8.0	7.9	13.9	13.9	78.7	78.7	5.7	5.6	4.7	9.6	6	12	80	84	820560	804904	<0.2	<0.2	2.0	1.9			
						1.0	1.2	225	28.4	28.4	7.9	7.9	13.9	13.9	78.6	78.7	5.7	5.6	4.8	9.6	7	12	79	84	820560	804904	<0.2	<0.2	1.9	1.9		

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 July 17 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
IM9	Sunny	Moderate	12:22	7.6	Surface	1.0	1.0	164	28.5	8.0	8.0	14.2	14.2	71.4	71.4	5.1	4.7	4.1	9.1	11	84	90	822109	808791	<0.2	2.3	2.3									
						1.0	1.0	172	28.5	8.0	8.0	14.2	14.2	71.4	71.4	5.1	4.7	4.1	9.1	11	84															
					Middle	3.8	0.6	152	27.5	27.5	8.0	8.0	19.4	19.4	59.2	59.2	4.2	4.2	10.7	13	91	90	822109	808791	<0.2	2.5										
						3.8	0.7	156	27.5	27.5	8.0	8.0	19.4	19.4	59.2	59.2	4.2	4.2	10.7	13	92															
					Bottom	6.6	0.2	132	27.5	27.5	8.1	8.1	20.3	20.3	60.6	60.6	4.3	4.3	12.6	15	93	90	822109	808791	<0.2	2.1										
						6.6	0.2	133	27.5	27.5	8.1	8.1	20.3	20.3	60.6	60.6	4.3	4.3	12.6	15	94															
IM10	Sunny	Moderate	12:11	7.7	Surface	1.0	1.0	138	28.3	8.0	8.0	13.9	13.9	65.1	65.1	4.7	4.6	6.5	8.3	13	83	88	822252	809855	<0.2	2.4	2.2									
						1.0	1.0	142	28.3	8.0	8.0	13.9	13.9	65.1	65.1	4.7	4.6	6.5	8.3	13	84															
					Middle	3.9	0.8	128	27.6	27.6	8.0	8.0	18.9	18.9	61.7	61.7	4.4	4.4	8.9	14	89	88	822252	809855	<0.2	2.1										
						3.9	0.8	131	27.6	27.6	8.0	8.0	18.9	18.9	61.7	61.7	4.4	4.4	8.9	13	88															
					Bottom	6.7	0.6	116	27.6	27.6	8.0	8.0	20.3	20.3	65.9	65.9	4.6	4.6	9.4	14	91	88	822252	809855	<0.2	2.2										
						6.7	0.6	119	27.6	27.6	8.0	8.0	20.3	20.3	65.9	65.9	4.6	4.6	9.4	15	92															
IM11	Sunny	Moderate	11:58	7.4	Surface	1.0	0.7	112	28.2	28.2	8.0	8.0	14.7	14.7	71.0	71.0	5.1	5.0	4.5	5.5	13	84	88	821512	810534	<0.2	2.1	1.8								
						1.0	0.8	116	28.2	28.2	8.0	8.0	14.7	14.7	71.0	71.0	5.1	5.0	4.5	5.5	11	83														
					Middle	3.7	0.5	112	27.8	27.8	8.1	8.1	18.1	18.1	69.0	69.0	4.9	4.9	5.6	17	88	88	821512	810534	<0.2	1.8										
						3.7	0.5	116	27.8	27.8	8.1	8.1	18.1	18.1	69.0	69.0	4.9	4.9	5.6	15	93															
					Bottom	6.4	0.3	98	27.8	27.8	8.1	8.1	18.5	18.5	71.1	71.1	5.0	5.0	6.3	15	93	88	821512	810534	<0.2	1.6										
						6.4	0.4	100	27.8	27.8	8.1	8.1	18.5	18.5	71.1	71.1	5.0	5.0	6.3	15	92															
IM12	Sunny	Moderate	11:49	8.9	Surface	1.0	0.8	127	28.3	28.3	8.0	8.0	14.5	14.5	73.3	73.3	5.3	5.2	4.2	5.3	10	80	84	821142	811523	<0.2	2.1	2.0								
						1.0	0.9	130	28.3	28.3	8.0	8.0	14.5	14.5	73.3	73.3	5.3	5.2	4.2	5.3	10	81														
					Middle	4.5	0.7	102	27.9	27.9	8.1	8.1	16.8	16.8	71.2	71.2	5.1	5.1	5.0	11	83	84	821142	811523	<0.2	2.2										
						4.5	0.7	106	27.9	27.9	8.1	8.1	16.8	16.8	71.2	71.2	5.1	5.1	5.0	10	84															
					Bottom	7.9	0.4	91	27.9	27.9	8.1	8.1	18.0	18.0	72.2	72.2	5.1	5.1	6.7	11	86	84	821142	811523	<0.2	2.0										
						7.9	0.5	92	27.9	27.9	8.1	8.1	18.0	18.0	72.2	72.2	5.1	5.1	6.7	13	87															
SR2	Sunny	Moderate	10:53	5.4	Surface	1.0	0.1	133	28.0	28.0	8.0	8.0	16.2	16.2	75.8	75.8	5.4	5.4	4.9	9.0	16	88	90	821477	814146	<0.2	1.5	1.7								
						1.0	0.1	145	28.0	28.0	8.0	8.0	16.2	16.2	75.8	75.8	5.4	5.4	4.9	9.0	16	89														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	821477					814146	<0.2	1.7		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90					821477	814146	<0.2	1.7	
					Bottom	4.4	0.1	180	27.9	27.9	8.0	8.0	16.8	16.8	76.5	76.5	5.5	5.5	4.4	16	91	88	821477	814146	<0.2	1.7										
						4.4	0.1	186	27.9	27.9	8.0	8.0	16.8	16.8	76.5	76.5	5.5	5.5	4.4	17	91															
SR3	Sunny	Moderate	12:37	8.8	Surface	1.0	1.0	189	28.7	28.7	8.0	8.0	14.3	14.3	76.6	76.6	5.5	5.3	3.8	7.4	9	-	-	-	822140	807571	-	-								
						1.0	1.0	200	28.7	28.7	8.0	8.0	14.3	14.3	76.6	76.6	5.5	5.3	3.8	7.4	8	-														
					Middle	4.4	0.6	192	27.8	27.8	8.1	8.1	17.2	17.2	70.2	70.2	5.0	5.0	6.8	11	-	-	-	-	-	822140	807571	-					-			
						4.4	0.6	204	27.8	27.8	8.1	8.1	17.2	17.2	70.2	70.2	5.0	5.0	6.8	12	-															
					Bottom	7.8	0.3	233	27.6	27.6	8.1	8.1	20.3	20.3	67.8	67.8	4.8	4.8	11.7	16	-	-	-	-	-	822140	807571	-					-			
						7.8	0.3	240	27.6	27.6	8.1	8.1	20.3	20.3	67.8	67.8	4.8	4.8	11.7	15	-															
SR4A	Sunny	Moderate	12:15	7.9	Surface	1.0	0.2	251	28.5	28.5	8.0	8.0	18.6	18.6	88.7	88.8	6.2	5.8	2.4	3.3	10	-	-	-	817172	807800	-	-								
						1.0	0.2	255	28.5	28.5	8.0	8.0	18.6	18.6	88.9	88.9	6.2	5.8	2.3	3.3	10	-														
					Middle	4.0	0.1	254	27.5	27.5	8.0	8.0	23.4	23.4	75.8	75.8	5.3	5.3	3.6	11	-	-	-	-	-	817172	807800	-					-			
						4.0	0.1	270	27.5	27.5	8.0	8.0	23.3	23.3	75.7	75.7	5.3	5.3	3.6	23	-															
					Bottom	6.9	0.1	257	27.3	27.3	8.0	8.0	24.3	24.3	78.9	79.1	5.5	5.5	3.8	26	-	-	-	-	-	817172	807800	-					-			
						6.9	0.1	280	27.3	27.3	8.0	8.0	24.3	24.3	79.2	79.2	5.5	5.5	3.8	28	-															
SR5A	Sunny	Calm	11:58	5.5	Surface	1.0	0.0	18	28.7	28.8	8.0	8.0	17.0	17.0	85.1	84.9	6.0	6.0	3.1	3.4	10	-	-	-	816602	810680	-	-								
						1.0	0.0	19	28.8	28.8	8.0	8.0	17.0	17.0	84.7	84.7	6.0	6.0	3.2	3.4	8	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816602	810680					-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816602	810680					-	-		
					Bottom	4.5	0.1	100	28.1	28.1	8.0	8.0	17.9	17.9	85.8	86.0	6.1	6.1	3.6	14	-	-	-	-	-	-	816602	810680					-	-		
						4.5	0.1	103	28.1	28.1	8.0	8.0	17.9	17.9	86.1	86.0	6.1	6.1	3.6	12	-															
SR6	Sunny	Calm	11:33	4.3	Surface	1.0	0.1	86	28.5	28.5	8.0	8.0	15.7	15.7	88.2	87.9	6.3	6.3	4.6	4.9	12	-	-	-	817902	814647	-	-								
						1.0	0.1	92	28.5	28.5	8.0	8.0	15.7	15.7	87.5	87.9	6.2	6.3	4.6	12	-															
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817902	814647					-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817902	814647					-	-		
					Bottom	3.3	0.2	73	28.4	28.4	7.9	7.9	16.8	16.8	91.7	91.9	6.5	6.5	4.8	14	-	-	-	-	-	-	817902	814647					-	-		
						3.3	0.2	74	28.4	28.4	7.9	7.9	16.8	16.8	92.1	91.9	6.5	6.5	4.8	12	-															
SR7	Sunny	Moderate	10:22	16.7	Surface	1.0	0.4	63	27.2	27.2	8.0	8.0	20.2	20.2	80.1	80.1	5.7	5.8	1.5	1.8	12	-	-	-	823645	823754	-	-								
						1.0	0.4	63	27.2	27.2	8.0	8.0	20.2	20.2	80.0	80.1	5.7	5.8	1.5	1.8	12	-														
					Middle	8.4	0.1	319	26.8	26.8	7.9	7.9	23.5	23.5	82.5	82.8																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 July 17 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	Fine	Moderate	18:26	7.8	Surface	1.0	0.5	18	28.0	8.0	8.0	16.7	16.7	77.4	77.5	5.5	5.6	7.5	10.3	18	18	80	85	815635	804258	<0.2	<0.2	1.4	1.5							
						1.0	0.5	18	28.0	8.0	8.0	16.7	16.7	77.5	77.5	5.5	5.6	7.6	10.3	18	18	79	85	815635	804258	<0.2	<0.2	1.6	1.5							
						3.9	0.5	26	28.0	8.0	8.0	17.2	17.2	80.4	80.5	5.7	5.7	9.9	10.3	19	18	86	86	815635	804258	<0.2	<0.2	1.4	1.5							
					3.9	0.5	27	28.0	8.0	8.0	17.2	17.2	80.5	80.5	5.7	5.7	10.1	10.3	18	18	86	86	815635	804258	<0.2	<0.2	1.6	1.5								
					6.8	0.4	34	28.0	8.0	8.0	18.8	18.8	85.6	85.7	6.0	6.1	13.4	10.3	18	18	89	89	815635	804258	<0.2	<0.2	1.3	1.5								
					6.8	0.4	34	28.0	8.0	8.0	18.8	18.8	85.8	85.7	6.1	6.1	13.5	10.3	18	18	89	89	815635	804258	<0.2	<0.2	1.4	1.5								
C2	Fine	Moderate	17:49	11.0	Surface	1.0	0.5	193	28.5	7.8	7.8	8.5	8.5	59.5	59.5	4.4	4.1	13.6	14.7	12	12	79	84	825698	806955	<0.2	<0.2	4.5	4.7							
						1.0	0.5	205	28.5	7.8	7.8	8.5	8.5	59.5	59.5	4.4	4.1	13.6	14.7	14	13	80	84	825698	806955	<0.2	<0.2	4.7	4.7							
						5.5	0.1	217	27.7	7.8	7.8	14.3	14.3	50.2	50.2	3.7	3.7	14.2	14.7	13	13	83	84	825698	806955	<0.2	<0.2	5.0	4.7							
					5.5	0.1	227	27.7	7.8	7.8	14.3	14.3	50.2	50.2	3.7	3.7	14.2	14.7	13	13	84	84	825698	806955	<0.2	<0.2	5.0	4.7								
					10.0	0.2	278	27.4	7.9	7.9	17.8	17.8	52.0	52.0	3.7	3.7	16.4	14.7	17	17	89	89	825698	806955	<0.2	<0.2	4.5	4.5								
					10.0	0.2	288	27.4	7.9	7.9	17.8	17.8	52.0	52.0	3.7	3.7	16.4	14.7	18	18	89	89	825698	806955	<0.2	<0.2	4.5	4.5								
C3	Fine	Moderate	20:19	11.4	Surface	1.0	0.5	246	27.3	8.2	8.2	22.1	22.1	75.6	75.5	5.3	5.0	3.6	4.1	10	10	92	96	822093	817822	<0.2	<0.2	2.0	1.5							
						1.0	0.5	270	27.3	8.2	8.2	22.1	22.1	75.4	75.5	5.3	5.0	3.6	4.1	9	10	93	96	822093	817822	<0.2	<0.2	1.9	1.5							
						5.7	0.4	235	26.9	8.2	8.2	24.1	24.1	67.3	67.3	4.7	4.7	4.2	4.1	15	15	96	96	822093	817822	<0.2	<0.2	1.3	1.5							
					5.7	0.4	235	26.9	8.2	8.2	24.1	24.1	67.3	67.3	4.7	4.7	4.2	4.1	15	15	97	96	822093	817822	<0.2	<0.2	1.2	1.5								
					10.4	0.2	243	26.8	8.1	8.1	24.5	24.5	67.9	67.9	4.7	4.7	4.5	4.1	15	15	98	96	822093	817822	<0.2	<0.2	1.3	1.5								
					10.4	0.2	266	26.8	8.1	8.1	24.5	24.5	67.9	67.9	4.7	4.7	4.5	4.1	14	14	97	96	822093	817822	<0.2	<0.2	1.3	1.5								
IM1	Fine	Moderate	18:07	6.7	Surface	1.0	0.4	29	28.2	8.0	8.1	16.5	16.6	88.8	89.3	6.3	6.4	5.0	7.9	11	11	81	86	818359	806449	<0.2	<0.2	2.2	1.8							
						1.0	0.4	30	28.2	8.1	8.1	16.6	16.6	89.8	89.3	6.4	6.4	5.3	7.9	12	12	81	86	818359	806449	<0.2	<0.2	1.9	1.8							
						3.4	0.5	359	28.3	8.1	8.1	18.3	18.3	91.3	91.3	6.4	6.4	7.3	7.9	13	13	86	86	818359	806449	<0.2	<0.2	1.8	1.8							
					3.4	0.5	330	28.3	8.1	8.1	18.3	18.3	91.3	91.3	6.4	6.4	7.5	7.9	13	13	86	86	818359	806449	<0.2	<0.2	1.9	1.8								
					5.7	0.5	348	28.2	8.1	8.1	20.9	20.9	93.1	93.2	6.5	6.5	11.2	7.9	16	16	91	91	818359	806449	<0.2	<0.2	1.7	1.8								
					5.7	0.6	352	28.2	8.1	8.1	20.9	20.9	93.2	93.2	6.5	6.5	11.1	7.9	17	17	91	91	818359	806449	<0.2	<0.2	1.5	1.8								
IM2	Fine	Moderate	18:01	7.5	Surface	1.0	0.2	317	28.3	8.0	8.0	15.1	15.1	85.8	85.9	6.2	6.3	5.4	5.8	12	12	84	89	818838	806186	<0.2	<0.2	2.6	2.1							
						1.0	0.2	325	28.3	8.0	8.0	15.1	15.1	85.9	85.9	6.2	6.3	5.5	5.8	12	12	85	89	818838	806186	<0.2	<0.2	2.3	2.1							
						3.8	0.3	350	28.3	8.0	8.0	16.5	16.5	88.7	89.2	6.3	6.3	5.6	5.8	16	16	88	89	818838	806186	<0.2	<0.2	2.2	2.1							
					3.8	0.3	322	28.3	8.0	8.0	16.4	16.5	89.6	89.2	6.4	6.4	6.3	5.8	16	16	88	89	818838	806186	<0.2	<0.2	2.3	2.1								
					6.5	0.4	342	28.4	8.1	8.1	18.7	18.7	91.5	91.5	6.4	6.4	6.1	5.8	17	17	93	89	818838	806186	<0.2	<0.2	1.6	2.1								
					6.5	0.4	344	28.4	8.1	8.1	18.7	18.7	91.5	91.5	6.4	6.4	6.0	5.8	17	17	93	89	818838	806186	<0.2	<0.2	1.8	2.1								
IM3	Fine	Moderate	17:54	7.7	Surface	1.0	0.3	276	28.2	7.9	7.9	13.3	13.3	76.3	76.4	5.5	5.6	4.5	4.2	14	14	82	85	819402	806027	<0.2	<0.2	2.7	2.7							
						1.0	0.3	276	28.2	7.9	7.9	13.3	13.3	76.4	76.4	5.5	5.6	4.5	4.2	13	13	82	85	819402	806027	<0.2	<0.2	2.7	2.7							
						3.9	0.3	291	28.2	7.9	7.9	14.5	14.6	78.0	78.2	5.6	5.6	4.2	4.2	12	12	85	85	819402	806027	<0.2	<0.2	2.7	2.7							
					3.9	0.3	298	28.2	7.9	7.9	14.6	14.6	78.4	78.4	5.6	5.6	4.2	4.2	12	12	85	85	819402	806027	<0.2	<0.2	3.0	2.7								
					6.7	0.3	318	28.2	8.0	8.0	16.4	16.4	80.5	80.5	5.7	5.7	3.8	4.2	12	12	88	85	819402	806027	<0.2	<0.2	2.5	2.7								
					6.7	0.3	322	28.2	8.0	8.0	16.4	16.4	80.5	80.5	5.7	5.7	3.9	4.2	12	12	88	85	819402	806027	<0.2	<0.2	2.6	2.7								
IM4	Fine	Moderate	17:47	7.0	Surface	1.0	0.4	296	27.9	7.8	7.8	12.9	12.9	66.4	66.5	4.9	5.0	6.2	6.9	11	11	80	87	819575	805043	<0.2	<0.2	3.0	2.9							
						1.0	0.4	325	27.9	7.8	7.8	12.9	12.9	66.5	66.5	4.9	4.9	6.3	6.9	12	12	80	87	819575	805043	<0.2	<0.2	3.0	2.9							
						3.5	0.3	328	27.9	7.8	7.8	13.3	13.3	68.3	68.4	5.0	5.0	6.8	6.9	12	12	87	87	819575	805043	<0.2	<0.2	3.0	2.9							
					3.5	0.3	339	27.9	7.8	7.8	13.3	13.3	68.4	68.4	5.0	5.0	6.9	6.9	12	12	87	87	819575	805043	<0.2	<0.2	3.2	2.9								
					6.0	0.3	10	27.9	7.9	7.9	15.2	15.2	73.0	73.1	5.3	5.3	7.6	6.9	13	13	93	87	819575	805043	<0.2	<0.2	2.6	2.9								
					6.0	0.3	10	27.9	7.9	7.9	15.2	15.2	73.2	73.1	5.3	5.3	7.6	6.9	13	13	92	87	819575	805043	<0.2	<0.2	2.7	2.9								
IM5	Fine	Moderate	17:34	6.1	Surface	1.0	0.4	297	27.9	7.7	7.7	12.4	12.4	64.4	64.5	4.7	4.8	9.2	9.7	13	14	82	85	820583	804935	<0.2	<0.2	2.8	2.9							
						1.0	0.5	325	27.9	7.7	7.7	12.4	12.4	64.5	64.5	4.7	4.8	9.2	9.7	14	14	82	85	820583	804935	<0.2	<0.2	3.0	2.9							
						3.1	0.4	294	27.9	7.7	7.7	12.4	12.4	66.8	66.9	4.9	4.9	9.8	9.7	12	14	84	85	820583	804935	<0.2	<0.2	2.8	2.9							
					3.1	0.4	311	27.9	7.7	7.7	12.4	12.4	67.0	66.9	4.9	4.9	9.8	9.7	14	14	85	85	820583	804935	<0.2	<0.2	2.8	2.9								
					5.1	0.4	318	27.9	7.7	7.7	12.4	12.4	75.6	75.9	5.5	5.5	10.0	9.7	17	17	88	85	820583	804935	<0.2	<0.2	3.3									





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

Water Quality Monitoring

Water Quality Monitoring Results on 25 July 17 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	Value	DA
C1	Fine	Moderate	13:42	9.3	Surface	1.0	0.7	196	28.4	8.1	8.1	21.5	21.6	84.9	84.9	5.9	5.8	5.6	5	81	87	815604	804260	<0.2	<0.2	1.3	1.0					
						1.0	0.7	213	28.4	8.1	8.1	21.6	21.6	84.8	84.9	5.8	5.8	5	81	87	815604	804260	<0.2	<0.2	1.3	1.0						
					Middle	4.7	0.7	193	28.3	8.1	8.1	24.1	24.1	84.4	84.4	5.8	5.8	9	87	87	815604	804260	<0.2	<0.2	1.3	1.0						
						4.7	0.8	206	28.3	8.1	8.1	24.1	24.1	84.4	84.4	5.8	5.8	10	87	87	815604	804260	<0.2	<0.2	1.3	1.0						
					Bottom	8.3	0.6	199	28.1	8.1	8.1	25.2	25.2	86.8	86.8	5.9	5.9	9	87	87	815604	804260	<0.2	<0.2	1.3	1.0						
						8.3	0.6	204	28.1	8.1	8.1	25.1	25.2	87.0	86.9	5.9	5.9	9	87	87	815604	804260	<0.2	<0.2	1.3	1.0						
C2	Sunny	Moderate	13:18	11.2	Surface	1.0	0.7	194	29.0	7.9	7.9	15.0	15.0	69.8	69.8	4.9	4.9	8.2	14	85	825689	806957	<0.2	<0.2	2.2	2.3						
						1.0	0.7	194	29.0	7.9	7.9	15.0	15.0	69.8	69.8	4.9	4.9	8.2	14	85	825689	806957	<0.2	<0.2	2.2	2.3						
					Middle	5.6	0.7	175	28.4	8.0	8.0	17.7	17.7	68.3	68.3	4.8	4.8	12	87	87	825689	806957	<0.2	<0.2	2.3	2.3						
						5.6	0.7	190	28.4	8.0	8.0	17.7	17.7	68.3	68.3	4.8	4.8	12	87	87	825689	806957	<0.2	<0.2	2.2	2.3						
					Bottom	10.2	0.4	155	27.7	8.0	8.0	20.7	20.7	66.1	66.1	4.6	4.6	15	89	89	825689	806957	<0.2	<0.2	2.4	2.4						
						10.2	0.4	158	27.7	8.0	8.0	20.7	20.7	66.2	66.2	4.6	4.6	15	89	89	825689	806957	<0.2	<0.2	2.3	2.3						
C3	Sunny	Moderate	15:29	12.4	Surface	1.0	0.1	133	28.5	8.1	8.1	20.2	20.2	72.0	72.0	5.0	5.0	5.2	10	90	822118	817805	<0.2	<0.2	1.4	1.4						
						1.0	0.1	145	28.5	8.1	8.1	20.2	20.2	72.0	72.0	5.0	5.0	5.2	9	91	822118	817805	<0.2	<0.2	1.4	1.4						
					Middle	6.2	0.1	97	27.9	8.1	8.1	21.3	21.3	64.2	64.2	4.5	4.5	6	88	88	822118	817805	<0.2	<0.2	1.5	1.4						
						6.2	0.1	101	27.9	8.1	8.1	21.3	21.3	64.2	64.2	4.5	4.5	6	88	88	822118	817805	<0.2	<0.2	1.5	1.4						
					Bottom	11.4	0.2	101	26.9	8.0	8.0	25.4	25.4	60.7	60.7	4.2	4.2	10	94	94	822118	817805	<0.2	<0.2	1.6	1.6						
						11.4	0.2	110	26.9	8.0	8.0	25.4	25.4	60.7	60.7	4.2	4.2	10	94	94	822118	817805	<0.2	<0.2	1.3	1.3						
IM1	Fine	Moderate	13:25	8.0	Surface	1.0	0.2	172	28.4	8.1	8.1	21.5	21.5	82.2	82.3	5.7	5.7	6.7	6	82	818352	806464	<0.2	<0.2	1.0	1.0						
						1.0	0.2	183	28.4	8.1	8.1	21.4	21.4	82.3	82.3	5.7	5.7	6.8	6	83	818352	806464	<0.2	<0.2	1.1	1.1						
					Middle	4.0	0.2	164	28.2	8.1	8.1	23.8	23.8	83.8	84.2	5.7	5.7	7.0	10	89	818352	806464	<0.2	<0.2	1.2	1.0						
						4.0	0.2	171	28.2	8.1	8.1	23.7	23.7	84.5	84.2	5.8	5.8	7.0	9	89	818352	806464	<0.2	<0.2	1.0	1.0						
					Bottom	7.0	0.0	133	28.1	8.1	8.1	24.9	24.9	86.9	87.0	5.9	5.9	7.1	9	93	818352	806464	<0.2	<0.2	0.8	0.8						
						7.0	0.0	138	28.1	8.1	8.1	24.8	24.9	87.1	87.0	5.9	5.9	7.0	10	92	818352	806464	<0.2	<0.2	0.8	0.8						
IM2	Fine	Moderate	13:20	8.9	Surface	1.0	0.3	179	28.4	8.1	8.1	21.7	21.4	83.0	83.0	5.7	5.7	5.1	6	79	818832	806199	<0.2	<0.2	1.2	1.0						
						1.0	0.3	192	28.4	8.1	8.1	21.1	21.4	83.0	83.0	5.7	5.7	5.2	4	80	818832	806199	<0.2	<0.2	1.3	1.0						
					Middle	4.5	0.2	164	28.2	8.1	8.1	23.1	23.1	83.7	83.7	5.7	5.7	5.5	13	84	818832	806199	<0.2	<0.2	0.9	1.0						
						4.5	0.2	169	28.2	8.1	8.1	23.1	23.1	83.7	83.7	5.8	5.8	5.5	13	85	818832	806199	<0.2	<0.2	1.1	1.0						
					Bottom	7.9	0.2	148	28.1	8.1	8.1	24.2	24.2	86.1	86.2	5.9	5.9	5.0	16	90	818832	806199	<0.2	<0.2	0.7	0.9						
						7.9	0.2	156	28.1	8.1	8.1	24.2	24.2	86.3	86.2	5.9	5.9	5.0	15	90	818832	806199	<0.2	<0.2	0.9	0.9						
IM3	Fine	Moderate	13:13	9.4	Surface	1.0	0.4	222	28.3	8.1	8.1	21.5	21.5	82.9	82.9	5.7	5.7	5.1	10	81	819428	806012	<0.2	<0.2	1.6	1.2						
						1.0	0.4	239	28.3	8.1	8.1	21.5	21.5	82.8	82.9	5.7	5.7	5.2	8	82	819428	806012	<0.2	<0.2	1.6	1.2						
					Middle	4.7	0.4	227	28.2	8.1	8.1	22.9	22.9	82.3	82.3	5.7	5.7	6.8	9	87	819428	806012	<0.2	<0.2	1.1	1.1						
						4.7	0.4	238	28.2	8.1	8.1	22.9	22.9	82.3	82.3	5.7	5.7	6.7	9	87	819428	806012	<0.2	<0.2	1.1	1.1						
					Bottom	8.4	0.3	216	28.1	8.1	8.1	24.1	24.1	85.5	85.6	5.8	5.8	6.9	9	92	819428	806012	<0.2	<0.2	0.8	0.8						
						8.4	0.4	226	28.1	8.1	8.1	24.1	24.1	85.7	85.6	5.9	5.9	6.8	9	92	819428	806012	<0.2	<0.2	0.9	0.9						
IM4	Fine	Moderate	13:06	8.5	Surface	1.0	0.3	195	28.5	8.1	8.1	21.2	21.2	82.9	82.9	5.7	5.7	6.1	3	77	819569	805028	<0.2	<0.2	1.5	1.2						
						1.0	0.4	213	28.5	8.1	8.1	21.2	21.2	82.8	82.8	5.7	5.7	6.2	3	77	819569	805028	<0.2	<0.2	1.3	1.2						
					Middle	4.3	0.5	194	28.1	8.1	8.1	23.4	23.4	81.2	81.3	5.6	5.6	10.8	4	80	819569	805028	<0.2	<0.2	1.2	1.2						
						4.3	0.5	205	28.1	8.1	8.1	23.4	23.4	81.3	81.3	5.6	5.6	11.0	4	80	819569	805028	<0.2	<0.2	1.2	1.2						
					Bottom	7.5	0.3	207	28.1	8.1	8.1	24.6	24.6	85.8	86.0	5.9	5.9	11.0	21	86	819569	805028	<0.2	<0.2	0.9	0.9						
						7.5	0.3	211	28.1	8.1	8.1	24.6	24.6	86.1	86.0	5.9	5.9	10.7	19	86	819569	805028	<0.2	<0.2	0.9	0.9						
IM5	Fine	Moderate	12:54	7.7	Surface	1.0	0.3	202	28.4	8.1	8.1	22.1	22.1	85.9	86.2	5.9	6.0	4.0	7	76	820549	804910	<0.2	<0.2	1.7	1.3						
						1.0	0.3	221	28.4	8.1	8.1	22.1	22.1	86.4	86.2	6.0	6.0	4.0	7	76	820549	804910	<0.2	<0.2	1.6	1.3						
					Middle	3.9	0.5	163	28.3	8.1	8.1	23.7	23.7	87.6	87.6	6.0	6.0	3.8	7	80	820549	804910	<0.2	<0.2	1.0	1.0						
						3.9	0.5	175	28.3	8.1	8.1	23.7	23.7	87.5	87.6	6.0	6.0	3.8	7	81	820549	804910	<0.2	<0.2	1.1	1.0						
					Bottom	6.7	0.4	164	28.2	8.1	8.1	25.0	25.0	87.8	87.9	6.0	6.0	8.5	7	85	820549	804910	<0.2	<0.2	1.0	1.0						
						6.7	0.4	173	28.2	8.1	8.1	25.0	25.0	87.9	87.9	6.0	6.0	8.6	8	84	820549	804910	<0.2	<0.2	1.2	1.2						
IM6	Fine	Moderate	12:42	7.9	Surface	1.0	0.2	191	28.5	8.0	8.0	19.5	19.4	80.4	80.4	5.6	5.6	8.2	4	78	821051	805808	<0.2	<0.2	2.3	1.7						
						1.0	0.2	193	28.4	8.0	8.0	19.2	19.4	80.3	80.4	5.6	5.6	8.4	5	78	821051	805808	<0.2	<0.2	2.2	1.7						
					Middle	4.0	0.4	184	28.2	8.1	8.1	22.6	22.6	79.2	79.2	5.5	5.5	12.2	5	82	821051	805808	<0.2	<0.2	1.8	1.0						
						4.0	0.4	187	28.2	8.1	8.1	22.6	22.6	79.1	79.2	5.5	5.5	12.4	4	82	821051											

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 July 17 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	14:13	8.1	Surface	1.0	0.8	152	29.0	8.1	8.1	15.5	15.5	72.4	72.4	5.1	8.0	6	86	10	86	90	822112	808814	<0.2	<0.2	1.9	1.8								
						1.0	0.9	165	29.0	8.1	8.1	15.5	15.5	72.4	72.4	5.1	8.0	7	86	10	86	90	822112	808814	<0.2	<0.2	1.7	1.8								
						4.1	0.7	142	28.1	8.1	8.1	19.9	19.9	71.8	71.8	5.0	13.0	7	91	11	91	90	822112	808814	<0.2	<0.2	1.8	1.8								
					4.1	0.7	155	28.1	8.1	8.1	19.9	19.9	71.8	71.8	5.0	13.0	7	90	11	90	90	822112	808814	<0.2	<0.2	1.8	1.8									
					7.1	0.3	87	28.3	8.2	8.2	22.7	22.7	73.7	73.7	5.1	16.3	9	94	13	94	90	822112	808814	<0.2	<0.2	1.9	1.8									
					7.1	0.3	89	28.3	8.2	8.2	22.7	22.7	73.7	73.7	5.1	16.3	8	92	12	92	90	822112	808814	<0.2	<0.2	1.6	1.8									
IM10	Sunny	Moderate	14:19	8.5	Surface	1.0	0.9	137	29.0	8.0	8.0	15.6	15.6	73.3	73.3	5.2	8.2	10	86	10	86	90	822236	809852	<0.2	<0.2	2.3	2.4								
						1.0	0.9	143	29.0	8.0	8.0	15.6	15.6	73.3	73.3	5.2	8.2	9	85	10	85	90	822236	809852	<0.2	<0.2	2.3	2.3								
						4.3	0.6	112	28.2	8.2	8.2	20.5	20.5	73.7	73.7	5.1	12.2	10	92	11	92	90	822236	809852	<0.2	<0.2	2.3	2.3								
					4.3	0.6	119	28.2	8.2	8.2	20.5	20.5	73.7	73.7	5.1	12.2	9	92	11	92	90	822236	809852	<0.2	<0.2	2.6	2.6									
					7.5	0.5	97	28.3	8.2	8.2	21.5	21.5	74.8	74.8	5.2	15.8	13	94	13	94	90	822236	809852	<0.2	<0.2	2.4	2.4									
					7.5	0.5	104	28.3	8.2	8.2	21.5	21.5	74.8	74.8	5.2	15.8	12	93	12	93	90	822236	809852	<0.2	<0.2	2.5	2.5									
IM11	Sunny	Moderate	14:28	8.8	Surface	1.0	0.8	114	28.7	8.1	8.1	15.8	15.8	73.6	73.6	5.2	8.9	7	86	10	86	89	821491	810539	<0.2	<0.2	2.7	2.3								
						1.0	0.8	123	28.7	8.1	8.1	15.8	15.8	73.6	73.6	5.2	8.9	9	86	10	86	89	821491	810539	<0.2	<0.2	2.7	2.3								
						4.4	0.6	107	28.3	8.2	8.2	19.7	19.7	73.9	73.9	5.2	11.3	11	90	11	90	89	821491	810539	<0.2	<0.2	2.4	2.3								
					4.4	0.7	113	28.3	8.2	8.2	19.7	19.7	73.9	73.9	5.2	11.3	12	91	12	91	89	821491	810539	<0.2	<0.2	2.3	2.3									
					7.8	0.4	90	28.4	8.2	8.2	20.7	20.7	76.3	76.3	5.3	12.8	14	92	14	92	89	821491	810539	<0.2	<0.2	1.9	1.9									
					7.8	0.4	91	28.4	8.2	8.2	20.7	20.7	76.4	76.4	5.3	12.3	15	91	15	91	89	821491	810539	<0.2	<0.2	1.9	1.9									
IM12	Sunny	Moderate	14:34	8.0	Surface	1.0	0.9	111	28.8	8.1	8.1	16.0	16.0	74.4	74.4	5.3	6.8	6	87	9	87	88	821180	811500	<0.2	<0.2	2.1	2.5								
						1.0	0.9	115	28.8	8.1	8.1	16.0	16.0	74.4	74.4	5.3	6.8	7	86	9	86	88	821180	811500	<0.2	<0.2	1.9	1.9								
						4.0	0.7	100	28.5	8.2	8.2	19.1	19.1	75.2	75.2	5.3	9.4	7	88	9	88	88	821180	811500	<0.2	<0.2	2.6	3.0								
					4.0	0.7	108	28.5	8.2	8.2	19.1	19.1	75.2	75.2	5.3	9.4	6	88	9	88	88	821180	811500	<0.2	<0.2	2.6	2.6									
					7.0	0.4	92	28.6	8.2	8.2	19.6	19.6	76.5	76.5	5.3	11.5	12	90	12	90	88	821180	811500	<0.2	<0.2	2.6	2.6									
					7.0	0.4	97	28.6	8.2	8.2	19.6	19.6	76.5	76.5	5.3	11.5	14	91	14	91	88	821180	811500	<0.2	<0.2	2.5	2.5									
SR2	Sunny	Moderate	15:10	5.0	Surface	1.0	0.6	63	28.5	8.2	8.2	19.1	19.1	73.6	73.6	5.1	13.7	17	89	17	89	90	821451	814166	<0.2	<0.2	1.9	2.0								
						1.0	0.7	66	28.5	8.2	8.2	19.1	19.1	73.6	73.6	5.1	13.7	17	90	17	90	90	821451	814166	<0.2	<0.2	2.2	2.2								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	821451	814166	<0.2	<0.2	1.9	1.9					
					4.0	0.5	50	28.4	8.2	8.2	19.9	19.9	73.6	73.6	5.1	16.3	22	91	22	91	90	821451	814166	<0.2	<0.2	1.8	1.8									
					4.0	0.5	50	28.4	8.2	8.2	19.9	19.9	73.6	73.6	5.1	16.3	22	91	22	91	90	821451	814166	<0.2	<0.2	1.9	1.9									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	821451	814166	<0.2	<0.2	1.8	1.8					
SR3	Sunny	Moderate	13:54	9.2	Surface	1.0	0.6	173	28.4	8.0	8.0	16.3	16.3	69.8	69.8	5.0	7.8	14	-	14	-	-	822137	807568	-	-	-	-								
						1.0	0.6	178	28.4	8.0	8.0	16.3	16.3	69.8	69.8	5.0	7.8	15	-	15	-	-	-	822137	807568	-	-	-	-							
						4.6	0.2	188	28.3	8.2	8.2	20.4	20.4	73.6	73.6	5.1	9.3	13	-	13	-	-	-	822137	807568	-	-	-	-							
					4.6	0.2	191	28.3	8.2	8.2	20.4	20.4	73.6	73.6	5.1	9.3	13	-	13	-	-	-	822137	807568	-	-	-	-								
					8.2	0.1	6	28.3	8.2	8.2	22.8	22.8	75.8	75.8	5.2	13.4	14	-	14	-	-	-	822137	807568	-	-	-	-								
					8.2	0.1	6	28.3	8.2	8.2	22.8	22.8	75.8	75.8	5.2	13.4	14	-	14	-	-	-	822137	807568	-	-	-	-								
SR4A	Fine	Calm	14:08	8.5	Surface	1.0	0.2	50	28.5	8.1	8.1	22.4	22.4	79.2	79.2	5.4	9.6	15	-	15	-	-	817200	807818	-	-	-	-								
						1.0	0.2	54	28.5	8.1	8.1	22.4	22.4	79.2	79.2	5.4	9.7	14	-	14	-	-	-	817200	807818	-	-	-	-							
						4.3	0.3	59	28.2	8.1	8.1	24.0	24.0	78.7	78.7	5.4	10.8	17	-	17	-	-	-	817200	807818	-	-	-	-							
					4.3	0.3	60	28.2	8.1	8.1	24.0	24.0	78.6	78.6	5.4	10.8	18	-	18	-	-	-	817200	807818	-	-	-	-								
					7.5	0.2	62	28.1	8.1	8.1	24.4	24.4	79.1	79.1	5.4	11.9	21	-	21	-	-	-	817200	807818	-	-	-	-								
					7.5	0.2	65	28.2	8.1	8.1	24.3	24.3	79.5	79.5	5.4	11.7	23	-	23	-	-	-	817200	807818	-	-	-	-								
SR5A	Fine	Calm	14:24	4.3	Surface	1.0	0.1	293	28.5	8.0	8.0	19.5	19.5	81.6	81.6	5.7	10.0	12	-	12	-	-	816599	810703	-	-	-	-								
						1.0	0.1	306	28.5	8.0	8.0	19.5	19.5	81.8	81.8	5.7	10.0	14	-	14	-	-	-	816599	810703	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816599	810703	-	-	-	-						
					3.3	0.0	31	28.6	8.0	8.0	19.7	19.7	87.9	87.9	6.1	8.7	12	-	12	-	-	-	816599	810703	-	-	-	-								
					3.3	0.0	32	28.6	8.0	8.0	19.7	19.7	88.3	88.3	6.1	8.6	13	-	13	-	-	-	816599	810703	-	-	-	-								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816599	810703	-	-	-	-						
SR6	Fine	Calm	14:52	4.3	Surface	1.0	0.1	140	28.5	8.0	8.0	18.4	18.4	86.0	86.0	6.0	18	-	18	-	-	-	817917	814653	-	-	-	-								
						1.0	0.1	143	28.5	8.0	8.0	18.4	18.4	86.1	86.1	6.0	18	-	18	-	-	-	-	817917	814653	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817917	814653	-	-	-	-						
					3.3	0.1	90	28.5	8.0																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 July 17 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
C1	Fine	Moderate	07:39	8.9	Surface	1.0	0.7	37	28.0	28.0	8.0	8.0	20.6	20.6	78.0	78.1	5.4	6.5	9	78	82	815624	804255	<0.2	1.9	<0.2	1.5		
						1.0	0.7	40	28.0	8.0	8.0	20.5	20.6	78.2	78.1	5.5	6.7	8	77	81									
					Middle	4.5	0.9	43	28.1	28.1	8.1	8.1	23.5	23.6	79.5	79.6	5.5	9.4	12	81	81								
						4.5	0.9	46	28.1	28.1	8.1	8.1	23.6	23.6	79.6	79.6	5.5	9.8	13	81	81								
					Bottom	7.9	0.8	35	28.1	28.1	8.1	8.1	24.0	24.0	80.2	80.2	5.5	11.9	21	87	87								
						7.9	0.8	36	28.1	28.1	8.1	8.1	24.0	24.0	80.2	80.2	5.5	11.8	23	87	87								
C2	Sunny	Moderate	08:14	11.2	Surface	1.0	0.6	356	28.0	28.0	7.9	7.9	14.6	14.6	58.9	58.9	4.3	9.6	14	85	87	825666	806930	<0.2	2.4	<0.2	2.3		
						1.0	0.7	328	28.0	28.0	7.9	7.9	14.6	14.6	58.9	58.9	4.3	9.6	14	85	87								
					Middle	5.6	0.5	2	27.9	27.9	8.0	8.0	17.4	17.4	61.5	61.5	4.4	12.1	14	86	87								
						5.6	0.5	2	27.9	27.9	8.0	8.0	17.4	17.4	61.5	61.5	4.4	12.1	14	87	87								
					Bottom	10.2	0.6	329	27.7	27.7	7.9	7.9	20.4	20.4	65.3	65.3	4.6	17.5	13	90	89								
						10.2	0.6	331	27.7	27.7	7.9	7.9	20.4	20.4	65.3	65.3	4.6	17.5	13	89	89								
C3	Sunny	Moderate	05:51	11.4	Surface	1.0	0.6	277	27.9	27.9	7.9	7.9	17.1	17.1	66.4	66.4	4.7	6.3	12	89	92	822108	817788	<0.2	2.4	<0.2	2.1		
						1.0	0.7	281	27.9	27.9	7.9	7.9	17.1	17.1	66.4	66.4	4.7	6.3	10	90	91								
					Middle	5.7	0.5	274	27.8	27.8	7.9	7.9	19.6	19.6	64.4	64.4	4.5	6.3	11	91	91								
						5.7	0.5	281	27.8	27.8	7.9	7.9	19.6	19.6	64.4	64.4	4.5	6.3	10	91	91								
					Bottom	10.4	0.3	270	27.2	27.2	7.9	7.9	23.6	23.6	64.9	64.9	4.5	6.1	13	94	94								
						10.4	0.3	276	27.2	27.2	7.9	7.9	23.6	23.6	64.9	64.9	4.5	6.1	12	94	94								
IM1	Fine	Moderate	07:55	8.1	Surface	1.0	0.6	4	28.0	28.0	8.0	8.0	18.4	18.4	77.9	78.0	5.5	8.7	5	81	84	818357	806471	<0.2	1.5	<0.2	1.4		
						1.0	0.6	4	28.0	28.0	8.0	8.0	18.4	18.4	78.0	78.0	5.5	8.9	4	81	84								
					Middle	4.1	0.6	3	28.1	28.1	8.0	8.0	19.4	19.4	79.4	79.7	5.6	11.8	4	84	84								
						4.1	0.7	3	28.1	28.1	8.0	8.0	19.4	19.4	79.9	79.7	5.6	13.5	3	84	84								
					Bottom	7.1	0.6	2	28.1	28.1	8.0	8.0	21.8	21.8	83.8	83.8	5.8	14.6	18	88	88								
						7.1	0.6	2	28.1	28.1	8.0	8.0	21.8	21.8	83.8	83.8	5.8	14.6	19	88	88								
IM2	Fine	Moderate	08:00	9.2	Surface	1.0	0.6	24	28.0	28.0	8.0	8.0	18.5	18.5	76.2	76.3	5.4	7.0	4	77	81	818857	806179	<0.2	1.5	<0.2	1.3		
						1.0	0.6	24	28.0	28.0	8.0	8.0	18.5	18.5	76.4	76.3	5.4	7.4	4	77	81								
					Middle	4.6	0.6	36	28.0	28.0	8.0	8.0	18.9	18.9	78.4	78.5	5.5	11.1	3	81	81								
						4.6	0.7	36	28.0	28.0	8.0	8.0	18.9	18.9	78.6	78.5	5.5	11.3	3	81	81								
					Bottom	8.2	0.6	38	28.1	28.1	8.1	8.1	22.3	22.3	81.4	81.5	5.6	13.3	10	85	85								
						8.2	0.6	39	28.1	28.1	8.1	8.1	22.3	22.3	81.5	81.5	5.6	13.2	10	85	85								
IM3	Fine	Moderate	08:07	9.5	Surface	1.0	0.6	23	28.0	28.0	8.0	8.0	18.5	18.5	75.8	75.9	5.4	6.7	4	78	83	819391	806001	<0.2	1.6	<0.2	1.4		
						1.0	0.6	23	28.0	28.0	8.0	8.0	18.5	18.5	75.9	75.9	5.4	6.9	4	78	83								
					Middle	4.8	0.6	36	28.0	28.0	8.0	8.1	19.3	19.3	77.6	77.8	5.5	12.4	3	85	84								
						4.8	0.6	38	28.0	28.0	8.1	8.1	19.3	19.3	77.9	77.9	5.5	13.7	3	84	84								
					Bottom	8.5	0.6	32	28.1	28.1	8.1	8.1	22.5	22.5	80.0	80.5	5.5	17.5	22	87	88								
						8.5	0.6	32	28.1	28.1	8.1	8.1	22.5	22.5	80.9	80.5	5.6	16.7	22	88	88								
IM4	Fine	Moderate	08:15	8.8	Surface	1.0	0.5	349	28.0	28.0	8.0	8.0	17.3	17.3	73.7	73.8	5.2	5.5	4	75	81	819586	805031	<0.2	1.5	<0.2	1.2		
						1.0	0.5	321	28.0	28.0	8.0	8.0	17.3	17.3	73.8	73.8	5.3	5.6	3	76	81								
					Middle	4.4	0.7	8	27.9	27.9	8.0	8.0	17.9	17.9	74.9	75.1	5.3	6.2	5	82	81								
						4.4	0.7	8	27.9	27.9	8.0	8.0	17.9	17.9	75.2	75.3	5.3	6.5	4	81	81								
					Bottom	7.8	0.6	3	28.0	28.0	8.1	8.1	23.5	23.5	80.0	80.2	5.5	19.1	16	86	86								
						7.8	0.6	3	28.0	28.0	8.1	8.1	23.5	23.5	80.3	80.3	5.5	16.8	16	85	85								
IM5	Fine	Moderate	08:23	7.8	Surface	1.0	0.8	23	28.0	28.0	8.0	8.0	17.5	17.5	74.7	74.8	5.3	8.1	3	75	79	820573	804925	<0.2	1.7	<0.2	1.5		
						1.0	0.8	23	28.0	28.0	8.0	8.0	17.5	17.5	74.8	74.8	5.3	8.2	4	75	79								
					Middle	3.9	0.8	24	28.0	28.0	8.1	8.1	23.1	23.1	77.5	77.5	5.3	17.6	6	79	79								
						3.9	0.9	25	28.0	28.0	8.1	8.1	23.1	23.1	77.5	77.5	5.3	17.3	6	79	79								
					Bottom	6.8	0.7	25	28.0	28.0	8.1	8.1	23.5	23.5	78.0	78.1	5.4	25.1	5	83	83								
						6.8	0.8	27	28.0	28.0	8.1	8.1	23.5	23.5	78.1	78.1	5.4	25.6	5	83	83								
IM6	Fine	Moderate	08:32	8.2	Surface	1.0	0.4	19	28.0	28.0	8.0	8.0	19.3	19.4	75.9	75.9	5.3	7.9	7	77	81	821058	805822	<0.2	1.5	<0.2	1.3		
						1.0	0.4	19	28.0	28.0	8.0	8.0	19.4	19.4	75.9	75.9	5.3	8.0	6	77	81								
					Middle	4.1	0.4	26	28.0	28.0	8.1	8.1	19.9	19.9	77.4	77.5	5.4	9.1	8	81	80								
						4.1	0.4	28	28.0	28.0	8.1	8.1	19.9	19.9	77.5	77.5	5.4	9.1	6	80	80								
					Bottom	7.2	0.4	41	28.0	28.0	8.0	8.0	20.1	20.1	81.8	82.0	5.7	9.0	8	85	85								
						7.2	0.5	43	28.0	28.0	8.0	8.0	20.0	20.1	82.1	82.0	5.8	9.1	8	86	86								
IM7	Sunny	Moderate	07:46	7.6	Surface	1.0	0.2	333	28.1	28.1	7.9	7.9	12.1	12.1	63.0	63.0	4.6	8.7	5	79	83	821352	806820	<0.2	2.4	<0.2	2.4		
						1.0	0.2	347	28.1	28.1	7.9	7.9	12.1	12.1	63.0	63.0	4.6	8.7	6	80	81								
					Middle	3.8	0.5	10	28.0	28.0	8.0	8.0	14.7	14.7	65.6	65.6	4.7	10.4	6	81	81								
						3.8	0.5	10	28.0	28.0	8.0	8.0	14.7	14.7	65.6	65.6	4.7	10.4	6	81	81								
					Bottom	6.6	0.6	18	28.2	28.2	8.2	8.2	20.8	20.8	69.8	69.8	4.9	16.1	6	88	88								
						6.6	0.6	18	28.2	28.2	8.2	8.2	20.8	20.8	69.8	69.8	4.9	16.1	7	89	89								
IM8	Sunny	Moderate	07:31	8.7	Surface	1.0	0.2	6	28.0	28.0	7.8	7.8	12.0	12.0	68.2	68.2	4.8	7.9	6	84	85	821683	807848	<0.2	2.6	<0.2	2.6		
						1.0	0.2	6	28.0	28.0	7.8	7.8	12.0	12.0	68.2	68.2	4.8	7.9	4	84	84								
					Middle	4.4	0.2	29	28.0	28.0	7.9	7.9	14.0	14.0	59.7	59.7	4.3	10.1	6	84	84								
						4.4	0.2	31	28.0	28.0	7.9	7.9	14.0	14.0	59.7	59.7	4.3	10.1	5	85	85								
					Bottom	7.7	0.2	11	28.0	28.0	7.9	7.9	14.3	14.3	60.2	60.2	4.4	10.7	9	86	86								
						7.7	0.2	11	28.0	28.0	7.9	7.9	14.3	14.3	60.2														



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

Water Quality Monitoring

Water Quality Monitoring Results on 27 July 17 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
C1	Rainy	Moderate	15:10	9.4	Surface	1.0	0.4	259	28.6	8.1	8.1	21.5	21.5	80.5	80.4	5.5	6.0	6	81	85	815615	804235	<0.2	1.4	1.1											
						1.0	0.4	279	28.6	8.1	8.1	21.5	21.5	80.3	80.4	5.5	6.0	6	80	85																
					Middle	4.7	0.5	248	28.4	28.4	8.1	8.1	24.8	24.8	80.3	80.4	5.5	6.0	6	85	86															
						4.7	0.5	265	28.4	28.4	8.1	8.1	24.8	24.8	80.5	80.4	5.5	6.2	5	86	90															
					Bottom	8.4	0.5	241	28.3	28.3	8.1	8.1	26.0	26.0	82.7	83.3	5.6	6.5	6	90	90															
						8.4	0.5	261	28.3	28.3	8.1	8.1	25.9	26.0	83.9	83.3	5.7	6.4	6	90	90															
C2	Cloudy	Moderate	14:32	12.3	Surface	1.0	0.5	181	29.2	7.9	7.9	14.1	14.1	64.0	64.0	4.5	8.8	4	84	88	825666	806946	<0.2	2.4	2.3											
						1.0	0.5	196	29.2	7.9	7.9	14.1	14.1	64.0	64.0	4.5	8.8	5	84	87																
					Middle	6.2	0.4	172	28.6	28.6	8.0	8.0	18.3	18.3	60.9	60.9	4.3	10.5	4	87	88															
						6.2	0.4	185	28.6	28.6	8.0	8.0	18.3	18.3	60.9	60.9	4.3	10.5	5	88	94															
					Bottom	11.3	0.4	147	27.9	27.9	7.9	7.9	23.7	23.7	60.0	60.0	4.1	12.7	8	94	93															
						11.3	0.4	159	27.9	27.9	7.9	7.9	23.7	23.7	60.0	60.0	4.1	12.7	8	93	93															
C3	Cloudy	Moderate	17:11	12.2	Surface	1.0	0.1	294	28.3	8.0	8.0	20.7	20.7	62.7	62.7	4.4	9.6	9	91	93	822097	817810	<0.2	1.4	1.3											
						1.0	0.1	323	28.3	28.3	8.0	8.0	20.7	20.7	62.7	62.7	4.4	9.6	9	90	91															
					Middle	6.1	0.2	332	28.2	28.2	8.0	8.0	21.1	21.1	60.3	60.3	4.2	10.9	8	91	92															
						6.1	0.2	352	28.2	28.2	8.0	8.0	21.1	21.1	60.3	60.3	4.2	10.9	8	92	96															
					Bottom	11.2	0.1	143	27.5	27.5	8.0	8.0	25.5	25.5	61.9	61.9	4.2	12.7	9	96	95															
						11.2	0.1	148	27.5	27.5	8.0	8.0	25.5	25.5	61.9	61.9	4.2	12.7	7	95	95															
IM1	Cloudy	Moderate	14:49	7.9	Surface	1.0	0.2	210	28.7	8.1	8.1	21.3	21.3	78.5	78.3	5.4	8.2	5	80	86	818339	806438	<0.2	1.5	1.0											
						1.0	0.2	215	28.7	28.7	8.1	8.1	21.3	21.3	78.1	78.3	5.4	8.8	6	80	87															
					Middle	4.0	0.2	188	28.4	28.4	8.1	8.1	24.7	24.7	77.0	77.2	5.2	13.4	6	86	87															
						4.0	0.2	204	28.4	28.4	8.1	8.1	24.7	24.7	77.3	77.2	5.2	13.5	5	87	90															
					Bottom	6.9	0.2	176	28.4	28.4	8.1	8.1	24.9	24.9	79.5	80.0	5.4	14.7	14	90	90															
						6.9	0.2	187	28.4	28.4	8.1	8.1	24.9	24.9	80.5	80.0	5.4	14.8	15	90	90															
IM2	Cloudy	Moderate	14:44	9.2	Surface	1.0	0.2	193	28.8	8.1	8.1	20.1	20.1	81.0	81.0	5.6	5.0	4	82	82	818870	806208	<0.2	1.7	1.2											
						1.0	0.2	200	28.7	28.8	8.1	8.1	20.1	20.1	81.0	81.0	5.6	5.1	6	82	87															
					Middle	4.6	0.1	228	28.5	28.5	8.1	8.1	23.8	23.8	80.1	80.1	5.4	6.0	5	87	87															
						4.6	0.1	243	28.5	28.5	8.1	8.1	23.8	23.8	80.1	80.1	5.4	6.1	5	87	92															
					Bottom	8.2	0.1	215	28.4	28.4	8.1	8.1	24.6	24.6	83.8	83.9	5.7	7.1	7	92	91															
						8.2	0.1	216	28.4	28.4	8.1	8.1	24.6	24.6	84.0	83.9	5.7	7.0	6	91	91															
IM3	Cloudy	Moderate	14:36	9.3	Surface	1.0	0.2	186	29.1	8.1	8.1	18.8	18.8	79.7	79.7	5.5	7.8	7	79	83	819427	806026	<0.2	1.9	1.4											
						1.0	0.2	198	29.0	29.1	8.1	8.1	18.8	18.8	79.7	79.7	5.5	8.0	6	79	83															
					Middle	4.7	0.2	222	28.5	28.5	8.1	8.1	22.8	22.8	78.0	78.1	5.3	11.1	8	83	83															
						4.7	0.2	230	28.5	28.5	8.1	8.1	22.8	22.8	78.1	78.1	5.3	11.5	6	83	86															
					Bottom	8.3	0.0	160	28.4	28.4	8.1	8.1	24.9	24.9	79.8	80.4	5.4	12.1	14	86	86															
						8.3	0.0	164	28.4	28.4	8.1	8.1	24.8	24.9	80.9	80.4	5.5	11.9	16	86	92															
IM4	Cloudy	Moderate	14:28	8.5	Surface	1.0	0.2	205	28.8	8.1	8.1	19.5	19.6	78.7	78.4	5.4	9.4	6	83	83	819550	805045	<0.2	1.8	1.3											
						1.0	0.2	222	28.8	28.8	8.1	8.1	19.6	19.6	78.1	78.4	5.4	10.2	5	83	89															
					Middle	4.3	0.3	186	28.4	28.4	8.1	8.1	24.0	24.0	77.3	77.5	5.3	14.0	7	89	89															
						4.3	0.3	203	28.4	28.4	8.1	8.1	23.9	23.9	77.6	77.6	5.3	14.5	8	89	92															
					Bottom	7.5	0.3	166	28.3	28.3	8.1	8.1	24.9	24.9	81.4	81.5	5.5	14.1	16	92	92															
						7.5	0.3	169	28.3	28.3	8.1	8.1	24.9	24.9	81.6	81.5	5.5	14.0	16	92	92															
IM5	Cloudy	Moderate	14:16	7.8	Surface	1.0	0.3	196	28.8	8.0	8.0	19.6	19.6	76.8	76.8	5.3	10.9	7	78	82	820549	804939	<0.2	1.6	1.3											
						1.0	0.3	196	28.8	28.8	8.0	8.0	19.6	19.6	76.7	76.8	5.3	11.2	7	78	82															
					Middle	3.9	0.3	200	28.4	28.4	8.1	8.1	24.2	24.2	75.6	75.6	5.1	16.2	8	82	85															
						3.9	0.3	200	28.4	28.4	8.1	8.1	24.1	24.2	75.6	75.6	5.1	16.2	9	82	85															
					Bottom	6.8	0.2	175	28.3	28.3	8.1	8.1	24.7	24.7	77.4	77.7	5.3	25.1	24	85	85															
						6.8	0.2	177	28.3	28.3	8.1	8.1	24.7	24.7	78.0	77.7	5.3	25.3	24	85	85															
IM6	Cloudy	Moderate	14:08	7.6	Surface	1.0	0.2	221	29.1	8.0	8.0	17.5	17.5	78.1	78.0	5.4	8.7	8	80	86	821078	805838	<0.2	2.2	1.7											
						1.0	0.2	240	29.0	29.1	8.0	8.0	17.5	17.5	77.8	78.0	5.4	9.2	7	80	86															
					Middle	3.8	0.1	124	28.7	28.7	8.0	8.0	20.7	20.7	76.7	76.6	5.3	11.0	9	86	89															
						3.8	0.1	132	28.7	28.7	8.0	8.0	20.6	20.7	76.5	76.6	5.3	11.6	9	86	89															
					Bottom	6.6	0.2	145	28.4	28.4	8.0	8.0	24.1	24.1	76.2	76.4	5.2	13.1	9	89	90															
						6.6	0.2	148	28.4	28.4	8.0	8.0	24.1	24.1	76.6	76.4	5.2	12.6	11	90	90															
IM7	Cloudy	Moderate	15:01	8.4	Surface	1.0	0.1	182	29.2	8.1	8.1	16.8	16.8	77.0	77.0	5.4	8.6	5	86	91	821337	806829	<0.2	3.0	2.4											
						1.0	0.2	194	29.2	29.2	8.1	8.1	16.8	16.8	77.0	77.0	5.4	8.6	4	85	91															
					Middle	4.2	0.3	123	29.0	29.0	8.2	8.2	20.5	20.5	75.8	75.8	5.2	11.6	7	91	90															
						4.2	0.3	130	29.0	29.0	8.2	8.2	20.5	20.5	75.8	75.8	5.2	11.6	6	90	94															
					Bottom	7.4	0.2	106	28.6	28.6	8.2	8.2	23.7	23.7	74.2	74.2	5.0	15.4	6	94	93															
						7.4	0.2	106	28.6	28.6	8.2	8.2	23.7	23.7	74.2	74.2	5.0	15.4	6	93	93															
IM8	Cloudy	Moderate	15:19	8.5	Surface	1.0	0.3	158	29.0	8.0	8.0	15.0	15.0	69.2	69.2	4.9	9.4	4	86	88	821680	807835	<0.2	2.3	2.3											
						1.0	0.3	171	29.0	29.0	8.0	8.0	15.0	15.0	69.2	69.2	4.9	9.4	4	87	88															
					Middle	4.3	0.2	81	28.9	28.9	8.1	8.1	19.3	19.3	73.6	73.6	5.1	13.1	5	88	89															
						4.3	0.2	87	28.9	28.9	8.1	8.1	19.3	19.3	73.6	73.6	5.1	13.1	6	88	94															
					Bottom	7.5	0.1	75	28.8	28.8	8.1	8.1	23.7	23.7	75.0	75.0	5.1	10.9	6	94	93															
						7.5	0.1	75	28.8	28.8	8.1	8.1	23.7	23.7																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 July 17 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	Cloudy	Moderate	15:34	6.7	Surface	1.0	0.5	113	28.9	8.1	8.1	15.9	15.9	71.1	71.1	5.0	5.0	11.6	11.6	6	6	87	87	89	89	822090	808824	<0.2	<0.2	2.0	2.0					
						1.0	0.5	117	28.9	28.9	8.1	8.1	15.9	15.9	71.1	71.1	5.0	5.0	11.6	11.6	7	7	87	87	88	88	<0.2	<0.2	1.9	1.9						
						3.4	0.4	95	28.8	28.8	8.2	8.2	19.4	19.4	72.2	72.2	5.0	5.0	14.4	14.4	5	5	88	88	89	89	<0.2	<0.2	2.1	2.1						
					Middle	3.4	0.4	104	28.8	28.8	8.2	8.2	19.4	19.4	72.2	72.2	5.0	5.0	14.4	14.4	5	5	89	89	91	91	89	89	<0.2	<0.2	1.8	1.8				
						5.7	0.3	78	28.7	28.7	8.2	8.2	22.8	22.8	74.6	74.6	5.1	5.1	16.8	16.8	4	4	88	88	91	91	89	89	<0.2	<0.2	2.2	2.2				
						5.7	0.3	84	28.7	28.7	8.2	8.2	22.8	22.8	74.6	74.6	5.1	5.1	16.8	16.8	7	7	89	89	91	91	89	89	<0.2	<0.2	2.1	2.1				
IM10	Cloudy	Moderate	15:41	6.7	Surface	1.0	0.6	130	29.2	8.0	8.0	15.0	15.0	71.5	71.5	5.1	5.1	9.2	9.2	5	5	83	83	87	87	822252	809848	<0.2	<0.2	2.3	2.3					
						1.0	0.7	139	29.2	29.2	8.0	8.0	15.0	15.0	71.5	71.5	5.1	5.1	9.2	9.2	4	4	84	84	88	88	<0.2	<0.2	2.2	2.2						
						3.4	0.5	95	28.8	28.8	8.1	8.1	18.8	18.8	69.6	69.7	4.8	4.8	11.6	11.6	4	4	87	87	88	88	<0.2	<0.2	2.4	2.4						
					Middle	3.4	0.5	96	28.8	28.8	8.1	8.1	18.8	18.8	69.7	69.7	4.9	4.9	11.6	11.6	3	3	88	88	91	91	87	87	<0.2	<0.2	2.5	2.5				
						5.7	0.3	83	28.8	28.8	8.2	8.2	20.1	20.1	74.7	74.7	5.2	5.2	14.2	14.2	4	4	88	88	91	91	87	87	<0.2	<0.2	2.2	2.2				
						5.7	0.3	85	28.8	28.8	8.2	8.2	20.1	20.1	74.7	74.7	5.2	5.2	14.2	14.2	4	4	89	89	91	91	87	87	<0.2	<0.2	2.4	2.4				
IM11	Cloudy	Moderate	15:50	8.3	Surface	1.0	0.6	126	29.2	29.2	8.0	8.0	15.1	15.1	71.9	71.9	5.1	5.1	8.3	8.3	3	3	86	86	88	88	821505	810526	<0.2	<0.2	2.5	2.5				
						1.0	0.6	136	29.2	29.2	8.0	8.0	15.1	15.1	71.9	71.9	5.1	5.1	8.3	8.3	2	2	86	86	88	88	<0.2	<0.2	2.5	2.5						
						4.2	0.5	111	28.9	28.9	8.1	8.1	17.7	17.7	69.2	69.2	4.8	4.8	11.6	11.6	4	4	87	87	89	89	<0.2	<0.2	2.2	2.2						
					Middle	4.2	0.5	113	28.9	28.9	8.1	8.1	17.7	17.7	69.2	69.2	4.8	4.8	11.6	11.6	4	4	87	87	91	91	88	88	<0.2	<0.2	2.1	2.1				
						7.3	0.3	88	28.8	28.8	8.2	8.2	20.3	20.3	71.7	71.7	4.9	4.9	16.7	16.7	5	5	92	92	91	91	88	88	<0.2	<0.2	2.2	2.2				
						7.3	0.3	95	28.8	28.8	8.2	8.2	20.3	20.3	71.7	71.7	4.9	4.9	16.7	16.7	5	5	91	91	91	91	88	88	<0.2	<0.2	2.3	2.3				
IM12	Cloudy	Moderate	15:57	8.6	Surface	1.0	0.7	113	29.2	29.2	8.0	8.0	15.6	15.6	72.1	72.1	5.1	5.1	8.1	8.1	4	4	86	86	88	88	821177	811523	<0.2	<0.2	2.2	2.2				
						1.0	0.8	121	29.2	29.2	8.0	8.0	15.6	15.6	72.1	72.1	5.1	5.1	8.1	8.1	6	6	86	86	88	88	<0.2	<0.2	2.2	2.2						
						4.3	0.6	94	28.9	28.9	8.1	8.1	18.0	18.0	70.5	70.5	4.9	4.9	12.0	12.0	5	5	88	88	89	89	<0.2	<0.2	2.4	2.4						
					Middle	4.3	0.6	100	28.9	28.9	8.1	8.1	18.0	18.0	70.5	70.5	4.9	4.9	12.0	12.0	6	6	88	88	91	91	88	88	<0.2	<0.2	2.6	2.6				
						7.6	0.4	96	29.0	29.0	8.2	8.2	19.1	19.1	71.8	71.8	5.0	5.0	15.9	15.9	6	6	89	89	91	91	88	88	<0.2	<0.2	2.4	2.4				
						7.6	0.4	98	29.0	29.0	8.2	8.2	19.1	19.1	71.8	71.8	5.0	5.0	15.9	15.9	6	6	89	89	91	91	88	88	<0.2	<0.2	2.4	2.4				
SR2	Cloudy	Moderate	16:51	4.5	Surface	1.0	0.4	75	28.8	28.8	8.1	8.1	18.5	18.5	68.1	68.1	4.7	4.7	16.2	16.2	4	4	88	88	89	89	821459	814174	<0.2	<0.2	2.2	2.2				
						1.0	0.5	77	28.8	28.8	8.1	8.1	18.5	18.5	68.1	68.1	4.7	4.7	16.4	16.4	4	4	89	89	91	91	88	88	<0.2	<0.2	2.4	2.4				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.5	0.3	74	28.8	28.8	8.2	8.2	19.5	19.5	68.5	68.5	4.8	4.8	18.1	18.1	7	7	89	89	90	90	88	88	<0.2	<0.2	2.4	2.4				
SR3	Cloudy	Moderate	15:13	9.5	Surface	1.0	0.3	171	28.9	28.9	8.0	8.0	14.6	14.6	69.0	69.0	4.9	4.9	9.5	9.5	5	5	-	-	-	-	822140	807566	-	-	-	-				
						1.0	0.4	186	28.9	28.9	8.0	8.0	14.6	14.6	69.0	69.0	4.9	4.9	9.5	9.5	5	5	-	-	-	-	-	-	-	-	-	-	-			
						4.8	0.2	111	28.8	28.8	8.1	8.1	18.9	18.9	72.4	72.4	5.0	5.0	12.8	12.8	4	4	-	-	-	-	-	-	-	-	-	-	-			
					Middle	4.8	0.2	117	28.8	28.8	8.1	8.1	18.9	18.9	72.4	72.4	5.0	5.0	12.8	12.8	4	4	-	-	-	-	-	-	-	-	-	-	-	-		
						8.5	0.2	37	28.7	28.7	8.1	8.1	23.1	23.1	74.0	74.0	5.0	5.0	15.1	15.1	5	5	-	-	-	-	-	-	-	-	-	-	-	-		
						8.5	0.2	37	28.7	28.7	8.1	8.1	23.1	23.1	74.0	74.0	5.0	5.0	15.1	15.1	5	5	-	-	-	-	-	-	-	-	-	-	-	-		
SR4A	Cloudy	Calm	15:35	9.1	Surface	1.0	0.2	87	28.8	28.8	8.0	8.0	22.0	22.0	77.9	77.9	5.3	5.3	12.5	12.5	8	8	-	-	-	-	817169	807814	-	-	-	-				
						1.0	0.2	90	28.8	28.8	8.0	8.0	22.0	22.0	77.9	77.9	5.3	5.3	12.6	12.6	9	9	-	-	-	-	-	-	-	-	-	-				
						4.6	0.2	77	28.5	28.5	8.1	8.1	24.1	24.1	76.9	76.9	5.2	5.2	17.0	17.0	8	8	-	-	-	-	-	-	-	-	-	-				
					Middle	4.6	0.2	80	28.5	28.5	8.1	8.1	24.1	24.1	76.9	76.9	5.2	5.2	17.1	17.1	8	8	-	-	-	-	-	-	-	-	-	-	-			
						8.1	0.2	94	28.4	28.4	8.1	8.1	24.9	24.9	80.5	80.5	5.4	5.4	18.9	18.9	15	15	-	-	-	-	-	-	-	-	-	-				
						8.1	0.2	95	28.4	28.4	8.1	8.1	24.9	24.9	80.7	80.7	5.5	5.5	19.0	19.0	15	15	-	-	-	-	-	-	-	-	-					
SR5A	Cloudy	Calm	15:52	5.2	Surface	1.0	0.1	110	29.1	29.1	8.0	8.0	18.5	18.5	75.0	75.0	5.2	5.2	14.0	14.0	6	6	-	-	-	-	816607	810691	-	-	-	-				
						1.0	0.1	116	29.1	29.1	8.0	8.0	18.5	18.5	74.9	74.9	5.2	5.2	14.0	14.0	7	7	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						4.2	0.0	93	28.8	28.8	8.0	8.0	20.1	20.1	74.6	74.6	5.1	5.1	16.4	16.4	12	1														

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 July 17 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
C1	Cloudy	Moderate	09:25	9.3	Surface	1.0	0.4	38	28.5	8.0	8.0	17.4	17.4	74.8	74.8	5.3	7.4	2	79	84	84	815611	804240	<0.2	1.8	1.5	1.5								
						1.0	0.4	38	28.5	28.5	8.0	8.0	17.4	17.4	74.8	74.8	5.3	7.5	2	79	84	84	815611	804240	<0.2	2.0	1.5	1.5							
						4.7	0.5	32	28.5	28.5	8.1	8.1	22.4	22.5	75.1	75.1	5.1	9.9	5	84	84	84	815611	804240	<0.2	1.6	1.5	1.5							
					Middle	4.7	0.5	32	28.5	28.5	8.1	8.1	22.5	22.5	75.1	75.1	5.1	10.4	6	84	84	84	815611	804240	<0.2	1.5	1.5	1.5							
						8.3	0.5	30	28.4	28.4	8.1	8.1	25.2	25.2	76.2	76.2	5.1	24.1	4	89	89	89	815611	804240	<0.2	1.0	1.0	1.0							
						8.3	0.5	30	28.4	28.4	8.1	8.1	25.2	25.2	76.2	76.2	5.1	23.7	6	88	88	88	815611	804240	<0.2	1.0	1.0	1.0							
C2	Cloudy	Moderate	09:57	12.3	Surface	1.0	0.4	359	28.6	28.6	7.8	7.8	13.7	13.7	61.7	61.8	4.4	9.2	5	83	86	825675	806952	<0.2	2.5	2.3	2.3								
						1.0	0.4	330	28.6	28.6	7.8	7.8	13.7	13.7	61.8	61.8	4.4	9.2	6	83	86	825675	806952	<0.2	2.2	2.3	2.3								
						6.2	0.5	348	28.5	28.5	8.0	8.0	17.9	17.9	58.3	58.3	4.1	12.7	4	87	87	87	825675	806952	<0.2	2.4	2.3	2.3							
					Middle	6.2	0.5	320	28.5	28.5	8.0	8.0	17.9	17.9	58.3	58.3	4.1	12.7	4	87	87	87	825675	806952	<0.2	2.2	2.3	2.3							
						11.3	0.5	330	28.4	28.4	8.0	8.0	18.6	18.6	58.0	58.0	4.1	15.3	4	88	88	88	825675	806952	<0.2	2.2	2.3	2.3							
						11.3	0.5	345	28.4	28.4	8.0	8.0	18.6	18.6	58.0	58.0	4.1	15.3	4	89	89	89	825675	806952	<0.2	2.2	2.3	2.3							
C3	Sunny	Moderate	07:26	12.0	Surface	1.0	0.5	270	28.7	28.7	8.0	8.0	16.2	16.2	62.8	62.8	4.4	9.2	6	90	92	822100	817799	<0.2	2.1	2.1	2.1								
						1.0	0.5	276	28.7	28.7	8.0	8.0	16.2	16.2	62.8	62.8	4.4	9.2	4	89	91	92	822100	817799	<0.2	2.0	2.1	2.1							
						6.0	0.5	256	28.5	28.5	8.0	8.0	19.8	19.8	62.1	62.1	4.3	9.7	6	91	92	92	822100	817799	<0.2	2.2	2.1	2.1							
					Middle	6.0	0.5	269	28.5	28.5	8.0	8.0	19.8	19.8	62.1	62.1	4.3	9.7	6	92	92	92	822100	817799	<0.2	2.1	2.1	2.1							
						11.0	0.7	268	27.8	27.8	8.0	8.0	23.3	23.3	62.1	62.1	4.3	10.2	6	94	94	94	822100	817799	<0.2	2.0	2.0	2.0							
						11.0	0.7	290	27.8	27.8	8.0	8.0	23.3	23.3	62.1	62.1	4.3	10.2	6	95	95	95	822100	817799	<0.2	2.0	2.0	2.0							
IM1	Cloudy	Moderate	09:43	8.1	Surface	1.0	0.6	6	28.7	28.7	8.0	8.0	19.0	19.0	74.4	74.4	5.2	7.9	4	77	81	818342	806438	<0.2	1.6	1.5	1.5								
						1.0	0.7	6	28.7	28.7	8.0	8.0	19.0	19.0	74.3	74.3	5.2	8.0	5	77	80	81	818342	806438	<0.2	1.7	1.7	1.7							
						4.1	0.6	15	28.7	28.7	8.0	8.0	19.0	19.0	74.2	74.2	5.2	10.6	4	80	81	81	818342	806438	<0.2	1.7	1.7	1.7							
					Middle	4.1	0.7	16	28.7	28.7	8.0	8.0	19.0	19.0	74.2	74.2	5.2	10.8	6	80	81	81	818342	806438	<0.2	1.7	1.7	1.7							
						7.1	0.5	8	28.6	28.6	8.0	8.0	22.5	22.5	74.4	74.4	5.1	23.6	17	86	86	86	818342	806438	<0.2	1.3	1.3	1.3							
						7.1	0.6	8	28.6	28.6	8.0	8.0	22.5	22.5	74.4	74.4	5.1	23.3	15	87	87	87	818342	806438	<0.2	1.2	1.2	1.2							
IM2	Cloudy	Moderate	09:48	8.9	Surface	1.0	0.5	359	28.7	28.7	8.0	8.0	18.9	18.9	74.0	74.0	5.1	7.5	5	80	85	818838	806186	<0.2	1.8	1.6	1.6								
						1.0	0.5	330	28.7	28.7	8.0	8.0	18.9	18.9	74.0	74.0	5.1	7.5	3	80	85	85	818838	806186	<0.2	1.5	1.5	1.5							
						4.5	0.7	3	28.7	28.7	8.0	8.0	19.7	19.7	74.5	74.5	5.2	11.2	5	85	85	85	818838	806186	<0.2	1.7	1.6	1.6							
					Middle	4.5	0.7	3	28.7	28.7	8.0	8.0	19.7	19.7	74.7	74.6	5.2	12.0	5	85	85	85	818838	806186	<0.2	1.6	1.7	1.6							
						7.9	0.6	13	28.6	28.6	8.1	8.1	22.8	22.8	76.8	76.9	5.2	20.9	7	90	90	90	818838	806186	<0.2	1.5	1.5	1.5							
						7.9	0.6	14	28.6	28.6	8.1	8.1	22.8	22.8	76.9	76.9	5.3	20.9	7	89	89	89	818838	806186	<0.2	1.5	1.5	1.5							
IM3	Cloudy	Moderate	09:55	9.1	Surface	1.0	0.5	28	28.6	28.6	8.0	8.0	18.8	18.8	73.7	73.7	5.1	7.9	6	76	81	819394	806005	<0.2	1.6	1.5	1.5								
						1.0	0.5	29	28.6	28.6	8.0	8.0	18.8	18.8	73.7	73.7	5.1	7.9	6	77	80	81	819394	806005	<0.2	1.8	1.7	1.7							
						4.6	0.6	25	28.6	28.6	8.0	8.0	19.0	19.0	74.1	74.2	5.2	10.1	6	80	81	81	819394	806005	<0.2	1.7	1.6	1.6							
					Middle	4.6	0.6	26	28.6	28.6	8.0	8.0	19.0	19.0	74.2	74.2	5.2	10.6	5	81	81	81	819394	806005	<0.2	1.6	1.6	1.6							
						8.1	0.5	31	28.5	28.5	8.1	8.1	23.1	23.1	79.7	79.8	5.4	27.2	32	85	85	85	819394	806005	<0.2	1.1	1.1	1.1							
						8.1	0.5	33	28.5	28.5	8.1	8.1	23.1	23.1	79.9	79.9	5.4	26.4	30	85	85	85	819394	806005	<0.2	1.1	1.1	1.1							
IM4	Cloudy	Moderate	10:03	8.6	Surface	1.0	0.5	4	28.6	28.6	8.0	8.0	17.5	17.6	72.3	72.3	5.1	7.4	7	80	85	819576	805048	<0.2	2.1	1.6	1.6								
						1.0	0.5	4	28.6	28.6	8.0	8.0	17.6	17.6	72.3	72.3	5.1	7.6	8	80	85	85	819576	805048	<0.2	1.9	1.9	1.9							
						4.3	0.7	15	28.5	28.5	8.0	8.0	18.0	18.0	72.8	72.8	5.1	9.3	7	85	85	85	819576	805048	<0.2	2.1	1.9	1.9							
					Middle	4.3	0.7	16	28.5	28.5	8.0	8.0	18.0	18.0	72.8	72.8	5.1	9.4	9	85	85	85	819576	805048	<0.2	1.4	1.4	1.4							
						7.6	0.6	11	28.4	28.4	8.1	8.1	23.9	23.9	76.4	76.5	5.2	28.6	8	89	89	89	819576	805048	<0.2	1.2	1.2	1.2							
						7.6	0.6	11	28.4	28.4	8.1	8.1	23.9	23.9	76.5	76.5	5.2	28.4	9	89	89	89	819576	805048	<0.2	1.1	1.1	1.1							
IM5	Cloudy	Moderate	10:15	7.7	Surface	1.0	0.7	21	28.6	28.6	8.0	8.0	17.2	17.2	72.6	72.7	5.1	8.3	6	76	80	820558	804931	<0.2	2.0	1.8	1.8								
						1.0	0.7	22	28.6	28.6	8.0	8.0	17.2	17.2	72.7	72.7	5.1	8.4	5	76	79	84	820558	804931	<0.2	2.2	2.2	2.2							
						3.9	0.7	20	28.6	28.6	8.0	8.0	17.3	17.3	73.6	73.6	5.2	10.6	5	79	84	84	820558	804931	<0.2	1.8	1.8	1.8							
					Middle	3.9	0.7	21	28.6	28.6	8.0	8.0	17.3	17.3	73.6	73.6	5.2	10.8	7	79	84	84	820558	804931	<0.2	2.0	2.0	2.0							
						6.7	0.5	21	28.6	28.6	8.0	8.0	17.3	17.3	73.5	73.5	5.3	15.5	9	83	83	83	820558	804931	<0.2	2.0	2.0	2.0							
						6.7	0.5	22	28.6	28.6	8.0	8.0	17.3	17.3	75.8	75.7	5.3	15.9	9	84	84	84	820558	804931	<0.2	1.8	1.8	1.8							
IM6	Cloudy	Moderate	10:22	7.5	Surface	1.0	0.4	35	28.6	28.6	8.1	8.1	18.6	18.6	72.9	72.9	5.1	11.8	10	78	84	821053	805838	<0.2	1.6	1.6	1.6								
						1.0	0.4	35	28.6	28.6																									



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

Water Quality Monitoring

Water Quality Monitoring Results on 27 July 17 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	08:56	7.4	Surface	1.0	0.3	271	28.8	7.8	7.8	13.1	13.1	67.4	67.4	4.8	8.2	6	83	87	822093	808823	<0.2	2.5	<0.2	2.5							
						1.0	0.3	290	28.8	7.8	7.8	13.1	13.1	67.4	67.4	4.8	8.2	5	84	5	84												
					Middle	3.7	0.4	285	28.7	7.9	7.9	13.5	13.5	61.2	61.2	4.4	8.8	5	87	5	86												
						3.7	0.4	291	28.7	7.9	7.9	13.5	13.5	61.2	61.2	4.4	8.7	5	86	5	86												
					Bottom	6.4	0.4	300	28.8	8.0	8.0	15.1	15.1	62.8	62.8	4.5	13.1	6	90	6	89												
						6.4	0.4	327	28.8	8.0	8.0	15.1	15.1	62.8	62.8	4.5	13.1	5	89	5	89												
IM10	Cloudy	Moderate	08:48	7.4	Surface	1.0	0.6	307	28.9	7.9	7.9	14.2	14.2	66.5	66.5	4.8	10.4	6	84	88	822235	809845	<0.2	2.3	<0.2	2.4							
						1.0	0.6	311	28.9	7.9	7.9	14.2	14.2	66.5	66.5	4.8	10.4	5	83	5	83												
					Middle	3.7	0.6	305	28.8	7.9	7.9	14.6	14.6	61.7	61.7	4.4	12.6	5	88	5	88												
						3.7	0.7	330	28.8	7.9	7.9	14.6	14.6	61.7	61.7	4.4	12.6	4	89	4	89												
					Bottom	6.4	0.4	308	28.8	8.0	8.0	15.8	15.8	62.8	62.8	4.4	14.8	6	91	6	90												
						6.4	0.4	326	28.8	8.0	8.0	15.8	15.8	62.8	62.8	4.4	14.8	6	90	6	90												
IM11	Cloudy	Moderate	08:35	7.9	Surface	1.0	0.5	273	28.9	7.9	7.9	13.7	13.7	63.2	63.2	4.5	9.1	5	83	88	821503	810546	<0.2	2.8	<0.2	2.8							
						1.0	0.5	287	28.9	7.9	7.9	13.7	13.7	63.2	63.2	4.5	9.1	5	84	5	84												
					Middle	4.0	0.6	290	28.8	7.9	7.9	14.7	14.7	64.0	64.0	4.6	11.8	5	88	5	88												
						4.0	0.6	311	28.8	7.9	7.9	14.7	14.7	64.0	64.0	4.6	11.8	6	88	6	88												
					Bottom	6.9	0.4	300	28.7	7.9	7.9	18.3	18.3	71.7	71.7	5.0	14.5	7	91	7	91												
						6.9	0.4	325	28.7	7.9	7.9	18.3	18.3	71.7	71.7	5.0	14.5	6	91	6	91												
IM12	Cloudy	Moderate	08:27	8.3	Surface	1.0	0.6	283	28.8	7.9	7.9	13.6	13.6	64.2	64.2	4.6	10.3	5	85	88	821175	811530	<0.2	2.8	<0.2	2.9							
						1.0	0.7	295	28.8	7.9	7.9	13.6	13.6	64.2	64.2	4.6	10.3	4	86	4	86												
					Middle	4.2	0.8	280	28.7	8.0	8.0	19.1	19.1	62.8	62.8	4.4	10.6	7	88	7	88												
						4.2	0.8	295	28.7	8.0	8.0	19.1	19.1	62.8	62.8	4.4	10.6	8	89	8	89												
					Bottom	7.3	0.5	286	28.6	8.0	8.0	20.7	20.7	63.3	63.3	4.4	13.3	9	90	9	90												
						7.3	0.6	296	28.6	8.0	8.0	20.7	20.7	63.3	63.3	4.4	13.3	9	91	9	91												
SR2	Sunny	Moderate	07:48	4.6	Surface	1.0	0.1	283	28.8	8.0	8.0	14.1	14.1	62.4	62.4	4.5	9.9	6	86	89	821482	814156	<0.2	3.1	<0.2	3.0							
						1.0	0.1	306	28.8	8.0	8.0	14.1	14.1	62.4	62.4	4.5	9.9	5	87	5	87												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.6	0.1	294	28.5	8.0	8.0	18.2	18.2	60.9	60.9	4.3	13.4	5	91	5	91												
						3.6	0.1	321	28.5	8.0	8.0	18.2	18.2	60.9	60.9	4.3	13.4	6	90	6	90												
SR3	Cloudy	Moderate	09:17	9.2	Surface	1.0	0.2	296	28.7	7.8	7.8	11.6	11.6	68.2	68.2	4.9	8.4	6	-	-	822160	807561	-	-	-	-							
						1.0	0.2	304	28.7	7.8	7.8	11.6	11.6	68.2	68.2	4.9	8.4	6	-	-	-	-											
					Middle	4.6	0.3	330	28.6	7.9	7.9	13.2	13.2	58.4	58.4	4.2	9.4	5	-	-	-	-											
						4.6	0.4	341	28.6	7.9	7.9	13.2	13.2	58.4	58.4	4.2	9.4	6	-	-	-	-											
					Bottom	8.2	0.0	323	28.7	8.0	8.0	15.4	15.4	62.1	62.1	4.4	12.3	6	-	-	-	-											
						8.2	0.0	338	28.7	8.0	8.0	15.4	15.4	62.1	62.1	4.4	12.3	6	-	-	-	-											
SR4A	Fine	Calm	09:02	9.4	Surface	1.0	0.5	265	28.8	8.0	8.0	18.5	18.6	72.7	72.7	5.1	12.6	12	-	-	817192	807797	-	-	-	-							
						1.0	0.5	283	28.8	8.0	8.0	18.6	18.6	72.7	72.7	5.1	12.6	11	-	-	-	-											
					Middle	4.7	0.4	265	28.7	8.0	8.0	18.8	18.8	73.0	73.1	5.1	13.0	13	-	-	-	-											
						4.7	0.4	284	28.7	8.0	8.0	18.8	18.8	73.2	73.1	5.1	12.9	13	-	-	-	-											
					Bottom	8.4	0.2	258	28.7	8.0	8.0	19.4	19.4	74.5	74.8	5.2	12.9	13	-	-	-	-											
						8.4	0.2	282	28.7	8.0	8.0	19.4	19.4	75.1	74.8	5.2	13.0	14	-	-	-	-											
SR5A	Fine	Calm	08:46	4.7	Surface	1.0	0.4	298	28.7	7.9	7.9	18.0	18.0	73.3	73.4	5.1	14.2	9	-	-	816598	810689	-	-	-	-							
						1.0	0.4	318	28.7	7.9	7.9	18.0	18.0	73.4	73.4	5.1	14.1	11	-	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-		
					Bottom	3.7	0.3	305	28.7	7.9	7.9	18.2	18.2	76.5	77.2	5.3	16.3	15	-	-	-	-											
						3.7	0.3	321	28.7	7.9	7.9	18.2	18.2	77.9	77.2	5.4	16.4	15	-	-	-	-											
SR6	Fine	Calm	08:21	4.3	Surface	1.0	0.3	254	28.6	7.8	7.8	16.2	16.2	69.8	69.8	4.9	8.3	7	-	-	817897	814663	-	-	-	-							
						1.0	0.3	256	28.6	7.8	7.8	16.2	16.2	69.8	69.8	4.9	8.3	5	-	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
					Bottom	3.3	0.2	234	28.6	7.8	7.8	16.5	16.5	71.4	71.8	5.0	8.8	9	-	-	-	-											
						3.3	0.2	243	28.6	7.8	7.8	16.5	16.5	72.2	71.8	5.1	8.8	7	-	-	-	-											
SR7	Fine	Calm	07:24	15.6	Surface	1.0	0.1	190	28.4	7.7	7.7	16.5	16.5	68.6	68.6	5.1	5.5	6	-	-	823640	823756	-	-	-	-							
						1.0	0.1	203	28.4	7.7	7.7	16.5	16.5	68.6	68.6	5.1	5.3	4	-	-	-	-											
					Middle	7.8	0.2	188	28.3	7.7	7.7	16.6	16.6	68.4	68.5	5.1	5.5	6	-	-	-	-											
						7.8	0.2	192	28.3	7.7	7.7	16.6	16.6	68.5	68.5	5.1	5.4	5	-	-	-	-											
					Bottom	14.6	0.1	188	28.1	7.7	7.7	20.0	20.0	72.5	72.7	5.1	5.5	5	-	-	-	-											
						14.6	0.1	200	28.1	7.7	7.7	19.9	20.0	72.8	72.7	5.1	5.5	6	-	-	-	-											

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

Note: Water quality monitoring at SR8 on 25 and 27 July 2017 were cancelled as the location was inaccessible due to safety constraints.

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 July 17 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	Sunny	Moderate	16:27	9.1	Surface	1.0	0.4	246	30.4	8.1	8.1	16.6	16.6	88.9	88.7	6.1	5.5	5.9	5.5	5.8	10	80	85	815602	804251	<0.2	1.9	1.5	1.5	
						1.0	0.4	256	30.4	8.1	8.1	16.6	16.6	88.5	88.7	6.1	5.5	5.9	5.5	5.8	12	81	85	815602	804251	<0.2	2.0	1.5	1.5	
						4.6	0.2	186	29.0	8.1	8.1	20.8	20.7	81.9	81.5	5.6	5.7	5.9	5.7	5.8	14	85	85	815602	804251	<0.2	1.7	1.5	1.5	
					4.6	0.2	191	29.0	8.1	8.1	20.6	20.7	81.1	81.5	5.6	5.7	5.9	5.7	5.8	15	85	85	815602	804251	<0.2	1.9	1.5	1.5		
					8.1	0.2	217	28.4	8.1	8.1	26.8	26.8	82.4	82.6	5.5	6.3	5.5	6.3	5.5	15	90	90	815602	804251	<0.2	0.7	1.5	1.5		
					8.1	0.2	217	28.4	8.1	8.1	26.8	26.8	82.7	82.6	5.5	6.3	5.5	6.3	5.5	17	90	90	815602	804251	<0.2	0.6	1.5	1.5		
C2	Fine	Moderate	15:53	12.3	Surface	1.0	0.1	135	29.5	7.9	7.9	15.9	15.9	65.7	65.7	4.6	9.0	4.4	4.6	13.3	12	83	86	825698	806954	<0.2	2.3	2.3	2.3	
						1.0	0.2	140	29.5	7.9	7.9	15.9	15.9	65.7	65.7	4.6	9.0	4.4	4.6	13.3	12	85	86	825698	806954	<0.2	2.3	2.3	2.3	
						6.2	0.4	163	28.8	8.0	8.0	20.8	20.8	60.6	60.6	4.2	14.2	4.4	14.2	13.3	13	86	86	825698	806954	<0.2	2.4	2.3	2.3	
					6.2	0.4	165	28.8	8.0	8.0	20.8	20.8	60.6	60.6	4.2	14.2	4.4	14.2	13.3	12	87	87	825698	806954	<0.2	2.3	2.3	2.3		
					11.3	0.3	165	28.1	7.9	7.9	25.5	25.5	60.0	60.0	4.1	17.6	4.1	17.6	4.1	15	88	88	825698	806954	<0.2	2.1	2.3	2.3		
					11.3	0.3	167	28.1	7.9	7.9	25.4	25.5	60.3	60.2	4.1	15.5	4.1	15.5	4.1	16	89	89	825698	806954	<0.2	2.2	2.3	2.3		
C3	Fine	Moderate	18:08	12.1	Surface	1.0	0.3	105	28.8	8.1	8.1	21.1	21.1	69.0	69.0	4.7	7.3	4.7	7.3	8.5	12	89	91	822126	817820	<0.2	1.6	1.7	1.7	
						1.0	0.3	105	28.8	8.1	8.1	21.1	21.1	69.0	69.0	4.7	7.3	4.7	7.3	8.5	11	90	91	822126	817820	<0.2	1.6	1.7	1.7	
						6.1	0.2	55	28.8	8.0	8.0	21.5	21.5	66.5	66.5	4.6	8.3	4.5	8.3	8.5	10	92	92	822126	817820	<0.2	1.7	1.7	1.7	
					6.1	0.2	56	28.8	8.0	8.0	21.5	21.5	66.5	66.5	4.6	8.3	4.5	8.3	8.5	10	91	92	822126	817820	<0.2	1.7	1.7	1.7		
					11.1	0.2	43	28.4	8.0	8.0	25.0	25.0	66.7	66.7	4.5	9.8	4.5	9.8	4.5	14	92	92	822126	817820	<0.2	1.8	1.7	1.7		
					11.1	0.2	45	28.4	8.0	8.0	25.0	25.0	66.7	66.7	4.5	9.8	4.5	9.8	4.5	16	93	93	822126	817820	<0.2	1.6	1.7	1.7		
IM1	Sunny	Moderate	16:08	7.8	Surface	1.0	0.2	144	30.4	8.1	8.1	16.8	16.9	77.0	76.9	5.3	7.9	5.2	7.9	9.8	7	80	85	818352	806477	<0.2	2.5	1.6	1.6	
						1.0	0.3	148	30.3	8.1	8.1	16.9	16.9	76.7	76.9	5.3	7.9	5.2	7.9	9.8	9	80	85	818352	806477	<0.2	2.2	1.6	1.6	
						3.9	0.3	174	28.6	8.1	8.1	24.7	24.7	74.0	74.2	5.0	11.2	5.0	11.2	9.8	12	86	86	818352	806477	<0.2	1.8	1.6	1.6	
					3.9	0.3	188	28.6	8.1	8.1	24.7	24.7	74.3	74.2	5.0	11.2	5.0	11.2	9.8	13	86	86	818352	806477	<0.2	1.7	1.6	1.6		
					6.8	0.2	182	28.6	8.1	8.1	24.8	24.8	77.5	77.6	5.2	10.2	5.3	10.2	5.3	13	89	89	818352	806477	<0.2	0.8	1.6	1.6		
					6.8	0.2	183	28.6	8.1	8.1	24.8	24.8	77.7	77.6	5.3	10.2	5.3	10.2	5.3	13	89	89	818352	806477	<0.2	0.8	1.6	1.6		
IM2	Sunny	Moderate	16:03	8.9	Surface	1.0	0.2	209	30.5	8.1	8.1	16.6	16.6	82.2	81.3	5.6	6.8	5.4	6.8	8.7	8	81	86	818864	806209	<0.2	2.1	1.8	1.8	
						1.0	0.2	214	30.5	8.1	8.1	16.6	16.6	80.4	81.3	5.5	7.0	5.4	7.0	8.7	7	82	86	818864	806209	<0.2	2.1	1.8	1.8	
						4.5	0.2	215	28.7	8.1	8.1	20.7	21.8	75.7	75.6	5.2	8.8	5.2	8.8	8.7	7	87	87	818864	806209	<0.2	2.0	1.8	1.8	
					4.5	0.2	220	28.6	8.1	8.1	22.8	21.8	75.4	75.6	5.2	9.5	5.2	9.5	8.7	7	87	87	818864	806209	<0.2	2.2	1.8	1.8		
					7.9	0.2	226	28.6	8.1	8.1	24.9	24.9	79.2	79.4	5.4	9.9	5.4	9.9	8.7	12	90	90	818864	806209	<0.2	1.1	1.8	1.8		
					7.9	0.2	243	28.6	8.1	8.1	24.9	24.9	79.5	79.4	5.4	9.9	5.4	9.9	8.7	13	91	91	818864	806209	<0.2	1.2	1.8	1.8		
IM3	Sunny	Moderate	15:57	9.0	Surface	1.0	0.2	193	29.7	8.1	8.1	16.8	16.8	89.5	89.1	6.2	5.2	6.1	5.2	5.2	7	80	83	819407	806038	<0.2	2.3	2.1	2.1	
						1.0	0.3	197	29.6	8.1	8.1	16.8	16.8	88.6	89.1	6.2	5.2	6.1	5.2	5.2	5	80	83	819407	806038	<0.2	2.3	2.1	2.1	
						4.5	0.1	148	29.3	8.1	8.1	18.1	18.1	85.2	84.8	5.9	5.3	5.9	5.2	6.1	6	83	83	819407	806038	<0.2	2.2	2.1	2.1	
					4.5	0.1	155	29.2	8.1	8.1	18.0	18.0	84.3	84.8	5.9	5.2	5.9	5.2	6.1	6	83	83	819407	806038	<0.2	2.1	2.1	2.1		
					8.0	0.1	63	28.9	8.1	8.1	22.7	22.6	85.4	86.2	5.8	5.2	5.9	5.2	5.9	6	87	86	819407	806038	<0.2	1.7	2.1	2.1		
					8.0	0.1	68	28.9	8.1	8.1	22.4	22.6	87.0	86.2	5.9	5.1	5.9	5.1	5.9	6	86	86	819407	806038	<0.2	1.8	2.1	2.1		
IM4	Sunny	Moderate	15:50	8.4	Surface	1.0	0.0	159	29.5	8.1	8.1	17.7	17.7	81.7	81.1	5.7	5.5	5.5	5.5	6.2	5	81	86	819581	805026	<0.2	2.2	1.9	1.9	
						1.0	0.0	169	29.3	8.1	8.1	17.7	17.7	80.5	81.1	5.6	5.6	5.5	5.6	6.2	6	80	86	819581	805026	<0.2	2.1	1.9	1.9	
						4.2	0.1	101	28.9	8.1	8.1	21.1	21.1	77.7	77.7	5.3	6.3	5.5	6.3	6.2	6	86	87	819581	805026	<0.2	2.2	1.9	1.9	
					4.2	0.1	105	28.8	8.1	8.1	21.1	21.1	77.6	77.7	5.3	6.4	5.5	6.4	6.2	5	87	87	819581	805026	<0.2	1.9	1.9	1.9		
					7.4	0.2	119	28.6	8.1	8.1	24.5	24.5	80.1	80.1	5.4	6.7	5.4	6.7	5.4	9	90	89	819581	805026	<0.2	1.4	1.9	1.9		
					7.4	0.2	125	28.6	8.1	8.1	24.5	24.5	80.1	80.1	5.4	6.7	5.4	6.7	5.4	9	89	89	819581	805026	<0.2	1.5	1.9	1.9		
IM5	Sunny	Moderate	15:39	7.6	Surface	1.0	0.2	244	30.0	8.0	8.0	16.5	16.5	85.0	84.9	5.9	6.9	5.8	6.9	11.7	8	79	83	820577	804915	<0.2	1.9	1.8	1.8	
						1.0	0.2	247	29.9	8.0	8.0	16.5	16.5	84.7	84.9	5.9	7.1	5.8	7.1	11.7	7	80	83	820577	804915	<0.2	1.9	1.8	1.8	
						3.8	0.1	206	29.5	8.0	8.0	18.4	18.4	81.7	81.7	5.6	10.6	5.6	10.6	11.7	6	83	84	820577	804915	<0.2	1.9	1.8	1.8	
					3.8	0.1	220	29.4	8.0	8.0	18.4	18.4	81.6	81.7	5.6	10.9	5.6	10.9	11.7	7	84	84	820577	804915	<0.2	1.9	1.8	1.8		
					6.6	0.3	166	29.2	8.0	8.0	20.3	20.3	80.4	80.2	5.5	17.6	5.5	17.6	5.5	7	87	87	820577	804915	<0.2	1.7	1.8	1.8		
					6.6	0.3	176	29.2	8.0	8.0	20.3	20.3	80.0	80.2																

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 July 17 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	16:43	7.3	Surface	1.0	0.4	125	29.7	8.0	8.0	15.3	15.3	67.8	67.8	4.7	8.6	7	84	89	822079	808804	<0.2	2.1	2.3											
						1.0	0.4	134	29.7	29.7	8.0	8.0	15.3	15.3	67.8	67.8	4.7	8.6	7	85	89															
					Middle	3.7	0.4	135	28.8	28.8	8.1	8.1	19.4	19.4	65.2	65.2	4.5	10.3	9	89	90															
						3.7	0.4	144	28.8	28.8	8.1	8.1	19.4	19.4	65.2	65.2	4.5	10.3	11	90	91															
					Bottom	6.3	0.2	79	29.0	29.0	8.1	8.1	21.8	21.8	69.9	69.9	4.8	13.0	10	92	91															
						6.3	0.2	85	29.0	29.0	8.1	8.1	21.8	21.8	69.9	69.9	4.8	13.0	9	91	91															
IM10	Fine	Moderate	16:53	7.4	Surface	1.0	0.5	117	30.6	8.0	8.0	14.3	14.3	74.5	74.5	5.2	8.8	7	83	87	822223	809846	<0.2	2.2	2.4											
						1.0	0.6	121	30.6	30.6	8.0	8.0	14.3	14.3	74.5	74.5	5.2	8.8	5	84	88															
					Middle	3.7	0.5	110	28.9	28.9	8.1	8.1	20.3	20.3	65.5	65.5	4.5	13.9	6	88	89															
						3.7	0.5	113	28.9	28.9	8.1	8.1	20.3	20.3	65.5	65.5	4.5	13.9	6	88	89															
					Bottom	6.4	0.3	85	29.0	29.0	8.2	8.2	21.8	21.8	71.4	71.4	4.9	16.6	8	89	90															
						6.4	0.3	87	29.0	29.0	8.2	8.2	21.8	21.8	71.4	71.4	4.9	16.6	9	90	91															
IM11	Fine	Moderate	17:02	8.2	Surface	1.0	0.5	113	29.9	29.9	8.1	8.1	16.2	16.2	74.1	74.1	5.1	8.0	6	86	89	821501	810560	<0.2	2.0	2.1										
						1.0	0.5	115	29.9	29.9	8.1	8.1	16.2	16.2	74.1	74.1	5.1	8.0	6	86	89															
					Middle	4.1	0.4	84	29.4	29.4	8.2	8.2	19.3	19.3	70.6	70.6	4.9	10.5	7	88	89															
						4.1	0.4	90	29.4	29.4	8.2	8.2	19.3	19.3	70.6	70.6	4.9	10.5	6	88	89															
					Bottom	7.2	0.3	104	28.9	28.9	8.2	8.2	21.3	21.3	68.6	68.6	4.7	13.7	6	91	91															
						7.2	0.4	106	28.9	28.9	8.2	8.2	21.3	21.3	68.6	68.6	4.7	13.7	6	91	91															
IM12	Fine	Moderate	17:08	8.9	Surface	1.0	0.5	102	30.4	30.4	8.0	8.0	15.0	15.0	78.3	78.3	5.4	7.5	5	86	89	821181	811522	<0.2	2.3	2.2										
						1.0	0.6	102	30.4	30.4	8.0	8.0	15.0	15.0	78.3	78.3	5.4	7.5	6	87	91															
					Middle	4.5	0.4	84	29.7	29.7	8.1	8.1	17.4	17.4	74.0	74.0	5.1	9.7	6	91	91															
						4.5	0.5	89	29.7	29.7	8.1	8.1	17.4	17.4	74.0	74.0	5.1	9.7	6	91	91															
					Bottom	7.9	0.2	102	29.3	29.3	8.2	8.2	19.5	19.5	74.9	74.9	5.2	11.1	6	92	93															
						7.9	0.2	103	29.3	29.3	8.2	8.2	19.5	19.5	74.9	74.9	5.2	11.1	6	92	93															
SR2	Fine	Moderate	17:48	3.5	Surface	1.0	0.3	73	29.6	29.6	8.1	8.1	17.6	17.6	71.0	71.0	4.9	8.6	6	92	93	821480	814155	<0.2	1.9	2.0										
						1.0	0.3	73	29.6	29.6	8.1	8.1	17.6	17.6	71.0	71.0	4.9	8.6	6	91	91															
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-					
					Bottom	2.5	0.2	44	29.1	29.1	8.1	8.1	18.7	18.7	67.8	67.8	4.7	10.5	5	93	94															
						2.5	0.2	46	29.1	29.1	8.1	8.1	18.7	18.7	67.8	67.8	4.7	10.5	6	94	94															
SR3	Fine	Moderate	16:35	8.8	Surface	1.0	0.2	162	29.7	29.7	8.0	8.0	15.7	15.7	70.2	70.2	4.9	9.5	5	-	-	822166	807580	-	-	-										
						1.0	0.2	172	29.7	29.7	8.0	8.0	15.7	15.7	70.2	70.2	4.9	9.5	5	-	-															
					Middle	4.4	0.1	181	28.9	28.9	8.1	8.1	21.4	21.4	66.9	66.9	4.6	14.6	4	-	-															
						4.4	0.1	186	28.9	28.9	8.1	8.1	21.4	21.4	66.9	66.9	4.6	14.6	5	-	-															
					Bottom	7.8	0.0	6	28.9	28.9	8.2	8.2	22.1	22.1	70.7	70.7	4.8	14.6	7	-	-															
						7.8	0.0	6	28.9	28.9	8.2	8.2	22.1	22.1	70.7	70.7	4.8	14.6	9	-	-															
SR4A	Fine	Calm	16:48	9.2	Surface	1.0	0.3	61	28.7	28.7	8.1	8.1	23.3	23.4	73.8	73.8	5.0	12.9	4	-	-	817193	807790	-	-	-										
						1.0	0.3	62	28.7	28.7	8.1	8.1	23.4	23.4	73.8	73.8	5.0	13.3	5	-	-															
					Middle	4.6	0.3	60	28.6	28.6	8.1	8.1	24.7	24.8	74.3	74.5	5.0	14.0	14	-	-															
						4.6	0.3	60	28.6	28.6	8.1	8.1	24.8	24.8	74.6	74.5	5.0	14.4	14	-	-															
					Bottom	8.2	0.3	66	28.6	28.6	8.1	8.1	24.9	24.9	77.9	78.0	5.3	15.4	14	-	-															
						8.2	0.3	68	28.6	28.6	8.1	8.1	24.9	24.9	78.1	78.1	5.3	15.6	16	-	-															
SR5A	Fine	Calm	17:04	4.0	Surface	1.0	0.1	35	30.5	30.5	8.2	8.2	19.8	19.9	101.1	100.5	6.8	10.4	9	-	-	816599	810692	-	-	-										
						1.0	0.1	35	30.4	30.4	8.2	8.2	19.9	19.9	99.9	99.9	6.7	10.8	8	-	-															
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-							
					Bottom	3.0	0.1	12	30.0	30.0	8.1	8.1	20.2	20.2	98.5	98.6	6.7	12.6	9	-	-															
						3.0	0.1	12	30.0	30.0	8.1	8.1	20.2	20.2	98.6	98.6	6.7	12.6	7	-	-															
SR6	Fine	Calm	17:27	4.2	Surface	1.0	0.1	352	30.8	30.8	8.2	8.2	18.8	18.8	92.3	90.8	6.2	6.9	6	-	-	817900	814675	-	-	-										
						1.0	0.1	324	30.7	30.7	8.1	8.2	18.8	18.8	89.2	89.2	6.0	7.2	6	-	-															
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
					Bottom	3.2	0.0	100	29.1	29.1	8.1	8.1	20.2	20.2	94.6	94.9	6.5	7.1	9	-	-															
						3.2	0.0	105	29.1	29.1	8.1	8.1	20.2	20.2	95.2	94.9	6.5	7.1	11	-	-															
SR7	Fine	Moderate	18:14	20.1	Surface	1.0	0.7	78	29.4	29.4	8.1	8.1	20.2	20.2	83.6	83.6	5.7	5.1	6	-	-	823643	823760	-	-	-										
						1.0	0.7	83	29.4	29.4	8.1	8.1	20.2	20.2	83.5	83.5	5.7	5.1	5	-	-															
					Middle	10.1	0.2	86	29.1	29.1	8.0	8.0	20.7	20.7	80.2	80.3	5.5	5.1	5	-	-															
						10.1	0.2	92	29.1	29.1	8.0	8.0	20.7	20.7	80.3	80.3	5.5	5.1	5	-	-															
					Bottom	19.1	0.1	220	29.1	29.1	8.0	8.0	21.6	21.6	85.3	85.5	5.8	5.2	5	-	-															
						19.1	0.1	226	29.1	29.1	8.0	8.0	21.6	21.6	85.6	85.5	5.8	5.2	4	-	-															
SR8	Fine	Moderate	17:26	4.8	Surface	1.0	0.0	198	30.9	30.9	8.1	8.1	16.1	16.1	85.9	85.9	5.9	7.4	4	-	-	820246	811418	-	-	-										
						1.0	0.0	200	30.9	30.9	8.1	8.1	16.1	16.1	85.9	85.9	5.9	7.4	4	-	-															
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
					Bottom	3.8	0.1	215	31.0	31.0	8.0	8.0	16.6	16.6	86.2	86.2	5.9	8.0	6	-	-															
						3.8	0.1	234	31.0	31.0	8.0	8.0	16.6	16.6	86.2	86.2	5.9	8.0	6	-	-															

DA: Depth-Averaged

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

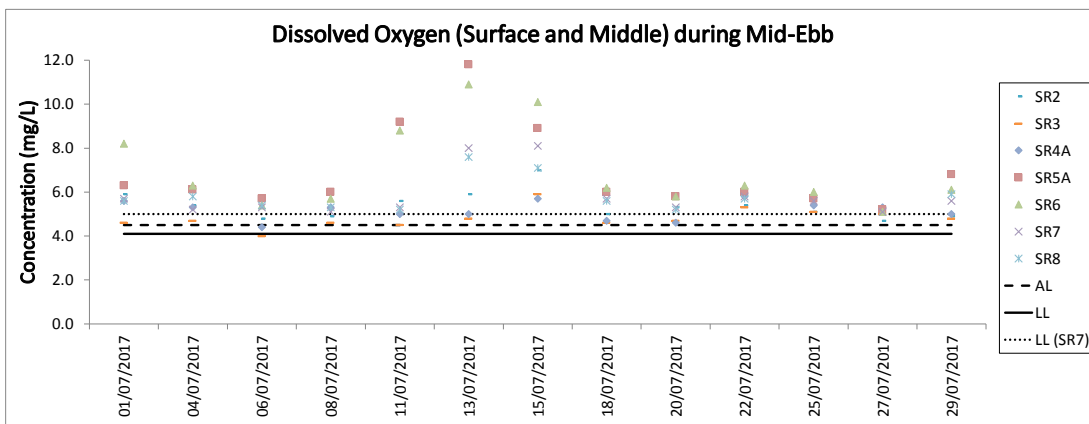
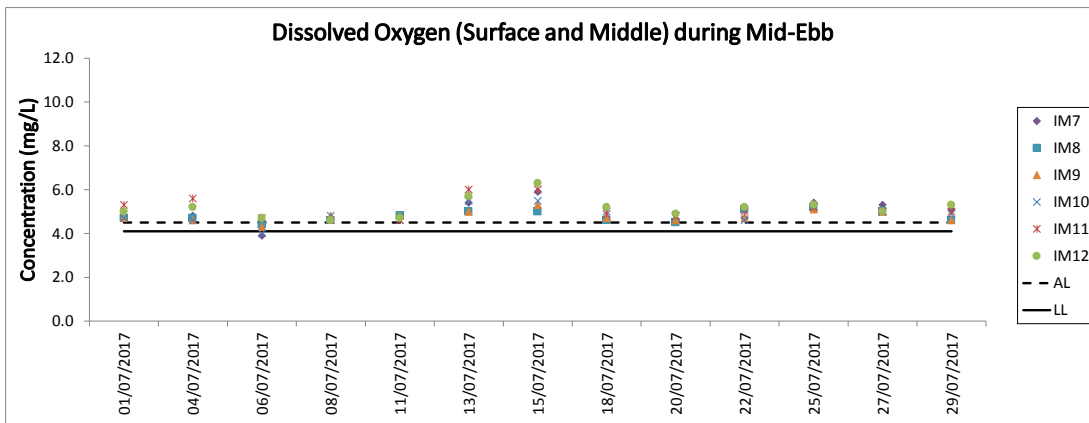
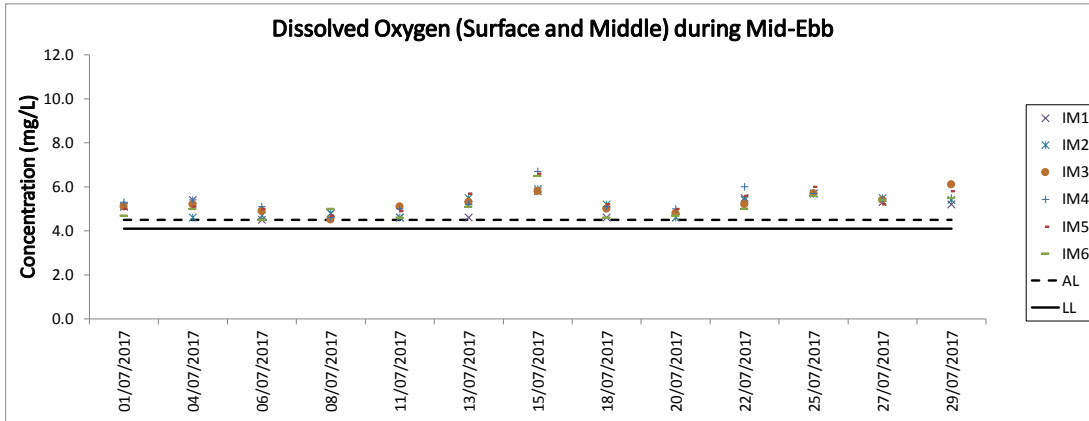
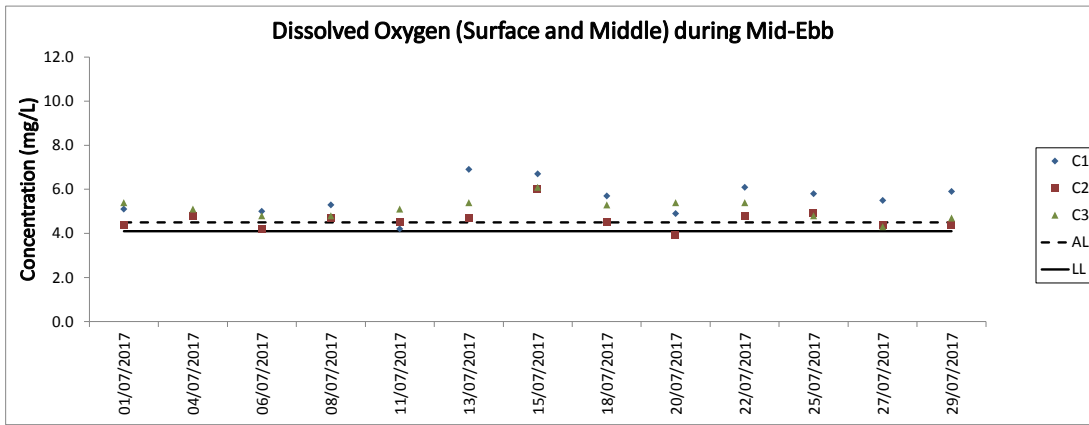
Expansion of Hong Kong International Airport into a Three-Runway System

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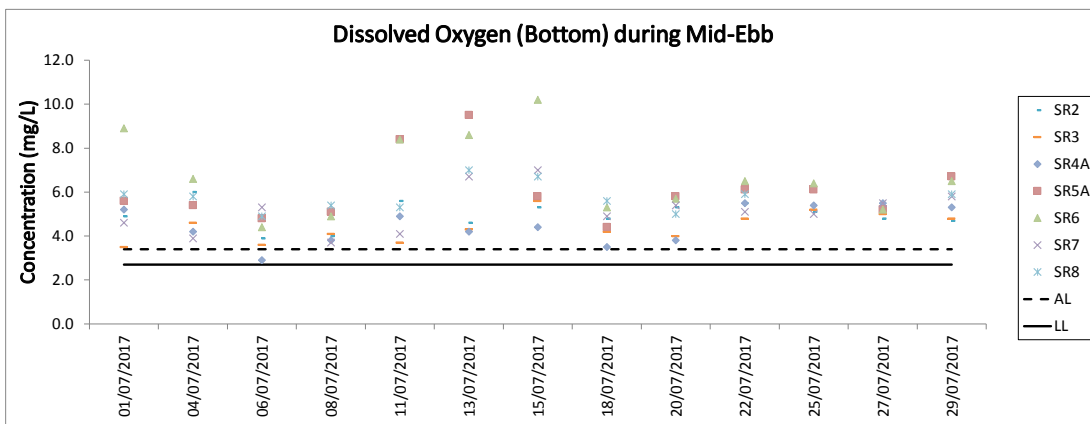
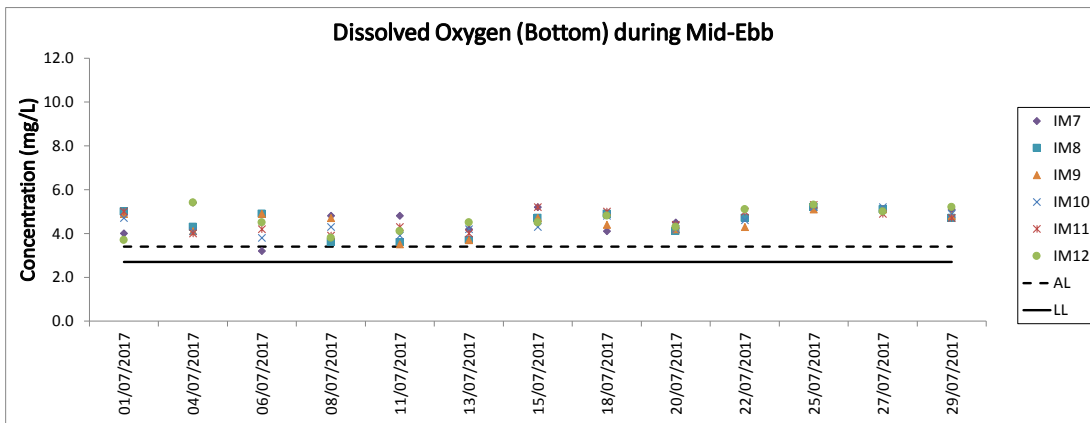
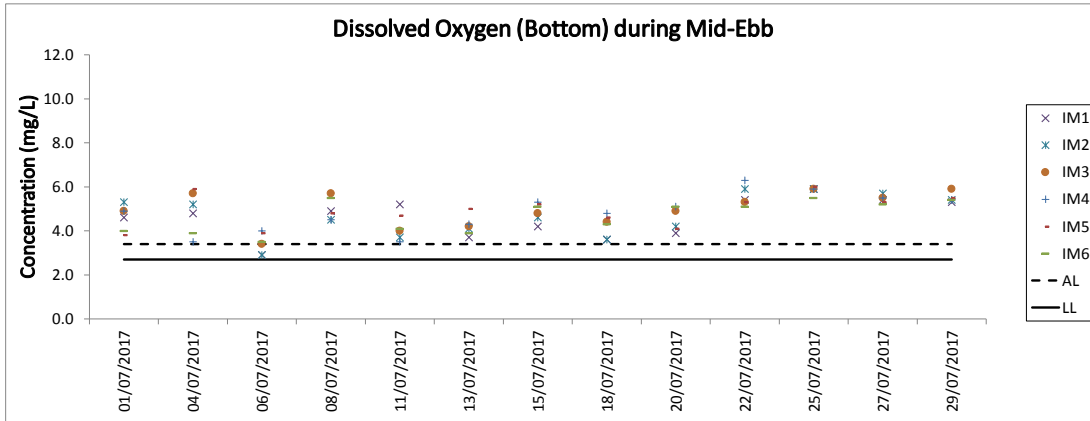
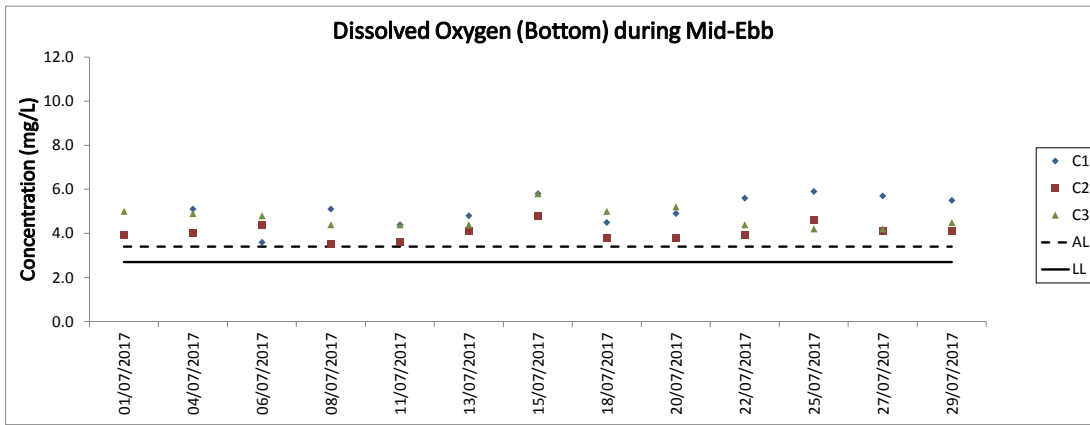
Water Quality Monitoring Results on 29 July 17 during Mid-Flood Tide

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	Fine	Moderate	11:11	8.9	Surface	1.0	0.7	37	29.0	8.0	8.0	18.2	18.2	75.4	75.4	5.2	5.1	8.3	12.9	3	6	78	85	815612	804239	<0.2	<0.2	1.6	1.3							
						1.0	0.7	39	29.0	8.0	8.0	18.2	18.2	75.3	75.4	5.2	5.1	8.5	12.9	3	6	79	85	815612	804239	<0.2	<0.2	1.6	1.3							
						4.5	0.9	43	28.6	8.0	8.0	24.4	24.4	73.3	73.3	5.0	5.0	12.7	12.9	5	6	86	85	815612	804239	<0.2	<0.2	1.4	1.3							
					4.5	0.9	43	28.5	8.0	8.0	24.4	24.4	73.2	73.3	5.0	5.0	13.9	12.9	5	6	86	85	815612	804239	<0.2	<0.2	1.4	1.3								
					7.9	0.8	35	28.4	8.0	8.0	26.2	26.2	74.2	74.2	5.0	5.0	17.0	12.9	10	6	89	85	815612	804239	<0.2	<0.2	0.8	1.3								
					7.9	0.8	37	28.4	8.0	8.0	26.2	26.2	74.2	74.2	5.0	5.0	16.9	12.9	10	6	89	85	815612	804239	<0.2	<0.2	0.7	1.3								
C2	Fine	Moderate	11:48	12.6	Surface	1.0	0.3	336	29.2	7.9	7.9	16.8	16.8	61.5	61.5	4.3	4.2	8.7	11.9	5	7	84	88	825683	806951	<0.2	<0.2	2.6	2.4							
						1.0	0.3	341	29.2	7.9	7.9	16.8	16.8	61.5	61.5	4.3	4.2	8.7	11.9	6	7	86	88	825683	806951	<0.2	<0.2	2.5	2.4							
						6.3	0.4	316	28.6	8.0	8.0	20.7	20.7	58.8	58.8	4.1	4.1	12.5	11.9	6	7	87	88	825683	806951	<0.2	<0.2	2.4	2.4							
					6.3	0.4	322	28.6	8.0	8.0	20.7	20.7	58.8	58.8	4.1	4.1	12.5	11.9	6	7	87	88	825683	806951	<0.2	<0.2	2.5	2.4								
					11.6	0.7	290	28.6	7.9	7.9	21.7	21.7	60.4	60.4	4.2	4.2	14.6	11.9	8	7	92	88	825683	806951	<0.2	<0.2	2.0	2.4								
					11.6	0.7	313	28.6	7.9	7.9	21.7	21.7	60.4	60.4	4.2	4.2	14.6	11.9	8	7	91	88	825683	806951	<0.2	<0.2	2.2	2.4								
C3	Cloudy	Moderate	09:17	12.1	Surface	1.0	0.5	275	28.9	8.0	8.0	19.1	19.1	65.8	65.8	4.6	4.4	8.1	8.1	6	5	87	90	822128	817811	<0.2	<0.2	1.6	1.9							
						1.0	0.5	278	28.9	8.0	8.0	19.1	19.1	65.8	65.8	4.6	4.4	8.1	8.1	5	5	88	90	822128	817811	<0.2	<0.2	1.7	1.9							
						6.1	0.4	264	28.4	8.0	8.0	21.4	21.4	61.0	61.0	4.2	4.2	8.4	8.1	5	5	89	90	822128	817811	<0.2	<0.2	1.9	1.9							
					6.1	0.4	280	28.4	8.0	8.0	21.4	21.4	61.0	61.0	4.2	4.2	8.4	8.1	5	5	90	90	822128	817811	<0.2	<0.2	1.9	1.9								
					11.1	0.8	74	27.9	8.0	8.0	24.6	24.6	58.8	58.8	4.0	4.0	7.9	8.1	5	5	92	90	822128	817811	<0.2	<0.2	2.2	1.9								
					11.1	0.9	78	27.9	8.0	8.0	24.6	24.6	58.8	58.8	4.0	4.0	7.9	8.1	5	5	93	90	822128	817811	<0.2	<0.2	2.0	1.9								
IM1	Fine	Moderate	11:31	7.9	Surface	1.0	0.6	6	29.0	8.0	8.0	20.5	20.6	75.2	75.3	5.2	5.2	6.6	7.7	5	7	77	82	818366	806446	<0.2	<0.2	1.6	1.4							
						1.0	0.6	6	29.0	8.0	8.0	20.6	20.6	75.3	75.3	5.2	5.2	6.6	7.7	6	7	77	82	818366	806446	<0.2	<0.2	1.4	1.4							
						4.0	0.6	16	29.0	8.0	8.0	20.8	20.8	75.3	75.4	5.2	5.2	7.3	7.7	7	7	82	82	818366	806446	<0.2	<0.2	1.3	1.4							
					4.0	0.6	17	28.9	8.0	8.0	20.8	20.8	75.4	75.4	5.2	5.2	7.4	7.7	6	7	82	82	818366	806446	<0.2	<0.2	1.3	1.4								
					6.9	0.6	8	28.8	8.0	8.0	22.2	22.2	77.3	77.4	5.3	5.3	9.1	7.7	9	7	86	82	818366	806446	<0.2	<0.2	1.2	1.4								
					6.9	0.6	8	28.8	8.0	8.0	22.2	22.2	77.5	77.4	5.3	5.3	9.1	7.7	8	7	86	82	818366	806446	<0.2	<0.2	1.3	1.4								
IM2	Fine	Moderate	11:36	8.3	Surface	1.0	0.6	24	29.1	8.0	8.0	19.7	19.7	75.4	75.5	5.2	5.3	7.0	8.0	6	6	76	82	818853	806194	<0.2	<0.2	1.2	1.4							
						1.0	0.6	24	29.1	8.0	8.0	19.7	19.7	75.5	75.5	5.2	5.3	7.0	8.0	4	6	77	82	818853	806194	<0.2	<0.2	1.1	1.4							
						4.2	0.6	36	28.9	8.0	8.0	21.4	21.4	76.8	76.9	5.3	5.3	7.9	8.0	6	6	82	82	818853	806194	<0.2	<0.2	1.5	1.4							
					4.2	0.6	37	28.9	8.0	8.0	21.4	21.4	76.9	76.9	5.3	5.3	8.0	8.0	5	6	82	82	818853	806194	<0.2	<0.2	1.4	1.4								
					7.3	0.6	38	28.7	8.0	8.0	24.1	24.1	81.5	81.5	5.5	5.5	9.1	8.0	7	6	88	82	818853	806194	<0.2	<0.2	1.7	1.4								
					7.3	0.6	41	28.7	8.0	8.0	24.1	24.1	81.5	81.5	5.5	5.5	8.9	8.0	6	6	88	82	818853	806194	<0.2	<0.2	1.6	1.4								
IM3	Fine	Moderate	11:42	8.7	Surface	1.0	0.6	23	29.0	8.1	8.1	21.3	21.4	74.2	74.2	5.1	5.1	7.9	8.6	2	8	78	84	819398	806024	<0.2	<0.2	1.5	1.3							
						1.0	0.6	23	28.9	8.1	8.1	21.5	21.4	74.2	74.2	5.1	5.1	8.0	8.6	4	8	78	84	819398	806024	<0.2	<0.2	1.6	1.3							
						4.4	0.6	36	28.8	8.1	8.1	21.8	21.9	74.4	74.4	5.1	5.1	9.1	8.6	7	8	83	84	819398	806024	<0.2	<0.2	1.3	1.3							
					4.4	0.6	38	28.8	8.1	8.1	21.9	21.9	74.4	74.4	5.1	5.1	9.2	8.6	8	8	84	84	819398	806024	<0.2	<0.2	1.3	1.3								
					7.7	0.6	32	28.6	8.1	8.1	25.5	25.5	77.2	77.2	5.2	5.2	8.7	8.6	13	8	90	84	819398	806024	<0.2	<0.2	1.0	1.3								
					7.7	0.6	34	28.6	8.1	8.1	25.5	25.5	77.4	77.4	5.2	5.2	8.5	8.6	12	8	90	84	819398	806024	<0.2	<0.2	0.9	1.3								
IM4	Fine	Moderate	11:50	8.1	Surface	1.0	0.5	4	29.1	8.0	8.0	18.1	18.1	74.2	74.2	5.2	5.2	8.7	10.9	4	5	80	83	819562	805034	<0.2	<0.2	1.9	1.7							
						1.0	0.5	4	29.1	8.0	8.0	18.1	18.1	74.2	74.2	5.2	5.2	8.8	10.9	4	5	79	83	819562	805034	<0.2	<0.2	1.9	1.7							
						4.1	0.7	15	28.7	8.1	8.1	20.1	20.1	74.6	74.6	5.2	5.2	11.8	10.9	4	5	82	83	819562	805034	<0.2	<0.2	1.7	1.7							
					4.1	0.7	16	28.7	8.1	8.1	20.1	20.1	74.6	74.6	5.2	5.2	12.0	10.9	6	5	83	83	819562	805034	<0.2	<0.2	1.6	1.7								
					7.1	0.6	11	28.6	8.1	8.1	25.6	25.6	78.6	78.6	5.3	5.3	12.1	10.9	5	5	86	83	819562	805034	<0.2	<0.2	1.6	1.7								
					7.1	0.6	12	28.6	8.1	8.1	25.6	25.6	78.9	78.9	5.3	5.3	11.9	10.9	5	5	86	83	819562	805034	<0.2	<0.2	1.4	1.7								
IM5	Fine	Moderate	12:00	7.5	Surface	1.0	0.7	21	29.4	8.0	8.0	17.5	17.5	75.2	75.2	5.2	5.2	8.7	15.2	4	6	76	80	820575	804925	<0.2	<0.2	2.0	1.8							
						1.0	0.8	21	29.4	8.0	8.0	17.5	17.5	75.2	75.2	5.2	5.2	8.8	15.2	5	6	77	80	820575	804925	<0.2	<0.2	2.0	1.8							
						3.8	0.7	20	29.0	8.1	8.1	20.4	20.4	74.2	74.0	5.1	5.1	13.0	15.2	6	6	79	80	820575	804925	<0.2	<0.2	1.8	1.8							
					3.8	0.7	21	29.0	8.1	8.1	20.4	20.4	73.8	74.0	5.1	5.1	14.3	15.2	5	6	79	80	820575	804925	<0.2	<0.2	1.6	1.8								
					6.5	0.5	21	28.4	8.1	8.1	25.7	25.7	73.2	73.2	4.9	4.9	23.4	15.2	8	6	83	80	820575	804925	<0.2	<0.2	1.6	1.8								
					6.5	0.5	22	28.4	8.1	8.1	25.7	25.7	73.7																							

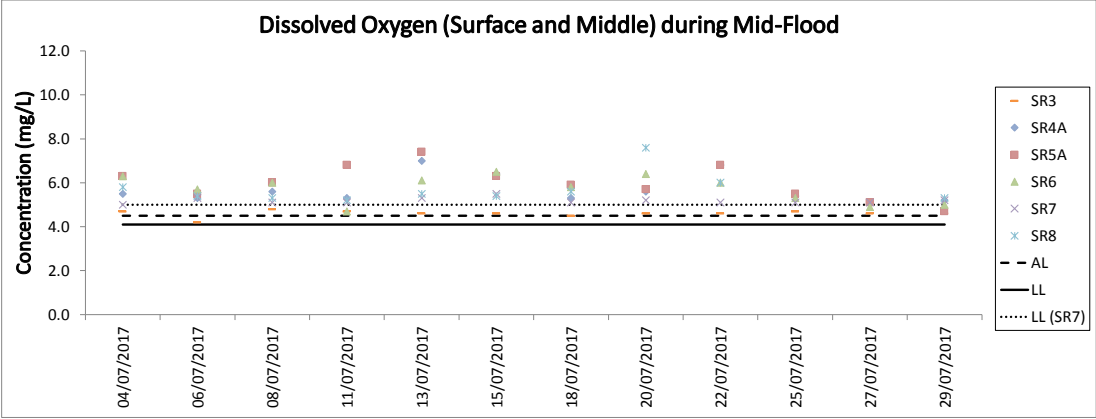
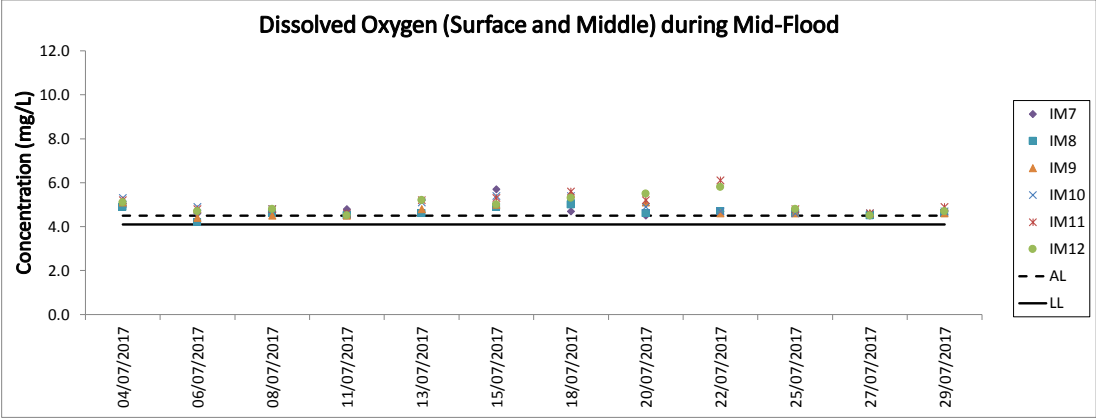
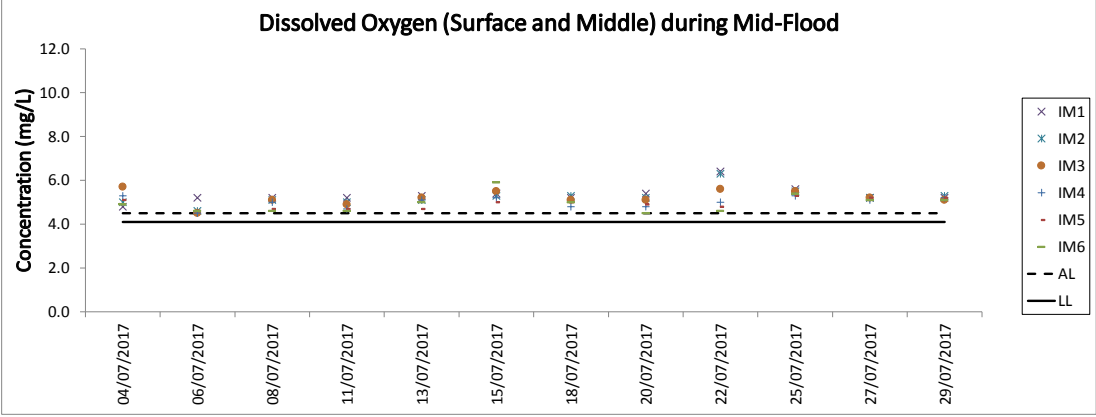
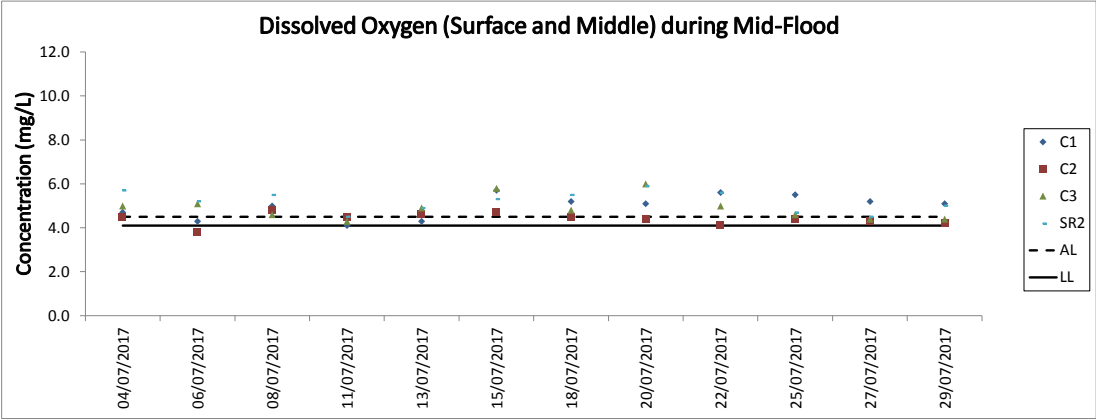




Note: SR8 does not have Action and Limit Levels for DO concentration.

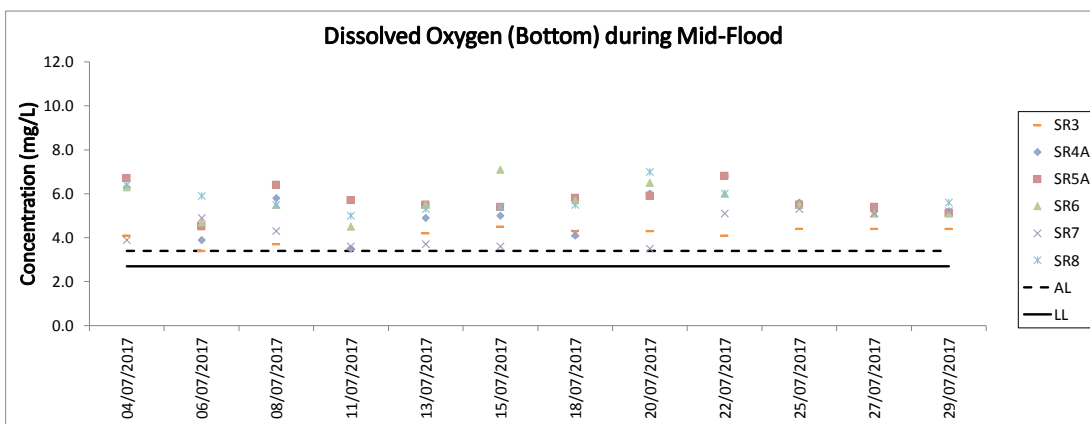
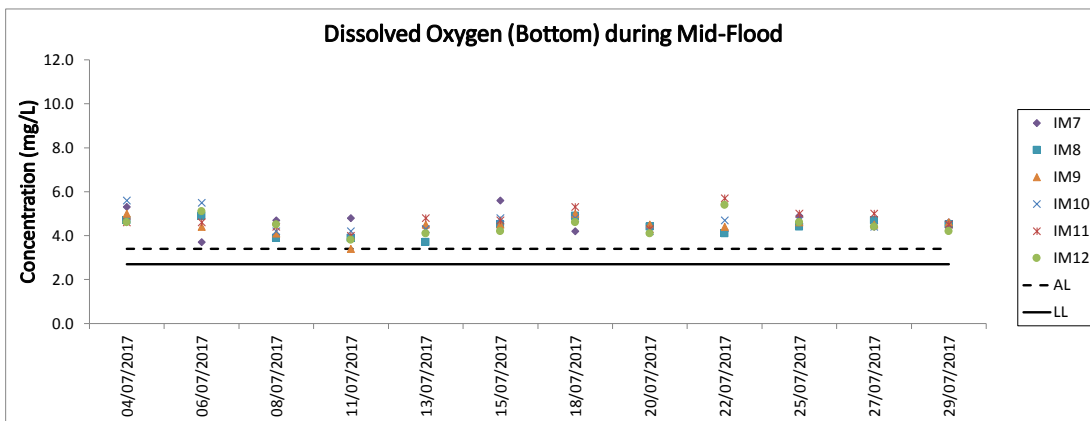
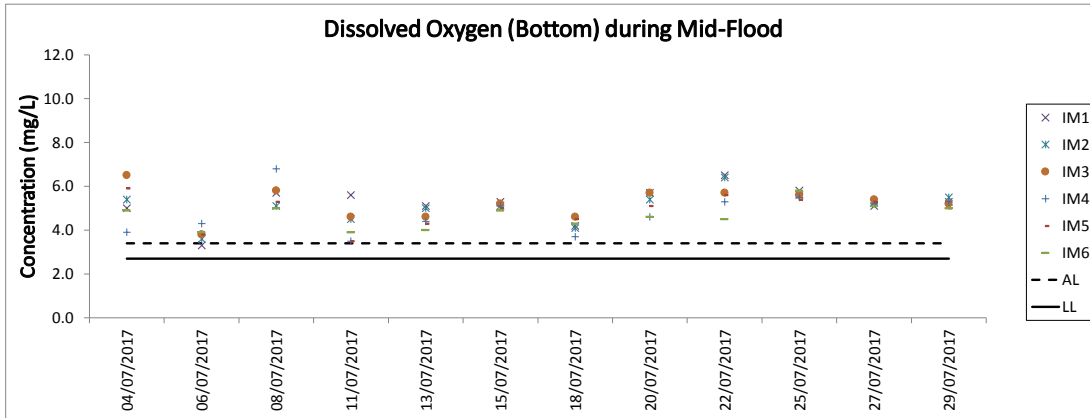
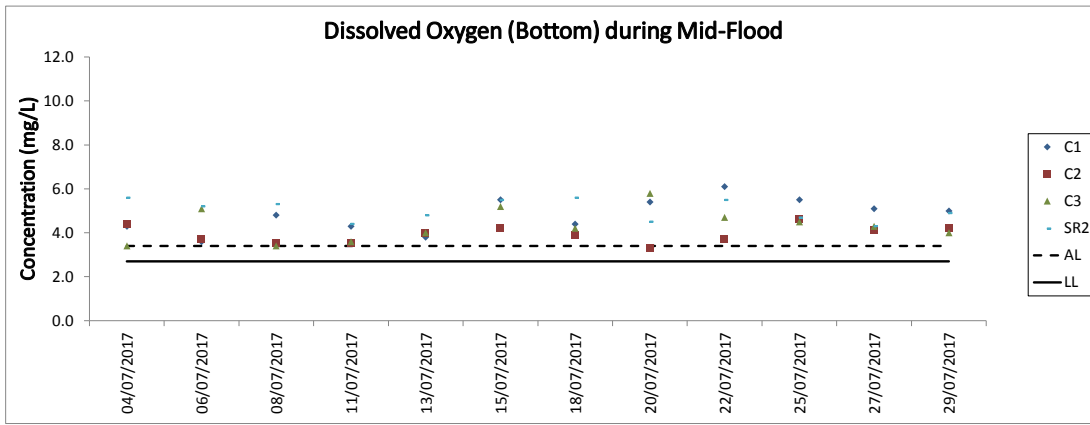


Note: SR8 does not have Action and Limit Levels for DO concentration.

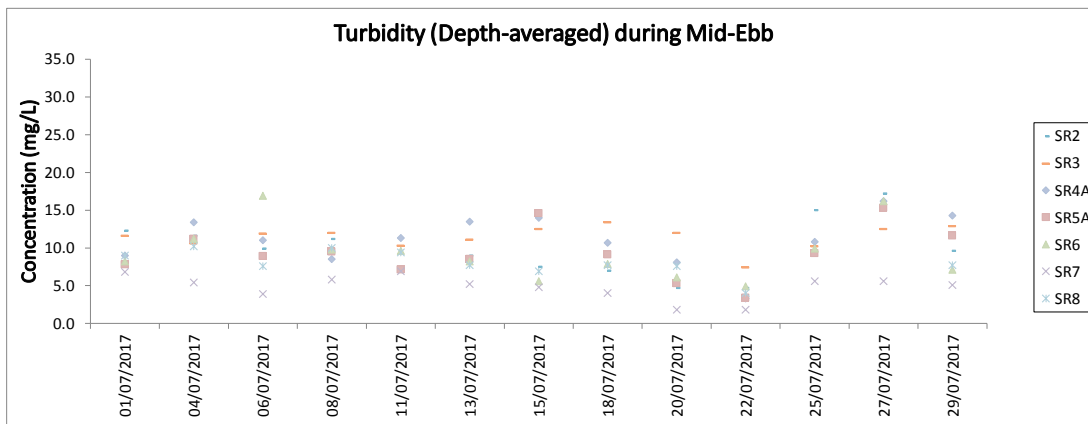
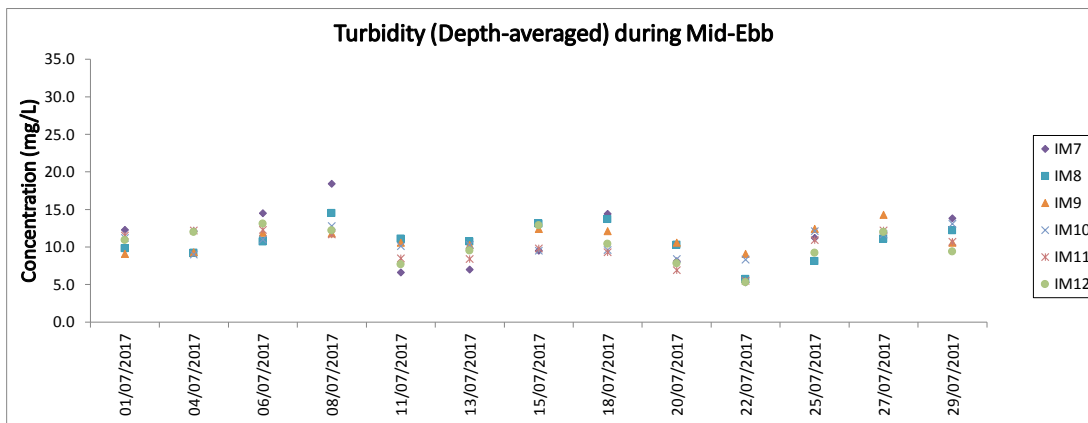
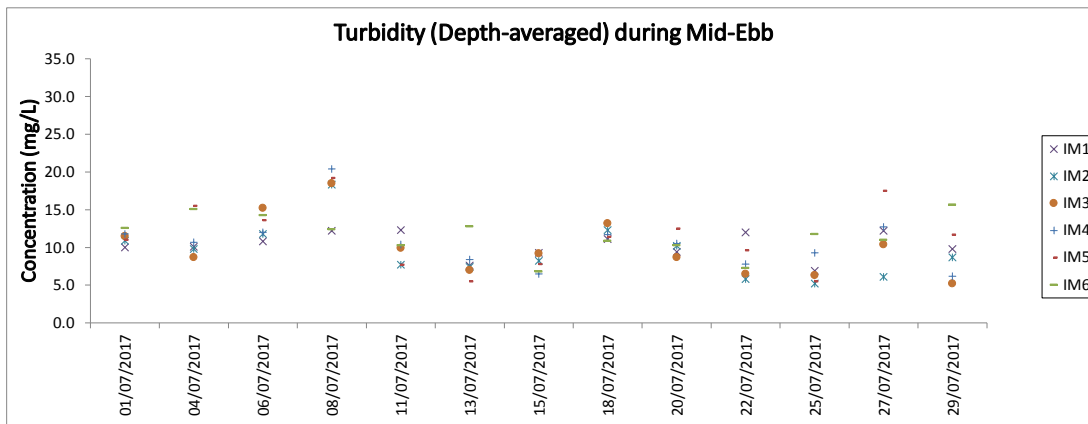
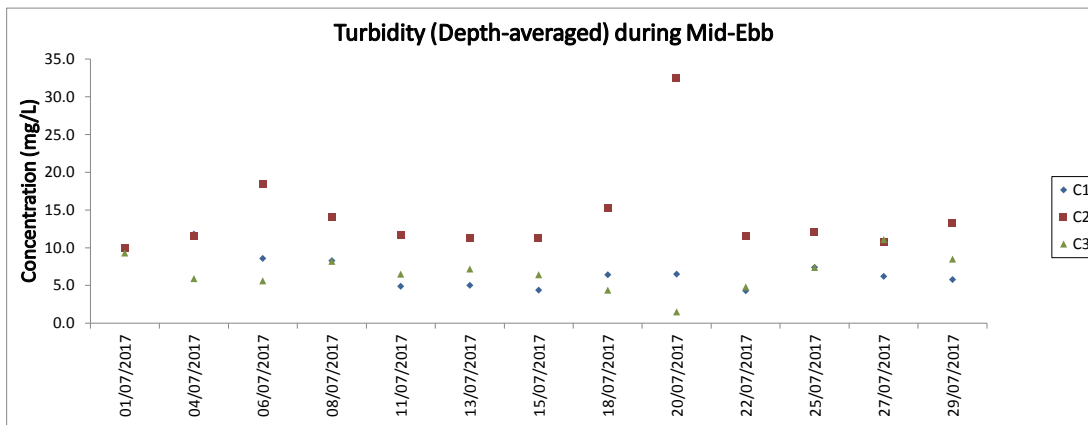


Note: SR8 does not have Action and Limit Levels for DO concentration.

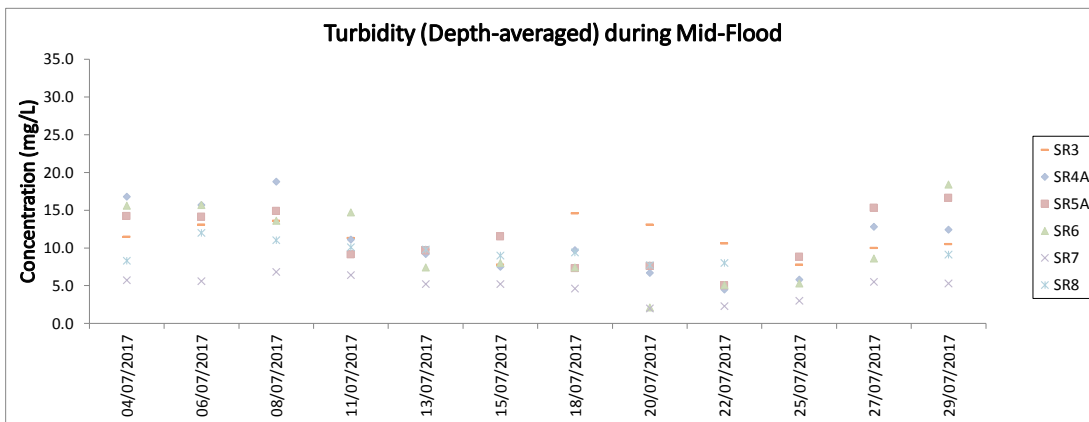
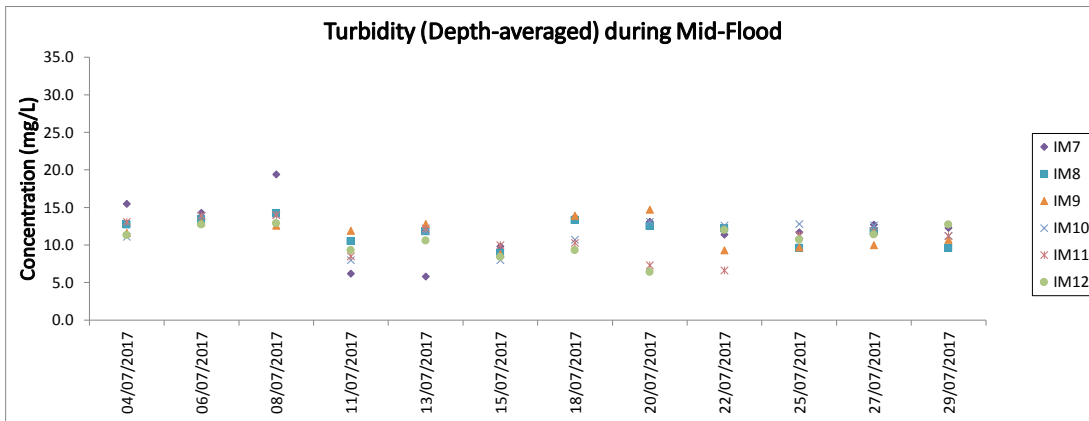
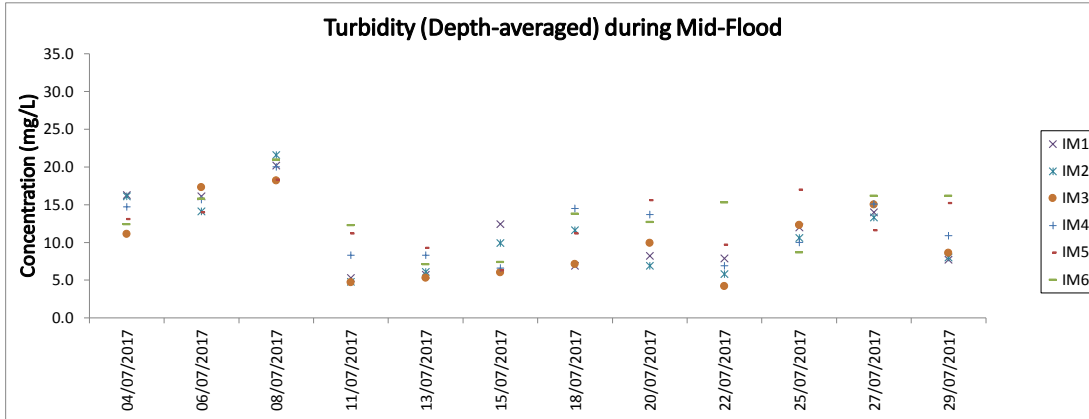
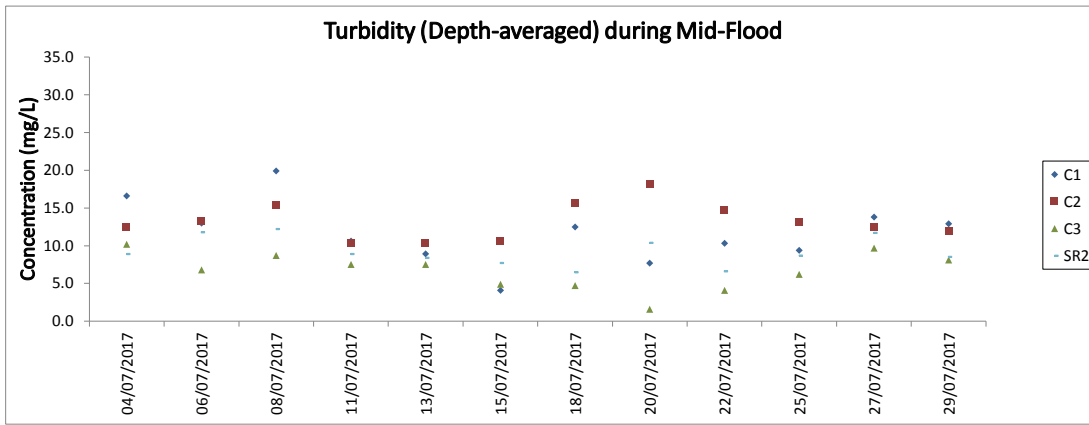




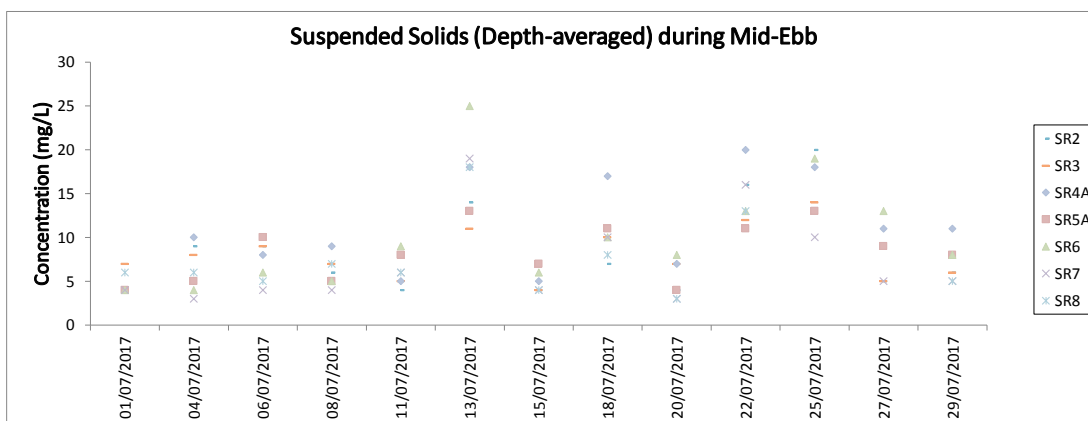
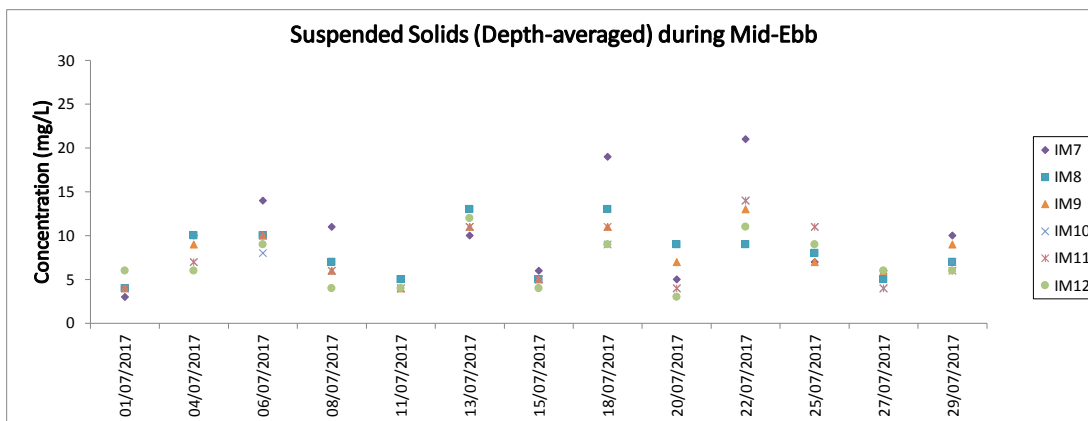
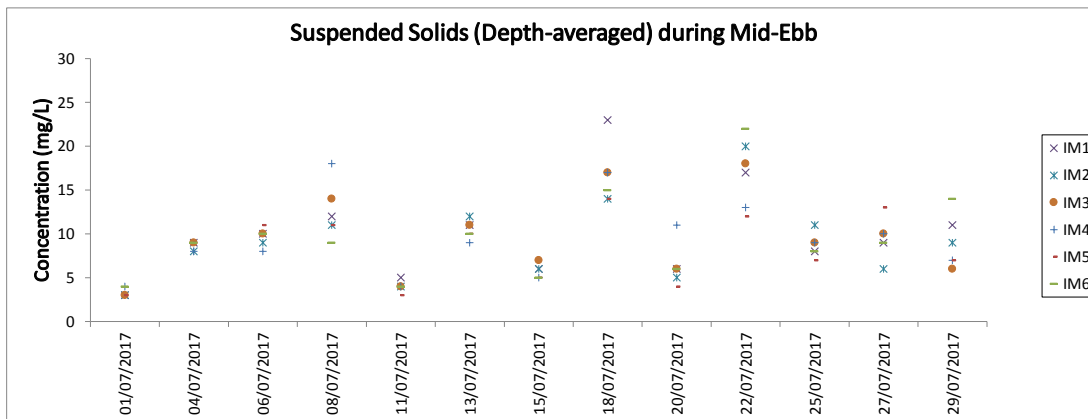
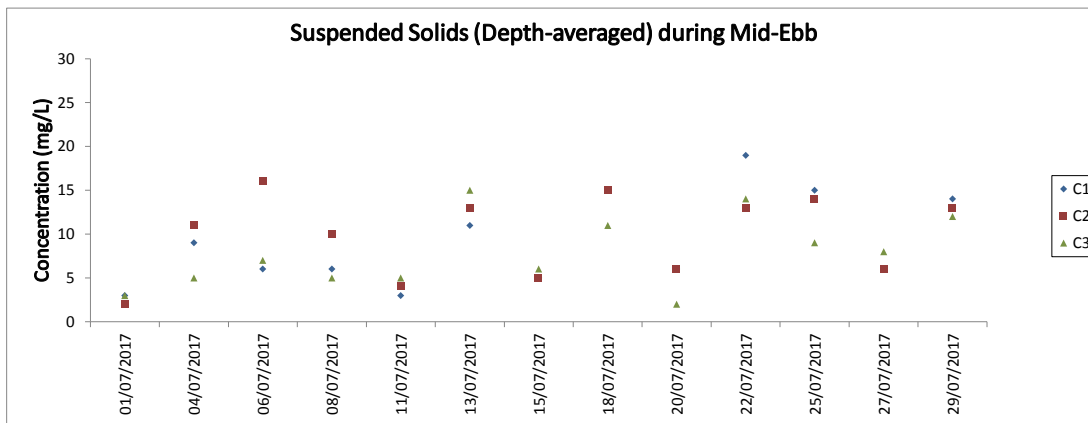
Note: SR8 does not have Action and Limit Levels for DO concentration.



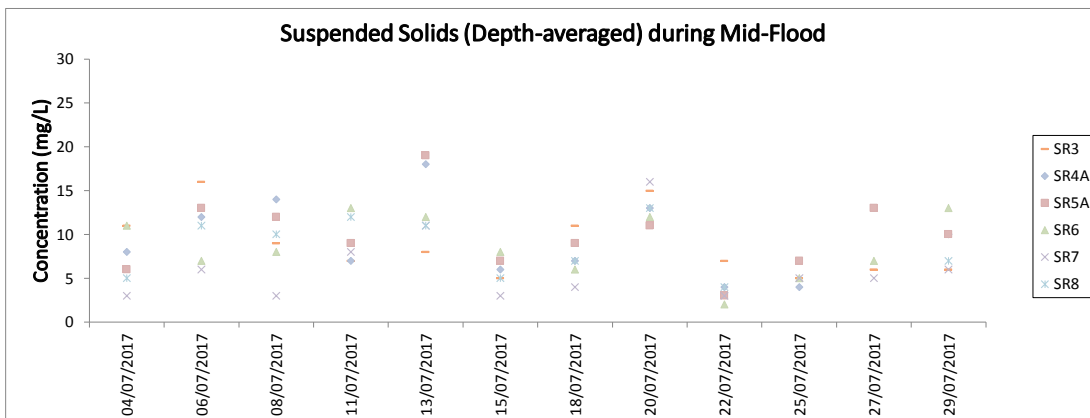
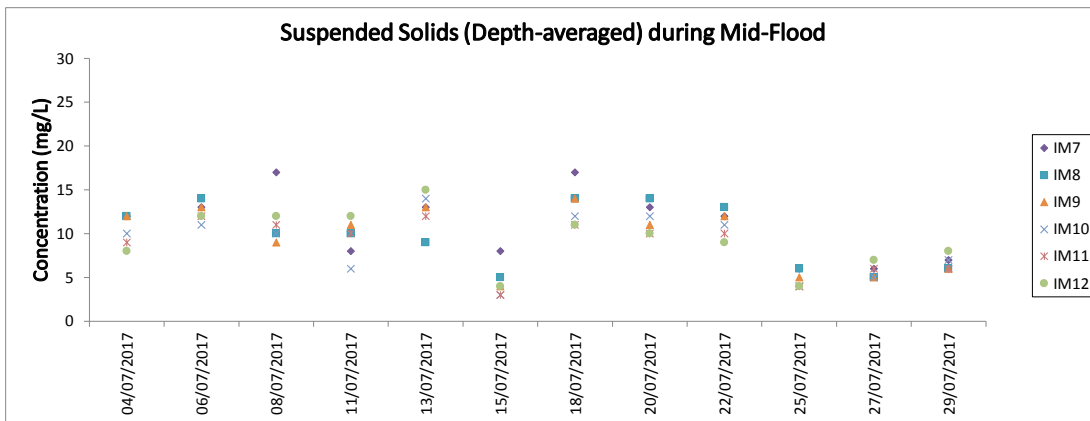
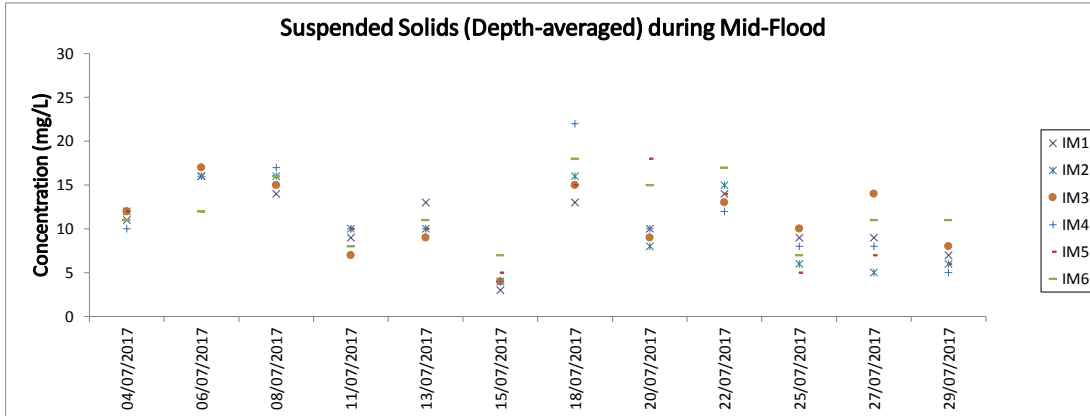
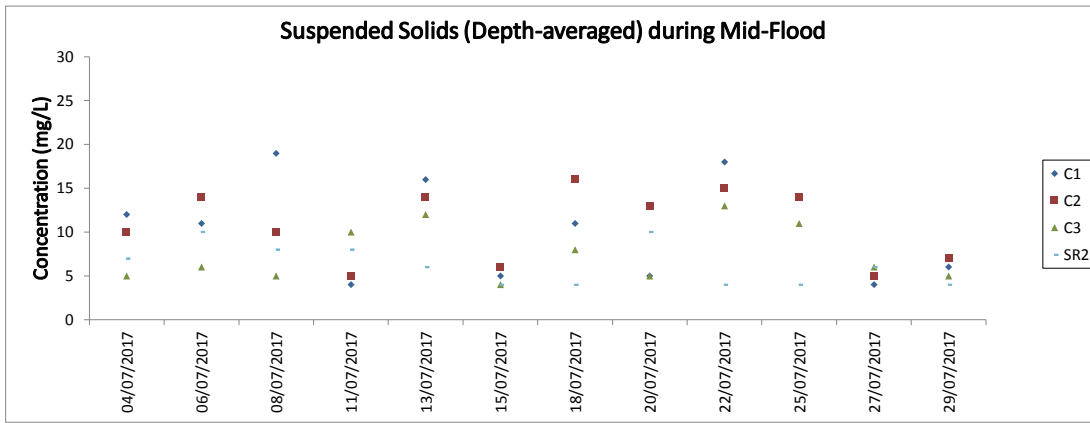
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



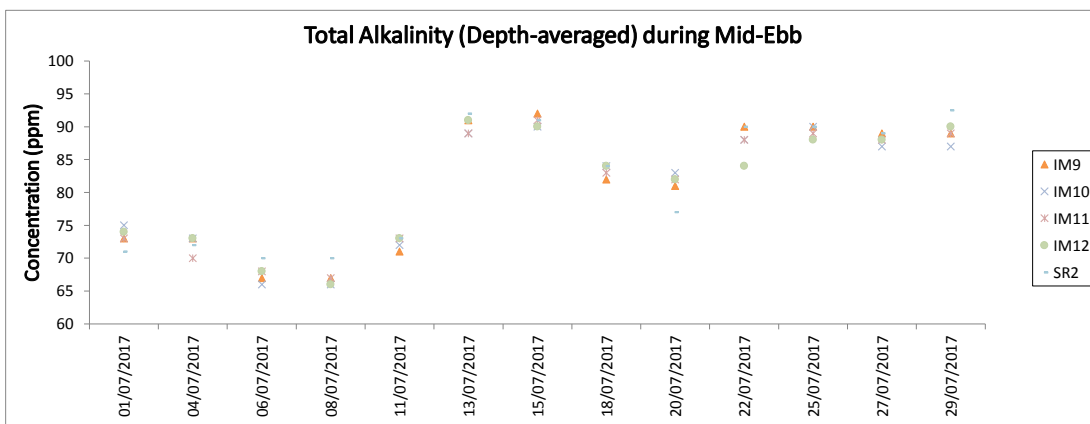
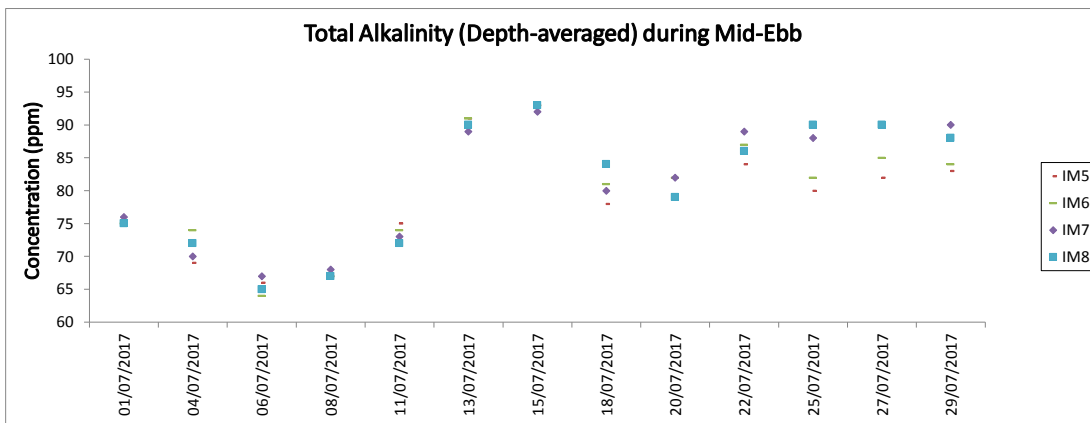
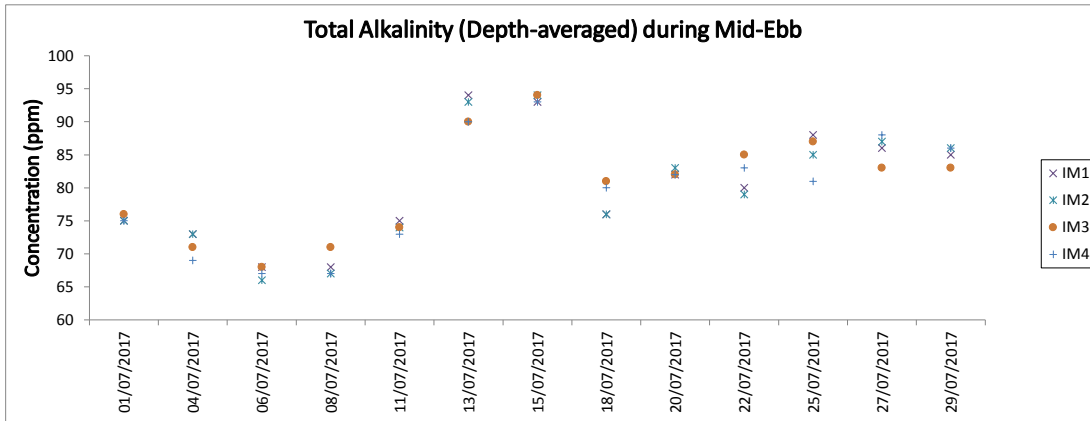
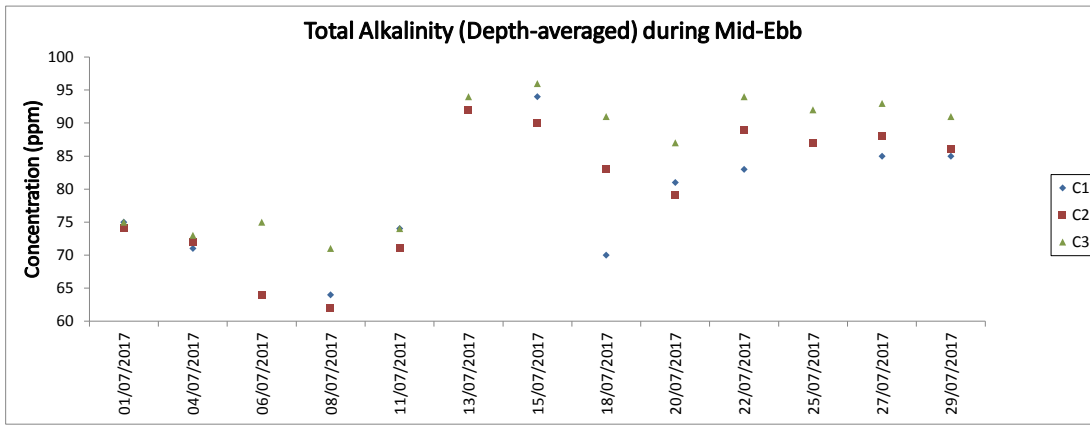
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



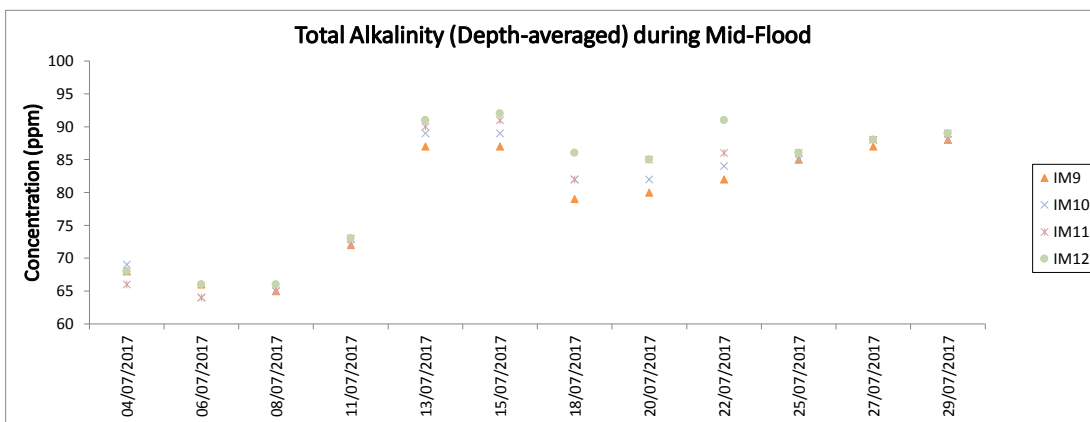
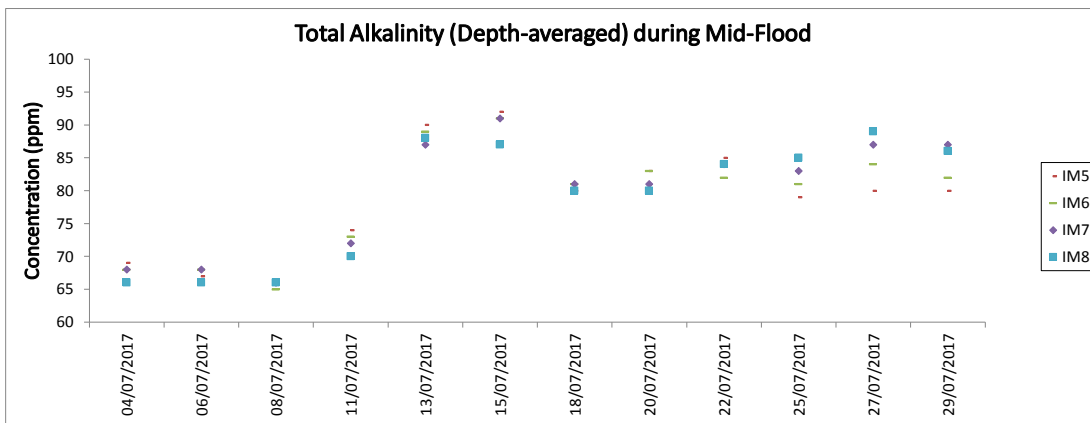
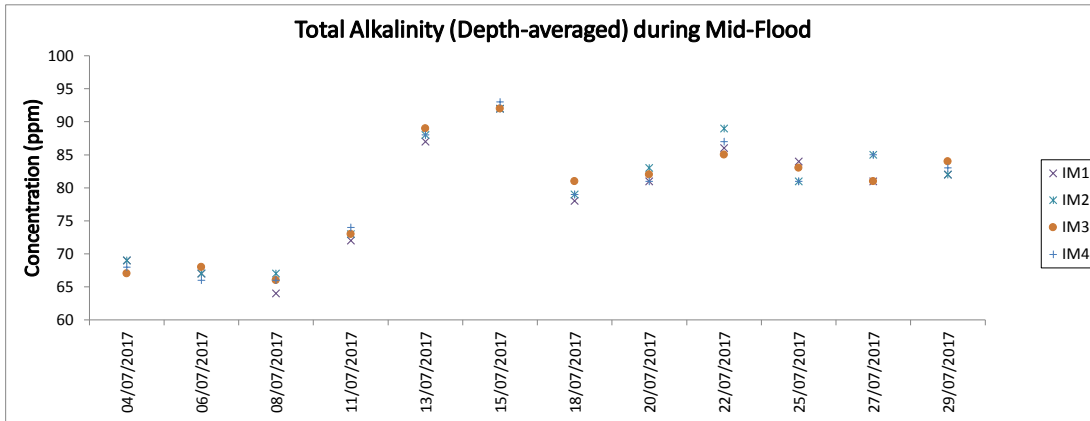
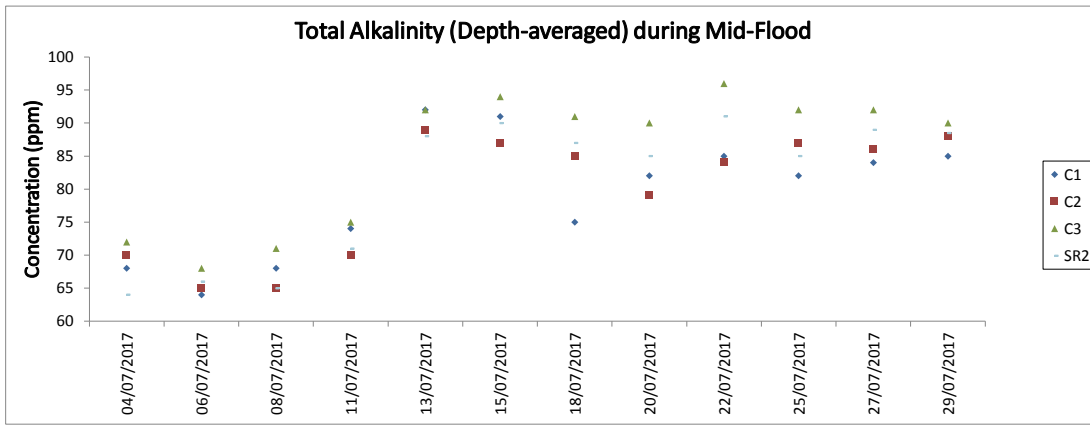
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



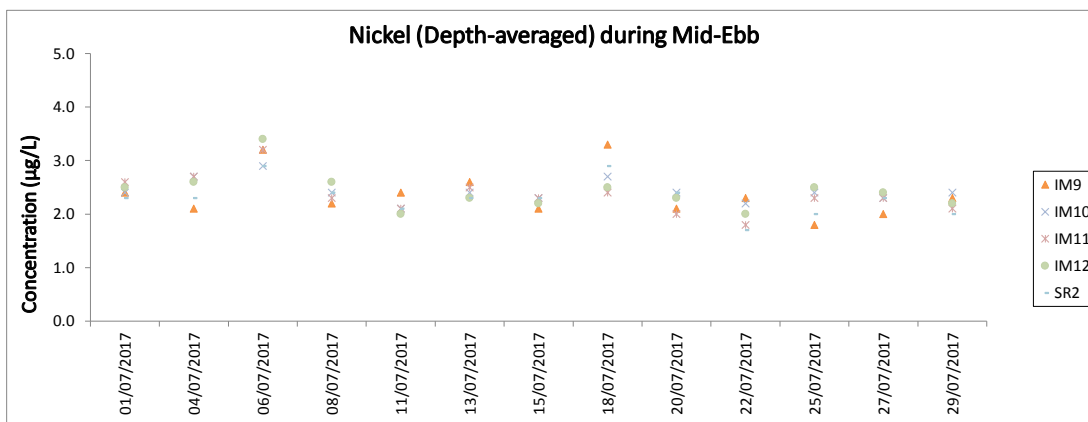
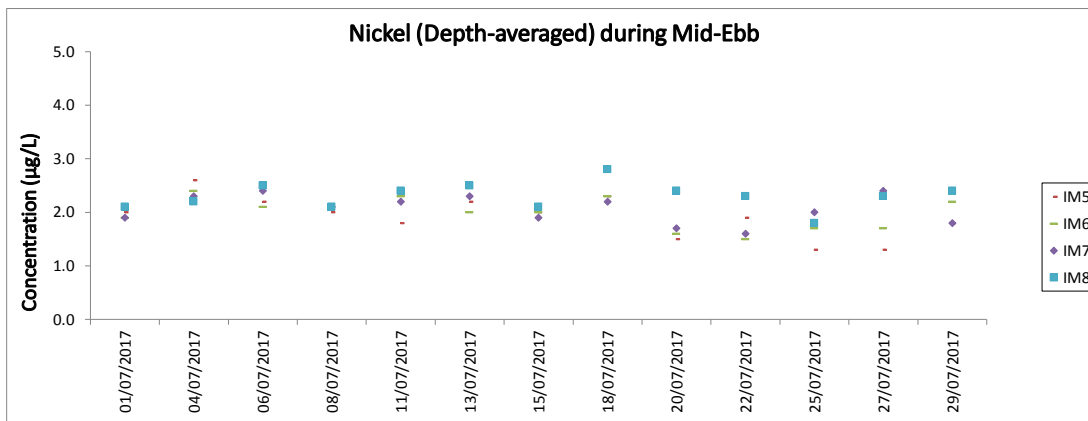
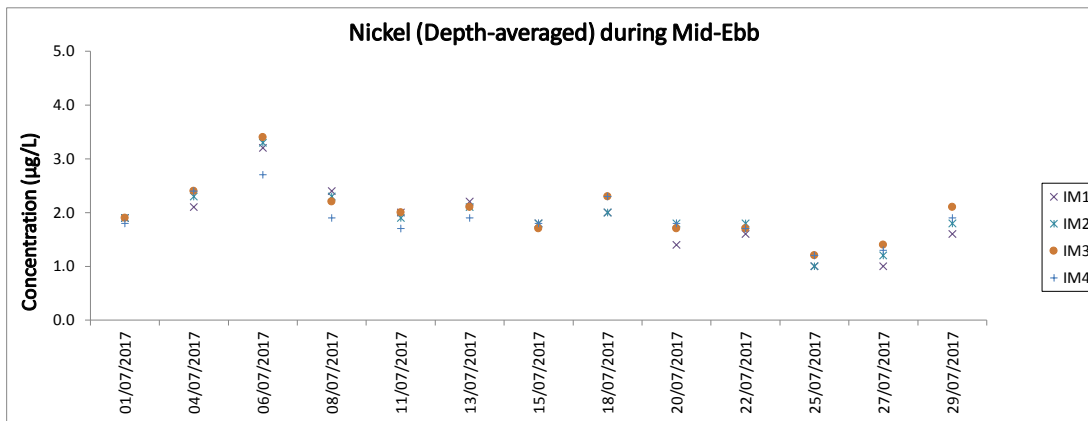
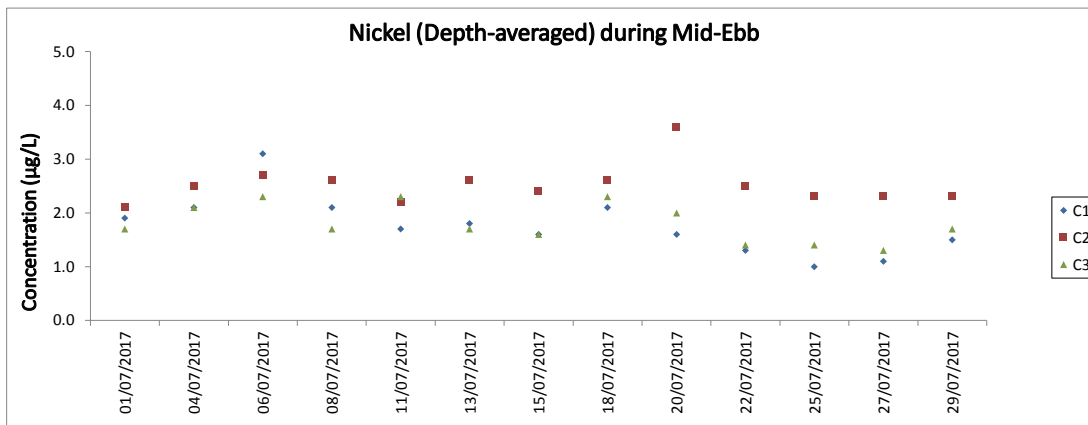
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



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

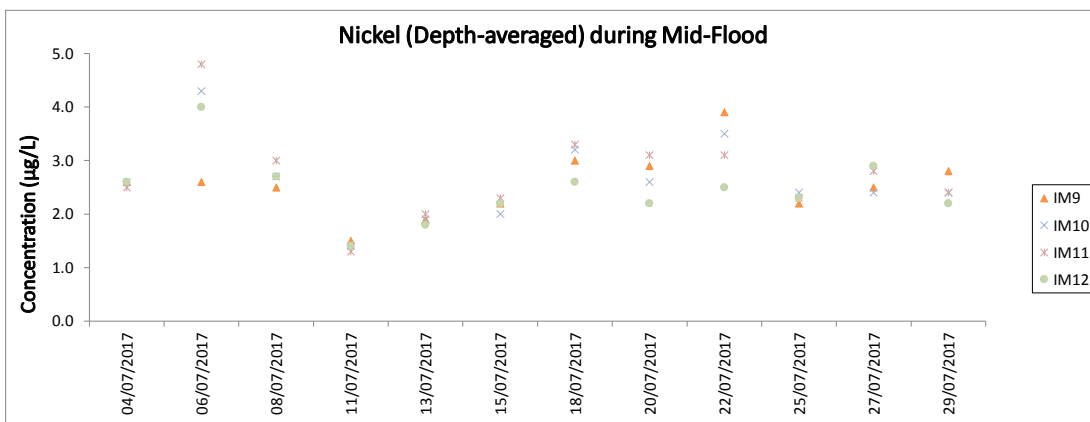
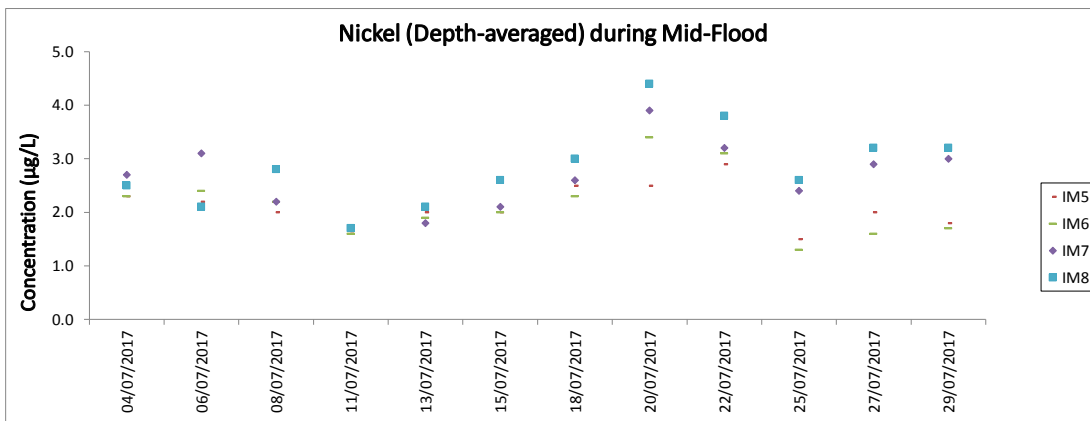
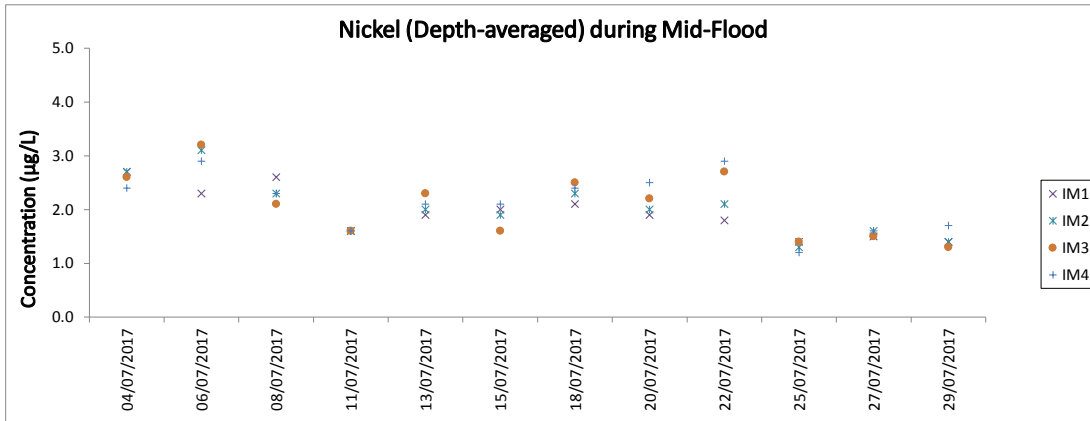
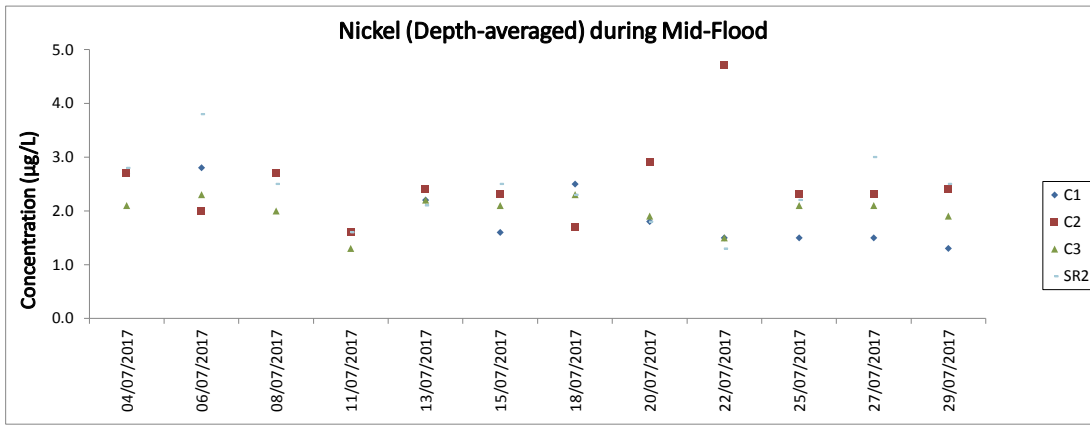


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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 was 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 was below the reporting limit 0.2 µg/L.

# Chinese White Dolphin Monitoring Results

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## CWD Small Vessel Line-transect Survey

## Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
04-May-17	SWL	1	1.190	SPRING	32166	3RS ET
04-May-17	SWL	2	43.260	SPRING	32166	3RS ET
04-May-17	SWL	3	17.450	SPRING	32166	3RS ET
05-May-17	AW	1	5.010	SPRING	32166	3RS ET
05-May-17	WL	2	24.605	SPRING	32166	3RS ET
05-May-17	WL	3	7.320	SPRING	32166	3RS ET
05-May-17	SWL	1	2.630	SPRING	32166	3RS ET
05-May-17	SWL	2	4.260	SPRING	32166	3RS ET
08-May-17	NWL	3	51.352	SPRING	32166	3RS ET
08-May-17	NWL	4	24.048	SPRING	32166	3RS ET
09-May-17	NEL	2	40.300	SPRING	32166	3RS ET
09-May-17	NEL	3	7.100	SPRING	32166	3RS ET
11-May-17	AW	1	4.590	SPRING	32166	3RS ET
11-May-17	WL	1	13.043	SPRING	32166	3RS ET
11-May-17	WL	2	2.621	SPRING	32166	3RS ET
11-May-17	WL	3	7.059	SPRING	32166	3RS ET
11-May-17	WL	4	5.220	SPRING	32166	3RS ET
11-May-17	SWL	2	0.520	SPRING	32166	3RS ET
11-May-17	SWL	3	2.050	SPRING	32166	3RS ET
11-May-17	SWL	4	2.970	SPRING	32166	3RS ET
17-May-17	NWL	1	8.700	SPRING	32166	3RS ET
17-May-17	NWL	2	60.600	SPRING	32166	3RS ET
17-May-17	NWL	3	6.300	SPRING	32166	3RS ET
22-May-17	NEL	2	6.960	SPRING	32166	3RS ET
22-May-17	NEL	3	27.140	SPRING	32166	3RS ET
22-May-17	NEL	4	12.700	SPRING	32166	3RS ET
23-May-17	SWL	2	26.840	SPRING	32166	3RS ET
23-May-17	SWL	3	33.160	SPRING	32166	3RS ET
07-Jun-17	SWL	2	33.230	SUMMER	32166	3RS ET
07-Jun-17	SWL	3	27.200	SUMMER	32166	3RS ET
07-Jun-17	SWL	4	1.900	SUMMER	32166	3RS ET
08-Jun-17	NWL	2	29.074	SUMMER	32166	3RS ET
08-Jun-17	NWL	3	26.566	SUMMER	32166	3RS ET
08-Jun-17	NWL	4	18.660	SUMMER	32166	3RS ET
08-Jun-17	NWL	5	1.100	SUMMER	32166	3RS ET
09-Jun-17	AW	1	1.040	SUMMER	32166	3RS ET
09-Jun-17	AW	2	3.900	SUMMER	32166	3RS ET
09-Jun-17	WL	1	2.850	SUMMER	32166	3RS ET
09-Jun-17	WL	2	5.782	SUMMER	32166	3RS ET
09-Jun-17	WL	3	13.859	SUMMER	32166	3RS ET
09-Jun-17	WL	4	8.589	SUMMER	32166	3RS ET
09-Jun-17	WL	5	0.920	SUMMER	32166	3RS ET
09-Jun-17	SWL	2	0.521	SUMMER	32166	3RS ET
09-Jun-17	SWL	3	1.399	SUMMER	32166	3RS ET
09-Jun-17	SWL	4	4.060	SUMMER	32166	3RS ET
12-Jun-17	NEL	2	1.100	SUMMER	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
12-Jun-17	NEL	3	28.890	SUMMER	32166	3RS ET
12-Jun-17	NEL	4	7.910	SUMMER	32166	3RS ET
15-Jun-17	NEL	1	4.600	SUMMER	32166	3RS ET
15-Jun-17	NEL	2	37.200	SUMMER	32166	3RS ET
22-Jun-17	SWL	2	25.837	SUMMER	32166	3RS ET
22-Jun-17	SWL	3	29.935	SUMMER	32166	3RS ET
22-Jun-17	SWL	4	2.840	SUMMER	32166	3RS ET
23-Jun-17	NWL	2	37.550	SUMMER	32166	3RS ET
23-Jun-17	NWL	3	31.360	SUMMER	32166	3RS ET
23-Jun-17	NWL	4	4.790	SUMMER	32166	3RS ET
23-Jun-17	NEL	2	4.930	SUMMER	32166	3RS ET
23-Jun-17	NEL	3	2.930	SUMMER	32166	3RS ET
28-Jun-17	AW	2	4.750	SUMMER	32166	3RS ET
28-Jun-17	WL	2	4.697	SUMMER	32166	3RS ET
28-Jun-17	WL	3	16.707	SUMMER	32166	3RS ET
28-Jun-17	WL	4	8.280	SUMMER	32166	3RS ET
28-Jun-17	SWL	3	4.960	SUMMER	32166	3RS ET
11-Jul-17	AW	2	4.860	SUMMER	32166	3RS ET
11-Jul-17	WL	2	12.725	SUMMER	32166	3RS ET
11-Jul-17	WL	3	13.429	SUMMER	32166	3RS ET
11-Jul-17	WL	4	2.400	SUMMER	32166	3RS ET
11-Jul-17	SWL	2	1.616	SUMMER	32166	3RS ET
11-Jul-17	SWL	3	3.150	SUMMER	32166	3RS ET
12-Jul-17	NWL	1	16.730	SUMMER	32166	3RS ET
12-Jul-17	NWL	2	27.170	SUMMER	32166	3RS ET
12-Jul-17	NWL	3	30.520	SUMMER	32166	3RS ET
12-Jul-17	NWL	4	0.700	SUMMER	32166	3RS ET
13-Jul-17	NEL	2	4.253	SUMMER	32166	3RS ET
13-Jul-17	NEL	3	27.477	SUMMER	32166	3RS ET
13-Jul-17	NEL	4	14.770	SUMMER	32166	3RS ET
14-Jul-17	NWL	2	29.960	SUMMER	32166	3RS ET
14-Jul-17	NWL	3	33.840	SUMMER	32166	3RS ET
14-Jul-17	NWL	4	9.330	SUMMER	32166	3RS ET
20-Jul-17	SWL	2	9.500	SUMMER	32166	3RS ET
20-Jul-17	SWL	3	39.350	SUMMER	32166	3RS ET
20-Jul-17	SWL	4	12.780	SUMMER	32166	3RS ET
20-Jul-17	SWL	5	1.030	SUMMER	32166	3RS ET
21-Jul-17	AW	2	3.510	SUMMER	32166	3RS ET
21-Jul-17	AW	3	1.320	SUMMER	32166	3RS ET
21-Jul-17	WL	2	13.854	SUMMER	32166	3RS ET
21-Jul-17	WL	3	10.040	SUMMER	32166	3RS ET
21-Jul-17	WL	4	7.050	SUMMER	32166	3RS ET
21-Jul-17	SWL	3	1.970	SUMMER	32166	3RS ET
21-Jul-17	SWL	4	4.660	SUMMER	32166	3RS ET
25-Jul-17	NEL	2	31.060	SUMMER	32166	3RS ET
25-Jul-17	NEL	3	15.740	SUMMER	32166	3RS ET
26-Jul-17	SWL	2	41.124	SUMMER	32166	3RS ET
26-Jul-17	SWL	3	11.530	SUMMER	32166	3RS ET

<b>DATE</b>	<b>AREA</b>	<b>BEAU</b>	<b>KM SEARCHED</b>	<b>SEASON</b>	<b>VESSEL</b>	<b>TYPE</b>
26-Jul-17	SWL	4	9.430	SUMMER	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. May and June 2017) 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.
04-May-17	1	1423	CWD	2	SWL	1	318	ON	3RS ET	22.2114	113.8839	SPRING	NONE
05-May-17	1	1032	CWD	11	WL	3	143	ON	3RS ET	22.2318	113.8279	SPRING	NONE
05-May-17	2	1121	CWD	3	WL	2	263	ON	3RS ET	22.2231	113.8363	SPRING	NONE
05-May-17	3	1135	CWD	1	WL	2	271	ON	3RS ET	22.2230	113.8263	SPRING	NONE
05-May-17	4	1211	CWD	5	WL	2	343	ON	3RS ET	22.2053	113.8398	SPRING	NONE
05-May-17	5	1305	CWD	7	WL	2	650	ON	3RS ET	22.1966	113.8405	SPRING	NONE
11-May-17	1	1041	CWD	1	WL	1	171	ON	3RS ET	22.2598	113.8467	SPRING	NONE
11-May-17	2	1118	CWD	9	WL	1	800	ON	3RS ET	22.2466	113.8511	SPRING	NONE
11-May-17	3	1148	CWD	13	WL	2	442	ON	3RS ET	22.2414	113.8442	SPRING	NONE
11-May-17	4	1217	CWD	6	WL	2	118	ON	3RS ET	22.2407	113.8333	SPRING	NONE
11-May-17	5	1228	CWD	6	WL	1	79	ON	3RS ET	22.2378	113.8266	SPRING	NONE
11-May-17	6	1236	CWD	7	WL	2	760	ON	3RS ET	22.2316	113.8287	SPRING	NONE
11-May-17	7	1315	CWD	9	WL	3	306	ON	3RS ET	22.2231	113.8195	SPRING	NONE
11-May-17	8	1335	CWD	11	WL	3	26	ON	3RS ET	22.2157	113.8177	SPRING	NONE
11-May-17	9	1432	CWD	6	WL	3	1021	ON	3RS ET	22.1867	113.8433	SPRING	NONE
11-May-17	10	1513	CWD	6	SWL	4	409	ON	3RS ET	22.1827	113.8498	SPRING	NONE
11-May-17	11	1543	CWD	4	SWL	3	354	ON	3RS ET	22.1967	113.8590	SPRING	NONE
23-May-17	1	1115	CWD	2	SWL	3	1472	ON	3RS ET	22.1802	113.9281	SPRING	NONE
23-May-17	2	1459	CWD	2	SWL	2	N/A	OFF	3RS ET	22.2029	113.8976	SPRING	NONE
07-Jun-17	1	1224	CWD	1	SWL	2	N/A	OFF	3RS ET	22.1766	113.9070	SUMMER	NONE
07-Jun-17	2	1249	CWD	6	SWL	2	125	ON	3RS ET	22.2030	113.9079	SUMMER	NONE
07-Jun-17	3	1507	CWD	2	SWL	2	116	ON	3RS ET	22.2007	113.8684	SUMMER	NONE
08-Jun-17	1	1202	CWD	2	NWL	3	362	ON	3RS ET	22.3993	113.8889	SUMMER	NONE
09-Jun-17	1	1106	CWD	5	WL	2	846	ON	3RS ET	22.2413	113.8450	SUMMER	NONE
09-Jun-17	2	1207	CWD	2	WL	4	138	ON	3RS ET	22.2311	113.8382	SUMMER	NONE
09-Jun-17	3	1240	CWD	3	WL	3	44	ON	3RS ET	22.2120	113.8372	SUMMER	NONE
09-Jun-17	4	1358	CWD	5	SWL	3	6	ON	3RS ET	22.1915	113.8592	SUMMER	NONE
22-Jun-17	1	1026	CWD	9	SWL	2	620	ON	3RS ET	22.2094	113.9364	SUMMER	NONE
22-Jun-17	2	1200	CWD	3	SWL	3	11	ON	3RS ET	22.2054	113.9266	SUMMER	NONE
22-Jun-17	3	1212	CWD	1	SWL	3	67	ON	3RS ET	22.2055	113.9258	SUMMER	NONE
22-Jun-17	4	1222	CWD	1	SWL	3	25	ON	3RS ET	22.2053	113.9191	SUMMER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
22-Jun-17	5	1230	CWD	2	SWL	2	64	ON	3RS ET	22.2026	113.9178	SUMMER	NONE
22-Jun-17	6	1248	CWD	1	SWL	2	720	ON	3RS ET	22.1941	113.9184	SUMMER	NONE
22-Jun-17	7	1354	CWD	2	SWL	2	28	ON	3RS ET	22.1916	113.9083	SUMMER	NONE
22-Jun-17	8	1406	CWD	3	SWL	2	5	ON	3RS ET	22.2063	113.9061	SUMMER	NONE
23-Jun-17	1	1001	CWD	1	NWL	2	72	ON	3RS ET	22.3476	113.8690	SUMMER	NONE
23-Jun-17	2	1212	CWD	2	NWL	3	17	ON	3RS ET	22.4073	113.8882	SUMMER	NONE
28-Jun-17	1	1028	CWD	3	WL	3	869	ON	3RS ET	22.2694	113.8568	SUMMER	NONE
28-Jun-17	2	1047	CWD	3	WL	2	65	ON	3RS ET	22.2649	113.8580	SUMMER	NONE
28-Jun-17	3	1119	CWD	5	WL	3	49	ON	3RS ET	22.2480	113.8515	SUMMER	NONE
28-Jun-17	4	1141	CWD	2	WL	3	250	ON	3RS ET	22.2411	113.8454	SUMMER	NONE
28-Jun-17	5	1201	CWD	2	WL	3	4	ON	3RS ET	22.2321	113.8296	SUMMER	NONE
28-Jun-17	6	1214	CWD	5	WL	4	482	ON	3RS ET	22.2232	113.8342	SUMMER	NONE
28-Jun-17	7	1250	CWD	2	WL	3	441	ON	3RS ET	22.2144	113.8268	SUMMER	NONE
28-Jun-17	8	1330	CWD	5	WL	3	224	ON	3RS ET	22.1953	113.8375	SUMMER	NONE
28-Jun-17	9	1428	CWD	1	SWL	3	1164	ON	3RS ET	22.1831	113.8593	SUMMER	NONE
11-Jul-17	1	1038	CWD	2	WL	2	82	ON	3RS ET	22.2668	113.8592	SUMMER	NONE
11-Jul-17	2	1055	CWD	8	WL	2	19	ON	3RS ET	22.2608	113.8536	SUMMER	NONE
11-Jul-17	3	1133	CWD	2	WL	3	351	ON	3RS ET	22.2498	113.8403	SUMMER	NONE
11-Jul-17	4	1144	CWD	1	WL	2	8	ON	3RS ET	22.2500	113.8500	SUMMER	NONE
11-Jul-17	5	1159	CWD	4	WL	2	726	ON	3RS ET	22.2432	113.8488	SUMMER	NONE
11-Jul-17	6	1216	CWD	1	WL	2	17	ON	3RS ET	22.2414	113.8463	SUMMER	NONE
11-Jul-17	7	1242	CWD	2	WL	3	11	ON	3RS ET	22.2279	113.8378	SUMMER	NONE
11-Jul-17	8	1259	CWD	2	WL	3	196	ON	3RS ET	22.2185	113.8137	SUMMER	NONE
11-Jul-17	9	1318	CWD	2	WL	3	16	ON	3RS ET	22.2143	113.8333	SUMMER	NONE
11-Jul-17	10	1350	CWD	7	WL	4	324	ON	3RS ET	22.1969	113.8397	SUMMER	NONE
11-Jul-17	11	1414	CWD	3	WL	4	157	ON	3RS ET	22.1864	113.8401	SUMMER	NONE
11-Jul-17	12	1435	CWD	4	SWL	2	118	ON	3RS ET	22.1903	113.8499	SUMMER	NONE
11-Jul-17	13	1506	CWD	4	SWL	2	299	ON	3RS ET	22.1883	113.8593	SUMMER	NONE
12-Jul-17	1	0950	CWD	2	NWL	1	70	ON	3RS ET	22.3715	113.8673	SUMMER	NONE
12-Jul-17	2	1316	CWD	1	NWL	3	102	ON	3RS ET	22.3998	113.8983	SUMMER	NONE
14-Jul-17	1	0953	CWD	1	NWL	3	351	ON	3RS ET	22.3615	113.8666	SUMMER	NONE
14-Jul-17	2	1048	CWD	2	NWL	2	890	ON	3RS ET	22.2773	113.8689	SUMMER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
14-Jul-17	3	1210	CWD	1	NWL	2	169	ON	3RS ET	22.3909	113.8780	SUMMER	NONE
20-Jul-17	1	1412	CWD	2	SWL	3	319	ON	3RS ET	22.1776	113.8785	SUMMER	NONE
20-Jul-17	2	1457	CWD	1	SWL	3	2226	ON	3RS ET	22.1900	113.8678	SUMMER	NONE
20-Jul-17	3	1524	CWD	3	WL	2	N/A	OFF	3RS ET	22.2178	113.8339	SUMMER	NONE
21-Jul-17	1	1032	CWD	5	WL	2	20	ON	3RS ET	22.2649	113.8585	SUMMER	NONE
21-Jul-17	2	1131	CWD	2	WL	3	65	ON	3RS ET	22.2318	113.8372	SUMMER	NONE
21-Jul-17	3	1151	CWD	2	WL	2	17	ON	3RS ET	22.2288	113.8383	SUMMER	NONE
21-Jul-17	4	1208	CWD	2	WL	3	190	ON	3RS ET	22.2182	113.8138	SUMMER	NONE
21-Jul-17	5	1223	CWD	2	WL	4	27	ON	3RS ET	22.2139	113.8322	SUMMER	NONE
21-Jul-17	6	1243	CWD	1	WL	4	62	ON	3RS ET	22.2048	113.8383	SUMMER	NONE
21-Jul-17	7	1310	CWD	6	WL	3	27	ON	3RS ET	22.1956	113.8425	SUMMER	NONE
26-Jul-17	1	1026	CWD	1	WL	2	N/A	OFF	3RS ET	22.2362	113.8409	SUMMER	NONE
26-Jul-17	2	1033	CWD	2	WL	2	N/A	OFF	3RS ET	22.2183	113.8339	SUMMER	NONE
26-Jul-17	3	1045	CWD	2	SWL	2	N/A	OFF	3RS ET	22.1948	113.8509	SUMMER	NONE
26-Jul-17	4	1056	CWD	3	SWL	2	252	ON	3RS ET	22.1999	113.8684	SUMMER	NONE
26-Jul-17	5	1301	CWD	7	SWL	2	234	ON	3RS ET	22.2036	113.9083	SUMMER	NONE
26-Jul-17	6	1411	FP	2	SWL	3	87	ON	3RS ET	22.1534	113.9183	SUMMER	NONE
26-Jul-17	7	1437	CWD	2	SWL	3	711	ON	3RS ET	22.2040	113.9181	SUMMER	GILLNET

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. May and June 2017) 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 July 2017 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):



A total of 384.728 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 26 on-effort sightings and total number of 71 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in July 2017 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in July 2017

$$STG = \frac{26}{384.728} \times 100 = 6.76$$

Encounter Rate by Number of Dolphins (ANI) in July 2017

$$ANI = \frac{71}{384.728} \times 100 = 18.45$$

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

A total of 1169.655 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 67 on-effort sightings and total number of 245 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)









$$STG = \frac{67}{1169.655} \times 100 = 5.73$$

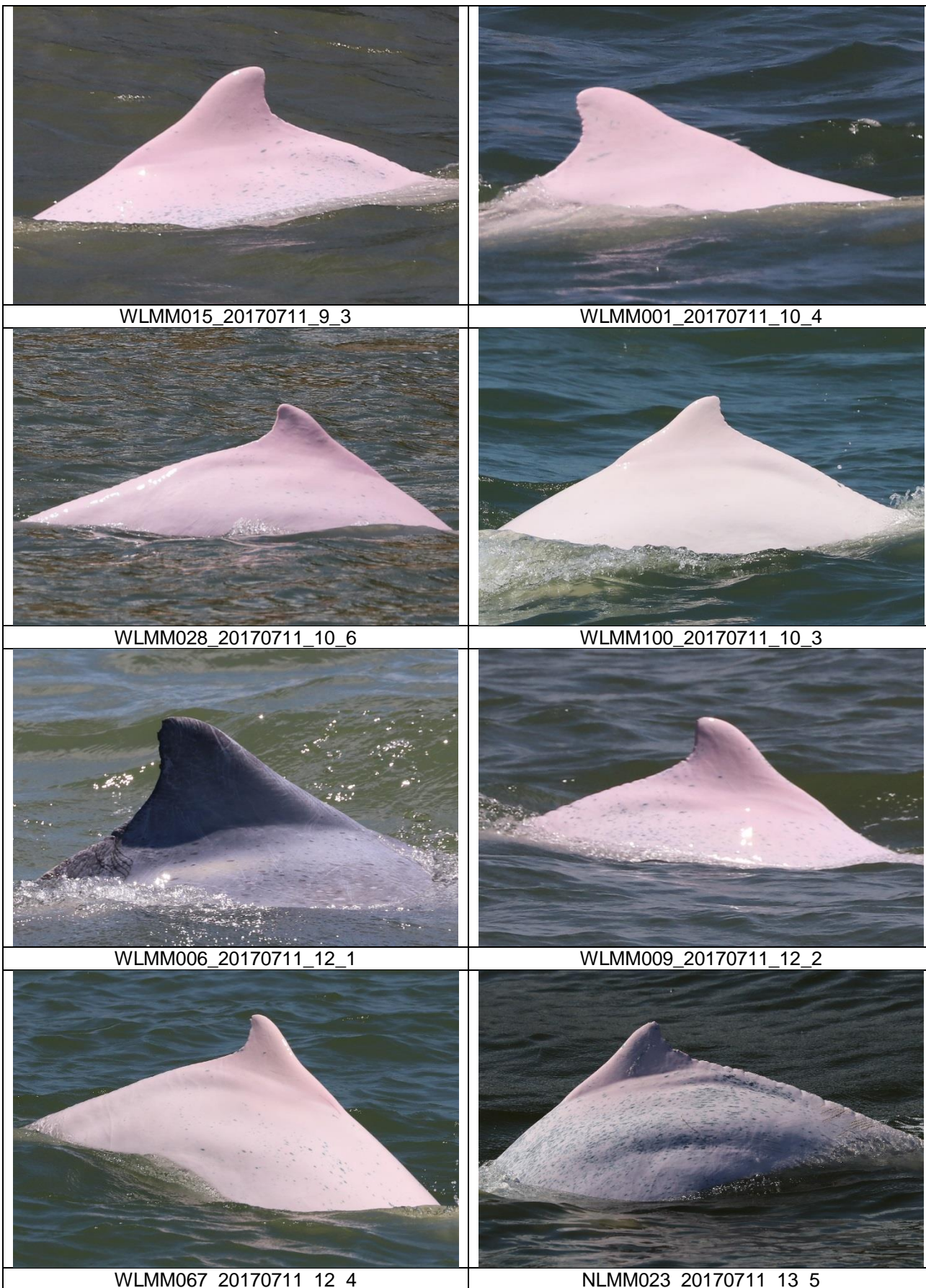
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

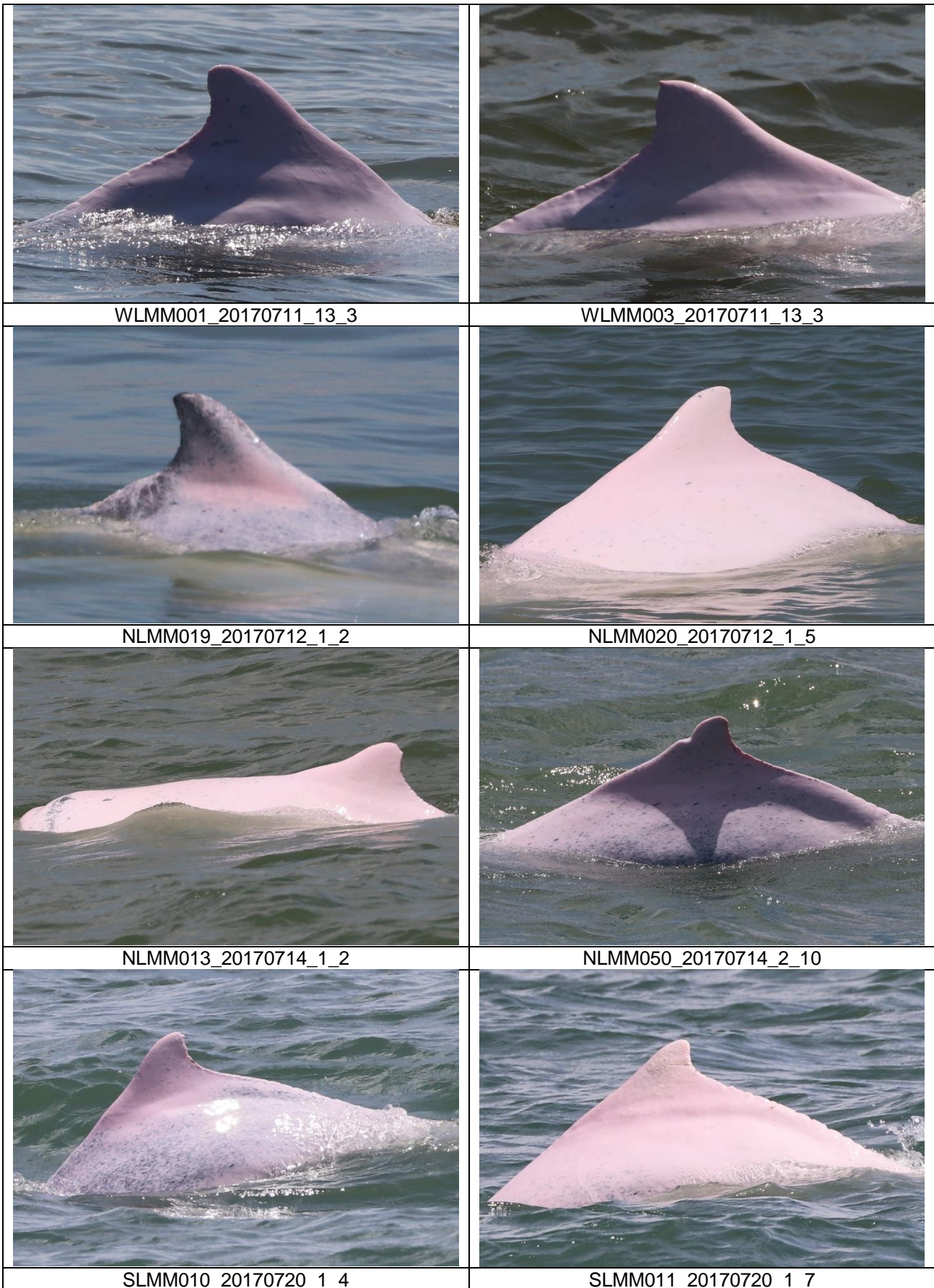
$$ANI = \frac{245}{1169.655} \times 100 = 20.95$$

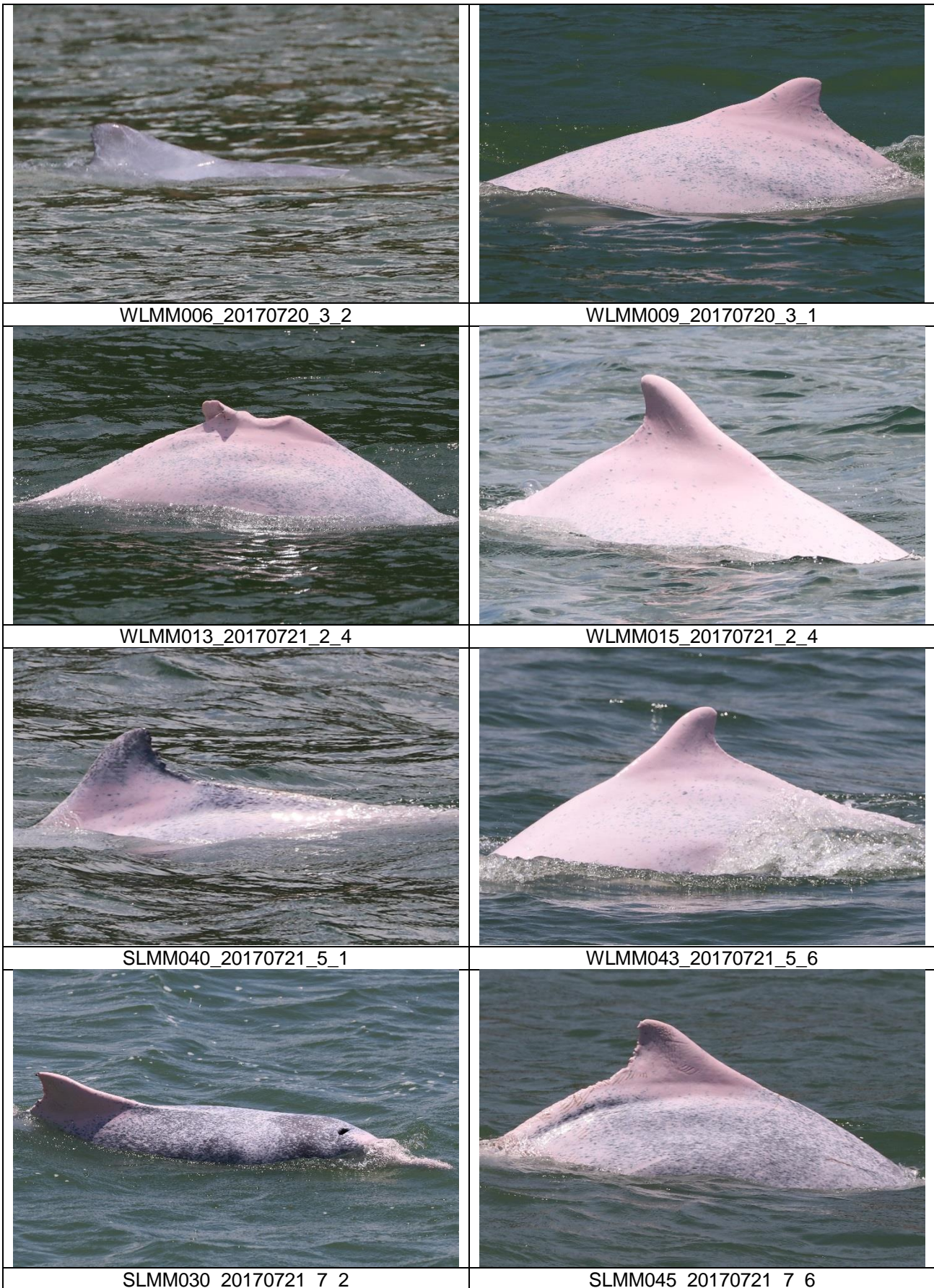
CWD Small Vessel Line-transect Survey

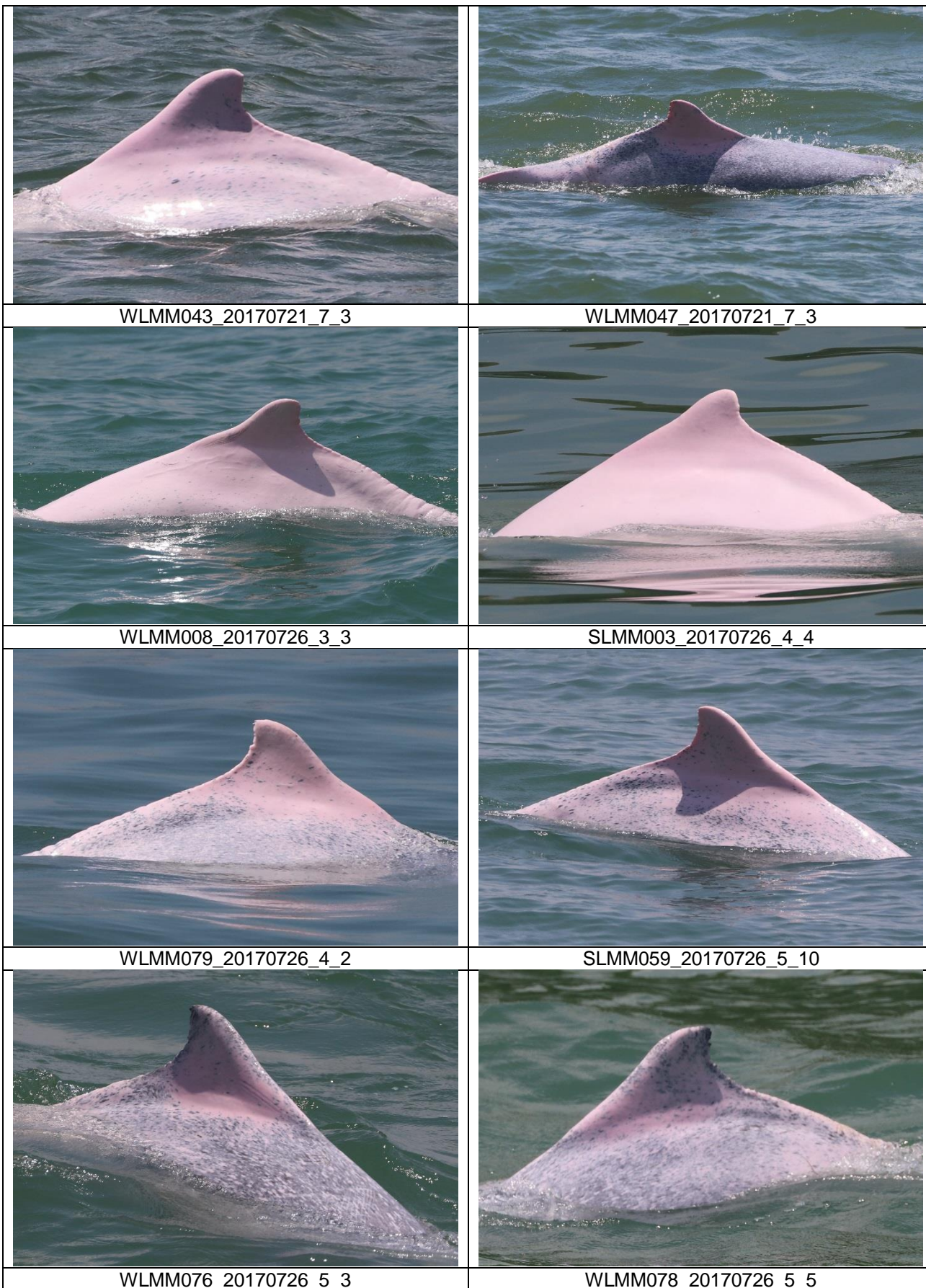
Photo Identification

	
WLMM097_20170711_1_8	WLMM098_20170711_1_3
	
NLMM034_20170711_2_4	WLMM099_20170711_3_7
	
NLMM034_20170711_5_2	WLMM038_20170711_5_1
	
SLMM040_20170711_7_6	WLMM079_20170711_7_3









**CWD Land-based Theodolite Tracking****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>
5/Jul/17	Lung Kwu Chau	8:39	14:39	6:00	2-4	1	0	N/A
10/Jul/17	Lung Kwu Chau	8:44	14:44	6:00	2	2	5	1-6
14/Jul/17	Lung Kwu Chau	8:46	14:56	6:10	2-3	1	4	1-4
21/Jul/17	Sha Chau	8:46	14:46	6:00	2-3	2	0	N/A
24/Jul/17	Sha Chau	8:39	14:39	6:00	2	2	0	N/A

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