

Appendix D. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

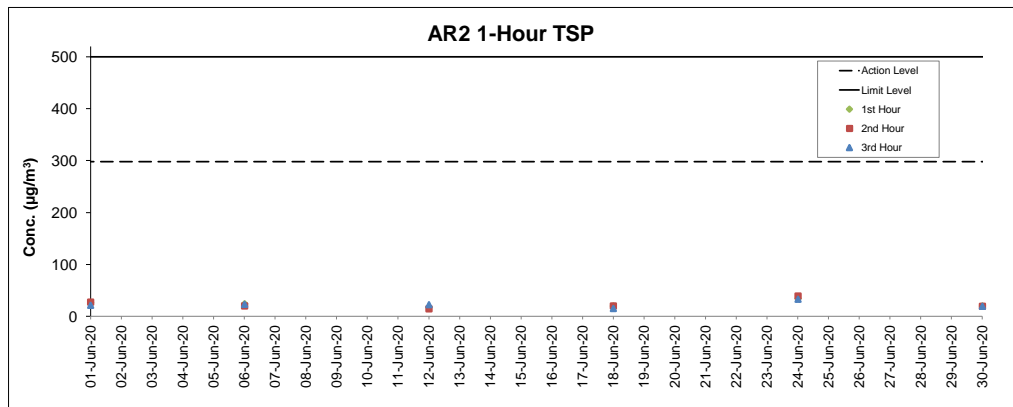
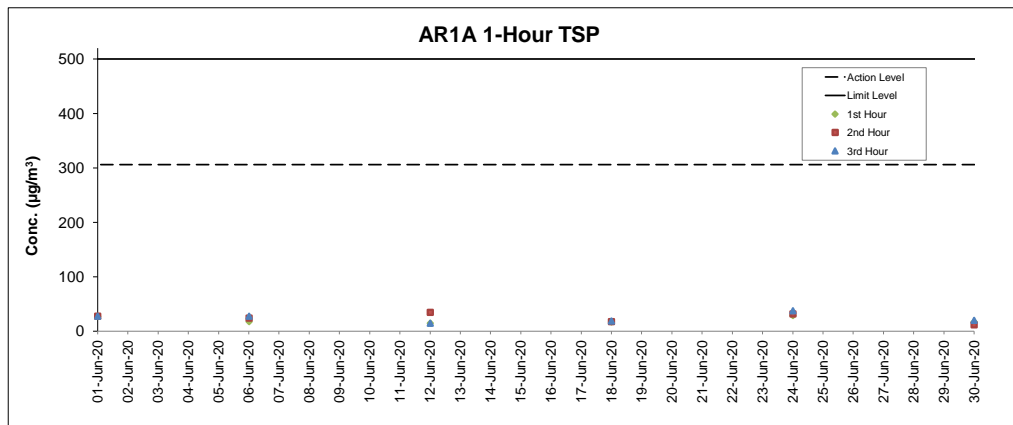
Station: AR1A- Man Tung Road Park

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 ($\mu\text{g}/\text{m}^3$)
01-Jun-20	13:41	Cloudy	6.1	210	27	306	500
01-Jun-20	14:41	Cloudy	6.7	206	28	306	500
01-Jun-20	15:41	Cloudy	5.0	206	28	306	500
06-Jun-20	13:37	Cloudy	5.3	146	18	306	500
06-Jun-20	14:37	Cloudy	7.2	139	24	306	500
06-Jun-20	15:37	Cloudy	3.3	114	28	306	500
12-Jun-20	13:20	Cloudy	4.2	246	15	306	500
12-Jun-20	14:20	Cloudy	5.8	260	35	306	500
12-Jun-20	15:20	Cloudy	3.3	71	15	306	500
18-Jun-20	13:20	Sunny	6.7	193	17	306	500
18-Jun-20	14:20	Sunny	5.6	217	18	306	500
18-Jun-20	15:20	Sunny	6.7	197	19	306	500
24-Jun-20	13:11	Cloudy	6.7	225	29	306	500
24-Jun-20	14:11	Cloudy	6.1	221	32	306	500
24-Jun-20	15:11	Cloudy	6.9	223	38	306	500
30-Jun-20	13:41	Sunny	6.4	240	17	306	500
30-Jun-20	14:41	Sunny	6.7	243	12	306	500
30-Jun-20	15:41	Sunny	4.2	164	20	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 ($\mu\text{g}/\text{m}^3$)
01-Jun-20	9:47	Sunny	5.3	201	26	298	500
01-Jun-20	10:47	Sunny	6.1	215	27	298	500
01-Jun-20	11:47	Sunny	6.1	195	21	298	500
06-Jun-20	9:26	Cloudy	6.4	118	24	298	500
06-Jun-20	10:26	Cloudy	5.0	128	20	298	500
06-Jun-20	11:26	Cloudy	3.9	100	23	298	500
12-Jun-20	9:27	Cloudy	2.5	Variable	17	298	500
12-Jun-20	10:27	Cloudy	2.2	325	14	298	500
12-Jun-20	11:27	Cloudy	2.2	315	22	298	500
18-Jun-20	9:39	Sunny	6.1	230	20	298	500
18-Jun-20	10:39	Sunny	7.5	230	20	298	500
18-Jun-20	11:39	Sunny	6.9	238	15	298	500
24-Jun-20	9:24	Cloudy	6.9	228	34	298	500
24-Jun-20	10:24	Cloudy	6.9	227	39	298	500
24-Jun-20	11:24	Cloudy	6.4	233	33	298	500
30-Jun-20	9:36	Cloudy	2.2	337	20	298	500
30-Jun-20	10:36	Cloudy	2.2	313	19	298	500
30-Jun-20	11:36	Cloudy	5.3	248	19	298	500



Notes

1. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
2. Weather conditions during monitoring are presented in the data tables above.
3. QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
01-Jun-20	Cloudy	14:43	69.1	52.2	70
01-Jun-20	Cloudy	14:48	67.7	52.4	
01-Jun-20	Cloudy	14:53	72.5	53.9	
01-Jun-20	Cloudy	14:58	69.3	53.3	
01-Jun-20	Cloudy	15:03	70.4	53.3	
01-Jun-20	Cloudy	15:08	68.5	52.2	73
12-Jun-20	Cloudy	13:10	72.5	62.3	
12-Jun-20	Cloudy	13:15	73.8	60.1	
12-Jun-20	Cloudy	13:20	74.2	63.1	
12-Jun-20	Cloudy	13:25	70.5	59.1	
12-Jun-20	Cloudy	13:30	73.5	60.0	
12-Jun-20	Cloudy	13:35	72.8	58.2	
18-Jun-20	Sunny	14:17	67.4	54.3	67
18-Jun-20	Sunny	14:22	69.2	56.1	
18-Jun-20	Sunny	14:27	66.1	50.4	
18-Jun-20	Sunny	14:32	66.1	51.7	
18-Jun-20	Sunny	14:37	67.6	52.1	
18-Jun-20	Sunny	14:42	67.6	50.9	67
24-Jun-20	Cloudy	13:41	70.5	52.5	
24-Jun-20	Cloudy	13:46	69.4	53.0	
24-Jun-20	Cloudy	13:51	68.5	52.5	
24-Jun-20	Cloudy	13:56	69.0	52.0	
24-Jun-20	Cloudy	14:01	68.7	53.5	
24-Jun-20	Cloudy	14:06	68.4	54.2	71
30-Jun-20	Sunny	14:50	73.3	50.5	
30-Jun-20	Sunny	14:55	71.3	49.3	
30-Jun-20	Sunny	15:00	70.6	52.0	
30-Jun-20	Sunny	15:05	72.2	52.7	
30-Jun-20	Sunny	15:10	70.7	50.0	
30-Jun-20	Sunny	15:15	71.6	52.6	

Remarks:

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

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
01-Jun-20	Sunny	13:51	58.8	54.5	60
01-Jun-20	Sunny	13:56	58.4	54.5	
01-Jun-20	Sunny	14:01	60.6	54.4	
01-Jun-20	Sunny	14:06	59.4	54.6	
01-Jun-20	Sunny	14:11	60.5	54.8	
01-Jun-20	Sunny	14:16	59.9	55.5	64
11-Jun-20	Cloudy	13:00	63.4	58.8	
11-Jun-20	Cloudy	13:05	62.9	58.7	
11-Jun-20	Cloudy	13:10	61.0	58.0	
11-Jun-20	Cloudy	13:15	62.7	57.9	
11-Jun-20	Cloudy	13:20	61.3	57.6	62
11-Jun-20	Cloudy	13:25	62.7	58.2	
18-Jun-20	Sunny	13:19	62.8	57.2	
18-Jun-20	Sunny	13:24	60.7	57.7	
18-Jun-20	Sunny	13:29	60.4	58.0	
18-Jun-20	Sunny	13:34	60.9	57.3	61
18-Jun-20	Sunny	13:39	61.5	57.3	
18-Jun-20	Sunny	13:44	60.5	56.4	
23-Jun-20	Cloudy	11:03	59.4	56.5	
23-Jun-20	Cloudy	11:08	60.2	56.2	
23-Jun-20	Cloudy	11:13	59.7	56.0	62
23-Jun-20	Cloudy	11:18	61.0	55.6	
23-Jun-20	Cloudy	11:23	59.6	55.6	
23-Jun-20	Cloudy	11:28	59.2	55.6	
30-Jun-20	Cloudy	13:44	60.6	57.2	
30-Jun-20	Cloudy	13:49	61.9	57.3	62
30-Jun-20	Cloudy	13:54	60.6	57.2	
30-Jun-20	Cloudy	13:59	60.9	57.3	
30-Jun-20	Cloudy	14:04	62.3	57.5	
30-Jun-20	Cloudy	14:09	60.6	57.1	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
01-Jun-20	Sunny	9:48	67.6	43.9	64
01-Jun-20	Sunny	9:53	52.1	43.1	
01-Jun-20	Sunny	9:58	62.4	44.0	
01-Jun-20	Sunny	10:03	55.0	43.6	
01-Jun-20	Sunny	10:08	56.0	42.1	
01-Jun-20	Sunny	10:13	56.2	42.8	58
12-Jun-20	Cloudy	10:49	57.2	47.8	
12-Jun-20	Cloudy	10:54	55.2	48.6	
12-Jun-20	Cloudy	10:59	50.1	47.1	
12-Jun-20	Cloudy	11:04	55.2	47.2	
12-Jun-20	Cloudy	11:09	60.3	48.7	58
12-Jun-20	Cloudy	11:14	57.8	47.1	
18-Jun-20	Sunny	10:03	51.9	43.2	
18-Jun-20	Sunny	10:08	53.8	43.0	
18-Jun-20	Sunny	10:13	60.3	45.1	
18-Jun-20	Sunny	10:18	52.5	43.7	55
18-Jun-20	Sunny	10:23	61.7	46.2	
18-Jun-20	Sunny	10:28	54.1	49.2	
24-Jun-20	Cloudy	10:31	54.5	44.6	
24-Jun-20	Cloudy	10:36	51.8	44.8	
24-Jun-20	Cloudy	10:41	53.9	44.0	57
24-Jun-20	Cloudy	10:46	54.5	43.0	
24-Jun-20	Cloudy	10:51	52.4	43.8	
24-Jun-20	Cloudy	10:56	47.4	44.2	
30-Jun-20	Cloudy	9:58	51.2	46.8	
30-Jun-20	Cloudy	10:03	56.7	46.2	57
30-Jun-20	Cloudy	10:08	59.8	46.7	
30-Jun-20	Cloudy	10:13	52.6	47.8	
30-Jun-20	Cloudy	10:18	61.5	45.6	
30-Jun-20	Cloudy	10:23	60.5	43.2	

Remarks:

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

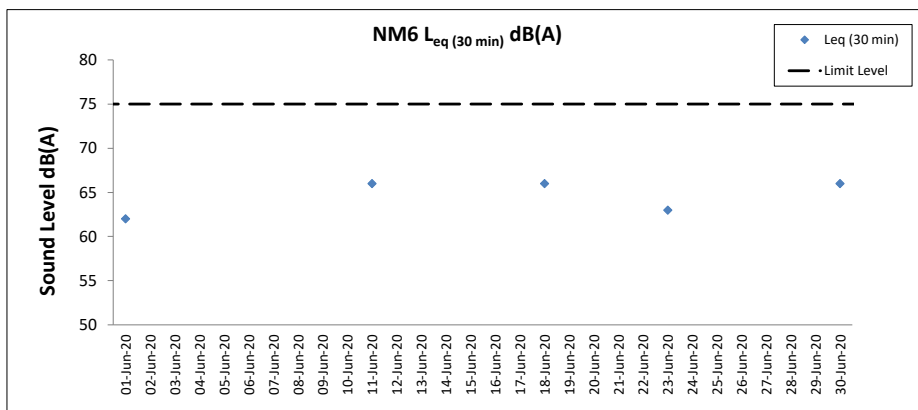
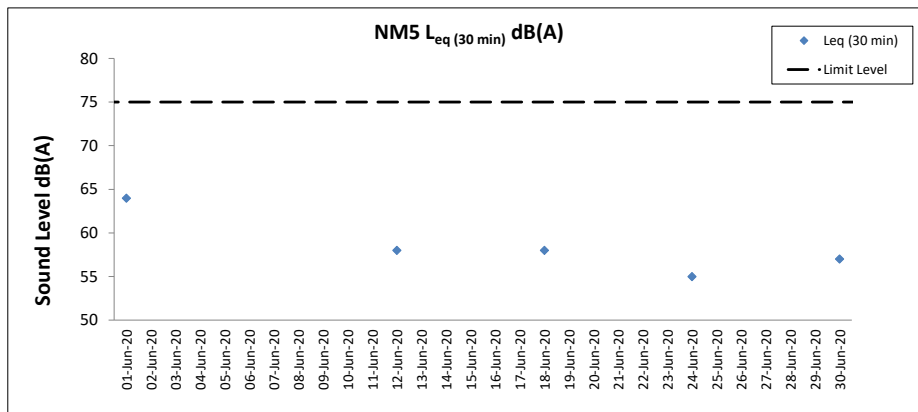
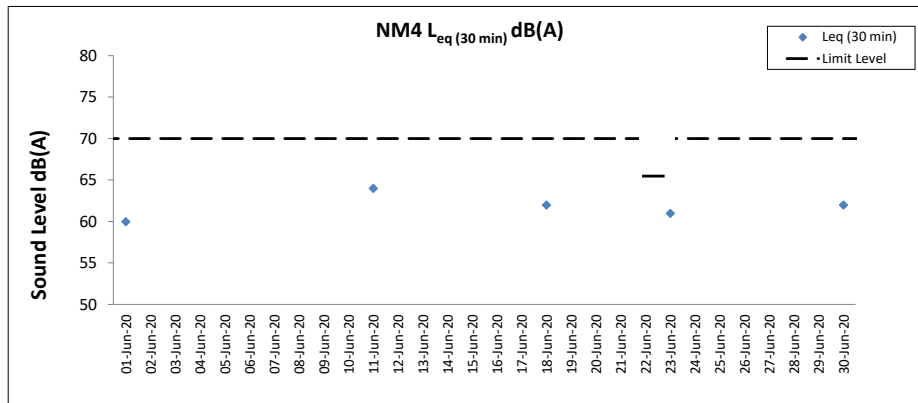
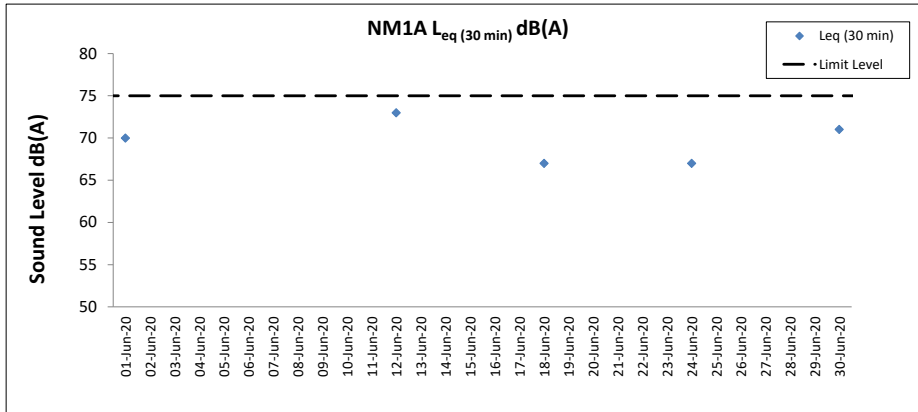
Noise Measurement Results

Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
01-Jun-20	Sunny	15:39	71.4	51.1	62
01-Jun-20	Sunny	15:44	69.5	50.3	
01-Jun-20	Sunny	15:49	71.7	53.2	
01-Jun-20	Sunny	15:54	63.5	51.1	
01-Jun-20	Sunny	15:59	60.4	50.1	
01-Jun-20	Sunny	16:04	63.4	53.8	66
11-Jun-20	Cloudy	15:47	62.8	47.3	
11-Jun-20	Cloudy	15:52	66.6	49.7	
11-Jun-20	Cloudy	15:57	67.1	53.4	
11-Jun-20	Cloudy	16:02	63.9	53.3	
11-Jun-20	Cloudy	16:07	64.4	54.3	66
11-Jun-20	Cloudy	16:12	65.2	54.6	
18-Jun-20	Sunny	15:46	65.8	63.3	
18-Jun-20	Sunny	15:51	66.4	62.5	
18-Jun-20	Sunny	15:56	73.0	64.1	
18-Jun-20	Sunny	16:01	68.9	63.8	63
18-Jun-20	Sunny	16:06	67.9	61.5	
18-Jun-20	Sunny	16:11	71.9	62.3	
23-Jun-20	Cloudy	9:42	54.9	49.9	
23-Jun-20	Cloudy	9:47	61.7	50.0	
23-Jun-20	Cloudy	9:52	57.1	51.3	66
23-Jun-20	Cloudy	9:57	60.5	51.1	
23-Jun-20	Cloudy	10:02	59.3	51.2	
23-Jun-20	Cloudy	10:07	56.0	50.7	
30-Jun-20	Cloudy	15:49	69.6	50.2	
30-Jun-20	Cloudy	15:54	73.2	64.1	66
30-Jun-20	Cloudy	15:59	67.9	61.5	
30-Jun-20	Cloudy	16:04	65.9	63.3	
30-Jun-20	Cloudy	16:09	64.3	54.1	
30-Jun-20	Cloudy	16:14	67.7	61.4	

Remarks:

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



Notes

1. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
2. Weather conditions during monitoring are presented in the data tables above.
3. QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Water Quality Monitoring Results

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

Water Quality Monitoring Results on 02 June 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
C1	Cloudy	Moderate	10:07	8.8	Surface	1.0	0.5	238	28.3	28.3	7.9	7.9	17.0	17.0	90.7	90.6	6.4	4.0	4	85	87	87	87	87	87	815607	804233	<0.2	1.7	1.7	1.7				
						1.0	0.5	242	28.3	28.3	7.9	7.9	17.0	17.0	90.4	90.4	5.9	4.0	4	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84	
						4.4	0.4	224	26.7	26.7	7.9	7.9	25.3	25.3	77.2	77.2	7.2	4.9	5.5	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
					4.4	0.4	239	26.6	26.6	7.9	7.9	25.3	25.3	77.1	77.1	7.2	4.9	5.5	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
					7.8	0.4	230	26.2	26.2	7.9	7.9	29.5	29.5	72.9	72.9	7.3	5.0	5.0	4	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
					7.8	0.5	240	26.2	26.2	7.9	7.9	29.5	29.5	73.1	73.1	7.3	5.0	5.0	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
C2	Cloudy	Moderate	11:26	11.8	Surface	1.0	1.0	155	28.2	28.2	7.9	7.9	15.7	15.7	85.2	85.0	6.1	7.2	5	87	87	87	87	87	825681	806959	<0.2	1.6	1.6	1.6					
						1.0	1.0	163	28.1	28.1	7.9	7.9	15.7	15.7	84.8	84.8	6.1	7.4	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
						5.9	0.8	158	27.6	27.6	7.9	7.9	21.2	21.2	70.8	70.8	5.0	7.9	6	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
					5.9	0.8	169	27.5	27.5	7.9	7.9	21.2	21.2	70.8	70.8	5.0	7.8	6	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
					10.8	0.4	152	26.9	26.9	7.9	7.9	25.1	25.1	67.2	67.4	4.7	8.3	6	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
					10.8	0.5	162	26.9	26.9	7.9	7.9	25.1	25.1	67.6	67.4	4.7	8.4	6	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
C3	Rainy	Moderate	09:21	12.0	Surface	1.0	0.4	75	27.5	27.5	8.0	8.0	22.4	22.5	78.0	78.0	5.4	3.6	4	87	87	87	87	87	822099	817796	<0.2	1.6	1.6	1.6					
						1.0	0.4	75	27.5	27.5	8.0	8.0	22.5	22.5	78.0	78.0	5.4	3.6	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
						6.0	0.3	103	27.0	27.0	8.0	8.0	24.9	24.9	74.8	74.8	5.2	3.2	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
					6.0	0.3	107	26.9	26.9	8.0	8.0	24.9	24.9	74.8	74.8	5.2	3.4	4	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
					11.0	0.1	357	26.4	26.4	8.0	8.0	28.3	28.3	69.0	69.2	4.7	8.4	4	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
					11.0	0.1	328	26.4	26.4	8.0	8.0	28.3	28.3	69.3	69.2	4.8	8.4	4	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94	94
IM1	Cloudy	Moderate	10:28	5.2	Surface	1.0	0.1	207	27.5	27.5	7.9	7.9	21.4	21.4	80.2	80.3	5.6	8.3	5	87	87	87	87	87	817953	807141	<0.2	1.2	1.2	1.2					
						1.0	0.1	227	27.4	27.4	7.9	7.9	21.3	21.3	80.4	80.4	5.7	9.2	5	86	86	86	86	86	86	86	86	86	86	86	86	86	86		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.2	0.0	71	26.7	26.8	7.9	7.9	26.7	26.7	77.6	77.8	5.4	8.8	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
					4.2	0.0	72	26.8	26.8	7.9	7.9	26.7	26.7	78.0	78.0	5.4	8.0	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
					1.0	0.2	178	28.0	28.1	7.9	7.9	19.3	19.2	81.1	80.5	5.7	7.6	4	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85
IM2	Cloudy	Moderate	10:35	7.0	Surface	1.0	0.2	184	28.1	28.1	7.9	7.9	19.1	19.1	79.9	79.9	5.6	8.5	4	86	86	86	86	86	818180	806177	<0.2	1.3	1.3	1.3					
						3.5	0.3	153	26.6	26.6	7.9	7.9	26.8	26.7	70.2	70.3	4.9	10.6	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
						3.5	0.3	161	26.6	26.6	7.9	7.9	26.7	26.7	70.3	70.3	4.9	10.8	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					6.0	0.1	85	26.4	26.4	7.9	7.9	28.4	28.4	71.3	71.6	4.9	7.1	4	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					6.0	0.1	85	26.4	26.4	7.9	7.9	28.4	28.4	71.8	71.8	4.9	7.8	4	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					1.0	0.1	204	28.4	28.4	7.9	7.9	16.9	16.8	81.1	91.0	6.5	4.2	4	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	
IM3	Cloudy	Moderate	10:42	7.2	Surface	1.0	0.1	208	28.4	28.4	7.9	7.9	16.8	16.8	80.9	80.9	6.4	4.2	4	86	86	86	86	86	818786	805608	<0.2	1.3	1.3	1.3					
						3.6	0.3	175	26.6	26.6	7.8	7.8	25.8	25.8	67.7	67.7	4.7	7.8	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
						3.6	0.3	184	26.6	26.6	7.8	7.8	25.7	25.8	67.6	67.7	4.7	7.2	4	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					6.2	0.1	121	26.4	26.4	7.8	7.8	27.8	27.8	67.7	67.8	4.7	12.5	4	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					6.2	0.1	123	26.4	26.4	7.8	7.8	27.8	27.8	67.8	67.8	4.7	14.3	4	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
					1.0	0.8	209	28.1	28.1	7.8	7.8	18.3	18.3	80.2	80.1	5.7	7.1	8	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85	
IM4	Cloudy	Moderate	10:51	7.9	Surface	1.0	0.8	224	28.1	28.1	7.8	7.8	18.3	18.3	79.9	80.1	5.7	7.5	8	86	86	86	86	86	819725	804614	<0.2	1.3	1.3	1.3					
						4.0	0.8	198	27.5	27.5	7.8	7.8	20.0	20.0	76.7	76.6	5.4	9.9	7	88	88	88	88	88	88	88	88	88	88	88	88	88			
						4.0	0.8	198	27.4	27.5	7.8	7.8	19.9	20.0	76.5	76.6	5.4	9.6	7	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	
					6.9	0.7	193	27.2	27.2	7.8	7.8	24.2	24.2	74.3	74.4	5.2	13.9	7	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90		
					6.9	0.7	194	27.2	27.2	7.8	7.8	24.2	24.2	74.5	74.4	5.2	13.3	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
					1.0	0.7	219	28.1	28.1	7.8	7.8	18.3	18.3	83.1	83.0	5.9	6.2	8	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	
IM5	Cloudy	Moderate	11:02	7.2	Surface	1.0	0.7	234	28.1	28.1	7.8	7.8	18.4	18.3	82.9	83.0	5.9	6.3	8	86	86	86	86	86	820747	804859	<0.2	1.4	1.						

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

Water Quality Monitoring Results on 02 June 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	10:53	7.2	Surface	1.0	0.3	116	28.1	28.1	8.0	8.0	17.7	17.7	80.9	80.8	5.7	7.1	7	87	91	822077	808821	<0.2	1.3	1.4						
						1.0	0.3	122	28.1	28.0	8.0	8.0	17.8	17.8	80.6	80.6	5.7	7.1	7	88	91	822077	808821	<0.2	1.4							
						3.6	0.4	108	28.0	27.9	7.9	7.9	18.0	18.0	79.7	79.8	5.6	7.6	6	91	91	822077	808821	<0.2	1.4							
					3.6	0.4	116	28.0	27.9	7.9	7.9	18.0	18.0	79.8	79.8	5.7	7.4	6	91	91	822077	808821	<0.2	1.4								
					6.2	0.3	111	27.8	27.8	7.9	7.9	19.6	19.6	77.6	77.8	5.5	8.6	4	95	95	822077	808821	<0.2	1.3								
					6.2	0.3	118	27.8	27.9	7.9	7.9	19.6	19.6	77.9	77.9	5.5	8.8	4	96	96	822077	808821	<0.2	1.3								
IM10	Cloudy	Moderate	10:44	6.8	Surface	1.0	0.8	108	28.1	28.1	8.0	8.0	16.7	16.7	84.3	84.3	6.0	7.9	4	87	91	822402	809783	<0.2	1.3	1.3						
						1.0	0.8	114	28.0	27.9	8.0	8.0	16.7	16.7	84.2	84.2	6.0	8.2	4	87	91	822402	809783	<0.2	1.3							
						3.4	0.7	106	27.9	27.9	7.9	7.9	18.9	19.0	78.7	78.7	5.6	9.9	4	92	92	822402	809783	<0.2	1.3							
					3.4	0.7	110	27.9	27.9	7.9	7.9	19.0	19.0	78.7	78.7	5.6	9.9	4	92	92	822402	809783	<0.2	1.2								
					5.8	0.5	102	27.9	27.9	7.9	7.9	19.2	19.2	79.8	79.9	5.6	10.9	5	95	95	822402	809783	<0.2	1.4								
					5.8	0.5	103	27.9	27.9	7.9	7.9	19.2	19.2	80.0	80.0	5.6	11.0	5	95	95	822402	809783	<0.2	1.2								
IM11	Cloudy	Moderate	10:31	7.8	Surface	1.0	0.8	110	28.2	28.2	8.0	8.0	16.0	16.0	85.4	85.3	6.1	7.8	4	88	91	822072	811441	<0.2	1.4	1.4						
						1.0	0.9	112	28.1	27.9	8.0	8.0	16.0	16.0	85.1	85.1	6.1	7.9	4	87	91	822072	811441	<0.2	1.3							
						3.9	0.6	113	27.9	27.9	7.9	7.9	19.2	19.3	78.3	78.3	5.5	8.5	4	91	91	822072	811441	<0.2	1.3							
					3.9	0.6	123	27.9	27.8	7.9	7.9	19.3	19.3	78.3	78.5	5.5	8.9	4	91	91	822072	811441	<0.2	1.4								
					6.8	0.5	113	27.8	27.8	7.9	7.9	19.8	19.8	78.5	78.6	5.5	9.6	6	95	95	822072	811441	<0.2	1.3								
					6.8	0.5	117	27.8	27.8	7.9	7.9	19.8	19.8	78.6	78.6	5.5	9.7	6	95	95	822072	811441	<0.2	1.4								
IM12	Cloudy	Moderate	10:22	9.6	Surface	1.0	0.6	119	28.4	28.4	8.0	8.0	15.6	15.7	85.9	85.9	6.1	6.1	4	87	91	821472	812027	<0.2	1.4	1.4						
						1.0	0.7	120	28.4	27.9	8.0	8.0	15.7	15.7	85.9	85.9	6.1	6.1	4	88	91	821472	812027	<0.2	1.3							
						4.8	0.5	114	27.9	27.9	7.9	7.9	19.1	19.1	76.7	76.7	5.4	8.2	5	90	91	821472	812027	<0.2	1.3							
					4.8	0.6	122	27.9	27.9	7.9	7.9	19.1	19.1	76.6	76.5	5.4	7.9	5	91	91	821472	812027	<0.2	1.5								
					8.6	0.3	77	27.2	27.2	7.9	7.9	23.8	23.9	68.9	68.8	4.8	9.5	6	95	95	821472	812027	<0.2	1.4								
					8.6	0.3	77	27.2	27.2	7.9	7.9	23.9	23.9	68.6	68.6	4.8	10.0	6	95	95	821472	812027	<0.2	1.4								
SR1A	Rainy	Moderate	10:02	5.6	Surface	1.0	-	-	28.0	28.0	7.9	7.9	17.5	17.5	81.1	81.0	5.8	6.6	6	-	-	819975	812655	-	-	-						
						1.0	-	-	27.9	27.9	7.9	7.9	17.5	17.5	80.9	80.9	5.8	6.7	6	-	-	819975	812655	-	-							
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819975	812655		-	-				
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819975	812655	-		-					
					4.6	-	-	27.7	27.7	7.9	7.9	20.7	20.8	75.3	75.2	5.3	6.9	3	-	-	-	-	819975	812655	-		-					
					4.6	-	-	27.7	27.7	7.9	7.9	20.8	20.8	75.1	75.1	5.3	6.9	3	-	-	-	-	819975	812655	-		-					
SR2	Rainy	Moderate	09:48	5.0	Surface	1.0	0.6	81	28.2	28.2	7.9	7.9	16.0	16.0	84.1	84.1	6.0	5.5	3	88	89	821450	814174	<0.2	1.3	1.3						
						1.0	0.6	82	28.1	28.1	7.9	7.9	16.0	16.0	84.0	84.0	6.0	5.6	3	87	91	821450	814174	<0.2	1.3							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821450	814174		<0.2	1.3				
					4.0	0.3	70	27.9	27.9	7.9	7.9	19.3	19.3	78.5	78.6	5.5	6.0	6	90	91	821450	814174	<0.2	1.2								
					4.0	0.3	70	27.9	27.9	7.9	7.9	19.3	19.3	78.6	78.6	5.5	6.0	6	91	91	821450	814174	<0.2	1.2								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821450	814174		<0.2	1.2				
SR3	Cloudy	Moderate	11:05	8.8	Surface	1.0	0.2	208	28.2	28.2	7.9	7.9	17.0	17.0	84.1	84.1	6.0	6.0	7	-	-	822136	807575	-	-	-						
						1.0	0.2	210	28.2	28.0	7.9	7.9	17.1	17.1	84.0	84.0	6.0	6.0	7	-	-	822136	807575	-	-							
						4.4	0.4	181	28.0	28.0	7.9	7.9	17.8	17.8	78.4	78.3	5.6	6.3	7	-	-	822136	807575	-	-							
					4.4	0.5	196	27.9	27.9	7.9	7.9	17.8	17.8	78.2	78.2	5.6	6.3	7	-	-	822136	807575	-	-								
					7.8	0.3	182	27.7	27.7	7.9	7.9	20.4	20.4	75.1	75.3	5.3	8.2	6	-	-	822136	807575	-	-								
					7.8	0.3	185	27.7	27.7	7.9	7.9	20.4	20.4	75.5	75.5	5.3	8.5	6	-	-	822136	807575	-	-								
SR4A	Cloudy	Moderate	09:47	9.0	Surface	1.0	0.1	320	28.3	28.3	7.8	7.8	16.6	16.6	87.8	87.3	6.2	7.2	6	-	-	817212	807793	-	-	-						
						1.0	0.1	350	28.2	27.0	7.8	7.8	16.6	16.6	86.8	86.8	6.2	8.2	6	-	-	817212	807793	-	-							
						4.5	0.3	59	27.0	27.0	7.8	7.8	25.3	25.4	73.2	73.1	5.1	6.1	6	-	-	817212	807793	-	-							
					4.5	0.3	61	27.0	26.9	7.8	7.8	25.4	25.4	73.1	73.1	5.1	6.4	6	-	-	817212	807793	-	-								
					8.0	0.2	58	26.9	26.9	7.8	7.8	25.7	25.7	73.5	73.6	5.1	8.1	5	-	-	817212	807793	-	-								
					8.0	0.3	59	26.9	26.9	7.8	7.8	25.7	25.7	73.7	73.7	5.1	8.5	5	-	-	817212	807793	-	-								
SR5A	Cloudy	Moderate	09:29	4.5	Surface	1.0	0.3	116	28.3	28.3	7.8	7.8	16.9	16.9	87.9	88.0	6.2	6.9	5	-	-	816579	810683	-	-	-						
						1.0	0.3	116	28.3	28.3	7.8	7.8	16.9	16.9	88.0	88.0	6.2	6.9	5	-	-	816579	810683	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816579	810683		-	-				
					3.5	0.2	94	28.3	28.3	7.8	7.8	17.9	17.9	88.5	88.6	6.2	7.7	4	-	-	816579	810683	-	-								
					3.5	0.2	97	28.3	28.3	7.8	7.8	17.9	17.9	88.6	88.6	6.3	7.7	4	-	-	816579	810683	-	-								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816579	810683		-	-				
SR6A	Cloudy	Moderate	08:54	4.2	Surface	1.0	0.1	18	28.2	28.2	7.7	7.7	19.0	19.0	82.0	81.8	5.8	4.3	4	-	-	817958	814721	-	-	-						
						1.0	0.1	19	28.2	28.1	7.7	7.7	19.0	19.0	81.6	81.6	5.7	4.4	4	-	-	817958	814721	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817958	814721		-	-				
					3.2	0.0	324	28.1	28.1	7.7	7.7	19.8	19.8	79.4	79.5	5.6	5.9	3	-	-	81											

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

Water Quality Monitoring Results on 02 June 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	15:07	6.9	Surface	1.0	0.2	252	28.6	28.6	7.9	7.9	14.1	14.1	88.3	88.2	6.3	5.4	3	84	89	822107	808811	<0.2	1.2	<0.2	1.4					
						1.0	0.2	271	28.6	7.9	7.9	14.1	14.1	88.1	88.2	6.3	5.5	3	88													
					Middle	3.5	0.2	282	28.3	28.3	7.9	7.9	15.7	15.7	87.4	87.4	6.2	8.2	3	89												
						3.5	0.2	290	28.2	28.2	7.9	7.9	15.7	15.7	87.3	87.3	6.2	8.1	3	88												
					Bottom	5.9	0.2	305	28.2	28.3	7.9	7.9	18.0	18.0	81.6	81.6	5.8	8.7	3	93												
						5.9	0.2	317	28.3	28.3	7.9	7.9	18.0	18.0	81.8	81.8	5.8	8.9	3	93												
IM10	Cloudy	Moderate	15:15	7.0	Surface	1.0	0.3	325	28.5	28.5	8.0	8.0	15.1	15.0	88.1	88.0	6.3	6.9	4	84	89	822399	809781	<0.2	1.7	<0.2	1.6					
						1.0	0.3	343	28.5	28.5	8.0	8.0	14.9	14.9	87.9	87.9	6.3	6.9	5	84												
					Middle	3.5	0.3	322	28.2	28.2	8.0	8.0	17.1	17.1	87.2	87.2	6.2	8.4	4	89												
						3.5	0.3	335	28.2	28.2	8.0	8.0	17.1	17.1	86.7	86.7	6.2	8.7	4	89												
					Bottom	6.0	0.3	317	28.1	28.1	7.9	7.9	18.4	18.4	81.2	81.2	5.7	9.8	4	92												
						6.0	0.3	323	28.1	28.1	7.9	7.9	18.4	18.4	81.4	81.4	5.7	9.7	4	93												
IM11	Rainy	Moderate	15:25	8.0	Surface	1.0	0.1	322	28.4	28.4	8.0	8.0	16.6	16.6	90.2	90.2	6.4	5.7	4	85	89	822064	811459	<0.2	1.6	<0.2	1.7					
						1.0	0.1	354	28.4	28.4	8.0	8.0	16.6	16.6	90.1	90.1	6.4	5.8	4	84												
					Middle	4.0	0.4	318	28.0	28.0	7.9	7.9	18.1	18.1	81.5	81.5	5.8	7.1	4	89												
						4.0	0.4	327	27.9	27.9	7.9	7.9	18.1	18.1	81.4	81.4	5.8	7.1	4	89												
					Bottom	7.0	0.5	302	27.8	27.8	7.9	7.9	19.8	19.8	77.6	77.6	5.5	8.3	3	93												
						7.0	0.5	318	27.8	27.8	7.9	7.9	19.8	19.8	77.9	77.9	5.5	8.2	3	92												
IM12	Rainy	Moderate	15:32	9.2	Surface	1.0	0.3	294	28.2	28.2	8.0	7.9	17.6	17.6	83.9	83.9	5.9	5.6	5	84	88	821466	812023	<0.2	1.9	<0.2	1.9					
						1.0	0.4	312	28.2	28.2	7.9	7.9	17.6	17.6	83.8	83.8	5.9	5.8	5	84												
					Middle	4.6	0.4	289	28.0	28.0	7.9	7.9	19.0	19.0	77.3	77.3	5.5	6.6	4	89												
						4.6	0.5	314	28.0	28.0	7.9	7.9	19.0	19.0	77.3	77.3	5.5	6.6	4	88												
					Bottom	8.2	0.4	287	26.9	27.0	7.9	7.9	25.2	25.1	66.8	66.9	4.6	8.9	4	92												
						8.2	0.4	290	27.0	27.0	7.9	7.9	25.0	25.1	66.9	66.9	4.6	9.0	4	92												
SR1A	Cloudy	Calm	15:49	5.5	Surface	1.0	-	-	28.4	28.4	8.0	8.0	17.5	17.5	90.9	90.8	6.4	5.6	2	-	-	819970	812654	-	-	-	-					
						1.0	-	-	28.3	28.3	8.0	8.0	17.6	17.6	90.7	90.8	6.4	5.8	2	-												
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	6.4	5.8	3	-										
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	6.4	5.8	3	-										
					Bottom	4.5	-	-	28.2	28.2	8.0	8.0	19.1	19.1	84.2	84.3	5.9	7.4	4	-												
						4.5	-	-	28.2	28.2	8.0	8.0	19.1	19.1	84.3	84.3	5.9	7.4	4	-												
SR2	Cloudy	Calm	16:01	4.6	Surface	1.0	0.1	339	28.3	28.3	8.0	8.0	17.6	17.6	90.4	90.4	6.4	6.7	3	84	86	821455	814181	<0.2	1.8	<0.2	1.8					
						1.0	0.1	349	28.2	28.2	8.0	8.0	17.6	17.6	90.3	90.3	6.4	7.2	3	84												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	7.2	4	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	7.2	4	-										
					Bottom	3.6	0.2	326	28.0	28.0	8.0	8.0	19.7	19.6	85.3	85.4	6.0	9.9	5	89												
						3.6	0.2	334	28.0	28.0	8.0	8.0	19.6	19.6	85.5	85.5	6.0	9.9	5	88												
SR3	Cloudy	Moderate	14:57	8.7	Surface	1.0	0.4	196	28.2	28.2	7.9	7.9	13.4	13.4	82.8	82.7	6.0	5.7	4	-	-	822123	807587	-	-	-	-					
						1.0	0.4	209	28.2	28.2	7.9	7.9	13.4	13.4	82.6	82.6	6.0	5.8	4	-												
					Middle	4.4	0.3	195	27.9	27.9	7.9	7.9	18.2	18.2	76.3	76.4	5.4	7.3	4	-												
						4.4	0.3	205	27.9	27.9	7.9	7.9	18.2	18.2	76.4	76.4	5.4	7.2	4	-												
					Bottom	7.7	0.2	246	27.9	27.9	7.9	7.9	18.2	18.2	77.1	77.3	5.5	8.2	4	-												
						7.7	0.2	255	27.9	27.9	7.9	7.9	18.2	18.2	77.4	77.4	5.5	8.1	4	-												
SR4A	Rainy	Moderate	16:10	9.0	Surface	1.0	0.1	252	28.5	28.5	7.9	7.9	18.5	18.5	90.2	90.2	6.3	6.0	6	-	-	817165	807812	-	-	-	-					
						1.0	0.1	275	28.5	28.5	7.9	7.9	18.5	18.5	90.1	90.1	6.3	6.1	7	-												
					Middle	4.5	0.1	229	28.2	28.2	7.8	7.8	19.7	19.6	82.5	82.6	5.8	7.4	6	-												
						4.5	0.1	244	28.2	28.2	7.8	7.8	19.6	19.6	82.7	82.7	5.8	7.3	6	-												
					Bottom	8.0	0.2	52	27.3	27.4	7.8	7.8	24.2	24.2	74.7	74.7	5.2	11.6	6	-												
						8.0	0.2	54	27.4	27.4	7.8	7.8	24.3	24.2	74.7	74.7	5.2	11.8	6	-												
SR5A	Rainy	Moderate	16:26	4.4	Surface	1.0	0.0	208	28.3	28.3	7.8	7.8	19.1	19.1	86.8	86.7	6.1	5.8	7	-	-	816585	810709	-	-	-	-					
						1.0	0.0	214	28.3	28.3	7.8	7.8	19.1	19.1	86.5	86.5	6.1	5.9	7	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	5.8	6	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	5.8	6	-										
					Bottom	3.4	0.1	68	28.2	28.2	7.8	7.8	19.4	19.3	86.1	86.3	6.0	6.2	5	-												
						3.4	0.1	74	28.2	28.2	7.8	7.8	19.3	19.3	86.4	86.3	6.1	6.2	5	-												
SR6A	Rainy	Moderate	17:07	4.3	Surface	1.0	0.0	209	28.2	28.2	7.7	7.7	18.7	18.7	87.4	87.5	6.1	5.3	4	-	-	817940	814748	-	-	-	-					
						1.0	0.0	224	28.2	28.2	7.7	7.7	18.7	18.7	87.6	87.6	6.2	5.3	4	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	5.3	5	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	5.3	5	-										
					Bottom	3.3	0.0	69	28.2	28.2	7.7	7.7	18.9	18.9	89.6	89.8	6.3	5.5	5	-												
						3.3	0.0	74	28.2	28.2	7.7	7.7	18.9	18.9	90.0	89.8	6.3	5.5	5	-												
SR7	Rainy	Moderate	16:56	19.0	Surface	1.0	0.1	325	27.5	27.5	8.0	8.0	22.2	22.1	77.2	77.2	5.4	3.7	4	-	-	823645	823725	-	-	-	-					
						1.0	0.1	332	27.5	27.5	8.0	8.0	22.1	22.1	77.1	77.1	5.4	3.6	4	-												
					Middle	9.5	0.2	112	26.8	26.8	8.0	8.0	26.4	26.4	73.0	73.1	5.0	4.1	3	-												
						9.5	0.2	120	26.8	26.8	8.0	8.0	26.4	26.4	73.1	73.1	5.0	4.1	3	-												
					Bottom	18.0	0.1	64	26.0	26.1	8.0	8.0	30.0	29.9	69.7	69.8	4.8	6.0	3	-												
						18.0	0.1	65	26.1	26.1	8.0	8.0	29.9	29.9	69.8	69.8	4.8	5.7	3	-												
SR8	Cloudy	Calm	15:40	4.6	Surface	1.0	-	-	28.5	28.5	8.0	8.0	17.6	17.6	89.0	89.0	6.3	6.7	2	-	-	820411	811623	-	-	-	-					
						1.0	-	-	28.5	28.5	8.0	8.0	17.7	17.7	88.9	88.9	6.3	6.8	2	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	6.7	3	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	6.7	3	-										

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

Water Quality Monitoring Results on 04 June 20 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	Fine	Rough	11:37	8.6	Surface	1.0	0.4	217	28.6	28.6	7.8	7.8	15.9	15.9	92.9	92.8	6.6	6.0	3.5	6.5	3	4	85	87	815597	804236	<0.2	1.6	<0.2	1.6				
						1.0	0.4	237	28.6	28.6	7.8	7.8	15.9	15.9	92.7	92.8	6.6	6.0	3.6	6.5	3	4	85	87	815597	804236	<0.2	1.7	<0.2	1.6				
					Middle	4.3	0.8	190	27.2	27.2	7.8	7.8	23.3	23.3	75.3	75.3	5.3	5.3	5.9	6.3	4	4	87	88	815597	804236	<0.2	1.6	<0.2	1.5	<0.2	1.6		
						4.3	0.8	206	27.2	27.2	7.8	7.8	23.4	23.4	75.3	75.3	5.3	5.3	5.8	6.3	4	4	87	88	815597	804236	<0.2	1.5	<0.2	1.6				
					Bottom	7.6	0.7	207	26.2	26.2	7.8	7.8	28.7	28.7	67.3	67.4	4.6	4.6	10.0	10.3	4	4	89	90	815597	804236	<0.2	1.6	<0.2	1.6				
						7.6	0.7	208	26.2	26.2	7.8	7.8	28.7	28.7	67.4	67.4	4.6	4.6	10.3	10.3	4	4	89	90	815597	804236	<0.2	1.6	<0.2	1.6				
C2	Cloudy	Moderate	13:18	11.1	Surface	1.0	1.4	166	28.8	28.7	7.9	7.9	10.5	10.4	84.7	84.6	6.2	5.8	6.8	8.9	4	6	84	84	825689	806931	<0.2	2.2	<0.2	2.2				
						1.0	1.5	169	28.6	28.6	7.9	7.9	10.3	10.3	84.4	84.6	6.2	5.8	6.7	8.9	6	6	84	88	825689	806931	<0.2	2.1	<0.2	2.2				
					Middle	5.6	1.1	160	27.9	27.9	7.8	7.8	18.6	18.6	75.6	75.5	5.4	5.4	8.3	6.3	5	5	88	88	825689	806931	<0.2	2.2	<0.2	2.1	<0.2	2.2		
						5.6	1.1	167	27.9	27.9	7.8	7.8	18.6	18.6	75.4	75.4	5.3	5.3	8.5	6.3	6	5	88	89	825689	806931	<0.2	2.1	<0.2	2.2				
					Bottom	10.1	0.4	142	27.6	27.6	7.7	7.7	21.6	21.6	73.1	73.2	5.1	5.1	11.5	11.6	6	6	89	90	825689	806931	<0.2	2.2	<0.2	2.2				
						10.1	0.4	153	27.6	27.6	7.7	7.7	21.6	21.6	73.3	73.3	5.1	5.1	11.6	11.6	6	6	89	90	825689	806931	<0.2	2.2	<0.2	2.2				
C3	Fine	Moderate	10:52	12.8	Surface	1.0	0.2	128	27.7	27.7	8.0	8.0	22.0	22.0	80.8	80.8	5.6	5.5	4.1	6.3	5	5	83	83	822092	817791	<0.2	1.5	<0.2	1.4				
						1.0	0.3	130	27.7	27.7	8.0	8.0	22.0	22.0	80.7	80.7	5.6	5.5	4.1	6.3	5	5	83	87	822092	817791	<0.2	1.4	<0.2	1.5				
					Middle	6.4	0.2	88	27.1	27.1	7.9	7.9	23.5	23.5	76.9	76.9	5.4	5.4	6.9	6.3	5	5	87	87	822092	817791	<0.2	1.4	<0.2	1.5				
						6.4	0.2	88	27.0	27.0	7.9	7.9	23.5	23.5	76.9	76.9	5.4	5.4	7.3	6.3	6	5	87	92	822092	817791	<0.2	1.5	<0.2	1.4				
					Bottom	11.8	0.5	41	26.9	27.0	7.9	7.9	26.6	26.6	71.3	71.4	4.9	4.9	7.9	5.5	5	5	92	92	822092	817791	<0.2	1.4	<0.2	1.5				
						11.8	0.5	44	27.0	27.0	7.9	7.9	26.6	26.6	71.5	71.5	4.9	4.9	7.6	5.5	6	5	92	92	822092	817791	<0.2	1.5	<0.2	1.5				
IM1	Fine	Moderate	11:58	4.9	Surface	1.0	0.2	31	28.4	28.4	7.9	7.9	16.7	16.7	91.0	90.9	6.4	6.4	3.5	5.6	4	5	86	87	817971	807115	<0.2	1.5	<0.2	1.5				
						1.0	0.2	31	28.4	28.4	7.9	7.9	16.7	16.7	90.7	90.7	6.4	6.4	4.0	5.6	4	5	87	87	817971	807115	<0.2	1.5	<0.2	1.5				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.9	0.1	308	26.5	26.5	7.9	7.9	27.4	27.4	73.9	74.2	5.1	5.1	7.5	5.1	5	5	89	88	817971	807115	<0.2	1.5	<0.2	1.6				
						3.9	0.1	332	26.5	26.5	7.9	7.9	27.4	27.4	74.4	74.4	5.1	5.1	7.5	5.1	5	5	88	88	817971	807115	<0.2	1.6	<0.2	1.6				
IM2	Fine	Moderate	12:06	7.2	Surface	1.0	0.3	158	27.6	27.6	7.8	7.8	20.9	20.9	78.3	78.3	5.5	5.1	5.1	8.3	4	3	84	83	818149	806175	<0.2	1.4	<0.2	1.5				
						1.0	0.3	164	27.6	27.6	7.8	7.8	20.9	20.9	78.2	78.2	5.5	5.1	5.2	8.3	3	3	83	85	818149	806175	<0.2	1.5	<0.2	1.5				
					Middle	3.6	0.2	159	26.4	26.5	7.8	7.8	27.3	27.3	67.1	67.2	4.6	4.6	8.0	6.3	3	3	86	86	818149	806175	<0.2	1.5	<0.2	1.5				
						3.6	0.2	164	26.5	26.5	7.8	7.8	27.3	27.3	67.2	67.2	4.6	4.6	8.0	6.3	3	3	86	88	818149	806175	<0.2	1.5	<0.2	1.5				
					Bottom	6.2	0.1	148	26.3	26.3	7.8	7.8	28.4	28.4	68.0	68.2	4.7	4.7	11.7	11.2	4	3	88	88	818149	806175	<0.2	1.5	<0.2	1.4				
						6.2	0.1	157	26.3	26.3	7.8	7.8	28.4	28.4	68.3	68.2	4.7	4.7	11.2	11.2	3	3	88	88	818149	806175	<0.2	1.4	<0.2	1.4				
IM3	Fine	Moderate	12:12	7.3	Surface	1.0	0.1	212	28.4	28.4	7.8	7.8	16.6	16.7	91.5	91.4	6.5	5.8	5.1	7.2	5	4	83	82	818782	805602	<0.2	1.5	<0.2	1.6				
						1.0	0.1	225	28.4	28.4	7.8	7.8	16.7	16.7	91.3	91.3	6.5	5.8	5.3	7.2	4	4	82	86	818782	805602	<0.2	1.6	<0.2	1.5				
					Middle	3.7	0.3	152	27.3	27.3	7.8	7.8	22.6	22.6	71.6	71.5	5.0	5.0	6.6	6.3	5	5	86	86	818782	805602	<0.2	1.5	<0.2	1.5				
						3.7	0.3	153	27.2	27.2	7.8	7.8	22.6	22.6	71.4	71.5	5.0	5.0	6.4	6.3	5	5	86	89	818782	805602	<0.2	1.5	<0.2	1.6				
					Bottom	6.3	0.2	146	26.6	26.6	7.8	7.8	26.6	26.6	69.4	69.6	4.8	4.8	10.2	9.9	4	3	89	88	818782	805602	<0.2	1.6	<0.2	1.6				
						6.3	0.3	148	26.6	26.6	7.8	7.8	26.7	26.6	69.5	69.6	4.8	4.8	9.9	9.9	3	3	88	88	818782	805602	<0.2	1.6	<0.2	1.6				
IM4	Fine	Moderate	12:23	8.0	Surface	1.0	1.0	202	28.0	28.0	7.8	7.8	19.6	19.6	77.3	77.3	5.4	5.4	8.3	13.3	7	8	82	83	819721	804591	<0.2	1.4	<0.2	1.5				
						1.0	1.1	222	28.0	28.0	7.8	7.8	19.6	19.6	77.2	77.3	5.4	5.4	8.9	13.3	6	8	83	86	819721	804591	<0.2	1.5	<0.2	1.5				
					Middle	4.0	0.9	194	27.9	27.9	7.8	7.8	20.0	20.1	76.9	76.9	5.4	5.4	13.6	13.7	8	8	86	85	819721	804591	<0.2	1.5	<0.2	1.4				
						4.0	1.0	206	27.9	27.9	7.8	7.8	20.1	20.1	76.9	76.9	5.4	5.4	13.7	13.7	8	8	85	88	819721	804591	<0.2	1.5	<0.2	1.4				
					Bottom	7.0	0.8	205	27.6	27.6	7.8	7.8	21.3	21.3	77.2	77.4	5.4	5.4	17.7	17.7	8	8	88	88	819721	804591	<0.2	1.4	<0.2	1.4				
						7.0	0.8	210	27.6	27.6	7.8	7.8	21.3	21.3	77.6	77.4	5.4	5.4	17.7	17.7	8	8	88	88	819721	804591	<0.2	1.4	<0.2	1.4				
IM5	Fine	Rough	12:34	7.4	Surface	1.0	1.1	212	28.9	28.9	7.8	7.8	17.2	17.2	91.5	91.5	6.4	6.3	4.3	5.4	7	6	83	83	820740	804861	<0.2	1.4	<0.2	1.5				
						1.0	1.1	214	28.9	28.9	7.8	7.8	17.2	17.2	91.4	91.5	6.4	6.3	4.3	5.4	6	6	83	87	820740	804861	<0.2	1.5	<0.2	1.4				
					Middle	3.7	1.1	216	28.6	28.6	7.8	7.8	17.8	17.8	87.7	87.7	6.2	6.2	4.8	5.4	5	5	87	87	820740	804861	<0.2	1.4	<0.2	1.5				
						3.7	1.1	220	28.6	28.6	7.8	7.8	17.8	17.8	87.7</																			

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

Water Quality Monitoring Results on 04 June 20 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	12:37	7.2	Surface	1.0	0.3	131	28.2	28.2	7.9	7.9	18.2	18.2	84.5	84.6	6.0	6.0	6.6	4	83	85	822096	808815	<0.2	1.6	1.6					
						1.0	0.3	143	28.2	28.2	7.9	7.9	18.2	18.2	84.6	84.6	6.0	6.0	6.8	4	83	85	822096	808815	<0.2	1.5						
					Middle	3.6	0.3	137	28.0	28.0	7.9	7.9	18.6	18.6	80.6	80.7	5.7	5.9	8.2	4	84	85	822096	808815	<0.2	1.5						
						3.6	0.3	142	28.0	28.0	7.9	7.9	18.6	18.6	80.7	80.7	5.7	5.9	8.1	4	84	85	822096	808815	<0.2	1.5						
					Bottom	6.2	0.2	109	27.7	27.7	7.8	7.8	19.8	19.8	77.7	77.8	5.5	5.5	8.1	6	88	88	822096	808815	<0.2	1.6						
						6.2	0.2	114	27.7	27.7	7.8	7.8	19.7	19.7	77.8	77.8	5.5	5.5	8.2	5	88	88	822096	808815	<0.2	1.6						
IM10	Cloudy	Moderate	12:28	7.5	Surface	1.0	0.7	117	28.2	28.2	7.9	7.9	17.8	17.8	84.6	84.6	6.0	6.0	6.2	6	83	85	822403	809781	<0.2	1.6	1.6					
						1.0	0.8	121	28.2	28.2	7.9	7.9	17.8	17.8	84.6	84.6	6.0	5.8	6.4	6	83	85	822403	809781	<0.2	1.6						
					Middle	3.8	0.7	116	27.8	27.8	7.8	7.8	19.2	19.2	78.1	78.1	5.5	5.5	11.6	5	84	85	822403	809781	<0.2	1.4						
						3.8	0.8	117	27.8	27.8	7.8	7.8	19.3	19.3	78.0	78.0	5.5	5.5	12.1	5	84	85	822403	809781	<0.2	1.6						
					Bottom	6.5	0.5	111	27.8	27.8	7.8	7.7	19.5	19.5	78.9	79.1	5.6	5.6	14.1	6	87	88	822403	809781	<0.2	1.6						
						6.5	0.6	118	27.8	27.8	7.7	7.7	19.5	19.5	79.2	79.2	5.6	5.6	14.0	5	88	88	822403	809781	<0.2	1.6						
IM11	Cloudy	Moderate	12:14	9.0	Surface	1.0	0.8	112	28.3	28.3	7.9	7.9	16.9	16.9	87.2	87.2	6.2	6.0	5.3	6	84	86	822055	811437	<0.2	1.5	1.6					
						1.0	0.8	118	28.2	28.2	7.9	7.9	17.0	17.0	87.1	87.1	6.2	6.0	5.3	6	85	86	822055	811437	<0.2	1.6						
					Middle	4.5	0.7	110	27.9	27.9	7.9	7.9	18.7	18.7	80.8	80.8	5.7	6.0	6.2	6	87	88	822055	811437	<0.2	1.5						
						4.5	0.7	113	27.9	27.9	7.9	7.9	18.7	18.7	80.8	80.8	5.7	6.0	6.4	6	83	86	822055	811437	<0.2	1.6						
					Bottom	8.0	0.5	103	27.9	27.9	7.8	7.8	18.8	18.8	81.5	81.5	5.8	5.8	11.1	6	88	88	822055	811437	<0.2	1.6						
						8.0	0.5	110	27.9	27.9	7.8	7.8	18.8	18.8	81.8	81.7	5.8	5.8	11.7	4	88	88	822055	811437	<0.2	1.5						
IM12	Fine	Moderate	12:03	9.4	Surface	1.0	0.7	106	28.0	28.0	7.9	7.9	18.9	18.9	80.2	80.1	5.6	5.6	11.3	9	84	88	821461	812030	<0.2	1.4	1.4					
						1.0	0.7	113	27.9	27.9	7.9	7.9	19.0	19.0	80.0	80.0	5.6	5.6	11.1	8	84	88	821461	812030	<0.2	1.4						
					Middle	4.7	0.5	101	27.8	27.8	7.9	7.9	19.3	19.4	78.6	78.6	5.5	5.6	10.3	8	88	88	821461	812030	<0.2	1.5						
						4.7	0.5	109	27.8	27.8	7.9	7.9	19.4	19.4	78.5	78.5	5.5	5.5	10.5	10	88	88	821461	812030	<0.2	1.4						
					Bottom	8.4	0.4	81	27.7	27.7	7.8	7.8	20.1	20.1	77.2	77.2	5.4	5.4	12.2	9	92	92	821461	812030	<0.2	1.4						
						8.4	0.4	85	27.7	27.7	7.8	7.8	20.1	20.1	77.2	77.2	5.4	5.4	12.3	10	92	92	821461	812030	<0.2	1.5						
SR1A	Fine	Calm	11:44	5.0	Surface	1.0	-	-	28.3	28.3	7.9	7.9	18.6	18.6	83.3	83.3	5.9	5.9	7.2	7	-	-	819980	812659	-	-	-					
						1.0	-	-	28.3	28.3	7.9	7.9	18.6	18.6	83.3	83.3	5.9	5.9	7.2	6	-	-	819980	812659	-	-						
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	6	-	-	819980	812659	-		-				
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	819980	812659		-	-			
					Bottom	4.0	-	-	27.9	28.0	7.8	7.8	20.5	20.5	78.9	78.9	5.5	5.5	6.2	5	-	-	-	-	819980	812659		-	-			
						4.0	-	-	28.0	28.0	7.8	7.8	20.4	20.4	78.9	78.9	5.5	5.5	6.2	6	-	-	-	-	819980	812659		-	-			
SR2	Fine	Moderate	11:28	4.7	Surface	1.0	0.5	103	27.9	27.9	7.8	7.8	19.1	19.2	80.6	80.5	5.7	5.7	7.3	4	86	89	821440	814158	<0.2	1.6	1.6					
						1.0	0.5	107	27.9	27.9	7.8	7.8	19.2	19.2	80.3	80.3	5.7	5.7	7.4	4	87	89	821440	814158	<0.2	1.6						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	5	-	-	821440	814158	<0.2		1.6				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	821440	814158		<0.2	1.6			
					Bottom	3.7	0.4	100	27.8	27.8	7.8	7.7	19.6	19.6	80.6	80.8	5.7	5.7	8.0	5	90	91	821440	814158	<0.2	1.6						
						3.7	0.4	105	27.8	27.8	7.7	7.7	19.6	19.6	80.9	80.9	5.7	5.7	8.1	5	91	91	821440	814158	<0.2	1.5						
SR3	Cloudy	Moderate	12:52	8.7	Surface	1.0	0.4	203	28.3	28.3	7.9	7.9	18.3	18.3	84.6	84.6	6.0	6.0	6.3	4	-	-	822164	807571	-	-	-					
						1.0	0.5	208	28.3	28.3	7.9	7.9	18.3	18.3	84.6	84.6	6.0	6.0	6.4	5	-	-	822164	807571	-	-						
					Middle	4.4	0.5	200	27.9	27.9	7.9	7.9	18.9	19.0	79.0	78.9	5.6	5.6	7.6	4	-	-	822164	807571	-	-						
						4.4	0.5	218	27.9	27.9	7.9	7.9	19.0	19.0	78.8	78.9	5.6	5.6	7.7	5	-	-	822164	807571	-	-						
					Bottom	7.7	0.3	228	27.9	27.9	7.9	7.9	19.2	19.2	78.0	78.1	5.5	5.5	9.9	6	-	-	822164	807571	-	-						
						7.7	0.3	234	27.9	27.9	7.9	7.9	19.2	19.2	78.2	78.1	5.5	5.5	9.9	6	-	-	822164	807571	-	-						
SR4A	Fine	Calm	11:16	9.1	Surface	1.0	0.1	296	28.1	28.1	7.8	7.8	18.5	18.4	81.8	81.6	5.8	5.8	5.9	4	-	-	817175	807822	-	-	-					
						1.0	0.1	298	28.1	28.1	7.8	7.8	18.4	18.4	81.4	81.4	5.7	5.7	5.8	4	-	-	817175	807822	-	-						
					Middle	4.6	0.2	79	26.5	26.5	7.8	7.8	26.8	26.8	68.6	68.6	4.7	5.2	7.8	5	-	-	817175	807822	-	-						
						4.6	0.2	83	26.5	26.5	7.8	7.8	26.8	26.8	68.6	68.6	4.7	5.2	7.9	4	-	-	817175	807822	-	-						
					Bottom	8.1	0.2	63	26.4	26.4	7.8	7.8	27.5	27.5	67.1	67.1	4.6	4.6	9.4	5	-	-	817175	807822	-	-						
						8.1	0.2	68	26.4	26.4	7.8	7.8	27.5	27.5	67.1	67.1	4.6	4.6	9.5	6	-	-	817175	807822	-	-						
SR5A	Fine	Calm	10:59	3.6	Surface	1.0	0.1	82	28.5	28.5	7.8	7.8	17.2	17.2	87.0	87.0	6.1	6.1	5.8	8	-	-	816572	810694	-	-	-					
						1.0	0.1	86	28.5	28.5	7.8	7.8	17.2	17.2	86.9	87.0	6.1	6.1	5.9	9	-	-	816572	810694	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	9	-	-	816572	810694	-		-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	816572	810694		-	-			
					Bottom	2.6	0.1	95	28.5	28.5	7.8	7.8	17.7	17.7	86.3	86.3	6.1	6.1	6.6	9	-	-	816572	810694	-	-						
						2.6	0.1	96	28.5	28.5	7.8	7.8	17.7	17.7	86.3	86.3	6.1	6.1	6.6	9	-	-	816572	810694	-	-						
SR6A	Fine	Calm	10:26	4.3	Surface	1.0	0.1	16	28.2	28.2	7.8	7.8																				

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

Water Quality Monitoring Results on **04 June 20** 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		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	18:10	8.1	Surface	1.0	0.7	17	28.8	28.8	7.8	7.8	17.1	17.1	90.0	90.0	6.3	6.3	7.0	9	84	84	84	84	815638	804265	<0.2	1.5				
						1.0	0.7	17	28.8	28.8	7.8	7.8	17.1	17.1	89.9	89.9	6.3	6.3	7.0	9	84	84										
						4.1	0.5	8	28.4	28.4	7.8	7.8	18.7	18.7	84.5	84.5	5.9	5.9	10.2	7	87	87										
					4.1	0.6	8	28.4	28.4	7.8	7.8	18.7	18.7	84.5	84.5	5.9	5.9	10.1	8	88	88											
					7.1	0.5	20	27.4	27.4	7.8	7.8	22.6	22.6	75.6	75.6	5.3	5.3	13.5	7	89	89											
					7.1	0.5	20	27.4	27.4	7.8	7.8	22.6	22.6	75.7	75.7	5.3	5.3	13.0	8	90	90											
C2	Fine	Rough	16:56	11.2	Surface	1.0	0.7	184	28.9	28.9	7.9	7.9	10.7	10.7	86.5	86.4	6.3	6.3	8.0	5	85	85	85	85	825665	806931	<0.2	2.3				
						1.0	0.7	198	28.9	28.9	7.9	7.9	10.7	10.7	86.3	86.3	6.3	6.3	8.0	6	86	86										
						5.6	0.2	176	27.5	27.5	7.8	7.8	19.9	19.9	67.8	67.8	4.8	4.8	9.3	8	89	89										
					5.6	0.3	188	27.5	27.5	7.8	7.8	19.9	19.9	67.7	67.7	4.8	4.8	9.3	7	89	89											
					10.2	0.2	350	27.4	27.4	7.7	7.7	21.5	21.5	67.2	67.2	4.7	4.7	12.1	8	90	90											
					10.2	0.2	353	27.4	27.4	7.7	7.7	21.5	21.5	67.3	67.3	4.7	4.7	12.0	9	90	90											
C3	Fine	Moderate	18:59	12.1	Surface	1.0	0.5	240	28.0	28.0	8.0	8.0	20.2	20.1	76.9	77.0	5.4	5.4	4.7	6	86	86	86	86	822108	817821	<0.2	1.7				
						1.0	0.5	245	28.0	28.0	8.0	8.0	20.0	20.0	77.1	77.1	5.4	5.4	4.7	5	86	86										
						6.1	0.5	252	27.1	27.1	7.9	7.9	24.4	24.5	70.9	70.7	4.9	4.9	5.2	5	89	89										
					6.1	0.6	268	27.0	27.0	7.9	7.9	24.6	24.5	70.5	70.5	4.9	4.9	5.7	6	89	89											
					11.1	0.3	259	26.7	26.7	7.9	7.8	26.0	26.0	69.3	69.3	4.8	4.8	9.6	5	90	90											
					11.1	0.3	272	26.7	26.7	7.8	7.8	26.0	26.0	69.3	69.3	4.8	4.8	9.6	4	90	90											
IM1	Fine	Moderate	17:47	4.6	Surface	1.0	0.2	4	29.0	29.0	7.9	7.9	17.3	17.3	98.6	98.5	6.9	6.9	4.7	10	85	85	85	85	817961	807119	<0.2	1.5				
						1.0	0.2	4	28.9	28.9	7.9	7.9	17.3	17.3	98.4	98.4	6.9	6.9	5.4	11	85	85										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					3.6	0.2	343	27.9	27.9	7.9	7.9	21.0	21.0	85.0	85.1	5.9	5.9	11.7	12	87	87											
					3.6	0.2	358	27.9	27.9	7.9	7.9	21.1	21.0	85.2	85.2	5.9	5.9	12.1	12	88	88											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
IM2	Fine	Moderate	17:39	6.5	Surface	1.0	0.5	2	28.7	28.7	7.8	7.8	18.4	18.4	87.9	87.9	6.1	6.1	5.9	8	83	83	83	83	818185	806157	<0.2	1.6				
						1.0	0.5	2	28.7	28.7	7.8	7.8	18.5	18.4	87.8	87.8	6.1	6.1	6.0	7	83	83										
						3.3	0.5	348	28.0	28.0	7.8	7.8	21.3	21.3	82.6	82.6	5.7	5.7	9.2	8	86	86										
					3.3	0.5	320	28.0	28.0	7.8	7.8	21.3	21.3	82.6	82.6	5.7	5.7	9.3	8	86	86											
					5.5	0.5	359	27.6	27.6	7.8	7.8	24.1	24.2	77.0	77.1	5.3	5.3	15.3	7	89	89											
					5.5	0.5	330	27.6	27.6	7.8	7.8	24.2	24.2	77.2	77.2	5.3	5.3	14.9	7	89	89											
IM3	Fine	Rough	17:31	6.7	Surface	1.0	0.7	324	28.7	28.7	7.8	7.8	20.2	20.2	86.7	86.6	6.0	6.0	5.6	6	82	82	82	82	818767	805615	<0.2	1.4				
						1.0	0.7	349	28.7	28.7	7.8	7.8	20.2	20.2	86.5	86.5	6.0	6.0	5.6	7	83	83										
						3.4	0.6	336	27.8	27.8	7.8	7.8	21.3	21.3	77.5	77.6	5.4	5.4	6.3	7	86	86										
					3.4	0.6	335	27.8	27.8	7.8	7.8	21.3	21.3	77.5	77.5	5.4	5.4	6.3	6	87	87											
					5.7	0.6	337	26.8	26.8	7.8	7.8	26.2	26.2	69.3	69.3	4.8	4.8	10.6	6	88	88											
					5.7	0.7	341	26.8	26.8	7.8	7.8	26.2	26.2	69.5	69.5	4.8	4.8	10.7	7	88	88											
IM4	Fine	Moderate	17:17	7.4	Surface	1.0	0.8	323	28.8	28.8	7.8	7.8	19.2	19.2	92.6	92.6	6.4	6.4	4.7	5	83	83	83	83	819739	804608	<0.2	1.6				
						1.0	0.8	345	28.7	28.7	7.8	7.8	19.2	19.2	92.5	92.5	6.4	6.4	5.0	5	83	83										
						3.7	0.7	322	27.9	27.9	7.8	7.8	21.3	21.3	80.4	80.4	5.6	5.6	7.1	6	85	85										
					3.7	0.7	331	27.9	27.9	7.8	7.8	21.3	21.3	80.4	80.4	5.6	5.6	7.2	7	86	86											
					6.4	0.6	324	26.9	26.9	7.8	7.8	25.4	25.4	72.2	72.3	5.0	5.0	12.4	6	88	88											
					6.4	0.6	350	26.9	26.9	7.8	7.8	25.4	25.4	72.4	72.4	5.0	5.0	12.4	7	88	88											
IM5	Fine	Moderate	17:07	6.8	Surface	1.0	0.4	321	29.0	29.0	7.8	7.8	14.1	14.1	88.8	88.8	6.3	6.3	7.2	8	83	83	83	83	820754	804877	<0.2	2.0				
						1.0	0.4	331	29.0	29.0	7.8	7.8	14.1	14.1	88.8	88.8	6.3	6.3	7.2	8	83	83										
						3.4	0.5	344	28.5	28.5	7.8	7.8	19.7	19.7	88.5	88.5	6.2	6.2	8.5	7	87	87										
					3.4	0.6	349	28.5	28.5	7.8	7.8	19.7	19.7	88.4	88.4	6.2	6.2	8.9	7	86	86											
					5.8	0.5	353	28.1	28.1	7.9	7.9	21.0	21.0	86.5	86.5	6.0	6.0	11.8	6	88	88											
					5.8	0.5	354	28.1	28.1	7.9	7.9	21.0	21.0	86.7	86.6	6.0	6.0	11.8	8	88	88											
IM6	Fine	Moderate	17:00	6.5	Surface	1.0	0.6	286	29.1	29.1	7.7	7.7	12.6	12.5	88.2	88.2	6.3	6.3	5.6	8	82	82	82	82	821075	805845	<0.2	2.1				
						1.0	0.6	306	29.1	29.1	7.7	7.7	12.5	12.5	88.1	88.1	6.3	6.3	5.6	8	83	83										
						3.3	0.5	282	28.9	28.9	7.7	7.7	13.8	13.8	85.3	85.3	6.1	6.1	6.9	8	85	85										
					3.3	0.5	293	28.9	28.9	7.7	7.7	13.8	13.8	85.3	85.3	6.1	6.1	7.0	7	86	86											
					5.5	0.4	274	28.8	28.8	7.7	7.7	14.3	14.3	85.2	85.2	6.1	6.1	8.2	7	87	87											
					5.5	0.4	274	28.8	28.8	7.7	7.7	14.3	14.3	85.4	85.3	6.1	6.1	8.2	7	88	88											
IM7	Fine	Moderate	16:53	7.9	Surface	1.0	0.7	234	29.0	29.0	7.7	7.7	11.9	11.9	84.2	84.2	6.1	6.1	5.9	6	82	82	82	82	821340	806824	<0.2	1.9				
						1.0	0.7	252	29.0	29.0	7.7	7.7	11.9	11.9	84.1	84.1	6.1	6.1	6.1	5	83	83										
						4.0	0.6	247	28.4	28.4	7.7	7.7	15.7	15.7	77.5	77.5	5.5	5.5	7.7	7	86	86										
					4.0	0.6	270	28.4	28.4	7.7	7.7	15.7	15.7	77.5	77.5	5.5	5.5	7.7	6	86	86											
					6.9	0.6	261	28.3	28.3	7.7	7.7	16.8	16.8	78.6	78.6	5.6	5.6	10.2	6	88	88											
					6.9	0.7	266	28.3	28.3	7.7	7.7	16.8	16.8	79.0	78.8	5.6	5.6	10.2	7	88	88											
IM8	Fine	Moderate	17:23	7.1	Surface	1.0	0.2	217	29.1	29.1	7.8	7.8	12.1	12.0	89.1	89.0	6.4	6.4	6.0	4	85	85	85	85	821825	808122	<0.2	2.2				
						1.0	0.2	236	29.1	29.1	7.8	7.8	12.0	12.0	88.8	88.8	6.4	6.4	6.0	4	85	85										
						3.6	0.2	229	29.0	29.0	7.8	7.8	12.8	12.8	88.3	88																

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

Water Quality Monitoring Results on 04 June 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
IM9	Fine	Moderate	17:32	6.5	Surface	1.0	0.2	226	29.3	29.3	7.8	7.8	10.6	10.6	91.5	91.4	6.6	6.6	5.8	4	82	85	85	85	85	822109	808825	<0.2	2.6	<0.2	2.6				
						1.0	0.2	241	29.3	29.3	7.8	7.8	10.6	10.6	91.3	91.4	6.6	6.6	5.9	5	82	85													
					Middle	3.3	0.2	271	29.1	29.1	7.7	7.7	12.3	12.3	88.7	88.6	6.4	6.4	6.6	4	85	85	85	85											
						3.3	0.2	273	29.1	29.1	7.7	7.7	12.3	12.3	88.5	88.6	6.4	6.4	6.7	4	85	85	85	85											
					Bottom	5.5	0.1	313	29.2	29.2	7.7	7.7	13.4	13.4	87.2	87.1	6.2	6.2	7.0	4	88	88	88	88											
						5.5	0.1	321	29.2	29.2	7.7	7.7	13.4	13.4	87.0	87.0	6.2	6.2	7.0	4	88	88	88	88											
IM10	Fine	Moderate	17:41	6.4	Surface	1.0	0.4	311	29.0	29.0	7.9	7.9	13.7	13.6	90.1	90.0	6.4	6.4	6.6	4	85	85	85	85	88	822373	809806	<0.2	2.3	<0.2	2.3				
						1.0	0.4	335	29.0	29.0	7.9	7.9	13.6	13.6	89.9	89.5	6.4	6.3	6.8	4	85	88													
					Middle	3.2	0.5	307	28.8	28.8	7.8	7.8	16.1	16.1	88.5	88.5	6.3	6.3	8.7	4	88	88	88	88											
						3.2	0.5	322	28.8	28.8	7.8	7.8	16.1	16.1	88.4	88.4	6.2	6.2	8.9	4	88	88	88	88											
					Bottom	5.4	0.4	298	28.7	28.7	7.8	7.8	16.4	16.4	87.6	87.6	6.2	6.2	10.6	4	90	90	90	90											
						5.4	0.4	307	28.7	28.7	7.8	7.8	16.4	16.4	87.6	87.6	6.2	6.2	10.5	4	90	90	90	90											
IM11	Fine	Moderate	17:53	6.3	Surface	1.0	0.6	317	28.8	28.8	7.9	7.9	14.1	14.2	86.8	86.6	6.2	6.2	6.3	4	84	85	85	85	88	822033	811460	<0.2	2.0	<0.2	2.0				
						1.0	0.6	335	28.8	28.8	7.9	7.9	14.2	14.2	86.4	86.2	6.2	6.0	7.1	5	85	88													
					Middle	3.2	0.7	305	27.9	27.9	7.8	7.8	17.6	17.5	82.0	81.9	5.8	5.8	6.7	6	89	89	89	89											
						3.2	0.7	311	27.9	27.9	7.8	7.8	17.6	17.5	81.8	81.8	5.8	5.4	6.7	6	89	89	89	89											
					Bottom	5.3	0.3	285	27.6	27.6	7.7	7.7	21.9	21.9	77.9	78.4	5.4	5.5	9.9	5	90	90	90	90											
						5.3	0.3	292	27.6	27.6	7.6	7.7	21.9	21.9	78.8	78.4	5.4	5.5	9.2	5	90	90	90	90											
IM12	Fine	Moderate	18:02	7.8	Surface	1.0	0.6	290	28.7	28.7	7.9	7.9	17.0	17.0	86.7	86.6	6.1	6.1	5.9	6	85	85	85	85	88	821460	812037	<0.2	1.8	<0.2	1.8				
						1.0	0.6	293	28.6	28.7	7.9	7.9	16.9	16.9	86.5	86.1	6.0	6.0	6.0	6	85	85													
					Middle	3.9	0.5	272	28.5	28.5	7.9	7.9	19.7	19.7	85.3	85.3	5.9	6.0	8.5	6	88	88	88	88											
						3.9	0.5	296	28.5	28.5	7.9	7.9	19.8	19.8	85.3	85.3	5.9	6.0	8.6	5	88	88	88	88											
					Bottom	6.8	0.4	282	28.5	28.5	7.8	7.8	19.9	19.9	85.3	85.3	5.9	5.9	7.4	6	90	90	90	90											
						6.8	0.4	310	28.5	28.5	7.8	7.8	19.9	19.9	85.3	85.3	5.9	5.9	7.1	6	90	90	90	90											
SR1A	Fine	Moderate	18:21	4.7	Surface	1.0	-	-	28.9	28.9	7.9	7.9	16.0	16.0	92.2	92.3	6.5	6.5	5.8	6	-	-	-	-	819979	812657	-	-	-	-					
						1.0	-	-	28.9	28.9	7.9	7.9	15.9	15.9	92.3	92.3	6.5	6.5	5.7	5	-	-													
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	
					Bottom	3.7	-	-	29.0	29.0	7.8	7.8	18.7	18.6	92.9	93.0	6.4	6.5	5.5	5	-	-	-	-			-	-	-	-	-	-	-	-	
						3.7	-	-	29.0	29.0	7.8	7.8	18.6	18.6	93.0	93.0	6.4	6.5	5.5	6	-	-	-	-			-	-	-	-	-	-	-	-	
SR2	Fine	Moderate	18:34	4.4	Surface	1.0	0.2	316	28.2	28.2	7.9	7.9	18.8	18.8	81.7	81.5	5.7	5.7	12.0	6	84	84	84	84	87	821456	814187	<0.2	1.9	<0.2	1.9				
						1.0	0.2	320	28.1	28.1	7.9	7.9	18.9	18.8	81.3	81.3	5.7	5.7	12.3	6	84	84													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	3.4	0.2	323	28.2	28.3	7.8	7.7	20.5	20.5	80.4	80.6	5.6	5.6	14.0	5	89	89	89	89											
						3.4	0.2	337	28.3	28.3	7.7	7.7	20.5	20.5	80.7	80.6	5.6	5.6	14.0	5	89	89	89	89											
SR3	Fine	Moderate	17:14	8.0	Surface	1.0	0.3	212	29.3	29.3	7.8	7.8	10.8	10.8	89.4	89.4	6.5	6.5	5.8	5	-	-	-	-	822146	807549	-	-	-	-					
						1.0	0.3	231	29.2	29.2	7.8	7.8	10.8	10.8	89.3	89.4	6.5	6.0	6.0	6	-	-													
					Middle	4.0	0.4	219	28.6	28.6	7.8	7.8	13.3	13.3	83.2	83.1	6.0	6.0	7.9	5	-	-													
						4.0	0.4	225	28.5	28.6	7.8	7.8	13.3	13.3	83.0	83.1	6.0	6.0	8.0	5	-	-													
					Bottom	7.0	0.3	247	28.2	28.2	7.7	7.7	16.6	16.6	76.6	76.7	5.5	5.5	11.5	6	-	-													
						7.0	0.3	250	28.2	28.2	7.7	7.7	16.6	16.6	76.7	76.7	5.5	5.5	11.4	5	-	-													
SR4A	Cloudy	Calm	18:28	9.0	Surface	1.0	0.1	68	28.7	28.7	7.8	7.8	19.0	19.0	85.7	85.7	6.0	6.0	10.2	9	-	-	-	-	817195	807824	-	-	-	-					
						1.0	0.1	68	28.7	28.7	7.8	7.8	19.0	19.0	85.7	85.7	6.0	6.0	10.4	10	-	-													
					Middle	4.5	0.1	82	28.6	28.6	7.8	7.8	19.0	19.0	84.4	84.4	5.9	5.9	13.0	12	-	-													
						4.5	0.1	86	28.6	28.6	7.8	7.8	19.0	19.0	84.3	84.3	5.9	5.9	13.6	12	-	-													
					Bottom	8.0	0.1	83	28.6	28.6	7.8	7.8	19.0	19.0	84.2	84.3	5.9	5.9	14.2	13	-	-													
						8.0	0.1	90	28.6	28.6	7.8	7.8	19.0	19.0	84.3	84.3	5.9	5.9	14.0	14	-	-													
SR5A	Cloudy	Calm	18:45	3.3	Surface	1.0	0.1	7	28.9	28.9	7.8	7.8	19.4	19.4	90.1	90.1	6.2	6.2	10.2	11	-	-	-	-	816571	810700	-	-	-	-					
						1.0	0.1	7	28.9	28.9	7.8	7.8	19.4	19.4	90.1	90.1	6.2	6.2	10.4	10	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-				
					Bottom	2.3	0.0	58	28.9	28.9	7.9	7.9	19.4	19.4	90.1	90.2	6.2	6.2	11.1	12	-	-													
						2.3	0.0	60	28.9	28.9	7.9	7.9	19.4	19.4	90.2	90.2	6.2	6.2	11.1	11	-	-													
SR6A	Cloudy	Calm	19:17	3.9	Surface	1.0	0.1	202	28.7	28.7	7.8	7.8	18.6	18.6	89.6	89.6	6.3	6.3	5.0	6	-	-	-	-	817972	814724	-	-	-	-					
						1.0	0.1	220	28.7	28.7	7.8	7.8	18.6	18.6	89.6	89.6	6.3	6.3	5.0	6	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-					
					Bottom	2.9	0.0	296	28.9	28.9	7.9	7.9	19.6	19.6	90.7	90.7	6.3	6.3	7.7	5	-	-													
						2.9	0.0	304	28.9	28.9	7.9	7.9	19.6	19.6</																					

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

Water Quality Monitoring Results on 06 June 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Cloudy	Moderate	13:38	8.4	Surface	1.0	0.5	214	28.0	28.0	8.0	8.0	19.0	18.9	84.9	84.9	6.0	-	7.5	-	9	-	85	-	815629	804267	<0.2	1.4	1.4	1.4			
						1.0	0.5	224	28.0	28.0	8.0	8.0	18.9	18.9	84.8	84.8	6.0	5.4	7.5	-	9	-	86	-	87	-	88	-	90	-	90	-	
						4.2	0.8	196	26.8	26.8	8.0	8.0	24.8	24.3	67.9	67.9	4.7	-	9.5	-	9	-	87	-	88	-	89	-	90	-	90	-	
					4.2	0.8	203	26.8	26.8	8.0	8.0	23.8	23.8	67.8	67.8	4.8	-	9.2	-	9	-	88	-	89	-	90	-	90	-	90	-	90	-
					7.4	0.5	214	26.2	26.2	7.9	7.9	27.6	27.6	63.8	63.8	4.4	4.4	12.5	-	9	-	88	-	89	-	90	-	90	-	90	-	90	-
					7.4	0.5	216	26.2	26.2	7.9	7.9	27.6	27.6	64.0	64.0	4.4	4.4	12.6	-	9	-	88	-	89	-	90	-	90	-	90	-	90	-
C2	Cloudy	Moderate	14:25	11.5	Surface	1.0	1.4	157	28.2	28.2	7.7	7.7	11.8	11.8	84.3	84.3	6.2	-	8.1	-	8	-	86	-	825669	806939	<0.2	1.6	1.7	1.7			
						1.0	1.4	167	28.2	28.2	7.7	7.7	11.8	11.8	84.2	84.2	6.2	5.9	8.3	-	7	-	86	-	87	-	88	-	89	-	90	-	
						5.8	1.3	151	28.1	28.1	7.7	7.7	15.8	15.8	78.0	78.0	5.6	-	12.3	-	8	-	87	-	88	-	89	-	90	-	90	-	
					5.8	1.4	151	28.1	28.1	7.7	7.7	15.8	15.8	77.9	77.9	5.6	-	12.6	-	7	-	88	-	89	-	90	-	90	-	90	-	90	-
					10.5	0.8	147	27.5	27.5	7.7	7.7	22.0	22.0	70.5	70.6	4.9	4.9	13.1	-	9	-	88	-	89	-	90	-	90	-	90	-	90	-
					10.5	0.8	153	27.5	27.5	7.7	7.7	22.0	22.0	70.7	70.7	4.9	4.9	13.6	-	8	-	89	-	90	-	90	-	90	-	90	-	90	-
C3	Cloudy	Moderate	12:16	11.7	Surface	1.0	0.5	94	27.6	27.6	7.8	7.8	20.4	20.4	77.8	77.8	5.5	-	4.9	-	8	-	86	-	822094	817794	<0.2	1.5	1.4	1.4			
						1.0	0.5	97	27.6	27.6	7.8	7.8	20.4	20.4	77.8	77.8	5.5	5.2	5.0	-	9	-	85	-	87	-	88	-	89	-	90	-	
						5.9	0.3	37	27.0	27.0	7.8	7.8	23.9	23.9	70.6	70.5	4.9	4.9	9.0	-	8	-	87	-	88	-	89	-	90	-	90	-	
					5.9	0.3	38	26.9	26.9	7.8	7.8	23.9	23.9	70.4	70.4	4.9	4.9	9.8	-	9	-	88	-	89	-	90	-	90	-	90	-		
					10.7	0.3	29	26.7	26.7	7.8	7.8	26.7	26.7	70.3	70.4	4.9	4.9	12.6	-	8	-	89	-	90	-	90	-	90	-	90	-		
					10.7	0.4	29	26.7	26.7	7.8	7.8	26.7	26.7	70.5	70.5	4.9	4.9	11.9	-	9	-	89	-	90	-	90	-	90	-	90	-		
IM1	Cloudy	Moderate	14:00	4.5	Surface	1.0	0.0	8	28.2	28.2	8.0	8.0	17.3	17.3	85.6	85.4	6.1	-	5.7	-	6	-	86	-	817930	807128	<0.2	1.5	1.4	1.4			
						1.0	0.0	8	28.2	28.2	8.0	8.0	17.3	17.3	85.2	85.2	6.0	6.1	5.7	-	7	-	86	-	87	-	88	-	89	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.5	0.1	1	26.3	26.4	7.9	7.9	27.7	27.7	66.4	66.5	4.6	4.6	8.2	-	8	-	88	-	89	-	90	-	90	-	90	-		
					3.5	0.1	1	26.4	26.4	7.9	7.9	27.6	27.6	66.6	66.6	4.6	4.6	8.5	-	7	-	89	-	90	-	90	-	90	-	90	-		
					3.5	0.1	1	26.4	26.4	7.9	7.9	27.7	27.7	66.6	66.6	4.6	4.6	8.5	-	7	-	89	-	90	-	90	-	90	-	90	-		
IM2	Cloudy	Moderate	14:08	6.4	Surface	1.0	0.2	0	28.0	28.0	8.0	8.0	18.9	18.9	84.0	84.0	5.9	-	6.1	-	8	-	85	-	818177	806181	<0.2	1.4	1.4	1.4			
						1.0	0.2	0	28.0	28.0	8.0	8.0	18.9	18.9	83.9	83.9	5.9	5.6	6.1	-	7	-	85	-	86	-	87	-	88	-			
						3.2	0.0	208	27.4	27.4	8.0	8.0	21.2	21.2	73.8	73.8	5.2	-	7.7	-	8	-	86	-	87	-	88	-	89	-			
					3.2	0.0	227	27.4	27.4	8.0	8.0	21.2	21.2	73.7	73.7	5.2	-	7.7	-	7	-	87	-	88	-	89	-	90	-				
					5.4	0.1	354	26.2	26.2	7.9	7.9	28.1	28.1	62.4	62.5	4.3	4.3	9.0	-	7	-	89	-	90	-	90	-	90	-				
					5.4	0.1	326	26.2	26.2	7.9	7.9	28.1	28.1	62.6	62.5	4.3	4.3	9.1	-	6	-	90	-	90	-	90	-	90	-				
IM3	Cloudy	Moderate	14:14	6.6	Surface	1.0	0.1	213	28.2	28.2	8.0	8.0	17.1	17.1	91.0	90.9	6.3	-	5.6	-	6	-	85	-	818763	805600	<0.2	1.4	1.3	1.4			
						1.0	0.1	226	28.2	28.2	8.0	8.0	17.1	17.1	90.7	90.7	6.4	6.0	5.6	-	6	-	86	-	87	-	88	-					
						3.3	0.3	242	27.7	27.7	8.0	8.0	19.9	19.9	78.5	78.3	5.5	-	6.9	-	8	-	86	-	87	-	88	-					
					3.3	0.3	247	27.7	27.7	8.0	8.0	20.0	19.9	78.1	78.3	5.5	-	7.0	-	7	-	87	-	88	-	89	-						
					5.6	0.3	255	26.3	26.3	7.9	7.9	27.8	27.7	63.4	63.5	4.4	4.4	9.8	-	8	-	89	-	90	-	90	-						
					5.6	0.3	256	26.3	26.3	7.9	7.9	27.7	27.7	63.6	63.5	4.4	4.4	9.7	-	7	-	89	-	90	-	90	-						
IM4	Cloudy	Rough	14:30	7.3	Surface	1.0	1.3	198	28.0	28.0	7.9	7.9	17.7	17.7	82.8	82.8	5.9	-	14.7	-	14	-	85	-	819702	804603	<0.2	1.5	1.5	1.5			
						1.0	1.3	208	28.0	28.0	7.9	7.9	17.7	17.7	82.8	82.8	5.9	5.9	14.4	-	15	-	85	-	87	-	88	-					
						3.7	1.2	201	28.0	28.0	7.9	7.9	17.7	17.7	82.9	82.9	5.9	5.9	17.1	-	14	-	87	-	88	-	89	-					
					3.7	1.2	217	28.0	28.0	7.9	7.9	17.7	17.7	82.9	82.9	5.9	5.9	20.2	-	13	-	88	-	89	-	90	-						
					6.3	1.1	186	28.0	28.0	7.8	7.8	17.7	17.7	83.5	83.5	5.9	5.9	20.2	-	11	-	90	-	90	-	90	-						
					6.3	1.2	198	28.0	28.0	7.8	7.8	17.7	17.7	83.6	83.6	5.9	5.9	19.9	-	12	-	90	-	90	-	90	-						
IM5	Cloudy	Moderate	14:43	6.9	Surface	1.0	1.4	224	28.0	28.0	7.9	7.9	17.7	17.7	81.2	81.2	5.8	-	14.4	-	14	-	85	-	820758	804872	<0.2	1.5	1.5	1.5			
						1.0	1.4	232	28.0	28.0	7.9	7.9	17.7	17.7	81.2	81.2	5.8	5.7	14.4	-	14	-	85	-	87	-	88	-					
						3.5	1.2	223	27.9	27.9	7.9	7.9	18.5	18.5	79.2	79.2	5.6	-	17.9	-	13	-	86	-	87	-	88	-					
					3.5	1.2	243	27.9	27.9	7.9	7.9	18.6	18.5	79.2	79.2	5.6	-	18.3	-	22	-	86	-	87	-	88	-						
					5.9	1.1	217	27.9	27.9	7.8	7.8	18.7	18.7	80.1	80.3	5.7	5.7	20.7	-	23	-	89	-	90	-	90	-						
					5.9	1.2	232	27.9	27.9	7.8	7.8	18.7	18.7	80.4	80.3	5.7	5.7	21.2	-	22	-	89	-	90	-	90	-						
IM6	Cloudy	Moderate	14:56	6.6	Surface	1.0	1.4	247	28.1	28.1	7.9	7.9	16.5	16.5	84.3	84.3	6.0	-	15.9	-	20	-	84	-	821081	805808	<0.2	1.5	1.5	1.5			
						1.0	1.4	251	28.1	28.1	7.9	7.9	16.5	16.5	84.3	84.3	6.0	6.0	15.9	-	22	-	85	-	87	-	88	-					
						3.3	1.2	249	28.1	28.1	7.9</																						

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

Water Quality Monitoring Results on 06 June 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
C1	Rainy	Moderate	20:02	7.7	Surface	1.0	0.3	28	28.0	28.0	7.9	7.9	15.7	15.7	82.4	82.3	5.9	5.9	14.3	17	17	85	85	88	815601	804253	<0.2	1.4	<0.2	1.4					
						1.0	0.3	29	28.0	28.0	7.9	7.9	15.7	15.7	82.2	82.3	5.9	5.8	14.2	18	18	86	86												
					Middle	3.9	0.4	33	27.9	27.9	7.9	7.9	17.8	17.8	79.6	79.6	5.7	5.7	16.2	18	18	88	88												
						3.9	0.4	34	27.9	27.9	7.9	7.9	17.8	17.8	79.5	79.6	5.7	5.7	16.2	18	18	88	88												
					Bottom	6.7	0.5	36	27.6	27.6	7.8	7.8	20.4	20.4	76.8	76.8	5.4	5.4	16.6	18	18	90	90												
						6.7	0.5	36	27.6	27.6	7.8	7.8	20.4	20.4	76.8	76.8	5.4	5.4	16.9	19	19	90	90												
C2	Cloudy	Moderate	18:47	11.6	Surface	1.0	0.5	210	28.2	28.2	7.7	7.7	9.5	9.5	75.9	75.8	5.6	5.6	15.0	9	9	86	86	88	825670	806939	<0.2	1.9	<0.2	1.9					
						1.0	0.6	211	28.1	28.1	7.7	7.7	9.5	9.5	75.6	75.8	5.6	5.4	15.7	8	8	86	86												
					Middle	5.8	0.4	202	28.0	28.0	7.7	7.7	14.6	14.6	70.3	70.3	5.1	5.1	11.0	8	8	88	88												
						5.8	0.4	203	28.0	28.0	7.7	7.7	14.7	14.7	70.2	70.3	5.1	5.1	11.2	8	8	87	87												
					Bottom	10.6	0.1	84	27.9	27.9	7.7	7.7	16.4	16.4	70.4	70.4	5.0	5.0	13.2	7	7	90	90												
						10.6	0.1	87	27.9	27.9	7.7	7.7	16.4	16.4	70.5	70.5	5.0	5.0	13.4	8	8	90	90												
C3	Cloudy	Moderate	20:36	12.0	Surface	1.0	0.5	218	27.9	27.9	7.7	7.7	17.4	17.5	78.9	78.9	5.6	5.6	5.1	9	9	86	86	88	822121	817805	<0.2	2.1	<0.2	2.1					
						1.0	0.5	227	27.8	27.8	7.8	7.8	17.5	17.5	78.8	78.8	5.6	5.3	5.2	10	10	86	86												
					Middle	6.0	0.5	229	27.3	27.3	7.7	7.7	22.7	22.7	71.2	71.1	5.1	5.1	6.4	6	6	88	88												
						6.0	0.6	244	27.2	27.2	7.7	7.7	22.7	22.7	71.0	71.0	5.0	5.0	6.6	7	7	87	87												
					Bottom	11.0	0.4	258	27.1	27.2	7.7	7.7	24.7	24.6	72.7	72.9	5.1	5.1	11.9	8	8	90	90												
						11.0	0.4	279	27.2	27.2	7.7	7.7	24.6	24.6	73.0	73.0	5.1	5.1	12.0	8	8	90	90												
IM1	Rainy	Moderate	19:36	4.4	Surface	1.0	0.4	358	28.0	28.0	8.0	8.0	18.0	18.0	84.6	84.7	6.0	6.0	13.7	18	18	86	86	87	817946	807120	<0.2	1.6	<0.2	1.7					
						1.0	0.4	329	28.0	28.0	8.0	8.0	18.0	18.0	84.7	84.7	6.0	6.0	13.6	19	19	86	86												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					Bottom	3.4	0.3	351	27.8	27.8	7.9	7.9	19.0	19.0	83.3	83.4	5.9	5.9	15.7	16	16	88	88												
						3.4	0.3	323	27.8	27.8	7.9	7.9	19.0	19.0	83.5	83.5	5.9	5.9	16.1	16	16	88	88												
IM2	Rainy	Moderate	19:28	6.2	Surface	1.0	0.5	5	27.8	27.8	8.0	8.0	17.5	17.5	82.1	82.1	5.9	5.9	9.2	7	7	85	85	87	818184	806163	<0.2	1.8	<0.2	1.6					
						1.0	0.5	5	27.8	27.8	8.0	8.0	17.5	17.5	82.1	82.1	5.9	5.8	9.3	7	7	85	85												
					Middle	3.1	0.5	345	27.6	27.6	8.0	8.0	20.2	20.2	79.1	79.1	5.6	5.6	12.0	6	6	86	86												
						3.1	0.5	345	27.6	27.6	8.0	8.0	20.2	20.2	79.1	79.1	5.6	5.6	11.6	7	7	86	86												
					Bottom	5.2	0.4	336	27.6	27.6	7.9	7.9	20.4	20.4	79.2	79.3	5.6	5.6	14.3	8	8	89	89												
						5.2	0.4	351	27.6	27.6	7.9	7.9	20.4	20.4	79.3	79.3	5.6	5.6	14.3	6	6	89	89												
IM3	Rainy	Moderate	19:20	6.4	Surface	1.0	0.5	320	27.7	27.7	8.0	8.0	19.3	19.3	84.5	84.5	6.0	6.0	8.9	10	10	85	85	87	818772	805590	<0.2	2.1	<0.2	1.8					
						1.0	0.5	327	27.7	27.7	8.0	8.0	19.3	19.3	84.5	84.5	6.0	5.8	9.1	9	9	85	85												
					Middle	3.2	0.6	327	27.6	27.6	7.9	7.9	20.7	20.7	78.4	78.4	5.5	5.5	12.2	11.9	11.9	8	8				87	87							
						3.2	0.6	344	27.5	27.5	7.8	7.8	20.8	20.8	78.3	78.3	5.5	5.5	11.9	9	9	87	87												
					Bottom	5.4	0.5	325	26.6	26.6	7.8	7.8	26.0	26.0	65.9	66.2	4.6	4.6	14.5	8	8	89	89												
						5.4	0.5	347	26.6	26.6	7.8	7.8	26.0	26.0	66.4	66.4	4.6	4.6	14.7	9	9	90	90												
IM4	Rainy	Moderate	19:08	7.1	Surface	1.0	0.6	342	27.8	27.8	8.0	8.0	18.3	18.3	82.3	82.3	5.8	5.8	9.0	12	12	84	84	87	819729	804621	<0.2	2.3	<0.2	2.3					
						1.0	0.6	315	27.8	27.8	8.0	8.0	18.3	18.3	82.3	82.3	5.8	5.8	9.3	10	10	85	85												
					Middle	3.6	0.7	340	27.7	27.7	8.0	8.0	20.1	20.1	76.9	77.0	5.4	5.4	10.0	11	11	86	86												
						3.6	0.7	313	27.7	27.7	8.0	8.0	20.0	20.1	77.0	77.0	5.4	5.4	10.2	11	11	86	86												
					Bottom	6.1	0.6	330	26.8	26.8	8.0	8.0	25.1	25.1	65.9	65.9	4.6	4.6	13.3	10	10	89	89												
						6.1	0.6	334	26.8	26.8	8.0	8.0	25.1	25.1	65.9	65.9	4.6	4.6	13.4	10	10	89	89												
IM5	Rainy	Moderate	18:59	6.5	Surface	1.0	0.4	309	28.1	28.1	8.0	8.0	12.6	12.6	83.0	83.2	6.1	6.1	13.5	15	15	85	85	87	820728	804881	<0.2	2.1	<0.2	2.2					
						1.0	0.4	337	28.1	28.1	8.0	8.0	12.6	12.6	83.3	83.3	6.1	6.1	13.3	14	14	85	85												
					Middle	3.3	0.5	336	27.9	27.9	8.0	8.0	16.3	16.3	83.9	83.9	6.0	6.0	11.8	15	15	86	86												
						3.3	0.5	309	27.9	27.9	8.0	8.0	16.3	16.3	83.8	83.8	6.0	6.0	11.8	14	14	87	87												
					Bottom	5.5	0.4	349	27.2	27.2	7.9	7.9	22.1	22.1	75.4	75.5	5.3	5.3	15.0	16	16	89	89												
						5.5	0.4	321	27.2	27.2	7.9	7.9	22.1	22.1	75.6	75.6	5.3	5.3	14.9	17	17	89	89												
IM6	Rainy	Moderate	18:53	6.2	Surface	1.0	0.5	266	28.2	28.2	7.8	7.8	11.0	11.0	80.7	80.8	5.9	5.9	14.1	10	10	84	84	86	821061	805811	<0.2	2.1	<0.2	2.1					
						1.0	0.6	287	28.2	28.2	7.8	7.8	11.0	11.0	80.8	80.8	5.9	5.9	14.2	11	11	84	84												
					Middle	3.1	0.4	276	28.2	28.2	7.7	7.7	11.1	11.1	81.0	81.0	5.9	5.9	15.7	12	12	86	86												
						3.1	0.5	280	28.2	28.2	7.7	7.7	11.1	11.1	81.0	81.0	5.9	5.9	15.7	13	13	86	86												
					Bottom	5.2	0.4	277	28.2	28.2	7.7	7.7	11.1	11.1	81.9	82.0	6.0	6.0	16.9	13	13	89	89												
						5.2	0.5	277	28.2	28.2	7.7	7.7	11.1	11.1	82.1	82.1	6.0	6.0	17.3	14	14	89	89												
IM7	Rainy	Moderate	18:47	7.3	Surface	1.0	0.7	245	28.2	28.2	7.9	7.9	10.5	10.5	80.3	80.3	5.9	5.9	13.4	12	12	85	85	87	821356	806842	<0.2	2.3	<0.2	2.1					
						1.0	0.7	255	28.2	28.2	7.9	7.9	10.5	10.5	80.3	80.3	5.9	5.9	13.4	13	13	85	85												
					Middle	3.7	0.6	255	28.2	28.2	7.8	7.8	10.8	10.8	80.5	80.5	5.9	5.9	15.3	12	12	87	87												
						3.7	0.7	262	28.2	28.2	7.8	7.8	10.8	10.8	80.5	80.5	5.9	5.9	15.3	13	13	87	87												
					Bottom	6.3	0.5	261																											

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

Water Quality Monitoring Results on 09 June 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	14:48	9.1	Surface	1.0	0.7	176	27.6	27.6	7.7	7.7	14.2	14.2	76.4	76.1	5.6	5.7	8	82	87	87	87	87	87	815620	804243	<0.2	1.5	1.5	1.6			
						1.0	0.7	181	27.5	27.0	7.7	7.7	14.2	14.2	75.8	75.5	5.1	5.9	7	83	87	87	87	87	87	87	815620	804243	<0.2	1.5	1.5	1.6		
						4.6	0.7	183	26.9	25.6	7.7	7.7	18.8	18.8	64.1	63.9	4.6	6.8	8	86	87	87	87	87	87	87	815620	804243	<0.2	1.5	1.5	1.6		
					4.6	0.7	183	26.9	25.6	7.7	7.7	18.9	18.9	63.7	63.7	4.6	6.8	7	87	87	87	87	87	87	87	87	87	815620	804243	<0.2	1.7	1.7	1.6	
					8.1	0.7	208	25.6	25.6	7.7	7.7	28.6	28.6	52.4	52.5	3.7	8.9	7	91	87	87	87	87	87	87	87	87	815620	804243	<0.2	1.7	1.7	1.6	
					8.1	0.8	216	25.6	25.6	7.7	7.7	28.6	28.6	52.6	52.6	3.7	8.8	6	92	87	87	87	87	87	87	87	87	87	815620	804243	<0.2	1.8	1.8	1.6
C2	Fine	Moderate	13:51	13.0	Surface	1.0	0.7	181	28.1	28.1	8.2	8.2	10.8	10.5	75.7	75.6	5.6	4.3	5	84	86	86	86	86	86	825702	806943	<0.2	2.1	2.1	2.1			
						1.0	0.8	186	28.1	27.5	8.1	8.1	10.3	10.3	75.5	75.5	5.2	4.3	5	83	86	86	86	86	86	86	825702	806943	<0.2	2.1	2.1	2.1		
						6.5	0.8	183	27.5	26.6	8.1	8.1	18.4	18.3	65.3	65.3	4.7	5.4	5	86	86	86	86	86	86	86	825702	806943	<0.2	2.1	2.1	2.1		
					6.5	0.8	188	27.5	26.6	8.1	8.1	18.3	18.3	65.2	65.2	4.7	5.5	5	86	86	86	86	86	86	86	86	825702	806943	<0.2	2.1	2.1	2.1		
					12.0	0.7	163	26.6	26.6	8.1	8.1	24.3	24.3	63.6	63.7	4.5	6.8	3	89	86	86	86	86	86	86	86	86	825702	806943	<0.2	2.0	2.0	2.1	
					12.0	0.7	163	26.6	26.6	8.1	8.1	24.3	24.3	63.7	63.7	4.5	6.9	4	88	86	86	86	86	86	86	86	86	86	825702	806943	<0.2	2.1	2.1	2.1
C3	Fine	Moderate	15:34	12.6	Surface	1.0	0.5	259	27.8	27.8	8.1	8.1	13.6	13.6	76.7	76.7	5.6	3.5	4	84	86	86	86	86	86	822116	817789	<0.2	2.0	2.0	2.0			
						1.0	0.5	282	27.8	26.8	8.1	8.1	13.6	13.6	76.7	76.7	5.3	3.5	5	84	86	86	86	86	86	86	822116	817789	<0.2	2.0	2.0	2.0		
						6.3	0.2	247	26.8	26.8	8.1	8.1	21.3	21.3	68.4	68.4	4.9	4.1	5	87	86	86	86	86	86	86	822116	817789	<0.2	2.1	2.1	2.0		
					6.3	0.2	252	26.9	25.7	8.1	8.1	21.3	21.3	68.4	68.4	4.9	4.1	5	87	86	86	86	86	86	86	822116	817789	<0.2	2.0	2.0	2.0			
					11.6	0.3	74	25.7	25.7	8.1	8.1	28.6	28.6	59.9	59.9	4.2	7.5	5	88	86	86	86	86	86	86	86	822116	817789	<0.2	2.0	2.0	2.0		
					11.6	0.4	78	25.7	25.7	8.1	8.1	28.6	28.6	59.9	59.9	4.2	7.6	6	88	86	86	86	86	86	86	86	86	822116	817789	<0.2	2.1	2.1	2.0	
IM1	Cloudy	Moderate	14:27	5.4	Surface	1.0	0.1	7	27.1	27.1	7.7	7.7	19.5	19.6	65.3	65.3	4.7	8.6	7	82	83	83	83	83	83	817969	807151	<0.2	1.8	1.7	1.8			
						1.0	0.1	7	27.0	27.1	7.7	7.7	19.7	19.7	64.9	64.9	4.6	9.1	6	82	83	83	83	83	83	83	817969	807151	<0.2	1.7	1.7	1.8		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.4	0.1	259	25.8	25.8	7.7	7.7	27.7	27.7	58.2	58.2	4.0	10.0	5	83	83	83	83	83	83	83	83	83	817969	807151	<0.2	1.7	1.7	1.8	
					4.4	0.1	263	25.8	25.8	7.7	7.7	27.7	27.7	58.6	58.6	4.1	10.1	5	84	83	83	83	83	83	83	83	83	83	817969	807151	<0.2	1.8	1.8	1.8
					4.4	0.1	263	25.8	25.8	7.7	7.7	27.7	27.7	58.6	58.6	4.1	10.1	5	84	83	83	83	83	83	83	83	83	83	817969	807151	<0.2	1.8	1.8	1.8
IM2	Cloudy	Moderate	14:20	7.3	Surface	1.0	0.2	180	26.6	26.5	7.7	7.7	18.8	18.4	66.7	66.3	4.8	5.4	4	82	87	87	87	87	87	818149	806144	<0.2	1.8	1.8	1.9			
						1.0	0.2	191	26.4	26.1	7.7	7.7	18.0	18.0	65.9	65.9	4.8	5.3	4	83	87	87	87	87	87	87	818149	806144	<0.2	1.8	1.8	1.9		
						3.7	0.4	148	26.1	26.1	7.7	7.7	26.0	26.0	63.8	63.9	4.6	6.8	5	87	87	87	87	87	87	87	818149	806144	<0.2	2.0	2.0	1.9		
					3.7	0.4	155	26.1	25.7	7.7	7.7	26.1	26.0	63.9	63.9	4.6	6.7	5	87	87	87	87	87	87	87	87	818149	806144	<0.2	1.9	1.9	1.9		
					6.3	0.1	98	25.7	25.7	7.7	7.7	28.5	28.5	53.2	53.2	3.7	8.6	7	90	87	87	87	87	87	87	87	818149	806144	<0.2	1.8	1.8	1.9		
					6.3	0.1	102	25.7	25.7	7.7	7.7	28.5	28.5	54.1	54.1	3.8	8.5	6	90	87	87	87	87	87	87	87	87	818149	806144	<0.2	1.8	1.8	1.9	
IM3	Cloudy	Moderate	14:15	7.7	Surface	1.0	0.1	186	28.1	28.1	7.7	7.7	11.9	11.9	80.8	80.2	5.9	5.0	5	79	86	86	86	86	86	818798	805612	<0.2	1.8	1.8	1.8			
						1.0	0.2	200	28.1	26.1	7.7	7.7	11.9	11.9	79.6	79.6	5.8	5.1	4	79	86	86	86	86	86	86	818798	805612	<0.2	1.8	1.8	1.8		
						3.9	0.4	155	26.1	26.1	7.7	7.7	23.6	23.7	56.6	56.6	4.0	6.2	5	87	86	86	86	86	86	86	818798	805612	<0.2	1.8	1.8	1.8		
					3.9	0.5	159	26.0	25.7	7.7	7.7	23.7	23.7	56.6	56.6	4.0	6.3	4	87	86	86	86	86	86	86	86	818798	805612	<0.2	1.8	1.8	1.8		
					6.7	0.3	128	25.7	25.7	7.7	7.7	28.4	28.4	51.6	51.7	3.6	7.5	5	90	86	86	86	86	86	86	86	818798	805612	<0.2	1.7	1.7	1.8		
					6.7	0.3	140	25.7	25.7	7.7	7.7	28.4	28.4	51.8	51.8	3.6	7.7	5	91	86	86	86	86	86	86	86	86	818798	805612	<0.2	1.9	1.9	1.8	
IM4	Cloudy	Moderate	14:07	8.8	Surface	1.0	1.0	181	28.6	28.6	7.8	7.8	6.5	6.5	86.4	86.1	6.5	5.6	4	79	86	86	86	86	86	819717	804607	<0.2	1.8	1.8	1.8			
						1.0	1.1	190	28.6	26.7	7.8	7.8	6.5	6.5	85.7	86.1	6.4	5.5	4	82	86	86	86	86	86	86	819717	804607	<0.2	1.8	1.8	1.8		
						4.4	0.8	193	26.7	26.8	7.7	7.7	22.9	21.9	62.0	62.3	4.4	7.1	4	87	86	86	86	86	86	86	819717	804607	<0.2	1.8	1.8	1.8		
					4.4	0.9	208	26.8	26.2	7.7	7.7	20.9	21.9	62.5	62.3	4.5	7.2	5	87	86	86	86	86	86	86	819717	804607	<0.2	1.8	1.8	1.8			
					7.8	0.5	171	26.2	26.2	7.7	7.7	24.7	24.7	57.7	57.8	4.1	8.7	4	90	86	86	86	86	86	86	86	819717	804607	<0.2	1.8	1.8	1.8		
					7.8	0.5	178	26.2	26.2	7.7	7.7	24.7	24.7	57.9	57.8	4.1	8.8	4	90	86	86	86	86	86	86	86	86	819717	804607	<0.2	1.9	1.9	1.8	
IM5	Cloudy	Moderate	14:01	8.4	Surface	1.0	0.8	200	28.7	28.7	7.7	7.7	6.6	6.6	87.0	86.9	6.5	4.6	4	82	86	86	86	86	86	820716	8048							

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

Water Quality Monitoring Results on 09 June 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
C1	Cloudy	Moderate	09:00	9.3	Surface	1.0	0.3	26	27.7	27.7	7.7	7.7	10.9	10.9	77.5	77.5	5.7		5.2		8		83				<0.2	1.9				
						1.0	0.3	27	27.7	27.7	7.7	7.7	10.9	10.9	77.4	77.4	5.7		5.2		7		83				<0.2	2.0				
						4.7	0.7	41	25.7	25.7	7.7	7.7	23.5	23.6	57.7	57.7	4.1	4.9	6.1	6.9	7	7	87				<0.2	1.8				
					4.7	0.7	43	25.7	25.7	7.7	7.7	23.6	23.6	56.4	56.4	4.0		6.3		7		87				<0.2	1.9					
					8.3	0.4	29	25.5	25.5	7.7	7.7	29.5	29.4	51.2	51.2	3.6	3.6	9.3		6		91				<0.2	1.9					
					8.3	0.4	30	25.5	25.5	7.7	7.7	29.4	29.4	51.4	51.4	3.6	3.6	9.1		6		91				<0.2	1.9					
C2	Cloudy	Moderate	09:21	13.1	Surface	1.0	0.2	313	28.0	28.0	8.1	8.1	5.4	5.5	74.5	74.5	5.7		5.9		5		83				<0.2	2.1				
						1.0	0.2	341	28.0	28.0	8.1	8.1	5.7	5.7	74.4	74.4	5.7		5.9		5		83				<0.2	2.1				
						6.6	0.5	341	27.6	27.6	8.1	8.1	15.7	15.6	71.6	71.6	5.2	5.5	3.8	6.4	5	5	85				<0.2	2.1				
					6.6	0.5	357	27.6	27.6	8.1	8.1	15.6	15.6	71.5	71.5	5.2		3.9		5		85				<0.2	2.2					
					12.1	0.6	335	27.2	27.2	8.1	8.1	19.8	19.8	67.8	67.8	4.8	4.8	9.4		5		88				<0.2	2.2					
					12.1	0.6	308	27.2	27.2	8.1	8.1	19.8	19.8	68.0	68.0	4.8	4.8	9.4		6		87				<0.2	2.3					
C3	Cloudy	Moderate	07:33	13.0	Surface	1.0	0.4	257	27.8	27.8	8.1	8.1	10.8	10.8	77.7	77.7	5.8		3.9		4		83				<0.2	2.2				
						1.0	0.4	261	27.8	27.8	8.1	8.1	10.7	10.7	77.7	77.7	5.8		4.0		5		82				<0.2	2.3				
						6.5	0.4	235	27.3	27.3	8.1	8.1	18.0	17.9	69.8	69.8	5.0	5.4	4.8	5.4	4	5	85				<0.2	2.2				
					6.5	0.4	248	27.3	27.3	8.1	8.1	17.9	17.9	69.7	69.7	5.0		4.9		5		85				<0.2	2.3					
					12.0	0.3	249	26.2	26.2	8.1	8.1	26.9	26.9	67.5	67.5	4.7	4.7	7.6		5		88				<0.2	2.2					
					12.0	0.3	259	26.2	26.2	8.1	8.1	26.9	26.9	67.7	67.7	4.7	4.7	7.4		5		88				<0.2	2.2					
IM1	Cloudy	Calm	09:17	5.6	Surface	1.0	0.3	12	27.7	27.7	7.7	7.7	9.7	9.7	82.0	82.0	6.1		5.6		4		83				<0.2	1.9				
						1.0	0.4	12	27.7	27.7	7.7	7.7	9.7	9.7	82.0	82.0	6.1		5.7		5		83				<0.2	1.9				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.6	0.2	278	27.5	27.5	7.7	7.7	12.5	12.6	81.2	81.3	6.0	6.0	6.4		6		87				<0.2	2.0					
					4.6	0.2	282	27.5	27.5	7.7	7.7	12.6	12.6	81.3	81.3	6.0	6.0	6.4		6		87				<0.2	2.0					
					1.0	0.3	19	27.7	27.7	7.7	7.7	9.2	9.2	78.9	78.9	5.9	5.9	5.4		6		82				<0.2	2.2					
IM2	Cloudy	Moderate	09:24	7.9	Surface	1.0	0.3	19	27.7	27.7	7.7	7.7	9.3	9.2	78.9	78.9	5.9		5.4		6		82				<0.2	2.2				
						1.0	0.3	19	27.7	27.7	7.7	7.7	9.3	9.3	78.4	78.4	5.9		5.4		5		82				<0.2	2.2				
						4.0	0.3	352	27.4	27.4	7.7	7.7	14.0	14.0	73.6	73.6	5.4	5.7	8.3	7.7	5	5	87				<0.2	2.2				
					4.0	0.4	353	27.4	27.4	7.7	7.7	14.0	14.0	73.3	73.3	5.4		8.8		6		87				<0.2	2.3					
					6.9	0.2	298	26.4	26.4	7.7	7.7	23.9	23.9	58.6	58.6	4.2	4.2	9.1		5		91				<0.2	2.2					
					6.9	0.3	312	26.3	26.3	7.7	7.7	23.8	23.8	58.6	58.6	4.1	4.2	9.3		5		91				<0.2	2.3					
IM3	Cloudy	Moderate	09:31	8.0	Surface	1.0	0.3	344	27.5	27.5	7.7	7.7	10.1	10.0	77.8	77.7	5.8		5.7		5		83				<0.2	2.2				
						1.0	0.3	316	27.5	27.5	7.7	7.7	10.0	10.0	77.6	77.6	5.8		5.8		6		83				<0.2	2.2				
						4.0	0.4	352	27.3	27.3	7.7	7.7	15.8	15.8	70.8	70.8	5.1	5.5	6.2	6.4	6	6	87				<0.2	2.1				
					4.0	0.5	324	27.3	27.3	7.7	7.7	15.8	15.8	70.8	70.8	5.1		6.3		5		87				<0.2	2.1					
					7.0	0.4	327	26.7	26.7	7.7	7.7	21.1	21.1	65.2	65.2	4.7	4.7	7.2		6		90				<0.2	2.0					
					7.0	0.4	353	26.7	26.7	7.7	7.7	21.0	21.0	66.1	66.0	4.7	4.7	7.3		6		90				<0.2	2.1					
IM4	Cloudy	Moderate	09:40	9.0	Surface	1.0	0.6	3	27.8	27.8	7.7	7.7	8.7	8.7	80.0	79.9	6.0		5.1		4		82				<0.2	2.2				
						1.0	0.6	3	27.8	27.8	7.7	7.7	8.7	8.7	79.7	79.7	6.0		5.1		4		82				<0.2	2.0				
						4.5	0.8	339	26.9	26.9	7.7	7.7	18.9	18.9	64.9	64.8	4.7	5.3	8.7	7.9	4	5	86				<0.2	2.1				
					4.5	0.8	312	26.8	26.8	7.7	7.7	18.9	18.9	64.6	64.8	4.6	4.7	8.7		4		86				<0.2	2.0					
					8.0	0.6	347	26.7	26.7	7.7	7.7	21.1	21.1	64.2	64.3	4.6	4.6	9.7		6		90				<0.2	2.0					
					8.0	0.6	319	26.7	26.7	7.7	7.7	21.1	21.1	64.4	64.4	4.6	4.6	9.8		5		91				<0.2	2.1					
IM5	Cloudy	Moderate	09:45	8.4	Surface	1.0	0.8	358	27.6	27.6	7.7	7.7	10.4	10.5	77.4	77.2	5.8		6.3		4		83				<0.2	2.1				
						1.0	0.9	329	27.5	27.5	7.7	7.7	10.5	10.5	77.0	77.0	5.7		6.7		5		83				<0.2	2.0				
						4.2	0.7	3	27.2	27.2	7.7	7.7	14.4	14.4	75.3	75.2	5.5	5.6	8.8	8.1	5	5	86				<0.2	2.0				
					4.2	0.8	3	27.2	27.2	7.7	7.7	14.3	14.4	75.1	75.2	5.5		8.7		6		86				<0.2	2.2					
					7.4	0.4	25	27.1	27.1	7.7	7.7	17.5	17.5	71.2	71.2	5.1	5.1	9.1		6		90				<0.2	2.1					
					7.4	0.5	26	27.1	27.1	7.7	7.7	17.5	17.5	71.2	71.2	5.1	5.1	9.0		6		90				<0.2	2.1					
IM6	Cloudy	Moderate	09:52	8.2	Surface	1.0	0.1	160	27.7	27.7	7.6	7.6	9.3	9.3	76.7	76.7	5.7		6.4		5		82				<0.2	2.0				
						1.0	0.1	166	27.7	27.7	7.6	7.6	9.3	9.3	76.7	76.7	5.7		6.6		5		82				<0.2	2.1				
						4.1	0.4	86	27.7	27.7	7.7	7.7	10.2	10.2	75.9	75.9	5.6	5.7	7.1	7.3	5	5	86				<0.2	2.0				
					4.1	0.4	91	27.7	27.7	7.7	7.7	10.2	10.2	75.8	75.9	5.6		7.1		6		87				<0.2	2.1					
					7.2	0.4	67	26.6	26.6	7.7	7.7	21.9	22.0	65.4	65.7	4.6	4.7	8.3		6		90				<0.2	2.0					
					7.2	0.4	70																									

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

Water Quality Monitoring Results on **09 June 20** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	08:49	8.1	Surface	1.0	0.6	252	27.9	27.9	8.1	8.1	9.9	9.9	77.9	77.9	5.8	5.8	4.9	6	83	85	83	85	85	822088	808824	<0.2	2.2	<0.2	2.5	
						1.0	0.6	267	27.9	8.1	8.1	9.9	9.9	77.9	77.9	5.8	5.8	4.9	5	82	84	82	84									
						4.1	0.5	251	27.9	27.9	8.2	8.2	10.2	10.2	77.4	77.4	5.7	5.7	5.8	5	85	84	85	84								
					4.1	0.5	268	27.9	27.9	8.2	8.2	10.2	10.2	77.4	77.4	5.7	5.7	5.8	5	84	84	84	84									
					7.1	0.5	251	27.8	27.8	8.1	8.1	11.3	11.3	79.8	79.8	5.9	5.9	7.7	5	87	87	87	87									
					7.1	0.5	262	27.8	27.8	8.1	8.1	11.3	11.3	80.1	80.1	5.9	5.9	7.5	4	88	88	88	88									
IM10	Cloudy	Moderate	08:42	8.7	Surface	1.0	0.5	298	27.9	27.9	8.2	8.2	10.0	10.0	76.5	76.5	5.7	5.7	4.3	5	82	85	82	85	85	822363	809782	<0.2	2.1	<0.2	2.2	
						1.0	0.5	320	27.9	27.9	8.2	8.2	10.0	10.0	76.4	76.4	5.7	5.7	4.3	4	83	83	83	83								
						4.4	0.7	298	27.8	27.8	8.2	8.2	11.3	11.3	73.6	73.6	5.4	5.4	6.0	6	85	85	85	85								
					4.4	0.7	320	27.8	27.8	8.2	8.2	11.3	11.3	73.7	73.7	5.4	5.4	6.1	6	85	85	85	85									
					7.7	0.4	286	27.6	27.6	8.1	8.1	15.4	15.4	72.7	72.7	5.3	5.3	8.8	5	87	87	87	87									
					7.7	0.4	306	27.6	27.6	8.1	8.1	15.4	15.4	72.9	72.9	5.3	5.3	8.9	6	88	88	88	88									
IM11	Cloudy	Moderate	08:32	8.6	Surface	1.0	0.5	295	27.9	27.9	8.2	8.2	8.9	8.9	75.6	75.6	5.7	5.7	4.3	6	82	85	82	85	85	822047	811463	<0.2	2.2	<0.2	2.1	
						1.0	0.5	313	27.9	27.9	8.2	8.2	13.0	13.0	72.4	72.4	5.6	5.6	4.3	6	83	85	83	85								
						4.3	0.5	294	27.7	27.7	8.1	8.1	13.0	13.0	72.4	72.4	5.3	5.3	5.1	6	85	85	85	85								
					4.3	0.6	303	27.7	27.7	8.1	8.1	13.0	13.0	72.4	72.4	5.3	5.3	5.1	6	85	85	85	85									
					7.6	0.6	277	27.2	27.2	8.1	8.1	19.8	19.8	68.7	68.7	5.0	5.0	7.9	7	87	87	87	87									
					7.6	0.6	283	27.2	27.2	8.1	8.1	19.8	19.8	69.8	69.8	5.0	5.0	8.0	6	87	87	87	87									
IM12	Cloudy	Moderate	08:25	8.8	Surface	1.0	0.4	307	27.9	27.9	8.2	8.2	9.4	9.4	76.4	76.4	5.7	5.7	4.2	4	82	85	82	85	85	821471	812060	<0.2	2.3	<0.2	2.1	
						1.0	0.4	323	27.9	27.9	8.2	8.2	9.4	9.4	76.4	76.4	5.7	5.7	4.2	6	82	85	82	85								
						4.4	0.6	306	27.8	27.8	8.2	8.2	10.9	10.9	75.3	75.3	5.6	5.6	4.4	5	85	85	85	85								
					4.4	0.6	317	27.8	27.8	8.2	8.2	10.9	10.9	75.2	75.2	5.6	5.6	4.4	6	85	85	85	85									
					7.8	0.7	297	26.9	26.9	8.1	8.1	21.5	21.4	70.4	70.4	5.0	5.0	5.4	6	87	87	87	87									
					7.8	0.8	297	26.9	26.9	8.1	8.1	21.4	21.4	70.9	70.9	5.0	5.0	5.4	5	87	87	87	87									
SR1A	Cloudy	Moderate	08:06	5.3	Surface	1.0	-	-	27.9	27.9	8.1	8.1	9.0	9.0	79.3	79.3	5.9	5.9	4.1	5	-	-	-	-	85	819982	812656	-	-	-	-	
						1.0	-	-	27.9	27.9	8.1	8.1	9.0	9.0	79.3	79.3	5.9	5.9	4.1	6	-	-	-	-								
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
					2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-				
					4.3	-	-	27.9	27.9	8.1	8.1	10.5	10.5	77.0	77.0	5.7	5.7	4.2	6	-	-	-	-									
					4.3	-	-	27.9	27.9	8.1	8.1	10.4	10.5	77.2	77.2	5.7	5.7	4.2	6	-	-	-	-									
SR2	Cloudy	Moderate	07:54	4.9	Surface	1.0	0.2	200	27.9	27.9	8.1	8.1	9.6	9.6	77.3	77.3	5.8	5.8	4.5	6	83	85	83	85	85	821477	814144	<0.2	2.0	<0.2	2.2	
						1.0	0.2	203	27.9	27.9	8.1	8.1	9.6	9.6	77.4	77.4	5.8	5.8	4.5	6	83	85	83	85								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					3.9	0.1	276	27.7	27.7	8.1	8.1	12.5	12.5	81.0	81.0	5.9	5.9	6.1	5	87	87	87	87									
					3.9	0.1	285	27.7	27.7	8.1	8.1	12.5	12.5	81.0	81.0	5.9	5.9	6.2	5	86	86	86	86									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR3	Cloudy	Moderate	09:02	10.0	Surface	1.0	0.2	280	28.0	28.0	8.2	8.2	6.4	6.4	77.4	77.4	5.9	5.9	4.5	5	-	-	-	-	85	822155	807563	-	-	-	-	
						1.0	0.2	285	28.0	28.0	8.2	8.2	6.4	6.4	77.4	77.4	5.9	5.9	4.6	6	-	-	-	-								
						5.0	0.2	271	27.9	27.9	8.1	8.1	9.2	9.2	74.6	74.6	5.6	5.6	5.3	4	-	-	-	-								
					5.0	0.2	294	27.9	27.9	8.1	8.1	9.2	9.2	74.5	74.5	5.6	5.6	5.4	6	-	-	-	-									
					9.0	0.1	299	27.5	27.5	8.0	8.0	17.4	17.4	68.9	68.9	4.9	4.9	7.0	5	-	-	-	-									
					9.0	0.1	316	27.5	27.5	8.0	8.0	17.3	17.4	68.9	68.9	4.9	4.9	6.9	5	-	-	-	-									
SR4A	Cloudy	Moderate	08:38	9.9	Surface	1.0	0.1	211	27.4	27.4	7.7	7.7	13.6	13.7	77.6	77.6	5.7	5.7	8.6	6	-	-	-	-	85	817175	807786	-	-	-	-	
						1.0	0.1	218	27.4	27.4	7.7	7.7	13.7	13.7	77.3	77.3	5.7	5.7	8.7	6	-	-	-	-								
						5.0	0.2	245	27.3	27.3	7.7	7.7	14.4	14.4	74.5	74.5	5.5	5.5	10.4	6	-	-	-	-								
					5.0	0.2	246	27.2	27.2	7.7	7.7	14.4	14.4	74.3	74.3	5.5	5.5	10.5	8	-	-	-	-									
					8.9	0.1	239	26.9	26.9	7.6	7.6	24.2	24.2	62.2	62.2	4.3	4.4	13.8	9	-	-	-	-									
					8.9	0.1	240	27.0	27.0	7.6	7.6	24.1	24.2	63.3	63.3	4.4	4.4	13.8	8	-	-	-	-									
SR5A	Cloudy	Calm	08:22	3.5	Surface	1.0	0.3	280	27.5	27.5	7.6	7.6	13.7	13.7	79.4	79.4	5.8	5.8	8.6	5	-	-	-	-	85	816616	810679	-	-	-	-	
						1.0	0.3	286	27.5	27.5	7.6	7.6	13.7	13.7	79.4	79.4	5.8	5.8	8.7	6	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					2.5	0.3	286	27.6	27.6	7.6	7.6	13.8	13.8	80.3	80.3	5.9	5.9	10.1	7	-	-	-	-									
					2.5	0.3	299	27.6	27.6	7.6	7.6	13.8	13.8	80.5	80.5	5.9	5.9	10.0	7	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR6A	Cloudy	Calm	07:51	4.5	Surface	1.0	0.1	206	27.6	27.6	7.6	7.6	11.8	11.8	78.4	78.4	5.8	5.8	5.3	6	-	-	-	-	85	817966	814754	-	-	-	-	
						1.0	0.1	219	27.6	27.6	7.6	7.6	11.9	11.8	78.3	78.3	5.8	5.8	5.3	6	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					3.5	0.0	244	27.6	27.6	7.6	7.6	12.1	12.1	77.5	77.5	5.7	5.7	7.1	5	-	-	-	-									
					3.5	0.0	257	27.6	27.6	7.6	7.6	12.1	12.1	77.2	77.2	5.7	5.7	7.1	6	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR7	Cloudy	Moderate	07:03	15.8	Surface	1.0	0.0	8	27.9	27.9	8.2	8.2	10.1	10.1	77.6	77.6																

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

Water Quality Monitoring Results on 21 June 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	16:19	9.4	Surface	1.0	0.7	154	29.6	29.6	7.8	7.8	4.1	4.1	77.0	76.9	5.7		13.5		9		84		815611	804240	<0.2	2.4	2.5			
						1.0	0.7	154	29.5	29.5	7.8	7.8	4.1	4.1	76.7	76.7	5.7		13.4		9		84				<0.2	2.5	2.5			
						4.7	0.6	198	26.8	26.8	7.9	7.9	18.3	18.3	53.7	53.6	3.9	4.8	5.7	10.0	8	88		9				<0.2	2.5	2.5		
					4.7	0.6	211	26.8	26.8	7.9	7.9	18.3	18.3	53.5	53.6	3.9		5.7		9		89						<0.2	2.5	2.5		
					8.4	0.5	217	25.1	25.1	7.9	7.9	29.8	29.8	42.7	42.8	3.0	3.0	10.8		7		92						<0.2	2.4	2.5		
					8.4	0.5	224	25.1	25.1	7.9	7.9	29.8	29.8	42.8	42.8	3.0	3.0	10.7		6		93						<0.2	2.5	2.5		
C2	Fine	Moderate	15:21	12.5	Surface	1.0	0.8	181	28.1	28.1	8.1	8.1	5.4	5.4	59.9	59.7	4.5		12.0		10		83		825702	806955	<0.2	2.5	2.5			
						1.0	0.8	192	28.0	28.0	8.1	8.1	5.4	5.4	59.5	59.5	4.5	4.3	11.7		10		84				<0.2	2.6	2.6			
						6.3	0.6	178	26.3	26.4	8.2	8.1	22.5	22.4	56.0	56.0	4.0		4.2	9.4	10	86		9				<0.2	2.4	2.5		
					6.3	0.7	187	26.4	26.4	8.1	8.1	22.4	22.4	56.0	56.0	4.0		4.2		9		86						<0.2	2.5	2.5		
					11.5	0.4	158	25.6	25.6	8.2	8.2	27.3	27.3	53.0	53.1	3.7	3.7	12.3		9		89						<0.2	2.4	2.4		
					11.5	0.4	163	25.6	25.6	8.2	8.2	27.3	27.3	53.1	53.1	3.7	3.7	12.0		10		89						<0.2	2.4	2.4		
C3	Fine	Moderate	17:16	12.3	Surface	1.0	0.3	280	28.8	28.8	8.1	8.1	10.1	10.1	73.3	73.2	5.4		5.0		5		84		822096	817820	<0.2	2.4	2.5			
						1.0	0.3	294	28.8	28.8	8.1	8.1	10.1	10.1	73.0	73.0	5.3	4.9	5.0		4		85				<0.2	2.4	2.4			
						6.2	0.3	307	27.0	27.0	8.1	8.1	17.9	17.9	60.9	60.9	4.4	4.4	4.5	5.1	5	87		6				<0.2	2.4	2.5		
					6.2	0.4	335	27.0	27.0	8.1	8.1	17.9	17.9	60.9	60.9	4.4	4.4	4.5		6		88						<0.2	2.5	2.5		
					11.3	0.3	133	25.0	25.0	8.2	8.2	30.5	30.5	54.7	54.8	3.8	3.8	6.0		5		89						<0.2	2.5	2.5		
					11.3	0.3	141	25.0	25.0	8.2	8.2	30.5	30.5	54.9	54.9	3.8	3.8	5.9		6		90						<0.2	2.6	2.6		
IM1	Sunny	Calm	15:58	5.4	Surface	1.0	0.0	12	28.7	28.7	8.1	8.1	10.6	10.6	85.5	85.4	6.2		6.7		7		89		817927	807148	<0.2	2.4	2.4			
						1.0	0.0	12	28.7	28.7	8.1	8.1	10.6	10.6	85.3	85.3	6.2	6.2	6.7		7		89				<0.2	2.4	2.4			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.4	0.1	209	25.5	25.5	7.9	7.9	28.2	28.2	46.8	46.9	3.3	3.3	8.3		7		92						<0.2	2.3	2.4		
					4.4	0.1	214	25.5	25.5	7.9	7.9	28.2	28.2	47.0	47.0	3.3	3.3	8.3		7		93						<0.2	2.4	2.4		
					1.0	0.0	181	26.9	26.9	7.9	7.9	19.4	19.5	53.5	53.0	3.8	3.8	13.1		6		87						<0.2	2.5	2.5		
IM2	Sunny	Moderate	15:52	7.4	Surface	1.0	0.0	196	26.9	26.9	7.9	7.9	19.6	19.6	53.5	53.0	3.8		13.1		7		87		818151	806155	<0.2	2.4	2.4			
						3.7	0.2	172	25.4	25.4	7.9	7.9	28.2	28.3	44.3	44.3	3.1	3.5	14.5	14.6	6	88					<0.2	2.3	2.3			
						3.7	0.2	183	25.4	25.4	7.9	7.9	28.4	28.3	44.2	44.2	3.1		15.9		6		88						<0.2	2.5	2.5	
					6.4	0.1	149	25.3	25.3	7.9	7.9	29.2	29.2	45.7	45.8	3.2	3.2	15.7		6		91						<0.2	2.3	2.3		
					6.4	0.2	158	25.3	25.3	7.9	7.9	29.2	29.2	45.9	45.9	3.2	3.2	15.5		6		91						<0.2	2.4	2.4		
					1.0	0.2	176	27.5	27.5	7.9	7.9	15.3	15.3	63.4	63.4	4.6	4.6	6.2		8		88						<0.2	2.5	2.5		
IM3	Sunny	Moderate	15:46	7.6	Surface	1.0	0.2	176	27.5	27.5	7.9	7.9	15.3	15.3	63.4	63.4	4.6		6.2		8		88		818795	805572	<0.2	2.5	2.5			
						3.8	0.3	162	25.4	25.4	7.9	7.9	28.5	28.5	44.4	44.5	3.1	3.9	8.3	9.0	8	88					<0.2	2.4	2.4			
						3.8	0.3	176	25.4	25.4	7.9	7.9	28.6	28.5	44.5	44.5	3.1		8.5		9		92						<0.2	2.5	2.5	
					6.6	0.2	101	25.4	25.4	7.8	7.8	29.0	28.9	45.4	45.5	3.2	3.2	12.4		8		92						<0.2	2.4	2.4		
					6.6	0.2	110	25.4	25.4	7.8	7.8	28.9	28.9	45.6	45.5	3.2	3.2	12.2		9		94						<0.2	2.6	2.6		
					1.0	1.1	201	28.7	28.7	7.8	7.7	7.0	7.0	66.0	66.3	4.9	4.9	11.3		8		84							<0.2	2.4	2.4	
IM4	Sunny	Moderate	15:38	8.6	Surface	1.0	1.2	203	28.8	28.8	7.7	7.7	7.0	7.0	66.6	66.3	4.9		11.5		8		86		819720	804585	<0.2	2.6	2.6			
						4.3	0.7	183	25.8	25.8	7.9	7.9	25.3	25.3	45.3	45.3	3.2	4.1	11.6	12.3	7	89					<0.2	2.5	2.5			
						4.3	0.7	201	25.8	25.8	7.9	7.9	25.4	25.3	45.3	45.3	3.2		11.6		7		90						<0.2	2.4	2.4	
					7.6	0.5	166	25.4	25.4	7.9	7.9	27.9	27.9	45.2	45.2	3.2	3.2	13.8		6		93						<0.2	2.4	2.4		
					7.6	0.5	167	25.4	25.4	7.9	7.9	27.9	27.9	45.4	45.4	3.2	3.2	13.8		6		94						<0.2	2.5	2.5		
					1.0	0.9	217	27.6	27.6	7.8	7.8	11.6	11.6	58.6	58.5	4.3	4.3	6.4		10		87							<0.2	2.5	2.5	
IM5	Sunny	Moderate	15:31	8.1	Surface	1.0	0.9	223	27.6	27.6	7.8	7.8	11.6	11.6	58.4	58.5	4.3		6.4		10		86		820738	804873	<0.2	2.5	2.5			
						4.1	0.6	205	26.2	26.2	7.8	7.8	23.3	23.3	49.8	49.9	3.5	3.9	8.0	8.3	12	89					<0.2	2.5	2.5			
						4.1	0.6	215	26.2	26.2	7.8	7.8	23.3	23.3	50.0	49.9	3.5		8.1		12		90						<0.2	2.5	2.5	
					7.1	0.5	210	26.2	26.2	7.8	7.8	23.6	23.6	51.3	51.4	3.6	3.6	10.4		13		92						<0.2	2.5	2.5		
					7.1	0.6	210	26.2	26.2	7.8	7.8	23.6	23.6	51.5	51.4	3.6	3.6	10.5		12		94						<0.2	2.4	2.4		
					1.0	0.5	227	27.2	27.2	7.8	7.8	10.9	11.0	59.1	59.0	4.4	4.4	7.9		9		83							<0.2	2.6	2.6	
IM6	Sunny	Moderate	15:25	8.0	Surface	1.0	0.5	246	27.2	27.2	7.8	7.8	11.0	11.0	58.8	59.0	4.4		8.0		10		83		821042	805835	<0.2	2.5	2.5			
						4.0	0.6	247	26.6	26.6	7.8	7.8	18.1	18.1	54.2	54.2	3.9	4.2	9.0	9.5	10	89					<0.2	2.4	2.4			
						4.0	0.6	259	26.5	26.5	7.8	7.8	18.1	18.1	54.2	54.2	3.9		9.2		9		91						<0.2			

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

Water Quality Monitoring Results on 21 June 20 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	Fine	Moderate	15:56	7.9	Surface	1.0	0.4	147	28.8	28.8	8.0	8.0	6.0	6.1	68.0	68.0	5.1	5.1	8.3	7	85	85	87	87	822084	808794	<0.2	2.5	2.6	2.6			
						1.0	0.5	148	28.8	28.8	8.0	8.0	6.1	6.1	67.9	67.9	5.1	5.1	8.3	6	84	84	87	87	822084	808794	<0.2	2.4	2.6	2.6			
					Middle	4.0	0.4	137	27.8	27.9	8.0	8.0	14.8	14.2	63.2	63.2	4.6	4.6	5.0	4.9	5.0	7	86	86	87	87	822084	808794	<0.2	2.6	2.6	2.6	
						4.0	0.4	144	27.9	27.9	8.0	8.0	13.6	14.2	63.2	63.2	4.6	4.6	5.1	4.9	5.0	6	87	87	87	87	822084	808794	<0.2	2.6	2.6	2.6	
					Bottom	6.9	0.4	93	26.6	26.6	8.1	8.0	20.9	20.9	54.4	54.4	3.9	3.9	9.7	3.9	9.7	7	89	89	89	89	822084	808794	<0.2	2.6	2.6	2.6	
						6.9	0.4	98	26.6	26.6	8.0	8.0	20.9	20.9	54.6	54.6	3.9	3.9	9.6	3.9	9.6	7	89	89	89	89	822084	808794	<0.2	2.6	2.6	2.6	
IM10	Fine	Moderate	16:04	7.8	Surface	1.0	0.7	120	28.6	28.6	8.0	8.0	6.3	6.6	66.4	66.4	5.0	5.0	9.3	7	85	85	87	87	822390	809783	<0.2	2.4	2.5	2.5			
						1.0	0.7	131	28.5	28.3	8.0	8.0	6.8	6.6	66.4	66.4	5.0	5.0	9.1	7	84	84	87	87	822390	809783	<0.2	2.4	2.5	2.5			
					Middle	3.9	0.6	106	28.3	28.3	8.0	8.0	7.9	7.9	66.4	66.4	4.9	4.9	7.5	8	88	88	87	87	822390	809783	<0.2	2.5	2.5	2.5			
						3.9	0.6	106	28.3	28.3	8.0	8.0	7.9	7.9	66.4	66.4	5.0	5.0	7.5	8	88	88	87	87	822390	809783	<0.2	2.5	2.5	2.5			
					Bottom	6.8	0.5	98	26.8	26.8	8.1	8.1	19.6	19.6	55.0	55.0	3.9	3.9	11.3	7	89	89	89	89	822390	809783	<0.2	2.5	2.5	2.5			
						6.8	0.5	105	26.8	26.8	8.1	8.1	19.6	19.6	55.0	55.0	3.9	3.9	11.4	8	89	89	89	89	822390	809783	<0.2	2.6	2.6	2.6			
IM11	Fine	Moderate	16:14	8.8	Surface	1.0	0.9	112	28.7	28.7	8.1	8.1	5.8	5.7	66.5	66.5	5.0	5.0	10.5	8	85	85	87	87	822078	811473	<0.2	2.6	2.6	2.6			
						1.0	1.0	118	28.7	28.7	8.1	8.1	5.7	5.7	66.5	66.5	5.0	5.0	10.4	8	84	84	87	87	822078	811473	<0.2	2.6	2.6	2.6			
					Middle	4.4	0.7	93	27.0	27.0	8.1	8.1	18.3	18.4	55.7	55.7	4.0	4.0	7.1	8	87	87	87	87	822078	811473	<0.2	2.6	2.6	2.6			
						4.4	0.8	101	27.0	27.0	8.1	8.1	18.4	18.4	55.6	55.6	4.0	4.0	7.1	8	87	87	87	87	822078	811473	<0.2	2.6	2.6	2.6			
					Bottom	7.8	0.2	89	26.0	26.0	8.2	8.2	24.8	24.8	52.9	52.9	3.7	3.7	11.8	7	89	89	89	89	822078	811473	<0.2	2.6	2.6	2.6			
						7.8	0.2	97	26.0	26.0	8.2	8.2	24.8	24.8	52.9	52.9	3.7	3.7	11.9	7	89	89	89	89	822078	811473	<0.2	2.6	2.6	2.6			
IM12	Fine	Moderate	16:21	10.1	Surface	1.0	0.7	101	29.0	29.0	8.1	8.1	5.6	5.6	69.1	69.1	5.1	5.1	9.1	7	84	84	86	86	821454	812054	<0.2	2.4	2.5	2.5			
						1.0	0.8	106	29.0	29.0	8.1	8.1	5.6	5.6	69.0	69.0	5.1	5.1	9.1	6	84	84	86	86	821454	812054	<0.2	2.6	2.6	2.6			
					Middle	5.1	0.7	99	27.5	27.5	8.2	8.2	14.6	14.4	59.0	59.1	4.3	4.3	7.1	7	86	86	87	87	821454	812054	<0.2	2.6	2.6	2.6			
						5.1	0.7	101	27.5	27.5	8.2	8.2	14.2	14.4	59.1	59.1	4.3	4.3	7.1	8	87	87	87	87	821454	812054	<0.2	2.5	2.5	2.5			
					Bottom	9.1	0.2	118	25.4	25.4	8.2	8.2	28.7	28.7	54.2	54.2	3.8	3.8	10.6	8	88	88	87	87	821454	812054	<0.2	2.6	2.6	2.6			
						9.1	0.2	128	25.4	25.4	8.2	8.2	28.7	28.7	54.5	54.4	3.8	3.8	10.6	7	89	89	87	87	821454	812054	<0.2	2.5	2.5	2.5			
SR1A	Fine	Moderate	16:41	5.5	Surface	1.0	-	-	29.2	29.2	8.0	8.0	6.7	6.7	79.2	79.1	5.9	5.9	6.8	6	-	-	-	-	819976	812659	-	-	-	-			
						1.0	-	-	29.2	29.2	8.0	8.0	6.7	6.7	79.0	79.0	5.8	5.8	6.8	6	-	-	-	-	819976	812659	-	-	-	-			
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.5	-	-	27.7	27.7	8.0	8.0	12.3	12.3	61.2	61.0	4.5	4.5	6.0	6	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.5	-	-	27.7	27.7	8.0	8.0	12.4	12.3	60.8	60.8	4.5	4.5	6.0	6	-	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Fine	Moderate	16:54	4.9	Surface	1.0	0.4	88	29.1	29.1	7.9	7.9	5.5	5.5	69.1	69.1	5.1	5.1	9.3	7	85	85	86	86	821478	814146	<0.2	2.5	2.5	2.5			
						1.0	0.4	89	29.1	29.1	7.9	7.9	5.5	5.5	69.0	69.0	5.1	5.1	9.4	7	85	85	86	86	821478	814146	<0.2	2.5	2.5	2.5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.9	0.3	83	27.6	27.6	7.9	7.9	12.6	12.6	59.7	59.8	4.4	4.4	7.8	8	87	87	87	87	86	86	821478	814146	<0.2	2.5	2.5	2.5	
						3.9	0.3	86	27.6	27.6	7.9	7.9	12.5	12.6	59.9	59.9	4.4	4.4	7.8	9	87	87	87	87	86	86	821478	814146	<0.2	2.5	2.5	2.5	
SR3	Fine	Moderate	15:39	9.4	Surface	1.0	0.3	205	28.5	28.5	8.0	8.0	6.9	6.9	65.2	65.2	4.9	4.9	8.0	8	-	-	-	-	822163	807579	-	-	-	-			
						1.0	0.4	211	28.5	28.5	8.0	8.0	6.9	6.9	65.1	65.1	4.9	4.9	8.0	8	-	-	-	-	822163	807579	-	-	-	-			
					Middle	4.7	0.2	173	26.9	26.9	8.1	8.1	18.4	18.4	53.2	53.2	3.8	3.8	9.4	4.4	8	-	-	-	-	822163	807579	-	-	-	-		
						4.7	0.3	175	26.9	26.9	8.1	8.1	18.5	18.4	53.2	53.2	3.8	3.8	9.5	7	-	-	-	-	822163	807579	-	-	-	-			
					Bottom	8.4	0.1	226	26.3	26.3	8.1	8.1	23.6	23.6	52.4	52.5	3.7	3.7	19.7	6	-	-	-	-	822163	807579	-	-	-	-			
						8.4	0.1	226	26.3	26.3	8.1	8.1	23.6	23.6	52.6	52.5	3.7	3.7	19.7	7	-	-	-	-	822163	807579	-	-	-	-			
SR4A	Sunny	Calm	16:40	9.3	Surface	1.0	0.7	236	28.9	28.9	7.9	7.9	9.0	9.0	73.9	73.8	5.4	5.4	7.7	8	-	-	-	-	817184	807813	-	-	-	-			
						1.0	0.7	250	28.9	28.9	7.9	7.9	8.9	9.0	73.7	73.7	5.4	5.4	7.6	4.2	8	-	-	-	-	817184	807813	-	-	-	-		
					Middle	4.7	0.1	358	25.3	25.3	7.9	7.9	28.9	28.9	43.3	43.4	3.0	3.0	11.2	6	-	-	-	-	817184	807813	-	-	-	-			
						4.7	0.1	329	25.3	25.3	7.9	7.9	28.9	28.9	43.5	43.4	3.0	3.0	11.6	7	-	-	-	-	817184	807813	-	-	-	-			
					Bottom	8.3	0.0	201	25.5	25.6	7.8	7.8	29.0	28.9	45.4	45.5	3.2	3.2	13.9	6	-	-	-	-	817184	807813	-	-	-	-			
						8.3	0.0	209	25.6	25.6	7.8	7.8	28.9	28.9	45.6	45.5	3.2	3.2	13.5	6	-	-	-										

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 June 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	10:08	7.8	Surface	1.0	0.2	265	28.2	28.2	8.0	8.0	2.5	2.5	62.5	62.6	4.8	-	10.1	-	9	-	84	-	-	-	-	-	-	-		
						1.0	0.2	271	28.2	8.0	8.0	2.5	2.5	62.6	62.6	4.8	-	10.2	-	9	-	83	-	-	-	-	-	-	-	-	-	
						3.9	0.3	278	28.0	28.0	8.0	8.0	5.0	5.0	62.5	62.5	4.8	4.8	12.3	-	9	9	86	-	-	-	-	-	-	-	-	-
					3.9	0.3	283	28.0	28.0	8.0	8.0	5.0	5.0	62.4	62.4	4.8	-	12.4	-	9	-	85	-	-	-	-	-	-	-	-	-	
					6.8	0.3	267	27.2	27.2	7.8	7.8	16.8	16.8	54.1	54.1	3.9	3.9	14.5	-	8	-	87	-	-	-	-	-	-	-	-	-	
					6.8	0.3	273	27.2	27.2	7.8	7.8	16.8	16.8	54.4	54.4	3.9	3.9	14.8	-	8	-	87	-	-	-	-	-	-	-	-	-	
IM10	Fine	Moderate	10:01	8.5	Surface	1.0	0.4	284	28.1	28.1	7.9	7.9	4.5	4.5	62.9	62.9	4.8	-	13.4	-	6	-	83	-	-	-	-	-	-	-		
						1.0	0.4	292	28.0	28.0	7.9	7.9	4.5	4.5	62.8	62.8	4.8	4.7	13.2	-	7	-	84	-	-	-	-	-	-	-		
						4.3	0.6	297	27.6	27.6	8.0	8.0	9.8	9.8	59.9	59.9	4.5	4.5	11.1	-	9	9	85	-	-	-	-	-	-	-	-	
					4.3	0.6	316	27.6	27.6	8.0	8.0	9.8	9.8	59.8	59.8	4.5	-	10.9	-	10	-	85	-	-	-	-	-	-	-	-		
					7.5	0.4	290	27.1	27.1	8.1	8.1	17.6	17.6	57.9	57.9	4.2	4.2	12.9	-	11	-	87	-	-	-	-	-	-	-	-		
					7.5	0.4	316	27.1	27.1	8.1	8.1	17.6	17.6	58.0	58.0	4.2	4.2	12.9	-	10	-	88	-	-	-	-	-	-	-	-		
IM11	Fine	Moderate	09:48	8.6	Surface	1.0	0.3	284	28.0	28.0	8.0	8.0	5.1	5.1	63.7	63.6	4.8	-	12.9	-	8	-	83	-	-	-	-	-	-	-		
						1.0	0.3	302	28.0	28.0	8.0	8.0	5.1	5.1	63.4	63.4	4.8	4.7	12.8	-	8	-	84	-	-	-	-	-	-	-		
						4.3	0.4	300	27.8	27.8	7.9	7.9	7.4	7.7	60.1	60.2	4.5	4.5	11.1	-	10	10	85	-	-	-	-	-	-	-		
					4.3	0.4	303	27.8	27.8	7.9	7.9	7.4	7.7	60.2	60.2	4.5	-	11.1	-	10	-	86	-	-	-	-	-	-	-			
					7.6	0.5	284	26.8	26.8	8.0	8.0	20.2	20.2	57.6	57.6	4.1	4.1	13.3	-	11	-	87	-	-	-	-	-	-	-			
					7.6	0.5	292	26.8	26.8	8.0	8.0	20.2	20.2	57.7	57.7	4.1	4.1	13.1	-	11	-	87	-	-	-	-	-	-	-			
IM12	Fine	Moderate	09:40	9.5	Surface	1.0	0.3	289	27.8	27.8	7.9	7.9	5.2	5.2	63.2	63.2	4.8	-	9.2	-	8	-	83	-	-	-	-	-	-			
						1.0	0.3	310	27.8	27.8	7.9	7.9	5.2	5.2	63.1	63.1	4.8	4.7	9.3	-	8	-	83	-	-	-	-	-				
						4.8	0.4	282	27.7	27.7	8.0	8.0	11.9	11.9	61.2	61.2	4.5	4.5	6.4	-	8	8	86	-	-	-	-	-				
					4.8	0.4	287	27.7	27.7	8.0	8.0	11.9	11.9	61.1	61.1	4.5	4.5	6.4	-	7	-	85	-	-	-	-	-					
					8.5	0.3	287	26.1	26.1	8.0	8.0	24.7	24.7	55.7	55.7	3.9	3.9	4.1	-	7	-	88	-	-	-	-	-					
					8.5	0.3	301	26.1	26.1	8.0	8.0	24.7	24.7	55.9	55.9	3.9	3.9	4.2	-	8	-	87	-	-	-	-	-					
SR1A	Fine	Moderate	09:20	5.7	Surface	1.0	-	-	28.3	28.3	7.9	7.9	5.6	5.6	69.0	69.0	5.2	-	8.3	-	6	-	-	-	-	-	-	-	-			
						1.0	-	-	28.3	28.3	7.9	7.9	5.6	5.6	69.0	69.0	5.2	5.2	8.3	-	7	-	-	-	-	-	-					
						2.9	-	-	-	-	-	-	-	-	-	-	-	5.2	-	-	-	-	-	6	-	-	-					
					2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					4.7	-	-	28.3	28.3	8.0	8.0	7.7	7.7	67.2	67.2	5.0	5.0	7.3	-	5	-	-	-	5	-	-						
					4.7	-	-	28.3	28.3	8.0	8.0	7.7	7.7	67.1	67.2	5.0	5.0	7.2	-	6	-	-	-	-	-							
SR2	Fine	Moderate	09:07	4.9	Surface	1.0	0.1	343	27.8	27.8	7.9	7.9	5.6	5.6	61.4	61.4	4.7	-	8.9	-	4	-	84	-	-	-	-	-				
						1.0	0.2	343	27.8	27.8	7.9	7.9	5.6	5.6	61.4	61.4	4.7	4.7	8.8	-	5	-	84	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-							
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-					
					3.9	0.0	293	27.8	27.8	7.9	7.9	8.1	8.1	60.6	60.6	4.6	4.6	10.6	-	4	-	87	-	-	-	-						
					3.9	0.0	315	27.8	27.8	8.0	8.0	8.1	8.1	60.6	60.6	4.6	4.6	10.7	-	5	-	87	-	-	-							
SR3	Fine	Moderate	10:21	9.7	Surface	1.0	0.3	254	27.9	28.0	7.9	7.9	3.6	3.7	62.0	62.3	4.8	-	9.9	-	8	-	-	-	-	-						
						1.0	0.3	269	28.0	28.0	7.9	7.9	3.9	3.7	62.6	62.6	4.8	4.5	9.7	-	9	-	-	-								
						4.9	0.2	215	27.6	27.6	7.9	7.9	11.7	11.7	57.6	57.5	4.3	4.3	8.6	-	9	-	-	-								
					4.9	0.2	215	27.6	27.6	7.9	7.9	11.7	11.7	57.4	57.4	4.2	4.2	8.7	-	8	-	-	-									
					8.7	0.0	103	26.7	26.7	7.9	7.9	20.6	20.6	52.3	52.4	3.7	3.7	10.9	-	8	-	-	-									
					8.7	0.0	107	26.7	26.7	7.9	7.9	20.6	20.6	52.4	52.4	3.7	3.7	10.7	-	8	-	-	-									
SR4A	Sunny	Calm	09:19	9.0	Surface	1.0	0.5	241	28.3	28.3	7.9	7.9	10.4	10.4	75.1	75.0	5.5	-	6.3	-	6	-	-	-	-	-						
						1.0	0.6	254	28.3	28.3	7.9	7.9	10.4	10.4	74.9	75.0	5.5	5.0	6.3	-	7	-	-	-								
						4.5	0.4	238	27.2	27.2	7.9	7.9	14.5	14.6	62.5	62.1	4.6	4.5	8.6	-	7	-	-	-								
					4.5	0.4	251	27.2	27.2	7.9	7.9	14.6	14.6	61.7	61.7	4.6	-	8.6	-	6	-	-	-									
					8.0	0.2	230	25.8	25.8	7.8	7.8	26.6	26.6	42.8	43.0	3.0	3.0	9.5	-	7	-	-	-									
					8.0	0.2	250	25.8	25.8	7.8	7.8	26.6	26.6	43.1	43.1	3.0	3.0	9.6	-	7	-	-	-									
SR5A	Sunny	Calm	09:03	5.4	Surface	1.0	0.4	304	28.0	28.0	7.7	7.7	10.8	10.8	71.0	70.9	5.2	-	10.8	-	6	-	-	-	-	-						
						1.0	0.4	326	28.0	28.0	7.7	7.7	10.8	10.8	70.7	70.7	5.2	5.2	11.2	-	6	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					4.4	0.3	304	27.9	27.9	7.7	7.7	12.9	12.9	70.8	70.9	5.2	5.2	12.3	-	6	-	-	-									
					4.4	0.4	329	27.9	27.9	7.7	7.7	12.9	12.9	70.9	70.9	5.2	5.2	12.4	-	5	-	-	-									
SR6A	Sunny	Calm	08:36	5.0	Surface	1.0	0.1	212	28.3	28.3	7.3	7.3	6.7	6.7	72.5	72.4	5.4	-	6.9	-	5	-	-	-	-							
						1.0	0.1	220	28.3	28.3	7.3	7.3	6.7	6.7																		

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

Water Quality Monitoring Results on 13 June 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	07:37	8.3	Surface	1.0	0.7	154	28.1	28.2	8.1	8.1	7.4	7.4	69.3	69.1	5.2	6.6	5	86	88	5	88	<0.2	2.0	88	815609	804267	<0.2	2.0	<0.2	2.0		
						1.0	0.7	154	28.2	28.0	8.1	8.1	7.5	7.4	68.9	68.9	5.2	6.6	5	85	88	5	87	<0.2	2.0									
						4.2	0.6	198	25.3	25.3	8.0	8.0	26.0	26.0	47.0	46.9	3.3	8.7	6	88	87	6	87	<0.2	1.9									
					4.2	0.6	211	25.2	24.9	8.0	8.0	26.0	26.0	46.8	46.8	3.3	8.8	5	87	88	5	87	<0.2	1.9										
					7.3	0.5	217	24.9	24.9	8.0	8.0	30.9	30.9	43.4	43.5	3.0	10.6	6	90	89	6	90	<0.2	2.0										
					7.3	0.5	224	24.9	24.9	8.0	8.0	30.9	30.9	43.5	43.5	3.0	10.8	5	90	89	5	90	<0.2	1.9										
C2	Cloudy	Moderate	08:14	11.6	Surface	1.0	0.8	181	28.0	28.0	7.8	7.8	8.1	8.1	69.7	69.8	5.2	8.9	8	84	87	8	84	<0.2	2.3	87	825694	806926	<0.2	2.3	<0.2	2.3		
						1.0	0.8	192	28.0	28.0	7.8	7.8	8.1	8.1	69.9	69.9	5.2	7.8	7	84	88	7	84	<0.2	2.3									
						5.8	0.6	178	26.3	26.3	7.9	7.9	22.1	22.1	55.0	55.1	3.9	5.3	8	87	88	8	88	<0.2	2.3									
					5.8	0.7	187	26.3	26.3	7.9	7.9	22.1	22.1	55.1	55.1	3.9	5.4	7	88	89	7	88	<0.2	2.3										
					10.6	0.4	158	25.3	25.3	7.8	7.8	28.9	28.9	52.1	52.2	3.6	6.1	8	89	88	8	89	<0.2	2.4										
					10.6	0.4	163	25.3	25.3	7.8	7.8	28.9	28.9	52.3	52.3	3.7	6.1	7	89	89	7	89	<0.2	2.3										
C3	Cloudy	Moderate	06:19	12.2	Surface	1.0	0.3	280	28.3	28.3	8.0	8.0	7.8	7.8	74.2	74.1	5.5	6.6	4	84	85	4	84	<0.2	2.0	86	822090	817816	<0.2	2.0	<0.2	2.0		
						1.0	0.3	294	28.3	28.0	8.0	8.0	7.8	7.8	73.9	73.9	5.5	6.5	4	85	85	4	85	<0.2	2.0									
						6.1	0.3	307	26.8	26.8	8.0	8.0	23.0	22.8	70.8	70.7	5.0	4.0	4	86	86	4	86	<0.2	2.1									
					6.1	0.4	335	26.8	24.8	8.0	8.0	22.5	22.5	70.6	70.6	5.0	4.0	4	86	86	4	86	<0.2	2.2										
					11.2	0.3	133	24.8	24.8	7.9	7.9	31.5	31.5	57.7	57.9	4.0	10.1	4	88	88	4	88	<0.2	2.0										
					11.2	0.3	141	24.8	24.8	7.9	7.9	31.5	31.5	58.0	58.0	4.0	10.2	4	89	88	4	89	<0.2	2.0										
IM1	Cloudy	Moderate	07:58	5.1	Surface	1.0	0.0	12	27.5	27.6	8.0	8.0	15.0	15.0	63.6	63.6	4.6	8.2	4	86	87	4	86	<0.2	1.9	88	817931	807123	<0.2	1.9	<0.2	1.9		
						1.0	0.0	12	27.6	27.6	8.0	8.0	15.0	15.0	63.6	63.6	4.6	8.6	4	87	87	4	87	<0.2	2.0									
						-	-	-	-	-	-	-	-	-	-	-	-	10.3	4	88	88	4	88	<0.2	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			-	-
					4.1	0.1	209	25.8	25.9	7.8	7.8	26.1	26.0	47.5	48.3	3.3	12.2	5	89	89	5	89	<0.2	1.9										
					4.1	0.1	214	25.9	25.9	7.8	7.8	26.0	26.0	49.1	49.1	3.5	12.0	4	90	90	4	90	<0.2	1.9										
IM2	Cloudy	Moderate	08:06	7.3	Surface	1.0	0.0	181	26.9	26.9	8.0	8.0	16.1	16.1	48.5	48.1	3.5	9.1	5	86	86	5	86	<0.2	2.0	88	818182	806143	<0.2	2.0	<0.2	2.0		
						1.0	0.0	196	26.9	26.9	8.0	8.0	16.3	16.3	47.7	47.7	3.5	9.3	6	86	86	6	86	<0.2	2.0									
						3.7	0.2	172	25.4	25.4	8.0	8.0	26.2	26.2	40.7	40.7	2.9	10.0	6	88	87	6	88	<0.2	2.0									
					3.7	0.2	183	25.3	25.2	8.0	8.0	26.3	26.2	40.6	40.6	2.9	10.7	5	87	88	5	87	<0.2	1.9										
					6.3	0.1	149	25.2	25.2	8.0	8.0	29.3	29.3	41.8	41.8	2.9	8.5	5	90	90	5	90	<0.2	2.2										
					6.3	0.2	158	25.2	25.2	8.0	8.0	29.3	29.3	42.1	42.0	2.9	8.8	6	89	89	6	89	<0.2	2.0										
IM3	Cloudy	Moderate	08:13	7.3	Surface	1.0	0.2	176	26.1	26.1	8.0	8.0	18.2	18.2	50.0	49.9	3.7	5.4	6	86	85	6	86	<0.2	2.0	88	818760	805578	<0.2	2.0	<0.2	2.0		
						1.0	0.2	176	26.0	25.5	8.0	8.0	18.2	18.2	49.8	49.8	3.6	5.3	6	85	85	6	85	<0.2	2.0									
						3.7	0.3	162	25.5	25.5	8.0	8.0	24.1	24.2	44.3	44.4	3.2	5.3	6	87	87	6	87	<0.2	2.0									
					3.7	0.3	176	25.4	25.1	8.0	8.0	24.2	24.2	44.4	44.4	3.2	5.5	6	89	89	6	89	<0.2	2.2										
					6.3	0.2	101	25.1	25.1	8.0	8.0	29.8	29.8	46.3	46.3	3.2	5.8	7	90	90	7	90	<0.2	2.0										
					6.3	0.2	110	25.1	25.1	8.0	8.0	29.8	29.8	47.0	46.7	3.3	5.9	6	91	91	6	91	<0.2	2.0										
IM4	Cloudy	Moderate	08:23	8.2	Surface	1.0	1.1	201	27.6	27.6	7.9	7.9	10.9	10.9	58.3	58.1	4.3	7.3	5	86	87	5	86	<0.2	1.9	88	819718	804600	<0.2	1.9	<0.2	1.9		
						1.0	1.2	203	27.6	27.6	7.9	7.9	10.9	10.9	57.8	57.8	4.3	7.6	6	87	87	6	87	<0.2	1.9									
						4.1	0.7	183	25.5	25.5	8.0	8.0	27.4	27.4	42.0	41.9	3.0	9.5	6	88	89	6	88	<0.2	2.0									
					4.1	0.7	201	25.4	25.5	8.0	8.0	27.4	27.4	41.8	41.9	2.9	9.4	5	89	89	5	89	<0.2	2.0										
					7.2	0.5	166	24.9	24.9	8.0	8.0	30.9	30.8	42.1	42.3	2.9	9.6	5	90	90	5	90	<0.2	2.0										
					7.2	0.5	167	24.9	24.9	8.0	8.0	30.8	30.8	42.4	42.3	3.0	9.7	4	90	90	4	90	<0.2	2.0										
IM5	Cloudy	Moderate	08:31	7.4	Surface	1.0	0.9	217	28.0	28.0	7.9	7.9	7.4	7.4	66.2	66.0	5.0	7.4	6	86	86	6	86	<0.2	1.9	88	820735	804890	<0.2	1.9	<0.2	1.9		
						1.0	0.9	223	28.0	28.0	8.0	8.0	7.4	7.4	65.7	65.7	4.9	7.3	5	86	87	5	86	<0.2	2.0									
						3.7	0.6	205	25.8	25.8	8.0	8.0	24.2	24.2	40.3	40.2	2.9	5.4	5	87	87	5	87	<0.2	1.9									
					3.7	0.6	215	25.8	25.8	8.0	8.0	24.1	24.2	40.0	40.2	2.9	5.5	5	87	87	5	87	<0.2	1.9										
					6.4	0.5	210	25.1	25.1	8.0	8.0	29.9	29.9	40.2	40.5	2.8	15.0	5	90	90	5	90	<0.2	2.0										
					6.4	0.6	210	25.1	25.1	8.0	8.0	29.9	29.9	40.7	40.5	2.8	15.2	5	90	90	5	90	<0.2	2.0										
IM6	Cloudy	Moderate	08:39	7.4	Surface	1.0	0.5	227	27.7	27.7	7.8	7.8	10.3	9.9	58.4	58.3	4.3	7.9	5	85	86	5	85	<0.2	2.0	88	821074	805845	<0.2	2.0	<0.2	2.1		
						1.0	0.5	246	27.6	27.7	7.8	7.8	9.6	9.9	58.2	58.3	4.4	7.7	5	86	87	5	86	<0.2	2.0									
						3.7	0.6	247	26.7	26.7	8.0	8.0	18.8	18.8	45.5	45.2	3.2	8.3	6	87	88	6	87	<0.2	2.1									
					3.7	0.6	259	26.7	26.7	8.0	8.0	18.8	18.8	44.9	45.2	3.2	8.9	6	88	88	6	88	<0.2	2.2										
					6.4	0.4	214	25.3	25.3	8.0	8.0	28.2	28.3	41.2	41.2	2.9	9.0	6	90	90	6	90	<0.2	2.0										
					6.4	0.5	226	25.3	25.3	8.0	8.0	28.3	28.3	44.9	43.1	3.1	8.9	7	90	90	7	90	<0.2	2.1										
IM7	Cloudy	Moderate	08:48	8.3	Surface	1.0	0.2	236	28.0	28.0	7.9	7.9																						

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

Water Quality Monitoring Results on 13 June 20 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
IM9	Cloudy	Moderate	07:40	7.6	Surface	1.0	0.4	147	27.6	27.6	7.7	7.7	8.0	7.9	71.1	71.5	5.4	5.4	8.5	8.5	6	6	83	83	86	822077	808828	<0.2	2.4	<0.2	2.4		
						1.0	0.5	148	27.6	27.6	7.7	7.7	7.8	7.8	71.9	71.9	5.4	5.4	8.2	7	7	83	83	<0.2				2.4					
					Middle	3.8	0.4	137	26.7	26.7	7.8	7.8	15.9	15.8	57.8	57.8	4.2	4.2	8.2	7	7	86	86	<0.2				2.3	<0.2	2.3			
						3.8	0.4	144	26.7	26.7	7.8	7.8	15.7	15.7	57.9	57.9	4.3	4.3	8.5	7	7	87	87	<0.2				2.3	<0.2	2.3			
					Bottom	6.6	0.4	93	27.0	27.0	7.7	7.7	21.5	21.5	54.6	54.6	3.9	3.9	13.9	7	7	88	88	<0.2				2.4	<0.2	2.4			
						6.6	0.4	98	27.0	27.0	7.7	7.7	21.5	21.5	55.1	55.1	3.9	3.9	14.0	6	6	89	89	<0.2				2.4	<0.2	2.4			
IM10	Cloudy	Moderate	07:33	8.0	Surface	1.0	0.7	120	27.8	27.8	7.8	7.8	8.3	8.3	73.7	74.8	5.5	5.5	9.3	6	6	83	83	85	822387	809779	<0.2	2.3	<0.2	2.3			
						1.0	0.7	131	27.8	27.8	7.8	7.8	8.2	8.2	75.9	75.9	5.7	5.7	8.6	5	5	83	83				<0.2	2.3					
					Middle	4.0	0.6	106	27.3	27.3	7.8	7.8	14.7	14.7	57.4	57.4	4.2	4.2	6.7	5	5	86	86				<0.2	2.3	<0.2	2.3			
						4.0	0.6	106	27.3	27.3	7.8	7.8	14.7	14.7	57.5	57.5	4.2	4.2	6.7	5	5	86	86				<0.2	2.2	<0.2	2.2			
					Bottom	7.0	0.5	98	27.0	27.1	7.7	7.7	23.0	23.0	55.9	55.9	3.9	4.0	7.9	5	5	87	87				<0.2	2.3	<0.2	2.3			
						7.0	0.5	105	27.1	27.1	7.7	7.7	23.0	23.0	56.5	56.5	4.0	4.0	8.0	5	5	87	87				<0.2	2.3	<0.2	2.3			
IM11	Cloudy	Moderate	07:21	7.4	Surface	1.0	0.9	112	27.8	27.8	7.7	7.7	10.2	10.2	68.7	69.6	5.1	5.1	9.6	6	6	82	82	85	822052	811446	<0.2	2.4	<0.2	2.4			
						1.0	1.0	118	27.8	27.8	7.7	7.7	10.2	10.2	70.5	70.5	5.2	5.2	9.5	5	5	83	83				<0.2	2.2	<0.2	2.2			
					Middle	3.7	0.7	93	27.6	27.6	7.8	7.8	13.4	13.4	62.4	62.4	4.6	4.6	7.2	5	5	86	86				<0.2	2.4	<0.2	2.4			
						3.7	0.8	101	27.6	27.6	7.8	7.8	13.4	13.4	62.4	62.4	4.6	4.6	7.3	5	5	86	86				<0.2	2.3	<0.2	2.3			
					Bottom	6.4	0.2	89	26.1	26.1	7.8	7.8	23.7	23.7	57.4	57.4	4.1	4.1	4.7	6	6	87	87				<0.2	2.3	<0.2	2.3			
						6.4	0.2	97	26.1	26.1	7.8	7.8	23.7	23.7	57.5	57.5	4.1	4.1	4.8	6	6	87	87				<0.2	2.3	<0.2	2.3			
IM12	Fine	Moderate	07:15	9.5	Surface	1.0	0.7	101	28.0	28.0	7.8	7.8	9.2	9.2	68.0	68.1	5.1	5.1	7.8	7	7	84	84	86	821449	812050	<0.2	2.4	<0.2	2.4			
						1.0	0.8	106	28.0	28.0	7.8	7.8	9.2	9.2	68.2	68.1	5.1	5.1	7.6	6	6	84	84				<0.2	2.3	<0.2	2.3			
					Middle	4.8	0.7	99	27.2	27.2	7.9	7.9	16.7	16.7	59.4	59.4	4.3	4.3	5.0	7	7	85	85				<0.2	2.2	<0.2	2.2			
						4.8	0.7	101	27.2	27.2	7.9	7.9	16.7	16.7	59.4	59.4	4.3	4.3	5.0	6	6	85	85				<0.2	2.2	<0.2	2.2			
					Bottom	8.5	0.2	118	25.1	25.1	7.8	7.8	29.9	29.8	55.7	55.7	3.9	3.9	6.2	7	7	87	87				<0.2	2.6	<0.2	2.6			
						8.5	0.2	128	25.1	25.1	7.8	7.8	29.8	29.8	56.4	56.4	3.9	3.9	6.0	6	6	88	88				<0.2	2.5	<0.2	2.5			
SR1A	Fine	Calm	06:55	4.5	Surface	1.0	-	-	28.3	28.3	7.9	7.9	6.7	6.7	75.5	75.4	5.7	5.7	6.7	4	4	-	-	819982	812655	-	-	-	-				
						1.0	-	-	28.2	28.2	7.9	7.9	6.7	6.7	75.3	75.3	5.7	5.7	6.5	4	4	-	-			-	-						
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2			4	4	-	-	-	-		
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-		
					Bottom	3.5	-	-	28.0	28.1	7.8	7.8	13.0	12.8	67.1	67.1	4.9	4.9	5.8	4	4	-	-			-	-	-	-	-	-		
						3.5	-	-	28.1	28.1	7.8	7.8	12.6	12.6	67.1	67.1	4.9	4.9	5.8	5	5	-	-			-	-	-	-	-	-		
SR2	Cloudy	Moderate	06:43	4.3	Surface	1.0	0.4	88	28.3	28.3	7.9	7.9	7.6	7.6	75.6	75.7	5.6	5.6	8.2	4	4	86	86	87	821441	814172	<0.2	2.3	<0.2	2.3			
						1.0	0.4	89	28.2	28.2	7.9	7.9	7.7	7.7	75.7	75.7	5.7	5.7	8.2	4	4	87	87				<0.2	2.3					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6				4	4	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	
					Bottom	3.3	0.3	83	27.9	27.9	7.9	7.9	7.9	7.9	77.7	78.0	5.8	5.9	8.8	4	4	87	87				<0.2	2.2	<0.2	2.2			
						3.3	0.3	86	27.9	27.9	7.9	7.9	7.8	7.8	78.2	78.2	5.9	5.9	9.3	4	4	88	88				<0.2	2.4	<0.2	2.4			
SR3	Cloudy	Moderate	07:52	9.1	Surface	1.0	0.3	205	27.4	27.4	7.8	7.8	9.9	9.9	65.3	65.2	4.9	4.9	7.7	6	6	-	-	822128	807554	-	-	-	-				
						1.0	0.4	211	27.4	27.4	7.8	7.8	9.9	9.9	65.0	65.0	4.9	4.9	7.8	6	6	-	-										
					Middle	4.6	0.2	173	26.2	26.2	7.8	7.8	22.0	21.9	51.3	51.3	3.7	3.7	10.3	7	7	-	-			-	-						
						4.6	0.3	175	26.2	26.2	7.8	7.8	21.9	21.9	51.6	51.6	3.7	3.7	10.5	6	6	-	-			-	-						
					Bottom	8.1	0.1	226	26.1	26.1	7.7	7.7	23.6	23.6	53.7	53.9	3.8	3.8	14.3	6	6	-	-			-	-						
						8.1	0.1	226	26.1	26.1	7.7	7.7	23.6	23.6	54.0	53.9	3.8	3.8	14.4	6	6	-	-			-	-						
SR4A	Cloudy	Moderate	07:15	8.7	Surface	1.0	0.7	236	28.0	28.0	7.9	7.9	9.7	9.7	67.4	67.3	5.0	5.0	5.8	5	5	-	-	817188	807818	-	-	-	-				
						1.0	0.7	250	28.0	28.0	7.9	7.9	9.7	9.7	67.2	67.2	5.0	5.0	5.8	6	6	-	-										
					Middle	4.4	0.1	358	25.6	25.6	7.9	7.9	26.5	26.5	41.4	41.5	2.9	2.9	8.1	6	6	-	-			-	-						
						4.4	0.1	329	25.6	25.6	7.9	7.9	26.5	26.5	41.6	41.5	2.9	2.9	8.4	5	5	-	-										
					Bottom	7.7	0.0	201	25.4	25.4	7.9	7.9	28.0	28.0	45.1	45.3	3.2	3.2	8.8	7	7	-	-			-	-						
						7.7	0.0	209	25.4	25.4	7.9	7.9	28.0	28.0	45.5	45.3	3.2	3.2	9.0	7	7	-	-			-	-						
SR5A	Cloudy	Moderate	06:55	3.7	Surface	1.0	0.1	266	28.6	28.6	7.9	7.9	10.2	10.2	75.9	75.8	5.6	5.6	10.6	4	4	-	-	816569	810703	-	-	-	-				
						1.0	0.1	283	28.6	28.6	7.9	7.9	10.2	10.2	75.6	75.6	5.5	5.5	10.6	5	5	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6			10.9	5	5	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-			
					Bottom	2.7	0.1	316	28.5	28.5	7.9	7.9	12.4	12.4	75.3	75.4	5.5	5.5	10.5	4	4	-	-			-	-						
						2.7	0.1	334	28.5	28.5	7.9	7.9	12.4	12.4	75.4	75.4	5.5	5.5	11.8	5	5	-	-			-	-						
SR6A	Cloudy	Moderate	06:27	4.7	Surface	1.0	0.1	7	28.3	28.3	8.0	8.0	9.5	9.5	66.2	66.2	4.9	4.9	5.5	4	4	-	-	817961	814728	-	-	-	-				

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 June 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
IM9	Rainy	Moderate	10:56	7.3	Surface	1.0	0.2	265	28.2	28.2	7.8	7.8	6.4	6.5	73.5	73.5	5.5	5.0	10.0	8	9	82	86	822070	808808	<0.2	2.4	2.4	2.4			
						1.0	0.2	271	28.2	28.2	7.8	7.8	6.5	6.5	73.4	73.4	5.5	5.0	10.0	8	9	82	86	<0.2	2.4	2.4	2.4					
					Middle	3.7	0.3	278	27.1	27.1	7.8	7.8	15.8	15.8	60.2	60.3	4.4	4.4	8.8	8	8	85	86	<0.2	2.3	2.5	2.4	2.4				
						3.7	0.3	283	27.1	27.1	7.8	7.8	15.8	15.8	60.4	60.4	4.4	4.4	8.9	8	8	85	86	<0.2	2.3	2.5	2.4	2.4				
					Bottom	6.3	0.3	267	26.1	26.1	7.8	7.8	23.5	23.5	54.9	55.1	3.9	3.9	12.0	8	8	90	90	<0.2	2.4	2.4	2.4	2.4				
						6.3	0.3	273	26.1	26.1	7.8	7.8	23.6	23.6	55.2	55.2	3.9	3.9	12.2	7	7	90	90	<0.2	2.4	2.4	2.4	2.4				
IM10	Rainy	Moderate	11:04	7.2	Surface	1.0	0.4	284	28.2	28.2	7.8	7.8	7.0	7.0	73.6	73.7	5.5	4.7	10.4	9	9	83	86	822380	809801	<0.2	2.4	2.4	2.4			
						1.0	0.4	292	28.2	28.2	7.8	7.8	7.0	7.0	73.7	73.7	5.5	4.7	10.4	9	9	83	86	<0.2	2.4	2.4	2.4					
					Middle	3.6	0.6	297	26.5	26.5	7.8	7.8	20.9	20.9	53.0	53.1	3.8	3.8	7.4	8	9	85	85	<0.2	2.4	2.4	2.4	2.4				
						3.6	0.6	316	26.5	26.5	7.8	7.8	20.9	20.9	53.1	53.1	3.8	3.8	7.5	8	8	85	85	<0.2	2.4	2.4	2.4	2.4				
					Bottom	6.2	0.4	290	25.7	25.7	7.8	7.8	26.5	26.5	54.1	54.3	3.8	3.8	8.3	8	8	90	90	<0.2	2.4	2.4	2.4	2.4				
						6.2	0.4	316	25.7	25.7	7.8	7.8	26.5	26.5	54.4	54.4	3.8	3.8	8.4	8	8	91	91	<0.2	2.4	2.4	2.4	2.4				
IM11	Cloudy	Moderate	11:15	7.4	Surface	1.0	0.3	284	28.3	28.3	7.7	7.7	7.7	7.7	73.2	73.3	5.5	4.8	9.3	7	7	83	86	822074	811481	<0.2	2.4	2.4	2.4			
						1.0	0.3	302	28.3	28.3	7.7	7.7	7.7	7.7	73.4	73.4	5.5	4.8	9.3	7	7	82	82	<0.2	2.4	2.4	2.4					
					Middle	3.7	0.4	300	26.5	26.5	7.8	7.8	19.4	19.0	55.8	56.0	4.0	4.1	6.3	6	6	85	86	<0.2	2.3	2.4	2.4	2.4				
						3.7	0.4	303	26.5	26.5	7.8	7.8	18.6	18.6	56.2	56.2	4.1	4.1	6.3	6	6	85	86	<0.2	2.3	2.4	2.4	2.4				
					Bottom	6.4	0.5	284	25.9	25.9	7.7	7.7	25.0	24.9	56.8	57.1	4.1	4.1	6.2	8	8	91	91	<0.2	2.4	2.4	2.4	2.4				
						6.4	0.5	292	25.9	25.9	7.7	7.7	24.9	24.9	57.3	57.3	4.1	4.1	6.2	7	7	91	91	<0.2	2.4	2.4	2.4	2.4				
IM12	Cloudy	Moderate	11:21	9.8	Surface	1.0	0.3	289	28.1	28.1	7.8	7.8	7.6	7.6	70.1	70.2	5.3	4.5	8.0	6	6	84	86	821473	812048	<0.2	2.4	2.4	2.4			
						1.0	0.3	310	28.1	28.1	7.8	7.8	7.6	7.6	70.3	70.3	5.3	4.5	8.0	6	6	84	86	<0.2	2.3	2.4	2.4					
					Middle	4.9	0.4	282	26.5	26.5	7.8	7.8	20.5	20.5	51.2	51.1	3.7	3.7	7.1	6	6	85	85	<0.2	2.4	2.4	2.4	2.4				
						4.9	0.4	287	26.5	26.5	7.8	7.8	20.5	20.5	51.0	51.0	3.7	3.7	7.3	6	6	86	86	<0.2	2.3	2.3	2.4	2.4				
					Bottom	8.8	0.3	287	25.1	25.1	7.8	7.8	30.0	30.0	50.6	50.7	3.5	3.5	8.8	6	6	89	89	<0.2	2.4	2.4	2.4	2.4				
						8.8	0.3	301	25.1	25.1	7.8	7.8	30.0	30.0	50.7	50.7	3.5	3.5	9.2	6	6	90	90	<0.2	2.4	2.4	2.4	2.4				
SR1A	Cloudy	Calm	11:40	4.6	Surface	1.0	-	-	28.7	28.7	7.9	7.9	8.2	8.1	84.3	84.3	6.2	6.2	5.6	4	4	-	-	819981	812661	-	-	-	-			
						1.0	-	-	28.6	28.6	7.9	7.9	8.1	8.1	84.2	84.2	6.2	6.2	5.6	4	4	-	-	-	-	-	-	-	-			
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	6.2	5.6	4	4	-	-	-	-	-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	-	-	28.0	28.0	7.8	7.8	13.7	13.8	66.5	66.5	4.8	4.8	5.3	4	4	-	-	-	-	-	-	-	-	-	-	-
						3.6	-	-	28.0	28.0	7.8	7.8	13.8	13.8	66.5	66.5	4.8	4.8	5.3	5	5	-	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Moderate	11:54	4.9	Surface	1.0	0.1	343	28.6	28.6	7.8	7.8	9.6	9.6	80.4	80.5	5.9	5.9	6.6	6	6	83	84	821458	814187	<0.2	2.3	2.4	2.4			
						1.0	0.2	343	28.6	28.6	7.8	7.8	9.6	9.6	80.6	80.6	5.9	5.9	6.6	6	6	83	84	<0.2	2.4	2.4	2.4	2.4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	5.9	6.6	6	6	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.9	0.0	293	27.6	27.6	7.8	7.8	15.8	15.8	64.0	64.1	4.6	4.6	8.2	5	5	85	85	<0.2	2.3	2.4	2.4	2.4				
						3.9	0.0	315	27.7	27.7	7.8	7.8	15.8	15.8	64.2	64.2	4.6	4.6	8.2	6	6	86	86	<0.2	2.3	2.4	2.4	2.4	2.4	2.4		
SR3	Rainy	Moderate	10:38	9.4	Surface	1.0	0.3	254	28.0	28.0	7.7	7.7	5.9	5.9	69.4	69.4	5.3	4.4	9.9	8	8	-	-	822138	807560	-	-	-	-			
						1.0	0.3	269	28.0	28.0	7.7	7.7	5.9	5.9	69.4	69.4	5.3	4.4	9.9	8	8	-	-	-	-	-	-	-	-			
					Middle	4.7	0.2	215	26.7	26.8	7.7	7.7	21.1	20.9	49.8	50.3	3.5	3.5	6.5	8	8	-	-	-	-	-	-	-	-	-		
						4.7	0.2	215	26.8	26.8	7.7	7.7	20.6	20.9	50.8	50.8	3.6	3.6	6.5	7	7	-	-	-	-	-	-	-	-			
					Bottom	8.4	0.0	103	25.6	25.6	7.7	7.7	26.5	26.5	43.4	43.6	3.1	3.1	13.3	7	7	-	-	-	-	-	-	-	-			
						8.4	0.0	107	25.6	25.6	7.7	7.7	26.5	26.5	43.7	43.7	3.1	3.1	12.7	6	6	-	-	-	-	-	-	-	-			
SR4A	Cloudy	Moderate	11:46	8.8	Surface	1.0	0.5	241	28.8	28.8	8.3	8.3	10.5	10.5	83.9	83.7	6.1	4.5	5.4	5	5	-	-	817165	807818	-	-	-	-			
						1.0	0.6	254	28.8	28.8	8.3	8.3	10.5	10.5	83.5	83.5	6.1	4.5	5.5	6	6	-	-	-	-	-	-	-				
					Middle	4.4	0.4	238	25.7	25.7	8.0	8.0	25.6	25.6	41.3	41.4	2.9	2.9	6.6	6	6	-	-	-	-	-	-	-				
						4.4	0.4	251	25.6	25.6	8.0	8.0	25.6	25.6	41.4	41.4	2.9	2.9	6.8	5	5	-	-	-	-	-	-	-				
					Bottom	7.8	0.2	230	25.4	25.4	8.0	8.0	28.1	28.1	43.8	44.2	3.1	3.1	8.0	5	5	-	-	-	-	-	-	-				
						7.8	0.2	250	25.4	25.4	8.0	8.0	28.2	28.1	44.6	44.6	3.1	3.1	8.0	5	5	-	-	-	-	-	-	-				
SR5A	Cloudy	Moderate	12:04	4.0	Surface	1.0	0.4	304	28.7	28.7	8.3	8.3	10.8	10.8	87.8	87.7	6.4	6.4	5.7	5	5	-	-	816571	810709	-	-	-	-			
						1.0	0.4	326	28.7	28.7	8.3	8.3	10.8	10.8	87.5	87.5	6.4	6.4	5.8	4	4	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4	6.4	5.7	5	5	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.7	5	5	-	-	-				
					Bottom	3.0	0.3	304	28.2	28.3	8.1																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 June 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Rainy	Moderate	10:05	8.6	Surface	1.0	0.4	178	27.8	27.8	7.9	7.9	6.5	6.5	86.8	86.2	6.6		6.4		5		85		89	815597	804249	<0.2	1.5	1.6			
						1.0	0.5	190	27.7	7.9	7.9	6.5	6.5	85.5	85.2	6.5	5.3	6.2	6	85													
					Middle	4.3	0.2	232	26.3	26.3	7.8	7.8	19.9	19.9	55.4	55.2	4.0	4.0	4.9	6	88												
						4.3	0.3	236	26.2	26.2	7.8	7.8	19.9	19.9	55.0	55.0	4.0	4.0	4.9	6	89												
					Bottom	7.6	0.4	215	25.3	25.3	7.8	7.8	29.3	29.3	45.0	45.1	3.1	3.1	6.2	5	92												
						7.6	0.5	227	25.3	25.3	7.8	7.8	29.3	29.3	45.1	45.1	3.1	3.1	6.3	5	92												
C2	Cloudy	Moderate	11:20	11.0	Surface	1.0	1.0	166	27.0	27.0	7.9	7.9	8.6	8.6	70.4	70.5	5.4		8.0		6		85		87	825704	806933	<0.2	1.6	1.6			
						1.0	1.0	168	27.0	27.0	7.9	7.9	8.6	8.6	70.6	70.6	5.4	4.6	7.9	6	85												
					Middle	5.5	0.5	153	26.0	26.0	7.9	7.9	21.2	21.2	52.9	52.8	3.8	3.8	4.3	7	87												
						5.5	0.5	165	26.0	26.0	7.9	7.9	21.2	21.2	52.6	52.6	3.8	3.8	4.5	7	88												
					Bottom	10.0	0.3	151	25.8	25.9	7.8	7.8	27.1	27.1	46.6	46.6	3.3	3.3	8.7	7	89												
						10.0	0.3	165	25.9	25.9	7.8	7.8	27.1	27.1	46.6	46.6	3.3	3.3	9.1	6	90												
C3	Cloudy	Moderate	09:19	12.5	Surface	1.0	0.2	150	27.6	27.6	8.2	8.2	10.4	10.4	94.4	94.4	7.0		6.0		7		85		87	822091	817815	<0.2	1.6	1.6			
						1.0	0.2	160	27.5	27.5	8.2	8.2	10.4	10.4	94.3	94.3	6.0	6.5	5.9	6	86												
					Middle	6.3	0.1	338	26.9	26.9	8.2	8.2	17.1	17.1	82.2	82.2	6.0	6.0	6.3	7	87												
						6.3	0.1	345	26.9	26.9	8.2	8.2	17.1	17.1	82.1	82.1	6.0	6.0	6.5	7	88												
					Bottom	11.5	0.1	83	24.9	24.9	8.0	8.0	30.4	30.4	56.8	57.0	4.0	4.0	9.7	6	89												
						11.5	0.1	86	24.9	24.9	8.0	8.0	30.4	30.4	57.2	57.2	4.0	4.0	9.3	7	89												
IM1	Sunny	Calm	10:24	4.7	Surface	1.0	0.1	328	27.4	27.5	7.9	7.9	12.5	12.5	81.6	81.8	6.0		6.7		7		83		86	817959	807129	<0.2	1.7	1.7			
						1.0	0.1	335	27.5	27.5	7.9	7.9	12.4	12.4	81.9	81.9	6.1	6.1	6.7	7	84												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.7	0.1	9	26.0	26.0	7.7	7.6	23.6	23.8	52.7	53.0	3.7	3.8	8.8	6	87												
						3.7	0.1	9	26.0	26.0	7.6	7.6	23.9	23.8	53.2	53.0	3.8	3.8	8.7	6	89												
IM2	Fine	Moderate	10:31	6.6	Surface	1.0	0.0	243	27.1	27.2	7.8	7.8	14.4	14.2	73.8	73.9	5.4		7.3		6		85		89	818170	806187	<0.2	1.7	1.8			
						1.0	0.0	249	27.2	27.2	7.8	7.8	14.0	14.0	74.0	74.0	5.4	4.2	7.3	7	86												
					Middle	3.3	0.1	203	25.7	25.7	7.7	7.7	25.2	25.2	42.8	42.9	3.0	3.0	7.6	8	89												
						3.3	0.1	219	25.7	25.7	7.7	7.7	25.2	25.2	43.0	42.9	3.0	3.0	7.6	8	90												
					Bottom	5.6	0.0	356	25.4	25.4	7.7	7.7	27.9	27.8	44.0	44.1	3.1	3.1	7.9	7	90												
						5.6	0.0	328	25.4	25.4	7.7	7.7	27.8	27.8	44.1	44.1	3.1	3.1	7.8	8	91												
IM3	Fine	Moderate	10:38	7.0	Surface	1.0	0.2	234	27.3	27.3	7.8	7.8	12.0	12.1	76.0	75.7	5.6		7.1		7		83		88	818768	805588	<0.2	1.9	1.9			
						1.0	0.2	234	27.3	27.3	7.8	7.8	12.1	12.1	75.4	75.4	5.6	4.4	7.1	7	84												
					Middle	3.5	0.2	233	25.6	25.7	7.7	7.7	25.6	25.4	43.5	43.7	3.1	3.1	7.9	8	88												
						3.5	0.3	248	25.7	25.7	7.7	7.7	25.3	25.4	43.8	43.7	3.1	3.1	7.9	6	88												
					Bottom	6.0	0.2	227	25.3	25.3	7.7	7.7	28.6	28.6	41.3	41.5	2.9	2.9	9.9	6	93												
						6.0	0.2	229	25.3	25.3	7.7	7.7	28.6	28.6	41.7	41.5	2.9	2.9	10.1	7	92												
IM4	Fine	Moderate	10:49	8.0	Surface	1.0	0.8	187	27.5	27.5	7.8	7.8	6.5	6.5	86.1	85.7	6.6		6.8		8		87		91	819717	804590	<0.2	2.0	2.0			
						1.0	0.9	196	27.4	27.5	7.8	7.8	6.5	6.5	85.2	85.7	6.5	5.4	7.0	7	88												
					Middle	4.0	0.7	189	26.6	26.6	7.7	7.7	17.8	17.8	58.0	58.0	4.2	4.2	7.1	7	92												
						4.0	0.8	206	26.6	26.6	7.7	7.7	17.8	17.8	58.0	58.0	4.2	4.2	7.2	8	92												
					Bottom	7.0	0.1	207	25.6	25.6	7.7	7.7	25.9	25.8	41.8	42.0	3.0	3.0	8.0	7	94												
						7.0	0.1	209	25.6	25.6	7.7	7.7	25.8	25.8	42.1	42.0	3.0	3.0	8.2	6	94												
IM5	Fine	Moderate	10:58	7.4	Surface	1.0	0.6	201	27.9	27.9	7.8	7.8	4.9	4.9	91.1	90.9	7.0		6.8		6		88		91	820737	804848	<0.2	2.0	2.0			
						1.0	0.6	213	27.9	27.9	7.8	7.8	4.9	4.9	90.7	90.9	6.9	6.1	6.8	5	87												
					Middle	3.7	0.7	200	27.1	27.1	7.7	7.7	12.1	12.7	70.7	70.9	5.3	5.3	6.3	5	91												
						3.7	0.7	218	27.0	27.1	7.7	7.7	13.4	12.7	71.0	70.9	5.2	5.2	6.2	4	92												
					Bottom	6.4	0.5	223	26.6	26.6	7.6	7.6	18.9	18.8	60.1	60.5	4.3	4.4	7.4	5	93												
						6.4	0.5	228	26.7	26.7	7.6	7.6	18.8	18.8	60.9	60.5	4.4	4.4	7.3	5	94												
IM6	Fine	Moderate	11:06	6.9	Surface	1.0	0.4	225	27.8	27.8	7.7	7.7	7.0	7.0	87.4	87.4	6.6		6.7		5		84		88	821079	805815	<0.2	2.1	2.1			
						1.0	0.4	236	27.8	27.8	7.7	7.7	7.0	7.0	87.4	87.4	6.6	6.1	6.7	6	85												
					Middle	3.5	0.4	234	27.4	27.4	7.7	7.7	10.1	10.1	75.0	74.7	5.6	5.6	7.0	5	88												
						3.5	0.4	247	27.4	27.4	7.7	7.7	10.1	10.1	74.4	74.7	5.6	5.6	7.0	4	88												
					Bottom	5.9	0.3	264	26.4	26.4	7.6	7.6	20.3	20.3	53.3	53.5	3.8	3.9	8.8	6	93												
						5.9	0.3	264	26.3	26.4	7.6	7.6	20.3	20.3	53.6	53.5	3.9	3.9	8.5	6	92												
IM7	Fine	Moderate	11:16	7.6	Surface	1.0	0.4	237	27.9	27.9	7.7	7.7	8.7	8.7	85.9	85.9	6.4		6.4		6		85		89	821333	806815	<0.2	1.8	1.8			
						1.0	0.4	241	27.9	27.9	7.7	7.7	8.7	8.7	85.8	85.9	6.4	6.0	6.4	6	86												
					Middle	3.8	0.4	239	27.4	27.4	7.7	7.7	10.7	10.7	76.0	75.8	5.7	5.6	6.1	6	89												
						3.8	0.4	257	27.4	27.4	7.7	7.7	10.7	10.7	75.6	75.8	5.6	5.6	6.2	6	89												
					Bottom	6.6	0.2	278	26.7	26.8	7.6	7.6	20.5	20.5	57.8	58.4	4.1	4.2	7.4	6	93												
						6.6	0.2	289	26.8	26.8	7.6	7.6	20.4	20.5	59.0	58.4	4.2	4.2	7.1	5	93												
IM8	Cloudy	Moderate	10:52	7.0	Surface	1.0	0.2	185	27.6	27.6	8.0	8.0	9.2	9.2	83.6	83.6	6.3		7.3		6		85		87	821816	808139	<0.2	1.7	1.6			
						1.0	0.2	194	27.6	27.6	8.0	8.0	9.2	9.2	83.6	83.6	6.3	6.0	7.3	6	85												
					Middle	3.5	0.1	171																									

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

Water Quality Monitoring Results on 26 June 20 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	10:46	7.4	Surface	1.0	0.3	133	27.4	27.4	8.0	8.0	9.0	9.0	82.5	82.5	6.2	6.9	5	86	88	822097	808812	<0.2	1.6	1.8	1.6					
						1.0	0.3	142	27.4	8.0	8.0	9.0	9.0	82.4	82.4	6.2	6.8	6	85	88	<0.2	1.6										
					Middle	3.7	0.2	119	27.1	27.1	8.0	8.0	12.7	12.7	77.4	77.3	5.7	7.2	6	87	88	<0.2	1.9	1.8								
						3.7	0.2	126	27.0	8.0	8.0	12.7	12.7	77.2	77.3	5.7	7.3	7	88	88	<0.2	1.9	1.8									
					Bottom	6.4	0.3	55	26.5	26.5	7.9	7.9	19.4	19.4	59.1	59.2	4.3	9.2	7	90	89	<0.2	2.0	1.8								
						6.4	0.3	55	26.5	26.5	7.9	7.9	19.4	19.4	59.2	59.2	4.3	9.4	6	89	88	<0.2	2.0	1.8								
IM10	Cloudy	Moderate	10:37	6.8	Surface	1.0	0.6	101	27.6	27.6	8.0	8.0	7.7	7.7	86.5	86.5	6.5	7.8	8	86	87	822375	809802	<0.2	1.6	1.6						
						1.0	0.7	101	27.6	8.0	8.0	7.7	7.7	86.5	86.5	6.5	7.7	7	85	88	<0.2	1.6										
					Middle	3.4	0.5	95	27.3	27.3	8.0	8.0	11.6	11.6	81.6	81.6	6.1	6.8	7	87	88	<0.2	1.6	1.6								
						3.4	0.5	98	27.3	8.0	8.0	11.6	11.6	81.6	81.6	6.1	6.9	7	88	88	<0.2	1.6	1.6									
					Bottom	5.8	0.5	71	26.6	26.6	7.9	7.9	15.8	15.4	64.4	64.1	4.7	19.9	7	89	88	<0.2	1.5	1.5								
						5.8	0.5	77	26.5	26.5	7.9	7.9	15.0	15.0	63.7	64.7	4.7	20.0	7	88	88	<0.2	1.5	1.5								
IM11	Cloudy	Moderate	10:23	7.7	Surface	1.0	0.6	139	27.7	27.8	8.0	8.0	8.2	8.5	86.8	86.8	6.5	7.9	7	85	88	822067	811481	<0.2	1.6	1.6						
						1.0	0.7	142	27.8	8.0	8.0	8.7	8.6	86.8	86.8	6.5	7.9	7	86	87	<0.2	1.6	1.6									
					Middle	3.9	0.5	138	27.0	27.0	7.9	7.9	15.8	15.6	65.6	65.6	4.8	8.3	7	87	88	<0.2	1.6	1.6								
						3.9	0.5	141	27.0	7.9	7.9	15.4	15.6	65.6	65.6	4.8	8.3	7	89	89	<0.2	1.6	1.6									
					Bottom	6.7	0.2	162	25.8	25.8	7.9	7.9	25.3	25.3	48.4	48.4	3.4	9.6	6	90	89	<0.2	1.6	1.6								
						6.7	0.2	167	25.8	25.8	7.9	7.9	25.2	25.3	48.7	48.6	3.4	9.6	6	89	89	<0.2	1.6	1.6								
IM12	Cloudy	Moderate	10:15	8.7	Surface	1.0	0.5	130	27.7	27.8	8.0	8.0	8.2	8.2	84.5	84.4	6.3	8.8	5	86	88	821474	812049	<0.2	1.6	1.6						
						1.0	0.5	139	27.8	8.0	8.0	8.2	8.2	84.2	84.2	6.3	8.8	6	85	88	<0.2	1.6	1.6									
					Middle	4.4	0.5	118	26.8	26.8	7.9	7.9	15.8	15.8	61.6	61.6	4.5	9.9	6	87	88	<0.2	1.6	1.6								
						4.4	0.5	127	26.7	26.8	7.9	7.9	15.8	15.8	61.6	61.6	4.5	10.2	6	88	88	<0.2	1.6	1.6								
					Bottom	7.7	0.1	162	25.9	25.9	7.9	7.9	24.3	24.4	49.6	49.6	3.5	15.1	6	89	89	<0.2	1.7	1.7								
						7.7	0.1	167	25.9	25.9	7.9	7.9	24.4	24.4	49.5	49.6	3.5	14.6	7	90	89	<0.2	1.7	1.7								
SR1A	Cloudy	Moderate	09:57	5.0	Surface	1.0	-	-	27.7	27.7	8.1	8.1	9.3	9.3	97.8	97.7	7.3	5.8	6	-	-	819978	812654	-	-	-	-					
						1.0	-	-	27.7	8.1	8.1	9.3	9.3	97.6	97.6	7.3	5.8	6	-	-	-	-										
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.0	-	-	27.7	27.7	8.1	8.1	10.0	10.0	96.5	96.5	7.2	5.7	6	-	-	-	-	-	-	-	-	-	-			
						4.0	-	-	27.7	27.7	8.1	8.1	10.0	10.0	96.4	96.4	7.2	5.7	7	-	-	-	-	-	-	-	-	-	-			
SR2	Cloudy	Moderate	09:44	4.5	Surface	1.0	0.4	91	27.5	27.5	8.1	8.1	8.9	8.9	90.8	90.8	6.8	6.3	8	86	88	821484	814185	<0.2	1.6	1.6						
						1.0	0.4	95	27.5	8.1	8.1	8.9	8.9	90.8	90.8	6.8	6.3	8	85	88	<0.2	1.7	1.6									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.5	0.2	57	27.6	27.6	8.1	8.1	12.1	12.1	90.8	90.8	6.7	6.0	8	89	89	<0.2	1.6	1.6								
						3.5	0.2	57	27.6	27.6	8.1	8.1	12.1	12.1	90.8	90.8	6.7	6.0	7	90	89	<0.2	1.6	1.6								
SR3	Cloudy	Moderate	10:58	8.8	Surface	1.0	0.5	206	27.3	27.3	8.0	8.0	8.2	8.2	80.3	80.1	6.1	7.2	6	-	-	822159	807587	-	-	-	-					
						1.0	0.5	210	27.2	8.0	8.0	8.2	8.2	79.9	79.9	6.1	7.2	6	-	-	-	-										
					Middle	4.4	0.1	190	26.9	26.9	7.9	7.9	14.0	14.0	68.1	66.4	5.0	7.2	6	-	-	-	-	-	-	-	-	-				
						4.4	0.1	198	26.9	26.9	7.9	7.9	14.1	14.0	64.6	64.6	4.8	7.3	7	-	-	-	-	-	-	-	-	-				
					Bottom	7.8	0.2	346	26.2	26.2	7.8	7.8	22.4	22.4	59.0	59.1	4.2	12.7	6	-	-	-	-	-	-	-	-	-				
						7.8	0.2	318	26.2	26.2	7.8	7.8	22.4	22.4	59.2	59.1	4.2	12.7	7	-	-	-	-	-	-	-	-	-				
SR4A	Fine	Calm	09:44	9.2	Surface	1.0	0.0	268	27.6	27.6	8.1	8.0	13.0	13.0	89.9	88.5	6.6	7.3	9	-	-	817171	807823	-	-	-	-					
						1.0	0.0	287	27.6	27.6	8.0	8.0	12.9	13.0	87.0	88.5	6.4	7.8	8	-	-	-	-									
					Middle	4.6	0.2	57	25.6	25.6	7.7	7.7	26.6	26.6	45.6	45.7	3.2	9.6	8	-	-	-	-	-	-	-	-					
						4.6	0.3	60	25.6	25.6	7.7	7.7	26.6	26.6	45.8	45.7	3.2	9.3	7	-	-	-	-	-	-	-	-					
					Bottom	8.2	0.2	73	25.6	25.6	7.7	7.7	26.8	26.8	49.0	49.2	3.4	10.3	7	-	-	-	-	-	-	-	-	-				
						8.2	0.2	77	25.6	25.6	7.7	7.7	26.8	26.8	49.4	49.2	3.5	10.4	6	-	-	-	-	-	-	-	-	-				
SR5A	Fine	Calm	09:27	3.6	Surface	1.0	0.0	103	28.0	28.0	8.3	8.3	10.6	10.6	120.7	120.7	8.9	7.2	9	-	-	816612	810686	-	-	-	-					
						1.0	0.0	106	28.0	28.0	8.3	8.3	10.6	10.6	120.6	120.6	8.9	7.3	9	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	2.6	0.1	58	28.1	28.1	8.2	8.2	12.0	12.0	119.0	118.9	8.7	9.1	7	-	-	-	-	-	-	-	-	-				
						2.6	0.1	58	28.1	28.1	8.2	8.2	12.0	12.0	118.8	118.8	8.7	9.6	7	-	-	-	-	-	-	-	-	-				
SR6A	Fine	Calm	09:00	4.9	Surface	1.0	0.1	305	27.5	27.5	7.8	7.8	13.2	13.2	85.6	85.5	6.3	13.1	9	-	-	817976	814720	-	-	-	-					
						1.0	0.1	319	27.5	27.5	7.8	7.8	13.3	13.2	85.3	85.3	6.3	13.5	8	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.9	0.1	174	27.3	27.3	7.8	7.8	15.6	15.6	75.3	75.5	5.5	15.6	6	-	-	-	-	-	-	-	-	-				
						3.9	0.1	182	27.3	27.3	7.8	7.8	15.5	15.6	75.6	75.5	5.5	15.1	6	-	-	-	-	-	-	-	-	-				
SR7	Cloudy	Moderate																														

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

Water Quality Monitoring Results on 16 June 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	15:30	8.2	Surface	1.0	0.4	45	28.2	28.2	7.9	7.9	4.9	4.8	95.8	95.6	7.3	8.5	7	82	87	815600	804265	<0.2	1.7	1.6	1.7					
						1.0	0.4	45	28.2	28.2	7.9	7.9	4.6	4.8	95.4	95.6	7.3	8.5	8	82	87	815600	804265	<0.2	1.7	1.6	1.7					
						4.1	0.2	27	27.6	27.6	7.8	7.8	8.3	8.3	83.4	83.0	6.3	6.2	7	86	87	815600	804265	<0.2	1.7	1.6	1.7					
					4.1	0.3	28	27.6	27.6	7.8	7.8	8.3	8.3	82.6	82.6	6.2	6.3	7	87	87	815600	804265	<0.2	1.5	1.6	1.5						
					7.2	0.3	48	25.8	25.8	7.7	7.7	25.2	25.2	47.6	47.7	3.4	3.4	3.4	8.7	8	91	82	815600	804265	<0.2	1.6	1.6	1.6				
					7.2	0.3	52	25.8	25.8	7.7	7.7	25.2	25.2	47.7	47.7	3.4	3.4	3.4	8.5	7	92	82	815600	804265	<0.2	1.5	1.6	1.5				
C2	Cloudy	Moderate	14:27	11.2	Surface	1.0	0.5	151	27.6	27.6	7.8	7.8	6.3	6.2	79.9	79.7	6.1	15.3	6	85	88	825691	806966	<0.2	1.6	1.3	1.6					
						1.0	0.6	153	27.6	27.6	7.8	7.8	6.1	6.2	79.5	79.7	6.1	15.5	6	86	88	825691	806966	<0.2	1.6	1.3	1.6					
						5.6	0.2	149	26.0	26.0	7.8	7.8	21.5	21.5	47.3	47.3	3.4	8.9	6	87	88	825691	806966	<0.2	1.2	1.3	1.2					
					5.6	0.2	154	26.0	26.0	7.8	7.8	21.5	21.5	47.3	47.3	3.4	8.9	6	88	88	825691	806966	<0.2	1.2	1.3	1.2						
					10.2	0.1	280	25.8	25.8	7.8	7.8	24.7	24.7	46.5	46.5	3.3	7.1	6	89	89	825691	806966	<0.2	1.2	1.3	1.2						
					10.2	0.1	288	25.8	25.8	7.8	7.8	24.7	24.7	46.5	46.5	3.3	7.1	6	90	89	90	825691	806966	<0.2	1.2	1.3	1.2					
C3	Cloudy	Moderate	16:09	12.5	Surface	1.0	0.2	238	28.3	28.3	8.2	8.2	9.4	9.4	103.4	103.3	7.7	6.3	8	87	87	822097	817780	<0.2	1.2	1.2	1.2					
						1.0	0.2	247	28.3	28.3	8.2	8.2	9.4	9.4	103.2	103.2	7.6	6.3	7	85	87	822097	817780	<0.2	1.2	1.2	1.2					
						6.3	0.2	237	25.5	25.5	8.0	8.0	21.9	22.0	58.1	57.9	4.2	6.0	7	87	87	822097	817780	<0.2	1.3	1.4	1.3					
					6.3	0.2	238	25.4	25.4	8.0	8.0	22.0	22.0	57.6	57.6	4.2	6.3	7	87	87	822097	817780	<0.2	1.4	1.4	1.4						
					11.5	0.4	288	25.1	25.1	7.9	7.9	30.4	30.4	48.9	49.0	3.4	6.9	7	89	89	822097	817780	<0.2	1.1	1.1	1.1						
					11.5	0.4	291	25.1	25.1	7.9	7.9	30.4	30.4	49.0	49.0	3.4	6.9	7	89	89	822097	817780	<0.2	1.0	1.0	1.0						
IM1	Fine	Calm	15:07	4.5	Surface	1.0	0.2	333	28.6	28.6	8.2	8.2	6.4	6.4	115.8	116.0	8.7	6.7	7	85	86	817928	807115	<0.2	1.2	1.3	1.2					
						1.0	0.2	306	28.6	28.6	8.2	8.2	6.4	6.4	116.1	116.1	8.7	6.7	6	85	85	817928	807115	<0.2	1.3	1.3	1.3					
						-	-	-	-	-	-	-	-	-	-	-	-	-	6.8	6	-	-	86	817928	807115	<0.2	-	-	-			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	817928	807115	<0.2	-	-	-		
					3.5	0.2	277	28.6	28.6	8.2	8.2	8.1	8.2	116.0	115.9	8.6	8.6	6.9	6	87	87	817928	807115	<0.2	1.4	1.3	1.4					
					3.5	0.2	283	28.6	28.6	8.2	8.2	8.2	8.2	115.7	115.7	8.6	8.6	6.9	5	87	87	817928	807115	<0.2	1.3	1.3	1.3					
IM2	Fine	Moderate	15:00	6.8	Surface	1.0	0.5	22	28.5	28.5	8.1	8.1	5.0	5.0	108.5	108.3	8.2	6.8	6	85	88	818170	806176	<0.2	1.3	1.2	1.3					
						1.0	0.5	23	28.4	28.4	8.1	8.1	5.0	5.0	108.0	108.0	8.2	6.8	6	86	86	818170	806176	<0.2	1.2	1.2	1.2					
						3.4	0.5	348	28.0	28.0	8.0	8.0	7.8	7.8	97.2	97.1	7.3	7.1	5	88	88	818170	806176	<0.2	1.3	1.3	1.3					
					3.4	0.5	356	28.0	28.0	8.0	8.0	7.8	7.8	97.0	97.0	7.3	7.0	6	89	89	818170	806176	<0.2	1.2	1.2	1.2						
					5.8	0.5	322	25.9	25.9	7.8	7.8	26.5	26.6	50.3	48.4	3.7	8.1	6	89	89	818170	806176	<0.2	1.2	1.2	1.2						
					5.8	0.5	337	25.9	25.9	7.7	7.7	26.7	26.7	46.5	46.5	3.3	8.0	6	90	89	818170	806176	<0.2	1.1	1.1	1.1						
IM3	Fine	Moderate	14:52	6.9	Surface	1.0	0.7	333	28.3	28.3	7.9	7.9	8.4	8.4	95.5	95.4	7.1	6.1	6	82	84	818784	805606	<0.2	1.2	1.2	1.2					
						1.0	0.7	359	28.3	28.3	7.9	7.9	8.4	8.4	95.3	95.3	7.1	6.2	5	84	84	818784	805606	<0.2	1.2	1.2	1.2					
						3.5	0.6	307	27.4	27.4	7.9	7.9	12.9	12.9	79.0	78.4	5.8	9.9	6	89	89	818784	805606	<0.2	1.3	1.3	1.3					
					3.5	0.6	321	27.4	27.4	7.9	7.9	12.8	12.8	77.7	77.7	5.7	9.9	6	90	90	818784	805606	<0.2	1.2	1.2	1.2						
					5.9	0.4	265	25.5	25.5	7.7	7.7	27.3	27.3	42.2	42.2	3.0	8.9	5	91	91	818784	805606	<0.2	1.3	1.3	1.3						
					5.9	0.4	265	25.5	25.5	7.7	7.7	27.4	27.4	42.4	42.4	3.0	9.1	4	92	92	818784	805606	<0.2	1.2	1.2	1.2						
IM4	Fine	Moderate	14:44	7.4	Surface	1.0	0.7	284	27.8	27.8	7.9	7.9	10.8	10.8	91.6	91.4	6.8	6.6	6	82	86	819732	804588	<0.2	1.3	1.3	1.3					
						1.0	0.7	294	27.7	27.7	7.9	7.9	10.8	10.8	91.1	91.1	6.8	6.6	5	82	86	819732	804588	<0.2	1.3	1.3	1.3					
						3.7	0.6	291	27.5	27.5	7.9	7.9	12.1	12.1	87.2	86.9	6.4	7.0	6	86	86	819732	804588	<0.2	1.3	1.3	1.3					
					3.7	0.7	297	27.5	27.5	7.9	7.9	12.1	12.1	86.5	86.5	6.4	7.2	6	86	86	819732	804588	<0.2	1.3	1.3	1.3						
					6.4	0.4	322	25.6	25.6	7.7	7.7	26.3	26.2	47.3	47.8	3.3	9.7	6	91	91	819732	804588	<0.2	1.3	1.3	1.3						
					6.4	0.4	335	25.6	25.6	7.7	7.7	26.2	26.2	48.2	47.8	3.4	9.7	7	91	91	819732	804588	<0.2	1.2	1.2	1.2						
IM5	Fine	Moderate	14:38	7.2	Surface	1.0	0.2	276	28.1	28.1	7.7	7.7	7.9	7.9	85.9	85.8	6.4	6.8	5	83	83	820743	804890	<0.2	1.3	1.4	1.3					
						1.0	0.2	283	28.0	28.0	7.7	7.7	7.9	7.9	85.7	85.7	6.4	6.7	5	83	83	820743	804890	<0.2	1.4	1.4	1.4					
						3.6	0.3	285	27.4	27.4	7.7	7.7	10.3	10.3	75.5	75.3	5.6	6.3	5	86	86	820743	804890	<0.2	1.5	1.5	1.5					
					3.6	0.3	312	27.4	27.4	7.7	7.7	10.3	10.3	75.1	75.1	5.6	6.2	5	86	86	820743	804890	<0.2	1.5	1.5	1.5						
					6.2	0.2	326	25.8	25.8	7.7	7.7	24.5	24.3	47.8	48.0	3.4	8.0	5	90	90	820743	804890	<0.2	1.4	1.4	1.4						
					6.2	0.2	340	25.8	25.8	7.7	7.7	24.1	24.3	48.1	48.0	3.4	7.8	6	90	90	820743	804890	<0.2	1.3	1.3	1.3						
IM6	Fine	Moderate	14:31	6.9	Surface	1.0	0.5	242	27.8	27.8	7.7	7.7	7.4	7.4	84.8	84.6	6.4	7.4	5	84	84	821055	805829	<0.2	1.1	1.1	1.1					
						1.0	0.5	255	27.7	27.7	7.7	7.7	7.4	7.4	84.4	84.4	6.4	7.6	5	82	82	821055	805829	<0.2	1.1	1.1	1.1					
						3.5	0.5	258	27.4	27.4	7.7	7.7	11.8	11.7	74.8	74.7	5.5	8.2	5	87	87	821055	805829	<0.2	1.2	1.2	1.2					
					3.5	0.5	274	27.4	27.4	7.7	7.7	11.6																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 June 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)												
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA							
IM9	Cloudy	Moderate	14:55	7.3	Surface	1.0	0.2	195	27.8	27.7	7.9	7.9	5.0	5.0	92.3	92.4	7.1	7.1	8.7	6.7	5	6	85	88	88	822113	808806	<0.2	1.2	<0.2	1.1										
						1.0	0.2	196	27.6	27.4	7.9	7.9	5.0	5.0	92.4	92.4	7.1	7.1	8.7	6.7	4	6	86	88				<0.2	1.3												
						3.7	0.2	207	27.4	27.4	7.8	7.8	7.1	7.0	82.0	82.0	6.2	6.2	8.7	6.7	6	6	87	88				<0.2	1.1												
					Middle	3.7	0.2	220	27.4	27.4	7.8	7.8	7.0	7.0	82.0	82.0	6.2	6.2	8.8	6.7	6	6	88	88				<0.2	1.1												
						6.3	0.2	260	27.2	27.2	7.8	7.8	13.7	13.7	70.6	70.6	5.2	5.2	10.8	6.7	6	6	89	88				<0.2	1.0												
						6.3	0.2	271	27.2	27.2	7.8	7.8	13.7	13.7	70.6	70.6	5.2	5.2	10.8	6.7	7	6	90	88				<0.2	1.1												
					IM10	Cloudy	Moderate	15:02	7.2	Surface	1.0	0.0	175	27.7	27.7	7.9	7.9	5.5	5.4	83.7	83.7	6.4	6.3	10.6				6.3	6			6	84	85	87	822400	809778	<0.2	1.0	<0.2	1.2
											1.0	0.0	184	27.7	27.3	7.9	7.9	5.4	5.4	83.7	83.7	6.4	6.3	10.6				6.3	6			6	85	88				<0.2	1.1		
											3.6	0.1	1	27.3	27.3	7.9	7.9	8.0	8.0	81.9	81.9	6.2	6.2	10.7				6.3	5			6	87	88				<0.2	1.2		
Middle	3.6	0.1	1	27.2						27.3	7.9	7.9	8.1	8.1	81.5	81.5	6.2	6.2	10.6	6.3	6	6	88	88	<0.2	1.3															
	6.2	0.2	350	26.9						26.9	7.8	7.8	16.1	16.2	67.0	67.2	4.9	4.9	10.6	6.3	6	6	89	89	<0.2	1.1															
	6.2	0.2	322	26.9						26.9	7.8	7.8	16.2	16.2	67.4	67.4	4.9	4.9	10.6	6.3	5	6	90	89	<0.2	1.2															
IM11	Cloudy	Moderate	15:11	7.6						Surface	1.0	0.2	352	27.8	27.8	8.0	8.0	6.4	6.4	90.9	90.8	6.9	6.5	8.1	6.5	6	6	85	87	87	822066	811440	<0.2	1.1				<0.2	1.2		
											1.0	0.2	324	27.8	27.6	8.0	8.0	6.5	6.5	90.6	90.6	6.9	6.5	7.7	6.5	6	6	86	87				<0.2	1.1							
											3.8	0.3	326	27.6	27.6	8.0	8.0	10.5	10.4	80.5	80.4	6.0	6.0	7.8	6.5	6	6	87	87				<0.2	1.2							
					Middle	3.8	0.3	336	27.6	27.6	8.0	8.0	10.4	10.4	80.2	80.2	6.0	6.0	7.8	6.5	6	6	88	87	<0.2	1.2															
						6.6	0.6	285	26.3	26.3	7.9	7.9	21.7	21.7	59.1	59.1	4.2	4.2	8.2	4.2	6	6	87	87	<0.2	1.2															
						6.6	0.6	293	26.3	26.3	7.9	7.9	21.7	21.7	59.2	59.2	4.2	4.2	8.3	4.2	5	6	89	89	<0.2	1.2															
					IM12	Cloudy	Moderate	15:17	8.2	Surface	1.0	0.2	306	27.8	27.8	8.1	8.1	8.4	8.4	89.1	89.1	6.7	6.2	7.7	6.2	6	5	84	85				87	821456	812069	<0.2	1.1			<0.2	1.1
											1.0	0.2	334	27.8	27.3	8.1	8.1	8.4	8.4	89.1	89.1	6.7	6.2	7.5	6.2	5	5	85	87							<0.2	1.1				
											4.1	0.6	300	27.3	27.3	8.1	8.1	13.4	13.3	78.2	77.5	5.8	5.8	5.1	6.3	5	5	87	88							<0.2	1.2				
Middle	4.1	0.7	321	27.3						27.3	8.1	8.1	13.1	13.3	78.6	77.5	5.8	5.8	5.2	6.3	5	5	88	89	<0.2	1.1															
	7.2	0.3	306	25.8						25.8	7.9	7.9	24.1	24.0	53.4	53.5	3.8	3.8	6.0	3.8	5	5	89	89	<0.2	1.1															
	7.2	0.3	323	25.8						25.8	7.9	7.9	24.0	24.0	53.5	53.5	3.8	3.8	6.1	3.8	5	5	89	89	<0.2	1.2															
SR1A	Cloudy	Moderate	15:36	5.2						Surface	1.0	-	-	28.3	28.3	8.4	8.4	9.0	9.0	121.3	121.6	9.0	9.0	6.2	9.0	6	6	-	-	87	819980	812654				-	-	-	-		
											1.0	-	-	28.3	28.3	8.4	8.4	9.0	9.0	121.8	121.6	9.0	9.0	6.2	9.0	5	6	-	-							-	-				
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-				
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-					
						4.2	-	-	28.2	28.2	8.3	8.3	11.9	11.9	109.0	109.0	8.0	8.0	14.4	10.3	6	6	-	-	-	-	-	-	-				-	-	-	-					
						4.2	-	-	28.2	28.2	8.3	8.3	12.0	11.9	108.9	108.9	8.0	8.0	14.3	10.3	6	6	-	-	-	-	-	-	-				-	-	-	-					
					SR2	Cloudy	Moderate	15:49	4.4	Surface	1.0	0.1	165	27.8	27.8	8.1	8.1	7.0	7.0	91.6	91.5	6.9	6.9	8.8	6.9	6	6	87	86				87	821439	814149	<0.2	1.1			<0.2	1.2
											1.0	0.1	165	27.8	27.8	8.1	8.1	7.0	7.0	91.4	91.4	6.9	6.9	8.9	6.9	6	6	86	86							<0.2	1.2				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-				
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-					
	3.4	0.0	45	27.3						27.3	8.0	8.0	15.0	15.0	77.9	77.6	5.6	5.6	11.1	10.0	6	6	88	88	<0.2	1.3															
	3.4	0.0	45	27.3						27.3	8.0	8.0	15.0	15.0	77.3	77.3	5.6	5.6	11.2	10.0	6	6	88	88	<0.2	1.1															
SR3	Cloudy	Moderate	14:44	8.1						Surface	1.0	0.4	308	28.3	28.3	8.0	8.0	7.3	7.2	81.3	81.0	6.1	6.1	6.9	6.1	5	5	-	-	87	822170	807588				-	-	-	-		
											1.0	0.4	311	28.2	28.3	8.0	8.0	7.2	7.2	80.7	81.0	6.1	6.1	6.8	6.1	4	5	-	-							-	-				
											4.1	0.2	296	26.9	26.9	7.8	7.8	14.3	14.3	65.2	65.3	4.8	4.8	6.6	6.4	5	5	-	-							-	-				
					Middle	4.1	0.2	313	26.8	26.9	7.8	7.8	14.3	14.3	65.3	65.3	4.8	4.8	6.6	6.4	5	5	-	-	-	-	-	-	-				-	-	-						
						7.1	0.1	236	26.4	26.4	7.8	7.8	20.2	20.2	61.4	61.5	4.4	4.4	5.8	4.4	5	5	-	-	-	-	-	-	-				-	-							
						7.1	0.2	250	26.4	26.4	7.8	7.8	20.2	20.2	61.6	61.6	4.4	4.4	5.6	4.4	6	6	-	-	-	-	-	-	-				-	-							
					SR4A	Fine	Calm	15:48	9.6	Surface	1.0	0.1	28	28.8	28.8	8.4	8.4	8.8	8.9	138.0	137.9	10.2	10.2	7.9	9.6	8	7	-	-				87	817201	807825	-	-			-	-
											1.0	0.1	28	28.7	28.8	8.5	8.4	8.9	8.9	137.7	137.7	10.1	10.1	7.9	9.6	8	7	-	-							-	-				
											4.8	0.3	258	28.2	28.2	8.3	8.3	12.5	12.5	127.2	124.6	9.3	9.3	8.1	9.6	8	7	-	-							-	-				
Middle	4.8	0.3	277	28.2						28.2	8.3	8.3	12.5	12.5	121.9	124.6	9.3	9.3	8.1	9.6	8	7	-	-	-	-	-	-	-	-	-										
	8.6	0.3	241	26.0						26.0	7.8	7.8	24.8	24.9	57.1	59.7	4.0	4.2	9.7	4.2	6	6	-	-	-	-	-	-	-	-											
	8.6	0.3	246	26.0						26.0	7.8	7.8	24.9	24.9	62.2	59.7	4.4	4.2	9.6	4.2	7	6	-	-	-	-	-	-	-	-											
SR5A	Fine	Calm	16:04	4.0						Surface	1.0	0.2	251	28.2	28.2	8.5	8.5	11.9	11.8	146.6	145.8	10.7	10.7	6.9	10.7	11	10	-	-	87	816586	810679				-	-	-	-		
											1.0	0.2	253	28.2	28.2	8.5	8.5	11.8	11.8	144.9	144.9	10.6	10.6	7.0	10.7	11	10	-	-							-	-				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-						
						3.0	0.1	290	28.1	28.1	8.4	8.4	13.1	13.1	130.2	130.2	9.5	9.5	7.2																						

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	12:11	7.3	Surface	1.0	0.3	127	28.6	28.6	7.9	7.9	7.2	7.2	96.5	96.4	7.2	5.5	5	83	88	822087	808813	<0.2	0.8	0.8						
						1.0	0.3	128	28.5	28.5	7.9	7.9	7.3	7.3	96.3	96.2	7.2	5.5	4	82	85	82	<0.2	0.8								
						3.7	0.3	146	27.8	27.8	7.7	7.7	10.0	10.0	84.6	84.6	6.3	4.7	4	90	85	90	<0.2	0.8								
					3.7	0.3	153	27.8	27.8	7.7	7.7	9.9	9.9	84.6	84.6	6.3	4.7	5	90	85	90	<0.2	0.8									
					6.3	0.2	74	27.4	27.4	7.7	7.7	12.2	12.4	74.7	74.5	5.5	5.0	5	91	85	91	<0.2	0.8									
					6.3	0.2	77	27.4	27.4	7.7	7.7	12.6	12.4	74.2	74.2	5.5	5.1	5	91	85	91	<0.2	0.8									
IM10	Fine	Moderate	12:01	7.4	Surface	1.0	0.7	144	28.4	28.4	7.8	7.8	8.0	8.0	91.6	91.5	6.8	5.2	6	81	85	822362	809803	<0.2	0.9	0.9						
						1.0	0.7	147	28.3	28.3	7.8	7.8	8.0	8.0	91.4	91.2	6.8	5.1	6	82	85	82	<0.2	0.9								
						3.7	0.6	132	27.7	27.7	7.7	7.7	10.5	10.5	80.5	80.4	6.0	4.5	6	85	85	85	<0.2	0.9								
					3.7	0.6	140	27.6	27.6	7.7	7.7	10.6	10.6	80.2	80.2	6.0	4.5	6	85	85	85	<0.2	1.0									
					6.4	0.6	108	27.0	27.0	7.7	7.7	17.0	17.0	67.2	67.5	4.9	9.2	5	89	85	89	<0.2	0.9									
					6.4	0.6	113	27.0	27.0	7.7	7.7	17.0	17.0	67.8	67.8	4.9	9.2	5	89	85	89	<0.2	1.0									
IM11	Fine	Moderate	11:45	7.6	Surface	1.0	0.8	95	28.2	28.2	7.8	7.8	8.8	8.8	88.3	88.3	6.6	5.1	5	81	85	822034	811442	<0.2	1.2	1.0						
						1.0	0.8	103	28.2	28.2	7.8	7.8	8.8	8.8	88.2	88.2	6.6	5.1	5	82	85	82	<0.2	1.0								
						3.8	0.8	92	27.7	27.7	7.8	7.8	11.4	11.4	79.7	79.5	5.9	4.6	6	84	85	84	<0.2	1.0								
					3.8	0.8	95	27.6	27.6	7.8	7.8	11.5	11.5	79.3	79.3	5.9	5.0	5	85	85	85	<0.2	1.0									
					6.6	0.4	74	26.4	26.4	7.7	7.7	21.1	21.2	62.7	62.7	4.5	7.9	4	89	85	89	<0.2	0.9									
					6.6	0.4	79	26.4	26.4	7.7	7.7	21.2	21.2	62.7	62.7	4.8	7.9	4	90	85	90	<0.2	0.8									
IM12	Fine	Moderate	11:36	9.9	Surface	1.0	0.6	94	28.2	28.2	7.8	7.8	9.6	9.6	86.1	85.9	6.4	5.1	6	80	85	821474	812050	<0.2	1.0	1.0						
						1.0	0.6	96	28.1	28.1	7.8	7.8	9.7	9.6	85.7	85.4	6.4	5.4	5	81	85	81	<0.2	1.1								
						5.0	0.3	63	27.2	27.2	7.7	7.7	14.5	14.3	71.2	71.2	5.2	7.5	6	84	85	84	<0.2	0.9								
					5.0	0.4	66	27.1	27.1	7.7	7.7	14.1	14.1	71.2	71.2	5.2	8.1	5	84	85	84	<0.2	1.0									
					8.9	0.4	99	26.3	26.3	7.7	7.7	21.9	21.9	59.1	59.5	4.2	12.8	5	89	85	89	<0.2	1.0									
					8.9	0.4	104	26.3	26.3	7.7	7.7	22.0	21.9	59.8	59.5	4.3	12.7	4	89	85	89	<0.2	1.0									
SR1A	Fine	Calm	11:15	4.7	Surface	1.0	-	-	28.3	28.3	7.9	7.9	10.1	10.1	96.6	96.6	7.1	4.0	6	-	819982	812659	-	-	-	-	-	-				
						1.0	-	-	28.3	28.3	7.9	7.9	10.2	10.1	96.6	96.6	7.1	3.9	5	-	-	-	-	-	-	-	-	-	-			
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					3.7	-	-	28.1	28.1	7.9	7.9	11.1	11.1	94.8	94.9	7.0	3.7	7	-	-	-	-	-	-	-	-	-	-	-			
					3.7	-	-	28.0	28.0	7.9	7.9	11.2	11.1	95.0	94.9	7.0	3.8	6	-	-	-	-	-	-	-	-	-	-	-	-		
SR2	Fine	Moderate	11:00	5.0	Surface	1.0	0.4	91	28.2	28.2	7.8	7.8	8.5	8.6	94.3	94.1	7.0	4.7	4	81	85	821455	814169	<0.2	1.0	1.1						
						1.0	0.4	93	28.1	28.1	7.8	7.8	8.6	8.6	93.9	93.9	7.0	4.8	4	81	85	81	<0.2	1.2								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-		
					4.0	0.2	45	27.7	27.8	7.8	7.8	12.1	12.1	84.3	84.5	6.2	5.3	5	84	85	84	<0.2	1.0									
					4.0	0.2	48	27.8	27.8	7.8	7.8	12.1	12.1	84.7	84.5	6.2	5.3	5	84	85	84	<0.2	1.0									
					4.0	0.2	48	27.8	27.8	7.8	7.8	12.1	12.1	84.7	84.5	6.2	5.3	5	84	85	84	<0.2	1.0									
SR3	Fine	Moderate	12:25	8.8	Surface	1.0	0.2	212	28.4	28.4	7.8	7.8	7.7	7.7	92.9	92.7	6.9	5.5	5	-	822131	807590	-	-	-	-	-					
						1.0	0.3	222	28.4	28.4	7.8	7.8	7.7	7.7	92.4	92.4	6.9	5.4	6	-	-	-	-	-	-	-	-	-				
						4.4	0.3	215	27.4	27.4	7.7	7.7	11.8	11.8	74.3	74.1	5.5	4.5	5	-	-	-	-	-	-	-	-	-				
					4.4	0.3	223	27.3	27.3	7.7	7.7	11.9	11.8	73.9	73.9	5.5	4.5	4	-	-	-	-	-	-	-	-	-	-				
					7.8	0.3	227	26.4	26.4	7.6	7.6	21.3	21.3	55.6	55.9	4.0	11.4	4	-	-	-	-	-	-	-	-	-	-				
					7.8	0.3	230	26.4	26.4	7.6	7.6	21.3	21.3	56.1	55.9	4.0	11.4	5	-	-	-	-	-	-	-	-	-	-				
SR4A	Fine	Calm	11:20	9.4	Surface	1.0	0.1	277	28.7	28.7	8.0	8.0	5.6	5.6	95.7	95.7	7.2	6.3	6	-	817185	807814	-	-	-	-	-					
						1.0	0.1	304	28.7	28.7	8.0	8.0	5.6	5.6	95.6	95.6	7.2	6.3	6	-	-	-	-	-	-	-	-	-				
						4.7	0.1	275	25.8	25.8	8.0	8.0	25.1	25.0	40.3	40.3	2.9	8.6	6	-	-	-	-	-	-	-	-	-				
					4.7	0.1	281	25.8	25.8	8.0	8.0	25.0	25.0	40.3	40.3	2.9	8.5	7	-	-	-	-	-	-	-	-	-	-				
					8.4	0.0	120	25.5	25.5	8.1	8.1	27.3	27.3	40.0	40.2	2.8	12.4	6	-	-	-	-	-	-	-	-	-	-				
					8.4	0.0	123	25.5	25.5	8.1	8.1	27.3	27.3	40.4	40.4	2.8	12.4	7	-	-	-	-	-	-	-	-	-	-				
SR5A	Fine	Calm	11:02	3.8	Surface	1.0	0.1	211	28.8	28.8	8.1	8.1	8.1	8.1	113.5	113.4	8.4	6.9	6	-	816600	810702	-	-	-	-	-					
						1.0	0.1	222	28.8	28.8	8.1	8.1	8.1	8.1	113.3	113.4	8.4	6.9	7	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					2.8	0.0	195	28.2	28.2	8.1	8.1	14.8	14.8	98.8	98.9	7.1	8.1	7	-	-	-	-	-	-	-	-	-					
					2.8	0.0	196	28.1	28.1	8.1	8.1	14.7	14.8	99.0	98.9	7.1	8.2	8	-	-	-	-	-	-	-	-	-	-				
					2.8	0.0	196	28.1	28.1	8.1	8.1	14.7	14.8	99.0	98.9	7.1	8.2	8	-	-	-	-	-	-	-	-	-	-				
SR6A	Fine	Calm	10:29	4.1	Surface	1.0	0.3	29	27.7	27.7	8.1	8.1	13.9	13.9	75.8	75.8	5.5	12.6	14	-	817958	814727	-	-	-	-	-					
						1.0	0.3	30	27.7	27.7	8.1	8.1	13.9	13.9	75.7	75.7	5.5	12.7	14	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					3.1	0.1	185	27.2	27.2	8.0	8.0	16.8	16.8	68.6	68.7	5.0	13.8	13	-	-	-	-	-	-	-	-	-					
					3.1	0.1	193	27.2	27.2	8.0	8.0	16.7	16.8	68.7	68.7	5.0	13.8															

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	17:38	8.0	Surface	1.0	0.7	27	28.9	28.9	8.1	8.1	6.1	6.1	102.7	102.7	7.7	7.7	8.4	10	84	84	84	84	87	815605	804259	<0.2	0.7	<0.2	0.7			
						1.0	0.7	29	28.9	8.1	8.1	6.1	6.1	102.6	102.6	7.7	7.2	8.4	9	84	84	84	84											
						4.0	0.5	32	28.2	28.2	8.0	8.0	9.5	9.2	88.5	88.5	6.6	6.6	7.7	10	87	87	87	87										
					4.0	0.6	32	28.2	28.2	8.0	8.0	9.0	9.0	88.6	88.6	6.6	6.6	7.7	9	87	87	87	87											
					7.0	0.2	43	27.1	27.1	8.0	8.0	15.8	16.0	65.7	65.7	4.8	4.8	12.8	8	90	90	90	90											
					7.0	0.2	46	27.1	27.1	8.0	8.0	16.1	16.0	65.9	65.9	4.8	4.8	12.5	8	89	89	89	89											
C2	Fine	Moderate	16:18	11.1	Surface	1.0	0.7	151	28.5	28.5	7.8	7.8	3.7	3.7	90.4	90.4	6.9	6.9	12.9	11	86	86	86	86	89	825671	806962	<0.2	1.1	<0.2	1.1			
						1.0	0.7	151	28.5	28.5	7.8	7.8	3.7	3.7	90.2	90.2	6.9	6.9	13.0	11	87	87	87	87										
						5.6	0.4	136	26.6	26.6	7.7	7.7	18.6	18.6	57.5	57.5	4.2	4.2	9.3	10	90	90	90	90										
					5.6	0.4	143	26.5	26.5	7.7	7.7	18.7	18.7	57.2	57.2	4.1	4.1	9.2	10	90	90	90	90											
					10.1	0.3	328	26.2	26.3	7.7	7.7	22.5	22.5	57.9	57.9	4.1	4.1	15.1	11	91	91	91	91											
					10.1	0.3	341	26.3	26.3	7.7	7.7	22.5	22.5	58.6	58.6	4.2	4.2	15.2	12	91	91	91	91											
C3	Fine	Moderate	18:15	11.1	Surface	1.0	0.2	209	28.5	28.5	7.9	7.9	9.9	9.9	93.2	93.1	6.9	6.9	4.2	4	87	87	87	87	89	822115	817783	<0.2	1.1	<0.2	1.0			
						1.0	0.2	209	28.5	28.5	7.9	7.9	9.9	9.9	93.0	93.0	6.8	6.8	4.2	6	87	87	87	87										
						5.6	0.3	238	26.4	26.4	7.7	7.7	21.3	21.3	56.6	56.6	4.0	4.0	3.5	4	90	90	90	90										
					5.6	0.3	258	26.4	26.4	7.7	7.7	21.3	21.3	56.5	56.5	4.0	4.0	3.5	5	90	90	90	90											
					10.1	0.3	274	25.2	25.2	7.7	7.7	28.6	28.6	49.7	49.7	3.5	3.5	11.6	4	91	91	91	91											
					10.1	0.3	288	25.2	25.2	7.7	7.7	28.6	28.6	50.5	50.5	3.5	3.5	11.3	4	91	91	91	91											
IM1	Fine	Moderate	17:10	4.3	Surface	1.0	0.0	1	29.0	29.0	8.0	8.0	6.0	6.0	111.6	111.6	8.3	8.3	8.5	9	88	88	88	88	88	817940	807152	<0.2	0.8	<0.2	0.8			
						1.0	0.0	1	29.0	29.0	8.0	8.0	6.0	6.0	111.6	111.6	8.3	8.3	8.5	8	87	87	87	87										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
					3.3	0.1	208	29.0	29.0	8.0	8.0	6.3	6.3	111.3	111.3	8.3	8.3	7.6	9	89	89	89	89											
					3.3	0.1	211	29.0	29.0	8.0	8.0	6.3	6.3	111.2	111.2	8.3	8.3	7.6	9	89	89	89	89											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
IM2	Fine	Moderate	17:03	6.4	Surface	1.0	0.6	336	28.8	28.8	8.1	8.1	6.0	6.0	102.1	102.1	7.6	7.6	10.0	8	86	86	86	86	88	818165	806171	<0.2	0.8	<0.2	0.8			
						1.0	0.6	309	28.7	28.7	8.1	8.1	6.0	6.0	102.1	102.1	7.6	7.5	10.2	8	85	85	85	85										
						3.2	0.5	318	28.6	28.6	8.1	8.1	6.8	6.8	98.4	98.4	7.3	7.3	12.5	8	88	88	88	88										
					3.2	0.6	348	28.6	28.6	8.1	8.1	6.8	6.8	98.3	98.3	7.3	7.3	12.5	8	88	88	88	88											
					5.4	0.5	304	26.7	26.7	8.0	8.0	21.7	22.9	48.8	48.8	3.4	3.4	14.0	8	91	91	91	91											
					5.4	0.6	304	26.7	26.7	8.0	8.0	24.1	22.9	48.5	48.5	3.4	3.4	14.2	8	90	90	90	90											
IM3	Fine	Moderate	16:55	6.6	Surface	1.0	0.7	307	28.7	28.7	8.1	8.1	6.4	6.4	103.8	103.8	7.7	7.7	8.4	5	85	85	85	85	89	818768	805580	<0.2	0.8	<0.2	0.8			
						1.0	0.7	314	28.7	28.7	8.1	8.1	6.4	6.4	103.7	103.7	7.7	7.7	8.4	6	86	86	86	86										
						3.3	0.6	292	28.8	28.8	8.1	8.1	6.8	6.8	103.3	103.2	7.7	7.7	8.4	6	86	86	86	86										
					3.3	0.7	303	28.8	28.8	8.1	8.1	6.8	6.8	103.1	103.1	7.7	7.7	8.5	5	89	89	89	89											
					5.6	0.5	278	25.8	25.8	8.0	8.0	26.9	26.6	54.5	54.5	3.8	3.8	11.4	6	91	91	91	91											
					5.6	0.5	298	25.9	25.9	8.0	8.0	26.5	26.6	54.4	54.4	3.8	3.8	11.0	6	91	91	91	91											
IM4	Fine	Moderate	16:43	7.4	Surface	1.0	0.6	305	28.9	28.9	8.1	8.1	6.6	6.6	104.4	104.4	7.8	7.8	7.5	6	85	85	85	85	88	819741	804620	<0.2	0.8	<0.2	0.8			
						1.0	0.7	312	28.9	28.9	8.1	8.1	6.6	6.6	104.4	104.4	7.8	7.5	7.5	5	85	85	85	85										
						3.7	0.5	296	28.7	28.7	8.1	8.1	7.1	7.1	97.6	97.5	7.3	7.4	7.4	5	88	88	88	88										
					3.7	0.6	296	28.7	28.7	8.1	8.1	7.1	7.1	97.4	97.5	7.2	7.4	7.4	6	88	88	88	88											
					6.4	0.1	298	25.6	25.6	8.0	8.0	26.3	26.3	48.7	48.8	3.4	3.4	9.8	6	90	90	90	90											
					6.4	0.1	300	25.6	25.6	8.0	8.0	26.3	26.3	48.9	48.9	3.4	3.4	9.6	6	91	91	91	91											
IM5	Fine	Moderate	16:33	6.7	Surface	1.0	0.5	295	28.9	28.9	8.1	8.1	7.0	7.0	103.1	103.1	7.7	7.7	7.0	6	84	84	84	84	88	820757	804852	<0.2	1.0	<0.2	1.0			
						1.0	0.5	311	28.9	28.9	8.1	8.1	7.0	7.0	103.1	103.1	7.6	7.6	7.0	6	85	85	85	85										
						3.4	0.5	283	28.8	28.8	8.0	8.0	7.1	7.1	101.0	101.1	7.5	7.6	6.9	6	88	88	88	88										
					3.4	0.6	306	28.8	28.8	8.0	8.0	7.1	7.1	101.1	101.1	7.5	7.5	6.9	6	88	88	88	88											
					5.7	0.4	259	27.5	27.5	8.1	8.1	12.5	12.4	76.3	76.3	5.6	5.6	9.6	6	90	90	90	90											
					5.7	0.4	261	27.5	27.5	8.1	8.1	12.4	12.4	76.2	76.2	5.6	5.6	9.7	6	90	90	90	90											
IM6	Fine	Moderate	16:24	6.5	Surface	1.0	0.8	289	28.6	28.6	8.1	8.1	7.3	7.3	93.2	93.2	6.9	6.9	8.1	6	85	85	85	85	88	821044	805848	<0.2	1.3	<0.2	1.2			
						1.0	0.8	313	28.6	28.6	8.1	8.1	7.3	7.3	93.1	93.1	6.9	6.9	8.1	6	85	85	85	85										
						3.3	0.5	280	27.5	27.5	8.1	8.1	11.3	11.3	76.8	76.8	5.7	5.7	11.5	6	88	88	88	88										
					3.3	0.5	281	27.5	27.5	8.1	8.1	11.3	11.3	76.8	76.8	5.7	5.7	11.7	7	88	88	88	88											
					5.5	0.3	271	27.3	27.3	8.1	8.1	13.5	13.5	72.4	72.5	5.3	5.3	14.4	7	90	90	90	90											
					5.5	0.3	283	27.3	27.3	8.1	8.1	13.5	13.5	72.5	72.5	5.3	5.3	14.5	8	90	90	90	90											
IM7	Fine	Moderate	16:18	7.9	Surface	1.0	0.6	253	28.5	28.5	8.1	8.1	5.2	5.2	92.7	92.7	7.0	7.0	9.3	7	85	85	85	85	88	821353	806827	<0.2	1.2	<0.2	1.1			
						1.0	0.6	272	28.4	28.4	8.2	8.2	5.2	5.2	92.6	92.7	7.0	7.0	9.3	6	84	84	84	84										
						4.0	0.6	273	27.7	27.7	8.1	8.1	10.8	10.8	79.9	79.9	5.9	5.9	7.7	7	88	88	88	88										
					4.																													

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

Water Quality Monitoring Results on 20 June 20 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							
C1	Fine	Moderate	19:09	8.2	Surface	1.0	0.6	30	28.8	28.8	8.1	8.1	11.4	11.4	86.9	86.7	6.3	6.3	9.0	9.0	4	4	85	85			<0.2	1.0											
						1.0	0.6	30	28.8	8.1	8.1	11.5	11.5	86.5	86.7	6.3	6.3	9.0	9.0	6	6	84	84			<0.2	0.9												
						4.1	0.4	13	27.6	27.6	7.9	7.9	17.0	16.7	67.6	67.5	4.8	4.8	12.8	12.9	6	6	88	87			<0.2	0.8											
					C2	Cloudy	Moderate	17:47	11.2	Surface	1.0	0.7	154	29.2	29.3	7.8	7.8	7.5	7.3	86.6	86.7	6.3	6.3	10.3	10.7	6	6	85	86			<0.2	1.2						
											1.0	0.7	164	29.3	29.3	7.8	7.8	7.2	7.2	86.7	86.7	6.4	6.4	10.7	10.7	5	5	86	88			<0.2	1.1						
											5.6	0.4	138	26.9	26.9	7.6	7.6	18.2	18.2	56.0	56.0	4.0	4.0	12.5	12.6	5	5	88	87			<0.2	1.2						
										C3	Cloudy	Moderate	19:27	12.2	Surface	1.0	0.2	205	28.2	28.2	7.9	7.9	15.2	15.2	82.5	82.3	5.9	5.9	3.2	3.3	4	4	86	86			<0.2	1.2	
																1.0	0.2	211	28.2	28.2	7.9	7.9	15.2	15.2	82.0	82.0	5.9	5.9	3.3	3.3	4	4	86	88			<0.2	1.0	
																6.1	0.3	235	26.1	26.1	7.7	7.7	23.6	23.7	57.2	57.1	4.1	4.1	5.6	5.7	4	4	88	89			<0.2	1.2	
IM1	Fine	Moderate	18:45	4.1											Surface	1.0	0.0	1	29.2	29.2	8.1	8.1	12.4	12.4	100.8	100.8	7.2	7.2	6.2	6.4	4	4	86	86			<0.2	0.8	
																1.0	0.0	1	29.2	29.2	8.1	8.1	12.4	12.4	100.8	100.8	7.2	7.2	6.4	6.4	5	5	86	86			<0.2	0.9	
																-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					IM2	Fine	Moderate	18:36	6.2						Surface	1.0	0.1	58	28.5	28.5	8.1	8.0	15.5	15.5	86.2	86.1	6.1	6.1	8.3	8.4	7	7	86	85			<0.2	0.9	
																1.0	0.1	61	28.5	28.5	8.0	8.0	15.5	15.5	86.0	86.0	6.1	6.1	8.4	8.4	8	8	85	88			<0.2	0.8	
																3.1	0.6	345	28.0	28.0	8.0	8.0	16.2	16.2	77.0	77.0	5.5	5.5	11.9	11.8	7	7	88	89			<0.2	1.0	
										IM3	Fine	Moderate	18:27	6.5	Surface	1.0	0.7	315	28.2	28.2	8.0	8.0	16.1	16.1	79.8	79.8	5.7	5.7	10.2	10.2	6	6	85	85			<0.2	0.9	
																1.0	0.8	343	28.2	28.2	8.0	8.0	16.0	16.0	79.7	79.7	5.7	5.7	10.2	10.2	6	6	85	88			<0.2	1.0	
																3.3	0.7	324	27.7	27.7	8.0	8.0	18.0	18.0	71.4	71.4	5.1	5.1	12.1	12.3	7	7	88	90			<0.2	0.9	
IM4	Fine	Moderate	18:15	7.2											Surface	1.0	0.6	317	28.9	28.9	8.1	8.1	13.1	13.1	94.5	94.5	6.8	6.8	6.6	6.6	5	5	85	85			<0.2	1.2	
																1.0	0.7	344	28.9	28.9	8.1	8.1	13.1	13.1	94.4	94.4	6.8	6.8	6.6	6.6	6	6	85	88			<0.2	1.2	
																3.6	0.5	324	28.6	28.6	8.1	8.1	14.3	14.3	87.2	87.2	6.2	6.2	6.5	6.5	4	4	88	88			<0.2	1.0	
					IM5	Fine	Moderate	18:06	6.5						Surface	1.0	0.4	308	29.2	29.2	8.1	8.1	8.2	8.2	95.7	95.8	7.0	7.0	7.7	7.8	6	6	85	85			<0.2	1.3	
																1.0	0.4	323	29.2	29.2	8.1	8.1	8.2	8.2	95.8	95.8	7.0	7.0	7.8	7.8	6	6	85	88			<0.2	1.2	
																3.3	0.4	325	29.2	29.2	8.0	8.0	11.1	11.1	96.0	95.9	6.9	6.9	8.3	8.3	5	5	88	90			<0.2	1.4	
										IM6	Fine	Moderate	17:55	6.2	Surface	1.0	0.7	271	29.0	29.0	7.9	7.9	8.3	8.3	91.5	91.5	6.7	6.7	7.8	7.9	5	5	85	85			<0.2	1.3	
																1.0	0.8	278	29.0	29.0	7.9	7.9	8.3	8.3	91.4	91.4	6.7	6.7	7.9	7.9	6	6	85	87			<0.2	1.2	
																3.1	0.5	274	28.6	28.6	7.9	7.9	10.2	10.1	85.9	85.9	6.3	6.3	8.2	8.2	6	6	87	88			<0.2	1.3	
IM7	Fine	Moderate	17:48	7.5											Surface	1.0	0.6	247	29.2	29.2	8.0	8.0	6.5	6.5	94.4	94.4	7.0	7.0	7.9	7.9	5	5	85	84			<0.2	1.2	
																1.0	0.6	262	29.2	29.2	8.0	8.0	6.5	6.5	94.4	94.4	7.0	7.0	7.9	7.9	4	4	84	87			<0.2	1.3	
																3.8	0.5	263	29.2	29.2	8.0	8.0	8.4	8.4	95.0	94.9	7.0	7.0	7.8	7.7	5	5	87	88			<0.2	1.3	
					IM8	Cloudy	Moderate	18:06	6.6						Surface	1.0	0.3	230	29.3	29.3	7.8	7.8	6.5	6.5	95.1	95.1	7.0	7.0	7.5	7.5	4	4	86	86			<0.2	1.1	
																1.0	0.3	237	29.3	29.3	7.8	7.8	6.5	6.5	95.0	95.0	7.0	7.0	7.5	7.5	3	3	86	88			<0.2	1.1	
																3.3	0.3	246	29.0	29.0	7.8	7.8	8.4	8.4	90.0	89.9	6.6	6.6	8.6	8.6	4	4	88	89			<0.2	1.3	
										IM8	Cloudy	Moderate	18:06	6.6	Middle	3.3	0.4	257	28.9	28.9	7.8	7.8	8.5	8.4	89.7	89.6	6.6	6.6	9.7	9.7	4	4	89	90			<0.2	1.2	
																5.6	0.3	244	28.0	28.1	7.7	7.7	14.1	14.1	74.3	74.3	5.4	5.4	13.0	13.0	5	5	90	90			<0.2	1.1	
																5.6	0.3	260	28.1	28.1	7.7	7.7	14.1	14.1	74.9	74.6	5.4	5.4	12.1	12.1	4	4	90	90			<0.2	1.2	

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 25 June 20 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	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	14:43	7.5	Surface	1.0	0.2	82	28.6	28.6	7.8	7.8	17.1	17.1	90.7	90.7	6.4	6.4	2.5	3	80	84	822083	808809	<0.2	0.9	<0.2	0.9						
						3.0	0.3	82	28.6	28.6	7.8	7.8	17.1	17.1	90.7	90.7	6.4	6.4	2.5	4	80	84	822083	808809	<0.2	0.9	<0.2	0.9						
						1.8	0.4	117	28.4	28.4	7.8	7.8	17.4	17.4	87.5	87.5	6.2	2.9	5	84	84	822083	808809	<0.2	0.9	<0.2	0.9							
					Bottom	6.5	0.3	99	27.4	27.4	7.7	7.7	20.4	20.4	67.7	67.7	4.8	4.8	12.6	4	88	88	822083	808809	<0.2	0.9	<0.2	0.9						
						1.0	0.7	100	28.5	28.5	7.8	7.8	17.2	17.2	90.8	90.8	6.4	6.4	2.4	5	80	80	822083	808809	<0.2	0.9	<0.2	0.9						
						3.7	0.7	108	27.7	27.7	7.7	7.7	18.9	18.7	76.8	76.8	5.5	9.6	5	85	85	822083	808809	<0.2	0.9	<0.2	0.9							
IM10	Sunny	Moderate	14:50	7.3	Surface	1.0	0.7	106	28.5	28.5	7.8	7.8	17.2	17.2	90.7	90.7	6.4	5.9	2.7	5	79	84	822380	809803	<0.2	0.9	<0.2	0.9						
						3.7	0.7	108	27.7	27.7	7.7	7.7	18.9	18.7	76.8	76.8	5.5	9.6	5	85	85	822380	809803	<0.2	0.9	<0.2	0.9							
						6.3	0.4	99	27.4	27.4	7.7	7.7	20.5	20.5	68.4	68.4	4.8	13.5	6	88	88	822380	809803	<0.2	0.9	<0.2	0.9							
					Bottom	6.3	0.4	101	27.4	27.4	7.7	7.7	20.5	20.5	68.4	68.4	4.8	13.5	5	88	88	822380	809803	<0.2	0.9	<0.2	0.9							
						1.0	0.8	95	28.5	28.5	7.9	7.9	17.4	17.4	90.2	90.2	6.4	2.4	5	81	81	822380	809803	<0.2	0.9	<0.2	0.9							
						4.5	0.8	97	27.7	27.7	7.8	7.8	19.4	19.4	74.9	74.9	5.3	5.5	4	84	84	822380	809803	<0.2	0.9	<0.2	0.9							
IM11	Sunny	Moderate	15:01	8.9	Surface	1.0	0.8	103	28.5	28.5	7.9	7.9	17.4	17.4	90.2	90.2	6.4	5.9	2.4	5	80	84	822054	811482	<0.2	0.9	<0.2	0.9						
						4.5	0.8	97	27.7	27.7	7.8	7.8	19.4	19.4	74.9	74.9	5.3	5.5	4	84	84	822054	811482	<0.2	0.9	<0.2	0.9							
						7.9	0.4	109	26.3	26.3	7.7	7.7	25.4	25.4	54.9	54.9	3.9	9.2	5	88	88	822054	811482	<0.2	0.9	<0.2	0.9							
					Bottom	7.9	0.4	116	26.3	26.3	7.7	7.7	25.3	25.4	55.1	55.1	3.9	9.2	4	88	88	822054	811482	<0.2	0.9	<0.2	0.9							
						1.0	0.5	95	28.4	28.4	7.8	7.8	17.5	17.5	88.6	88.6	6.3	3.5	6	80	80	822054	811482	<0.2	0.9	<0.2	0.9							
						4.4	0.4	116	27.8	27.8	7.8	7.8	18.9	18.9	75.5	75.5	5.3	11.4	6	83	83	822054	811482	<0.2	0.9	<0.2	0.9							
IM12	Sunny	Moderate	15:08	8.7	Surface	1.0	0.5	96	28.4	28.4	7.8	7.8	17.5	17.5	88.6	88.6	6.3	3.4	5	80	80	821462	812039	<0.2	0.9	<0.2	0.9							
						4.4	0.4	116	27.8	27.8	7.8	7.8	18.9	18.9	75.5	75.5	5.3	11.4	6	83	83	821462	812039	<0.2	0.9	<0.2	0.9							
						7.7	0.2	92	27.7	27.7	7.7	7.7	19.5	19.5	72.1	72.1	5.1	13.0	6	87	87	821462	812039	<0.2	0.9	<0.2	0.9							
					Bottom	7.7	0.2	92	27.7	27.7	7.7	7.7	19.5	19.5	72.0	72.0	5.1	12.9	6	88	88	821462	812039	<0.2	0.9	<0.2	1.0							
						1.0	-	-	28.5	28.5	7.9	7.9	17.7	17.7	91.0	91.0	6.4	2.7	7	-	-	-	-	819975	812662	-	-	-	-	-	-			
						2.8	-	-	28.5	28.5	7.9	7.9	17.7	17.7	90.9	90.9	6.4	2.7	6	-	-	-	-	819975	812662	-	-	-	-	-	-			
SR1A	Sunny	Moderate	15:28	5.6	Surface	1.0	-	-	-	-	7.9	7.9	17.7	17.7	91.0	91.0	6.4	6.4	2.7	7	-	-	819975	812662	-	-	-	-	-	-				
						2.8	-	-	-	-	7.9	7.9	17.7	17.7	90.9	90.9	6.4	2.7	6	-	-	-	-	819975	812662	-	-	-	-	-	-			
						4.6	-	-	28.2	28.2	7.8	7.8	18.7	18.7	86.4	86.5	6.1	3.6	7	-	-	-	-	819975	812662	-	-	-	-	-	-			
					Bottom	4.6	-	-	28.2	28.2	7.8	7.8	18.7	18.7	86.5	86.5	6.1	3.9	6	-	-	-	-	819975	812662	-	-	-	-	-	-	-		
						1.0	0.5	86	28.7	28.7	7.9	7.9	17.0	17.0	96.0	96.0	6.8	2.0	6	80	80	821481	814187	<0.2	0.9	<0.2	0.9							
						1.0	0.5	86	28.7	28.7	7.9	7.9	17.0	17.0	95.9	95.9	6.8	1.9	5	81	81	821481	814187	<0.2	0.9	<0.2	0.9							
SR2	Sunny	Moderate	15:40	4.8	Surface	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821481	814187	<0.2	0.9	<0.2	0.9						
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821481	814187	<0.2	0.9	<0.2	0.9					
						4.6	-	-	28.2	28.2	7.8	7.8	18.7	18.7	86.4	86.5	6.1	3.6	7	-	-	-	-	821481	814187	<0.2	0.9	<0.2	0.9					
					Bottom	4.6	-	-	28.2	28.2	7.8	7.8	18.7	18.7	86.5	86.5	6.1	3.9	6	-	-	-	-	821481	814187	<0.2	0.9	<0.2	0.9					
						1.0	0.0	246	28.6	28.6	7.8	7.8	16.9	16.9	89.0	89.0	6.3	2.5	4	-	-	-	-	821481	814187	<0.2	0.9	<0.2	0.9					
						4.5	0.1	194	28.1	28.1	7.8	7.8	17.9	17.9	79.5	79.5	5.6	4.2	5	-	-	-	-	821481	814187	<0.2	0.9	<0.2	0.9					
SR3	Sunny	Moderate	14:30	9.0	Surface	1.0	0.0	249	28.6	28.6	7.8	7.8	16.9	16.9	89.0	89.0	6.3	2.5	5	-	-	-	822170	807571	-	-	-	-	-	-				
						4.5	0.1	194	28.1	28.1	7.8	7.8	17.9	17.9	79.5	79.5	5.6	4.2	5	-	-	-	-	822170	807571	-	-	-	-	-	-			
						8.0	0.1	258	27.2	27.2	7.7	7.7	21.1	21.1	63.4	63.5	4.5	13.4	5	-	-	-	-	822170	807571	-	-	-	-	-	-			
					Bottom	8.0	0.1	258	27.2	27.2	7.7	7.7	21.1	21.1	63.5	63.5	4.5	13.5	5	-	-	-	-	822170	807571	-	-	-	-	-	-	-		
						1.0	0.5	254	28.8	28.8	8.1	8.1	17.9	17.9	101.1	101.0	7.1	4.3	5	-	-	-	-	817192	807801	-	-	-	-	-	-	-		
						4.2	0.2	250	26.5	26.5	7.9	7.9	24.3	24.3	54.1	54.1	3.8	6.4	5	-	-	-	-	817192	807801	-	-	-	-	-	-	-		
SR4A	Fine	Calm	15:49	8.4	Surface	1.0	0.5	264	28.8	28.8	7.9	7.9	24.3	24.3	54.0	54.1	3.8	6.5	5	-	-	-	817192	807801	-	-	-	-	-	-				
						4.2	0.2	259	26.5	26.5	7.9	7.9	27.1	27.1	41.5	41.5	2.9	9.4	4	-	-	-	-	817192	807801	-	-	-	-	-	-			
						7.4	0.0	233	25.7	25.7	7.9	7.9	27.1	27.1	41.5	41.5	2.9	9.5	5	-	-	-	-	817192	807801	-	-	-	-	-	-			
					Bottom	7.4	0.0	233	25.7	25.7	7.9	7.9	27.1	27.1	41.5	41.5	2.9	9.4	4	-	-	-	-	817192	807801	-	-	-	-	-	-	-		
						1.0	0.2	307	29.2	29.2	8.3	8.3	17.8	17.8	113.9	113.8	7.9	5.0	7	-	-	-	-	816598	810693	-	-	-	-	-	-			
						2.7	0.1	308	28.3	28.3	8.2	8.2	18.4	18.4	92.2	92.3	6.5	8.9	8	-	-	-	-	816598	810693	-	-	-	-	-	-			
SR5A	Fine	Calm	16:09	3.7	Surface	1.0	0.2	314	29.1	29.1	8.3	8.3	17.8	17.8	113.7	113.8	7.9	5.1	7	-	-	-	816598	810693	-	-	-	-	-	-				
						2.7	0.1	311	28.3	28.3	8.2	8.2	18.4	18.4	92.4	92.3	6.5	8.9	8	-	-	-	-	816598	810693	-	-	-	-	-				

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

Water Quality Monitoring Results on **25 June 20** 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	Sunny	Moderate	09:43	7.6	Surface	1.0	0.1	261	28.3	28.3	7.8	7.8	17.4	17.4	79.3			79.3	5.6	6.9	12	83	87
1.0	0.2	271	28.3	28.3	7.8	7.8	17.4							17.4	79.3	79.3	5.6	6.9	12	83	87	822108	808808	<0.2	0.9	<0.2	0.9				
3.8	0.2	269	28.1	28.1	7.7	7.7	17.9							17.9	74.8	74.8	5.3	11.9	10	86	87	822108	808808	<0.2	1.1	<0.2	1.1				
Middle	3.8	0.2	279	28.1	28.1	7.7	7.7						17.9	17.9	74.7	74.7	5.3	11.9	10	86	87	822108	808808	<0.2	1.0	<0.2	1.0				
	6.6	0.1	254	28.0	28.0	7.7	7.7						18.5	18.5	73.1	73.1	5.2	12.2	8	91	87	822108	808808	<0.2	0.9	<0.2	0.9				
	6.6	0.1	270	28.0	28.0	7.7	7.7						18.5	18.5	73.1	73.1	5.2	12.3	8	91	87	822108	808808	<0.2	0.9	<0.2	0.9				
Bottom	1.0	0.4	287	28.5	28.5	7.8	7.8						16.2	16.2	84.5	84.5	6.0	4.0	4	83	87	822108	808808	<0.2	1.0	<0.2	1.0				
	1.0	0.4	311	28.5	28.5	7.8	7.8						16.2	16.2	84.5	84.5	6.0	3.9	4	83	87	822108	808808	<0.2	1.0	<0.2	1.0				
	4.1	0.4	280	28.2	28.2	7.8	7.8						17.1	17.1	80.6	80.6	5.7	3.6	4	86	87	822108	808808	<0.2	0.9	<0.2	0.9				
IM10	Sunny	Moderate	09:36	8.1	Surface	1.0	0.4	287	28.5	28.5	7.8	7.8	16.2	16.2	84.5	84.5	6.0	4.0	4	83	87	822407	809803	<0.2	1.0	<0.2	1.0				
						1.0	0.4	311	28.5	28.5	7.8	7.8	16.2	16.2	84.5	84.5	6.0	3.9	4	83	87	822407	809803	<0.2	1.0	<0.2	1.0				
						4.1	0.4	280	28.2	28.2	7.8	7.8	17.1	17.1	80.6	80.6	5.7	3.6	4	86	87	822407	809803	<0.2	0.9	<0.2	0.9				
					Middle	4.1	0.5	290	28.2	28.2	7.8	7.8	17.1	17.1	80.5	80.5	5.7	3.6	4	86	87	822407	809803	<0.2	1.0	<0.2	1.0				
						7.1	0.3	299	27.4	27.4	7.7	7.7	20.7	20.7	67.9	67.9	4.8	11.6	5	90	87	822407	809803	<0.2	0.9	<0.2	0.9				
						7.1	0.3	318	27.4	27.4	7.7	7.7	20.7	20.7	67.7	67.7	4.8	11.7	4	91	87	822407	809803	<0.2	1.0	<0.2	1.0				
					Bottom	1.0	0.3	300	28.3	28.3	7.8	7.8	16.6	16.6	82.7	82.7	5.9	2.9	4	82	87	822407	809803	<0.2	0.9	<0.2	0.9				
						1.0	0.3	315	28.3	28.3	7.8	7.8	16.6	16.6	82.5	82.5	5.9	2.9	4	83	87	822407	809803	<0.2	0.9	<0.2	0.9				
						3.9	0.4	274	27.2	27.2	7.7	7.7	21.7	21.7	66.4	66.4	4.7	7.9	3	86	87	822407	809803	<0.2	0.9	<0.2	0.9				
IM11	Sunny	Moderate	09:26	7.7	Surface	1.0	0.3	300	28.3	28.3	7.8	7.8	16.6	16.6	82.7	82.7	5.9	2.9	4	82	86	822071	811481	<0.2	1.0	<0.2	1.0				
						1.0	0.3	315	28.3	28.3	7.8	7.8	16.6	16.6	82.5	82.5	5.9	2.9	4	83	86	822071	811481	<0.2	0.9	<0.2	0.9				
						3.9	0.4	274	27.2	27.2	7.7	7.7	21.7	21.7	66.4	66.4	4.7	7.9	3	86	86	822071	811481	<0.2	0.9	<0.2	0.9				
					Middle	3.9	0.4	295	27.2	27.2	7.7	7.7	21.7	21.7	66.4	66.4	4.7	8.2	4	87	86	822071	811481	<0.2	0.9	<0.2	0.9				
						6.7	0.3	286	26.9	26.9	7.7	7.7	22.6	22.6	63.1	63.1	4.4	11.8	3	90	86	822071	811481	<0.2	0.9	<0.2	0.9				
						6.7	0.3	308	27.0	27.0	7.7	7.7	22.6	22.6	63.1	63.1	4.4	11.6	2	90	86	822071	811481	<0.2	0.9	<0.2	0.9				
					Bottom	1.0	0.5	271	28.4	28.4	7.8	7.8	16.6	16.6	87.8	87.8	6.2	2.2	2	83	86	822071	811481	<0.2	0.9	<0.2	0.9				
						1.0	0.5	283	28.4	28.4	7.8	7.8	16.6	16.6	87.8	87.8	6.2	2.2	3	82	86	822071	811481	<0.2	0.9	<0.2	0.9				
						4.4	0.6	282	27.6	27.6	7.8	7.8	20.0	20.0	75.1	75.1	5.3	4.3	2	87	86	822071	811481	<0.2	0.9	<0.2	0.9				
IM12	Sunny	Moderate	09:20	8.8	Surface	1.0	0.5	271	28.4	28.4	7.8	7.8	16.6	16.6	87.8	87.8	6.2	2.2	2	83	87	821470	812067	<0.2	0.9	<0.2	0.9				
						1.0	0.5	283	28.4	28.4	7.8	7.8	16.6	16.6	87.8	87.8	6.2	2.2	3	82	87	821470	812067	<0.2	0.9	<0.2	0.9				
						4.4	0.6	282	27.6	27.6	7.8	7.8	20.0	20.0	75.1	75.1	5.3	4.3	2	87	87	821470	812067	<0.2	0.9	<0.2	0.9				
					Middle	4.4	0.6	283	27.6	27.6	7.8	7.8	20.1	20.1	75.0	75.0	5.3	4.3	3	87	87	821470	812067	<0.2	0.9	<0.2	0.9				
						7.8	0.7	250	27.3	27.3	7.7	7.7	21.1	21.1	68.2	68.2	4.8	13.6	2	91	87	821470	812067	<0.2	0.9	<0.2	0.9				
						7.8	0.7	271	27.3	27.3	7.7	7.7	21.1	21.1	68.1	68.1	4.8	13.8	2	91	87	821470	812067	<0.2	1.0	<0.2	1.0				
					Bottom	1.0	-	-	28.4	28.4	7.8	7.8	16.4	16.5	83.3	83.2	5.9	3.8	3	-	87	821470	812067	<0.2	0.9	<0.2	0.9				
						1.0	-	-	28.4	28.4	7.8	7.8	16.5	16.5	83.1	83.1	5.9	3.8	4	-	87	821470	812067	<0.2	0.9	<0.2	0.9				
						2.8	-	-	-	-	-	-	-	-	-	-	5.9	3.8	4	-	87	821470	812067	<0.2	0.9	<0.2	0.9				
SR1A	Fine	Moderate	09:02	5.5	Surface	1.0	-	-	28.4	28.4	7.8	7.8	16.4	16.5	83.3	83.2	5.9	3.8	3	-	87	819975	812662	-	-	-	-				
						1.0	-	-	28.4	28.4	7.8	7.8	16.5	16.5	83.1	83.1	5.9	3.8	4	-	87	819975	812662	-	-	-	-				
						2.8	-	-	-	-	-	-	-	-	-	-	5.9	3.8	4	-	87	819975	812662	-	-	-	-				
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	5.9	3.8	4	-	87	819975	812662	-	-	-	-				
						4.5	-	-	28.3	28.3	7.8	7.8	17.1	17.1	79.7	79.7	5.7	4.5	2	-	87	819975	812662	-	-	-	-				
						4.5	-	-	28.3	28.3	7.8	7.8	17.1	17.1	79.7	79.7	5.7	4.5	3	-	87	819975	812662	-	-	-	-				
					Bottom	1.0	0.1	342	28.5	28.5	7.8	7.8	15.4	15.4	84.6	84.6	6.0	2.8	3	82	87	819975	812662	<0.2	1.0	<0.2	1.0				
						1.0	0.1	315	28.5	28.5	7.8	7.8	15.4	15.4	84.5	84.5	6.0	2.8	2	82	87	819975	812662	<0.2	1.0	<0.2	1.0				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	819975	812662	<0.2	0.9	<0.2	0.9				
SR2	Fine	Moderate	08:50	4.8	Surface	1.0	0.1	342	28.5	28.5	7.8	7.8	15.4	15.4	84.6	84.6	6.0	2.8	3	82	87	821483	814167	<0.2	1.0	<0.2	1.0				
						1.0	0.1	315	28.5	28.5	7.8	7.8	15.4	15.4	84.5	84.5	6.0	2.8	2	82	87	821483	814167	<0.2	1.0	<0.2	1.0				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	821483	814167	<0.2	0.9	<0.2	0.9				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	821483	814167	<0.2	1.0	<0.2	1.0				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	821483	814167	<0.2	0.9	<0.2	0.9				
						3.8	0.2	351	28.1	28.1	7.8	7.8	17.3	17.3	79.6	79.6	5.7	2.9	3	87	87	821483	814167	<0.2	0.9	<0.2	0.9				
					Bottom	3.8	0.2	323	28.1	28.1	7.8	7.8	17.2	17.3	79.7	79.7	5.7	3.0	3	87	87	821483	814167	<0.2	1.1	<0.2	1.1				
						1.0	0.3	270	28.6	28.6	7.8	7.8	15.3	15.3	86.3	86.3	6.2	3.2	3	-	87	821483	814167	-	-	-	-				
						1.0	0.3	274	28.6	28.6	7.8	7.8	15.3	15.3	86.2	86.2	6.1	3.2	4	-	87	821483	814167	-	-	-	-				
SR3	Sunny	Moderate	09:55	8.2	Surface	4.1	0.1	300	28.2	28.2	7.7	7.7	16.8	16.8	78.1	78.1	5.6	5.2	4	-	87	822126	807568	-	-	-	-				
						4.1	0.1	316	28.2	28.2	7.7	7.7	16.8	16.8	78.1	78.1	5.6	5.2	3	-	87	822126	807568	-	-	-	-				
						7.2	0.3	59	28.0	28.0	7.7	7.7	18.0	18.0	74.0	74.0	5.3	8.3	4	-	87	822126	807568	-	-	-	-				
					Middle	7.2	0.3	62	28.0	28.0	7.7	7.7	18.0	18.0	74.1	74.1	5.3	8.4	5	-	87	822126	807568	-	-	-	-				
						1.0	0.3	270</																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 June 20 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	Rough	17:01	8.4	Surface	1.0	0.4	206	29.0	29.0	8.2	8.2	17.2	17.3	123.6	123.2	8.6	8.0	3.3	4	84	87	84	87	815640	804236	<0.2	1.0	<0.2	1.0				
						1.0	0.4	208	29.0	8.2	8.2	17.4	17.4	122.8	122.8	8.6	8.0	3.3	4	87	87	87	87	<0.2			1.1							
						4.2	0.6	188	28.8	8.2	8.2	17.8	17.8	106.1	105.6	7.4	7.4	4.3	5	87	87	88	88	<0.2			1.0							
					4.2	0.6	192	28.7	8.2	8.2	17.8	17.8	105.1	105.1	7.4	7.4	4.4	4	87	87	88	88	<0.2	1.0										
					7.4	0.4	237	25.0	7.9	7.9	30.2	30.2	49.7	49.7	3.5	3.5	8.3	8.3	4	4	89	89	89	89			<0.2	0.9						
					7.4	0.5	252	25.0	7.9	7.9	30.2	30.2	49.8	49.8	3.5	3.5	8.2	8.2	6	6	89	89	89	89			<0.2	1.0						
					1.0	0.2	135	29.6	7.9	7.9	15.2	15.2	102.6	102.6	7.2	7.2	2.1	3	80	80	80	80	<0.2	1.3										
C2	Sunny	Moderate	15:50	11.4	Surface	1.0	0.2	141	29.6	29.6	7.9	7.9	15.2	15.2	102.5	102.5	7.2	6.3	2.0	3	79	79	83	83	825695	806939	<0.2	1.5	<0.2	1.4				
						5.7	0.5	154	27.8	7.7	7.7	19.9	19.8	74.7	74.8	5.3	5.3	2.8	3	83	83	83	83	<0.2			1.4							
						5.7	0.5	161	27.8	7.7	7.7	19.8	19.8	74.9	74.9	5.3	5.3	2.8	4	83	83	88	88	<0.2			1.4							
					10.4	0.5	144	25.6	7.6	7.6	28.0	28.0	46.5	46.5	3.2	3.3	13.5	13.5	4	4	88	88	88	88			<0.2	1.5						
					10.4	0.5	154	25.6	7.6	7.6	28.0	28.0	46.5	46.5	3.3	3.3	13.6	13.6	5	5	87	87	87	87			<0.2	1.4						
					1.0	0.4	286	28.7	8.0	8.0	18.6	18.6	108.9	108.8	7.6	7.6	1.5	6	80	80	80	80	<0.2	0.9										
					1.0	0.4	297	28.7	8.0	8.0	18.6	18.6	108.6	108.6	7.6	7.6	1.5	6	80	80	80	80	<0.2	1.0										
C3	Fine	Moderate	18:15	12.6	Surface	6.3	0.2	257	26.1	26.2	7.7	7.7	26.3	26.2	60.7	60.8	4.2	3.3	3.8	4	84	84	84	84	822090	817803	<0.2	0.9	<0.2	0.9				
						6.3	0.2	278	26.2	7.7	7.7	26.2	26.2	60.9	60.9	4.3	3.6	3.8	4	84	84	87	87	<0.2			1.0							
						11.6	0.1	120	25.3	7.7	7.7	28.8	28.8	51.3	51.4	3.6	3.6	4.6	4	87	87	87	87	<0.2			1.0							
					11.6	0.1	130	25.3	7.7	7.7	28.8	28.8	51.4	51.4	3.6	3.6	4.6	4	88	88	88	88	<0.2	0.9										
					1.0	0.1	215	27.3	8.0	8.0	23.3	23.1	81.3	82.1	5.7	5.7	6.3	6	87	87	86	86	<0.2	0.9										
					1.0	0.1	217	27.3	8.0	8.0	23.0	23.0	82.8	82.8	5.8	5.8	6.3	5	86	86	86	86	<0.2	0.9										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
IM1	Sunny	Rough	16:40	5.0	Surface	4.0	0.1	210	26.0	26.0	7.9	7.9	26.6	26.6	52.8	52.8	3.7	3.7	13.4	13.4	4	4	89	89	817955	807128	<0.2	0.9	<0.2	0.9				
						4.0	0.1	230	26.0	7.9	7.9	26.6	26.6	52.8	52.8	3.7	3.7	13.4	13.4	5	5	89	89	89			89	<0.2	0.9					
						1.0	0.3	160	28.5	8.1	8.1	17.9	17.8	108.7	108.7	7.6	7.6	4.1	4	85	85	85	85	<0.2			1.0							
					1.0	0.3	175	28.5	8.1	8.1	17.8	17.8	107.8	107.8	7.6	7.6	4.0	5	85	85	87	87	<0.2	1.0										
					3.6	0.2	129	25.8	7.9	7.9	27.3	27.2	54.1	54.2	3.8	3.8	10.6	5	88	88	88	88	<0.2	0.9										
					3.6	0.3	136	25.8	7.9	7.9	27.2	27.2	54.3	54.3	3.8	3.8	10.2	4	88	88	89	89	<0.2	0.9										
					6.2	0.1	29	25.6	7.9	7.9	28.3	28.3	49.9	50.0	3.5	3.5	14.6	6	89	89	89	89	<0.2	1.0										
6.2	0.1	30	25.6	7.9	7.9	28.3	28.3	50.1	50.1	3.5	3.5	14.5	5	90	90	90	90	<0.2	1.0															
IM2	Sunny	Rough	16:31	7.2	Surface	1.0	0.1	194	29.0	29.0	8.2	8.2	17.3	17.3	118.2	118.1	8.3	7.5	3.6	6	86	86	86	86	818165	806161	<0.2	0.9	<0.2	0.9				
						1.0	0.1	209	29.0	8.2	8.2	17.3	17.3	117.9	117.9	8.2	7.5	3.6	5	84	84	87	87	<0.2			1.1							
						3.4	0.2	156	28.0	8.0	8.0	19.6	19.6	96.1	95.2	6.8	6.6	4.7	6	87	87	88	88	<0.2			1.0							
					3.4	0.3	160	27.9	8.0	8.0	19.6	19.6	94.3	94.3	6.6	6.6	4.7	5	88	88	89	89	<0.2	1.0										
					5.7	0.3	113	25.7	7.8	7.8	27.4	27.4	51.1	51.3	3.6	3.6	6.6	5	89	89	89	89	<0.2	0.9										
					5.7	0.3	115	25.8	7.9	7.9	27.4	27.4	51.4	51.3	3.6	3.6	6.3	4	88	88	88	88	<0.2	1.0										
					1.0	0.8	204	29.8	8.2	8.2	14.5	14.5	120.2	120.1	8.4	8.4	3.2	5	85	85	86	86	<0.2	1.0										
IM3	Sunny	Rough	16:23	6.7	Surface	1.0	0.9	204	29.8	29.8	8.2	8.2	14.6	14.5	119.9	119.9	8.4	6.6	3.2	5	86	86	86	86	818772	805590	<0.2	1.0	<0.2	1.0				
						3.9	0.6	177	26.5	7.9	7.9	24.0	24.0	67.1	67.0	4.7	4.7	8.8	6	86	86	87	87	<0.2			1.0							
						3.9	0.6	181	26.5	7.9	7.9	24.0	24.0	66.9	67.0	4.7	4.7	9.0	5	87	87	88	88	<0.2			1.0							
					6.7	0.3	159	26.0	7.9	7.9	26.6	26.6	58.5	58.5	4.1	4.1	11.8	6	88	88	88	88	<0.2	1.1										
					6.7	0.3	160	26.0	7.9	7.9	26.7	26.7	58.5	58.5	4.1	4.1	11.1	6	89	89	89	89	<0.2	1.0										
					1.0	0.6	197	30.1	8.2	8.2	15.1	15.1	116.2	116.1	8.1	8.1	3.1	3	85	85	85	85	<0.2	1.0										
					1.0	0.7	210	30.1	8.2	8.2	15.1	15.1	116.0	116.0	8.1	8.1	3.1	4	85	85	88	88	<0.2	1.1										
IM4	Sunny	Moderate	16:13	7.7	Surface	4.0	0.5	217	27.5	27.5	8.0	8.0	21.3	21.3	82.1	81.4	5.8	6.9	5.7	4	88	88	86	86	819745	804616	<0.2	1.1	<0.2	1.1				
						4.0	0.6	221	27.5	8.0	8.0	21.4	21.3	80.6	81.4	5.7	6.0	4	86	86	89	89	<0.2	1.1										
						6.9	0.3	184	26.2	7.9	7.9	25.9	25.9	58.4	58.5	4.1	4.1	9.5	3	89	89	89	89	<0.2			1.2							
					6.9	0.3	194	26.2	7.9	7.9	25.9	25.9	58.5	58.5	4.1	4.1	9.5	3	89	89	89	89	<0.2	1.3										
					1.0	0.3	215	29.8	8.2	8.2	13.1	13.1	114.5	114.4	8.1	8.1	3.3	4	85	85	86	86	<0.2	1.1										
					1.0	0.4	230	29.8	8.2	8.2	13.1	13.1	114.3	114.3	8.1	8.1	3.4	5	86	86	87	87	<0.2	1.1										
					3.7	0.4	236	27.2	7.9	7.9	19.4	19.4	80.2	80.1	5.7	5.7	9.5	4	87	87	87	87	<0.2	1.1										
IM5	Sunny	Moderate	16:06	7.9	Surface	3.7	0.4	236	27.2	27.2	7.9	7.9	19.4	19.4	80.0	80.1	5.7	8.4	9.9	4	87	87	87	87	821064	805815	<0.2	1.1	<0.2	1.1				
						6.4	0.2	190	26.8	7.9	7.9	23.6	23.6	67.5	67.6	4.7	4.7	12.2	3	89	89	89	89	<0.2			1.2							
						6.4	0.2	199	26.8	7.9	7.9	23.6	23.6	67.6	67.6	4.7	4.7	12.2	3	89	89	89	89	<0.2			1.1							
					1.0	0.2	243	28.7	8.1	8.1	16.0	16.0	105.6	105.6	7.5	6.5	4.6	6	85	85	86	86	<0.2	1.0										
					1.0	0.2	254	28.6	8.1	8.1	16.0	16.0	105.5	105.5	7.5	6.5	4.8	4	86	86	87	87	<0.2	1.2										
					4.0	0.3	232	27.6	7.9	7.9	19.9																							

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

Water Quality Monitoring Results on 27 June 20 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
IM9	Sunny	Moderate	16:20	7.7	Surface	1.0	0.2	90	29.2	29.2	8.0	8.0	15.7	15.6	106.8	106.8	7.5	2.4	4	80	84	822089	808798	<0.2	1.4	1.3	1.4							
						1.0	0.3	90	29.2	29.2	8.0	8.0	15.6	106.7	7.5	2.4	3	80	84	<0.2	1.4	1.3	1.4											
						3.9	0.3	95	27.9	27.9	7.8	7.8	19.7	77.9	5.5	6.0	4	83	84	<0.2	1.3	1.3	1.3											
					Middle	3.9	0.3	96	27.9	27.9	7.8	7.8	19.7	77.8	5.5	6.1	3	84	84	<0.2	1.3	1.3	1.3											
						6.7	0.3	64	27.6	27.6	7.8	7.8	20.7	72.8	5.1	7.4	3	88	88	<0.2	1.3	1.3	1.3											
						6.7	0.3	67	27.6	27.6	7.8	7.8	20.7	72.8	5.1	7.5	3	88	88	<0.2	1.3	1.3	1.3											
IM10	Sunny	Moderate	16:26	7.4	Surface	1.0	0.5	128	28.9	28.9	8.0	8.0	16.1	16.1	105.0	105.0	7.4	2.0	3	80	84	822405	809812	<0.2	1.2	1.3	1.3							
						1.0	0.6	134	28.9	28.9	8.0	8.0	16.1	105.0	7.4	2.0	2	79	84	<0.2	1.2	1.3	1.3											
						3.7	0.6	134	28.4	28.4	7.9	7.9	17.6	87.7	6.2	2.6	3	84	84	<0.2	1.3	1.2	1.2											
					Middle	3.7	0.6	139	28.4	28.4	7.9	7.9	17.5	91.3	6.4	2.4	3	84	84	<0.2	1.2	1.2	1.2											
						6.4	0.3	151	27.0	27.0	7.7	7.7	23.1	62.1	4.4	4.4	3	88	88	<0.2	1.3	1.3	1.3											
						6.4	0.3	159	27.0	27.0	7.7	7.7	23.2	62.1	4.4	4.4	3	88	88	<0.2	1.4	1.4	1.4											
IM11	Sunny	Moderate	17:21	7.8	Surface	1.0	0.8	96	29.2	29.2	8.0	8.0	15.7	15.7	110.3	110.3	7.8	2.0	4	80	84	822033	811460	<0.2	1.3	1.3	1.3							
						1.0	0.8	99	29.2	29.2	8.0	8.0	15.7	109.9	7.7	2.0	4	80	84	<0.2	1.3	1.3	1.3											
						3.9	0.7	85	28.0	28.0	7.8	7.8	19.4	80.0	7.9	5.6	4	84	84	<0.2	1.2	1.2	1.2											
					Middle	3.9	0.7	88	27.9	27.9	7.8	7.8	19.4	79.5	5.6	3.6	4	84	84	<0.2	1.3	1.3	1.3											
						6.8	0.4	93	26.6	26.6	7.7	7.7	24.4	59.3	4.2	7.4	3	88	88	<0.2	1.2	1.2	1.2											
						6.8	0.5	102	26.6	26.6	7.7	7.7	24.4	59.5	4.2	7.4	2	88	88	<0.2	1.4	1.4	1.4											
IM12	Sunny	Moderate	17:26	8.7	Surface	1.0	0.6	98	29.3	29.3	8.0	8.0	15.3	15.3	111.2	111.0	7.8	1.7	3	79	84	821464	812046	<0.2	1.2	1.1	1.2							
						1.0	0.7	106	29.3	29.3	8.0	8.0	15.3	110.8	7.8	1.7	3	80	80	<0.2	1.1	1.1	1.1											
						4.4	0.5	81	27.9	27.9	7.8	7.8	19.5	75.3	5.3	5.2	3	83	83	<0.2	1.1	1.1	1.1											
					Middle	4.4	0.5	86	27.9	27.9	7.8	7.8	19.5	75.2	5.3	5.2	3	84	84	<0.2	1.2	1.2	1.2											
						7.7	0.4	96	27.7	27.7	7.7	7.7	20.3	72.8	5.1	7.0	3	87	87	<0.2	1.3	1.3	1.3											
						7.7	0.4	99	27.7	27.7	7.7	7.7	20.2	73.1	5.1	6.7	3	88	88	<0.2	1.3	1.3	1.3											
SR1A	Fine	Moderate	17:44	5.3	Surface	1.0	-	-	29.5	29.5	8.1	8.1	17.0	17.0	128.5	128.5	8.9	2.2	4	-	819976	812658	-	-	-	-								
						1.0	-	-	29.5	29.5	8.1	8.1	17.0	128.4	8.9	2.2	4	-	-	-	-													
						2.7	-	-	-	-	-	-	-	-	-	-	-	8.9	2.4	5	-	-												
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
						4.3	-	-	28.7	28.7	8.0	8.0	18.7	107.3	7.5	2.6	5	-	-	-	-	-												
						4.3	-	-	28.7	28.7	8.0	8.0	18.7	107.4	7.5	2.7	6	-	-	-	-	-												
SR2	Fine	Moderate	17:56	4.8	Surface	1.0	0.4	47	28.7	28.7	7.9	7.9	17.0	17.1	102.1	101.9	7.2	2.3	4	80	82	821455	814143	<0.2	1.2	1.2	1.2							
						1.0	0.4	48	28.7	28.7	7.9	7.9	17.1	101.8	7.2	2.5	4	80	80	<0.2	1.2	1.2	1.2											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
						3.8	0.2	32	28.2	28.2	7.8	7.8	18.6	84.8	6.0	3.8	3	83	83	<0.2	1.2	1.2	1.2											
						3.8	0.2	34	28.2	28.2	7.8	7.8	18.5	85.0	6.0	3.7	4	83	83	<0.2	1.2	1.2	1.2											
SR3	Sunny	Moderate	16:08	9.7	Surface	1.0	0.1	257	29.3	29.3	8.0	8.0	15.2	15.2	106.8	106.4	7.5	2.0	3	-	822150	807581	-	-	-	-								
						1.0	0.1	265	29.3	29.3	8.0	8.0	15.2	106.1	7.5	2.0	3	-	-	-	-	-												
						4.9	0.5	161	27.6	27.6	7.7	7.7	20.8	70.6	5.0	5.5	4	-	-	-	-	-												
					Middle	4.9	0.5	174	27.6	27.6	7.7	7.7	20.7	70.7	5.0	5.4	5	-	-	-	-	-												
						8.7	0.3	180	27.4	27.4	7.8	7.8	21.5	71.7	5.0	13.7	4	-	-	-	-	-												
						8.7	0.3	192	27.4	27.4	7.8	7.8	21.5	71.7	5.0	13.5	5	-	-	-	-	-												
SR4A	Sunny	Moderate	17:24	8.8	Surface	1.0	0.3	240	29.1	29.1	8.3	8.3	17.7	17.7	130.1	130.2	9.1	4.3	5	-	817185	807818	-	-	-	-								
						1.0	0.3	252	29.1	29.1	8.3	8.3	17.7	130.3	9.1	4.2	6	-	-	-	-	-												
						4.4	0.1	69	25.8	25.8	7.9	7.9	27.4	51.7	3.6	11.3	5	-	-	-	-	-												
					Middle	4.4	0.1	72	25.8	25.8	7.9	7.9	27.4	51.7	3.6	11.3	4	-	-	-	-	-												
						7.8	0.0	57	25.6	25.6	7.9	7.9	28.3	51.3	3.6	15.9	4	-	-	-	-	-												
						7.8	0.0	62	25.6	25.6	7.9	7.9	28.3	51.5	3.6	15.4	4	-	-	-	-	-												
SR5A	Cloudy	Moderate	17:43	3.5	Surface	1.0	0.1	273	29.2	29.2	8.3	8.3	18.3	18.3	144.5	144.4	10.0	6.3	5	-	816603	810681	-	-	-	-								
						1.0	0.1	299	29.2	29.2	8.3	8.3	18.3	144.3	10.0	6.9	5	-	-	-	-	-												
						-	-	-	-	-	-	-	-	-	-	-	-	10.0	8.0	5	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
						2.5	0.1	286	28.9	28.9	8.3	8.3	18.6	130.7	9.1	9.4	5	-	-	-	-	-												
						2.5	0.1	296	28.9	28.9	8.3	8.3	18.6	130.7	9.1	9.5	6	-	-	-	-	-												
SR6A	Cloudy	Moderate	18:10	4.1	Surface	1.0	0.1	55	29.6	29.6	8.3	8.3	18.0	18.0	130.4	130.3	9.0	7.2	8	-	817986	814721	-	-	-	-								
						1.0	0.1	60	29.6	29.6	8.3	8.3	18.0	130.1	9.0	7.2	7	-	-	-	-	-												
						-	-	-	-	-	-	-	-	-	-	-	-	9.0	10.7	7	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
						3.1	0.0	246	27.4	27.4	8.0	8.0	21.8	75.0	5.3	14.3	5	-	-	-	-	-												
						3.1	0.0	257	27.4	27.4	8.0	8.0	21.8	75.3	5.3	14.3	6	-	-	-	-	-												
SR7	Fine	Moderate	18:45	14.8	Surface	1.0	0.6	61	29.0	29.0	8.1	8.1	16.9	16.9	113.0	113.0	7.9	1.4	3	-	823649	823757	-	-	-	-								
						1.0	0.7	67	29.0	29.0	8.1	8.1	16.9	112.9	7.9	1.4	3	-	-	-	-	-												
						7.4	0.2	14	28.8	28.8	8.1	8.0	18.3	111.8	7.8	1.8	3	-	-	-	-	-												
					Middle	7.4	0.2	14	28.8	28.8	8.0	8.0	18.3	111.8	7.8	1.8	3	-	-	-	-	-												
						13.8	0.2	55	28.3	28.3	8.0	8.0	19.9	101.3	7.1	2.2	3	-	-	-	-	-												
						13.8	0.2	59	28.3	28.3	8.0	8.0	19.9	101.1	7.1	2.3	3	-	-	-	-	-												
SR8	Fine	Moderate	17:34	4.4	Surface	1.0	-	-	29.7	29.7	7.9																							

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

Water Quality Monitoring Results on 27 June 20 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	
C1	Sunny	Moderate	11:08	8.5	Surface	1.0	0.4	30	28.1	28.1	8.0	8.0	17.5	17.5	85.6	85.5	6.1	4.5	3	85	87	85	85	85	85	815624	804229	<0.2	1.0	1.0	1.0		
						1.0	0.4	30	28.0	28.0	8.0	8.0	17.5	17.5	85.4	85.0	5.1	4.6	4	86	87	86	86	86	86	815624	804229	<0.2	1.0	1.0	1.0		
						4.3	0.4	21	27.6	27.6	7.9	7.9	20.0	20.0	70.5	70.1	6.0	5.7	6.9	3	87	87	87	87	87	87	815624	804229	<0.2	1.1	1.0	1.0	
					4.3	0.4	22	27.6	27.6	7.9	7.9	20.0	20.0	69.6	69.6	4.9	5.7	3	87	87	87	87	87	87	815624	804229	<0.2	1.0	1.0	1.0			
					7.5	0.3	42	25.6	25.6	7.9	7.9	28.1	28.1	50.3	50.4	3.5	10.5	2	90	89	89	89	89	89	89	815624	804229	<0.2	1.0	1.0	1.0		
					7.5	0.3	43	25.6	25.6	7.9	7.9	28.1	28.1	50.5	50.5	3.5	10.5	3	89	89	89	89	89	89	89	89	815624	804229	<0.2	1.0	1.0	1.0	
C2	Sunny	Moderate	11:28	12.2	Surface	1.0	0.3	350	29.6	29.6	7.8	7.8	12.3	12.3	93.0	92.9	6.6	2.5	2	83	83	83	83	83	87	825685	806924	<0.2	1.3	1.3	1.4		
						1.0	0.3	322	29.6	29.6	7.8	7.8	12.3	12.3	92.8	92.8	6.6	2.5	2	83	83	83	83	83	83	87	825685	806924	<0.2	1.3	1.3	1.4	
						6.1	0.4	28	27.9	27.9	7.7	7.7	19.8	19.8	71.5	71.5	5.0	2.6	4.2	2	87	87	87	87	87	87	815624	804229	<0.2	1.2	1.2	1.4	
					6.1	0.4	28	27.8	27.8	7.7	7.7	19.8	19.8	71.5	71.5	5.0	2.6	2	87	87	87	87	87	87	815624	804229	<0.2	1.4	1.4	1.5			
					11.2	0.4	346	27.1	27.1	7.7	7.7	22.6	22.7	61.4	61.2	4.3	7.3	2	91	91	91	91	91	91	91	815624	804229	<0.2	1.5	1.5	1.4		
					11.2	0.4	318	27.1	27.1	7.7	7.7	22.7	22.7	61.0	61.0	4.3	7.8	2	90	90	90	90	90	90	90	90	815624	804229	<0.2	1.4	1.4	1.4	
C3	Sunny	Moderate	09:38	12.1	Surface	1.0	0.3	244	28.5	28.5	7.9	7.9	16.5	16.5	88.1	88.2	6.2	1.8	2	82	81	81	81	81	85	822097	817804	<0.2	1.3	1.3	1.3		
						1.0	0.3	250	28.5	28.5	7.9	7.9	16.4	16.4	88.2	88.2	6.3	1.7	2	81	81	81	81	81	81	85	822097	817804	<0.2	1.3	1.3	1.3	
						6.1	0.4	250	27.4	27.4	7.8	7.8	22.0	22.0	75.7	75.7	5.3	1.5	2.0	2	86	86	86	86	86	86	815624	804229	<0.2	1.4	1.4	1.3	
					6.1	0.4	264	27.4	27.4	7.8	7.8	22.0	22.0	75.6	75.6	5.3	1.4	3	85	85	85	85	85	85	815624	804229	<0.2	1.3	1.3	1.3			
					11.1	0.4	266	26.0	26.0	7.7	7.7	26.7	26.7	58.8	58.9	4.1	2.6	4	89	89	89	89	89	89	89	815624	804229	<0.2	1.3	1.3	1.3		
					11.1	0.4	271	26.0	26.0	7.7	7.7	26.7	26.7	58.9	58.9	4.1	2.7	3	89	89	89	89	89	89	89	815624	804229	<0.2	1.3	1.3	1.3		
IM1	Sunny	Moderate	11:26	5.2	Surface	1.0	0.2	344	28.7	28.7	8.1	8.1	16.2	16.2	102.6	102.6	7.3	3.6	<2	87	86	86	86	86	88	817964	807131	<0.2	1.2	1.3	1.2		
						1.0	0.2	316	28.7	28.7	8.1	8.1	16.2	16.2	102.6	102.6	7.3	3.6	<2	86	86	86	86	86	86	817964	807131	<0.2	1.3	1.3	1.2		
						-	-	-	-	-	-	-	-	-	-	-	-	-	4.2	2	-	-	-	-	-	-	-	88	817964	807131	<0.2	-	-
					4.2	0.3	276	28.6	28.6	8.1	8.1	17.0	17.0	102.3	102.3	7.2	4.8	2	89	89	89	89	89	89	89	817964	807131	<0.2	1.1	1.1	1.2		
					4.2	0.3	284	28.6	28.6	8.1	8.1	17.0	17.0	102.3	102.3	7.2	4.8	2	88	88	88	88	88	88	88	88	817964	807131	<0.2	1.2	1.2	1.2	
					1.0	0.3	31	28.5	28.5	8.0	8.0	15.3	15.3	98.8	98.6	7.1	4.0	<2	85	85	85	85	85	85	85	85	818184	806172	<0.2	1.2	1.3	0.8	
IM2	Sunny	Moderate	11:35	7.2	Surface	1.0	0.3	33	28.4	28.4	8.0	8.0	15.3	15.3	98.3	98.3	7.0	4.0	<2	85	85	85	85	85	87	818184	806172	<0.2	1.3	1.3	0.4		
						3.6	0.3	335	28.1	28.1	8.0	8.0	18.9	18.9	88.4	88.4	6.2	4.3	2	87	87	87	87	87	87	818184	806172	<0.2	0.4	0.6	0.5		
						3.6	0.3	346	28.1	28.1	8.0	8.0	18.9	18.9	88.4	88.4	6.2	4.3	2	87	87	87	87	87	87	818184	806172	<0.2	0.6	0.6	0.5		
					6.2	0.2	270	26.6	26.6	7.9	7.9	23.0	23.0	69.2	68.0	4.9	9.8	3	89	89	89	89	89	89	89	818184	806172	<0.2	0.5	0.5	0.5		
					6.2	0.2	279	26.5	26.5	7.9	7.9	23.1	23.0	66.7	68.0	4.7	10.0	2	89	89	89	89	89	89	89	818184	806172	<0.2	0.5	0.5	0.5		
					1.0	0.4	1	29.3	29.3	8.1	8.1	14.7	14.7	100.6	100.6	7.1	3.3	2	85	85	85	85	85	85	85	85	818774	805583	<0.2	1.2	1.2	1.2	
IM3	Sunny	Moderate	11:42	7.8	Surface	1.0	0.4	1	29.3	29.3	8.1	8.1	14.7	14.7	100.6	100.6	7.1	3.3	2	85	86	86	86	86	87	818774	805583	<0.2	1.1	1.1	1.2		
						1.0	0.4	1	29.3	29.3	8.1	8.1	14.7	14.7	100.6	100.6	7.1	3.3	2	86	86	86	86	86	86	87	818774	805583	<0.2	1.1	1.1	1.1	
						3.9	0.4	324	27.7	27.7	8.0	8.0	20.1	20.1	77.8	77.8	5.5	4.8	6.7	3	87	87	87	87	87	87	818774	805583	<0.2	1.1	1.1	1.1	
					3.9	0.5	335	27.7	27.7	8.0	8.0	20.1	20.1	77.5	77.5	5.5	5.1	2	88	88	88	88	88	88	88	818774	805583	<0.2	1.1	1.1	1.1		
					6.8	0.4	274	26.2	26.2	8.0	8.0	26.0	26.0	60.4	60.4	4.2	11.7	3	89	89	89	89	89	89	89	818774	805583	<0.2	1.3	1.3	1.3		
					6.8	0.4	297	26.2	26.2	8.0	8.0	26.0	26.0	60.4	60.4	4.2	11.8	3	89	89	89	89	89	89	89	89	818774	805583	<0.2	1.3	1.3	1.3	
IM4	Sunny	Moderate	11:51	8.0	Surface	1.0	0.6	358	28.1	28.1	8.1	8.0	16.4	16.2	94.8	94.7	6.8	4.5	<2	84	85	85	85	85	87	819722	804610	<0.2	1.1	1.1	1.2		
						1.0	0.6	329	28.1	28.1	8.0	8.0	15.9	15.9	94.6	94.6	6.8	4.5	<2	85	85	85	85	85	85	819722	804610	<0.2	1.1	1.1	1.2		
						4.0	0.7	333	26.8	26.8	8.0	8.0	22.1	22.1	71.0	71.0	5.0	5.3	<2	88	88	88	88	88	88	819722	804610	<0.2	1.2	1.2	1.2		
					4.0	0.7	356	26.8	26.8	8.0	8.0	22.1	22.1	70.9	71.0	5.0	5.3	<2	87	87	87	87	87	87	819722	804610	<0.2	1.2	1.2	1.2			
					7.0	0.4	341	26.2	26.2	8.0	8.0	26.2	26.2	62.1	62.3	4.4	11.3	<2	90	89	89	89	89	89	89	819722	804610	<0.2	1.2	1.2	1.1		
					7.0	0.4	354	26.2	26.2	8.0	8.0	26.2	26.2	62.5	62.5	4.4	12.0	<2	89	89	89	89	89	89	89	819722	804610	<0.2	1.1	1.1	1.1		
IM5	Sunny	Moderate	11:57	7.5	Surface	1.0	0.8	1	28.4	28.4	8.0	8.0	17.5	17.5	95.4	95.3	6.7	4.2	2	85	86	86	86	86	87	820712	804848	<0.2	1.1	1.1	1.2		
						1.0	0.8	1	28.3	28.4	8.0	8.0	17.6	17.6	95.2	95.2	6.7	4.4	2	86	86	86	86	86	86	819722	804610	<0.2	1.2				

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

Water Quality Monitoring Results on 27 June 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
IM9	Sunny	Moderate	10:55	8.0	Surface	1.0	0.5	260	28.7	28.7	7.8	7.8	16.2	16.2	88.5	88.5	6.3	3.8	6	83	87	82	87	86	90	91	822096	808799	<0.2	1.3	1.3
						1.0	0.5	270	28.7	7.8	7.8	16.2	16.2	88.5	88.5	6.3	3.9	7	82	87	86	90	91								
						4.0	0.4	269	28.4	28.5	7.8	7.8	17.0	16.9	83.2	83.3	5.9	6.3	6	87	86	90	91								
					4.0	0.4	278	28.5	28.5	7.8	7.8	16.9	16.9	83.3	83.3	5.9	6.4	7	86	87	86	90	91								
					7.0	0.2	274	28.2	28.2	7.8	7.8	17.9	17.9	76.7	76.8	5.4	10.7	5	90	89	86	90	91								
					7.0	0.2	281	28.2	28.2	7.8	7.8	17.9	17.9	76.8	76.8	5.4	10.8	6	91	89	86	90	91								
IM10	Sunny	Moderate	10:47	7.8	Surface	1.0	0.4	333	28.6	28.6	7.8	7.8	15.7	15.7	88.0	88.0	6.3	2.6	3	82	87	86	90	91	822372	809801	<0.2	1.3	1.2		
						1.0	0.4	338	28.6	28.6	7.8	7.8	15.7	15.7	88.0	88.0	6.2	2.6	2	83	87	86	90	91							
						3.9	0.5	321	28.4	28.4	7.8	7.8	17.0	16.9	82.6	82.6	5.9	4.2	2	87	86	90	91								
					3.9	0.5	342	28.4	28.4	7.8	7.8	16.9	16.9	82.5	82.5	5.8	4.1	3	86	87	86	90	91								
					6.8	0.4	308	27.5	27.5	7.7	7.7	20.9	20.9	65.7	65.7	4.6	12.3	2	90	89	86	90	91								
					6.8	0.4	310	27.5	27.5	7.7	7.7	20.9	20.9	65.7	65.7	4.6	12.4	2	90	89	86	90	91								
IM11	Sunny	Moderate	10:37	7.8	Surface	1.0	0.4	319	28.7	28.7	7.8	7.8	15.3	15.3	89.7	89.6	6.4	2.7	2	82	87	86	90	91	822043	811467	<0.2	1.4	1.3		
						1.0	0.4	343	28.7	28.7	7.8	7.8	15.4	15.4	89.5	89.5	6.4	2.7	2	83	87	86	90	91							
						3.9	0.5	302	28.1	28.1	7.8	7.8	18.4	18.3	78.4	78.4	5.5	3.4	3	86	87	86	90	91							
					3.9	0.5	322	28.1	28.1	7.8	7.8	18.3	18.3	78.3	78.3	5.5	3.3	2	87	86	90	91									
					6.8	0.3	310	26.9	26.9	7.7	7.7	23.4	23.4	62.2	62.2	4.4	6.9	2	90	89	86	90	91								
					6.8	0.4	335	26.9	26.9	7.7	7.7	23.4	23.4	62.2	62.2	4.3	6.9	3	90	89	86	90	91								
IM12	Sunny	Moderate	10:30	8.9	Surface	1.0	0.4	273	29.0	29.0	7.9	7.9	14.7	14.8	93.0	93.0	6.6	2.6	3	83	87	86	90	91	821463	812069	<0.2	1.6	1.5		
						1.0	0.4	296	29.0	29.0	7.9	7.9	14.8	14.8	92.9	92.9	6.6	2.6	3	82	87	86	90	91							
						4.5	0.7	273	28.4	28.4	7.9	7.9	17.4	17.4	90.7	90.8	6.4	2.6	3	87	86	90	91								
					4.5	0.7	297	28.4	28.4	7.9	7.9	17.4	17.4	90.9	90.8	6.4	2.6	2	86	87	86	90	91								
					7.9	0.3	262	27.8	27.8	7.8	7.8	20.2	20.2	82.2	82.1	5.8	4.3	2	91	89	86	90	91								
					7.9	0.3	263	27.8	27.8	7.8	7.8	20.2	20.2	81.9	81.9	5.8	4.2	2	90	89	86	90	91								
SR1A	Sunny	Moderate	10:11	5.6	Surface	1.0	-	-	28.9	28.9	7.9	7.9	15.2	15.2	94.9	94.9	6.7	2.0	2	-	-	-	-	-	-	819982	812662	-	-	-	
						1.0	-	-	28.9	28.9	7.9	7.9	15.2	15.2	94.9	94.9	6.7	2.0	2	-	-	-	-	-	-				-		
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		-
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		-
					4.6	-	-	28.5	28.5	7.8	7.8	17.1	17.1	86.9	87.0	6.1	3.8	2	-	-	-	-	-	-	-				-		
					4.6	-	-	28.5	28.5	7.8	7.8	17.1	17.1	87.0	87.0	6.1	3.8	2	-	-	-	-	-	-	-				-		-
SR2	Sunny	Moderate	09:59	4.8	Surface	1.0	0.0	140	28.4	28.4	7.8	7.8	16.6	16.6	85.2	85.2	6.0	2.6	4	82	87	86	90	91	821465	814156	<0.2	1.4	1.3		
						1.0	0.0	146	28.4	28.4	7.8	7.8	16.6	16.6	85.1	85.1	6.0	2.5	5	82	87	86	90	91							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		-	-
					3.8	0.1	352	27.7	27.7	7.8	7.8	19.9	19.9	77.5	77.5	5.5	4.4	4	87	86	90	91									
					3.8	0.1	356	27.7	27.7	7.8	7.8	20.0	19.9	77.4	77.5	5.5	4.4	3	87	86	90	91									
					3.8	0.1	356	27.7	27.7	7.8	7.8	20.0	19.9	77.4	77.5	5.5	4.4	3	87	86	90	91									
SR3	Sunny	Moderate	11:08	8.7	Surface	1.0	0.1	284	28.8	28.9	7.9	7.9	14.7	14.7	93.3	93.4	6.6	2.2	4	-	-	-	-	-	822137	807588	-	-	-		
						1.0	0.1	307	28.9	28.9	7.9	7.9	14.7	14.7	93.4	93.4	6.6	2.2	3	-	-	-	-	-							
						4.4	0.2	290	28.4	28.4	7.8	7.8	16.8	16.8	81.9	81.9	5.8	2.9	3	-	-	-	-	-							
					4.4	0.2	315	28.4	28.4	7.8	7.8	16.8	16.8	81.9	81.9	5.8	2.8	4	-	-	-	-	-								
					7.7	0.1	107	28.0	28.0	7.8	7.8	18.9	18.9	75.1	75.2	5.3	3.5	4	-	-	-	-	-								
					7.7	0.1	113	28.0	28.0	7.8	7.8	18.8	18.9	75.3	75.3	5.3	3.5	5	-	-	-	-	-								
SR4A	Sunny	Moderate	10:44	8.6	Surface	1.0	0.2	228	27.6	27.6	8.1	8.1	18.6	18.6	90.0	89.5	6.4	6.7	4	-	-	-	-	-	817176	807799	-	-	-		
						1.0	0.2	233	27.6	27.6	8.1	8.1	18.6	18.6	89.0	89.5	6.3	6.8	5	-	-	-	-	-							
						4.3	0.0	165	27.5	27.5	7.9	7.9	22.0	22.0	70.9	71.1	5.0	7.1	4	-	-	-	-	-							
					4.3	0.0	175	27.5	27.5	7.9	7.9	22.0	22.0	71.2	71.0	5.0	7.2	5	-	-	-	-	-								
					7.6	0.0	260	26.0	26.0	7.9	7.9	27.0	27.0	52.8	52.9	3.7	9.5	4	-	-	-	-	-								
					7.6	0.0	280	26.0	26.0	7.9	7.9	27.0	27.0	53.0	53.0	3.7	9.4	5	-	-	-	-	-								
SR5A	Sunny	Calm	10:27	3.5	Surface	1.0	0.2	304	28.5	28.5	8.2	8.2	18.8	18.8	103.2	103.1	7.2	7.4	8	-	-	-	-	-	816595	810709	-	-	-		
						1.0	0.2	321	28.5	28.5	8.2	8.2	18.8	18.8	102.9	102.9	7.2	7.7	7	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-			
					2.5	0.2	307	28.5	28.5	8.2	8.2	18.8	18.8	102.8	102.8	7.2	7.7	5	-	-	-	-	-								
					2.5	0.2	323	28.5	28.5	8.2	8.2	18.8	18.8	102.8	102.8	7.2	7.8	4	-	-	-	-	-								
					2.5	0.2	323	28.5	28.5	8.2	8.2	18.8	18.8	102.8	102.8	7.2	7.8	4	-	-	-	-	-								
SR6A	Sunny	Calm	09:57	4.6	Surface	1.0	0.1	190	28.5	28.5	8.0	8.0	16.7	16.8	98.0	98.0	6.9	3.7	4	-	-	-	-	-	817975	814733	-	-	-		
						1.0	0.1	196	28.5	28.5	8.0	8.0	16.8	16.8	97.9	98.0	6.9	3.8	3	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					3.6	0.0	281	28.4	28.4	8.0	8.0	17.6	17.6	95.3	95.2	6.7	4.8	2	-	-	-	-	-								
					3.6	0.0	297	28.4	28.4	8.0	8.0	17.6	17.6	95.1	95.2	6.7	4.9	3	-	-	-	-	-								
					3.6	0.0	297	28.4	28.4	8.0	8.0	17.6	17.6	95.1	95.2	6.7	4.9	3	-	-	-	-	-								
SR7	Sunny	Moderate	09:06	14.8	Surface	1.0	0.0	117	28.5	28.5	7.9	7.9	16.7	16.7	92.9	92.9	6.6	1.3	4	-	-										

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

Water Quality Monitoring

Water Quality Monitoring Results on 30 June 20 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	08:38	8.9	Surface	1.0	0.4	208	28.1	28.1	8.2	8.2	17.6	17.7	84.9	84.1	6.0	4.7	7	83	88	815616	804260	<0.2	0.9	0.8	0.8							
						1.0	0.4	219	28.1	8.2	8.2	17.7	17.7	83.3	84.1	5.9	4.6	6	84	88	<0.2	0.8	0.8											
					Middle	4.5	0.5	181	26.1	26.2	8.1	8.1	25.7	25.7	64.6	64.6	4.5	5.0	4	89	88	<0.2	0.7	0.8										
						4.5	0.5	188	26.2	26.2	8.1	8.1	25.6	25.6	64.6	64.6	4.5	5.0	5	88	88	<0.2	0.8	0.8										
					Bottom	7.9	0.5	226	24.9	24.9	8.1	8.1	31.1	31.1	55.7	55.7	3.9	3.9	4	92	90	<0.2	0.8	0.8										
						7.9	0.5	228	24.9	24.9	8.1	8.1	31.1	31.1	55.9	55.9	3.9	3.9	4	93	90	<0.2	0.8	0.8										
C2	Cloudy	Moderate	09:51	11.7	Surface	1.0	0.9	153	29.5	29.5	8.0	8.0	11.5	11.6	90.1	88.7	6.5	3.7	3	86	88	825685	806935	<0.2	1.0	1.0								
						1.0	0.9	168	29.4	8.0	8.0	11.7	11.7	87.3	88.7	6.3	3.6	3	86	88	<0.2	1.0	1.0											
					Middle	5.9	0.6	145	27.1	27.1	7.7	7.7	22.8	22.8	64.1	64.1	4.5	3.5	3	88	88	<0.2	1.1	1.1										
						5.9	0.6	151	27.1	27.1	7.7	7.7	22.8	22.8	64.0	64.0	4.5	3.5	4	89	88	<0.2	1.1	1.1										
					Bottom	10.7	0.5	135	26.0	26.0	7.7	7.7	27.6	27.6	55.1	55.4	3.8	3.9	5	90	89	<0.2	0.9	0.9										
						10.7	0.5	136	26.0	26.0	7.7	7.7	27.6	27.6	55.7	55.7	3.9	3.9	4	90	89	<0.2	1.0	1.0										
C3	Cloudy	Moderate	07:51	11.5	Surface	1.0	0.4	133	28.4	28.4	8.0	8.0	17.4	17.5	102.7	102.7	7.3	2.4	3	86	88	822128	817824	<0.2	1.1	1.1								
						1.0	0.4	135	28.4	28.4	8.0	8.0	17.5	17.5	102.6	102.6	7.2	2.4	3	85	88	<0.2	1.0	1.0										
					Middle	5.8	0.2	109	27.4	27.4	8.0	8.0	21.7	21.7	92.0	91.7	6.4	1.8	4	88	88	<0.2	1.0	1.0										
						5.8	0.2	109	27.4	27.4	8.0	8.0	21.7	21.7	91.4	91.4	6.4	1.8	5	88	88	<0.2	1.2	1.2										
					Bottom	10.5	0.2	324	25.0	25.0	7.8	7.8	30.1	30.1	59.5	59.6	4.1	5.8	5	90	89	<0.2	1.0	1.0										
						10.5	0.3	324	25.0	25.0	7.8	7.8	30.1	30.1	59.7	59.7	4.2	5.4	4	90	89	<0.2	1.0	1.0										
IM1	Sunny	Calm	08:59	4.6	Surface	1.0	0.1	228	25.8	25.8	8.1	8.1	27.7	27.8	66.2	66.2	4.5	9.6	4	85	87	817931	807121	<0.2	0.7	0.7								
						1.0	0.1	235	25.8	25.8	8.1	8.1	27.8	27.8	66.2	66.2	4.5	9.9	4	86	87	<0.2	0.7	0.7										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.0	164	25.5	25.5	8.1	8.1	28.7	28.6	59.9	60.1	4.2	4.2	2	89	89	<0.2	0.8	0.8										
						3.6	0.0	165	25.5	25.5	8.1	8.1	28.6	28.6	60.3	60.3	4.2	4.2	3	89	89	<0.2	0.8	0.8										
IM2	Sunny	Moderate	09:06	6.9	Surface	1.0	0.2	130	26.3	26.3	8.1	8.1	25.3	25.4	66.2	66.1	4.7	4.9	4	84	89	818157	806182	<0.2	0.7	0.7								
						1.0	0.2	130	26.2	26.2	8.1	8.1	25.4	25.4	66.0	66.0	4.6	5.3	5	85	88	<0.2	0.7	0.7										
					Middle	3.5	0.3	134	25.4	25.4	8.0	8.0	28.9	28.9	63.7	63.8	4.3	6.0	5	88	88	<0.2	0.7	0.7										
						3.5	0.3	138	25.3	25.3	8.0	8.0	28.9	28.9	63.8	63.8	4.4	5.9	4	89	88	<0.2	0.7	0.7										
					Bottom	5.9	0.1	63	25.1	25.1	8.1	8.1	30.7	30.6	56.4	56.6	3.9	6.7	3	93	90	<0.2	0.8	0.8										
						5.9	0.1	68	25.1	25.1	8.1	8.1	30.6	30.6	56.7	56.7	3.9	6.8	3	92	90	<0.2	0.7	0.7										
IM3	Sunny	Moderate	09:12	7.1	Surface	1.0	0.2	190	27.6	27.6	8.2	8.2	20.0	20.0	81.1	81.0	5.7	4.2	7	83	89	818785	805610	<0.2	0.7	0.7								
						1.0	0.2	202	27.6	27.6	8.2	8.2	20.0	20.0	80.9	80.9	5.7	4.3	6	84	89	<0.2	0.7	0.7										
					Middle	3.6	0.3	164	25.5	25.5	8.0	8.0	28.8	28.8	52.1	52.1	3.6	5.6	4	89	89	<0.2	0.7	0.7										
						3.6	0.4	180	25.4	25.4	8.0	8.0	28.8	28.8	52.1	52.1	3.6	5.3	5	91	89	<0.2	0.7	0.7										
					Bottom	6.1	0.2	133	25.1	25.1	8.0	8.0	30.4	30.3	53.1	53.3	3.7	6.8	3	91	89	<0.2	0.8	0.8										
						6.1	0.2	133	25.1	25.1	8.0	8.0	30.2	30.3	53.4	53.3	3.7	6.9	4	93	89	<0.2	0.8	0.8										
IM4	Sunny	Moderate	09:22	8.0	Surface	1.0	1.0	190	29.2	29.2	8.2	8.2	9.8	9.8	93.2	93.1	6.8	6.1	5	84	88	819724	804614	<0.2	0.7	0.7								
						1.0	1.1	207	29.2	29.2	8.2	8.2	9.9	9.9	92.9	93.1	6.8	6.1	4	84	88	<0.2	0.7	0.7										
					Middle	4.0	0.6	197	26.3	26.3	8.0	8.0	25.2	25.2	57.4	57.4	4.0	7.2	4	88	88	<0.2	0.8	0.8										
						4.0	0.7	203	26.2	26.2	8.0	8.0	25.2	25.2	57.4	57.4	4.0	7.1	4	89	88	<0.2	0.7	0.7										
					Bottom	7.0	0.3	171	25.5	25.5	8.0	8.0	28.9	28.9	51.6	51.7	3.6	9.1	3	93	89	<0.2	0.8	0.8										
						7.0	0.3	183	25.5	25.5	8.0	8.0	28.8	28.9	51.7	51.7	3.6	9.0	4	92	89	<0.2	0.8	0.8										
IM5	Sunny	Moderate	09:32	7.2	Surface	1.0	0.7	210	29.0	29.0	8.2	8.2	10.5	10.4	93.8	93.8	6.8	5.8	3	84	89	820737	804866	<0.2	0.8	0.8								
						1.0	0.7	219	29.0	29.0	8.2	8.2	10.3	10.4	93.7	93.8	6.8	5.7	4	86	89	<0.2	0.9	0.9										
					Middle	3.6	0.7	229	27.4	27.4	8.0	8.0	22.3	22.2	66.2	66.6	4.6	7.0	4	89	89	<0.2	0.9	0.9										
						3.6	0.8	243	27.5	27.5	8.0	8.0	22.2	22.2	66.9	66.6	4.7	6.8	3	89	89	<0.2	0.9	0.9										
					Bottom	6.2	0.5	211	26.4	26.4	8.0	8.0	25.3	25.3	60.2	60.6	4.2	8.2	4	92	89	<0.2	0.9	0.9										
						6.2	0.5	214	26.4	26.4	8.0	8.0	25.3	25.3	60.9	60.6	4.3	8.1	3	93	89	<0.2	0.8	0.8										
IM6	Sunny	Moderate	09:41	7.0	Surface	1.0	0.4	206	29.1	29.1	8.2	8.2	9.6	9.7	96.9	96.8	7.1	5.2	4	85	88	821073	805828	<0.2	0.8	0.8								
						1.0	0.4	211	29.0	29.0	8.2	8.2	9.7	9.7	96.6	96.8	7.1	5.1	3	86	89	<0.2	0.8	0.8										
					Middle	3.5	0.4	249	28.6	28.6	8.2	8.2	15.6	15.6	84.6	84.6	6.0	4.9	4	89	89	<0.2	0.8	0.8										
						3.5	0.4	257	28.6	28.6	8.2	8.2	15.6	15.6	84.5	84.6	6.0	5.6	4	90	89	<0.2	0.9	0.9										
					Bottom	6.0	0.4	255	27.2	27.2	8.0	8.0	23.3	23.2	68.9	69.4	4.8	6.2	5	90	89	<0.2	0.8	0.8										
						6.0	0.5	269	27.3	27.3	8.0	8.0	23.2	23.2	69.8	69.4	4.9	6.4	4	90	89	<0.2	0.9	0.9										
IM7	Sunny	Moderate	09:50	8.2	Surface	1.0	0.3	270	28.9	28.9	8.2	8.2	11.8	12.2	97.7	97.5	7.1	4.6	4	83	88	821327	806822	<0.2	0.9	0.9								
						1.0	0.3	291	28.9	28.9	8.2	8.2	12.7	12.2	97.3	97.3	7.0	4.6	4	84	88	<0.2	0.8	0.8										
					Middle	4.1	0.3	292	28.5	28.5	8.2	8.2	16.2	16.2	82.8	82.6	5.9	4.8	4	88	88	<0.2	0.9	0.9										
						4.1	0.4	318	28.5	28.5	8.2	8.2	16.2	16.2	82.4	82.4																		

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

Water Quality Monitoring Results on 30 June 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	09:17	7.2	Surface	1.0	0.4	109	29.1	29.1	7.9	7.9	11.5	11.5	92.8	92.8	6.7	3.7	3	87	-0.2	0.9	88	822070	808825	-0.2	0.9	0.9				
						1.0	0.4	109	29.1	29.1	7.9	7.9	11.5	11.5	92.8	6.7	3.6	3	86	-0.2	0.8											
						3.6	0.4	111	27.7	27.7	7.7	7.7	18.0	17.9	71.8	5.1	4.8	4	88	-0.2	1.1											
					3.6	0.4	120	27.7	27.7	7.7	7.7	17.9	17.9	71.7	5.1	4.9	4	89	-0.2	1.1												
					6.2	0.3	58	27.1	27.1	7.7	7.7	22.4	22.4	64.9	4.6	7.0	4	90	-0.2	0.6												
					6.2	0.3	63	27.1	27.1	7.7	7.7	22.4	22.4	65.1	4.6	7.2	4	90	-0.2	0.6												
IM10	Cloudy	Moderate	09:09	7.3	Surface	1.0	0.6	99	28.8	28.8	8.0	8.0	11.8	11.1	93.0	92.8	6.8	4.5	4	86	-0.2	0.5	88	822361	809806	-0.2	0.5	0.6				
						1.0	0.7	108	28.7	28.7	8.0	8.0	10.4	10.4	92.6	6.8	4.6	3	87	-0.2	0.5											
						3.7	0.7	99	28.2	28.2	7.8	7.8	17.0	17.0	79.2	5.6	5.6	4	88	-0.2	0.5											
					3.7	0.7	100	28.2	28.2	7.8	7.8	17.0	17.0	79.1	5.6	5.6	3	89	-0.2	0.6												
					6.3	0.5	72	27.2	27.2	7.7	7.7	22.7	22.7	69.5	4.9	10.1	3	90	-0.2	0.8												
					6.3	0.6	79	27.2	27.2	7.7	7.7	22.8	22.8	70.0	4.9	10.2	3	90	-0.2	0.8												
IM11	Cloudy	Moderate	08:57	8.2	Surface	1.0	0.7	90	29.2	29.3	8.0	8.0	12.6	12.6	94.4	94.2	6.7	3.0	5	87	-0.2	0.5	88	822035	811471	-0.2	0.5	0.7				
						1.0	0.7	98	29.3	29.3	8.0	8.0	12.6	12.6	94.0	6.7	3.2	4	86	-0.2	0.5											
						4.1	0.7	78	27.7	27.7	7.8	7.8	20.0	19.9	73.7	5.2	4.9	5	88	-0.2	0.5											
					4.1	0.7	79	27.6	27.6	7.8	7.8	19.9	19.9	73.5	5.2	5.1	5	88	-0.2	0.5												
					7.2	0.3	91	26.7	26.7	7.7	7.7	24.3	24.3	61.7	4.3	7.4	5	89	-0.2	1.1												
					7.2	0.3	93	26.6	26.7	7.7	7.7	24.1	24.3	61.8	4.3	7.4	5	89	-0.2	0.9												
IM12	Cloudy	Moderate	08:48	9.0	Surface	1.0	0.5	106	29.4	29.4	8.0	8.0	11.7	11.7	98.3	98.3	7.0	4.4	4	86	-0.2	0.8	88	821476	812042	-0.2	0.8	0.8				
						1.0	0.5	108	29.4	29.4	8.0	8.0	11.7	11.7	98.2	7.0	4.4	4	86	-0.2	0.8											
						4.5	0.4	101	28.0	28.0	7.7	7.7	18.6	18.5	70.4	5.0	7.1	5	89	-0.2	0.5											
					4.5	0.4	108	28.0	28.0	7.7	7.7	18.5	18.5	70.1	5.0	7.2	6	88	-0.2	0.6												
					8.0	0.2	145	25.8	25.8	7.7	7.7	27.4	27.5	53.6	3.7	9.3	6	90	-0.2	1.0												
					8.0	0.2	148	25.7	25.8	7.7	7.7	27.5	27.5	53.8	3.8	9.7	5	90	-0.2	1.0												
SR1A	Cloudy	Moderate	08:31	5.5	Surface	1.0	-	-	29.1	29.1	8.0	8.0	12.5	12.5	105.8	105.8	7.6	2.9	3	-	-	-	-	88	819981	812659	-	-	-			
						1.0	-	-	29.1	29.1	8.0	8.0	12.5	12.5	105.7	7.6	2.8	4	-	-	-	-										
						2.8	-	-	-	-	-	-	-	-	-	-	-	7.6	2.8	4	-	-	-				-					
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-									
					4.5	-	-	29.0	29.0	8.0	8.0	14.8	15.3	99.7	7.0	2.9	4	-	-	-	-											
					4.5	-	-	29.0	29.0	8.0	8.0	15.8	15.8	99.6	7.0	3.0	5	-	-	-	-											
SR2	Cloudy	Moderate	08:17	4.7	Surface	1.0	0.4	54	29.2	29.2	8.0	8.0	11.9	11.8	97.6	97.8	7.0	3.8	5	87	-0.2	1.0	89	821470	814158	-0.2	1.0	0.7				
						1.0	0.4	56	29.1	29.1	8.0	8.0	11.7	11.7	98.0	7.1	3.6	4	89	-0.2	0.9											
						-	-	-	-	-	-	-	-	-	-	-	-	7.1	3.6	4	-	-										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-											
					3.7	0.3	35	28.7	28.7	8.0	8.0	16.4	16.4	97.7	6.9	3.0	6	90	-0.2	0.4												
					3.7	0.3	36	28.7	28.7	8.0	8.0	16.4	16.4	97.5	6.9	3.1	5	90	-0.2	0.4												
SR3	Cloudy	Moderate	09:29	8.9	Surface	1.0	0.3	182	29.5	29.5	8.0	8.0	8.9	8.9	94.7	94.5	6.9	3.9	4	-	-	-	-	88	822159	807547	-	-	-			
						1.0	0.3	187	29.5	29.5	8.0	8.0	8.9	8.9	94.2	6.8	4.0	4	-	-												
						4.5	0.2	225	27.4	27.4	7.7	7.7	21.4	21.4	64.3	4.5	5.5	3	-	-												
					4.5	0.2	241	27.3	27.3	7.7	7.7	21.4	21.4	64.5	4.5	6.0	4	-	-													
					7.9	0.0	68	26.4	26.4	7.7	7.7	25.3	25.3	59.8	4.2	14.4	3	-	-													
					7.9	0.0	74	26.4	26.4	7.7	7.7	25.4	25.3	60.0	4.2	14.4	4	-	-													
SR4A	Sunny	Calm	08:18	9.3	Surface	1.0	0.1	27	28.5	28.5	8.2	8.2	15.3	15.3	85.6	85.5	6.1	5.5	6	-	-	-	-	88	817179	807827	-	-	-			
						1.0	0.1	27	28.5	28.5	8.2	8.2	15.2	15.3	85.4	6.1	5.7	7	-	-												
						4.7	0.3	70	25.3	25.3	8.0	8.0	29.4	29.4	53.7	3.7	6.8	6	-	-												
					4.7	0.3	70	25.3	25.3	8.0	8.0	29.4	29.4	53.7	3.7	6.7	7	-	-													
					8.3	0.2	72	25.3	25.3	8.0	8.0	29.6	29.6	54.1	3.8	7.8	7	-	-													
					8.3	0.2	77	25.3	25.3	8.0	8.0	29.6	29.6	54.3	3.8	7.8	7	-	-													
SR5A	Sunny	Calm	08:02	4.0	Surface	1.0	0.1	13	29.1	29.1	8.3	8.3	15.4	15.4	108.5	108.5	7.7	5.1	5	-	-	-	-	88	816570	810713	-	-	-			
						1.0	0.1	13	29.1	29.1	8.3	8.3	15.4	15.4	108.4	7.7	5.5	6	-	-												
						-	-	-	-	-	-	-	-	-	-	-	-	7.7	5.1	5	-	-										
					-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-												
					3.0	0.0	318	28.8	28.8	8.3	8.3	17.7	17.7	101.5	7.1	6.5	6	-	-													
					3.0	0.0	327	28.8	28.8	8.3	8.3	17.7	17.7	101.4	7.1	6.6	5	-	-													
SR6A	Sunny	Calm	07:35	4.6	Surface	1.0	0.1	332	28.0	28.0	8.0	8.0	18.6	18.6	90.8	90.7	6.4	9.5	4	-	-	-	-	88	817948	814730	-	-	-			
						1.0	0.1	349	27.9	27.9	8.0	8.0	18.6	18.6	90.6	6.4	9.8	4	-	-												
						-	-	-	-	-	-	-	-	-	-	-	-	6.4	9.5	4	-	-										
					-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-												
					3.6	0.1	161	27.7	27.7	7.8	7.8	22.0	22.0	77.5	5.4	10.6	4	-	-													
					3.6	0.1	162	27.7	27.7	7.8	7.8	22.0	22.0	77.9	5.4	10.5	4	-	-													
SR7	Cloudy	Moderate	07:16	16.8	Surface	1.0	0.4	56	27.5	27.5	8.0	8.0	21.5	21.5	91.5	91.4	6.4	1.7	4	-	-	-	-	88	823637	823726	-	-	-			
						1.0	0.4	59	27.5	27.5	8.0	8.0	21.5	21.5	91.3	6.4	1.7	5	-	-												
						8.4	0.1	245	24.9	24.9	7.8	7.8	30.3	30.3	55.9	3.9	2.0	5	-	-												
					8.4	0.1	246	24.9	24.9	7.8	7.8	30.4	30.3	55.8	3.9	2.0	5	-	-													
					15.8	0.1	20	24.1	24.1	7.7	7.7	32.3	32.3	48.8	3.5	5.2	4	-	-													
					15.8	0.1	21	24.1	24.1	7.7	7.7	32.3	32.3	49.1	3.5	5.2	4	-	-													
SR8	Cloudy	Moderate	08:41	5.0	Surface	1.0	-	-	29.7	29.7	8.0	8.0	10.5	10.6	102.3	102.2	7.3	4.5	6	-	-	-	-	88	820387	811628	-	-	-			
						1.0	-	-	29.6	29.6	8.0	8.0	10.6	10.6	102.1	7.3	4.4	5	-	-												
						-	-	-	-	-	-	-	-	-	-	-	-	7.3	4.4	5	-	-										
					-	-	-	-	-																							

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

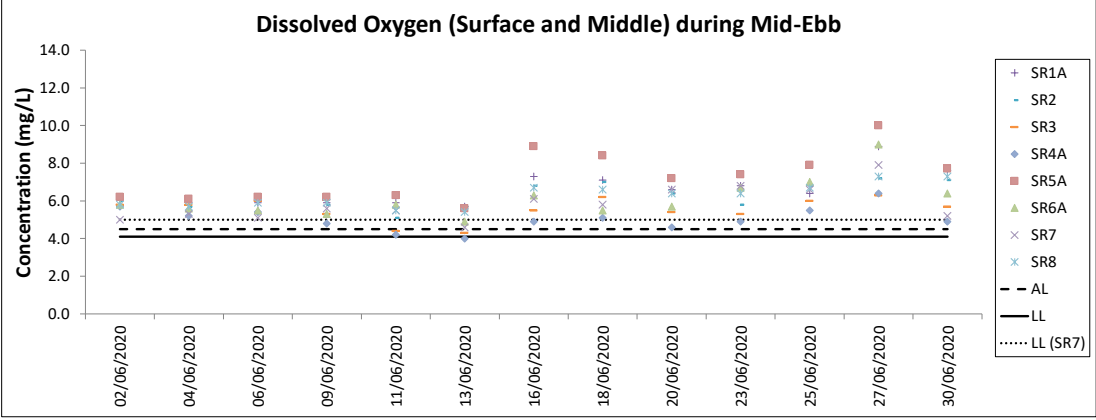
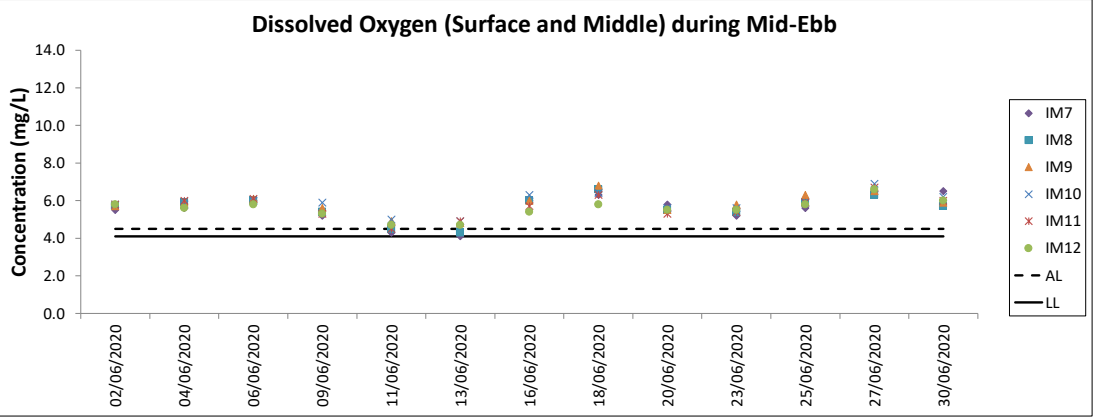
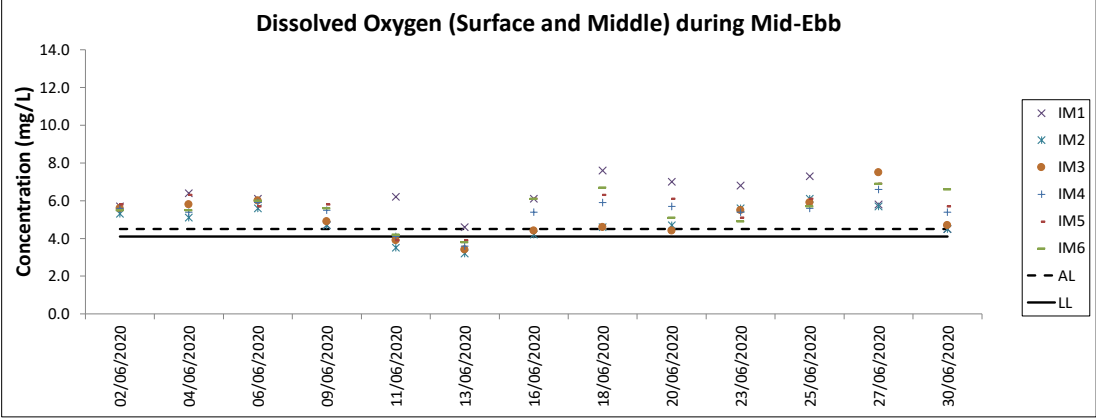
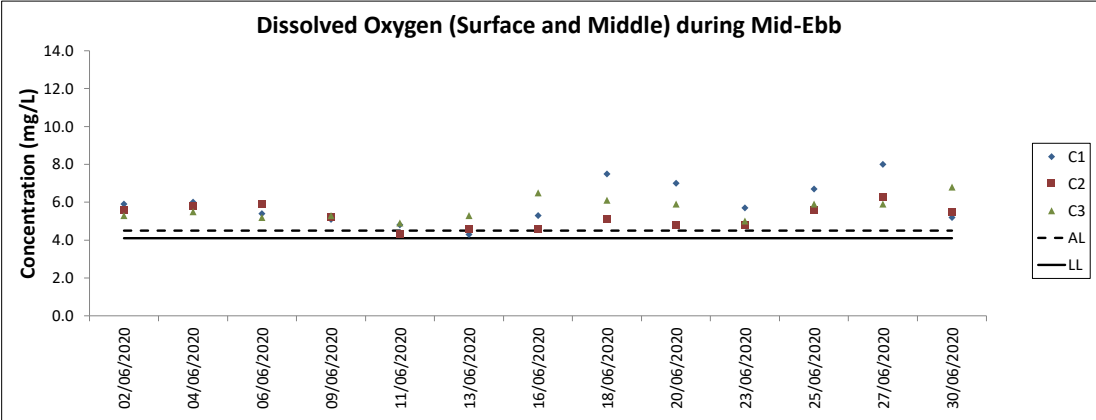
Water Quality Monitoring Results on 30 June 20 during Mid-Flood Tide

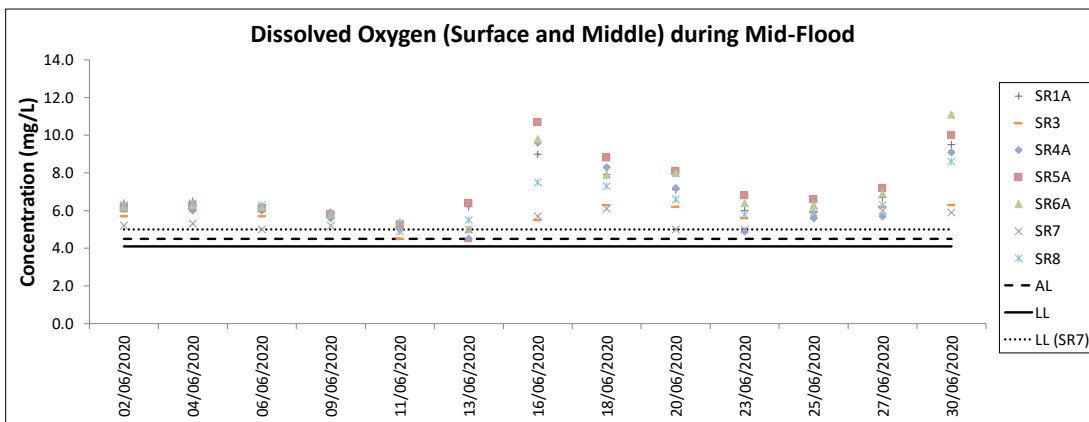
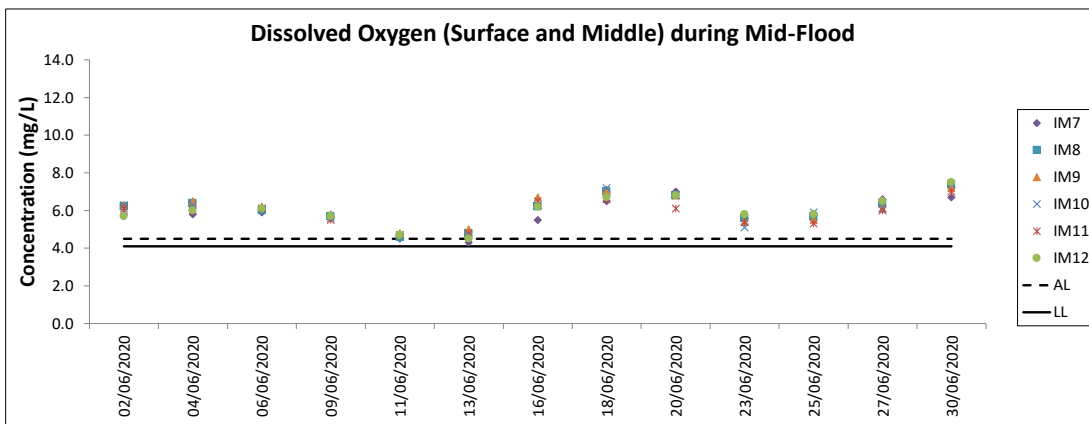
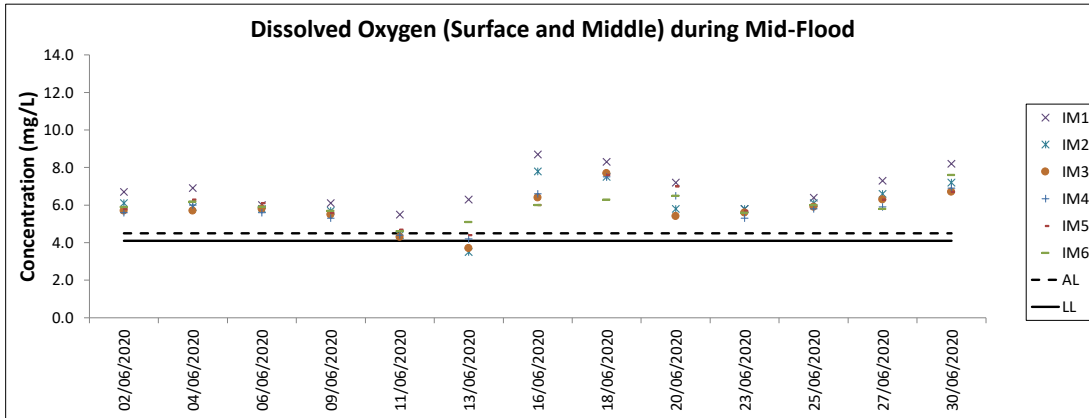
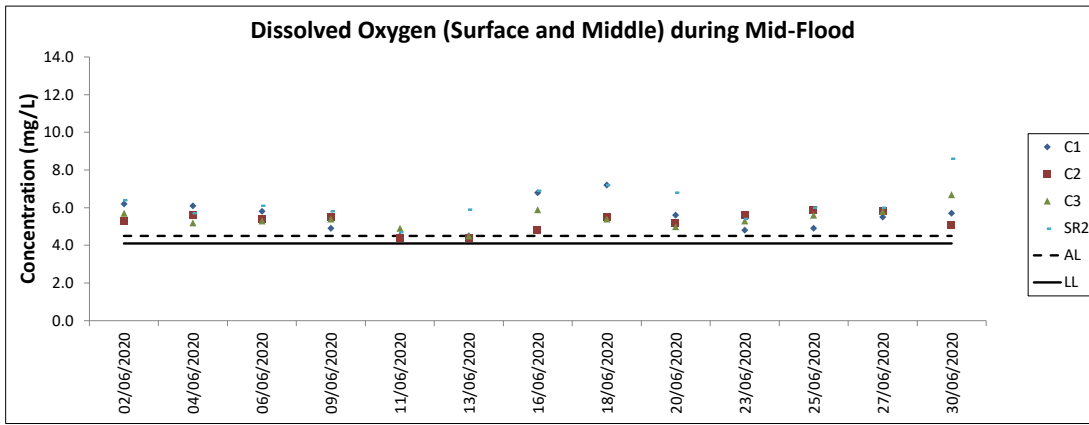
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA				
C1	Sunny	Moderate	14:32	8.0	Surface	1.0	0.3	43	30.0	30.0	8.3	8.3	9.8	9.8	98.6	98.0	7.1	7.2	4	4	85	85	89	89	89	815623	804248	<0.2	0.8	<0.2	0.8							
						1.0	0.3	46	30.0	8.3	8.3	9.9	9.9	7.0	7.1	4	4	85	85	89	89																	
					Middle	4.0	0.3	47	26.0	26.0	8.1	8.1	26.1	26.1	60.6	60.6	4.3	4.3	7.9	7.8	5	5	88	88				91	91	<0.2	0.9	<0.2	0.9					
						4.0	0.3	48	25.9	25.9	8.1	8.1	26.1	26.1	60.6	60.6	4.3	4.3	8.0	8.0	6	6	89	89				92	92	<0.2	0.9	<0.2	0.9					
					Bottom	7.0	0.3	34	25.7	25.7	8.1	8.1	28.3	28.3	60.2	60.2	4.2	4.2	8.4	8.4	5	5	90	90				92	92	<0.2	0.8	<0.2	0.8					
						7.0	0.3	36	25.7	25.7	8.1	8.1	28.4	28.3	60.4	60.4	4.2	4.2	8.4	8.4	6	6	92	92				<0.2	0.8	<0.2	0.8							
C2	Cloudy	Moderate	13:20	11.0	Surface	1.0	0.6	195	29.3	29.3	7.9	7.9	8.4	8.5	86.1	85.5	6.3	6.3	4	4	86	86	87	87	88	825677	806930	<0.2	0.9	<0.2	1.0							
						1.0	0.6	197	29.2	29.2	7.9	7.9	8.5	8.5	6.2	6.2	4	4	87	87	88	88																
					Middle	5.5	0.2	298	26.4	26.4	7.7	7.7	25.1	25.2	56.0	55.9	3.9	3.9	8.1	8.1	4	4	88	88				91	91	<0.2	1.1	<0.2	1.1					
						5.5	0.2	298	26.4	26.4	7.7	7.7	25.3	25.2	55.8	55.8	3.9	3.9	8.6	8.6	5	5	88	88				92	92	<0.2	1.2	<0.2	1.2					
					Bottom	10.0	0.2	311	26.2	26.2	7.7	7.7	25.8	25.8	56.2	56.4	3.9	3.9	12.3	12.3	4	4	90	90				92	92	<0.2	1.2	<0.2	1.2					
						10.0	0.2	336	26.2	26.2	7.7	7.7	25.8	25.8	56.5	56.5	3.9	3.9	13.1	13.1	4	4	90	90				<0.2	1.1	<0.2	1.1							
C3	Cloudy	Moderate	14:58	11.5	Surface	1.0	0.2	237	29.2	29.2	8.2	8.2	15.6	15.6	129.5	129.5	9.1	9.1	2.8	2.8	4	4	87	87	88	822108	817808	<0.2	1.2	<0.2	1.3							
						1.0	0.2	242	29.2	29.2	8.2	8.2	15.6	15.6	129.4	129.4	9.1	9.1	2.7	2.7	5	5	86	86														
					Middle	5.8	0.2	213	26.1	26.1	7.7	7.7	26.3	26.2	61.5	61.6	4.3	4.3	3.1	3.1	4	4	88	88				91	91	<0.2	1.2	<0.2	1.2					
						5.8	0.2	218	26.1	26.1	7.7	7.7	26.2	26.2	61.7	61.7	4.3	4.3	3.1	3.1	5	5	89	89				92	92	<0.2	1.3	<0.2	1.3					
					Bottom	10.5	0.4	263	24.5	24.6	7.7	7.7	31.2	31.2	52.1	52.3	3.6	3.7	9.5	9.4	4	4	90	90				92	92	<0.2	1.2	<0.2	1.2					
						10.5	0.4	273	24.6	24.6	7.7	7.7	31.2	31.2	52.5	52.5	3.7	3.7	9.4	9.4	4	4	90	90				<0.2	1.2	<0.2	1.2							
IM1	Sunny	Moderate	14:09	4.6	Surface	1.0	0.2	327	29.9	29.9	8.4	8.4	9.9	9.9	113.7	113.6	8.2	8.2	9.2	9.2	6	6	87	87	90	817940	807111	<0.2	1.0	<0.2	1.1							
						1.0	0.2	331	29.8	29.8	8.4	8.4	9.8	9.8	113.5	113.5	8.2	8.2	9.1	9.1	6	6	86	86														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.2	282	29.7	29.8	8.4	8.4	15.5	15.8	112.1	112.2	7.8	7.8	8.8	8.8	7	7	93	93				92	92	<0.2	1.2	<0.2	1.0					
						3.6	0.2	285	29.8	29.8	8.4	8.4	16.2	16.2	112.2	112.2	7.8	7.8	9.0	9.0	6	6	93	93				<0.2	1.0	<0.2	1.0							
IM2	Sunny	Moderate	14:02	6.6	Surface	1.0	0.7	345	29.8	29.8	8.3	8.3	8.8	8.8	106.6	106.5	7.7	7.7	6.8	6.8	3	3	87	87	91	818170	806167	<0.2	1.1	<0.2	1.1							
						1.0	0.7	317	29.7	29.7	8.3	8.3	8.8	8.8	106.3	106.3	7.7	7.7	6.8	6.8	3	3	87	87														
					Middle	3.3	0.4	313	28.9	28.9	8.2	8.2	15.1	15.0	94.9	94.7	7.2	7.2	7.2	7.2	3	3	91	91				92	92	<0.2	1.1	<0.2	1.1					
						3.3	0.4	332	28.9	28.9	8.2	8.2	14.8	14.8	94.4	94.4	6.7	6.7	7.2	7.2	3	3	92	92				<0.2	1.0	<0.2	1.0							
					Bottom	5.6	0.2	225	25.5	25.5	8.0	8.0	27.4	28.3	55.2	55.1	3.8	3.8	7.7	7.7	4	4	93	93				92	92	<0.2	1.1	<0.2	1.1					
						5.6	0.2	232	25.5	25.5	8.0	8.0	29.3	28.3	54.9	54.9	3.8	3.8	7.7	7.7	4	4	94	94				<0.2	1.1	<0.2	1.1							
IM3	Sunny	Moderate	13:51	6.5	Surface	1.0	0.6	324	28.9	28.9	8.2	8.2	14.0	13.8	103.9	103.9	7.4	7.4	5.5	5.5	3	3	87	87	90	818799	805594	<0.2	1.2	<0.2	1.1							
						1.0	0.6	346	28.8	28.8	8.2	8.2	13.7	13.7	103.9	103.9	7.4	7.4	5.6	5.6	3	3	87	87														
					Middle	3.3	0.5	290	27.5	27.5	8.1	8.1	21.5	21.5	85.7	85.6	6.0	6.0	5.6	5.6	3	3	91	91				92	92	<0.2	1.2	<0.2	1.1					
						3.3	0.5	296	27.5	27.5	8.1	8.1	21.5	21.5	85.4	85.4	6.0	6.0	5.7	5.7	3	3	90	90				92	92	<0.2	1.1	<0.2	1.1					
					Bottom	5.5	0.3	266	25.7	25.7	8.1	8.1	28.3	28.3	56.7	56.7	3.9	3.9	7.6	7.6	3	3	93	93				92	92	<0.2	1.2	<0.2	1.2					
						5.5	0.3	277	25.7	25.7	8.1	8.1	28.3	28.3	56.4	56.4	3.9	3.9	7.5	7.5	4	4	94	94				<0.2	1.1	<0.2	1.1							
IM4	Sunny	Moderate	13:40	7.8	Surface	1.0	0.5	304	28.1	28.1	8.3	8.3	19.2	19.2	106.6	106.6	7.5	7.5	3.7	3.7	4	4	87	87	90	819736	804583	<0.2	1.1	<0.2	1.2							
						1.0	0.5	315	28.1	28.1	8.3	8.3	19.2	19.2	106.5	106.5	7.5	7.5	3.7	3.7	4	4	87	87														
					Middle	3.9	0.5	302	27.5	27.5	8.2	8.2	21.7	21.7	90.4	90.2	6.3	6.3	5.7	5.7	4	4	90	90				92	92	<0.2	1.2	<0.2	1.2					
						3.9	0.5	309	27.5	27.5	8.2	8.2	21.7	21.7	89.9	89.9	6.3	6.3	5.8	5.8	3	3	90	90				92	92	<0.2	1.2	<0.2	1.2					
					Bottom	6.8	0.4	317	25.6	25.6	8.1	8.1	28.7	28.7	59.8	60.1	4.2	4.2	7.6	7.6	3	3	93	93				92	92	<0.2	1.2	<0.2	1.2					
						6.8	0.4	337	25.6	25.6	8.1	8.1	28.7	28.7	60.3	60.3	4.2	4.2	7.7	7.7	3	3	94	94				<0.2	1.2	<0.2	1.2							
IM5	Sunny	Moderate	13:32	7.0	Surface	1.0	0.4	265	30.1	30.1	8.3	8.3	9.5	9.5	107.3	107.1	7.7	7.7	5.8	5.8	3	3	87	87	90	820753	804862	<0.2	1.2	<0.2	1.2							
						1.0	0.5	279	30.1	30.1	8.3	8.3	9.5	9.5	106.8	106.8	7.7	7.7	6.1	6.1	4	4	87	87														
					Middle	3.5	0.3	310	27.9	28.0	8.1	8.1	18.6	18.6	80.2	80.2	5.7	5.7	7.0	7.0	4	4	91	91				92	92	<0.2	1.2	<0.2	1.2					
						3.5	0.3	328	28.0	28.0	8.1	8.1	18.5	18.6	80.1	80.1	5.7	5.7	7.1	7.1	4	4	91	91				92	92	<0.2	1.2	<0.2	1.2					
					Bottom	6.0	0.3	2	26.0	26.0	8.1	8.1	27.8	27.8	62.6	63.0	4.4	4.4	8.4	8.4	4	4	93	93				92	92	<0.2	1.2	<0.2	1.2					
						6.0	0.3	2	26.0	26.0	8.1	8.1	27.8	27.8	63.4	63.4	4.4	4.4	8.3	8.3	4	4	92	92				<0.2	1.2	<0.2	1.2							
IM6	Sunny	Moderate	13:26	6.9	Surface	1.0	0.6	258	29.9	29.9	8.3	8.3	8.3	8.3	108.1	108.0	7.8	7.8	5.4	5.4																		

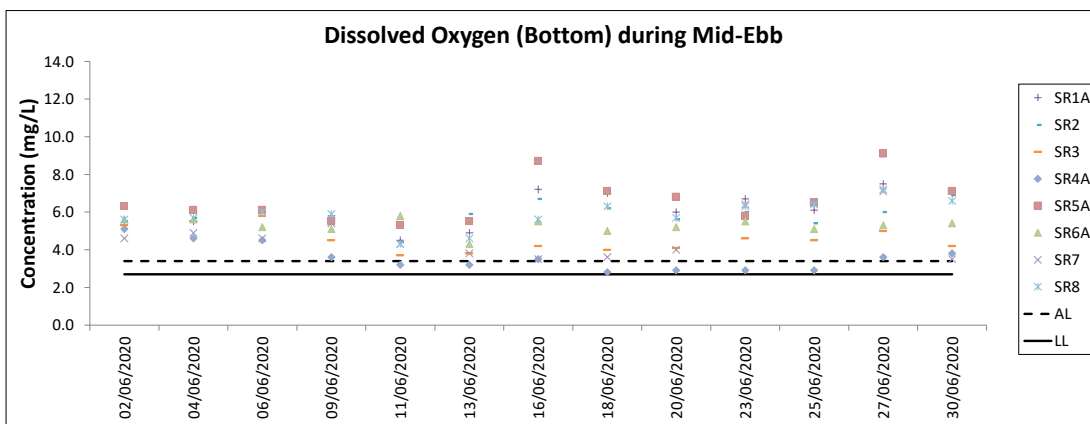
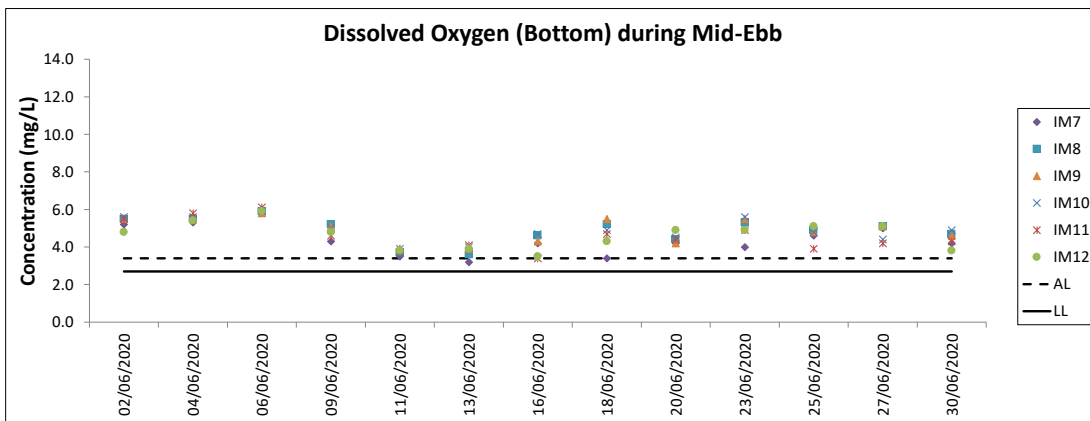
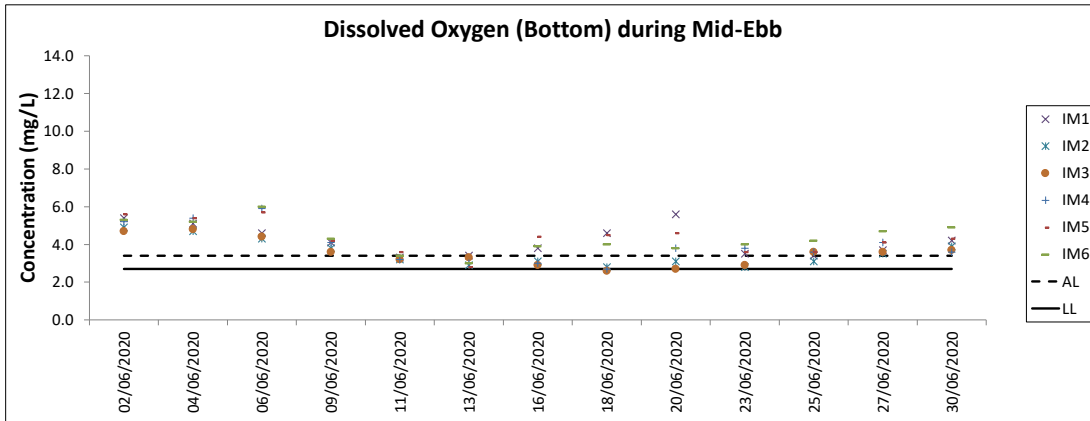
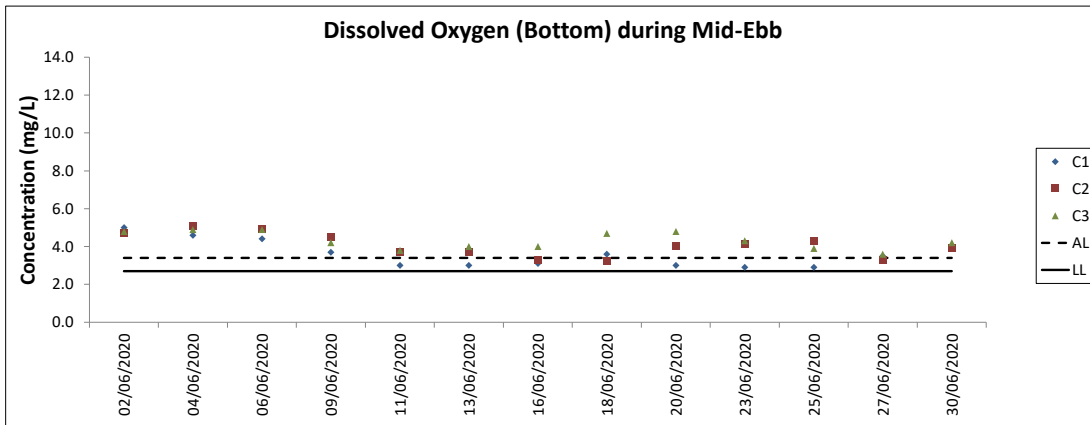
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

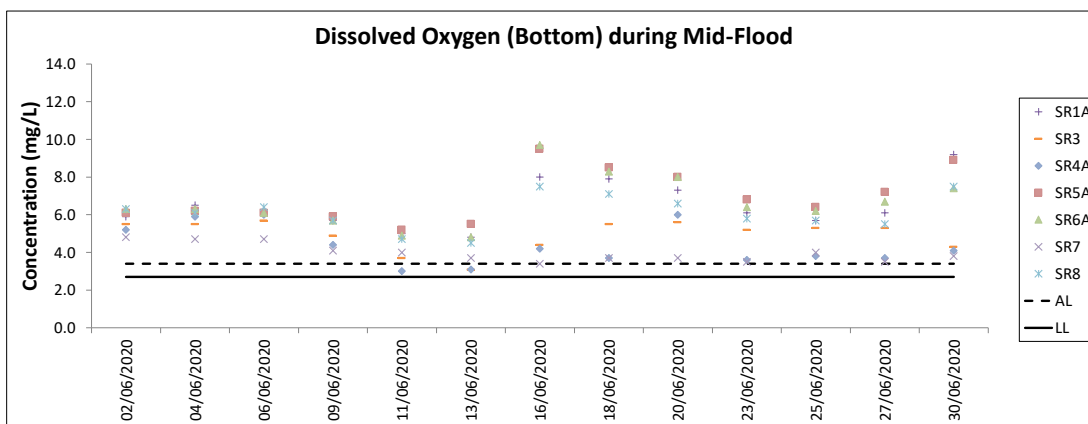
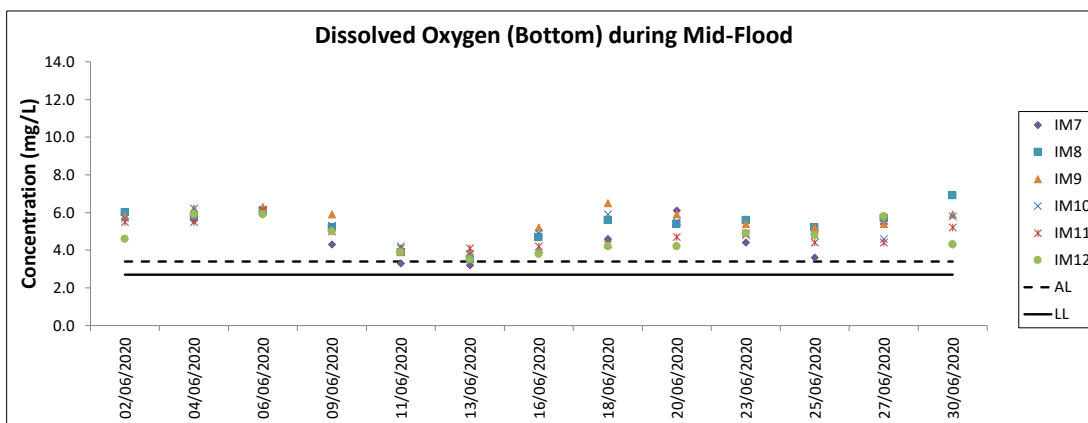
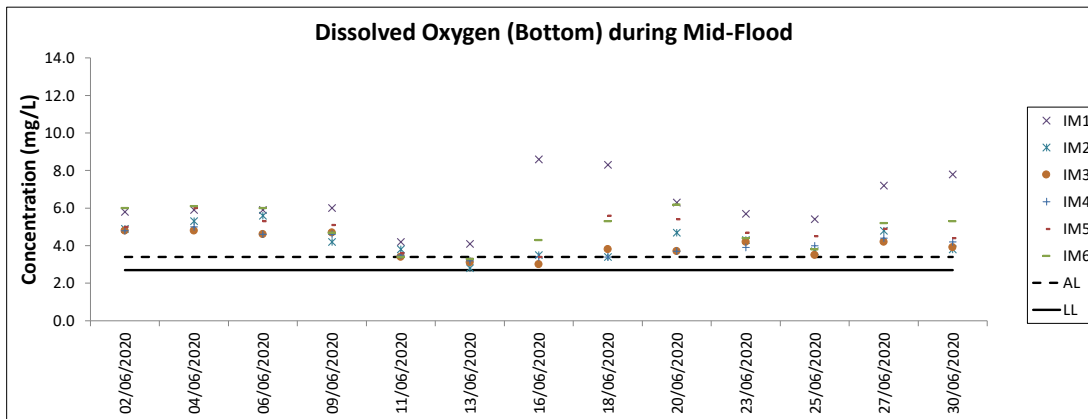
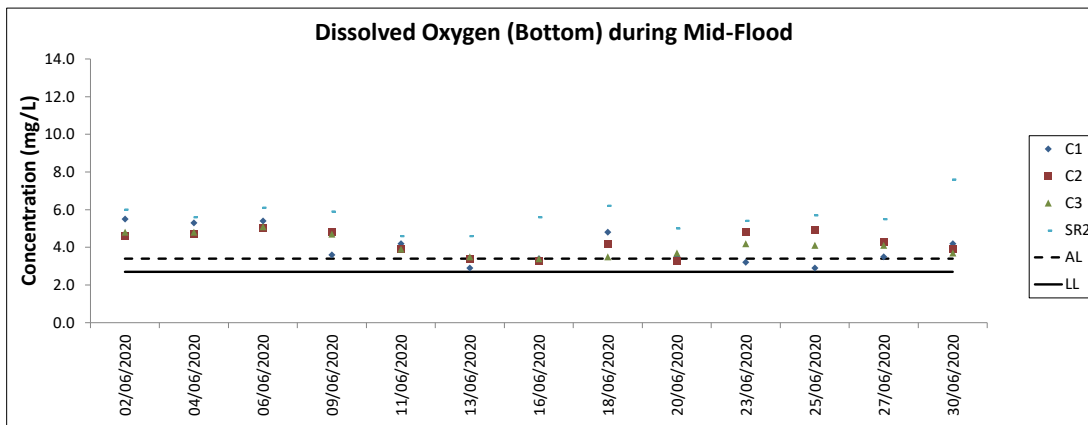
Water Quality Monitoring Results on 30 June 20 during Mid-Flood Tide

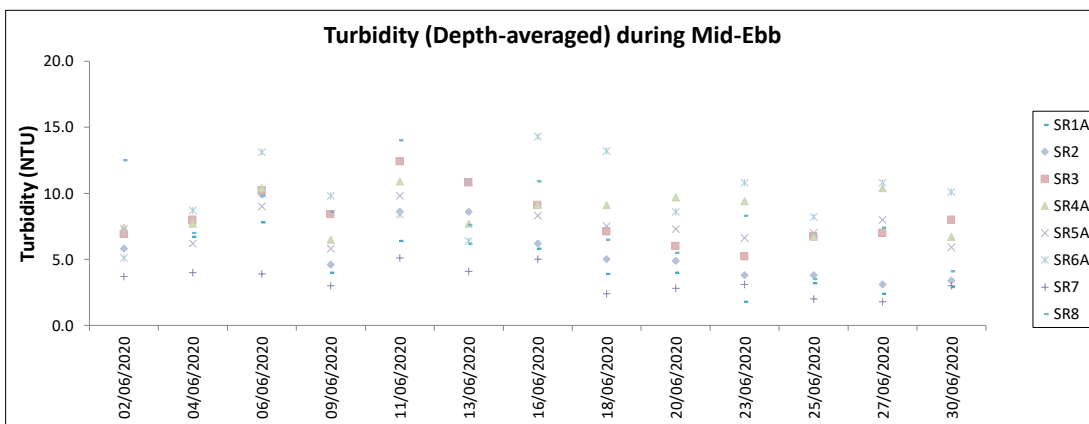
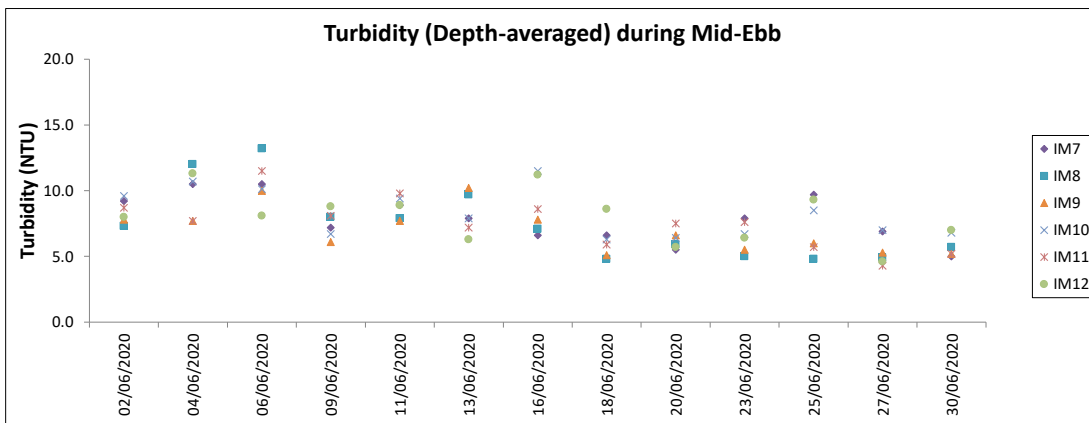
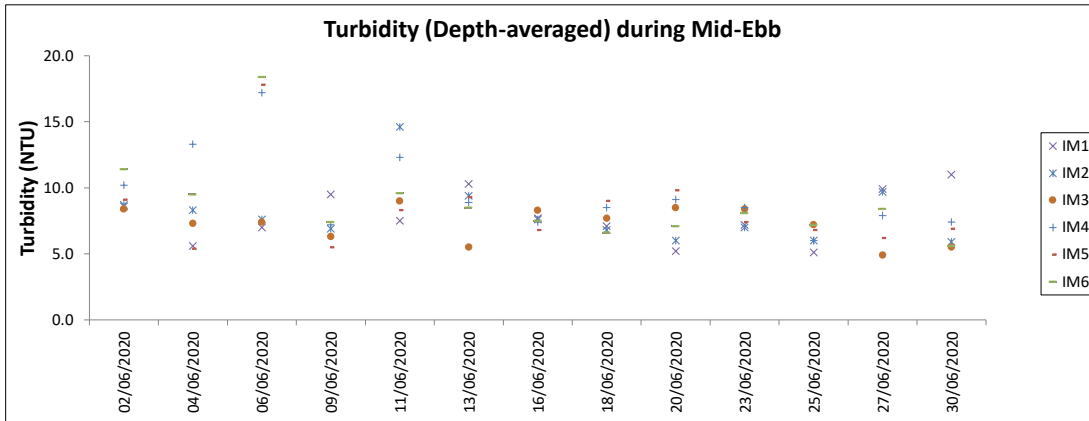
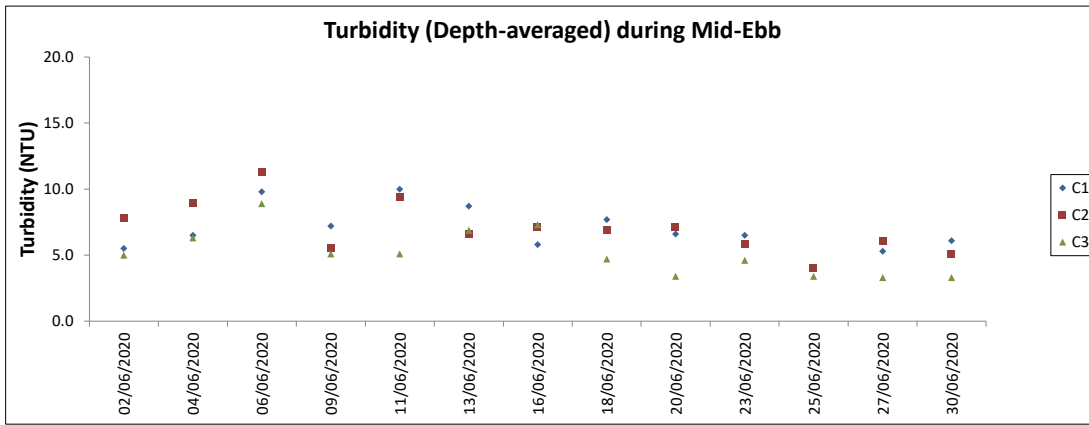
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	13:44	6.2	Surface	1.0	0.0	201	30.4	30.4	8.0	8.0	6.9	6.9	102.4	102.4	7.4	7.4	5.4	5.4	3	3	86	86	88	822076	808802	<0.2	1.2	<0.2	1.2						
						1.0	0.0	202	30.3	30.0	8.0	8.0	7.0	7.0	102.3	102.3	7.4	7.4	5.3	5.3	2	2	86	86				<0.2	1.3								
						3.1	0.1	303	30.0	30.0	8.0	7.9	8.3	8.4	95.8	95.3	6.9	6.9	5.6	5.6	3	2	88	90				<0.2	1.2								
					3.1	0.1	318	30.0	30.0	7.9	7.9	8.4	8.4	94.8	94.8	6.9	6.9	5.6	5.6	2	2	90	90	<0.2				1.2									
					5.2	0.2	232	28.6	28.6	7.8	7.8	15.9	15.9	83.0	83.0	5.9	5.9	6.3	6.3	3	3	90	90	<0.2				1.3									
					5.2	0.2	238	28.6	28.6	7.8	7.8	15.9	15.9	82.9	82.9	5.9	5.9	6.4	6.4	<2	<2	90	90	<0.2				1.2									
IM10	Cloudy	Moderate	13:50	6.3	Surface	1.0	0.1	250	30.3	30.3	8.0	8.0	8.1	8.1	106.6	106.6	7.7	7.7	4.8	4.8	2	2	87	87	88	822370	809778	<0.2	1.1	<0.2	1.1						
						1.0	0.1	272	30.2	29.5	8.0	8.0	12.4	12.4	98.6	98.4	7.0	7.0	4.2	4.2	2	2	88	88				<0.2	1.3								
						3.2	0.2	299	29.5	29.5	8.0	8.0	12.3	12.3	98.2	98.2	7.0	7.0	4.2	4.2	3	3	88	88				<0.2	1.2								
					3.2	0.2	300	29.5	29.5	8.0	8.0	12.3	12.3	98.2	98.2	7.0	7.0	4.2	4.2	3	3	90	90	<0.2				1.3									
					5.3	0.3	281	28.0	28.0	7.8	7.8	14.7	15.2	81.9	80.5	5.9	5.8	6.3	6.3	3	3	90	90	<0.2				1.3									
					5.3	0.3	289	28.0	28.0	7.8	7.8	15.6	15.2	79.0	79.0	5.7	5.7	6.5	6.5	3	3	90	90	<0.2				1.3									
IM11	Cloudy	Moderate	14:00	6.6	Surface	1.0	0.1	242	30.0	30.0	8.0	8.0	10.0	10.0	104.3	104.3	7.5	7.5	4.5	4.5	2	2	86	86	88	822070	811481	<0.2	1.2	<0.2	1.2						
						1.0	0.1	261	30.0	29.3	8.0	8.0	13.0	13.0	92.4	92.4	6.6	6.6	4.3	4.3	2	2	88	88				<0.2	1.4								
						3.3	0.3	297	29.3	29.4	8.0	8.0	13.0	13.0	89.7	89.7	6.4	6.4	4.3	4.3	2	2	88	88				<0.2	1.3								
					3.3	0.3	325	29.4	29.4	8.0	8.0	13.0	13.0	89.7	89.7	6.4	6.4	4.3	4.3	2	2	90	90	<0.2				1.2									
					5.6	0.5	278	27.4	27.4	7.7	7.7	19.4	20.4	72.8	72.8	5.2	5.1	5.1	5.1	3	3	90	90	<0.2				1.2									
					5.6	0.6	285	27.3	27.4	7.7	7.7	21.4	20.4	72.8	72.8	5.2	5.1	5.1	5.1	3	3	90	90	<0.2				1.4									
IM12	Cloudy	Moderate	14:06	8.3	Surface	1.0	0.2	301	29.9	29.9	8.1	8.1	11.6	11.6	114.0	113.8	8.1	8.1	3.5	3.5	2	2	87	87	88	821480	812062	<0.2	1.3	<0.2	1.3						
						1.0	0.2	326	29.8	29.8	8.1	8.1	11.6	11.6	113.5	113.5	8.1	8.1	3.6	3.6	3	3	87	87				<0.2	1.4								
						4.2	0.4	286	28.7	28.7	8.0	8.0	16.5	16.5	98.3	98.0	6.9	6.9	3.7	3.7	3	3	88	88				<0.2	1.2								
					4.2	0.4	291	28.7	28.7	8.0	8.0	16.5	16.5	97.7	98.0	6.9	6.9	3.8	3.8	2	2	87	87	<0.2				1.3									
					7.3	0.3	285	25.8	25.8	7.7	7.7	27.2	27.3	61.1	61.2	4.3	4.3	9.1	9.1	3	3	90	90	<0.2				1.3									
					7.3	0.3	290	25.7	25.8	7.7	7.7	27.5	27.3	61.2	61.2	4.3	4.3	9.1	9.1	3	3	90	90	<0.2				1.2									
SR1A	Cloudy	Moderate	14:24	4.8	Surface	1.0	-	-	30.0	30.0	8.2	8.2	12.3	12.3	133.6	133.6	9.5	9.5	3.2	3.2	4	4	-	-	88	819975	812654	-	-	-	-						
						1.0	-	-	29.9	29.9	8.2	8.2	12.3	12.3	133.6	133.6	9.5	9.5	3.2	3.2	3	3	-	-				-	-								
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-
					2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-
					3.8	-	-	29.8	29.8	8.2	8.2	14.2	14.2	131.5	130.7	9.2	9.2	3.5	3.5	2	2	-	-	-				-	-		-	-	-	-	-	-	-
					3.8	-	-	29.8	29.8	8.2	8.2	14.2	14.2	129.9	129.9	9.1	9.1	3.6	3.6	3	3	-	-	-				-	-		-	-	-	-	-	-	-
SR2	Cloudy	Moderate	14:36	3.8	Surface	1.0	0.2	168	29.8	29.8	8.1	8.1	11.6	11.6	120.2	120.2	8.6	8.6	3.9	3.9	3	3	88	88	89	821485	814161	<0.2	0.9	<0.2	0.9						
						1.0	0.2	183	29.7	29.7	8.1	8.1	11.6	11.6	120.1	120.1	8.6	8.6	4.0	4.0	2	2	87	87				<0.2	0.8								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-
					2.8	0.1	147	29.2	29.3	8.0	8.0	16.4	16.8	108.0	107.9	7.6	7.6	4.1	4.1	3	3	89	89	<0.2				1.4									
					2.8	0.1	149	29.3	29.3	8.0	8.0	17.2	16.8	107.7	107.7	7.5	7.5	4.1	4.1	3	3	90	90	<0.2				1.3									
					SR3	Cloudy	Moderate	13:35	8.6	Surface	1.0	0.2	209	29.7	29.7	8.0	8.0	9.0	9.0	97.4	97.3	7.1	7.1	4.2				4.2	3		3	-	-	88	822138	807569	-
1.0	0.2	214	29.6	29.6							8.0	8.0	9.0	9.0	97.1	97.1	7.0	7.0	4.2	4.2	3	3	-	-	-	-											
4.3	0.2	253	28.8	28.8							7.8	7.8	13.5	13.5	78.6	78.1	5.6	5.6	7.2	7.2	3	3	-	-	-	-											
4.3	0.2	258	28.8	28.8						7.8	7.8	13.5	13.5	77.6	78.1	5.6	5.6	7.7	7.7	2	2	-	-	-	-												
7.6	0.3	217	26.6	26.6						7.7	7.7	24.5	24.7	60.9	61.4	4.3	4.3	10.0	10.0	2	2	-	-	-	-												
7.6	0.3	231	26.6	26.6						7.7	7.7	24.8	24.7	61.9	61.4	4.3	4.3	10.1	10.1	2	2	-	-	-	-												
SR4A	Sunny	Calm	14:50	9.0	Surface	1.0	0.1	58	30.2	30.2	8.4	8.4	11.4	11.3	127.3	127.4	9.0	9.0	9.4	9.4	7	7	-	-	88	817171	807825	-	-	-	-						
						1.0	0.1	59	30.2	30.2	8.4	8.4	11.3	11.3	127.5	127.5	9.0	9.0	9.2	9.2	8	8	-	-				-	-								
						4.5	0.1	257	29.6	29.6	8.4	8.4	16.8	16.8	131.3	131.2	9.1	9.1	6.5	6.5	7	7	-	-				-	-								
					4.5	0.1	267	29.6	29.6	8.4	8.4	16.8	16.8	131.1	131.1	9.1	9.1	6.5	6.5	8	8	-	-	-				-									
					8.0	0.1	257	26.1	26.1	8.1	8.1	27.3	27.3	58.5	58.7	4.1	4.1	7.9	7.9	7	7	-	-	-				-									
					8.0	0.1	265	26.1	26.1	8.1	8.1	27.3	27.3	58.9	58.7	4.1	4.1	7.8	7.8	7	7	-	-	-				-									
SR5A	Sunny	Calm	15:06	3.6	Surface	1.0	0.1	233	29.9	29.9	8.5	8.5	16.6	16.6	144.6	144.4	10.0	10.0	6.8	6.8	5	5	-	-	88	816591	810674	-	-	-	-						
						1.0	0.1	253	29.8	29.8	8.5	8.5	16.7	16.6	144.1	144.1	10.0	10.0	6.9	6.9	5	5	-	-				-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-
					2.6	0.1	236	29.5	29.5	8.5	8.5	17.1	17.1	128.8	128.7	8.9	8.9	5.5	5.5	5	5	-	-	-				-									
					2.6	0.1	241	29.5	29.5	8.5	8.5	17.1	17.1	128.5	128.5	8.9	8.9	5.5	5.5	5	5	-	-	-				-									
					SR6A	Sunny	Calm	15:42	4.6	Surface	1.0	0.1	286	30.3	30.3	8.7	8.7	14.1	14.1	159.4	159.1	11.1	11.1	5.1				5.1	5		5	-	-	88	817968	814760	-
1.0	0.1	304	30.3	30.3							8.7																										



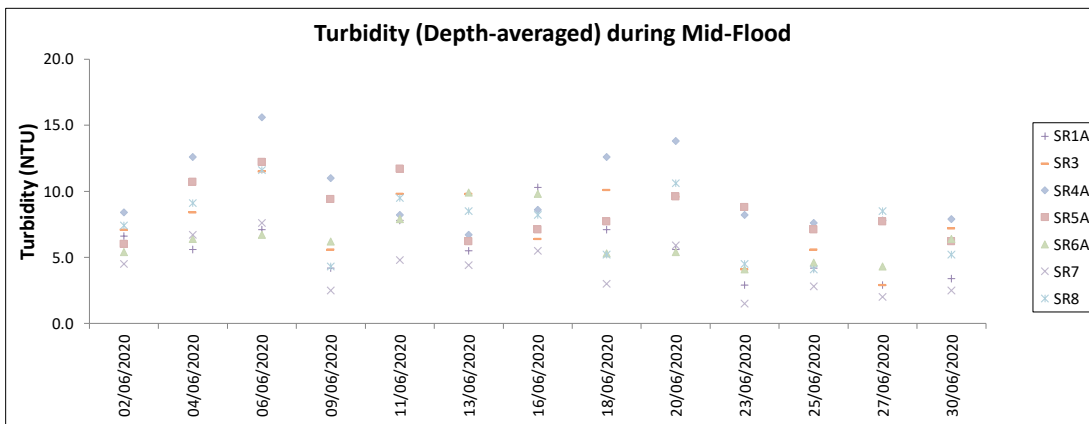
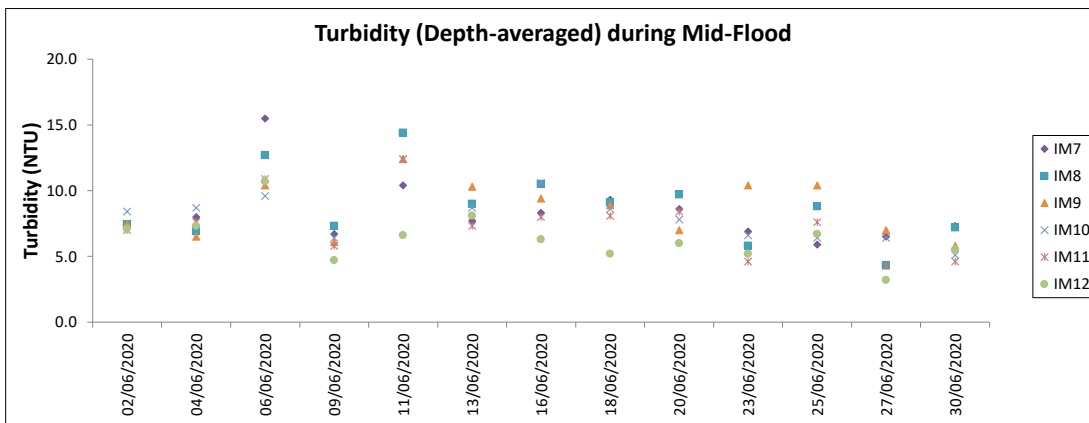
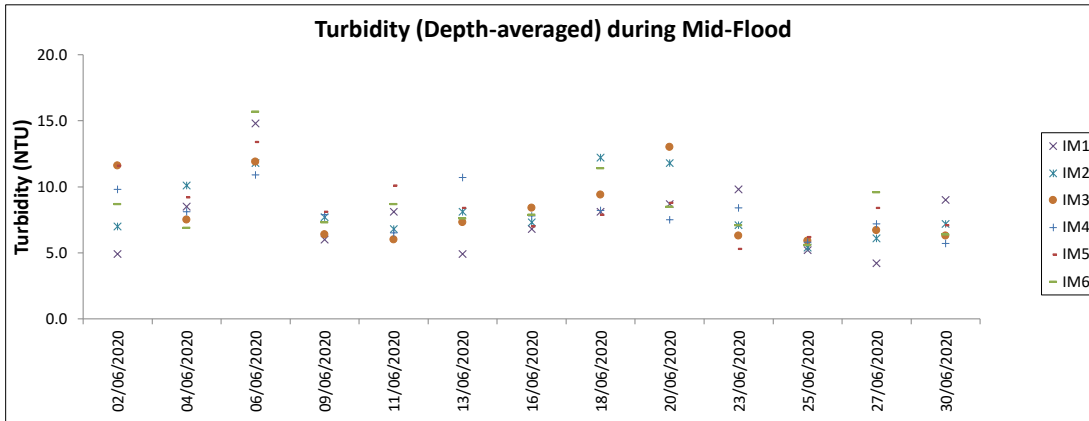
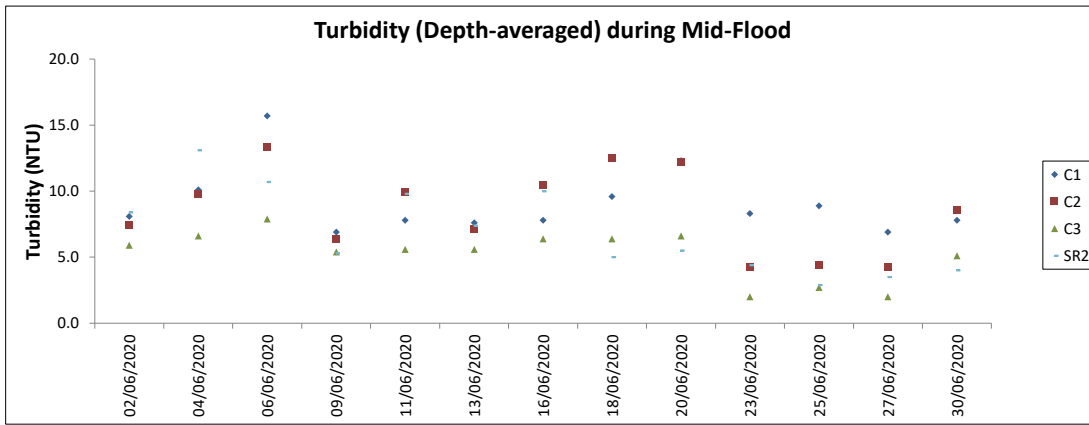




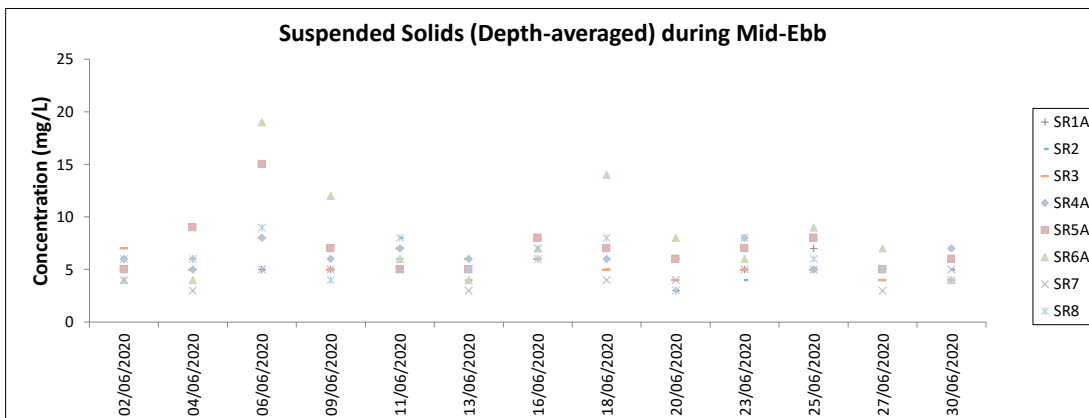
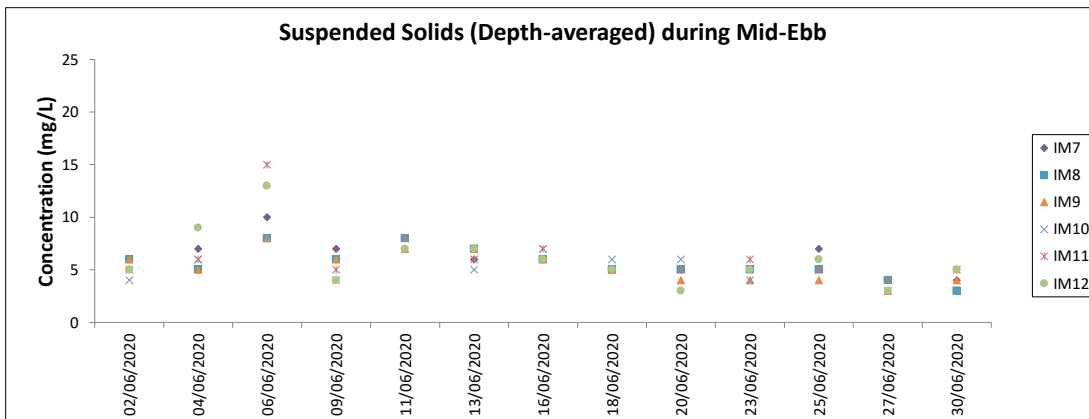
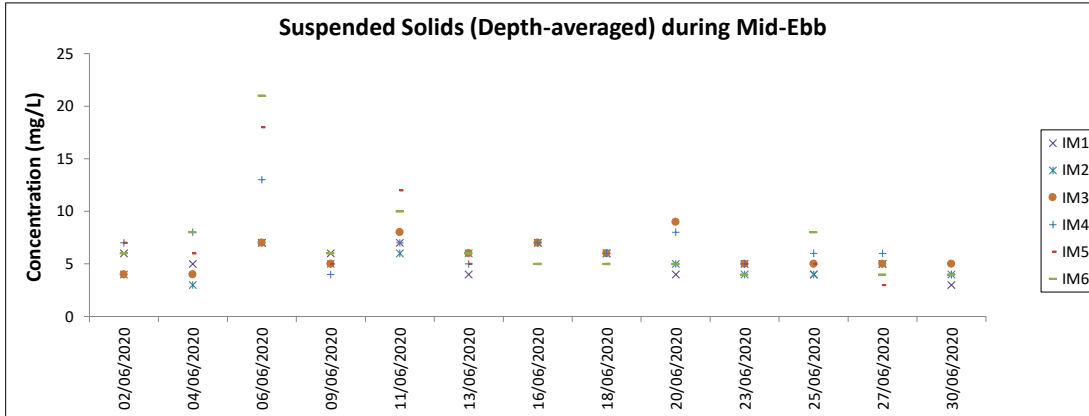
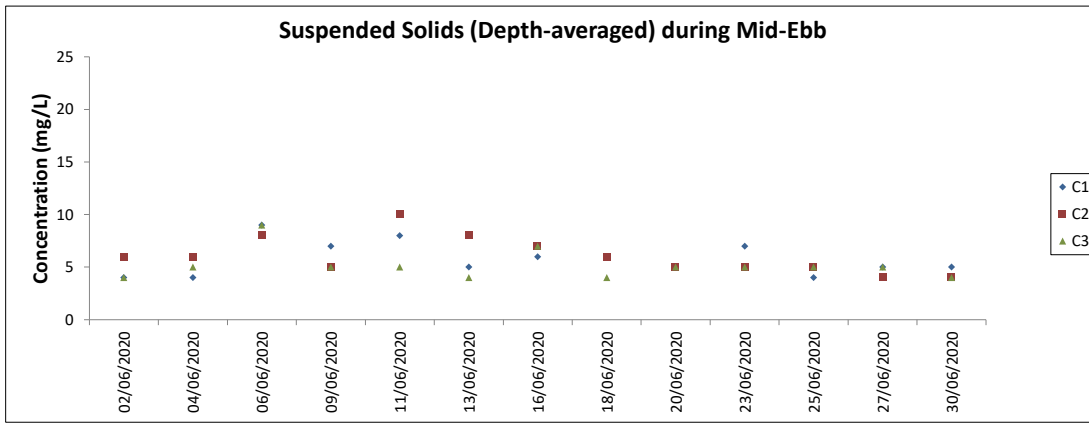




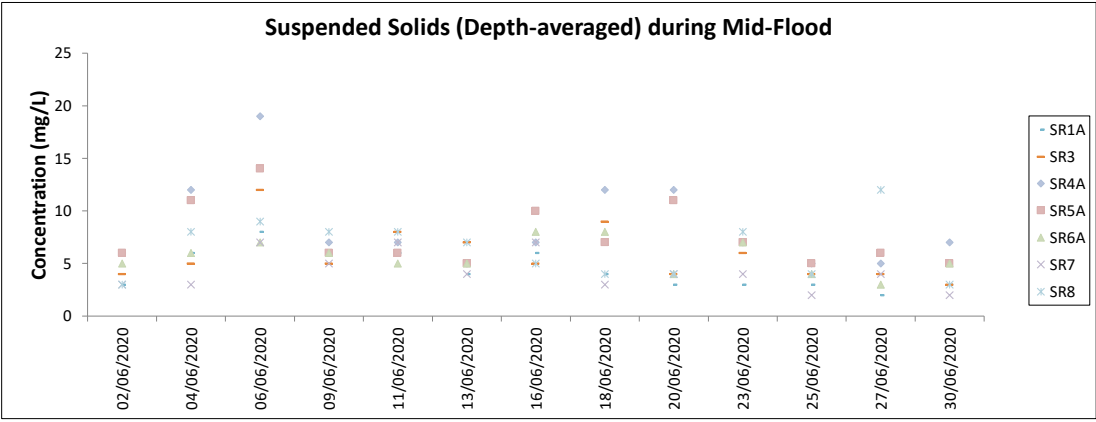
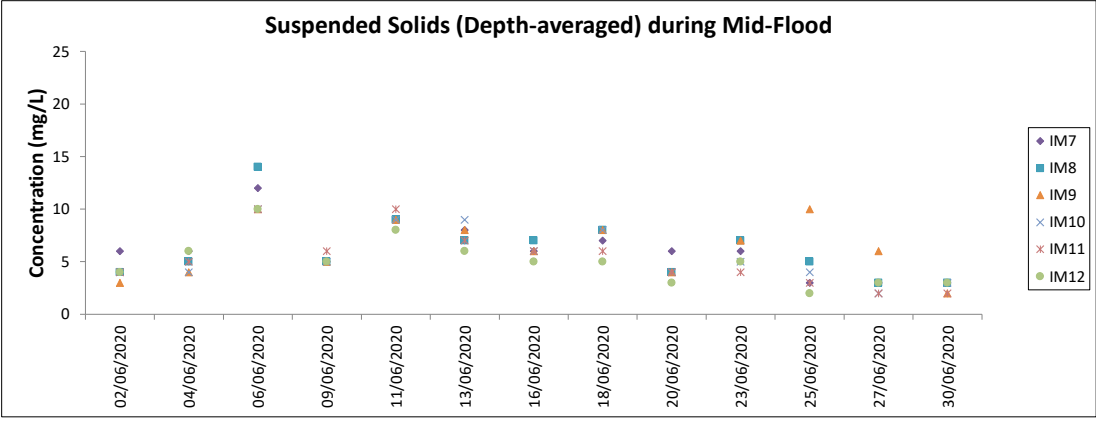
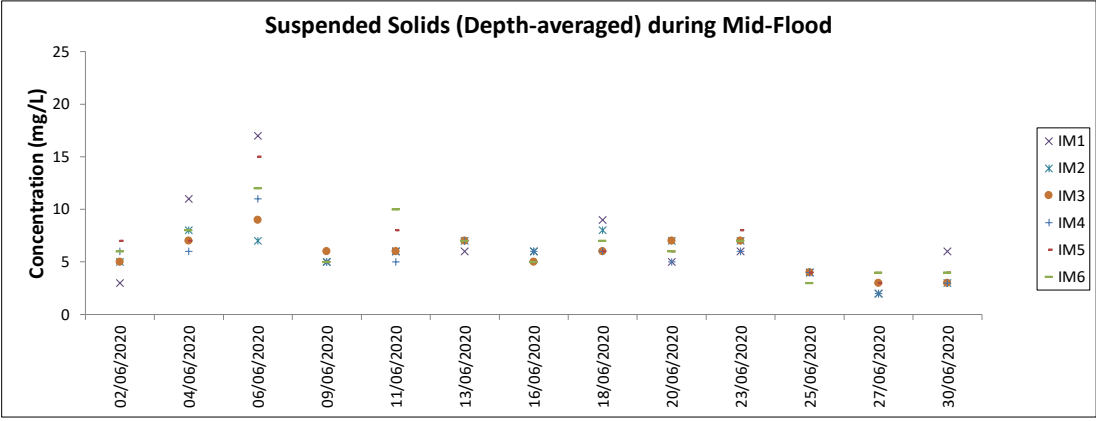
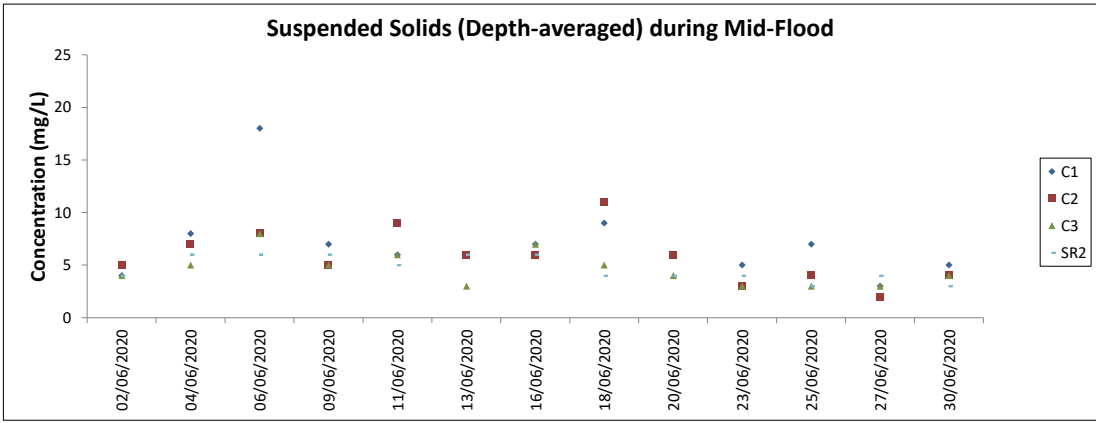
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



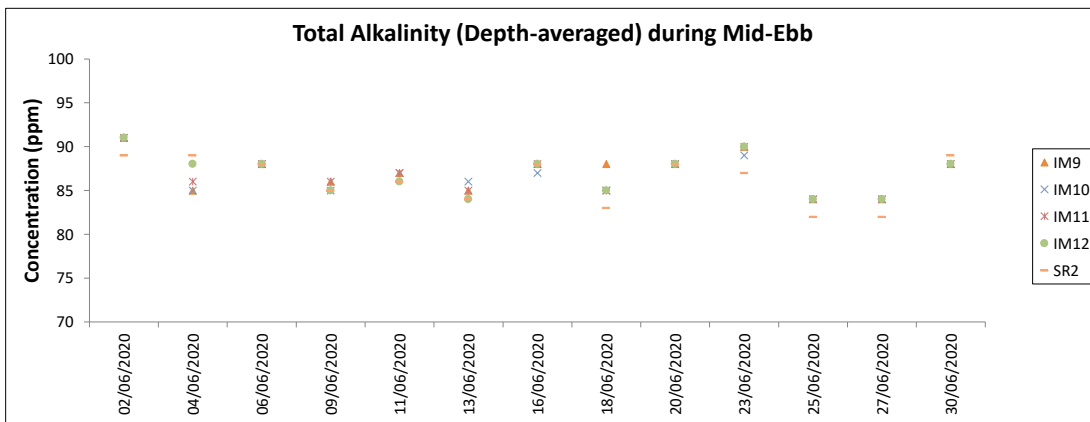
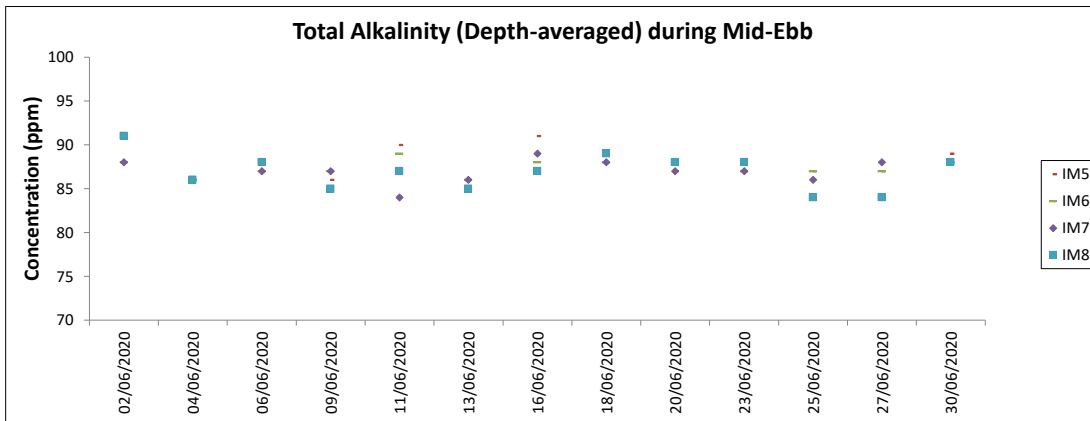
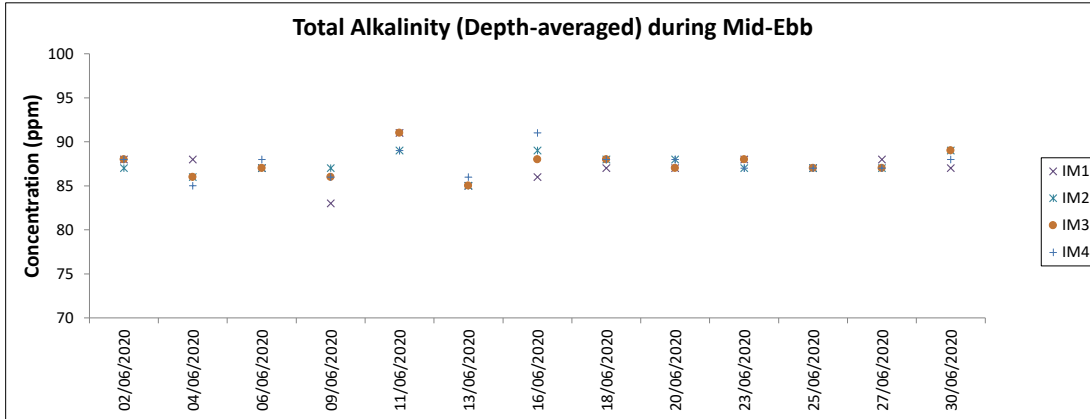
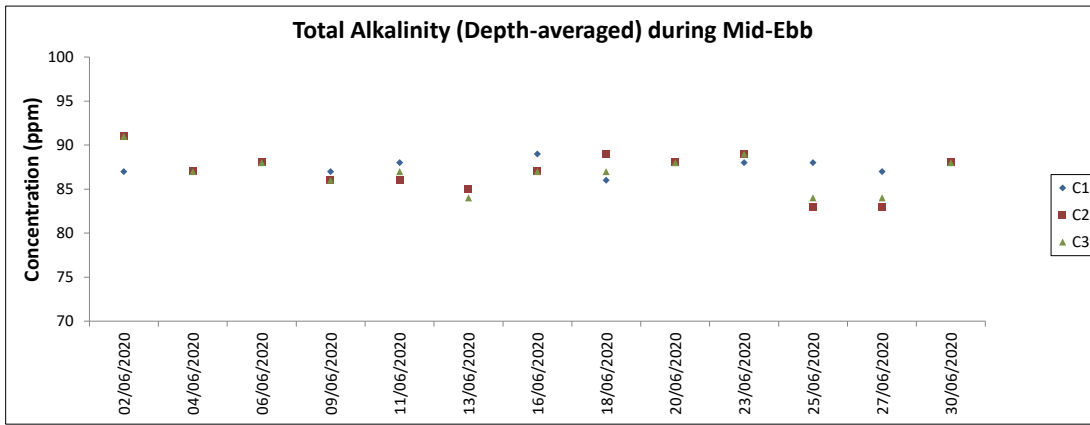
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



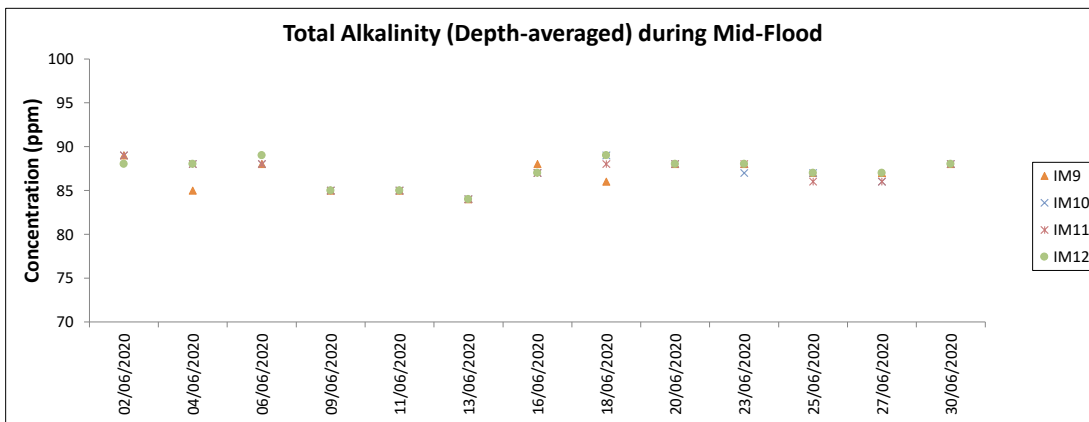
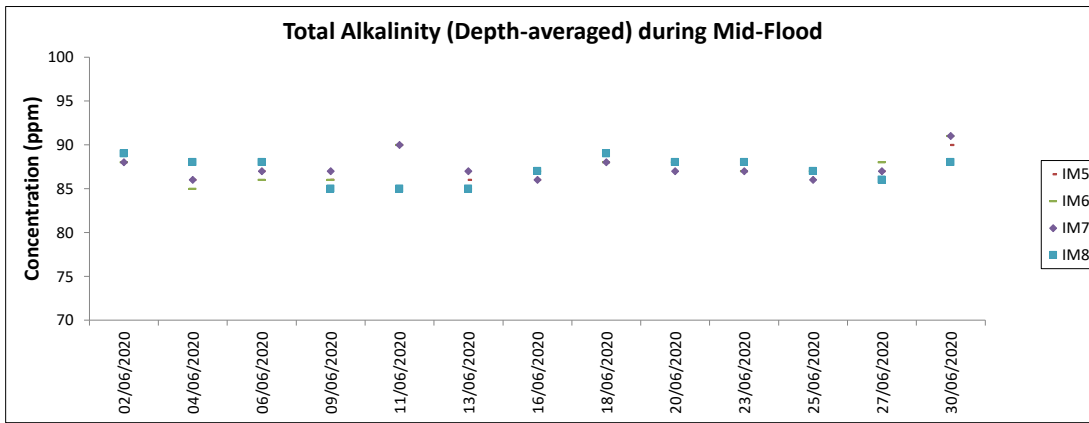
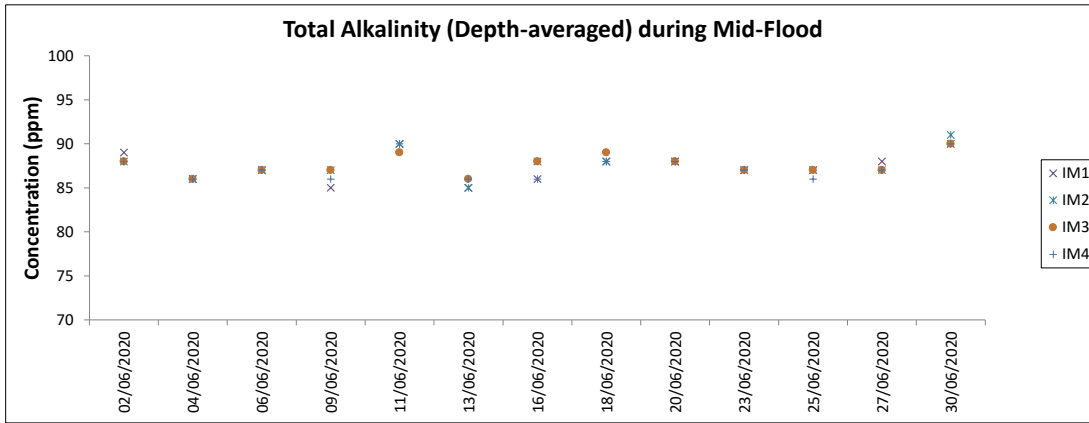
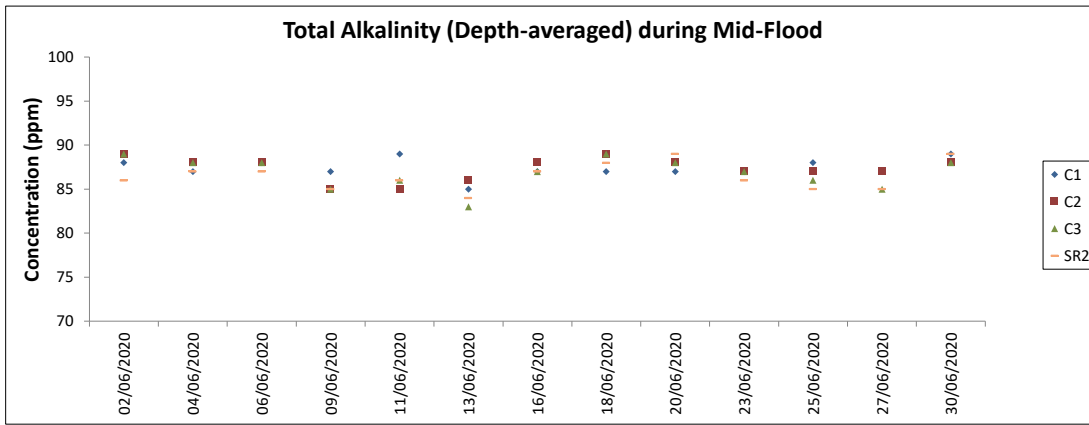
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



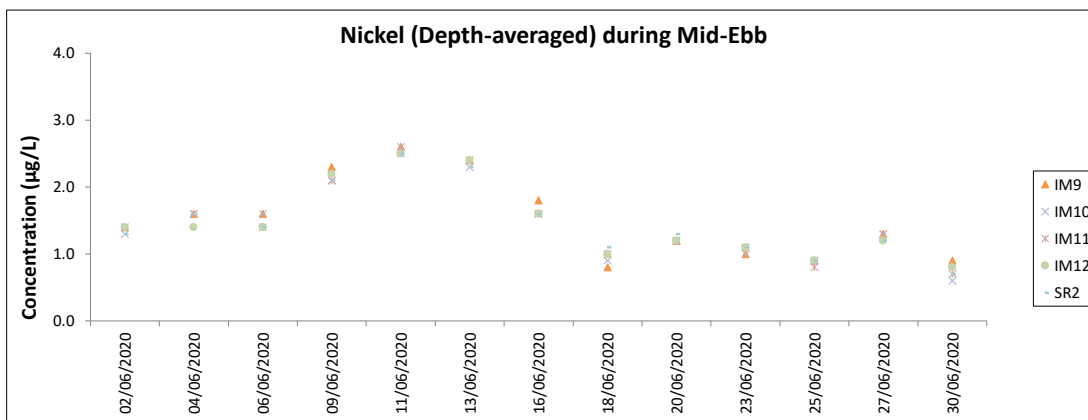
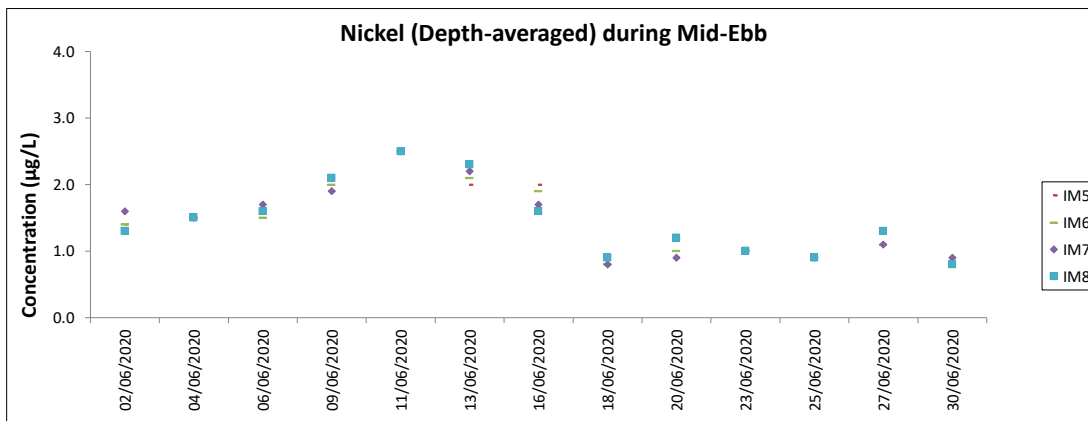
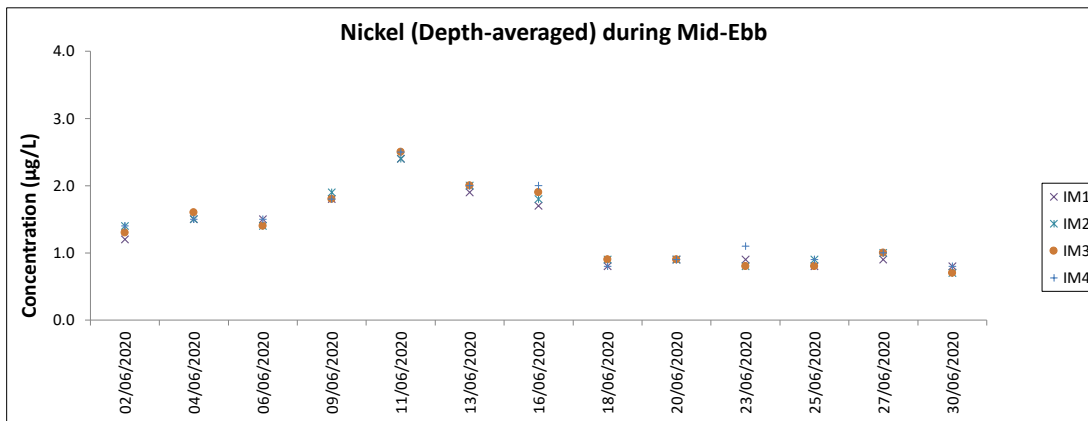
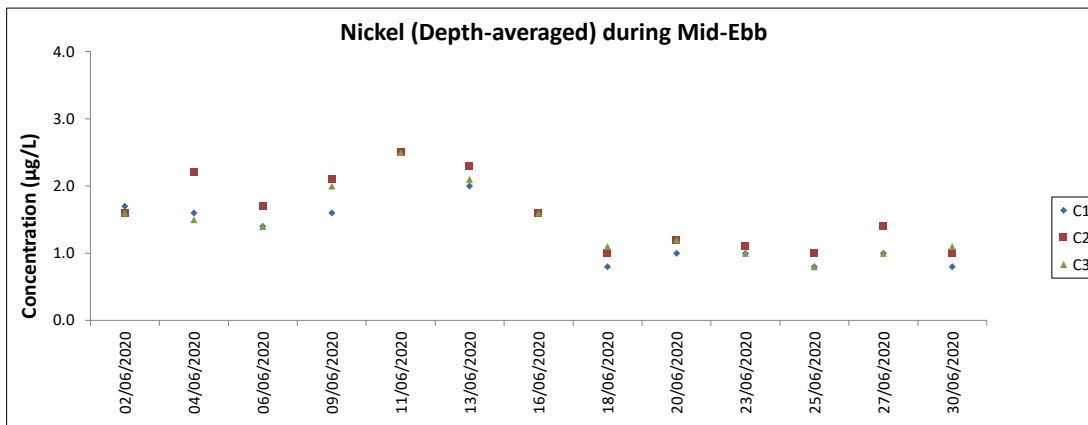
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



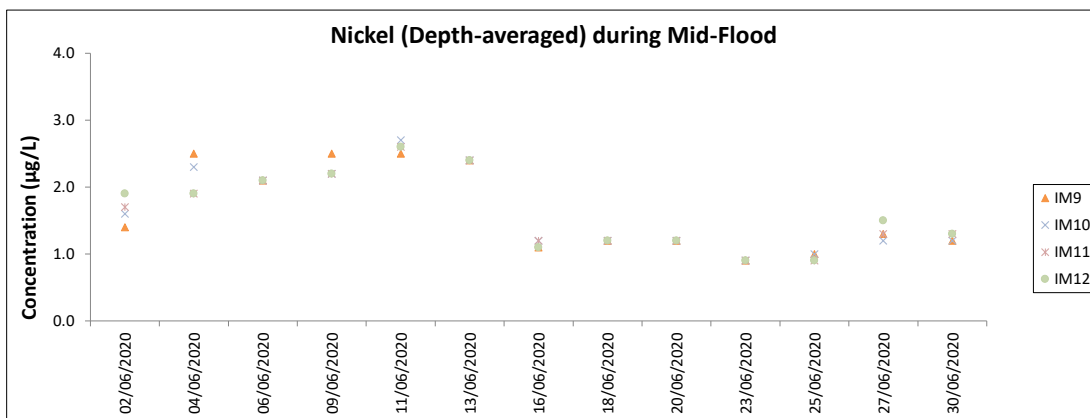
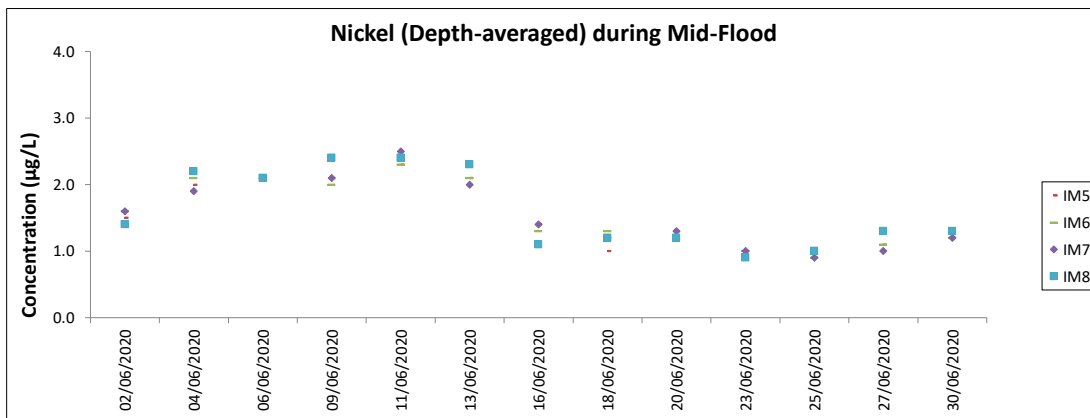
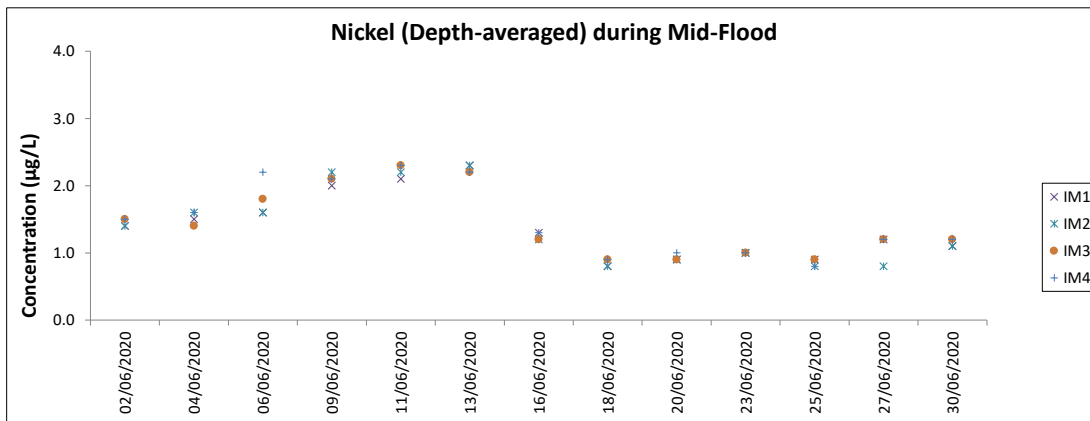
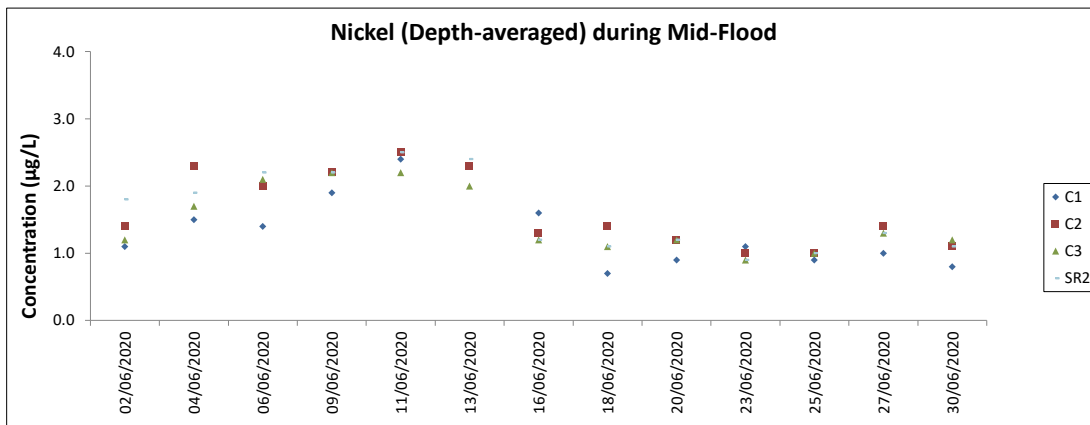
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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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.
 Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
 Weather conditions during monitoring are presented in the data tables above.
 QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
3-Apr-20	NEL	2	1.270	SPRING	32166	3RS ET	P
3-Apr-20	NEL	3	26.900	SPRING	32166	3RS ET	P
3-Apr-20	NEL	4	8.700	SPRING	32166	3RS ET	P
3-Apr-20	NEL	3	9.830	SPRING	32166	3RS ET	S
3-Apr-20	NEL	4	1.000	SPRING	32166	3RS ET	S
7-Apr-20	NEL	1	10.100	SPRING	32166	3RS ET	P
7-Apr-20	NEL	2	27.170	SPRING	32166	3RS ET	P
7-Apr-20	NEL	1	1.000	SPRING	32166	3RS ET	S
7-Apr-20	NEL	2	9.330	SPRING	32166	3RS ET	S
9-Apr-20	AW	2	5.030	SPRING	32166	3RS ET	P
9-Apr-20	WL	2	10.238	SPRING	32166	3RS ET	P
9-Apr-20	WL	3	6.538	SPRING	32166	3RS ET	P
9-Apr-20	WL	4	1.390	SPRING	32166	3RS ET	P
9-Apr-20	WL	2	6.432	SPRING	32166	3RS ET	S
9-Apr-20	WL	3	2.932	SPRING	32166	3RS ET	S
9-Apr-20	WL	4	0.910	SPRING	32166	3RS ET	S
15-Apr-20	AW	2	5.040	SPRING	32166	3RS ET	P
15-Apr-20	WL	2	20.680	SPRING	32166	3RS ET	P
15-Apr-20	WL	2	10.420	SPRING	32166	3RS ET	S
16-Apr-20	SWL	2	52.486	SPRING	32166	3RS ET	P
16-Apr-20	SWL	2	15.854	SPRING	32166	3RS ET	S
17-Apr-20	SWL	2	26.394	SPRING	32166	3RS ET	P
17-Apr-20	SWL	3	27.056	SPRING	32166	3RS ET	P
17-Apr-20	SWL	2	9.230	SPRING	32166	3RS ET	S
17-Apr-20	SWL	3	8.050	SPRING	32166	3RS ET	S
20-Apr-20	NWL	2	41.800	SPRING	32166	3RS ET	P
20-Apr-20	NWL	3	22.200	SPRING	32166	3RS ET	P
20-Apr-20	NWL	2	7.600	SPRING	32166	3RS ET	S
20-Apr-20	NWL	3	4.200	SPRING	32166	3RS ET	S
21-Apr-20	NWL	2	26.840	SPRING	32166	3RS ET	P
21-Apr-20	NWL	3	36.760	SPRING	32166	3RS ET	P
21-Apr-20	NWL	2	4.300	SPRING	32166	3RS ET	S
21-Apr-20	NWL	3	7.600	SPRING	32166	3RS ET	S
4-May-20	NEL	2	32.350	SPRING	32166	3RS ET	P
4-May-20	NEL	3	4.500	SPRING	32166	3RS ET	P
4-May-20	NEL	2	8.050	SPRING	32166	3RS ET	S
4-May-20	NEL	3	1.800	SPRING	32166	3RS ET	S
6-May-20	NWL	2	17.400	SPRING	32166	3RS ET	P
6-May-20	NWL	3	45.000	SPRING	32166	3RS ET	P
6-May-20	NWL	3	13.400	SPRING	32166	3RS ET	S
7-May-20	AW	3	4.890	SPRING	32166	3RS ET	P
7-May-20	WL	3	19.292	SPRING	32166	3RS ET	P
7-May-20	WL	3	11.318	SPRING	32166	3RS ET	S
11-May-20	SWL	1	2.700	SPRING	32166	3RS ET	P
11-May-20	SWL	2	51.714	SPRING	32166	3RS ET	P
11-May-20	SWL	1	1.300	SPRING	32166	3RS ET	S
11-May-20	SWL	2	14.740	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
12-May-20	SWL	2	42.776	SPRING	32166	3RS ET	P
12-May-20	SWL	3	11.880	SPRING	32166	3RS ET	P
12-May-20	SWL	2	13.052	SPRING	32166	3RS ET	S
12-May-20	SWL	3	2.150	SPRING	32166	3RS ET	S
13-May-20	AW	1	5.060	SPRING	32166	3RS ET	P
13-May-20	WL	1	1.220	SPRING	32166	3RS ET	P
13-May-20	WL	2	9.124	SPRING	32166	3RS ET	P
13-May-20	WL	3	2.062	SPRING	32166	3RS ET	P
13-May-20	WL	4	6.239	SPRING	32166	3RS ET	P
13-May-20	WL	2	4.441	SPRING	32166	3RS ET	S
13-May-20	WL	3	1.748	SPRING	32166	3RS ET	S
13-May-20	WL	4	3.271	SPRING	32166	3RS ET	S
18-May-20	NEL	2	24.600	SPRING	32166	3RS ET	P
18-May-20	NEL	3	12.500	SPRING	32166	3RS ET	P
18-May-20	NEL	2	6.200	SPRING	32166	3RS ET	S
18-May-20	NEL	3	3.900	SPRING	32166	3RS ET	S
20-May-20	NWL	2	2.300	SPRING	32166	3RS ET	P
20-May-20	NWL	3	43.690	SPRING	32166	3RS ET	P
20-May-20	NWL	4	17.310	SPRING	32166	3RS ET	P
20-May-20	NWL	3	9.100	SPRING	32166	3RS ET	S
20-May-20	NWL	4	2.600	SPRING	32166	3RS ET	S
9-Jun-20	NWL	2	2.300	SUMMER	32166	3RS ET	P
9-Jun-20	NWL	3	61.400	SUMMER	32166	3RS ET	P
9-Jun-20	NWL	2	1.500	SUMMER	32166	3RS ET	S
9-Jun-20	NWL	3	10.200	SUMMER	32166	3RS ET	S
11-Jun-20	AW	2	4.760	SUMMER	32166	3RS ET	P
11-Jun-20	WL	2	1.520	SUMMER	32166	3RS ET	P
11-Jun-20	WL	3	16.937	SUMMER	32166	3RS ET	P
11-Jun-20	WL	2	1.060	SUMMER	32166	3RS ET	S
11-Jun-20	WL	3	7.545	SUMMER	32166	3RS ET	S
16-Jun-20	AW	3	4.970	SUMMER	32166	3RS ET	P
16-Jun-20	WL	2	3.459	SUMMER	32166	3RS ET	P
16-Jun-20	WL	3	15.008	SUMMER	32166	3RS ET	P
16-Jun-20	WL	4	1.050	SUMMER	32166	3RS ET	P
16-Jun-20	WL	2	1.080	SUMMER	32166	3RS ET	S
16-Jun-20	WL	3	8.877	SUMMER	32166	3RS ET	S
17-Jun-20	NWL	2	3.700	SUMMER	32166	3RS ET	P
17-Jun-20	NWL	3	52.050	SUMMER	32166	3RS ET	P
17-Jun-20	NWL	4	7.600	SUMMER	32166	3RS ET	P
17-Jun-20	NWL	2	1.200	SUMMER	32166	3RS ET	S
17-Jun-20	NWL	3	8.000	SUMMER	32166	3RS ET	S
17-Jun-20	NWL	4	3.200	SUMMER	32166	3RS ET	S
18-Jun-20	SWL	2	5.388	SUMMER	32166	3RS ET	P
18-Jun-20	SWL	3	34.630	SUMMER	32166	3RS ET	P
18-Jun-20	SWL	4	12.720	SUMMER	32166	3RS ET	P
18-Jun-20	SWL	2	3.312	SUMMER	32166	3RS ET	S
18-Jun-20	SWL	3	11.120	SUMMER	32166	3RS ET	S
18-Jun-20	SWL	4	1.870	SUMMER	32166	3RS ET	S
22-Jun-20	SWL	2	9.376	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
22-Jun-20	SWL	3	31.756	SUMMER	32166	3RS ET	P
22-Jun-20	SWL	4	3.650	SUMMER	32166	3RS ET	P
22-Jun-20	SWL	2	3.471	SUMMER	32166	3RS ET	S
22-Jun-20	SWL	3	10.290	SUMMER	32166	3RS ET	S
23-Jun-20	NEL	2	21.700	SUMMER	32166	3RS ET	P
23-Jun-20	NEL	3	15.280	SUMMER	32166	3RS ET	P
23-Jun-20	NEL	2	6.500	SUMMER	32166	3RS ET	S
23-Jun-20	NEL	3	3.820	SUMMER	32166	3RS ET	S
24-Jun-20	NEL	2	31.670	SUMMER	32166	3RS ET	P
24-Jun-20	NEL	3	5.950	SUMMER	32166	3RS ET	P
24-Jun-20	NEL	2	6.880	SUMMER	32166	3RS ET	S
24-Jun-20	NEL	3	3.100	SUMMER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months 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.	P/S
9-Apr-20	1	1031	CWD	7	WL	2	264	ON	3RS ET	22.2687	113.8500	SPRING	PURSE SEINER	P
9-Apr-20	2	1053	CWD	2	WL	2	73	ON	3RS ET	22.2636	113.8569	SPRING	NONE	S
9-Apr-20	3	1124	CWD	4	WL	2	58	ON	3RS ET	22.2501	113.8420	SPRING	NONE	P
9-Apr-20	4	1156	CWD	1	WL	3	7	ON	3RS ET	22.2325	113.8378	SPRING	NONE	P
9-Apr-20	5	1226	CWD	1	WL	3	129	ON	3RS ET	22.2146	113.8305	SPRING	NONE	P
9-Apr-20	6	1246	CWD	14	WL	3	148	ON	3RS ET	22.2056	113.8254	SPRING	PAIR TRAWLER	P
15-Apr-20	1	1047	CWD	1	WL	2	240	ON	3RS ET	22.2505	113.8392	SPRING	NONE	P
16-Apr-20	1	1023	FP	1	SWL	2	43	ON	3RS ET	22.2087	113.9356	SPRING	NONE	P
16-Apr-20	2	1032	FP	2	SWL	2	187	ON	3RS ET	22.1955	113.9360	SPRING	NONE	P
16-Apr-20	3	1036	FP	1	SWL	2	341	ON	3RS ET	22.1888	113.9363	SPRING	NONE	P
16-Apr-20	4	1038	FP	2	SWL	2	22	ON	3RS ET	22.1864	113.9363	SPRING	NONE	P
16-Apr-20	5	1042	FP	2	SWL	2	199	ON	3RS ET	22.1832	113.9363	SPRING	NONE	P
16-Apr-20	6	1054	FP	3	SWL	2	257	ON	3RS ET	22.1604	113.9361	SPRING	NONE	P
16-Apr-20	7	1112	FP	3	SWL	2	4	ON	3RS ET	22.1582	113.9274	SPRING	NONE	P
16-Apr-20	8	1116	FP	5	SWL	2	1108	ON	3RS ET	22.1626	113.9276	SPRING	NONE	P
16-Apr-20	9	1121	FP	2	SWL	2	46	ON	3RS ET	22.1687	113.9278	SPRING	NONE	P
16-Apr-20	10	1131	FP	2	SWL	2	444	ON	3RS ET	22.1871	113.9276	SPRING	NONE	P
16-Apr-20	11	1135	FP	1	SWL	2	6	ON	3RS ET	22.1909	113.9275	SPRING	NONE	P
16-Apr-20	12	1209	FP	4	SWL	2	99	ON	3RS ET	22.1597	113.9176	SPRING	NONE	P
16-Apr-20	13	1215	FP	1	SWL	2	46	ON	3RS ET	22.1494	113.9177	SPRING	NONE	P
16-Apr-20	14	1228	FP	2	SWL	2	146	ON	3RS ET	22.1460	113.9083	SPRING	NONE	P
16-Apr-20	15	1233	FP	1	SWL	2	70	ON	3RS ET	22.1511	113.9083	SPRING	NONE	P
16-Apr-20	16	1335	FP	3	SWL	2	18	ON	3RS ET	22.1562	113.8980	SPRING	NONE	P
16-Apr-20	17	1338	FP	4	SWL	2	251	ON	3RS ET	22.1523	113.8974	SPRING	NONE	P
17-Apr-20	1	1304	FP	3	SWL	2	70	ON	3RS ET	22.1701	113.8964	SPRING	NONE	P
17-Apr-20	2	1311	FP	1	SWL	2	747	ON	3RS ET	22.1594	113.8973	SPRING	NONE	P
17-Apr-20	3	1327	FP	1	SWL	3	68	ON	3RS ET	22.1608	113.8872	SPRING	NONE	P
7-May-20	1	1032	CWD	1	WL	3	177	ON	3RS ET	22.2692	113.8499	SPRING	NONE	P
7-May-20	2	1115	CWD	1	WL	3	19	ON	3RS ET	22.2409	113.8395	SPRING	NONE	P
7-May-20	3	1121	CWD	15	WL	3	257	ON	3RS ET	22.2411	113.8362	SPRING	NONE	P
11-May-20	1	1052	FP	1	SWL	2	421	ON	3RS ET	22.1620	113.9362	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
11-May-20	2	1055	FP	4	SWL	2	22	ON	3RS ET	22.1606	113.9360	SPRING	NONE	P
11-May-20	3	1058	FP	2	SWL	2	181	ON	3RS ET	22.1554	113.9361	SPRING	NONE	P
11-May-20	4	1513	CWD	13	SWL	2	191	ON	3RS ET	22.1850	113.8500	SPRING	NONE	P
12-May-20	1	1051	FP	4	SWL	2	14	ON	3RS ET	22.1543	113.9363	SPRING	NONE	P
12-May-20	2	1057	FP	3	SWL	2	120	ON	3RS ET	22.1474	113.9330	SPRING	NONE	S
12-May-20	3	1101	FP	2	SWL	2	188	ON	3RS ET	22.1451	113.9301	SPRING	NONE	S
12-May-20	4	1215	FP	2	SWL	2	17	ON	3RS ET	22.1550	113.9057	SPRING	NONE	S
12-May-20	5	1441	CWD	5	SWL	2	170	ON	3RS ET	22.1954	113.8685	SPRING	NONE	P
12-May-20	6	1546	CWD	1	SWL	3	279	ON	3RS ET	22.1946	113.8500	SPRING	NONE	P
13-May-20	1	1056	CWD	6	WL	2	331	ON	3RS ET	22.2447	113.8495	SPRING	NONE	S
13-May-20	2	1127	CWD	1	WL	2	179	ON	3RS ET	22.2416	113.8370	SPRING	NONE	P
13-May-20	3	1140	CWD	16	WL	3	78	ON	3RS ET	22.2414	113.8286	SPRING	PURSE SEINER	P
13-May-20	4	1231	CWD	1	WL	4	60	ON	3RS ET	22.2149	113.8309	SPRING	NONE	P
11-Jun-20	1	1028	CWD	2	WL	3	396	ON	3RS ET	22.2636	113.8574	SUMMER	NONE	S
11-Jun-20	2	1050	CWD	3	WL	3	6	ON	3RS ET	22.2552	113.8359	SUMMER	NONE	S
11-Jun-20	3	1121	CWD	5	WL	3	323	ON	3RS ET	22.2408	113.8315	SUMMER	NONE	P
11-Jun-20	4	1213	CWD	5	WL	3	689	ON	3RS ET	22.2140	113.8257	SUMMER	NONE	P
11-Jun-20	5	1243	CWD	7	WL	3	1028	ON	3RS ET	22.2055	113.8330	SUMMER	NONE	P
11-Jun-20	6	1311	CWD	3	WL	3	86	ON	3RS ET	22.1958	113.8329	SUMMER	NONE	P
11-Jun-20	7	1325	CWD	6	WL	3	70	ON	3RS ET	22.1958	113.8408	SUMMER	NONE	P
16-Jun-20	1	1041	CWD	1	WL	2	75	ON	3RS ET	22.2609	113.8522	SUMMER	NONE	P
16-Jun-20	2	1055	CWD	6	WL	3	124	ON	3RS ET	22.2607	113.8495	SUMMER	NONE	P
16-Jun-20	3	1244	CWD	1	WL	3	112	ON	3RS ET	22.2049	113.8345	SUMMER	NONE	P
16-Jun-20	4	1310	CWD	3	WL	2	65	ON	3RS ET	22.2532	113.8336	SUMMER	NONE	P
16-Jun-20	5	1345	CWD	8	WL	2	203	ON	3RS ET	22.1945	113.8423	SUMMER	NONE	S
18-Jun-20	1	1248	CWD	5	SWL	2	118	ON	3RS ET	22.1970	113.9082	SUMMER	NONE	P
18-Jun-20	2	1321	CWD	6	SWL	3	85	ON	3RS ET	22.1937	113.8972	SUMMER	GILLNETTER	P
18-Jun-20	3	1550	CWD	2	SWL	3	46	ON	3RS ET	22.1852	113.8492	SUMMER	NONE	P
22-Jun-20	1	1144	CWD	4	SWL	2	807	ON	3RS ET	22.1939	113.9179	SUMMER	NONE	P
22-Jun-20	2	1256	CWD	4	SWL	3	178	ON	3RS ET	22.1881	113.9054	SUMMER	NONE	S
22-Jun-20	3	1321	CWD	3	SWL	2	898	ON	3RS ET	22.2123	113.8979	SUMMER	NONE	P
22-Jun-20	4	1344	CWD	4	SWL	2	386	ON	3RS ET	22.1934	113.8979	SUMMER	NONE	P
22-Jun-20	5	1432	CWD	1	SWL	3	520	ON	3RS ET	22.1688	113.8879	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
22-Jun-20	6	1453	CWD	5	SWL	3	305	ON	3RS ET	22.1898	113.8883	SUMMER	NONE	P
22-Jun-20	7	1548	CWD	1	SWL	3	225	ON	3RS ET	22.1795	113.8686	SUMMER	NONE	P
22-Jun-20	8	1607	CWD	1	SWL	2	67	ON	3RS ET	22.1904	113.8593	SUMMER	NONE	P
22-Jun-20	9	1614	CWD	2	SWL	2	36	ON	3RS ET	22.1824	113.8596	SUMMER	NONE	P

Abbreviations: STG# = Sighting Number; GP SZ = 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; P/S = Primary Transect / Secondary Transect

Notes:

CWD monitoring survey data of the two preceding survey months are presented for reference only. No relevant figure or text will be mentioned in this 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 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 409.809 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 24 on-effort sightings and total number of 88 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in June 2020 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in June 2020

$$STG = \frac{24}{409.809} \times 100 = 5.86$$

Encounter Rate by Number of Dolphins (ANI) in June 2020

$$ANI = \frac{88}{409.809} \times 100 = 21.47$$

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

A total of 1277.346 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 40 on-effort sightings and total number of 177 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)









$$STG = \frac{40}{1277.346} \times 100 = 3.13$$

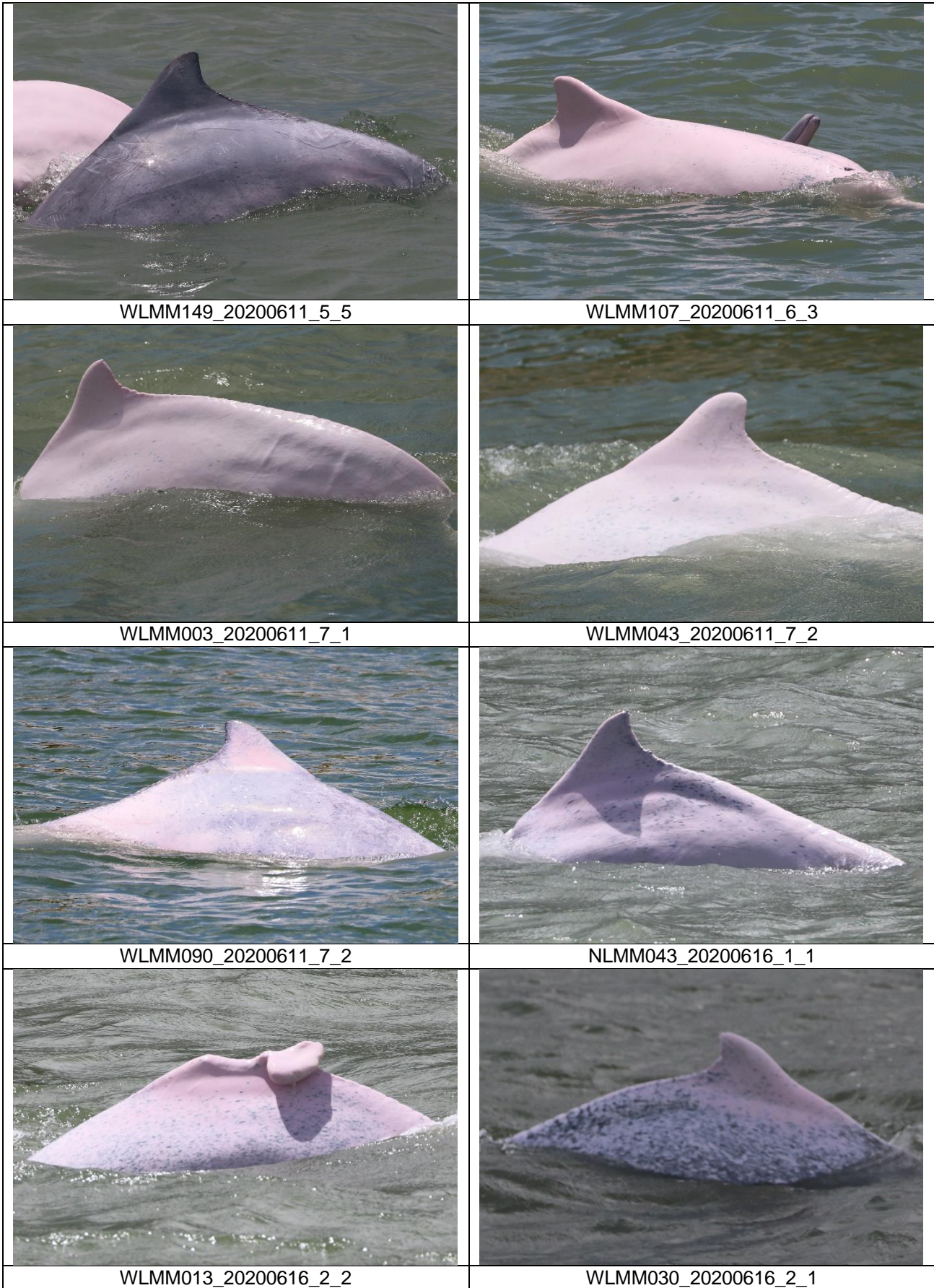
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{177}{1277.346} \times 100 = 13.86$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM011_20200611_1_1	SLMM036_20200611_1_11
	
WLMM043_20200611_4_6	WLMM109_20200611_4_10
	
WLMM142_20200611_4_5	NLMM055_20200611_5_2
	
WLMM107_20200611_5_2	WLMM141_20200611_5_1





WLMM062_20200616_2_2



WLMM153_20200616_2_6



WLMM015_20200616_4_3



WLMM081_20200616_4_1



WLMM082_20200616_4_1



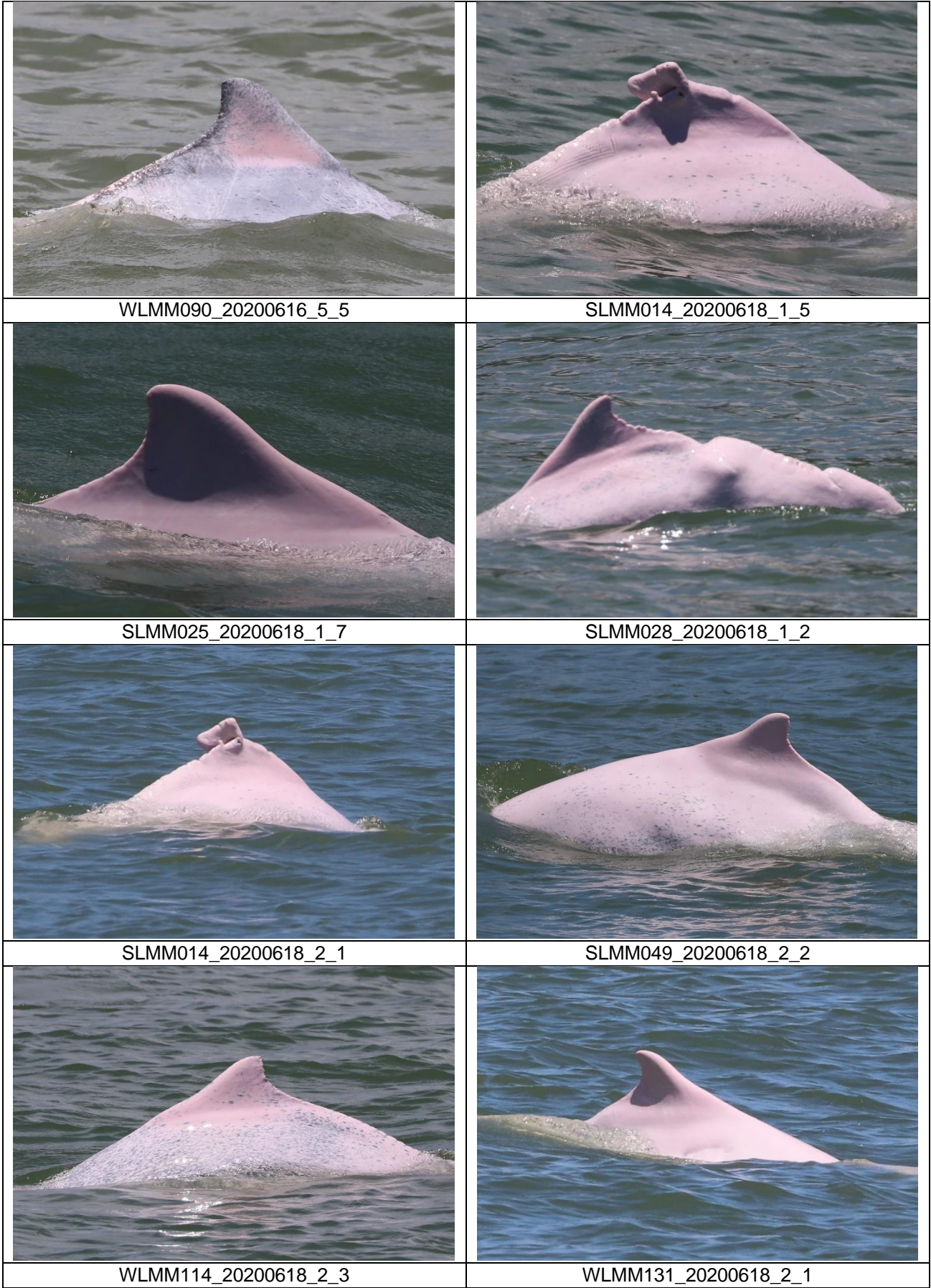
SLMM025_20200616_5_4











SLMM028_20200616_5_2



WLMM004_20200616_5_6



	
NLMM015_20200622_1_3	NLMM063_20200622_1_2
	
NLMM015_20200622_2_4	NLMM063_20200622_2_2
	
WLMM011_20200622_2_2	SLMM070_20200622_3_2
	
WLMM018_20200622_4_4	WLMM073_20200622_4_2



WLMM114_20200622_6_1

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

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
4/Jun/20	Lung Kwu Chau	9:00	15:00	6:00	2-3	1	0	-
10/Jun/20	Sha Chau	10:45	16:45	6:00	3	1	0	-

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