

Appendix D. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

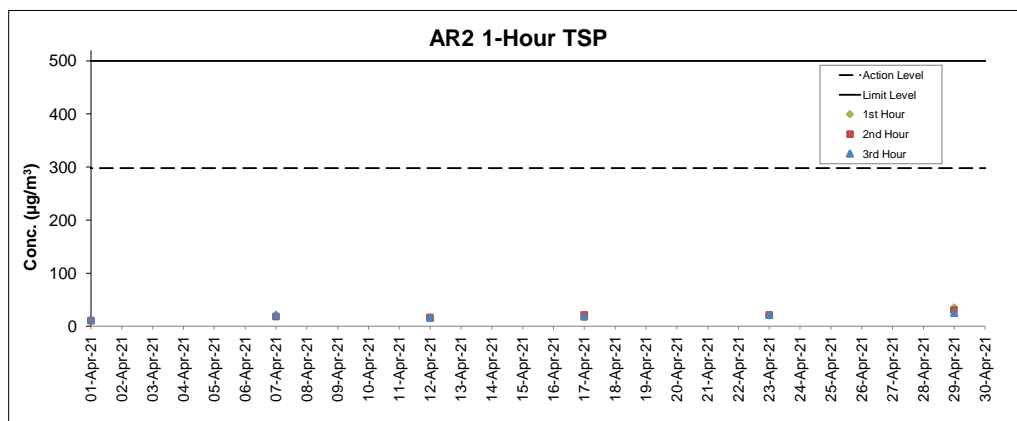
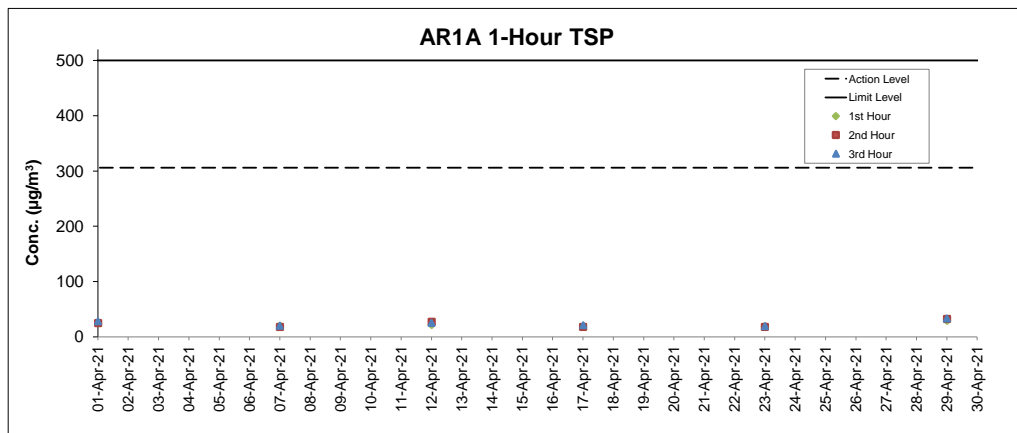
Station: AR1A- Man Tung Road Park

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 ($\mu\text{g}/\text{m}^3$)
1-Apr-21	13:22	Cloudy	5.3	199	25	306	500
1-Apr-21	14:22	Cloudy	6.7	206	25	306	500
1-Apr-21	15:22	Cloudy	5.0	208	28	306	500
7-Apr-21	13:26	Cloudy	7.5	84	20	306	500
7-Apr-21	14:26	Cloudy	6.9	81	18	306	500
7-Apr-21	15:26	Cloudy	6.7	87	20	306	500
12-Apr-21	13:09	Cloudy	4.2	260	21	306	500
12-Apr-21	14:09	Cloudy	3.9	255	27	306	500
12-Apr-21	15:09	Cloudy	2.2	306	25	306	500
17-Apr-21	13:04	Cloudy	2.5	96	19	306	500
17-Apr-21	14:04	Cloudy	2.5	107	18	306	500
17-Apr-21	15:04	Cloudy	3.3	90	21	306	500
23-Apr-21	13:13	Cloudy	4.7	255	19	306	500
23-Apr-21	14:13	Cloudy	5.3	257	18	306	500
23-Apr-21	15:13	Cloudy	6.7	240	19	306	500
29-Apr-21	13:20	Cloudy	3.9	274	29	306	500
29-Apr-21	14:20	Cloudy	4.2	282	32	306	500
29-Apr-21	15:20	Cloudy	3.3	279	33	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 ($\mu\text{g}/\text{m}^3$)
1-Apr-21	13:15	Cloudy	5.3	200	10	298	500
1-Apr-21	14:15	Cloudy	5.8	209	10	298	500
1-Apr-21	15:15	Cloudy	4.7	207	13	298	500
7-Apr-21	13:47	Cloudy	7.8	90	19	298	500
7-Apr-21	14:47	Cloudy	6.7	87	18	298	500
7-Apr-21	15:47	Cloudy	5.8	100	21	298	500
12-Apr-21	12:50	Cloudy	3.9	265	15	298	500
12-Apr-21	13:50	Cloudy	3.1	264	16	298	500
12-Apr-21	14:50	Cloudy	2.2	297	16	298	500
17-Apr-21	9:39	Cloudy	2.2	72	17	298	500
17-Apr-21	10:39	Cloudy	2.8	73	21	298	500
17-Apr-21	11:39	Cloudy	2.8	120	18	298	500
23-Apr-21	12:46	Sunny	4.7	254	20	298	500
23-Apr-21	13:46	Sunny	5.0	240	21	298	500
23-Apr-21	14:46	Sunny	5.8	239	21	298	500
29-Apr-21	14:04	Cloudy	3.9	282	35	298	500
29-Apr-21	15:04	Cloudy	3.3	274	30	298	500
29-Apr-21	16:04	Cloudy	3.6	267	25	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 ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
07-Apr-21	Cloudy	17:29	65.2	59.7	66
07-Apr-21	Cloudy	17:34	65.4	61.7	
07-Apr-21	Cloudy	17:39	65.4	61.7	
07-Apr-21	Cloudy	17:44	64.2	59.4	
07-Apr-21	Cloudy	17:49	63.4	59.7	
07-Apr-21	Cloudy	17:54	63.3	59.6	
12-Apr-21	Cloudy	16:24	73.4	50.3	72
12-Apr-21	Cloudy	16:29	70.0	50.5	
12-Apr-21	Cloudy	16:34	73.4	50.7	
12-Apr-21	Cloudy	16:39	73.5	52.3	
12-Apr-21	Cloudy	16:44	72.2	50.7	
12-Apr-21	Cloudy	16:49	70.9	50.6	
23-Apr-21	Cloudy	13:19	73.8	61.9	70
23-Apr-21	Cloudy	13:24	74.1	63.0	
23-Apr-21	Cloudy	13:29	68.4	57.3	
23-Apr-21	Cloudy	13:34	68.2	57.5	
23-Apr-21	Cloudy	13:39	68.3	57.4	
23-Apr-21	Cloudy	13:44	64.9	53.3	
29-Apr-21	Cloudy	13:20	70.0	60.4	70
29-Apr-21	Cloudy	13:25	70.3	61.1	
29-Apr-21	Cloudy	13:30	70.6	61.4	
29-Apr-21	Cloudy	13:35	72.6	61.0	
29-Apr-21	Cloudy	13:40	68.1	58.8	
29-Apr-21	Cloudy	13:45	66.5	58.3	

Remark:

^: +3dB (A) correction in L_{eq(30mins)} dB(A) 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 ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
08-Apr-21	Cloudy	13:16	64.5	57.9	64
08-Apr-21	Cloudy	13:21	63.1	58.0	
08-Apr-21	Cloudy	13:26	63.1	58.8	
08-Apr-21	Cloudy	13:31	62.8	58.8	
08-Apr-21	Cloudy	13:36	61.9	57.2	
08-Apr-21	Cloudy	13:41	62.2	57.7	
13-Apr-21	Cloudy	13:02	60.7	57.0	60*
13-Apr-21	Cloudy	13:07	61.5	57.7	
13-Apr-21	Cloudy	13:12	62.5	58.2	
13-Apr-21	Cloudy	13:17	65.0	58.1	
13-Apr-21	Cloudy	13:22	65.6	58.3	
13-Apr-21	Cloudy	13:27	64.6	58.3	
21-Apr-21	Cloudy	13:02	71.8	59.3	64*
21-Apr-21	Cloudy	13:07	66.9	60.0	
21-Apr-21	Cloudy	13:12	65.4	58.9	
21-Apr-21	Cloudy	13:17	69.5	57.7	
21-Apr-21	Cloudy	13:22	65.4	57.7	
21-Apr-21	Cloudy	13:27	62.1	56.9	
30-Apr-21	Cloudy	13:12	61.0	55.8	62
30-Apr-21	Cloudy	13:17	61.7	55.3	
30-Apr-21	Cloudy	13:22	60.3	54.5	
30-Apr-21	Cloudy	13:27	60.6	54.7	
30-Apr-21	Cloudy	13:32	61.7	54.8	
30-Apr-21	Cloudy	13:37	61.1	55.9	

Remarks:

^: +3dB (A) correction in L_{eq(30mins)} dB(A) was applied to free-field measurement.

*: The measurement result was corrected with reference to the baseline monitoring levels.

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
07-Apr-21	Cloudy	14:28	61.6	53.2	53*
07-Apr-21	Cloudy	14:33	57.6	52.9	
07-Apr-21	Cloudy	14:38	57.8	48.9	
07-Apr-21	Cloudy	14:43	57.5	48.7	
07-Apr-21	Cloudy	14:48	58.0	48.4	
07-Apr-21	Cloudy	14:53	57.4	47.3	
12-Apr-21	Cloudy	12:54	50.3	45.7	54
12-Apr-21	Cloudy	12:59	53.6	44.5	
12-Apr-21	Cloudy	13:04	50.5	44.3	
12-Apr-21	Cloudy	13:09	50.0	43.0	
12-Apr-21	Cloudy	13:14	56.3	43.3	
12-Apr-21	Cloudy	13:19	52.5	43.9	
23-Apr-21	Sunny	13:01	50.8	41.0	53
23-Apr-21	Sunny	13:06	50.7	41.6	
23-Apr-21	Sunny	13:11	46.3	41.3	
23-Apr-21	Sunny	13:16	51.6	43.0	
23-Apr-21	Sunny	13:21	48.6	43.1	
23-Apr-21	Sunny	13:26	56.8	42.4	
29-Apr-21	Cloudy	14:10	53.8	44.7	57
29-Apr-21	Cloudy	14:15	55.6	45.6	
29-Apr-21	Cloudy	14:20	53.2	46.1	
29-Apr-21	Cloudy	14:25	52.7	46.2	
29-Apr-21	Cloudy	14:30	56.5	49.0	
29-Apr-21	Cloudy	14:35	59.4	47.4	

Remarks:

^: +3dB (A) correction in L_{eq(30mins)} dB(A) was applied to free-field measurement.

*: The measurement result was corrected with reference to the baseline monitoring levels.

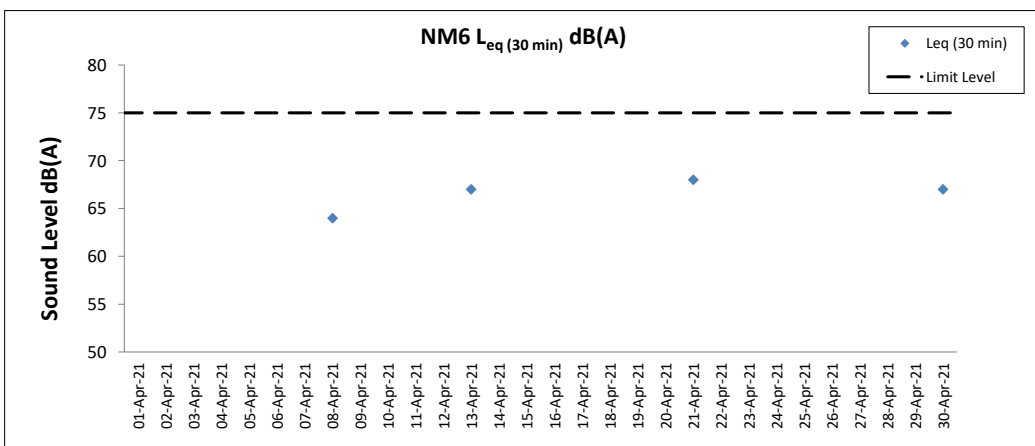
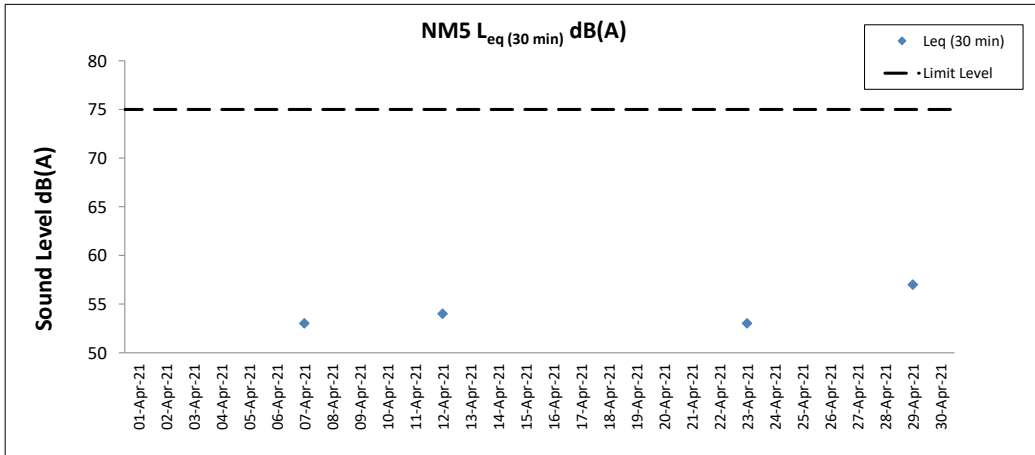
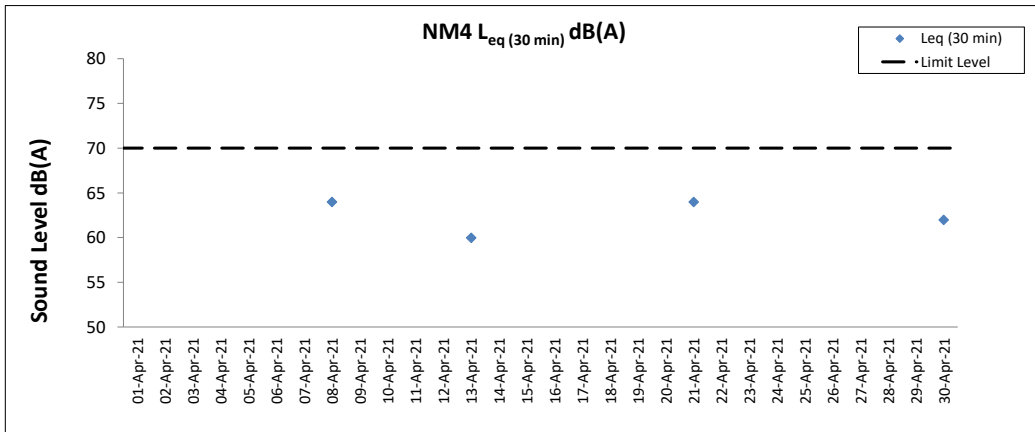
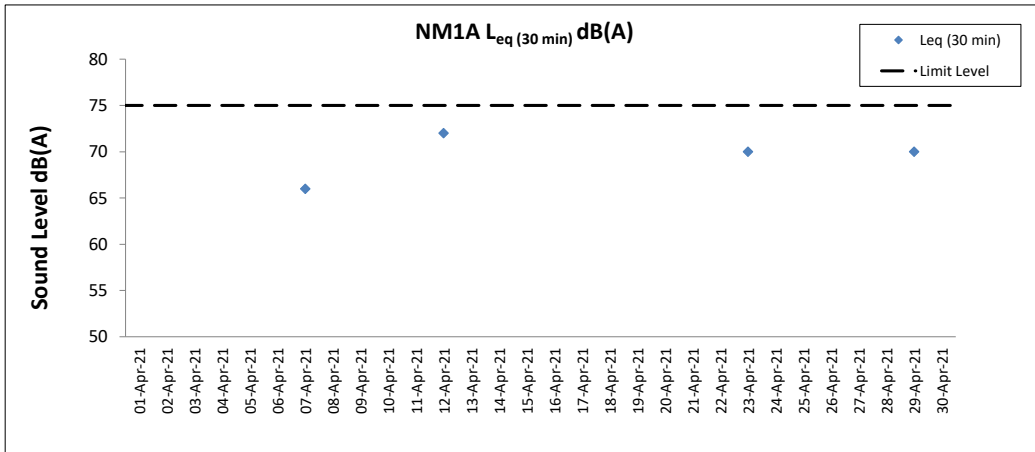
Noise Measurement Results

Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
08-Apr-21	Cloudy	15:51	65.3	55.6	64
08-Apr-21	Cloudy	15:56	65.7	55.8	
08-Apr-21	Cloudy	16:01	61.2	54.8	
08-Apr-21	Cloudy	16:06	59.5	54.9	
08-Apr-21	Cloudy	16:11	60.1	55.4	
08-Apr-21	Cloudy	16:16	62.1	55.3	
13-Apr-21	Cloudy	15:48	65.3	55.8	67
13-Apr-21	Cloudy	15:53	65.5	56.0	
13-Apr-21	Cloudy	15:58	65.5	56.1	
13-Apr-21	Cloudy	16:03	66.3	55.5	
13-Apr-21	Cloudy	16:08	71.5	56.6	
13-Apr-21	Cloudy	16:13	66.4	56.1	
21-Apr-21	Cloudy	15:47	70.2	58.0	68
21-Apr-21	Cloudy	15:52	67.2	57.3	
21-Apr-21	Cloudy	15:57	68.9	57.8	
21-Apr-21	Cloudy	16:02	68.1	56.6	
21-Apr-21	Cloudy	16:07	66.2	56.6	
21-Apr-21	Cloudy	16:12	68.3	56.9	
30-Apr-21	Cloudy	15:40	64.5	51.1	67
30-Apr-21	Cloudy	15:45	64.8	49.4	
30-Apr-21	Cloudy	15:50	53.5	45.1	
30-Apr-21	Cloudy	15:55	59.0	47.3	
30-Apr-21	Cloudy	16:00	59.9	43.4	
30-Apr-21	Cloudy	16:05	67.7	47.0	

Remarks:

^: +3dB (A) correction in L_{eq(30mins)} dB(A) 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 01 April 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Misty	Calm	14:54	8.0	Surface	1.0	2.0	97	24.4	24.4	8.1	8.1	33.0	33.0	107.1	107.1	7.4	7.4	4.8	4	88	91	815621	804268	<0.2	0.9	<0.2	0.9				
						1.0	2.2	104	24.4	8.1	8.1	33.0	33.0	107.0	107.0	7.4	7.4	4.4	4	88	91	<0.2	0.9	<0.2	0.9							
					Middle	4.0	1.9	96	24.2	24.2	8.1	8.1	33.2	33.2	103.3	103.3	7.2	7.2	5.4	3	92	91	<0.2	0.9	<0.2	0.9						
						4.0	1.9	96	24.1	24.1	8.1	8.1	33.2	33.2	102.9	102.9	7.2	7.2	5.6	3	92	91	<0.2	0.9	<0.2	0.9						
					Bottom	7.0	2.0	94	23.9	23.9	8.1	8.1	33.5	33.5	100.8	100.8	7.0	7.0	6.8	3	93	91	<0.2	0.9	<0.2	0.9						
						7.0	2.0	99	23.9	23.9	8.1	8.1	33.5	33.5	100.4	100.4	7.0	7.0	6.9	3	93	91	<0.2	0.9	<0.2	0.9						
C2	Sunny	Moderate	13:48	13.4	Surface	1.0	0.5	145	24.4	24.4	8.0	8.0	29.8	29.8	101.2	101.1	7.1	7.1	5.0	4	86	89	825667	806952	<0.2	1.3	<0.2	1.3				
						1.0	0.5	157	24.3	24.3	8.0	8.0	29.9	29.9	100.9	100.9	7.1	7.1	5.0	4	87	89	<0.2	1.3	<0.2	1.3						
					Middle	6.7	0.4	137	24.1	24.1	8.0	8.0	30.6	30.6	99.1	99.1	7.0	7.0	4.9	4	89	89	<0.2	1.3	<0.2	1.3						
						6.7	0.5	141	24.0	24.0	8.0	8.0	30.6	30.6	99.1	99.1	7.0	7.0	4.9	4	89	89	<0.2	1.2	<0.2	1.2						
					Bottom	12.4	0.4	154	24.1	24.1	8.0	8.0	30.7	30.7	98.6	98.6	7.0	7.0	6.3	5	91	89	<0.2	1.3	<0.2	1.3						
						12.4	0.4	166	24.1	24.1	8.0	8.0	30.7	30.7	98.5	98.5	7.0	7.0	6.0	5	91	89	<0.2	1.3	<0.2	1.3						
C3	Sunny	Moderate	15:41	11.7	Surface	1.0	0.6	122	24.2	24.2	8.0	8.0	30.6	30.6	101.0	100.9	7.1	7.1	4.2	6	86	88	822096	817821	<0.2	1.3	<0.2	1.3				
						1.0	0.6	125	24.2	24.2	8.0	8.0	30.7	30.6	100.8	100.9	7.1	7.1	4.2	6	87	88	<0.2	1.3	<0.2	1.3						
					Middle	5.9	0.4	118	24.0	24.0	8.0	8.0	31.0	31.0	99.6	99.6	7.0	7.0	4.4	5	88	88	<0.2	1.6	<0.2	1.6						
						5.9	0.5	125	24.0	24.0	8.0	8.0	31.0	31.0	99.6	99.6	7.0	7.0	4.4	5	87	89	<0.2	1.5	<0.2	1.5						
					Bottom	10.7	0.3	111	24.0	24.0	8.0	8.0	31.1	31.1	99.4	99.4	7.0	7.0	5.9	4	90	89	<0.2	1.3	<0.2	1.3						
						10.7	0.3	113	24.0	24.0	8.0	8.0	31.1	31.1	99.4	99.4	7.0	7.0	6.0	5	89	89	<0.2	1.1	<0.2	1.1						
IM1	Misty	Calm	14:32	5.0	Surface	1.0	0.1	192	24.5	24.5	8.1	8.1	32.4	32.4	102.3	102.0	7.1	7.1	4.2	3	87	89	817960	807128	<0.2	0.8	<0.2	0.8				
						1.0	0.1	196	24.5	24.5	8.1	8.1	32.4	32.4	101.7	101.7	7.1	7.1	4.5	2	88	89	<0.2	0.8	<0.2	0.8						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.0	0.1	172	24.3	24.3	8.1	8.1	32.5	32.5	97.0	96.2	6.8	6.7	7.1	2	90	89	<0.2	0.7	<0.2	0.7						
						4.0	0.1	173	24.3	24.3	8.1	8.1	32.5	32.5	95.4	96.2	6.8	6.7	7.3	2	91	89	<0.2	0.7	<0.2	0.7						
IM2	Misty	Calm	14:25	7.0	Surface	1.0	2.3	295	24.2	24.2	8.1	8.1	32.6	32.6	102.4	102.3	7.1	7.1	3.7	<2	87	90	818158	806170	<0.2	0.8	<0.2	0.8				
						1.0	2.5	299	24.2	24.2	8.1	8.1	32.7	32.6	102.2	102.3	7.1	7.1	4.0	<2	87	90	<0.2	0.8	<0.2	0.8						
					Middle	3.5	2.5	300	24.0	24.0	8.1	8.1	32.9	32.8	101.1	101.1	7.1	7.1	5.0	<2	91	89	<0.2	0.8	<0.2	0.8						
						3.5	2.7	326	24.0	24.0	8.1	8.1	32.8	32.8	101.1	101.1	7.1	7.1	5.3	<2	92	89	<0.2	0.8	<0.2	0.8						
					Bottom	6.0	2.3	303	23.9	23.9	8.1	8.1	33.3	33.3	98.0	97.6	6.8	6.8	6.6	<2	92	89	<0.2	0.9	<0.2	0.9						
						6.0	2.4	331	23.9	23.9	8.0	8.0	33.3	33.3	97.2	97.6	6.8	6.8	6.5	<2	93	89	<0.2	0.8	<0.2	0.8						
IM3	Misty	Calm	14:19	7.2	Surface	1.0	1.7	269	24.3	24.3	8.1	8.1	32.4	32.5	104.0	103.7	7.2	7.2	3.9	<2	89	91	818763	805591	<0.2	0.8	<0.2	0.8				
						1.0	1.7	289	24.3	24.3	8.1	8.1	32.4	32.5	103.4	103.7	7.2	7.2	3.7	<2	89	91	<0.2	0.8	<0.2	0.8						
					Middle	3.6	1.7	266	24.2	24.2	8.1	8.1	32.6	32.6	101.9	101.8	7.1	7.1	5.6	2	92	91	<0.2	0.7	<0.2	0.7						
						3.6	1.9	275	24.2	24.2	8.1	8.1	32.6	32.6	101.6	101.6	7.1	7.1	5.3	3	92	91	<0.2	0.8	<0.2	0.8						
					Bottom	6.2	1.8	276	23.9	23.9	8.1	8.1	33.2	33.2	99.0	98.9	6.9	6.9	6.7	3	92	91	<0.2	0.8	<0.2	0.8						
						6.2	1.8	276	23.9	23.9	8.1	8.1	33.2	33.2	98.8	98.9	6.9	6.9	6.9	2	93	91	<0.2	1.0	<0.2	1.0						
IM4	Misty	Calm	14:10	8.6	Surface	1.0	2.2	247	24.6	24.5	8.0	8.0	31.5	31.6	101.5	101.7	7.1	7.1	3.5	<2	88	91	819739	804608	<0.2	0.8	<0.2	0.8				
						1.0	2.3	260	24.4	24.4	8.1	8.1	31.7	31.6	101.8	101.7	7.1	7.1	3.7	<2	89	91	<0.2	0.8	<0.2	0.8						
					Middle	4.3	2.3	245	24.1	24.1	8.1	8.1	32.6	32.6	101.1	100.9	7.0	7.0	4.3	2	91	91	<0.2	0.8	<0.2	0.8						
						4.3	2.4	250	24.1	24.1	8.1	8.1	32.7	32.6	100.7	100.9	7.0	7.0	4.6	3	91	91	<0.2	0.8	<0.2	0.8						
					Bottom	7.6	2.1	248	24.0	24.0	8.1	8.1	33.0	33.0	98.6	98.2	6.9	6.9	5.8	3	92	91	<0.2	0.8	<0.2	0.8						
						7.6	2.2	256	24.0	24.0	8.1	8.1	33.0	33.0	97.8	98.2	6.8	6.9	5.7	3	92	91	<0.2	0.7	<0.2	0.7						
IM5	Misty	Moderate	14:02	8.0	Surface	1.0	2.0	264	24.5	24.4	8.1	8.1	31.7	31.7	102.4	102.5	7.1	7.1	2.8	2	87	90	820719	804848	<0.2	0.8	<0.2	0.8				
						1.0	2.1	272	24.4	24.4	8.1	8.1	31.8	31.7	102.6	102.5	7.2	7.2	2.9	2	87	91	<0.2	0.8	<0.2	0.8						
					Middle	4.0	2.3	263	24.1	24.1	8.1	8.1	32.6	32.6	101.2	101.0	7.1	7.1	3.4	2	91	91	<0.2	0.8	<0.2	0.8						
						4.0	2.5	281	24.1	24.1	8.1	8.1	32.7	32.6	100.8	101.0	7.0	7.0	3.5	3	91	91	<0.2	0.7	<0.2	0.7						
					Bottom	7.0	2.0	266	24.0	24.0	8.1	8.1	33.0	33.0	99.1	98.9	6.9	6.9	3.8	3	92	91	<0.2	0.8	<0.2	0.8						
						7.0	2.2	273	24.0	24.0	8.1	8.1	33.0	33.0	98.7	98.9	6.9	6.9	3.8	3	92	91	<0.2	0.8	<0.2	0.8						
IM6	Misty	Moderate	13:55	7.8	Surface	1.0	1.4	117	24.6	24.6	8.0	8.0	31.4	31.4	101.5	101.4	7.1	7.1	3.1	3	87	90	821080	805849	<0.2	0.8	<0.2	0.8				
						1.0	1.5	127	24.5	24.5	8.0	8.0	31.5	31.4	101.2	101.4	7.1	7.1	3.2	3	88	90	<0.2	0.8	<0.2	0.8						
					Middle	3.9	1.6	118	24.1	24.1	8.1	8.1	32.6	32.5	99.8	99.7	7.0	7.0	4.2	3	90	90	<0.2	0.7	<0.2	0.7						
						3.9	1.6	125	24.1	24.1	8.1	8.1	32.5	32.5	99.5	99.7	7.0	7.0	4.5	3	90	91	<0.2	0.8	<0.2	0.8						
					Bottom	6.8	1.7	121	24.0	24.0	8.1	8.1	32.7	32.7	96.4	96.4	6.7	6														

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

Water Quality Monitoring Results on 01 April 21 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	Sunny	Moderate	14:14	7.4	Surface	1.0	0.4	137	24.6	24.6	8.0	8.0	30.0	30.0	104.1	104.0	7.3	3.4	3	84	87	82	87	822084	808801	<0.2	1.1	<0.2	1.3							
						1.0	0.4	148	24.6	8.0	8.0	30.0	30.0	103.9	102.5	7.3	3.6	3	85	3	85	87	82	87	822084	808801	<0.2	1.3	<0.2	1.3						
						3.7	0.3	120	24.1	24.1	8.1	8.1	30.6	30.7	102.4	102.5	7.2	5.4	3	88	3	88	87	82	87	822084	808801	<0.2	1.2	<0.2	1.3					
					Middle	3.7	0.3	123	24.1	24.1	8.1	8.1	30.7	30.7	102.6	102.5	7.2	5.7	3	88	3	88	87	82	87	822084	808801	<0.2	1.3	<0.2	1.3					
						6.4	0.3	111	24.0	24.0	8.1	8.1	31.3	31.3	102.8	102.7	7.2	7.6	2	89	2	89	87	82	87	822084	808801	<0.2	1.3	<0.2	1.4					
						6.4	0.4	120	24.0	24.0	8.1	8.1	31.3	31.3	102.6	102.7	7.2	7.7	3	90	3	90	87	82	87	822084	808801	<0.2	1.4	<0.2	1.4					
					IM10	Sunny	Moderate	14:20	8.1	Surface	1.0	0.6	108	24.3	24.3	8.0	8.0	30.5	30.6	102.6	102.5	7.2	6.0	2	86	89	82	89	822366	809787	<0.2	1.1	<0.2	1.1		
											1.0	0.6	109	24.3	24.3	8.0	8.0	30.6	30.6	102.4	100.8	7.2	5.9	3	87	3	87	89	82	89	822366	809787	<0.2	1.1	<0.2	1.1
											4.1	0.5	102	24.1	24.1	8.0	8.0	30.7	30.7	100.9	100.8	7.1	6.3	3	90	3	90	89	82	89	822366	809787	<0.2	1.1	<0.2	1.1
Middle	4.1	0.5	104	24.1						24.1	8.0	8.0	30.7	30.7	100.7	100.8	7.1	6.2	2	90	2	90	89	82	89	822366	809787	<0.2	1.1	<0.2	1.1					
	7.1	0.4	111	24.1						24.1	8.0	8.0	30.8	30.7	99.8	99.7	7.0	8.6	5	91	5	91	89	82	89	822366	809787	<0.2	1.0	<0.2	1.1					
	7.1	0.4	118	24.1						24.1	8.0	8.0	30.7	30.7	99.5	99.7	7.0	8.5	5	91	5	91	89	82	89	822366	809787	<0.2	1.1	<0.2	1.1					
IM11	Sunny	Moderate	14:30	8.5						Surface	1.0	0.7	120	24.2	24.2	8.0	8.0	30.5	30.5	99.3	99.2	7.0	5.8	4	87	90	82	90	822038	811440	<0.2	1.0	<0.2	1.1		
											1.0	0.8	127	24.1	24.1	8.0	8.0	30.5	30.5	102.4	98.5	7.2	6.0	3	87	3	87	90	82	90	822038	811440	<0.2	1.1	<0.2	1.1
											4.3	0.6	120	24.1	24.1	8.0	8.0	30.5	30.5	98.5	98.5	7.0	7.9	4	89	4	89	90	82	90	822038	811440	<0.2	1.0	<0.2	1.0
					Middle	4.3	0.6	129	24.1	24.1	8.0	8.0	30.5	30.5	98.4	98.5	6.9	8.1	4	90	4	90	90	82	90	822038	811440	<0.2	1.0	<0.2	1.0					
						7.5	0.5	130	24.1	24.1	8.0	8.0	30.5	30.5	97.9	97.9	6.9	9.5	2	92	2	92	90	82	90	822038	811440	<0.2	1.1	<0.2	1.1					
						7.5	0.5	140	24.1	24.1	8.0	8.0	30.5	30.5	97.8	97.9	6.9	9.7	3	91	3	91	90	82	90	822038	811440	<0.2	1.0	<0.2	1.0					
					IM12	Sunny	Moderate	14:36	9.6	Surface	1.0	0.6	92	24.4	24.4	8.0	8.0	30.3	30.3	102.2	102.1	7.2	4.3	3	86	89	82	89	821474	812062	<0.2	1.1	<0.2	1.1		
											1.0	0.7	95	24.4	24.4	8.0	8.0	30.3	30.3	102.0	102.1	7.2	4.6	4	87	4	87	89	82	89	821474	812062	<0.2	1.1	<0.2	1.1
											4.8	0.6	100	24.2	24.2	8.0	8.0	30.5	30.5	99.4	99.4	7.0	5.5	4	88	4	88	89	82	89	821474	812062	<0.2	1.3	<0.2	1.3
Middle	4.8	0.6	101	24.2						24.2	8.0	8.0	30.5	30.5	99.4	99.4	7.0	5.7	3	88	3	88	89	82	89	821474	812062	<0.2	1.1	<0.2	1.1					
	8.6	0.5	87	24.2						24.2	8.0	8.0	30.5	30.5	98.8	98.7	7.0	6.3	3	91	3	91	89	82	89	821474	812062	<0.2	1.2	<0.2	1.2					
	8.6	0.5	94	24.2						24.2	8.0	8.0	30.5	30.5	98.6	98.7	7.0	6.3	3	91	3	91	89	82	89	821474	812062	<0.2	1.1	<0.2	1.1					
SR1A	Sunny	Calm	15:04	5.7						Surface	1.0	-	-	24.4	24.4	8.0	8.0	30.6	30.6	100.3	100.1	7.0	4.0	3	-	-	-	-	819982	812661	-	-	-	-		
											1.0	-	-	24.4	24.4	8.0	8.0	30.6	30.6	99.8	100.1	7.0	4.1	3	-	-	-	-	-	-	819982	812661	-	-	-	-
											2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819982	812661	-	-	-
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819982	812661	-	-	-	-				
						4.7	-	-	24.3	24.3	8.0	8.0	30.8	30.8	98.4	98.5	6.9	4.4	2	-	-	-	-	-	-	-	819982	812661	-	-	-	-				
						4.7	-	-	24.3	24.3	8.0	8.0	30.8	30.8	98.5	98.5	6.9	4.4	3	-	-	-	-	-	-	-	819982	812661	-	-	-	-				
					SR2	Sunny	Calm	15:19	4.8	Surface	1.0	0.4	82	24.3	24.3	8.0	8.0	30.4	30.4	102.3	102.2	7.2	7.0	7	88	90	82	90	821461	814153	<0.2	1.2	<0.2	1.1		
											1.0	0.4	86	24.3	24.3	8.0	8.0	30.4	30.4	102.1	102.2	7.2	7.0	6	89	6	89	90	82	90	821461	814153	<0.2	1.1	<0.2	1.1
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821461	814153	<0.2	1.1	<0.2
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821461	814153	<0.2	1.1	<0.2	1.1				
	3.8	0.4	82	24.3						24.3	8.0	8.0	30.4	30.4	101.4	101.3	7.1	6.6	5	91	5	91	90	82	90	821461	814153	<0.2	1.1	<0.2	1.1					
	3.8	0.4	87	24.3						24.3	8.0	8.0	30.4	30.4	101.1	101.3	7.1	6.5	6	92	6	92	90	82	90	821461	814153	<0.2	1.2	<0.2	1.2					
SR3	Sunny	Moderate	14:03	9.4						Surface	1.0	0.1	215	24.3	24.3	8.0	8.0	30.2	30.2	101.1	101.1	7.1	4.4	5	-	-	-	-	822146	807574	-	-	-	-		
											1.0	0.1	226	24.3	24.3	8.0	8.0	30.2	30.2	101.1	101.1	7.1	4.4	5	-	-	-	-	-	-	822146	807574	-	-	-	-
											4.7	0.1	123	24.1	24.1	8.0	8.0	30.6	30.6	101.6	101.7	7.2	5.5	4	-	-	-	-	-	-	822146	807574	-	-	-	-
					Middle	4.7	0.1	134	24.1	24.1	8.0	8.0	30.6	30.6	101.8	101.7	7.2	5.6	3	-	-	-	-	-	-	822146	807574	-	-	-	-					
						8.4	0.1	120	24.1	24.1	8.0	8.0	31.3	31.3	101.7	101.4	7.1	8.6	3	-	-	-	-	-	-	822146	807574	-	-	-	-					
						8.4	0.1	121	24.1	24.1	8.0	8.0	31.3	31.3	101.0	101.4	7.1	8.7	4	-	-	-	-	-	-	822146	807574	-	-	-	-					
					SR4A	Misty	Calm	15:18	8.8	Surface	1.0	2.1	257	24.3	24.3	8.1	8.1	32.6	32.6	100.4	100.3	7.0	3.8	3	-	-	-	-	817207	807824	-	-	-	-		
											1.0	2.2	268	24.3	24.3	8.1	8.1	32.7	32.6	100.1	100.3	7.0	3.9	3	-	-	-	-	-	-	817207	807824	-	-	-	-
											4.4	2.3	257	24.0	24.0	8.1	8.1	32.7	32.7	98.9	99.0	6.9	4.2	4	-	-	-	-	-	-	817207	807824	-	-	-	-
Middle	4.4	2.3	273	24.0						24.0	8.1	8.1	32.7	32.7	99.0	99.0	6.9	4.2	5	-	-	-	-	-	-	817207	807824	-	-	-	-					
	7.8	2.4	257	24.0						24.0	8.1	8.1	32.9	32.9	96.5	96.5	6.7	6.4	5	-	-	-	-	-	-	817207	807824	-	-	-	-					
	7.8	2.6	277	24.0						24.0	8.1	8.1	32.8</																							

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

Water Quality Monitoring Results on 03 April 21 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	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
						Value	Average		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	16:43	8.5	Surface	1.0	0.3	210	25.0	25.0	8.1	8.1	31.0	31.0	107.8	107.8	7.5	7.5	1.0	1.1	5	4	87	88	90	815643	804263	<0.2	1.2	<0.2	1.1				
						1.0	0.3	229	24.9	8.1	8.1	31.0	31.0	107.8	107.8	7.5	7.5	1.1	1.1	4	4	88	88	<0.2				1.1							
					Middle	4.3	0.3	220	24.7	8.1	8.1	31.1	31.1	106.7	105.1	7.4	7.4	3.0	3.1	3	3	91	91	<0.2				1.0	<0.2	1.0					
						4.3	0.3	237	24.7	8.1	8.1	31.2	31.2	103.4	102.9	7.2	7.2	3.1	3.1	3	3	92	92	<0.2				1.1	<0.2	1.1					
					Bottom	7.5	0.4	224	24.6	8.1	8.1	31.2	31.2	102.9	102.9	7.2	7.2	5.2	5.2	3	3	92	92	<0.2				1.2	<0.2	1.1					
						7.5	0.4	233	24.6	8.1	8.1	31.2	31.2	102.9	102.9	7.2	7.2	5.2	5.2	3	3	92	92	<0.2				1.1	<0.2	1.1					
C2	Cloudy	Moderate	15:34	12.4	Surface	1.0	0.2	135	24.8	24.8	8.0	8.0	29.1	29.1	98.0	97.9	6.9	6.9	4.3	4.3	5	6	88	88	91	825704	806945	<0.2	1.7	<0.2	1.8				
						1.0	0.2	146	24.8	8.0	8.0	29.1	29.1	97.8	97.9	6.9	6.9	4.3	4.3	6	6	88	88	<0.2				1.8							
					Middle	6.2	0.5	154	24.6	8.0	8.0	29.9	30.0	94.5	94.5	6.6	6.6	4.5	4.5	5	5	91	91	<0.2				1.8	<0.2	1.7					
						6.2	0.5	154	24.6	8.0	8.0	30.0	30.0	94.5	94.5	6.6	6.6	4.5	4.5	6	6	92	92	<0.2				1.7	<0.2	1.7					
					Bottom	11.4	0.5	144	24.4	8.0	8.0	30.7	30.7	93.7	93.7	6.6	6.6	7.8	7.8	5	5	93	93	<0.2				1.5	<0.2	1.5					
						11.4	0.5	157	24.4	8.0	8.0	30.7	30.7	93.7	93.7	6.6	6.6	7.8	7.8	6	6	94	94	<0.2				1.5	<0.2	1.5					
C3	Cloudy	Moderate	17:32	12.2	Surface	1.0	0.4	286	24.9	24.9	8.0	8.0	30.0	30.0	102.8	102.8	7.2	7.2	3.1	3.1	4	4	86	87	92	822120	817786	<0.2	1.3	<0.2	1.3				
						1.0	0.4	300	24.9	8.0	8.0	30.0	30.0	102.8	102.8	7.2	7.2	3.1	3.1	3	3	87	87	<0.2				1.3							
					Middle	6.1	0.2	257	24.8	8.0	8.0	30.1	30.1	100.7	100.7	7.0	7.0	3.5	3.5	4	4	101	101	<0.2				1.3	<0.2	1.3					
						6.1	0.2	266	24.8	8.0	8.0	30.1	30.1	100.7	100.7	7.0	7.0	3.5	3.5	5	5	89	89	<0.2				1.1	<0.2	1.1					
					Bottom	11.2	0.1	120	24.4	8.0	8.0	30.9	30.9	95.6	95.6	6.7	6.7	5.2	5.2	5	5	93	93	<0.2				1.1	<0.2	1.1					
						11.2	0.1	125	24.4	8.0	8.0	30.9	30.9	95.6	95.6	6.7	6.7	5.2	5.2	4	4	93	93	<0.2				1.0	<0.2	1.0					
IM1	Cloudy	Moderate	16:23	5.0	Surface	1.0	0.1	201	25.6	25.6	8.1	8.1	29.4	29.4	110.3	110.3	7.6	7.6	8.3	8.5	4	3	86	86	88	817947	807134	<0.2	1.1	<0.2	1.0				
						1.0	0.1	214	25.5	8.1	8.1	29.4	29.4	110.2	110.2	7.6	7.6	8.5	8.5	3	3	86	86	<0.2				1.0							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	4.0	0.1	173	25.0	25.0	8.1	8.1	29.7	29.7	101.1	101.1	7.1	7.1	6.1	6.1	2	2	90	90				<0.2	1.0	<0.2	1.1				
						4.0	0.1	185	25.0	25.0	8.1	8.1	29.7	29.7	101.1	101.1	7.1	7.1	6.5	6.5	2	2	90	90				<0.2	1.1	<0.2	1.1				
IM2	Cloudy	Moderate	16:16	7.1	Surface	1.0	0.3	176	24.9	24.9	8.1	8.1	29.9	30.0	102.2	102.1	7.1	7.1	1.4	1.5	3	2	86	85	89	818143	806178	<0.2	1.0	<0.2	1.1				
						1.0	0.3	181	24.9	8.1	8.1	30.0	30.0	102.0	102.1	7.1	7.1	1.5	1.5	2	2	85	85	<0.2				1.1							
					Middle	3.6	0.2	182	24.8	24.8	8.1	8.1	30.6	30.6	101.0	100.9	7.0	7.0	3.3	3.7	2	3	90	90				<0.2	0.9	<0.2	1.0				
						3.6	0.2	189	24.8	24.8	8.1	8.1	30.7	30.6	100.8	100.7	7.0	7.0	3.7	3.7	3	3	90	90				<0.2	1.0	<0.2	1.0				
					Bottom	6.1	0.2	115	24.7	24.8	8.1	8.1	30.8	30.8	99.8	99.7	7.0	7.0	5.9	5.9	3	3	91	91				<0.2	1.0	<0.2	1.1				
						6.1	0.2	116	24.8	24.8	8.1	8.1	30.8	30.8	99.6	99.7	6.9	7.0	6.1	6.1	2	2	91	91				<0.2	1.1	<0.2	1.1				
IM3	Cloudy	Moderate	16:09	7.0	Surface	1.0	0.2	154	24.9	24.9	8.1	8.1	30.1	30.1	103.0	103.0	7.2	7.2	1.6	1.7	3	4	88	88	90	818786	805605	<0.2	1.4	<0.2	1.6				
						1.0	0.2	155	24.9	8.1	8.1	30.1	30.1	102.9	103.0	7.2	7.2	1.7	1.7	4	4	88	88	<0.2				1.6							
					Middle	3.5	0.2	145	24.8	24.8	8.1	8.1	30.4	30.5	102.4	102.4	7.1	7.1	3.1	3.2	2	2	90	91				<0.2	1.9	<0.2	1.9				
						3.5	0.2	149	24.8	24.8	8.1	8.1	30.5	30.5	102.3	102.4	7.1	7.1	3.2	3.2	2	2	91	91				<0.2	1.9	<0.2	1.9				
					Bottom	6.0	0.1	126	24.7	24.7	8.1	8.1	30.7	30.7	101.4	101.4	7.1	7.1	5.5	5.5	<2	<2	91	91				<0.2	2.2	<0.2	2.3				
						6.0	0.1	130	24.7	24.7	8.1	8.1	30.7	30.7	101.3	101.4	7.1	7.1	6.2	6.2	<2	<2	91	91				<0.2	2.3	<0.2	2.3				
IM4	Cloudy	Moderate	15:59	8.6	Surface	1.0	0.4	193	25.0	25.0	8.1	8.1	29.6	29.7	100.4	100.6	7.0	7.0	1.1	1.2	2	2	87	87	89	819728	804619	<0.2	1.2	<0.2	1.0				
						1.0	0.4	194	25.0	25.0	8.1	8.1	29.7	29.7	100.7	100.6	7.0	7.0	1.2	1.2	2	2	87	87				<0.2	1.0						
					Middle	4.3	0.4	176	24.9	24.9	8.1	8.1	30.2	30.2	101.5	101.4	7.1	7.1	1.2	1.3	<2	<2	89	89				<0.2	1.0	<0.2	1.1				
						4.3	0.4	177	24.9	24.9	8.1	8.1	30.2	30.2	101.3	101.4	7.1	7.1	1.3	1.3	<2	<2	89	89				<0.2	1.1	<0.2	1.1				
					Bottom	7.6	0.3	166	24.9	24.9	8.1	8.1	30.4	30.4	98.9	98.8	6.9	6.9	8.8	8.8	<2	<2	90	91				<0.2	1.1	<0.2	1.0				
						7.6	0.3	180	24.9	24.9	8.1	8.1	30.4	30.4	98.7	98.8	6.9	6.9	9.3	9.3	<2	<2	91	91				<0.2	1.0	<0.2	1.0				
IM5	Cloudy	Moderate	15:52	8.0	Surface	1.0	0.3	221	25.0	25.0	8.1	8.1	29.8	29.7	100.3	100.3	7.0	7.0	0.9	0.9	2	3	86	86	89	820752	804871	<0.2	1.2	<0.2	1.0				
						1.0	0.3	240	25.0	25.0	8.1	8.1	29.7	29.7	100.3	100.3	7.0	7.0	0.9	0.9	3	3	86	86				<0.2	1.0						
					Middle	4.0	0.3	197	24.9	24.9	8.1	8.1	30.2	30.2	99.3	99.3	6.9	6.9	1.4	1.4	2	2	89	90				<0.2	1.1	<0.2	1.1				
						4.0	0.3	209	24.9	24.9	8.1	8.1	30.2	30.2	99.3	99.3	6.9	6.9	1.4	1.4	3	3	90	90				<0.2	1.1	<0.2	1.1				
					Bottom	7.0	0.1	221	24.9	24.9	8.1	8.1	30.4	30.4	98.4	98.4	6.9	6.9	2.8	2.8	2	2	91	91				<0.2	1.0	<0.2	0.9				
						7.0	0.1	239	24.9	24.9	8.1	8.1	30.4	30.4	98.4	98.4	6.9	6.9	2.8	2.8	3	3	91	91				<0.2	1.0	<0.2	0.9				
IM6	Cloudy	Moderate	15:44	7.8	Surface	1.0	0.1	243	24.9	24.9	8.1	8.1	29.8	29.9	99.3	99.3	6.9	6.9	1.0	1.0	5	4	86	87	89	821054	805827	<0.2	1.0	<0.2	0.9				
						1.0	0.1	249	24.9	24.9	8.1	8.1	29.9	29.9	99.2	99																			

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

Water Quality Monitoring Results on 03 April 21 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	16:01	7.6	Surface	1.0	2.8	31	24.9	24.9	8.0	8.0	29.3	29.3	101.8	101.8	7.1	7.1	3.7	3	3	87	90	822099	808806	<0.2	1.5	<0.2	1.5			
						1.0	3.0	33	24.9	8.0	8.0	29.3	29.3	101.8	101.8	7.1	7.1	3.7	3	3	87	90	822099	808806	<0.2	1.5	<0.2	1.5				
					Middle	3.8	2.9	31	24.9	24.9	8.0	8.0	30.0	30.0	102.6	102.6	7.2	7.2	4.7	3	3	89	90	822099	808806	<0.2	1.5	<0.2	1.5			
						3.8	3.0	33	24.9	24.9	8.0	8.0	30.0	30.0	102.7	102.7	7.2	7.2	4.8	4	3	91	90	822099	808806	<0.2	1.5	<0.2	1.5			
					Bottom	6.6	3.0	26	24.9	24.9	8.0	8.0	30.2	30.2	102.6	102.6	7.2	7.2	5.4	3	3	92	90	822099	808806	<0.2	1.5	<0.2	1.5			
						6.6	3.1	26	24.9	24.9	8.0	8.0	30.2	30.2	102.5	102.5	7.1	7.1	5.4	4	3	92	90	822099	808806	<0.2	1.5	<0.2	1.5			
IM10	Cloudy	Moderate	16:08	7.3	Surface	1.0	2.8	35	25.3	25.3	8.0	8.0	28.9	28.9	108.6	108.6	7.6	7.6	2.8	3	3	87	90	822388	809808	<0.2	1.5	<0.2	1.5			
						1.0	3.1	38	25.3	25.3	8.0	8.0	28.9	28.9	108.5	108.5	7.6	7.6	2.8	4	3	87	90	822388	809808	<0.2	1.5	<0.2	1.5			
					Middle	3.7	2.7	35	24.8	24.8	8.0	8.0	30.1	30.1	100.8	100.8	7.0	7.0	5.7	4	3	91	90	822388	809808	<0.2	1.5	<0.2	1.5			
						3.7	2.9	35	24.8	24.8	8.0	8.0	30.1	30.1	100.8	100.8	7.0	7.0	5.7	3	3	91	90	822388	809808	<0.2	1.5	<0.2	1.5			
					Bottom	6.3	2.9	29	24.8	24.8	8.0	8.0	30.1	30.1	99.6	99.6	7.0	7.0	6.4	3	3	92	90	822388	809808	<0.2	1.5	<0.2	1.5			
						6.3	3.1	31	24.8	24.8	8.0	8.0	30.1	30.1	99.8	99.8	7.0	7.0	6.3	3	3	93	90	822388	809808	<0.2	1.5	<0.2	1.5			
IM11	Cloudy	Moderate	16:17	7.8	Surface	1.0	2.2	26	25.1	25.1	8.0	8.0	29.5	29.5	105.1	105.1	7.3	7.3	3.9	5	4	86	90	822080	811469	<0.2	1.5	<0.2	1.5			
						1.0	2.3	26	25.1	25.1	8.0	8.0	29.5	29.5	105.0	105.0	7.3	7.3	3.9	6	4	88	90	822080	811469	<0.2	1.5	<0.2	1.5			
					Middle	3.9	2.4	21	24.7	24.7	8.0	8.0	30.1	30.1	98.4	98.4	6.9	6.9	4.6	4	4	90	90	822080	811469	<0.2	1.5	<0.2	1.5			
						3.9	2.5	22	24.7	24.7	8.0	8.0	30.1	30.1	98.4	98.4	6.9	6.9	4.5	5	4	92	90	822080	811469	<0.2	1.5	<0.2	1.5			
					Bottom	6.8	2.2	20	24.6	24.6	8.0	8.0	30.3	30.3	93.9	94.0	6.6	6.6	6.5	3	3	93	90	822080	811469	<0.2	1.5	<0.2	1.5			
						6.8	2.3	20	24.6	24.6	8.0	8.0	30.3	30.3	94.0	94.0	6.6	6.6	6.5	3	3	91	90	822080	811469	<0.2	1.5	<0.2	1.5			
IM12	Cloudy	Moderate	16:23	9.3	Surface	1.0	0.5	95	25.1	25.1	8.0	8.0	29.4	29.4	102.7	102.7	7.2	7.2	3.4	3	3	86	89	821458	812046	<0.2	1.5	<0.2	1.5			
						1.0	0.5	101	25.1	25.1	8.0	8.0	29.4	29.4	102.7	102.7	7.2	7.2	3.4	4	3	86	89	821458	812046	<0.2	1.5	<0.2	1.5			
					Middle	4.7	0.4	116	24.8	24.8	8.0	8.0	30.0	30.0	96.8	96.8	6.8	6.8	5.5	4	3	87	89	821458	812046	<0.2	1.5	<0.2	1.5			
						4.7	0.4	125	24.8	24.8	8.0	8.0	30.1	30.0	96.8	96.8	6.8	6.8	5.6	3	3	90	89	821458	812046	<0.2	1.5	<0.2	1.5			
					Bottom	8.3	0.2	92	24.7	24.7	8.0	8.0	30.0	30.0	96.2	96.2	6.7	6.7	5.9	3	3	92	89	821458	812046	<0.2	1.5	<0.2	1.5			
						8.3	0.2	100	24.7	24.7	8.0	8.0	30.0	30.0	96.2	96.2	6.7	6.7	5.9	3	3	92	89	821458	812046	<0.2	1.5	<0.2	1.5			
SR1A	Cloudy	Moderate	16:56	5.5	Surface	1.0	-	-	25.1	25.1	8.0	8.0	29.4	29.4	102.5	102.5	7.2	7.2	3.1	4	4	-	-	819977	812662	-	-	-	-			
						1.0	-	-	25.1	25.1	8.0	8.0	29.4	29.4	102.4	102.4	7.2	7.2	3.2	3	3	-	-	-	-	819977	812662	-	-	-	-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.5	-	-	24.9	24.9	8.0	8.0	29.8	29.8	97.2	97.2	6.8	6.8	4.8	4	4	-	-	-	-	-	819977	812662	-	-	-	-
						4.5	-	-	24.9	24.9	8.0	8.0	29.8	29.8	97.2	97.2	6.8	6.8	4.8	4	4	-	-	-	-	-	819977	812662	-	-	-	-
SR2	Cloudy	Moderate	17:11	4.4	Surface	1.0	0.4	100	24.9	24.9	8.0	8.0	29.4	29.4	101.1	101.1	7.1	7.1	4.5	7	7	90	92	821468	814170	<0.2	1.1	<0.2	1.1			
						1.0	0.4	104	24.9	24.9	8.0	8.0	29.4	29.4	101.1	101.1	7.1	7.1	4.5	6	7	91	92	821468	814170	<0.2	1.1	<0.2	1.1			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.4	0.4	100	24.9	24.9	8.0	8.0	29.5	29.5	99.2	99.2	7.0	7.0	5.7	7	7	92	92	93	92	92	821468	814170	<0.2	1.1	<0.2	1.1
						3.4	0.4	106	24.9	24.9	8.0	8.0	29.5	29.5	99.2	99.2	6.9	6.9	5.7	6	6	93	92	93	93	93	821468	814170	<0.2	1.1	<0.2	1.1
SR3	Cloudy	Moderate	15:51	9.1	Surface	1.0	2.4	8	24.9	24.9	8.0	8.0	29.1	29.1	100.6	100.6	7.1	7.1	3.2	3	3	-	-	822146	807593	-	-	-	-			
						1.0	2.5	8	24.9	24.9	8.0	8.0	29.1	29.1	100.5	100.5	7.1	7.1	3.3	4	4	-	-	-	-	822146	807593	-	-	-	-	
					Middle	4.5	2.5	10	24.8	24.8	8.0	8.0	29.7	29.7	100.9	100.9	7.1	7.1	4.6	3	4	-	-	-	-	822146	807593	-	-	-	-	
						4.5	2.6	10	24.8	24.8	8.0	8.0	29.7	29.7	100.9	100.9	7.1	7.1	4.6	4	4	-	-	-	-	822146	807593	-	-	-	-	
					Bottom	8.1	2.5	6	24.9	24.9	8.0	8.0	30.2	30.2	105.3	105.3	7.3	7.3	5.1	5	4	-	-	-	-	822146	807593	-	-	-	-	
						8.1	2.6	6	24.9	24.9	8.0	8.0	30.2	30.2	105.2	105.2	7.3	7.3	5.1	5	4	-	-	-	-	822146	807593	-	-	-	-	
SR4A	Cloudy	Moderate	17:06	8.8	Surface	1.0	0.1	10	25.4	25.4	8.1	8.1	29.8	29.8	103.6	103.5	7.2	7.2	2.5	3	3	-	-	817182	807829	-	-	-	-			
						1.0	0.1	10	25.4	25.4	8.1	8.1	29.8	29.8	103.4	103.4	7.2	7.2	2.7	3	3	-	-	-	-	817182	807829	-	-	-	-	
					Middle	4.4	0.1	10	24.9	24.9	8.1	8.1	30.2	30.2	99.3	99.3	6.9	6.9	3.4	3	4	-	-	-	-	817182	807829	-	-	-	-	
						4.4	0.1	10	24.9	24.9	8.1	8.1	30.2	30.2	99.2	99.2	6.9	6.9	3.4	4	4	-	-	-	-	817182	807829	-	-	-	-	
					Bottom	7.8	0.1	33	24.8	24.8	8.1	8.1	30.4	30.4	98.8	98.9	6.9	6.9	2.7	4	4	-	-	-	-	817182	807829	-	-	-	-	
						7.8	0.1	35	24.8	24.8	8.1	8.1	30.3	30.4	98.9	98.9	6.9	6.9	2.7	5	4	-	-	-	-	817182	807829	-	-	-	-	
SR5A	Cloudy	Calm	17:22	4.0	Surface	1.0	0.1	307	25.3	25.3</																						

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

Water Quality Monitoring Results on 03 April 21 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	Cloudy	Moderate	10:51	8.8	Surface	1.0	0.5	44	24.7	24.7	8.1	8.1	30.4	30.4	99.2	99.1	6.9	6.9	2.0	2.0	3	3	85	85	88	815599	804236	<0.2	0.9	<0.2	0.9
						1.0	0.6	45	24.7	24.7	8.1	8.1	30.4	30.4	98.9	98.9	6.9	6.9	2.0	2.0	4	4	85	85				<0.2	0.9		
						4.4	0.4	33	24.5	24.6	8.1	8.1	30.6	30.6	98.2	98.2	6.9	6.9	2.2	2.2	4	4	88	88				<0.2	0.9		
					4.4	0.4	36	24.6	24.6	8.1	8.1	30.6	30.6	98.2	98.2	6.9	6.9	2.2	2.2	3	3	89	89	<0.2				0.9			
					7.8	0.4	26	24.1	24.1	8.1	8.1	31.4	31.4	95.2	95.2	6.7	6.7	3.2	3.2	4	4	89	89	<0.2				0.8			
					7.8	0.4	26	24.1	24.1	8.1	8.1	31.4	31.4	95.2	95.2	6.7	6.7	3.3	3.3	3	3	89	89	<0.2				0.8			
					1.0	0.3	18	25.1	25.1	8.0	8.0	27.9	27.9	106.5	106.6	7.5	7.5	2.4	2.4	3	3	86	86	<0.2				1.4			
					1.0	0.4	18	25.1	25.1	8.0	8.0	27.9	27.9	106.7	106.7	7.5	7.5	2.5	2.5	4	4	86	86	<0.2				1.5			
					6.2	0.4	44	24.8	24.8	8.0	8.0	28.8	28.8	100.2	100.2	7.1	7.1	4.2	4.2	4	4	89	89	<0.2				1.3			
6.2	0.4	44	24.8	24.8	8.0	8.0	28.8	28.8	100.1	100.1	7.1	7.1	4.2	4.2	4	4	90	90	<0.2	1.4											
11.4	0.3	62	24.8	24.8	8.0	8.0	29.0	29.0	98.7	98.7	6.9	6.9	6.4	6.4	4	4	91	91	<0.2	1.5											
11.4	0.4	65	24.8	24.8	8.0	8.0	29.0	29.0	98.7	98.7	7.0	7.0	6.1	6.1	3	3	92	92	<0.2	1.4											
C2	Cloudy	Moderate	11:47	12.4	Surface	1.0	0.6	236	24.9	24.9	8.0	8.0	29.6	29.6	103.4	103.4	7.2	7.2	2.1	2.1	2	2	83	83	86	822116	817790	<0.2	1.2	<0.2	1.2
						1.0	0.7	240	24.8	24.8	8.0	8.0	29.7	29.7	103.4	103.4	7.2	7.2	2.2	2.2	2	2	83	83				<0.2	1.2		
						6.5	0.6	238	24.2	24.2	8.0	8.0	31.0	31.0	95.1	95.1	6.7	6.7	2.5	2.5	2	2	86	86				<0.2	1.2		
					6.5	0.7	252	24.2	24.2	8.0	8.0	31.0	31.0	95.1	95.1	6.7	6.7	2.5	2.5	3	3	85	85	<0.2				1.2			
					11.9	0.5	239	24.1	24.1	8.0	8.0	31.3	31.3	93.9	93.9	6.6	6.6	3.0	3.0	3	3	88	88	<0.2				1.5			
					11.9	0.5	239	24.1	24.1	8.0	8.0	31.3	31.3	93.9	93.9	6.6	6.6	3.0	3.0	3	3	88	88	<0.2				1.4			
					1.0	0.2	6	25.1	25.1	8.1	8.1	29.4	29.4	100.4	100.4	7.0	7.0	1.3	1.3	5	5	86	86	<0.2				0.9			
					1.0	0.2	6	25.0	25.1	8.1	8.1	29.5	29.4	100.3	100.3	7.0	7.0	1.5	1.5	5	5	85	85	<0.2				0.9			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
4.4	0.1	12	24.8	24.8	8.0	8.0	29.7	29.7	94.0	94.0	6.6	6.6	3.8	3.8	5	5	88	88	<0.2	1.1											
4.4	0.1	13	24.8	24.8	8.0	8.0	29.7	29.7	94.0	94.0	6.6	6.6	3.8	3.8	4	4	89	89	<0.2	1.0											
IM1	Cloudy	Moderate	11:08	5.4	Surface	1.0	0.4	5	25.0	25.0	8.1	8.1	29.2	29.2	101.4	101.3	7.1	7.1	1.2	1.2	5	5	85	85	88	818160	806145	<0.2	1.0	<0.2	1.0
						1.0	0.4	5	24.9	24.9	8.1	8.1	29.2	29.2	101.1	101.1	7.1	7.1	1.3	1.3	6	6	85	85				<0.2	1.1		
						3.4	0.3	353	24.8	24.8	8.1	8.1	29.6	29.6	98.1	98.0	6.9	6.9	3.1	3.1	5	5	88	88				<0.2	0.9		
					3.4	0.3	325	24.8	24.8	8.1	8.1	29.6	29.6	97.9	98.0	6.9	6.9	3.2	3.2	4	4	89	89	<0.2				1.0			
					5.8	0.2	339	24.8	24.8	8.1	8.1	29.7	29.7	95.8	95.8	6.7	6.7	9.3	9.3	4	4	89	89	<0.2				1.0			
					5.8	0.2	358	24.8	24.8	8.1	8.1	29.7	29.7	95.7	95.8	6.7	6.7	9.4	9.4	4	4	90	90	<0.2				0.9			
					1.0	0.4	342	24.8	24.8	8.1	8.1	29.5	29.5	97.2	97.0	6.8	6.8	2.5	2.5	4	4	85	85	<0.2				1.2			
					1.0	0.4	315	24.8	24.8	8.1	8.1	29.5	29.5	96.8	96.8	6.8	6.8	2.7	2.7	3	3	86	86	<0.2				1.1			
					3.8	0.4	336	24.8	24.8	8.1	8.1	29.7	29.7	95.0	95.0	6.7	6.7	5.2	5.2	3	3	88	88	<0.2				1.1			
3.8	0.4	309	24.8	24.8	8.1	8.1	29.7	29.7	94.9	94.9	6.7	6.7	5.5	5.5	4	4	89	89	<0.2	1.1											
6.6	0.3	317	24.8	24.8	8.1	8.1	29.8	29.8	94.4	94.4	6.6	6.6	6.7	6.7	4	4	90	90	<0.2	1.1											
6.6	0.3	348	24.8	24.8	8.1	8.1	29.8	29.8	94.3	94.4	6.6	6.6	6.8	6.8	5	5	90	90	<0.2	1.0											
IM2	Cloudy	Moderate	11:17	6.8	Surface	1.0	0.4	5	25.0	25.0	8.1	8.1	29.2	29.2	101.4	101.3	7.1	7.1	1.2	1.2	5	5	85	85	88	818160	806145	<0.2	1.0	<0.2	1.0
						1.0	0.4	5	24.9	24.9	8.1	8.1	29.2	29.2	101.1	101.1	7.1	7.1	1.3	1.3	6	6	85	85				<0.2	1.1		
						3.4	0.3	353	24.8	24.8	8.1	8.1	29.6	29.6	98.1	98.0	6.9	6.9	3.1	3.1	5	5	88	88				<0.2	0.9		
					3.4	0.3	325	24.8	24.8	8.1	8.1	29.6	29.6	97.9	98.0	6.9	6.9	3.2	3.2	4	4	89	89	<0.2				1.0			
					5.8	0.2	339	24.8	24.8	8.1	8.1	29.7	29.7	95.8	95.8	6.7	6.7	9.3	9.3	4	4	89	89	<0.2				1.0			
					5.8	0.2	358	24.8	24.8	8.1	8.1	29.7	29.7	95.7	95.8	6.7	6.7	9.4	9.4	4	4	90	90	<0.2				0.9			
					1.0	0.4	342	24.8	24.8	8.1	8.1	29.5	29.5	97.2	97.0	6.8	6.8	2.5	2.5	4	4	85	85	<0.2				1.2			
					1.0	0.4	315	24.8	24.8	8.1	8.1	29.5	29.5	96.8	96.8	6.8	6.8	2.7	2.7	3	3	86	86	<0.2				1.1			
					3.8	0.4	336	24.8	24.8	8.1	8.1	29.7	29.7	95.0	95.0	6.7	6.7	5.2	5.2	3	3	88	88	<0.2				1.1			
3.8	0.4	309	24.8	24.8	8.1	8.1	29.7	29.7	94.9	94.9	6.7	6.7	5.5	5.5	4	4	89	89	<0.2	1.1											
6.6	0.3	317	24.8	24.8	8.1	8.1	29.8	29.8	94.4	94.4	6.6	6.6	6.7	6.7	4	4	90	90	<0.2	1.1											
6.6	0.3	348	24.8	24.8	8.1	8.1	29.8	29.8	94.3	94.4	6.6	6.6	6.8	6.8	5	5	90	90	<0.2	1.0											
IM3	Cloudy	Moderate	11:23	7.6	Surface	1.0	0.7	356	24.9	24.9	8.1	8.1	28.9	28.9	101.1	101.1	7.1	7.1	1.1	1.1	3	3	86	86	88	819737	804630	<0.2	1.1	<0.2	1.1
						1.0	0.7	328	24.9	24.9	8.1	8.1	28.9	28.9	101.1	101.1	7.1	7.1	1.1	1.1	3	3	86	86				<0.2	1.0		
						4.2	0.7	354	24.7	24.7	8.1	8.1	29.8	29.8	96.3	96.3	6.8	6.8	3.6	3.6	4	4	89	89				<0.2	1.0		
					4.2	0.7	326	24.7	24.7	8.1	8.1	29.8	29.8	96.2	96.3	6.7	6.7	3.8	3.8	3	3	89	89	<0.2				1.1			
					7.4	0.5	356	24.8	24.8	8.1	8.1	29.8	29.8	95.3	95.3	6.7	6.7	4.8	4.8	3	3	90	90	<0.2				1.0			
					7.4	0.6	328	24.8	24.8	8.1	8.1	29.8	29.8	95.2	95.3	6.7	6.7	5.0	5.0	3	3	90	90	<0.2				1.1			
					1.0	1.0	10	25.0	25.0	8.1	8.1	29.4	29.5	98.4	98.4	6.9	6.9	2.7	2.7	3	3	85	85	<0.2				1.1			
					1.0	1.1	10	25.0	25.0	8.1	8.1	29.5	29.5	98.3	98.3	6.9	6.9	2.9	2.9	3	3	85	85	<0.2				1.0			
					3.8	1.0	12	24.9	24.9	8.1	8.1	29.6	29.6	97.3	97.3	6.8															

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 April 21 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	11:14	7.9	Surface	1.0	1.8	272	25.0	25.0	8.0	8.0	28.6	28.6	101.7	101.8	7.2	7.2	2.6	2.6	2	3	86	89	822115	808791	<0.2	1.4	<0.2	1.4					
						1.0	2.0	278	25.0	8.0	8.0	28.6	28.6	101.8	101.8	7.2	7.2	2.6	2.6	3	3	86	89	822115	808791	<0.2	1.4	<0.2	1.4						
						4.0	1.7	271	24.9	8.0	8.0	28.8	28.8	98.2	98.2	6.9	6.9	2.8	2.8	3	3	89	90	822115	808791	<0.2	1.4	<0.2	1.4						
					Middle	4.0	1.7	280	24.9	8.0	8.0	28.8	28.8	98.1	98.1	6.9	6.9	2.8	2.8	3	3	89	90	822115	808791	<0.2	1.4	<0.2	1.4						
						6.9	1.5	282	24.8	8.0	8.0	29.0	29.0	95.9	95.9	6.7	6.7	4.5	4.5	3	3	90	91	822115	808791	<0.2	1.3	<0.2	1.4						
						6.9	1.6	294	24.8	8.0	8.0	29.0	29.0	95.9	95.9	6.7	6.7	4.4	4.4	3	3	91	91	822115	808791	<0.2	1.4	<0.2	1.4						
					IM10	Cloudy	Moderate	11:06	8.4	Surface	1.0	2.6	242	25.1	25.1	8.0	8.0	28.6	28.6	103.6	103.6	7.3	7.3	2.3	2.4	4	4	83	87	822367	809774	<0.2	1.4	<0.2	1.5
											1.0	2.8	252	25.1	8.0	8.0	28.6	28.6	103.5	103.5	7.3	7.3	2.4	2.4	4	4	84	87	822367	809774	<0.2	1.4	<0.2	1.4	
											4.2	2.6	238	24.8	8.0	8.0	29.6	29.6	96.2	96.2	6.7	6.7	5.8	5.9	2	3	87	88	822367	809774	<0.2	1.4	<0.2	1.4	
Middle	4.2	2.7	259	24.8						8.0	8.0	29.6	29.6	96.1	96.1	6.7	6.7	5.9	5.9	3	3	88	88	822367	809774	<0.2	1.4	<0.2	1.4						
	7.4	2.7	234	24.8						8.0	8.0	29.6	29.6	95.8	95.8	6.7	6.7	6.4	6.4	2	2	90	90	822367	809774	<0.2	1.5	<0.2	1.5						
	7.4	2.8	248	24.8						8.0	8.0	29.6	29.6	95.9	95.9	6.7	6.7	6.1	6.1	2	2	90	90	822367	809774	<0.2	1.5	<0.2	1.5						
IM11	Cloudy	Moderate	10:57	8.3						Surface	1.0	1.2	38	25.0	25.0	8.0	8.0	29.5	29.5	100.3	100.3	7.0	7.0	4.3	4.3	4	5	84	85	822053	811483	<0.2	1.4	<0.2	1.4
											1.0	1.3	38	24.9	24.9	8.0	8.0	29.5	29.5	100.2	100.2	7.0	7.0	4.3	4.3	5	5	85	86	822053	811483	<0.2	1.4	<0.2	1.4
											4.2	1.1	42	24.8	24.8	8.0	8.0	29.9	29.9	96.9	96.9	6.8	6.8	6.4	6.4	4	4	86	86	822053	811483	<0.2	1.5	<0.2	1.4
					Middle	4.2	1.2	43	24.8	24.8	8.0	8.0	29.9	29.9	96.9	96.9	6.8	6.8	6.4	6.4	4	4	86	86	822053	811483	<0.2	1.4	<0.2	1.4					
						7.3	1.1	43	24.8	24.8	8.0	8.0	29.9	29.9	96.3	96.3	6.7	6.7	8.3	8.3	4	4	86	86	822053	811483	<0.2	1.4	<0.2	1.4					
						7.3	1.1	43	24.8	24.8	8.0	8.0	29.9	29.9	96.3	96.3	6.7	6.7	8.3	8.3	5	5	86	86	822053	811483	<0.2	1.4	<0.2	1.4					
					IM12	Cloudy	Moderate	10:51	8.0	Surface	1.0	1.3	227	24.9	24.9	8.0	8.0	29.8	29.9	98.8	98.7	6.9	6.9	4.7	4.9	6	5	84	85	821460	812048	<0.2	1.3	<0.2	1.3
											1.0	1.3	227	24.9	24.9	8.0	8.0	29.8	29.9	98.6	98.6	6.9	6.9	4.9	4.9	5	5	85	85	821460	812048	<0.2	1.3	<0.2	1.3
											4.0	1.0	223	24.7	24.7	8.0	8.0	30.0	30.0	97.1	97.1	6.8	6.8	6.7	6.9	5	6	85	86	821460	812048	<0.2	1.4	<0.2	1.4
Middle	4.0	1.0	227	24.7						24.7	8.0	8.0	30.0	30.0	97.1	97.1	6.8	6.8	6.9	6.9	6	6	86	88	821460	812048	<0.2	1.5	<0.2	1.4					
	7.0	0.9	222	24.7						24.7	8.0	8.0	30.1	30.1	96.2	96.2	6.7	6.7	8.0	8.0	5	5	88	89	821460	812048	<0.2	1.3	<0.2	1.3					
	7.0	1.0	227	24.7						24.7	8.0	8.0	30.1	30.1	96.2	96.2	6.7	6.7	7.7	7.7	6	6	89	89	821460	812048	<0.2	1.5	<0.2	1.5					
SR1A	Cloudy	Moderate	10:12	5.6						Surface	1.0	-	-	25.1	25.1	8.0	8.0	28.4	28.4	102.9	102.9	7.2	7.2	2.2	2.2	3	3	-	-	819972	812662	-	-	-	-
											1.0	-	-	25.1	25.1	8.0	8.0	28.4	28.4	102.8	102.8	7.2	7.2	2.2	2.2	3	3	-	-	819972	812662	-	-	-	-
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819972	812662	-	-	-	-		
						4.6	-	-	24.9	24.9	8.0	8.0	29.9	29.8	95.0	95.1	6.6	6.7	3.0	3.0	3	3	-	-	-	-	819972	812662	-	-	-	-			
						4.6	-	-	24.9	24.9	8.0	8.0	29.8	29.8	95.1	95.1	6.7	6.7	3.0	3.0	4	4	-	-	-	-	819972	812662	-	-	-	-			
					SR2	Cloudy	Moderate	09:56	4.9	Surface	1.0	0.2	220	24.8	24.8	7.9	7.9	29.8	29.8	98.4	98.4	6.9	6.9	3.9	3.9	3	3	84	85	821450	814159	<0.2	1.5	<0.2	1.4
											1.0	0.2	233	24.8	24.8	7.9	7.9	29.8	29.8	98.4	98.4	6.9	6.9	3.9	3.9	3	3	85	87	821450	814159	<0.2	1.4	<0.2	1.4
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821450	814159	<0.2	1.4	<0.2	1.4		
	3.9	0.2	219	24.7						24.7	7.9	7.9	30.0	30.0	96.6	96.6	6.8	6.8	4.2	4.1	4	3	87	87	821450	814159	<0.2	1.4	<0.2	1.4					
	3.9	0.2	238	24.7						24.7	7.9	7.9	30.0	30.0	96.6	96.6	6.8	6.8	4.1	4.1	3	3	87	87	821450	814159	<0.2	1.4	<0.2	1.4					
SR3	Cloudy	Moderate	11:28	9.7						Surface	1.0	2.3	164	25.0	25.0	8.0	8.0	28.3	28.3	105.3	105.2	7.4	7.4	2.3	2.4	4	3	-	-	822159	807547	-	-	-	-
											1.0	2.3	164	25.0	25.0	8.0	8.0	28.3	28.3	105.0	105.0	7.4	7.4	2.4	2.4	3	3	-	-	822159	807547	-	-	-	-
											4.9	2.1	163	24.9	24.9	8.0	8.0	29.1	29.0	103.2	103.2	7.2	7.2	3.7	3.5	4	3	-	-	822159	807547	-	-	-	-
					Middle	4.9	2.2	165	24.9	24.9	8.0	8.0	29.0	29.0	103.2	103.2	7.2	7.2	3.5	3.5	3	3	-	-	-	-	822159	807547	-	-	-	-			
						8.7	2.4	164	24.8	24.8	8.0	8.0	30.3	30.3	98.7	98.7	6.9	6.9	4.0	3.9	3	3	-	-	-	-	822159	807547	-	-	-	-			
						8.7	2.5	173	24.8	24.8	8.0	8.0	30.3	30.3	98.6	98.6	6.9	6.9	3.9	3.9	3	3	-	-	-	-	822159	807547	-	-	-	-			
					SR4A	Cloudy	Moderate	10:27	8.2	Surface	1.0	0.0	46	24.8	24.8	8.0	8.0	29.6	29.6	93.2	93.1	6.5	6.5	1.6	1.6	4	5	-	-	817202	807815	-	-	-	-
											1.0	0.0	49	24.8	24.8	8.0	8.0	29.6	29.6	93.0	93.1	6.5	6.5	1.6	1.6	5	5	-	-	817202	807815	-	-	-	-
											4.1	0.1	167	24.7	24.7	8.0	8.0	29.7	29.7	92.2	92.2	6.5	6.5	1.6	1.6	5	5	-	-	817202	807815	-	-	-	-
Middle	4.1	0.1	182	24.7						24.7	8.0	8.0	29.7	29.7	92.1	92.1	6.5	6.5	1.6	1.6	6	6	-	-	-	-	817202	807815	-	-	-	-			
	7.2	0.1	103	24.7						24.7	8.0	8.0	29.7	29.7	91.8	91.8	6.4	6.4	1.4	1.4	6	6	-	-	-	-	817202	807815	-	-	-	-			
	7.2	0.1	106	24.7						24.7	8.0	8.0	29.7	29.7	91.8	91.8	6.4	6.4	1.4	1.4	6	6													

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

Water Quality Monitoring Results on 06 April 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Misty	Calm	20:51	8.2	Surface	1.0	0.0	77	24.3	24.3	8.1	8.1	30.5	30.6	103.6	104.0	7.3	7.1	2.3	3.4	2	3	88	91	815600	804240	<0.2	0.7	<0.2	0.8				
						1.0	0.0	79	24.3	8.1	8.1	30.6	30.6	104.3	104.0	7.3	7.1	2.3	3	88	91	<0.2	0.9	<0.2			0.9							
					4.1	0.1	156	24.2	8.1	8.1	31.0	31.1	99.2	98.6	7.0	6.8	3.7	3	92	91	<0.2	0.9	<0.2	0.9										
					4.1	0.1	157	24.2	8.1	8.1	31.1	31.2	97.9	96.6	6.9	6.8	3.8	2	92	91	<0.2	0.9	<0.2	0.8										
					7.2	0.1	178	24.3	8.1	8.1	31.2	31.2	96.8	96.7	6.8	6.8	4.3	2	93	91	<0.2	0.8	<0.2	0.8										
					7.2	0.1	190	24.3	8.1	8.1	31.2	31.2	96.6	96.7	6.8	6.8	4.2	3	93	91	<0.2	0.8	<0.2	0.8										
C2	Fine	Moderate	19:46	10.5	Surface	1.0	0.3	167	24.9	24.9	8.0	8.0	29.1	29.1	95.5	95.5	6.7	6.5	2.0	2.6	3	3	86	91	825664	806950	<0.2	1.6	<0.2	1.7				
						1.0	0.3	170	24.9	8.0	8.0	29.1	29.1	95.5	95.5	6.7	6.5	2.0	3	87	91	<0.2	1.7	<0.2			1.7							
					5.3	0.2	176	24.7	24.7	8.0	8.0	30.7	30.7	90.6	90.6	6.3	6.3	2.4	2	90	91	<0.2	1.7	<0.2			1.5							
					5.3	0.2	182	24.7	24.7	8.0	8.0	30.7	30.7	90.6	90.6	6.3	6.3	2.4	3	91	91	<0.2	1.5	<0.2			1.5							
					9.5	0.2	171	24.4	24.4	8.0	8.0	31.4	31.4	88.7	88.7	6.2	6.2	3.4	2	94	91	<0.2	1.3	<0.2			1.3							
					9.5	0.2	176	24.4	24.4	8.0	8.0	31.4	31.4	88.7	88.7	6.2	6.2	3.4	2	95	91	<0.2	1.4	<0.2			1.4							
C3	Fine	Moderate	21:52	12.0	Surface	1.0	0.1	32	25.1	25.1	8.0	8.0	31.3	31.3	95.7	95.8	6.6	6.6	1.6	2.2	2	3	86	90	822122	817818	<0.2	1.5	<0.2	1.4				
						1.0	0.1	33	25.1	25.1	8.0	8.0	31.3	31.3	95.8	95.8	6.6	6.6	1.6	2	87	90	<0.2	1.4			<0.2	1.4						
					6.0	0.1	45	24.8	24.8	8.0	8.0	31.6	31.6	94.8	94.9	6.6	6.6	1.7	3	90	90	<0.2	1.4	<0.2			1.5							
					6.0	0.1	47	24.8	24.8	8.0	8.0	31.6	31.6	94.9	94.9	6.6	6.6	1.7	2	90	90	<0.2	1.5	<0.2			1.4							
					11.0	0.1	79	24.6	24.6	8.0	8.0	31.9	31.9	93.7	93.6	6.5	6.5	3.1	3	94	90	<0.2	1.4	<0.2			1.4							
					11.0	0.2	82	24.6	24.6	8.0	8.0	31.9	31.9	93.5	93.5	6.5	6.5	3.2	3	94	90	<0.2	1.4	<0.2			1.4							
IM1	Misty	Calm	20:31	5.0	Surface	1.0	0.1	165	24.5	24.5	8.1	8.1	30.3	30.3	98.6	98.7	6.9	6.9	3.4	3.8	3	2	87	89	817927	807147	<0.2	0.7	<0.2	0.6				
						1.0	0.1	173	24.5	24.5	8.1	8.1	30.3	30.3	98.7	98.7	6.9	6.9	3.4	2	88	89	<0.2	0.6			<0.2	0.6						
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					4.0	0.1	143	24.3	24.4	8.1	8.1	30.5	30.5	93.2	93.2	6.6	6.6	4.2	2	90	89	<0.2	0.7	<0.2			0.6							
					4.0	0.1	143	24.4	24.4	8.1	8.1	30.5	30.5	93.1	93.1	6.5	6.5	4.2	2	91	89	<0.2	0.6	<0.2			0.6							
IM2	Misty	Calm	20:24	7.0	Surface	1.0	0.1	200	24.5	24.5	8.1	8.1	30.2	30.3	99.1	98.5	7.0	6.8	5.7	7.6	4	3	87	90	818152	806169	<0.2	0.9	<0.2	0.7				
						1.0	0.1	203	24.4	24.4	8.1	8.1	30.4	30.3	97.8	98.5	6.9	6.8	5.6	3	87	90	<0.2	0.7			<0.2	0.6						
					3.5	0.0	143	24.3	24.3	8.1	8.1	30.9	30.9	95.3	95.1	6.7	6.7	7.4	3	91	90	<0.2	0.7	<0.2			0.6							
					3.5	0.0	155	24.3	24.3	8.1	8.1	30.9	30.9	94.9	94.9	6.7	6.7	7.4	3	92	90	<0.2	0.6	<0.2			0.7							
					6.0	0.1	122	24.3	24.3	8.1	8.1	30.9	30.9	94.7	94.7	6.7	6.7	9.8	2	92	90	<0.2	0.7	<0.2			0.8							
					6.0	0.1	123	24.3	24.3	8.1	8.1	30.9	30.9	94.6	94.6	6.7	6.7	9.8	3	92	90	<0.2	0.8	<0.2			0.8							
IM3	Misty	Calm	20:18	7.2	Surface	1.0	0.1	165	24.6	24.5	8.1	8.1	30.3	30.5	98.7	98.9	6.9	6.8	4.7	5.5	2	2	89	91	818780	805615	<0.2	0.9	<0.2	0.7				
						1.0	0.1	181	24.4	24.4	8.1	8.1	30.7	30.5	99.1	98.9	7.0	6.8	4.7	2	89	91	<0.2	0.7			<0.2	0.7						
					3.6	0.1	170	24.2	24.2	8.1	8.0	30.9	30.9	93.5	93.3	6.6	6.6	5.6	2	92	91	<0.2	0.8	<0.2			0.7							
					3.6	0.1	179	24.2	24.2	8.0	8.0	30.9	30.9	93.1	93.3	6.5	6.5	5.6	2	92	91	<0.2	0.7	<0.2			0.8							
					6.2	0.1	126	24.3	24.3	8.0	8.0	30.8	30.8	92.6	92.6	6.5	6.5	6.4	3	89	91	<0.2	0.6	<0.2			0.6							
					6.2	0.1	133	24.3	24.3	8.0	8.0	30.8	30.8	92.5	92.6	6.5	6.5	6.3	2	93	91	<0.2	0.7	<0.2			0.7							
IM4	Misty	Calm	20:10	8.4	Surface	1.0	0.1	219	24.3	24.3	8.1	8.1	30.6	30.6	93.9	93.7	6.6	6.6	2.1	2.9	3	2	88	91	819741	804585	<0.2	0.7	<0.2	0.6				
						1.0	0.1	229	24.3	24.3	8.1	8.1	30.7	30.6	93.4	93.7	6.6	6.6	2.1	3	89	91	<0.2	0.6			<0.2	0.6						
					4.2	0.1	187	24.2	24.2	8.1	8.1	30.9	30.9	92.3	92.2	6.5	6.5	2.8	2	91	90	<0.2	0.7	<0.2			0.6							
					4.2	0.1	191	24.2	24.2	8.1	8.1	30.9	30.9	92.0	92.2	6.5	6.5	2.8	2	91	90	<0.2	0.6	<0.2			0.7							
					7.4	0.1	154	24.3	24.3	8.1	8.1	30.9	30.9	92.9	93.1	6.5	6.6	3.8	2	92	90	<0.2	0.7	<0.2			0.7							
					7.4	0.1	162	24.3	24.3	8.1	8.1	30.9	30.9	93.3	93.1	6.6	6.6	3.8	2	92	90	<0.2	0.7	<0.2			0.7							
IM5	Misty	Calm	20:03	8.0	Surface	1.0	0.1	245	24.3	24.3	8.1	8.1	30.3	30.4	97.1	97.3	6.8	6.7	1.4	4.9	2	2	87	90	820743	804880	<0.2	0.7	<0.2	0.8				
						1.0	0.1	252	24.3	24.3	8.1	8.1	30.5	30.4	97.4	97.3	6.9	6.7	1.4	3	87	90	<0.2	0.8			<0.2	0.7						
					4.0	0.1	180	24.3	24.3	8.1	8.1	30.7	30.7	93.6	93.5	6.6	6.6	4.1	2	91	90	<0.2	0.6	<0.2			0.6							
					4.0	0.1	190	24.3	24.3	8.1	8.1	30.8	30.7	93.4	93.5	6.6	6.6	4.2	2	91	90	<0.2	0.6	<0.2			0.6							
					7.0	0.1	11	24.3	24.3	8.1	8.1	30.8	30.8	95.0	95.3	6.7	6.7	9.1	2	92	90	<0.2	0.7	<0.2			0.7							
					7.0	0.1	11	24.3	24.3	8.1	8.1	30.8	30.8	95.6	95.3	6.7	6.7	9.0	2	92	90	<0.2	0.7	<0.2			0.7							
IM6	Misty	Calm	19:57	7.6	Surface	1.0	0.1	198	24.3	24.3	8.1	8.1	30.3	30.4	94.1	94.1	6.6	6.6	1.6	3.5	3	3	87	90	821045	805806	<0.2	0.6	<0.2	0.7				
						1.0	0.1	209	24.3	24.3	8.1	8.1	30.4	30.4	94.0	94.1	6.6	6.6	1.5	2	88	90	<0.2	0.7			<0.2	0.6						
					3.8	0.1	189	24.2	24.2	8.1	8.1	30.6	30.6	93.4	93.4	6.6	6.6	1.7	3	90	90	<0.2	0.6	<0.2			0.6							
					3.8	0.1	201	24.2	24.2	8.1	8.1	30.6	30.6	93.3	93.4	6.6	6.6	1.8	3	90	90	<0.2	0.6	<0.2			0.6							
					6.6	0.1	146	24.3	24.3	8.1	8.1	30.6	30.6	94.4	94.6	6.6	6.6	7.0	3	91	90	<0.2	0.6	<0.2			0.6							
					6.6	0.1	159	24.3</																										

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

Water Quality Monitoring Results on 06 April 21 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	20:17	7.0	Surface	1.0	0.1	111	25.2	25.2	8.0	8.0	29.5	29.5	96.1			96.1	6.7	6.7	2.1	2	87
					Surface	1.0	0.1	111	25.2	25.2	8.0	8.0	29.5	29.5	96.1	96.1	6.7	6.7	2.1	3	87	91			<0.2	1.6					
					Surface	3.5	0.1	98	24.6	24.6	8.0	8.0	30.7	30.7	93.2	93.2	6.5	6.5	2.7	3	90	91			<0.2	1.6					
					Surface	3.5	0.1	99	24.6	24.6	8.0	8.0	30.7	30.7	93.1	93.1	6.5	6.5	2.7	2	91	91			<0.2	1.6					
					Surface	6.0	0.1	71	24.3	24.3	8.0	8.0	31.6	31.6	93.3	93.4	6.5	6.5	3.1	2	94	91			<0.2	1.6					
					Surface	6.0	0.1	76	24.3	24.3	8.0	8.0	31.6	31.6	93.4	93.4	6.5	6.5	3.0	2	95	91			<0.2	1.6					
					Middle	1.0	0.3	88	25.4	25.4	8.0	8.0	29.3	29.3	100.0	100.0	7.0	7.0	1.8	3	87	91			<0.2	1.6					
					Middle	1.0	0.4	95	25.4	24.8	8.0	8.0	29.3	30.4	99.9	94.0	7.0	6.6	1.8	3	87	91			<0.2	1.6					
					Middle	4.1	0.3	94	24.8	24.8	8.0	8.0	30.4	30.4	94.0	94.0	6.6	6.6	2.8	3	91	91			<0.2	1.6					
					Middle	4.1	0.3	95	24.8	24.8	8.0	8.0	30.4	30.4	94.0	94.0	6.6	6.6	2.8	4	90	91			<0.2	1.6					
					Middle	7.1	0.2	97	24.4	24.4	8.0	8.0	31.5	31.5	90.7	90.8	6.3	6.3	3.8	4	94	91			<0.2	1.6					
					Middle	7.1	0.2	98	24.4	24.4	8.0	8.0	31.5	31.5	90.8	90.8	6.3	6.3	3.8	5	95	91			<0.2	1.6					
					Bottom	1.0	0.4	84	25.2	25.2	8.0	8.0	29.6	29.6	97.3	97.3	6.8	6.8	1.8	3	86	91			<0.2	1.6					
					Bottom	1.0	0.4	87	25.2	25.2	8.0	8.0	29.6	29.6	97.2	97.3	6.8	6.8	1.8	4	87	91			<0.2	1.6					
					Bottom	4.0	0.3	77	24.8	24.8	8.0	8.0	30.4	30.4	93.6	93.6	6.5	6.5	2.0	3	91	91			<0.2	1.6					
					Bottom	4.0	0.3	78	24.8	24.8	8.0	8.0	30.4	30.4	93.5	93.5	6.5	6.5	2.0	4	91	91			<0.2	1.6					
					Bottom	6.9	0.2	72	24.4	24.4	8.0	8.0	31.4	31.4	87.8	87.8	6.1	6.1	3.2	2	94	91			<0.2	1.6					
					Bottom	6.9	0.2	74	24.4	24.4	8.0	8.0	31.4	31.4	87.7	87.7	6.1	6.1	3.3	3	95	91			<0.2	1.6					
					Surface	1.0	0.3	90	24.8	24.8	8.0	8.0	30.1	30.1	93.9	93.9	6.6	6.6	2.0	3	87	91			<0.2	1.6					
					Surface	1.0	0.3	97	24.8	24.8	8.0	8.0	30.1	30.1	93.9	93.9	6.6	6.6	2.0	3	87	91			<0.2	1.6					
					Surface	4.4	0.2	87	24.6	24.6	8.0	8.0	31.0	31.0	89.6	89.6	6.3	6.3	2.6	3	91	91			<0.2	1.6					
					Surface	4.4	0.2	91	24.6	24.6	8.0	8.0	31.0	31.0	89.6	89.6	6.3	6.3	2.6	2	91	91			<0.2	1.6					
					Surface	7.8	0.1	68	24.5	24.5	8.0	8.0	31.2	31.2	89.3	89.4	6.2	6.2	2.1	3	94	91			<0.2	1.6					
					Surface	7.8	0.2	71	24.5	24.5	8.0	8.0	31.2	31.2	89.4	89.4	6.2	6.2	2.1	2	95	91			<0.2	1.6					
					Middle	1.0	-	-	25.2	25.2	8.0	8.0	30.2	30.2	94.0	94.0	6.5	6.5	2.3	5	-	-			-	-	-	-			
					Middle	1.0	-	-	25.2	25.2	8.0	8.0	30.2	30.2	94.0	94.0	6.5	6.5	2.3	4	-	-			-	-	-	-			
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-	-	-			-	-	-			
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-			
					Middle	4.4	-	-	24.7	24.7	8.0	8.0	31.0	31.0	90.7	90.7	6.3	6.3	2.0	4	-	-			-	-	-	-			
					Middle	4.4	-	-	24.7	24.7	8.0	8.0	31.0	31.0	90.6	90.6	6.3	6.3	2.0	4	-	-			-	-	-	-			
					Bottom	1.0	0.1	67	25.1	25.1	8.0	8.0	29.8	29.8	99.3	99.3	6.9	6.9	1.7	2	87	89			<0.2	1.2					
					Bottom	1.0	0.1	68	25.1	25.1	8.0	8.0	29.8	29.8	99.3	99.3	6.9	6.9	1.7	2	87	89			<0.2	1.1					
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0	-	-	-			<0.2	1.1				
					Bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	1.1				
					Bottom	3.8	0.1	42	24.7	24.7	8.0	8.0	30.7	30.7	94.7	94.7	6.6	6.6	2.3	3	90	89			<0.2	1.1					
					Bottom	3.8	0.1	42	24.7	24.7	8.0	8.0	30.7	30.7	94.7	94.7	6.6	6.6	2.3	2	90	89			<0.2	1.1					
					Surface	1.0	0.2	162	25.3	25.3	8.0	8.0	29.0	29.0	98.2	98.2	6.9	6.9	1.6	3	-	-			-	-	-	-			
					Surface	1.0	0.2	177	25.3	25.3	8.0	8.0	29.0	29.0	98.2	98.2	6.9	6.9	1.6	4	-	-	-	-			-	-	-		
					Surface	4.4	0.3	144	24.5	24.5	8.0	8.0	30.7	30.7	91.8	91.9	6.4	6.4	2.7	2	-	-	-	-			-	-	-		
					Surface	4.4	0.3	149	24.5	24.5	8.0	8.0	30.7	30.7	91.9	91.9	6.4	6.4	2.7	3	-	-	-	-			-	-	-		
					Surface	7.8	0.1	183	24.3	24.3	8.0	8.0	32.1	32.1	94.0	94.0	6.6	6.6	4.1	2	-	-	-	-			-	-	-		
					Surface	7.8	0.1	192	24.3	24.3	8.0	8.0	32.1	32.1	93.9	94.0	6.6	6.6	4.1	3	-	-	-	-			-	-	-		
					Surface	1.0	0.2	78	24.3	24.3	8.1	8.1	30.6	30.6	95.3	95.2	6.7	6.7	2.0	3	-	-	-	-			-	-	-		
					Surface	1.0	0.2	79	24.3	24.3	8.1	8.1	30.6	30.6	95.1	95.2	6.7	6.7	1.9	2	-	-	-	-			-	-	-		
					Surface	4.5	0.2	84	24.2	24.2	8.1	8.1	30.7	30.7	94.2	94.2	6.6	6.6	2.1	4	-	-	-	-			-	-	-		
					Surface	4.5	0.2	86	24.2	24.2	8.1	8.1	30.7	30.7	94.2	94.2	6.6	6.6	2.1	3	-	-	-	-			-	-	-		
					Surface	8.0	0.1	22	24.3	24.3	8.1	8.1	30.7	30.7	95.3	95.5	6.7	6.7	2.4	3	-	-	-	-			-	-	-		
					Surface	8.0	0.1	24	24.3	24.3	8.1	8.1	30.7	30.7	95.6	95.6	6.7	6.7	2.4	4	-	-	-	-			-	-	-		
					Surface	1.0	0.1	342	24.5	24.5	8.0	8.0	29.9	29.9	92.3	92.3	6.5	6.5	2.6	3	-	-	-	-			-	-	-		
					Surface	1.0	0.1	349	24.5	24.5	8.0	8.0	30.0	30.0	92.2	92.3	6.5	6.5	2.6	3	-	-	-	-			-	-	-		
					Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.3	-	-	-			-	-	-			
					Surface	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-				
					Surface	2.6	0.1	356																							

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

Water Quality Monitoring Results on 06 April 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)												
						Speed (m/s)	Direction	Value	Average	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	Value	DA	Value	DA	Value	DA							
C1	Misty	Calm	09:39	8.4	Surface	1.0	2.2	233	24.2	24.2	8.1	8.1	30.1	30.2	98.4	98.2	6.9	6.8	1.3	5	86	88	<0.2	0.7	88	815643	804231	<0.2	0.6											
						1.0	2.4	249	24.2	8.1	8.1	30.3	31.4	98.0	6.9	1.3	6	86	<0.2	0.6																				
						4.2	2.2	233	24.1	8.1	8.1	31.4	31.4	95.6	6.7	7.2	5	89	<0.2	0.6																				
					Middle	4.2	2.3	247	24.1	8.1	8.0	31.4	31.5	95.3	6.7	7.2	5	89	<0.2	0.6																				
						7.4	2.2	230	24.1	8.0	8.0	31.5	31.5	94.4	6.6	8.1	4	89	<0.2	0.7																				
						7.4	2.4	240	24.1	8.0	8.0	31.5	31.5	94.4	6.6	8.1	5	90	<0.2	0.6																				
					C2	Sunny	Moderate	10:27	10.9	Surface	1.0	0.1	223	24.7	24.7	8.0	8.0	30.5	30.5	91.0	91.1	6.4	6.3	5.2				4	85	85	<0.2	1.4	89	825685	806962	<0.2	1.3			
											1.0	0.1	226	24.7	8.0	8.0	30.5	30.8	91.1	6.4	5.2	5	85	<0.2				1.5												
											5.5	0.1	217	24.6	24.6	8.0	8.0	30.8	30.8	89.4	6.2	5.1	4	89				<0.2	1.3											
Middle	5.5	0.1	232	24.6						8.0	8.0	30.8	30.8	89.4	6.2	5.1	5	89	<0.2	1.6																				
	9.9	0.2	45	24.4						24.4	8.0	8.0	31.9	31.9	86.2	6.0	7.4	3	93	<0.2	1.4																			
	9.9	0.2	46	24.4						8.0	8.0	31.9	31.9	86.3	6.0	7.4	4	93	<0.2	1.3																				
C3	Sunny	Moderate	07:57	11.8						Surface	1.0	0.1	146	24.2	24.2	8.0	8.0	32.0	32.0	92.7	92.7	6.5	6.4	3.7	4	85	85	<0.2	1.5	90	822097	817799				<0.2	1.1			
											1.0	0.2	151	24.2	24.0	8.0	8.0	33.1	33.0	89.9	6.3	3.9	4	89	<0.2	1.1														
											5.9	0.0	354	24.0	24.0	8.0	8.0	33.0	33.0	89.6	6.2	3.9	5	90	<0.2	1.1														
					Middle	5.9	0.0	326	24.0	24.0	8.0	8.0	33.2	33.2	88.9	6.2	4.2	3	94	<0.2	1.2																			
						10.8	0.0	68	24.0	24.0	8.0	8.0	33.2	33.2	88.6	6.2	4.2	2	93	<0.2	1.2																			
						10.8	0.0	72	24.0	24.0	8.0	8.0	33.2	33.2	88.6	6.2	4.2	3	93	<0.2	1.2																			
					IM1	Misty	Calm	09:59	5.0	Surface	1.0	0.1	221	24.2	24.2	8.1	8.0	30.5	30.5	92.2	92.0	6.5	6.5	3.1	5	85	85	<0.2	0.7				86	817956	807154	<0.2	0.7			
											1.0	0.1	237	24.2	24.2	8.0	8.0	30.5	30.5	91.7	6.5	3.1	4	85	<0.2	0.7														
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-	-
Middle	4.0	0.1	147	24.2						24.2	8.0	8.0	30.6	30.6	90.4	90.5	6.4	6.4	5.3	4	89	86	<0.2	0.7	89	818143	806150	<0.2	0.8											
	4.0	0.1	158	24.1						24.1	8.0	8.0	30.6	30.6	90.5	6.4	5.2	3	86	<0.2	0.8																			
	1.0	2.0	205	24.2						24.2	8.1	8.1	30.8	30.8	93.3	93.1	6.6	6.5	4.8	4	86	85	<0.2	0.6																
Bottom	1.0	2.0	218	24.2						24.2	8.1	8.0	30.8	30.8	92.9	92.3	6.5	6.5	4.7	3	85	90	<0.2	0.7				89	818143	806150	<0.2	0.7								
	3.5	2.0	208	24.1						24.1	8.0	8.0	30.8	30.8	92.4	92.2	6.5	6.5	5.0	2	90	91	<0.2	0.7																
	3.5	2.1	218	24.1						24.1	8.0	8.0	30.8	30.8	92.2	90.5	6.4	6.4	5.8	2	91	91	<0.2	0.7																
IM2	Misty	Calm	10:06	7.0	Surface	6.0	1.9	203	24.1	24.1	8.0	8.0	30.8	30.8	90.7	90.5	6.4	6.4	5.8	2	91	91	<0.2	0.7							89	818143	806150	<0.2	0.7					
						6.0	2.0	204	24.1	24.1	8.0	8.0	30.7	30.8	90.2	90.5	6.4	6.4	5.9	2	91	91	<0.2	0.7																
						1.0	1.9	93	24.3	24.3	8.1	8.1	30.5	30.5	97.7	97.6	6.9	6.7	2.2	2	87	90	<0.2	0.8																
					Middle	1.0	2.0	94	24.3	24.3	8.1	8.0	30.9	30.9	91.9	91.8	6.5	6.5	4.5	2	90	91	<0.2	0.8	89	818776	805587							<0.2	0.8					
						3.6	1.5	84	24.2	24.2	8.0	8.0	30.9	30.9	91.9	91.7	6.5	6.5	4.4	3	91	91	<0.2	0.7																
						3.6	1.6	90	24.2	24.2	8.0	8.0	30.8	30.7	89.5	89.6	6.3	6.3	6.5	5	91	87	<0.2	0.9																
					Bottom	6.2	1.6	93	24.2	24.2	8.0	8.0	30.8	30.7	89.5	89.6	6.3	6.3	6.5	5	91	87	<0.2	0.9				89	818776	805587				<0.2	0.8					
						6.2	1.8	96	24.1	24.1	8.0	8.0	30.6	30.6	89.7	89.6	6.3	6.3	6.5	4	87	86	<0.2	0.9																
						1.0	1.9	122	24.3	24.3	8.1	8.1	30.0	30.0	97.6	97.5	6.9	6.9	1.4	4	88	90	<0.2	0.8																
IM3	Misty	Calm	10:12	7.2	Surface	1.0	2.0	94	24.3	24.3	8.1	8.1	30.1	30.0	97.4	97.5	6.9	6.9	1.4	4	88	90	<0.2	0.8							89	818776	805587	<0.2	0.8					
						3.6	1.5	84	24.2	24.2	8.0	8.0	30.9	30.9	91.9	91.8	6.5	6.5	4.5	2	90	91	<0.2	0.7																
						3.6	1.6	90	24.2	24.2	8.0	8.0	30.9	30.9	91.7	91.8	6.5	6.5	4.4	3	91	91	<0.2	0.8																
					Middle	6.2	1.6	93	24.2	24.2	8.0	8.0	30.8	30.7	89.5	89.6	6.3	6.3	6.5	5	91	87	<0.2	0.9	89	818776	805587							<0.2	0.8					
						6.2	1.8	96	24.1	24.1	8.0	8.0	30.6	30.6	89.7	89.6	6.3	6.3	6.5	4	87	86	<0.2	0.9																
						1.0	1.9	122	24.3	24.3	8.1	8.1	30.0	30.0	97.6	97.5	6.9	6.9	1.4	4	88	90	<0.2	0.8																
					IM4	Misty	Calm	10:20	8.4	Surface	1.0	2.0	126	24.3	24.3	8.1	8.1	30.1	30.0	97.4	97.5	6.9	6.9	1.4				4	88	90				<0.2	0.8	90	819715	804617	<0.2	0.9
											4.2	1.7	130	24.2	24.2	8.0	8.0	30.8	30.8	95.9	95.3	6.7	6.7	3.6				3	91	91				<0.2	0.8					
											4.2	1.8	138	24.2	24.2	8.0	8.0	30.8	30.8	94.7	95.3	6.7	6.7	3.7				3	91	91				<0.2	0.8					
Middle	7.4	1.7	118	24.2						24.2	8.0	8.0	30.9	30.9	90.4	90.6	6.4	6.4	4.3	2	92	86	<0.2	0.8				88	820738	804848	<0.2	0.8								
	7.4	1.8	120	24.2						24.2	8.0	8.0	30.9	30.9	90.7	90.6	6.4	6.4	4.3	2	92	86	<0.2	0.8																
	1.0	1.7	12	24.4						24.4	8.1	8.1	29.6	29.8	95.9	95.9	6.8	6.8	1.4	4	86	86	<0.2	0.7																
IM5	Misty	Calm	10:26	7.6						Surface	1.0	1.9	12	24.3	24.3	8.1	8.1	30.1	29.8	95.8	95.8	6.8	6.8	1.4	5	86	86				<0.2	0.7	88	820738	804848				<0.2	0.7
											3.8	1.9	15	24.2	24.2	8.1	8.1	30.7	30.7	94.7	94.5	6.7	6.7	1.9	5	90	90				<0.2	0.9								
											3.8	1.9	15	24.2	24.2	8.1	8.1	30.7	30.7	94.3	94.5	6.6	6.6	2.0	4	90	90				<0.2	0.8								
					Middle	6.6	2.1	8	24.2	24.2	8.0	8.0	30.8	30.8	92.6	92.7	6.5	6.5	3.6	3	91	87	<0.2	0.8	89	821069	805827				<0.2	0.8								
						6.6	2.2	8	24.2	24.2	8.0	8.0	30.8	30.8	92.8	92.7	6.5	6.5	3.5	4	87	86	<0.2	0.8																
						1.0	1.6	1	24.5	24.5	8.0	8.0	29.1	29.4	94.0	93.6	6.6	6.6	1.1	2	86	89	<0.2	0.7																
					IM6	Misty	Calm	10:30	7.4	Surface	1.0	1.6	1	24.4	24.4	8.0	8.0	29.7	29.7	93.1	91.2	6.4	6.5	1.1				3	89	89	<0.2	0.7				89	821069	805827	<0.2	0.7
											3.7	1.4	6	24.2	24.2	8.0	8.0	30.6	30.6	91.0	91.2	6.4	6.4	1.7				3	89	89	<0.2	0.9								
											3.7	1.5	6	24.2	24.2	8.0	8.0	30.6	30.6	91.0	91.2	6.4	6.4	1.7				2	89	91	<0.2	1.0								
Middle	6.4	1.4	10	24.2						24.2	8.0	8.0	30.6	30.6	91.2	91.3	6.4	6.4	3.3	4	91	91	<0.2	0.7				89	821343	806822	<0.2	0.7								
	6.4	1.5	10	24.2						24.2	8.0	8.0	30.6	30.6	91.3	91.3	6.4	6.4	3.4	5	91	88	<0.2	0.6																
	1.0	1.2	24	24.4						24.4	8.1	8.1	29.3	29.5	94.1	93.7	6.7	6.6	1.8	3	88	88	<0.2	0.7																
IM7	Misty	Calm	10:34	8.2						Surface	1.0	1.3	26	24.3	24.3	8.1	8.1	29.7	29.5	93.3	91.7	6.6	6.6	1.9	4	88	89				<0.2	0.7	89	821343	806822				<0.2	0.7
											4.1	1.4	28	24.2	24.2	8.1	8.1	30.4	30.4	91.8	91.7	6.5	6.5	4.2	5	89	90				<0.2	0.6								
											4.1	1.5	29	24.2	24.2	8.1	8.1	30.5	30.4	91.6	91.7	6.5	6.5	4.3	5	90	91				<0.2	0.7								

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

Water Quality Monitoring Results on 06 April 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)									
						Speed (m/s)	Direction	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	Value	DA								
IM9	Sunny	Moderate	09:48	7.8	Surface	1.0	0.2	103	24.8	24.8	8.0	8.0	29.3	29.3	95.1	95.1	6.7	6.6	4.8	6.1	3	3	85	90	822108	808822	<0.2	1.7	<0.2	1.7							
						1.0	0.2	110	24.8	8.0	8.0	29.3	29.3	95.1	95.1	6.7	6.6	4.8	6.1	3	3	86	90	822108	808822	<0.2	1.8	<0.2	1.8								
						3.9	0.3	85	24.5	24.5	8.0	8.0	30.5	30.5	92.8	92.8	6.5	6.4	5.9	6.1	3	3	89	90	822108	808822	<0.2	1.7	<0.2	1.7							
					Middle	3.9	0.3	91	24.5	24.5	8.0	8.0	30.5	30.5	92.7	92.8	6.5	6.5	5.9	6.1	3	3	90	90	822108	808822	<0.2	1.4	<0.2	1.4							
						6.8	0.3	73	24.3	24.3	8.0	8.0	31.7	31.7	91.6	91.6	6.4	6.4	7.6	6.1	3	3	94	90	822108	808822	<0.2	1.6	<0.2	1.6							
						6.8	0.3	75	24.3	24.3	8.0	8.0	31.7	31.7	91.6	91.6	6.4	6.4	7.6	6.1	2	3	93	90	822108	808822	<0.2	1.6	<0.2	1.6							
					IM10	Sunny	Moderate	09:38	7.1	Surface	1.0	0.4	111	24.8	24.8	8.0	8.0	29.5	29.5	95.3	95.3	6.7	6.5	4.9	6.2	4	3	85	90	822379	809801	<0.2	1.6	<0.2	1.6		
											1.0	0.4	113	24.8	24.8	8.0	8.0	29.5	29.5	95.3	95.3	6.7	6.5	4.9	6.2	3	3	85	90	822379	809801	<0.2	1.6	<0.2	1.6		
											3.6	0.4	106	24.4	24.4	8.0	8.0	31.1	31.1	89.1	89.1	6.2	6.2	7.1	6.2	4	3	90	90	822379	809801	<0.2	1.7	<0.2	1.7		
Middle	3.6	0.4	108	24.4						24.4	8.0	8.0	31.1	31.1	89.0	89.0	6.2	6.2	7.1	6.2	3	3	90	90	822379	809801	<0.2	1.7	<0.2	1.7							
	6.1	0.2	106	24.4						24.4	7.9	7.9	31.9	31.9	85.0	85.0	5.9	5.9	6.6	6.2	2	3	93	90	822379	809801	<0.2	1.4	<0.2	1.4							
	6.1	0.2	108	24.4						24.4	7.9	7.9	31.9	31.9	85.0	85.0	5.9	5.9	6.6	6.2	3	3	94	90	822379	809801	<0.2	1.5	<0.2	1.5							
IM11	Sunny	Moderate	09:24	7.9						Surface	1.0	0.4	106	24.9	24.9	8.0	8.0	29.5	29.5	95.5	95.6	6.7	6.6	4.6	6.4	3	3	85	90	822055	811453	<0.2	1.7	<0.2	1.7		
											1.0	0.4	111	24.9	24.9	8.0	8.0	29.5	29.5	95.6	95.6	6.7	6.6	4.6	6.4	3	3	85	90	822055	811453	<0.2	1.6	<0.2	1.6		
											4.0	0.2	98	24.5	24.5	8.0	8.0	30.9	30.9	92.3	92.3	6.5	6.5	4.6	6.4	3	3	90	90	822055	811453	<0.2	1.6	<0.2	1.6		
					Middle	4.0	0.2	102	24.5	24.5	8.0	8.0	30.9	30.9	92.3	92.3	6.5	6.5	4.6	6.4	4	3	90	90	822055	811453	<0.2	1.6	<0.2	1.6							
						6.9	0.2	122	24.4	24.4	8.0	8.0	31.3	31.3	91.5	91.5	6.4	6.4	4.8	6.4	3	3	94	90	822055	811453	<0.2	1.5	<0.2	1.5							
						6.9	0.2	128	24.4	24.4	8.0	8.0	31.3	31.3	91.5	91.5	6.4	6.4	4.8	6.4	4	3	94	90	822055	811453	<0.2	1.4	<0.2	1.4							
					IM12	Sunny	Moderate	09:15	8.9	Surface	1.0	0.4	124	24.8	24.8	8.0	8.0	29.8	29.8	94.3	94.3	6.6	6.5	4.6	6.7	4	4	85	90	821459	812033	<0.2	1.4	<0.2	1.4		
											1.0	0.4	130	24.8	24.8	8.0	8.0	29.8	29.8	94.3	94.3	6.6	6.6	4.6	6.7	5	4	89	90	821459	812033	<0.2	1.4	<0.2	1.4		
											4.5	0.2	112	24.6	24.6	8.0	8.0	31.0	31.0	92.0	92.1	6.4	6.4	4.6	6.4	3	4	90	90	821459	812033	<0.2	1.5	<0.2	1.5		
Middle	4.5	0.2	122	24.6						24.6	8.0	8.0	31.0	31.0	92.1	92.1	6.4	6.4	4.6	6.4	4	4	89	90	821459	812033	<0.2	1.4	<0.2	1.4							
	7.9	0.2	128	24.5						24.5	8.0	8.0	31.3	31.3	90.5	90.6	6.3	6.3	4.8	6.3	4	4	94	90	821459	812033	<0.2	1.3	<0.2	1.3							
	7.9	0.2	128	24.5						24.5	8.0	8.0	31.3	31.3	90.6	90.6	6.3	6.3	4.8	6.3	3	3	93	90	821459	812033	<0.2	1.4	<0.2	1.4							
SR1A	Sunny	Moderate	08:41	5.5						Surface	1.0	-	-	24.5	24.5	7.9	7.9	30.8	30.8	85.7	85.8	6.0	6.0	4.5	6.0	4	-	-	-	819981	812655	-	-	-	-		
											1.0	-	-	24.5	24.5	7.9	7.9	30.8	30.8	85.8	85.8	6.0	6.0	4.5	6.0	3	-	-	-	819981	812655	-	-	-	-		
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819981	812655	-	-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819981	812655	-	-	-	-					
						4.5	-	-	24.5	24.5	8.0	8.0	31.4	31.4	86.4	86.4	6.0	6.0	5.7	6.0	4	-	-	-	-	-	819981	812655	-	-	-	-					
						4.5	-	-	24.5	24.5	8.0	8.0	31.4	31.4	86.4	86.4	6.0	6.0	5.7	6.0	5	-	-	-	-	-	819981	812655	-	-	-	-					
					SR2	Sunny	Moderate	08:21	4.4	Surface	1.0	0.1	4	24.4	24.4	8.0	8.0	31.3	31.3	92.1	92.1	6.4	6.4	4.3	6.4	5	4	85	85	821476	814178	<0.2	1.2	<0.2	1.2		
											1.0	0.2	4	24.4	24.4	8.0	8.0	31.3	31.3	92.1	92.1	6.4	6.4	4.3	6.4	4	4	85	85	821476	814178	<0.2	1.3	<0.2	1.3		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821476	814178	<0.2	1.3	<0.2	1.3
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821476	814178	<0.2	1.3	<0.2	1.3					
	3.4	0.1	5	24.4						24.4	8.0	8.0	31.7	31.7	89.4	89.4	6.2	6.2	4.6	6.2	3	4	90	89	821476	814178	<0.2	1.3	<0.2	1.3							
	3.4	0.1	5	24.4						24.4	8.0	8.0	31.7	31.7	89.4	89.4	6.2	6.2	4.6	6.2	4	4	89	89	821476	814178	<0.2	1.3	<0.2	1.3							
SR3	Sunny	Moderate	10:03	8.7						Surface	1.0	0.1	114	24.9	24.9	8.0	8.0	29.7	29.7	93.5	93.5	6.5	6.4	5.1	6.4	3	-	-	-	822145	807547	-	-	-	-		
											1.0	0.1	114	24.9	24.9	8.0	8.0	29.7	29.7	93.4	93.5	6.5	6.5	5.1	6.4	3	-	-	-	-	-	822145	807547	-	-	-	-
											4.4	0.1	184	24.5	24.5	8.0	8.0	31.0	31.0	90.6	90.6	6.3	6.3	6.3	6.3	3	3	-	-	-	-	822145	807547	-	-	-	-
					Middle	4.4	0.1	188	24.5	24.5	8.0	8.0	31.0	31.0	90.5	90.6	6.3	6.3	6.3	6.3	3	3	-	-	-	-	822145	807547	-	-	-	-					
						7.7	0.1	64	24.2	24.2	8.0	8.0	32.2	32.2	92.6	92.6	6.5	6.5	8.6	6.5	4	-	-	-	-	-	822145	807547	-	-	-	-					
						7.7	0.1	64	24.2	24.2	8.0	8.0	32.2	32.2	92.6	92.6	6.5	6.5	8.7	6.5	4	-	-	-	-	-	822145	807547	-	-	-	-					
					SR4A	Misty	Calm	09:17	9.4	Surface	1.0	2.1	225	24.2	24.2	8.1	8.1	30.4	30.4	94.5	94.5	6.7	6.6	1.9	6.6	3	-	-	-	817211	807814	-	-	-	-		
											1.0	2.2	234	24.2	24.2	8.1	8.1	30.4	30.4	94.4	94.5	6.7	6.7	1.8	6.6	3	-	-	-	-	-	817211	807814	-	-	-	-
											4.7	2.1	229	24.1	24.1	8.1	8.1	30.5	30.5	92.9	92.9	6.6	6.6	2.6	6.6	3	-	-	-	-	-	817211	807814	-	-	-	-
Middle	4.7	2.2	251	24.1						24.1	8.1	8.1	30.6	30.6	92.8	92.9	6.5	6.5	2.7	6.5	2	3	-	-	-	-	817211	807814	-	-	-	-					
	8.4	2.2	227	24.1						24.1	8.0	8.0	30.6	30.6	92.5	92.5	6.5	6.5	4.1	6.5	3	-	-	-	-	-	817211	807814	-	-	-	-					
	8.4	2.2	248	24.1						24.1	8.0	8.0	30.6	30.6	92.5	92.5	6.5	6.5	4.0	6.5	2	-	-	-	-	-	817211	807814	-	-	-	-					
SR5A	Misty	Calm	08:58	3.8						Surface	1.0	0.1	336	24.4	24.4	8.0	8.0	29.5	29.5	86.1	86.1	6.1	6.1	3.2	6.1	4	-	-	-	816584	810673	-	-	-	-		
											1.0	0.1	350	24.4	24.4	8.0	8.0	29.5	29.5	86.1	86.1	6.1	6.1	3.2	6.1	3	-	-	-	-	-	816584	810673	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816584	810673	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816584	810673	-	-	-	-					
						2.8	0.1	331	24.3	24.3	8.0	8.0	29.6	29.6	87.0	87.1	6.2	6.2	5.1	6.2	4	-	-	-	-	-	816584	810673	-	-	-	-					
						2.8	0.1</																														

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

Water Quality Monitoring Results on 08 April 21 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	Misty		Calm	11:03	9.0	Surface	1.0	0.1	248	24.4	24.4	8.1	8.1	29.6	29.6	105.7	105.6	7.5			7.2	1.8	2.4	3	4	85
					Surface	1.0	0.1	260	24.4	24.4	8.1	8.1	29.7	29.6	105.5	105.6	7.4	7.2	1.7	2.4	4	4	85	87			<0.2	0.8	<0.2	0.8		
					Middle	4.5	0.1	169	24.3	24.3	8.0	8.0	30.5	30.5	98.6	98.4	6.9	6.8	2.3	2.4	4	4	86	87			<0.2	0.6	<0.2	0.6		
					Middle	4.5	0.1	178	24.3	24.3	8.0	8.0	30.6	30.5	98.1	98.4	6.9	6.8	2.2	2.4	5	4	87	89			<0.2	1.0	<0.2	1.0		
					Bottom	8.0	0.1	203	24.2	24.2	8.0	8.0	30.9	30.9	96.9	96.9	6.8	6.8	3.5	3.1	4	5	89	89			<0.2	0.8	<0.2	0.7		
					Bottom	8.0	0.1	203	24.2	24.2	8.0	8.0	30.9	30.9	96.9	96.9	6.8	6.8	3.1	3.1	5	5	89	89			<0.2	0.8	<0.2	0.7		
C2	Cloudy	Moderate	13:03	11.2	Surface	1.0	0.6	175	24.7	24.7	8.1	8.0	27.6	27.7	101.7	101.6	7.2	7.0	3.4	4.3	3	3	83	86	825688	806955	<0.2	1.6	<0.2	1.6		
					Surface	1.0	0.6	190	24.7	24.7	8.0	8.0	27.7	27.7	101.5	101.6	7.2	7.0	3.5	3.5	3	3	83	87			<0.2	1.6	<0.2	1.6		
					Middle	5.6	0.3	164	24.4	24.4	8.0	8.0	29.8	29.8	96.7	96.7	6.8	6.8	4.3	4.3	3	3	87	86			<0.2	1.6	<0.2	1.6		
					Middle	5.6	0.3	168	24.4	24.4	8.0	8.0	29.8	29.8	96.6	96.6	6.8	6.8	4.3	4.3	3	3	86	88			<0.2	1.6	<0.2	1.6		
					Bottom	10.2	0.2	111	24.3	24.3	8.0	8.0	30.6	30.6	91.8	91.9	6.5	6.5	5.1	5.1	3	3	88	88			<0.2	1.5	<0.2	1.5		
					Bottom	10.2	0.2	119	24.3	24.3	8.0	8.0	30.6	30.6	91.9	91.9	6.5	6.5	5.1	5.1	3	3	88	88			<0.2	1.6	<0.2	1.6		
C3	Cloudy	Moderate	10:34	12.7	Surface	1.0	0.2	17	24.1	24.1	8.1	8.1	31.2	31.2	98.8	98.8	7.0	7.0	1.7	1.7	<2	<2	84	87	822108	817806	<0.2	1.0	<0.2	0.9		
					Surface	1.0	0.2	17	24.1	24.1	8.1	8.1	31.2	31.2	98.8	98.8	7.0	7.0	1.7	1.7	<2	<2	84	87			<0.2	1.0	<0.2	0.9		
					Middle	6.4	0.2	64	23.9	23.9	8.1	8.1	31.9	31.9	93.5	93.5	6.6	6.6	2.9	2.8	2	2	87	87			<0.2	1.2	<0.2	1.3		
					Middle	6.4	0.2	66	23.9	23.9	8.1	8.1	31.9	31.9	93.5	93.5	6.6	6.6	2.8	2.8	2	2	87	89			<0.2	1.3	<0.2	1.3		
					Bottom	11.7	0.2	75	23.9	23.9	8.1	8.1	32.0	32.0	93.5	93.5	6.6	6.6	2.7	2.7	3	3	89	89			<0.2	1.3	<0.2	1.3		
					Bottom	11.7	0.2	76	23.9	23.9	8.1	8.1	32.0	32.0	93.5	93.5	6.6	6.6	2.7	2.7	2	2	89	89			<0.2	1.3	<0.2	1.3		
IM1	Misty	Calm	11:25	5.0	Surface	1.0	0.1	175	24.5	24.5	8.0	8.0	29.9	29.9	96.3	96.1	6.8	6.7	6.0	6.0	3	4	86	87	817947	807133	<0.2	0.8	<0.2	0.6		
					Surface	1.0	0.1	186	24.5	24.5	8.0	8.0	29.9	29.9	95.9	95.9	6.7	6.7	6.0	6.0	4	4	87	89			<0.2	0.6	<0.2	0.6		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817947	807133	<0.2	-	<0.2	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817947	807133	<0.2	-	<0.2	-	
					Bottom	4.0	0.1	155	24.4	24.4	8.0	8.0	30.0	29.9	95.0	95.0	6.7	6.7	7.1	7.1	4	5	89	89			<0.2	0.6	<0.2	0.6		
					Bottom	4.0	0.1	168	24.4	24.4	8.0	8.0	29.9	29.9	95.0	95.0	6.7	6.7	7.1	7.1	5	5	89	89			<0.2	0.6	<0.2	0.6		
IM2	Misty	Calm	11:32	6.8	Surface	1.0	0.1	173	24.6	24.6	8.0	8.0	29.9	29.9	101.6	101.3	7.1	7.1	2.4	2.4	6	6	85	85	818156	806146	<0.2	0.6	<0.2	0.7		
					Surface	1.0	0.1	189	24.6	24.6	8.0	8.0	30.0	29.9	101.0	101.3	7.1	7.1	2.4	2.4	6	6	85	88			<0.2	0.6	<0.2	0.6		
					Middle	3.4	0.1	117	24.5	24.5	8.0	8.0	30.1	30.1	99.2	99.1	7.0	7.0	3.4	3.4	5	5	88	88			<0.2	0.6	<0.2	0.6		
					Middle	3.4	0.1	126	24.5	24.5	8.0	8.0	30.1	30.1	98.9	99.1	7.0	7.0	3.4	3.4	5	5	88	90			<0.2	0.6	<0.2	0.7		
					Bottom	5.8	0.1	107	24.5	24.5	8.0	8.0	30.2	30.2	97.9	98.0	6.9	6.9	4.5	4.5	4	4	90	90			<0.2	0.7	<0.2	0.6		
					Bottom	5.8	0.1	117	24.5	24.5	8.0	8.0	30.2	30.2	98.0	98.0	6.9	6.9	4.3	4.3	3	3	90	90			<0.2	0.6	<0.2	0.6		
IM3	Misty	Calm	11:39	7.0	Surface	1.0	0.1	189	24.6	24.6	8.1	8.1	29.9	29.9	100.3	100.2	7.0	7.0	2.0	2.0	5	4	86	86	818779	805601	<0.2	0.5	<0.2	0.6		
					Surface	1.0	0.2	205	24.6	24.6	8.1	8.1	29.9	29.9	100.1	100.2	7.0	7.0	2.0	2.0	4	4	86	88			<0.2	0.6	<0.2	0.6		
					Middle	3.5	0.1	163	24.5	24.5	8.0	8.0	30.0	30.0	98.5	98.4	6.9	6.9	2.3	2.3	4	5	88	89			<0.2	0.6	<0.2	0.7		
					Middle	3.5	0.1	178	24.5	24.5	8.0	8.0	30.1	30.0	98.2	98.4	6.9	6.9	2.2	2.2	5	5	89	90			<0.2	0.6	<0.2	0.7		
					Bottom	6.0	0.1	144	24.5	24.5	8.0	8.0	30.2	30.2	97.7	97.7	6.9	6.9	3.0	3.0	6	6	90	91			<0.2	0.7	<0.2	0.6		
					Bottom	6.0	0.1	145	24.5	24.5	8.0	8.0	30.2	30.2	97.7	97.7	6.9	6.9	3.0	3.0	5	5	90	91			<0.2	0.6	<0.2	0.7		
IM4	Misty	Moderate	11:48	8.2	Surface	1.0	0.3	187	24.6	24.6	8.0	8.0	29.3	29.3	98.0	98.0	6.9	6.9	2.9	2.9	5	6	85	85	819733	804593	<0.2	0.6	<0.2	0.6		
					Surface	1.0	0.3	190	24.6	24.6	8.0	8.0	29.3	29.3	97.9	98.0	6.9	6.9	2.9	2.9	6	6	85	88			<0.2	0.6	<0.2	0.6		
					Middle	4.1	0.3	191	24.5	24.5	8.0	8.0	29.6	29.7	97.0	97.0	6.8	6.8	4.5	4.5	5	5	88	88			<0.2	0.6	<0.2	0.6		
					Middle	4.1	0.3	204	24.5	24.5	8.0	8.0	29.7	29.7	96.9	97.0	6.8	6.8	4.5	4.5	4	4	88	91			<0.2	0.6	<0.2	0.7		
					Bottom	7.2	0.2	172	24.5	24.5	8.0	8.0	30.0	30.0	96.1	96.1	6.8	6.8	4.0	3.9	4	4	91	91			<0.2	0.7	<0.2	0.6		
					Bottom	7.2	0.2	172	24.5	24.5	8.0	8.0	30.0	30.0	96.1	96.1	6.8	6.8	3.9	3.9	4	4	91	91			<0.2	0.6	<0.2	0.6		
IM5	Misty	Moderate	11:58	7.6	Surface	1.0	0.3	204	24.6	24.6	8.0	8.0	29.0	29.0	99.9	99.9	7.1	7.1	1.5	1.4	3	2	85	86	820723	804858	<0.2	0.6	<0.2	0.8		
					Surface	1.0	0.3	212	24.6	24.6	8.0	8.0	29.0	29.0	99.8	99.9	7.0	7.0	1.4	1.4	2	2	86	89			<0.2	0.6	<0.2	0.7		
					Middle	3.8	0.4	180	24.5	24.5	8.0	8.0	30.0	30.0	97.5	97.5	6.															

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 April 21 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	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Moderate	12:26	6.7	Surface	1.0	0.1	102	24.6	24.6	8.1	8.1	28.6	28.7	102.1	102.0	7.2	7.1	3.1	4	84	86	86	86	822076	808794	<0.2	1.3	<0.2	1.3						
						1.0	0.1	108	24.6	8.1	8.1	28.7	28.7	101.9	102.0	7.2	7.1	3.3	4	84	86	86	86	822076	808794	<0.2	1.3	<0.2	1.3							
						3.4	0.1	99	24.5	8.1	8.1	29.6	29.6	99.7	99.7	7.0	7.0	4.2	3	86	86	86	86	822076	808794	<0.2	1.2	<0.2	1.2							
					Middle	3.4	0.1	107	24.5	8.1	8.1	29.6	29.6	99.7	99.7	7.0	7.0	4.2	4	86	86	86	86	822076	808794	<0.2	1.4	<0.2	1.4							
						5.7	0.1	76	24.4	8.1	8.1	30.3	30.3	100.1	100.1	7.0	7.0	5.3	3	88	88	88	88	822076	808794	<0.2	1.2	<0.2	1.2							
						5.7	0.1	82	24.4	8.1	8.1	30.3	30.3	100.1	100.1	7.0	7.0	5.4	4	88	88	88	88	822076	808794	<0.2	1.3	<0.2	1.3							
					IM10	Cloudy	Moderate	12:19	7.0	Surface	1.0	0.3	85	24.6	24.6	8.1	8.1	28.5	28.5	102.9	102.9	7.3	7.1	2.8	5	84	85	86	86	822372	809794	<0.2	1.4	<0.2	1.4	
											1.0	0.4	94	24.6	8.1	8.1	28.5	28.5	102.9	102.9	7.3	7.1	3.0	4	85	86	86	86	822372	809794	<0.2	1.4	<0.2	1.4		
											3.5	0.2	90	24.5	8.1	8.1	29.7	29.7	97.7	97.7	6.9	6.9	3.8	4	86	86	86	86	822372	809794	<0.2	1.3	<0.2	1.3		
Middle	3.5	0.3	93	24.5						8.1	8.1	29.7	29.7	97.7	97.7	6.9	6.9	3.8	5	86	86	86	86	822372	809794	<0.2	1.4	<0.2	1.4							
	6.0	0.2	96	24.4						8.1	8.1	30.2	30.2	97.9	98.0	6.9	6.9	4.2	5	88	88	88	88	822372	809794	<0.2	1.3	<0.2	1.3							
	6.0	0.2	101	24.4						8.1	8.1	30.2	30.2	98.0	98.0	6.9	6.9	4.1	5	88	88	88	88	822372	809794	<0.2	1.3	<0.2	1.3							
IM11	Cloudy	Moderate	12:06	8.5						Surface	1.0	0.4	86	24.7	24.7	8.1	8.1	28.3	28.3	102.5	102.5	7.3	7.1	2.8	5	84	84	86	86	822071	811446	<0.2	1.3	<0.2	1.3	
											1.0	0.4	91	24.7	8.1	8.1	28.3	28.3	102.5	102.5	7.3	7.1	2.8	4	84	86	86	86	822071	811446	<0.2	1.4	<0.2	1.4		
											4.3	0.2	63	24.4	8.0	8.0	29.6	29.6	95.9	95.9	6.8	6.8	3.6	5	86	86	86	86	822071	811446	<0.2	1.2	<0.2	1.2		
					Middle	4.3	0.3	64	24.4	8.0	8.0	29.6	29.6	95.8	95.8	6.8	6.8	3.6	4	86	86	86	86	822071	811446	<0.2	1.2	<0.2	1.2							
						7.5	0.2	84	24.3	8.0	8.0	30.4	30.4	93.8	93.8	6.6	6.6	4.1	3	88	88	88	88	822071	811446	<0.2	1.5	<0.2	1.5							
						7.5	0.2	84	24.3	8.0	8.0	30.4	30.4	93.8	93.8	6.6	6.6	4.1	4	87	87	87	87	822071	811446	<0.2	1.3	<0.2	1.3							
					IM12	Cloudy	Moderate	11:55	9.6	Surface	1.0	0.5	111	24.6	24.6	8.1	8.1	28.8	28.8	100.9	100.9	7.1	6.9	4.0	6	84	83	87	87	821446	812044	<0.2	1.2	<0.2	1.2	
											1.0	0.5	111	24.6	8.1	8.1	28.8	28.8	100.8	100.8	7.1	6.9	4.0	5	83	87	86	86	821446	812044	<0.2	1.5	<0.2	1.5		
											4.8	0.3	103	24.3	8.0	8.0	30.3	30.3	94.6	94.5	6.7	6.7	2.8	6	87	86	89	88	821446	812044	<0.2	1.3	<0.2	1.3		
Middle	4.8	0.3	111	24.3						8.0	8.0	30.3	30.3	94.4	94.5	6.7	6.7	2.8	5	86	89	88	88	821446	812044	<0.2	1.4	<0.2	1.4							
	8.6	0.2	84	24.2						8.0	8.0	30.5	30.5	93.5	93.6	6.6	6.6	2.9	6	89	88	88	88	821446	812044	<0.2	1.4	<0.2	1.4							
	8.6	0.2	84	24.2						8.0	8.0	30.5	30.5	93.6	93.6	6.6	6.6	2.9	7	88	88	88	88	821446	812044	<0.2	1.5	<0.2	1.5							
SR1A	Cloudy	Calm	11:17	5.1						Surface	1.0	-	-	24.3	24.3	8.0	8.0	30.3	30.3	96.7	96.7	6.8	6.8	3.0	6	-	-	-	-	819980	812657	-	-	-	-	
											1.0	-	-	24.3	8.0	8.0	30.3	30.3	96.7	96.7	6.8	6.8	3.0	6	-	-	-	-	819980	812657	-	-	-	-		
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819980	812657	-	-	-	-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819980	812657	-	-	-	-				
						4.1	-	-	24.3	8.0	8.0	30.3	30.3	97.3	97.4	6.9	6.9	3.1	4	-	-	-	-	-	-	819980	812657	-	-	-	-					
						4.1	-	-	24.3	8.0	8.0	30.3	30.3	97.4	97.4	6.9	6.9	3.1	4	-	-	-	-	-	-	819980	812657	-	-	-	-					
					SR2	Cloudy	Moderate	10:59	4.9	Surface	1.0	0.2	76	24.3	24.3	8.1	8.1	30.3	30.3	98.8	98.8	7.0	7.0	2.8	3	86	85	-	-	821441	814182	<0.2	1.0	<0.2	1.0	
											1.0	0.2	81	24.3	8.1	8.1	30.3	30.3	98.7	98.8	7.0	7.0	2.8	4	85	-	-	-	-	-	821441	814182	<0.2	1.0	<0.2	1.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821441	814182	<0.2	1.1	<0.2
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821441	814182	<0.2	1.1	<0.2	1.1				
	3.9	0.2	73	24.2						8.1	8.1	30.5	30.5	97.6	97.6	6.9	6.9	2.3	5	88	-	-	-	-	-	821441	814182	<0.2	1.1	<0.2	1.1					
	3.9	0.2	73	24.2						8.1	8.1	30.5	30.5	97.6	97.6	6.9	6.9	2.3	4	88	-	-	-	-	-	821441	814182	<0.2	1.2	<0.2	1.2					
SR3	Cloudy	Moderate	12:39	8.6						Surface	1.0	0.2	155	24.7	24.7	8.1	8.1	28.4	28.4	104.0	104.0	7.4	7.2	2.8	6	-	-	-	-	822161	807567	-	-	-	-	
											1.0	0.2	168	24.7	8.1	8.1	28.4	28.4	103.9	104.0	7.4	7.2	2.9	5	-	-	-	-	-	-	822161	807567	-	-	-	-
											4.3	0.3	147	24.5	8.1	8.1	29.2	29.2	99.6	99.6	7.0	7.0	3.8	6	-	-	-	-	-	-	822161	807567	-	-	-	-
					Middle	4.3	0.3	161	24.5	8.1	8.1	29.2	29.2	99.6	99.6	7.0	7.0	3.8	5	-	-	-	-	-	-	822161	807567	-	-	-	-					
						7.6	0.1	181	24.4	8.1	8.1	30.5	30.5	101.6	101.6	7.1	7.1	4.2	6	-	-	-	-	-	-	822161	807567	-	-	-	-					
						7.6	0.1	185	24.4	8.1	8.1	30.5	30.5	101.6	101.6	7.1	7.1	4.0	5	-	-	-	-	-	-	822161	807567	-	-	-	-					
					SR4A	Misty	Calm	10:40	9.2	Surface	1.0	0.3	69	24.6	24.6	8.0	8.0	29.8	29.8	99.3	99.3	7.0	7.0	3.2	4	-	-	-	-	817171	807787	-	-	-	-	
											1.0	0.4	75	24.6	8.0	8.0	29.8	29.8	99.2	99.3	7.0	7.0	3.2	4	-	-	-	-	-	-	817171	807787	-	-	-	-
											4.6	0.3	72	24.6	8.0	8.0	29.9	29.9	98.3	98.2	6.9	6.9	3.4	4	-	-	-	-	-	-	817171	807787	-	-	-	-
Middle	4.6	0.3	75	24.6						8.0	8.0	29.9	29.9	98.1	98.2	6.9	6.9	3.4	5	-	-	-	-	-	-	817171	807787	-	-	-	-					
	8.2	0.3	65	24.5						8.0	8.0	29.9	29.9	97.5	97.5	6.9	6.9	4.3	4	-	-	-	-	-	-	817171	807787	-	-	-	-					
	8.2	0.3	65	24.5						8.0	8.0	29.9	29.9	97.5	97.5	6.9	6.9	4.4	5	-	-	-														

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 April 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)						
						Speed (m/s)	Direction	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
						Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
C1	Misty	Calm	16:06	8.2	Surface	1.0	0.3	39	24.7	24.7	8.1	8.1	30.1	30.1	114.4	114.3	8.0	7.5	1.8	2.9	4	6	86	88	815629	804232	<0.2	0.6	<0.2	0.6				
						1.0	0.3	42	24.7	24.7	8.1	8.1	30.1	30.1	114.2	114.3	8.0	7.5	1.8	2.9	5	6	85	87			<0.2	0.6	<0.2	0.6				
					Middle	4.1	0.3	40	24.4	24.4	8.0	8.0	30.6	30.6	99.3	99.2	7.0	6.9	2.9	2.9	6	7	87	88			<0.2	0.6	<0.2	0.6				
						4.1	0.3	40	24.4	24.4	8.0	8.0	30.6	30.6	99.1	99.1	7.0	6.9	2.9	2.9	7	7	88	90			<0.2	0.6	<0.2	0.7				
					Bottom	7.2	0.3	52	24.4	24.5	8.0	8.0	30.6	30.6	98.4	98.5	6.9	6.9	3.9	6.9	7	8	87	88			<0.2	0.6	<0.2	0.7				
						7.2	0.3	54	24.5	24.5	8.0	8.0	30.6	30.6	98.5	98.5	6.9	6.9	4.0	6.9	8	8	90	90			<0.2	0.7	<0.2	0.7				
C2	Cloudy	Moderate	15:03	11.3	Surface	1.0	0.4	190	24.9	24.9	8.1	8.1	27.0	27.0	114.8	114.7	8.1	7.5	2.1	3.1	3	4	83	86	825701	806955	<0.2	1.6	<0.2	1.6				
						1.0	0.4	208	24.9	24.9	8.1	8.1	27.0	27.0	114.5	114.5	8.1	7.5	2.1	3.1	4	4	84	87			<0.2	1.6	<0.2	1.6				
					Middle	5.7	0.2	185	24.5	24.5	8.1	8.1	29.6	29.6	97.3	97.3	6.9	6.9	3.4	3.1	4	4	87	86			<0.2	1.6	<0.2	1.6				
						5.7	0.2	193	24.5	24.5	8.1	8.1	29.6	29.6	97.3	97.3	6.9	6.9	3.5	3.1	3	3	86	89			<0.2	1.7	<0.2	1.7				
					Bottom	10.3	0.2	348	24.4	24.4	8.1	8.1	29.9	29.9	98.9	99.1	7.0	7.0	3.6	7.0	4	4	89	89			<0.2	1.7	<0.2	1.7				
						10.3	0.2	320	24.4	24.4	8.1	8.1	29.9	29.9	99.2	99.2	7.0	7.0	3.6	7.0	4	4	89	86			<0.2	1.7	<0.2	1.7				
C3	Cloudy	Moderate	17:19	12.1	Surface	1.0	0.3	260	24.3	24.3	8.1	8.1	30.9	30.9	102.3	102.3	7.2	6.9	1.8	2.1	3	3	86	88	822107	817822	<0.2	1.0	<0.2	1.0				
						1.0	0.3	269	24.3	24.3	8.1	8.1	30.9	30.9	102.2	102.2	7.2	6.9	1.8	2.1	4	3	86	88			<0.2	1.0	<0.2	1.0				
					Middle	6.1	0.4	260	24.0	24.0	8.1	8.1	31.8	31.8	93.0	93.0	6.5	6.5	1.9	2.1	3	3	88	88			<0.2	1.0	<0.2	1.0				
						6.1	0.4	265	24.0	24.0	8.1	8.1	31.8	31.8	93.0	93.0	6.5	6.5	1.9	2.1	3	3	88	88			<0.2	1.0	<0.2	1.1				
					Bottom	11.1	0.3	262	23.9	23.9	8.1	8.1	32.0	32.0	92.4	92.4	6.5	6.5	2.5	6.5	3	2	90	90			<0.2	1.1	<0.2	1.1				
						11.1	0.3	286	23.9	23.9	8.1	8.1	32.0	32.0	92.4	92.4	6.5	6.5	2.6	6.5	2	2	90	90			<0.2	1.1	<0.2	1.1				
IM1	Misty	Calm	15:45	5.0	Surface	1.0	0.1	18	24.6	24.6	8.0	8.0	30.0	30.0	94.6	94.4	6.6	6.6	5.0	5.8	8	6	86	86	817932	807108	<0.2	0.7	<0.2	0.7				
						1.0	0.1	19	24.6	24.6	8.0	8.0	30.1	30.1	94.2	94.2	6.6	6.6	5.0	5.8	6	6	86	86			<0.2	0.7	<0.2	0.7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	88	817932	807108	<0.2	0.7	<0.2	0.7
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	88	817932	807108	<0.2	0.7	<0.2
					Bottom	4.0	0.1	20	24.5	24.5	8.0	8.0	30.0	30.0	88.8	87.0	6.2	6.1	6.7	6.1	6	6	89	89			<0.2	0.6	<0.2	0.6				
						4.0	0.1	20	24.5	24.5	8.0	8.0	30.0	30.0	85.1	87.0	6.2	6.1	6.6	6.1	5	5	89	89			<0.2	0.6	<0.2	0.6				
IM2	Misty	Calm	15:38	6.8	Surface	1.0	0.1	347	24.8	24.8	8.1	8.1	30.0	30.0	104.1	104.0	7.3	7.3	2.3	4.0	3	5	87	88	818155	806167	<0.2	0.8	<0.2	0.8				
						1.0	0.2	319	24.8	24.8	8.1	8.1	30.0	30.0	103.9	103.7	7.3	7.3	2.2	4.0	4	5	86	88			<0.2	0.6	<0.2	0.6				
					Middle	3.4	0.2	3	24.8	24.8	8.1	8.1	30.0	30.0	103.1	103.7	7.2	7.2	4.5	4.0	5	5	88	88			<0.2	0.6	<0.2	0.6				
						3.4	0.2	3	24.8	24.8	8.1	8.1	30.0	30.0	103.0	103.7	7.2	7.2	4.6	4.0	6	6	88	89			<0.2	0.7	<0.2	0.7				
					Bottom	5.8	0.2	1	24.5	24.5	8.0	8.0	30.3	30.3	95.4	95.4	6.7	6.7	5.1	6.7	6	6	89	90			<0.2	0.7	<0.2	0.7				
						5.8	0.2	1	24.5	24.5	8.0	8.0	30.2	30.3	95.4	95.4	6.7	6.7	5.0	6.7	6	6	90	90			<0.2	0.7	<0.2	0.7				
IM3	Misty	Calm	15:30	6.8	Surface	1.0	0.2	337	24.7	24.7	8.1	8.1	29.9	29.9	98.3	98.3	6.9	6.9	1.9	2.7	5	5	86	86	818791	805603	<0.2	0.6	<0.2	0.6				
						1.0	0.2	310	24.7	24.7	8.1	8.1	29.9	29.9	98.2	98.2	6.9	6.9	2.0	2.7	5	5	86	100			<0.2	0.6	<0.2	0.6				
					Middle	3.4	0.2	2	24.7	24.7	8.1	8.1	29.9	29.9	97.9	97.6	6.9	6.8	2.8	2.7	5	5	87	87			<0.2	0.6	<0.2	0.6				
						3.4	0.2	2	24.6	24.6	8.1	8.1	29.9	29.9	97.3	97.6	6.8	6.8	2.7	2.7	6	5	87	90			<0.2	0.6	<0.2	0.6				
					Bottom	5.8	0.3	8	24.5	24.5	8.0	8.0	30.1	30.1	95.7	95.6	6.7	6.7	3.5	6.7	5	5	89	90			<0.2	0.7	<0.2	0.7				
						5.8	0.3	8	24.5	24.5	8.0	8.0	30.1	30.1	95.5	95.6	6.7	6.7	3.5	6.7	6	6	90	90			<0.2	0.6	<0.2	0.6				
IM4	Misty	Moderate	15:21	8.0	Surface	1.0	0.1	245	24.7	24.7	8.0	8.0	29.6	29.6	96.6	96.5	6.8	6.8	2.0	2.7	5	5	86	87	819743	804605	<0.2	0.7	<0.2	0.7				
						1.0	0.1	268	24.7	24.7	8.0	8.0	29.6	29.6	96.4	96.5	6.8	6.8	2.1	2.7	6	5	87	88			<0.2	0.6	<0.2	0.6				
					Middle	4.0	0.1	282	24.6	24.6	8.0	8.0	29.8	29.8	95.2	95.2	6.7	6.7	2.4	2.7	6	5	88	87			<0.2	1.0	<0.2	1.0				
						4.0	0.1	289	24.6	24.6	8.0	8.0	29.8	29.8	95.1	95.1	6.7	6.7	2.5	2.7	5	5	87	87			<0.2	0.6	<0.2	0.6				
					Bottom	7.0	0.2	269	24.6	24.6	8.0	8.0	29.9	29.9	95.0	95.1	6.7	6.7	3.7	6.7	5	4	87	91			<0.2	0.7	<0.2	0.7				
						7.0	0.2	272	24.6	24.6	8.0	8.0	29.9	29.9	95.1	95.1	6.7	6.7	3.7	6.7	4	4	91	91			<0.2	0.7	<0.2	0.7				
IM5	Misty	Moderate	15:14	7.4	Surface	1.0	0.2	274	24.9	24.9	8.0	8.0	28.2	28.4	102.0	102.0	7.2	7.0	1.1	2.9	5	6	86	85	820734	804878	<0.2	0.6	<0.2	0.6				
						1.0	0.2	280	24.8	24.8	8.0	8.0	28.6	28.4	101.9	101.9	7.2	7.0	1.1	2.9	6	6	85	87			<0.2	0.6	<0.2	0.6				
					Middle	3.7	0.1	282	24.6	24.6	8.0	8.0	29.5	29.5	96.6	96.6	6.8	6.8	3.5	2.9	5	5	87	87			<0.2	0.7	<0.2	0.7				
						3.7	0.1	294	24.6	24.6	8.0	8.0	29.5	29.5	96.5	96.6	6.8	6.8	3.6	2.9	6	6	87	89			<0.2	0.7	<0.2	0.7				
					Bottom	6.4	0.1	279	24.6	24.6	8.0	8.0	29.6	29.6	96.0	96.0	6.8	6.8	4.0	6.8	7	6	89	90			<0.2	0.8	<0.2	0.8				
						6.4	0.1	285	24.6	24.6	8.0	8.0	29.6	29.6	95.9	96.0	6.8	6.8	4.0	6.8	6	6	90	90			<0.2	0.6	<0.2	0.6				
IM6	Misty	Moderate	15:07	7.0	Surface	1.0	0.3	268	24.8	24.8	8.0	8.0	28.1	28.2	103.6	103.5	7.3	7.1	1.7	2.4	5	5	86	87	821036	805841	<0.2	0.8	<0.2	0.8				
						1.0	0.3	271	24.8	24.8	8.0	8.0	28.3	28.2	103.3	103.3	7.3	7.1	1.7	2.4	6	5	87	87			<0.2	0.6	<0.2	0.6				
					Middle	3.5	0.3	268	24.6	24.6	8.0	8.0	29.1	29.2	96.2	96.0	6.8	6.8	2.5	2.4	4	4	87	90			<0.2	0.6	<0.2	0.6				
						3.5	0.3	289	24.6	24.6	8.0	8.0	29.3	29.2	95.8	96.0	6.8	6.8	2.6	2.4	5	4	87	88			<0.2	0.6	<0.2	0.6				
					Bottom	6.0	0.2	274	24.6	24.6	8.0																							

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

Water Quality Monitoring Results on 08 April 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)								
						Speed (m/s)	Direction	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	Value	DA							
IM9	Cloudy	Moderate	15:35	7.2	Surface	1.0	0.3	244	24.8	24.8	8.1	8.1	28.2	28.2	109.1	109.1	7.7	7.7	2.7	5	85	87	<0.2	1.4	822089	808818	<0.2	1.5	1.5							
						1.0	0.3	249	24.8	8.1	8.1	28.2	28.2	109.0	103.0	7.7	7.7	2.6	4	84	87	<0.2	1.6													
					Middle	3.6	0.3	253	24.6	8.1	8.1	29.2	29.2	103.0	103.0	7.3	7.3	3.6	4	86	87	<0.2	1.5													
						3.6	0.3	255	24.6	8.1	8.1	29.2	29.2	103.0	103.0	7.3	7.3	3.6	4	87	89	<0.2	1.4													
					Bottom	6.2	0.3	254	24.5	24.5	8.1	8.1	29.3	29.3	102.2	102.3	7.2	7.2	4.2	4	89	89	<0.2	1.5												
						6.2	0.3	263	24.5	24.5	8.1	8.1	29.3	29.3	102.3	102.3	7.2	7.2	4.1	4	89	89	<0.2	1.5												
IM10	Cloudy	Moderate	15:43	7.1	Surface	1.0	0.3	270	24.7	24.7	8.1	8.1	28.9	28.9	103.9	103.9	7.3	7.3	2.9	4	85	87	<0.2	1.4												
						1.0	0.3	292	24.7	24.7	8.1	8.1	28.9	28.9	103.9	103.9	7.3	7.3	2.9	5	84	87	<0.2	1.6												
					Middle	3.6	0.4	276	24.5	24.5	8.1	8.1	29.3	29.3	101.6	101.7	7.2	7.2	3.8	4	87	88	<0.2	1.5												
						3.6	0.4	302	24.5	24.5	8.1	8.1	29.3	29.3	101.7	101.7	7.2	7.2	3.9	4	88	89	<0.2	1.4												
					Bottom	6.1	0.3	278	24.5	24.5	8.1	8.1	29.6	29.6	100.0	100.1	7.1	7.1	4.3	3	89	89	<0.2	1.5												
						6.1	0.3	303	24.5	24.5	8.1	8.1	29.6	29.6	100.1	100.1	7.1	7.1	4.4	4	89	89	<0.2	1.6												
IM11	Cloudy	Moderate	15:55	8.0	Surface	1.0	0.3	277	24.6	24.6	8.1	8.1	29.0	29.0	102.4	102.3	7.2	7.2	3.1	4	85	87	<0.2	1.5												
						1.0	0.3	300	24.6	24.6	8.1	8.1	29.0	29.0	102.1	102.3	7.2	7.2	3.1	5	84	87	<0.2	1.3												
					Middle	4.0	0.3	287	24.5	24.5	8.1	8.1	29.4	29.4	99.5	99.5	7.0	7.0	3.2	4	87	89	<0.2	1.3												
						4.0	0.3	307	24.5	24.5	8.1	8.1	29.4	29.4	99.5	99.5	7.0	7.0	3.2	5	87	89	<0.2	1.4												
					Bottom	7.0	0.3	303	24.4	24.4	8.1	8.1	29.9	29.9	95.9	96.0	6.8	6.8	4.7	5	89	89	<0.2	1.4												
						7.0	0.3	309	24.4	24.4	8.1	8.1	29.9	29.9	96.0	96.0	6.8	6.8	4.8	6	89	89	<0.2	1.5												
IM12	Cloudy	Moderate	16:02	8.3	Surface	1.0	0.2	279	24.6	24.6	8.1	8.1	29.0	29.0	103.0	103.0	7.3	7.3	2.8	4	84	86	<0.2	1.4												
						1.0	0.3	305	24.6	24.6	8.1	8.1	29.0	29.0	103.0	103.0	7.3	7.3	2.9	4	85	86	<0.2	1.3												
					Middle	4.2	0.3	289	24.4	24.4	8.0	8.0	29.8	29.8	98.1	98.1	6.9	6.9	3.1	3	86	87	<0.2	1.4												
						4.2	0.4	306	24.4	24.4	8.0	8.0	29.8	29.8	98.1	98.1	6.9	6.9	3.1	4	87	88	<0.2	1.3												
					Bottom	7.3	0.3	276	24.3	24.3	8.0	8.0	30.1	30.1	97.3	97.4	6.9	6.9	3.7	4	88	89	<0.2	1.3												
						7.3	0.3	280	24.3	24.3	8.0	8.0	30.1	30.1	97.4	97.4	6.9	6.9	3.7	3	89	89	<0.2	1.2												
SR1A	Cloudy	Calm	16:37	4.9	Surface	1.0	-	-	24.7	24.7	8.1	8.1	29.1	29.1	107.9	107.9	7.6	7.6	2.6	4	-	-	-	-	819974	812657	-	-	-							
						1.0	-	-	24.7	24.7	8.1	8.1	29.1	29.1	107.8	107.8	7.6	7.6	2.6	5	-	-	-	-												
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-
					Bottom	3.9	-	-	24.6	24.6	8.1	8.1	29.3	29.3	106.5	106.5	7.5	7.5	2.6	6	-	-	-	-						-	-	-	-	-	-	-
						3.9	-	-	24.6	24.6	8.1	8.1	29.4	29.4	106.4	106.4	7.5	7.5	2.6	5	-	-	-	-						-	-	-	-	-	-	-
SR2	Cloudy	Moderate	16:55	4.7	Surface	1.0	0.1	342	24.4	24.4	8.1	8.1	29.8	29.8	101.7	101.7	7.2	7.2	2.9	4	86	86	<0.2	1.3	821479	814184	<0.2	1.2	1.1							
						1.0	0.1	358	24.4	24.4	8.1	8.1	29.8	29.8	101.6	101.7	7.2	7.2	2.9	5	85	86	<0.2	1.1												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-
					Bottom	3.7	0.1	337	24.4	24.4	8.1	8.1	30.0	30.0	101.1	101.1	7.1	7.1	3.1	4	87	87	<0.2	1.2												
						3.7	0.1	344	24.4	24.4	8.1	8.1	30.0	30.0	101.1	101.1	7.1	7.1	3.1	5	87	87	<0.2	1.1												
SR3	Cloudy	Moderate	15:22	8.8	Surface	1.0	0.4	203	24.9	24.9	8.1	8.1	27.7	27.7	116.3	116.3	8.2	8.2	2.2	5	-	-	-	-	822168	807588	-	-	-							
						1.0	0.4	209	24.9	24.9	8.1	8.1	27.8	27.7	116.2	116.2	8.2	8.2	2.3	5	-	-	-	-												
					Middle	4.4	0.2	215	24.5	24.5	8.1	8.1	29.2	29.2	101.4	101.3	7.2	7.2	3.1	3	-	-	-	-						-	-	-	-	-	-	
						4.4	0.2	220	24.5	24.5	8.1	8.1	29.3	29.2	101.2	101.3	7.1	7.1	3.3	4	-	-	-	-						-	-	-	-	-	-	
					Bottom	7.8	0.2	257	24.4	24.4	8.1	8.1	30.2	30.2	99.8	99.8	7.0	7.0	4.1	3	-	-	-	-						-	-	-	-	-	-	-
						7.8	0.2	268	24.4	24.4	8.1	8.1	30.2	30.2	99.8	99.8	7.0	7.0	4.1	4	-	-	-	-						-	-	-	-	-	-	-
SR4A	Misty	Calm	16:27	8.4	Surface	1.0	0.1	226	24.7	24.7	8.0	8.0	29.9	29.9	100.9	100.9	7.1	7.1	2.8	5	-	-	-	-	817201	807788	-	-	-							
						1.0	0.1	239	24.7	24.7	8.0	8.0	29.9	29.9	100.8	100.8	7.1	7.1	2.8	4	-	-	-	-												
					Middle	4.2	0.1	233	24.7	24.7	8.0	8.0	29.9	29.9	99.1	98.9	7.0	7.0	2.9	5	-	-	-	-						-	-	-	-	-	-	-
						4.2	0.1	236	24.7	24.7	8.0	8.0	29.9	29.9	98.6	98.9	6.9	6.9	2.9	6	-	-	-	-						-	-	-	-	-	-	-
					Bottom	7.4	0.0	255	24.6	24.6	8.0	8.0	29.9	29.9	96.3	96.2	6.8	6.8	3.1	7	-	-	-	-						-	-	-	-	-	-	-
						7.4	0.0	267	24.6	24.6	8.0	8.0	29.9	29.9	96.1	96.2	6.7	6.7	3.2	8	-	-	-	-						-	-	-	-	-	-	-
SR5A	Misty	Calm	16:45	4.4	Surface	1.0	0.1	286	24.7	24.7	8.0	8.0	29.7	29.7	96.8	96.8	6.8	6.8	3.8	5	-	-	-	-	816615	810698	-	-	-							
						1.0	0.1	291	24.7	24.7	8.0	8.0	29.7	29.7	96.8	96.8	6.8	6.8	3.8	7	-	-	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-
					Bottom	3.4	0.1	298	24.7	24.7	8.0	8.0	29.7	29.7	96.8	96.8	6.8	6.8	4.1	4	-	-	-	-						-	-	-	-	-	-	-
						3.4	0.1	307	24.7	24.7	8.0	8.0	29.7	29.7	96.8	96.8	6.8	6.8	4.1	5	-	-	-	-						-	-	-	-	-	-	-
SR6A	Misty	Calm	17:18	4.2	Surface	1.0	0.0	293	24.7	24.7	8.0	8.0	29.6	29.6	96.9	96.9	6.8	6.8	2.4	4	-	-	-	-	817981	814718	-	-	-							
						1.0	0.0	309	24.7	24.7	8.0	8.0	29.6	29.6	96.9	96.9	6.8	6.8	2.3	4	-	-	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-
					Bottom	3.2	0.0	308	24.7	24.7	8.0	8.0	29.7	29.7	96.9	96.9	6.8	6.8	3.3	7	-	-	-	-						-	-	-	-	-	-	-
						3.2	0.0	323	24.7	24.7	8.0	8.0	29.7	29.7	96.9	96.9	6.8	6.8	3.3	8	-	-	-	-						-	-	-	-	-	-	-
SR7	Cloudy	Moderate	17:56	15.4	Surface	1.0	0.1	334	24.0	24.0	8.1	8.1	31.9	31.9	96.6	96.6	6.8	6.8	1.7	3	-	-	-	-	823630	823721	-	-	-							
						1.0	0.1	343	24.0	24.0	8.1	8.1	31.9	31.9	96.6	96.6	6.8	6.8	1.7	3	-	-	-	-												
					Middle	7.7	0.2	63	23.9	23.9	8.1	8.1	32.0	32.0	96.5																					

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

Water Quality Monitoring Results on 10 April 21 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	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Fine	Moderate	11:53	8.7	Surface	1.0	0.2	225	23.7	23.7	8.1	8.1	32.4	32.4	99.1	98.9	7.0	6.9	3.0	3.6	<2	3	87	90	815616	804247	<0.2	0.8	0.7	0.7				
						1.0	0.3	240	23.7	8.1	8.1	32.5	32.6	98.7	96.8	6.9	6.8	3.2	4.0	<2	3	88	91	<0.2	0.7	0.7	0.7							
						4.4	0.3	217	23.6	8.1	8.1	32.6	32.6	96.8	96.8	6.8	6.8	4.0	4.0	<2	3	91	92	<0.2	0.7	0.7	0.7							
					Middle	4.4	0.3	228	23.6	8.1	8.1	32.6	32.6	96.8	96.8	6.8	6.8	4.0	4.0	<2	3	91	92	<0.2	0.7	0.7	0.7							
						7.7	0.2	195	23.7	8.1	8.1	32.5	32.5	97.3	97.4	6.8	6.8	3.9	3.9	5	4	92	92	<0.2	0.7	0.7	0.7							
						7.7	0.2	196	23.7	8.1	8.1	32.5	32.5	97.4	97.4	6.8	6.8	3.9	3.9	4	4	92	92	<0.2	0.7	0.7	0.7							
					Bottom	1.0	0.2	135	23.9	23.9	8.0	8.0	30.9	30.9	93.2	93.2	6.6	6.6	4.7	6	6	6	83	86	<0.2	1.2	1.1	1.1						
						1.0	0.2	140	23.9	23.8	8.0	8.0	30.9	30.9	93.2	93.2	6.6	6.6	4.8	6	6	6	83	86	<0.2	1.1	1.1	1.1						
						6.5	0.5	154	23.8	23.8	8.1	8.1	31.0	31.0	93.3	93.3	6.6	6.6	5.2	6	6	6	86	86	<0.2	1.1	1.1	1.1						
C2	Fine	Moderate	10:54	13.0	Surface	6.5	0.5	166	23.8	23.8	8.1	8.1	31.0	31.0	93.3	93.3	6.6	6.6	5.2	5.3	6	6	86	86	825687	806961	<0.2	1.1	1.1	1.1				
						6.5	0.5	166	23.8	23.8	8.1	8.1	31.0	31.0	93.3	93.3	6.6	6.6	5.2	5	5	5	86	89	<0.2	1.1	1.1	1.1						
						12.0	0.5	144	23.7	23.7	8.1	8.1	31.9	31.9	93.1	93.1	6.6	6.6	6.0	6	6	6	89	89	<0.2	1.1	1.1	1.1						
Middle					12.0	0.5	150	23.7	23.7	8.1	8.1	31.9	31.9	93.1	93.1	6.6	6.6	6.1	6	6	6	89	89	<0.2	1.1	1.1	1.1							
					1.0	0.4	286	24.0	24.0	8.0	8.0	31.8	31.8	91.5	91.5	6.4	6.4	2.7	2	2	2	84	84	<0.2	1.1	1.0	1.0							
					1.0	0.4	302	24.0	24.0	8.0	8.0	31.8	31.8	91.4	91.4	6.4	6.4	2.7	3	3	3	84	88	<0.2	1.0	1.0	1.0							
Bottom					6.1	0.2	257	23.8	23.8	8.0	8.0	32.5	32.5	89.0	89.0	6.3	6.3	2.9	2	2	2	88	88	<0.2	1.0	1.0	1.0							
					6.1	0.2	259	23.8	23.8	8.0	8.0	32.5	32.5	89.0	89.0	6.3	6.3	2.9	3	3	3	88	90	<0.2	1.0	1.0	1.0							
					11.2	0.1	120	23.7	23.7	8.1	8.1	33.0	33.0	88.8	88.9	6.2	6.2	3.0	4	4	4	90	90	<0.2	1.1	1.1	1.1							
C3	Fine	Moderate	12:58	12.2	Surface	11.2	0.1	122	23.7	23.7	8.1	8.1	33.0	33.0	88.9	88.9	6.2	6.2	3.1	3	3	3	90	90	822100	817792	<0.2	1.0	1.0	1.0				
						1.0	0.1	182	23.7	23.7	8.1	8.1	31.3	31.3	95.7	95.7	6.8	6.8	3.5	3	3	3	86	86	<0.2	0.8	0.8	0.8						
						1.0	0.1	191	23.7	23.7	8.1	8.1	31.3	31.3	95.6	95.6	6.8	6.8	3.7	9	9	9	86	86	<0.2	0.8	0.8	0.8						
Middle					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817940	807150	<0.2	-	-	-	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817940	807150	<0.2	-	-	-
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817940	807150	<0.2	-	-	-
Bottom					4.4	0.1	151	23.7	23.7	8.1	8.1	31.3	31.3	95.4	95.5	6.8	6.8	4.3	5	5	5	89	90	<0.2	0.7	0.7	0.7							
					4.4	0.1	159	23.7	23.7	8.1	8.1	31.3	31.3	95.5	95.5	6.8	6.8	4.3	9	9	9	90	90	<0.2	0.7	0.7	0.7							
					1.0	0.1	217	23.8	23.8	8.1	8.1	31.3	31.3	95.6	95.6	6.8	6.8	4.5	8	8	8	85	85	<0.2	0.7	0.7	0.7							
IM1	Fine	Moderate	11:35	5.4	Surface	1.0	0.1	219	23.8	23.8	8.1	8.1	31.4	31.4	95.6	95.6	6.8	6.8	4.5	8	8	8	85	85	818141	806151	<0.2	0.7	0.7	0.7				
						3.6	0.1	142	23.7	23.7	8.1	8.1	31.6	31.7	95.8	95.8	6.8	6.8	4.4	7	7	7	89	90	<0.2	0.7	0.7	0.7						
						3.6	0.1	148	23.7	23.7	8.1	8.1	31.7	31.7	95.8	95.8	6.8	6.8	4.5	6	6	6	89	90	<0.2	0.7	0.7	0.7						
Middle					6.1	0.2	92	23.7	23.7	8.1	8.1	32.2	32.2	96.1	96.1	6.8	6.8	5.5	3	3	3	90	91	<0.2	0.8	0.8	0.8							
					6.1	0.2	94	23.7	23.7	8.1	8.1	32.2	32.2	96.1	96.1	6.8	6.8	5.6	2	2	2	91	91	<0.2	0.7	0.7	0.7							
					1.0	0.1	177	23.8	23.8	8.1	8.1	31.4	31.4	96.2	96.3	6.8	6.8	4.0	6	6	6	88	88	<0.2	0.7	0.7	0.7							
Bottom					1.0	0.1	181	23.8	23.8	8.1	8.1	31.4	31.4	96.3	96.3	6.8	6.8	4.0	7	7	7	88	90	<0.2	0.7	0.7	0.7							
					3.6	0.1	113	23.7	23.7	8.1	8.1	31.7	31.7	96.3	96.4	6.8	6.8	3.9	9	9	9	90	91	<0.2	0.7	0.7	0.7							
					3.6	0.1	124	23.7	23.7	8.1	8.1	31.7	31.7	96.4	96.4	6.8	6.8	3.9	10	10	10	91	91	<0.2	0.7	0.7	0.7							
IM2	Fine	Moderate	11:27	7.1	Surface	6.2	0.2	86	23.7	23.7	8.1	8.1	32.2	32.2	96.5	96.5	6.8	6.8	6.0	6	6	6	91	91	818803	805598	<0.2	0.7	0.7	0.7				
						6.2	0.2	93	23.7	23.7	8.1	8.1	32.2	32.2	96.5	96.5	6.8	6.8	5.9	10	10	10	91	91	<0.2	0.8	0.8	0.8						
						1.0	0.1	221	23.7	23.7	8.1	8.1	31.7	31.7	96.8	96.8	6.8	6.8	4.1	9	9	9	86	87	<0.2	0.6	0.6	0.6						
Middle					1.0	0.1	222	23.7	23.7	8.1	8.1	31.7	31.7	96.7	96.7	6.8	6.8	4.1	9	9	9	87	89	<0.2	0.5	0.5	0.5							
					4.3	0.0	109	23.7	23.7	8.1	8.1	31.9	31.9	96.6	96.6	6.8	6.8	4.0	9	9	9	89	89	<0.2	0.5	0.5	0.5							
					4.3	0.0	111	23.7	23.7	8.1	8.1	31.9	31.9	96.5	96.5	6.8	6.8	4.1	10	10	10	89	90	<0.2	0.5	0.5	0.5							
Bottom					7.6	0.1	253	23.7	23.7	8.1	8.1	32.0	32.0	96.8	96.9	6.8	6.8	4.2	11	11	11	90	90	<0.2	0.4	0.4	0.4							
					7.6	0.1	267	23.7	23.7	8.1	8.1	32.0	32.0	96.9	96.9	6.8	6.8	4.3	12	12	12	90	90	<0.2	0.5	0.5	0.5							
					1.0	0.1	348	23.7	23.7	8.1	8.1	31.3	31.3	95.1	95.1	6.7	6.7	4.4	5	5	5	86	86	<0.2	0.8	0.8	0.8							
IM3	Fine	Moderate	11:20	7.2	Surface	1.0	0.1	320	23.7	23.7	8.1	8.1	31.3	31.3	95.1	95.1	6.7	6.7	4.5	2	2	2	86	86	820746	804878	<0.2	0.6	0.6	0.6				
						4.1	0.0	96	23.7	23.7	8.0	8.0	31.6	31.6	94.9	94.9	6.7	6.7	5.2	2	2	2	89	90	<0.2	0.4	0.4	0.4						
						4.1	0.0	102	23.7	23.7	8.0	8.0	31.6	31.6	94.9	94.9	6.7	6.7	5.2	6	6	6	89	90	<0.2	0.5	0.5	0.5						
Middle					7.1	0.1	80	23.6	23.6	8.0	8.0	31.7	31.8	95.6	95.7	6.8	6.8	5.4	11	11	11	90	91	<0.2	0.6	0.6	0.6							
					7.1	0.1	86	23.5	23.6	8.0	8.0	31.7	31.8	95.8	95.8	6.8	6.8	5.4	10	10	10	91	91	<0.2	0.5	0.5	0.5							
					1.0	0.0	233	23.8	23.8	8.0	8.0	30.0	30.1	93.8	93.8	6.7	6.7	2.4	4	4	4	85	87	<0.2	0.4	0.4	0.4							
Bottom					1.0	0.0	245	23.8	23.8	8.0	8.0	30.1	30.1	93.7	93.7	6.7	6.7	2.4	4	4	4	87	89	<0.2	0.5	0.5	0.5							
					4.0	0.0	79	23.7	23.7	8.0	8.0	30.6	30.6	93.1	93.1	6.6	6.6	3.3	4	4	4	89	89	<0.2	0.5	0.5	0.5							
					4.0	0.0	79	23.7	23.7	8.0	8.0	30.7	30.6	93.0	93.1	6.6	6.6	3.5	5	5	5	89	90	<0.2	1.1	1.1	1.1							
IM4	Fine	Moderate	11:10	8.6	Surface	7.0	0.2	108	23.7	23.7	8.0	8.0	31.0	31.0	92.9	93.0	6.6	6.6	4.1	5	5	5	90	90	821074	805851	<0.2	0.7	0.7	0.7				
						7.0	0.2	117	23.7	23.7	8.0	8.0	31.0	31.0	93.0	93.0	6.6	6.6	4.2	4	4	4	90	90	<0.2	1.0	1.0	1.0						
						1.0	0.1	115	23.8	23.8	8.0	8.0	30.2	30.2	91.9	91.8	6.5	6.5	4.8	3	3	3	85	86	<0.2</									

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 April 21 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	Fine	Moderate	07:23	8.7	Surface	1.0	0.4	43	23.6	23.6	8.0	8.0	32.3	32.3	96.1	96.1	6.8	6.8	6.3	6.3	6	85	87	815626	804225	<0.2	0.7	0.7	0.7					
						1.0	0.5	44	23.6	23.6	8.0	8.0	32.3	32.3	96.0	96.0	6.8	6.8	6.4	6.4	5	85	87	815626	804225	<0.2	0.7	0.7	0.7					
						4.4	0.5	43	23.6	23.6	8.0	8.0	32.4	32.4	95.8	95.8	6.7	6.7	12.5	12.5	5	88	87	815626	804225	<0.2	0.8	0.8	0.8					
					Middle	4.4	0.5	46	23.6	23.6	8.0	8.0	32.4	32.4	95.7	95.7	6.7	6.7	13.0	13.0	4	88	87	815626	804225	<0.2	0.8	0.8	0.8					
						7.7	0.4	39	23.6	23.6	8.0	8.0	32.4	32.4	95.8	95.8	6.8	6.8	14.7	14.7	4	89	87	815626	804225	<0.2	0.6	0.6	0.6					
						7.7	0.4	39	23.6	23.6	8.0	8.0	32.4	32.4	95.9	95.9	6.8	6.8	14.6	14.6	5	89	87	815626	804225	<0.2	0.7	0.7	0.7					
					C2	Fine	Moderate	07:58	12.7	Surface	1.0	0.3	352	23.8	23.8	8.0	8.0	30.8	30.8	92.2	92.2	6.5	6.5	6.9	6.9	9	82	86	825686	806938	<0.2	1.2	1.2	1.2
											1.0	0.3	324	23.8	23.8	8.0	8.0	30.8	30.8	92.2	92.2	6.5	6.5	6.9	6.9	9	82	86	825686	806938	<0.2	1.2	1.2	1.2
											6.4	0.5	16	23.7	23.7	8.1	8.1	31.5	31.5	92.9	92.9	6.6	6.6	8.3	8.3	9	86	86	825686	806938	<0.2	1.2	1.2	1.2
Middle	6.4	0.5	16	23.7						23.7	8.1	8.1	31.5	31.5	92.9	92.9	6.6	6.6	8.2	8.2	9	86	86	825686	806938	<0.2	1.2	1.2	1.2					
	11.7	0.3	9	23.6						23.6	8.1	8.1	31.9	31.9	92.7	92.7	6.5	6.5	9.2	9.2	9	89	89	825686	806938	<0.2	1.2	1.2	1.2					
	11.7	0.3	9	23.6						23.6	8.1	8.1	31.9	31.9	92.7	92.7	6.5	6.5	9.2	9.2	9	89	89	825686	806938	<0.2	1.2	1.2	1.1					
C3	Cloudy	Moderate	05:47	12.0						Surface	1.0	0.3	241	23.6	23.6	8.0	8.0	31.9	31.9	89.5	89.5	6.3	6.3	2.1	2.1	3	84	87	822089	817820	<0.2	1.0	1.0	1.0
											1.0	0.3	254	23.6	23.6	8.0	8.0	31.9	31.9	89.4	89.4	6.3	6.3	2.1	2.1	3	83	87	822089	817820	<0.2	0.9	0.9	0.9
											6.0	0.4	252	23.7	23.7	8.0	8.0	32.7	32.7	87.4	87.4	6.1	6.1	3.2	3.2	2	87	87	822089	817820	<0.2	0.9	0.9	0.9
					Middle	6.0	0.4	275	23.7	23.7	8.0	8.0	32.7	32.7	87.4	87.4	6.1	6.1	3.2	3.2	2	87	87	822089	817820	<0.2	0.9	0.9	0.9					
						11.0	0.4	266	23.7	23.7	8.0	8.0	32.8	32.8	87.3	87.3	6.1	6.1	4.5	4.5	<2	<2	90	89	822089	817820	<0.2	0.9	0.9	0.9				
						11.0	0.4	289	23.7	23.7	8.0	8.0	32.8	32.8	87.4	87.4	6.1	6.1	4.1	4.1	<2	<2	91	89	822089	817820	<0.2	0.9	0.9	0.9				
					IM1	Fine	Moderate	07:43	5.4	Surface	1.0	0.1	5	23.5	23.5	8.0	8.0	31.3	31.3	93.7	93.7	6.6	6.6	3.4	3.4	5	84	85	817951	807132	<0.2	0.8	0.8	0.8
											1.0	0.1	5	23.5	23.5	8.0	8.0	31.3	31.3	93.7	93.7	6.6	6.6	3.5	3.5	5	85	85	817951	807132	<0.2	0.7	0.7	0.7
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.4	0.1	356	23.5						23.5	8.0	8.0	31.3	31.3	93.6	93.6	6.7	6.7	5.6	5.6	9	88	88	817951	807132	<0.2	0.8	0.8	0.8					
	4.4	0.1	328	23.5						23.5	8.0	8.0	31.3	31.3	93.7	93.7	6.7	6.7	6.0	6.0	8	84	88	817951	807132	<0.2	0.8	0.8	0.8					
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Fine	Moderate	07:50	7.3						Surface	1.0	0.3	12	23.7	23.7	8.0	8.0	31.1	31.1	94.7	94.7	6.7	6.7	6.4	6.4	7	86	88	818145	806173	<0.2	1.1	1.1	1.1
											1.0	0.3	12	23.7	23.7	8.0	8.0	31.1	31.1	94.6	94.6	6.7	6.7	6.5	6.5	8	85	88	818145	806173	<0.2	1.0	1.0	1.0
											3.7	0.3	359	23.7	23.7	8.0	8.0	31.2	31.2	94.2	94.2	6.7	6.7	11.7	11.7	7	88	88	818145	806173	<0.2	1.1	1.1	1.1
					Middle	3.7	0.3	330	23.7	23.7	8.0	8.0	31.2	31.2	94.1	94.1	6.7	6.7	12.7	12.7	8	88	88	818145	806173	<0.2	1.0	1.0	1.0					
						6.3	0.2	327	23.7	23.7	8.0	8.0	31.3	31.3	94.0	94.0	6.7	6.7	13.5	13.5	8	89	89	818145	806173	<0.2	1.1	1.1	1.1					
						6.3	0.2	355	23.7	23.7	8.0	8.0	31.3	31.3	94.0	94.0	6.7	6.7	13.9	13.9	7	89	89	818145	806173	<0.2	1.1	1.1	1.1					
					IM3	Fine	Moderate	07:56	7.6	Surface	1.0	0.3	358	23.7	23.7	8.1	8.1	31.3	31.3	94.5	94.5	6.7	6.7	7.5	7.5	10	85	88	818181	805608	<0.2	1.1	1.1	1.1
											1.0	0.4	329	23.7	23.7	8.1	8.1	31.3	31.3	94.5	94.5	6.7	6.7	7.6	7.6	10	85	88	818181	805608	<0.2	1.1	1.1	1.1
											3.8	0.3	337	23.7	23.7	8.1	8.1	31.4	31.4	94.4	94.4	6.7	6.7	8.0	8.0	10	88	88	818181	805608	<0.2	1.1	1.1	1.1
Middle	3.8	0.3	348	23.7						23.7	8.1	8.1	31.4	31.4	94.4	94.4	6.7	6.7	8.1	8.1	9	89	89	818181	805608	<0.2	1.2	1.2	1.2					
	6.6	0.3	317	23.7						23.7	8.0	8.0	31.5	31.5	93.9	93.9	6.6	6.6	10.9	10.9	9	90	90	818181	805608	<0.2	1.1	1.1	1.1					
	6.6	0.3	344	23.7						23.7	8.0	8.0	31.5	31.5	93.9	93.9	6.6	6.6	11.0	11.0	8	90	90	818181	805608	<0.2	1.2	1.2	1.2					
IM4	Fine	Moderate	08:05	8.3						Surface	1.0	0.5	356	23.7	23.7	8.1	8.1	31.5	31.5	94.2	94.2	6.7	6.7	9.8	9.8	8	86	86	819746	804589	<0.2	1.1	1.1	1.1
											1.0	0.5	328	23.7	23.7	8.1	8.1	31.5	31.5	94.1	94.1	6.7	6.7	10.1	10.1	9	86	86	819746	804589	<0.2	1.1	1.1	1.1
											4.2	0.4	0	23.7	23.7	8.0	8.0	31.5	31.5	94.0	94.0	6.7	6.7	11.6	11.6	10	89	89	819746	804589	<0.2	1.2	1.2	1.2
					Middle	4.2	0.5	0	23.6	23.6	8.0	8.0	31.5	31.5	94.0	94.0	6.7	6.7	12.0	12.0	9	89	89	819746	804589	<0.2	1.2	1.2	1.2					
						7.3	0.4	3	23.6	23.6	8.0	8.0	31.5	31.5	93.8	93.8	6.6	6.6	15.2	15.2	10	89	89	819746	804589	<0.2	1.2	1.2	1.2					
						7.3	0.5	3	23.6	23.6	8.0	8.0	31.5	31.5	93.8	93.8	6.6	6.6	15.3	15.3	10	90	89	819746	804589	<0.2	1.1	1.1	1.1					
					IM5	Fine	Moderate	08:11	8.1	Surface	1.0	0.7	9	23.7	23.7	8.1	8.1	31.1	31.1	94.4	94.4	6.7	6.7	8.4	8.4	4	84	85	820750	804862	<0.2	1.2	1.2	1.2
											1.0	0.8	9	23.7	23.7	8.1	8.1	31.1	31.1	94.4	94.4	6.7	6.7	8.7	8.7	5	85	88	820750	804862	<0.2	1.1	1.1	1.1
											4.1	0.7	12	23.7	23.7	8.0	8.0	31.1	31.1	94.1	94.1	6.7	6.7	10.6	10.6	5	88	88	820750	804862	<0.2	1.2	1.2	1.2
Middle	4.1	0.7	12	23.7						23.7	8.0	8.0	31.1	31.1	94.1	94.1	6.7	6.7	10.2	10.2	6	88	88	820750	804862	<0.2	1.1	1.1	1.1					
	7.1	0.5	17	23.7						23.7	8.0	8.0	31.1	31.1	94.1	94.1	6.7	6.7	11.0	11.0	5	89	89	820750	804862	<0.2	1.1	1.1	1.1					
	7.1	0.5	17	23.7						23.7	8.0	8.0	31.1	31.1	94.1	94.1	6																	

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

Water Quality Monitoring Results on 10 April 21 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								
IM9	Fine	Moderate	07:27	7.6	Surface	1.0	0.3	36	23.8	23.8	8.0	8.0	30.8	30.8	92.7	92.7	6.6	6.6	3.1	3.1	5	5	82	82	822113	808804	<0.2	1.1	<0.2	1.1							
						1.0	0.3	39	23.8	8.0	8.0	30.8	30.8	92.7	92.7	6.6	6.6	3.1	3.1	6	6	82	82	<0.2			1.1	<0.2	1.1								
						3.8	0.1	65	23.8	8.0	8.0	30.9	30.9	92.4	92.4	6.5	6.5	3.3	3.3	6	6	85	85	<0.2			1.2	<0.2	1.2								
					Middle	3.8	0.2	69	23.8	23.8	8.0	8.0	30.9	30.9	92.4	92.4	6.5	6.5	3.4	3.4	7	7	86	86			<0.2	1.0	<0.2	1.0							
						6.6	0.2	90	23.7	23.7	8.1	8.1	31.0	31.0	92.2	92.2	6.5	6.5	5.3	5.3	7	7	89	89			<0.2	1.2	<0.2	1.2							
						6.6	0.2	91	23.7	23.7	8.1	8.1	31.0	31.0	92.2	92.2	6.5	6.5	5.4	5.4	7	7	89	89			<0.2	1.1	<0.2	1.1							
					IM10	Fine	Moderate	07:18	8.6	Surface	1.0	0.6	297	23.7	23.7	8.0	8.0	31.4	31.4	90.2	90.2	6.4	6.4	5.3			5.3	11	11	82	82	822384	809772	<0.2	1.0	<0.2	1.0
											1.0	0.6	324	23.7	23.7	8.0	8.0	31.4	31.4	90.2	90.2	6.4	6.4	5.4			5.4	10	10	82	82			<0.2	1.0	<0.2	1.0
											4.3	0.5	292	23.7	23.7	8.0	8.0	31.3	31.3	90.0	90.0	6.4	6.4	5.7			5.7	9	9	86	86			<0.2	1.0	<0.2	1.0
Middle	4.3	0.6	303	23.7						23.7	8.0	8.0	31.3	31.3	90.0	90.0	6.4	6.4	5.8	5.8	10	10	86	86	<0.2	1.0	<0.2	1.0									
	7.6	0.5	295	23.7						23.7	8.1	8.1	31.3	31.3	90.2	90.2	6.4	6.4	6.9	6.9	8	8	89	89	<0.2	1.0	<0.2	1.0									
	7.6	0.5	305	23.7						23.7	8.1	8.1	31.3	31.3	90.3	90.3	6.4	6.4	6.8	6.8	9	9	89	89	<0.2	1.0	<0.2	1.0									
IM11	Fine	Moderate	07:08	9.1						Surface	1.0	0.5	274	23.7	23.7	8.0	8.0	31.5	31.5	90.9	90.9	6.4	6.4	5.0	5.0	10	10	82	82	822044	811479			<0.2	1.2	<0.2	1.1
											1.0	0.5	300	23.7	23.7	8.0	8.0	31.5	31.5	90.9	90.9	6.4	6.4	5.0	5.0	10	10	82	82					<0.2	1.1	<0.2	1.1
											4.6	0.4	283	23.7	23.7	8.0	8.0	31.5	31.5	90.1	90.1	6.4	6.4	5.3	5.3	9	9	86	86					<0.2	1.1	<0.2	1.1
					Middle	4.6	0.4	299	23.7	23.7	8.0	8.0	31.5	31.5	90.0	90.0	6.4	6.4	5.3	5.3	10	10	86	86	<0.2	1.1	<0.2	1.1									
						8.1	0.4	275	23.8	23.8	8.0	8.0	32.0	32.0	88.7	88.8	6.2	6.2	5.3	5.3	8	8	89	89	<0.2	1.1	<0.2	1.1									
						8.1	0.5	275	23.8	23.8	8.0	8.0	32.0	32.0	88.9	88.9	6.2	6.2	5.3	5.3	9	9	89	89	<0.2	1.1	<0.2	1.1									
					IM12	Fine	Moderate	07:00	9.4	Surface	1.0	1.8	51	23.8	23.8	8.0	8.0	31.4	31.4	90.3	90.3	6.4	6.4	6.1	6.1	10	10	83	83			821444	812066	<0.2	1.0	<0.2	1.1
											1.0	1.9	55	23.8	23.8	8.0	8.0	31.4	31.4	90.3	90.3	6.4	6.4	6.1	6.1	11	11	83	83					<0.2	1.1	<0.2	1.1
											4.7	1.8	50	23.8	23.8	8.0	8.0	31.4	31.4	90.2	90.2	6.4	6.4	6.3	6.3	10	10	86	86					<0.2	1.1	<0.2	1.1
Middle	4.7	1.9	50	23.8						23.8	8.0	8.0	31.4	31.4	90.2	90.2	6.4	6.4	6.3	6.3	11	11	86	86	<0.2	1.0	<0.2	1.0									
	8.4	2.0	53	23.7						23.7	8.0	8.0	31.4	31.4	90.4	90.4	6.4	6.4	7.7	7.7	11	11	90	90	<0.2	1.1	<0.2	1.1									
	8.4	2.1	53	23.7						23.7	8.0	8.0	31.4	31.4	90.4	90.4	6.4	6.4	7.7	7.7	12	12	90	90	<0.2	1.0	<0.2	1.0									
SR1A	Cloudy	Calm	06:24	5.2						Surface	1.0	-	-	23.6	23.6	8.0	8.0	31.2	31.2	87.7	87.8	6.2	6.2	2.9	2.9	5	5	-	-	819982	812655			-	-	-	-
											1.0	-	-	23.6	23.6	8.0	8.0	31.2	31.2	87.8	87.8	6.2	6.2	2.9	2.9	6	6	-	-					-	-		
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
						4.2	-	-	23.5	23.5	7.9	7.9	31.2	31.2	89.5	89.5	6.4	6.4	3.6	3.6	3	3	-	-	-	-	-	-	-			-					
						4.2	-	-	23.5	23.5	7.9	7.9	31.2	31.2	89.5	89.5	6.4	6.4	3.7	3.7	3	3	-	-	-	-	-	-	-			-					
					SR2	Cloudy	Moderate	06:07	5.1	Surface	1.0	0.3	326	23.8	23.8	8.0	8.0	31.5	31.5	89.4	89.4	6.3	6.3	5.2	5.2	11	11	84	84			821440	814161	<0.2	1.1	<0.2	1.0
											1.0	0.3	332	23.8	23.8	8.0	8.0	31.5	31.5	89.4	89.4	6.3	6.3	5.2	5.2	12	12	85	85					<0.2	1.0	<0.2	1.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	4.1	0.2	327	23.8						23.8	8.1	8.1	31.5	31.5	89.9	89.9	6.4	6.4	6.1	6.1	10	10	87	87	<0.2	1.1	<0.2	1.1									
	4.1	0.2	355	23.8						23.8	8.1	8.1	31.5	31.5	89.9	89.9	6.4	6.4	6.1	6.1	10	10	88	88	<0.2	1.0	<0.2	1.0									
SR3	Fine	Moderate	07:38	9.1						Surface	1.0	0.0	231	23.9	23.9	8.0	8.0	30.5	30.6	92.9	93.0	6.6	6.6	3.9	3.9	6	6	-	-	822135	807563			-	-	-	-
											1.0	0.0	246	23.9	23.9	8.0	8.0	30.6	30.6	93.0	93.0	6.6	6.6	4.1	4.1	6	6	-	-					-	-		
											4.6	0.1	46	23.7	23.7	8.0	8.0	31.3	31.3	93.2	93.2	6.6	6.6	4.5	4.5	5	5	-	-					-	-		
					Middle	4.6	0.1	47	23.7	23.7	8.0	8.0	31.3	31.3	93.2	93.2	6.6	6.6	4.5	4.5	6	6	-	-	-	-											
						8.1	0.2	53	23.5	23.5	8.1	8.0	32.1	32.1	93.3	93.3	6.6	6.6	5.4	5.4	6	6	-	-	-	-											
						8.1	0.2	57	23.5	23.5	8.0	8.0	32.1	32.1	93.3	93.3	6.6	6.6	5.3	5.3	6	6	-	-	-	-											
					SR4A	Fine	Moderate	07:00	8.8	Surface	1.0	0.5	70	23.6	23.6	8.0	8.0	31.2	31.2	93.8	93.8	6.7	6.7	5.0	5.0	6	6	-	-			817168	807815	-	-	-	-
											1.0	0.5	70	23.6	23.6	8.0	8.0	31.2	31.2	93.8	93.8	6.7	6.7	5.0	5.0	7	7	-	-					-	-		
											4.4	0.4	76	23.6	23.6	8.0	8.0	31.2	31.2	93.5	93.5	6.6	6.6	5.8	5.8	8	8	-	-					-	-		
Middle	4.4	0.4	78	23.6						23.6	8.0	8.0	31.2	31.2	93.5	93.5	6.6	6.6	5.8	5.8	8	8	-	-	-	-											
	7.8	0.3	80	23.6						23.6	8.0	8.0	31.3	31.3	93.3	93.3	6.6	6.6	6.7	6.7	10	10	-	-	-	-											
	7.8	0.3	84	23.5						23.6	8.0	8.0	31.3	31.3	93.3	93.3	6.6	6.6	6.4	6.4	9	9	-	-	-	-											
SR5A	Fine	Moderate	06:40	3.8						Surface	1.0	0.1	113	23.5	23.5	7.9	7.9	29.9	29.9	90.4	90.5	6.5	6.5	3.7	3.7	11	11	-	-	816600	810692			-	-	-	-
											1.0	0.1	115	23.5	23.5	7.9	7.9	29.9	29.9	90.6	90.6	6.5	6.5	3.8	3.8	12	12	-	-					-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						2.8	0.1	114	23.4	23.4	7.9	7.9	29.9	29.9	91.3	91.5	6.6	6.6	4.0	4.0	15	15	-	-	-	-											
						2.8	0.1	125	23.4	23.4																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 April 21 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	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
C1	Sunny	Moderate	13:24	8.0	Surface	1.0	0.4	216	24.3	24.3	8.1	8.1	31.7	31.7	103.9	103.8	7.2	7.2	4.1	4.1	6	6	88	88	91	815596	804232	<0.2	1.1	<0.2	1.0					
						1.0	0.4	236	24.3	24.3	8.1	8.1	31.7	31.7	103.7	103.7	7.2	7.2	4.1	4.1	5	5	89	89	91	815596	804232	<0.2	1.0	<0.2	1.0					
						4.0	0.5	224	24.2	24.1	8.1	8.1	32.5	32.6	98.2	98.0	6.8	6.8	7.9	7.9	5	5	92	92	91	815596	804232	<0.2	1.0	<0.2	1.0					
					Middle	4.0	0.5	227	24.1	24.1	8.1	8.1	32.6	32.6	97.7	97.7	6.8	6.8	8.0	8.0	6	6	93	93	91	815596	804232	<0.2	1.0	<0.2	1.0					
						7.0	0.4	219	24.0	24.0	8.1	8.1	32.8	32.8	97.1	97.1	6.8	6.8	9.4	9.4	7	7	93	93	91	815596	804232	<0.2	1.0	<0.2	1.0					
						7.0	0.4	236	24.0	24.0	8.1	8.1	32.8	32.8	97.1	97.1	6.8	6.8	9.3	9.3	7	7	93	93	91	815596	804232	<0.2	1.0	<0.2	1.0					
					C2	Misty	Calm	12:11	12.0	Surface	1.0	0.6	180	24.8	24.8	8.2	8.2	28.8	28.8	102.3	102.1	7.2	7.2	1.9	1.9	4	4	88	88	90	825690	806922	<0.2	1.1	<0.2	1.0
											1.0	0.7	184	24.8	24.8	8.2	8.2	28.9	28.9	101.9	101.9	7.2	7.2	1.9	1.9	3	3	88	88	90	825690	806922	<0.2	1.0	<0.2	1.0
											6.0	0.3	166	24.5	24.5	8.2	8.2	29.9	29.9	91.5	91.4	6.4	6.4	3.4	3.4	4	4	90	90	90	825690	806922	<0.2	1.0	<0.2	1.0
Middle	6.0	0.3	175	24.4						24.4	8.2	8.2	30.0	30.0	91.3	91.3	6.4	6.4	3.3	3.3	3	3	90	90	90	825690	806922	<0.2	1.0	<0.2	1.0					
	11.0	0.2	115	24.4						24.4	8.3	8.3	30.1	30.1	90.7	90.8	6.4	6.4	4.6	4.6	5	5	93	93	90	825690	806922	<0.2	1.0	<0.2	1.0					
	11.0	0.2	120	24.4						24.4	8.3	8.3	30.1	30.1	90.9	90.8	6.4	6.4	4.6	4.6	5	5	93	93	90	825690	806922	<0.2	1.0	<0.2	1.2					
C3	Misty	Calm	14:08	12.0						Surface	1.0	2.5	341	24.8	24.8	8.2	8.2	29.7	29.7	99.9	99.9	7.0	7.0	3.4	3.4	5	5	85	85	89	822098	817824	<0.2	1.2	<0.2	1.3
											1.0	2.7	354	24.8	24.8	8.2	8.2	29.7	29.7	99.8	99.8	7.0	7.0	3.3	3.3	6	6	85	85	89	822098	817824	<0.2	1.2	<0.2	1.3
											6.0	2.5	342	24.7	24.7	8.2	8.2	29.8	29.8	98.3	98.1	6.9	6.9	4.1	4.1	6	6	88	88	89	822098	817824	<0.2	1.2	<0.2	1.2
					Middle	6.0	2.7	315	24.7	24.7	8.2	8.2	29.9	29.9	97.8	97.8	6.9	6.9	4.1	4.1	6	6	89	89	89	822098	817824	<0.2	1.2	<0.2	1.2					
						11.0	2.8	344	24.4	24.4	8.2	8.2	30.3	30.3	91.7	91.8	6.5	6.5	6.7	6.7	6	6	93	93	89	822098	817824	<0.2	1.2	<0.2	1.2					
						11.0	2.9	355	24.4	24.4	8.2	8.2	30.3	30.3	91.8	91.8	6.5	6.5	6.6	6.6	5	5	93	93	89	822098	817824	<0.2	1.2	<0.2	1.2					
					IM1	Sunny	Moderate	13:02	5.0	Surface	1.0	0.1	193	25.3	25.3	8.1	8.1	32.0	32.0	112.1	112.1	7.7	7.7	5.4	5.4	6	6	85	85	88	817927	807124	<0.2	0.8	<0.2	0.9
											1.0	0.1	197	25.3	25.3	8.1	8.1	32.0	32.0	112.1	112.1	7.7	7.7	5.5	5.5	5	5	86	86	88	817927	807124	<0.2	0.9	<0.2	0.9
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.0	0.1	213	24.8						24.8	8.0	8.0	32.1	32.1	102.3	102.3	7.1	7.1	7.8	7.8	4	4	90	90	88	817927	807124	<0.2	1.0	<0.2	1.0					
	4.0	0.1	233	24.8						24.8	8.0	8.0	32.1	32.1	102.3	102.3	7.1	7.1	7.8	7.8	3	3	91	91	88	817927	807124	<0.2	1.0	<0.2	1.0					
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Sunny	Moderate	12:55	6.9						Surface	1.0	0.2	167	25.3	25.3	8.1	8.1	31.8	31.8	105.0	104.9	7.2	7.2	4.4	4.4	3	3	85	85	88	818139	806164	<0.2	0.8	<0.2	0.9
											1.0	0.2	170	25.3	25.3	8.1	8.1	31.9	31.8	104.7	104.7	7.2	7.2	4.4	4.4	3	3	85	85	88	818139	806164	<0.2	0.9	<0.2	0.9
											3.5	0.2	170	24.6	24.6	8.1	8.1	32.1	32.1	99.3	99.2	6.9	6.9	5.4	5.4	4	4	89	89	88	818139	806164	<0.2	0.9	<0.2	0.9
					Middle	3.5	0.2	176	24.6	24.6	8.1	8.1	32.1	32.1	99.1	99.1	6.9	6.9	5.3	5.3	4	4	90	90	88	818139	806164	<0.2	0.9	<0.2	0.9					
						5.9	0.2	170	24.4	24.4	8.1	8.1	32.4	32.4	97.8	97.8	6.8	6.8	7.2	7.2	4	4	90	90	88	818139	806164	<0.2	0.9	<0.2	0.9					
						5.9	0.2	180	24.4	24.4	8.1	8.1	32.4	32.4	97.7	97.7	6.8	6.8	7.1	7.1	4	4	91	91	88	818139	806164	<0.2	0.9	<0.2	0.9					
					IM3	Sunny	Moderate	12:48	7.2	Surface	1.0	0.3	141	24.9	24.8	8.1	8.1	31.9	31.9	102.3	102.3	7.1	7.1	5.0	5.0	4	4	88	87	90	818139	805584	<0.2	1.1	<0.2	1.3
											1.0	0.3	152	24.8	24.8	8.1	8.1	31.9	31.9	102.2	102.2	7.1	7.1	5.0	5.0	4	4	87	87	90	818139	805584	<0.2	1.1	<0.2	1.3
											3.6	0.2	151	24.7	24.7	8.1	8.1	32.1	32.1	100.4	100.4	7.0	7.0	5.9	5.9	4	4	90	90	88	818139	805584	<0.2	1.2	<0.2	1.2
Middle	3.6	0.2	163	24.7						24.7	8.1	8.1	32.1	32.1	100.3	100.3	7.0	7.0	5.9	5.9	4	4	91	91	88	818139	805584	<0.2	0.9	<0.2	0.9					
	6.2	0.1	124	24.4						24.4	8.0	8.0	32.4	32.4	98.3	98.5	6.8	6.8	7.6	7.6	5	5	91	91	88	818139	805584	<0.2	1.0	<0.2	1.0					
	6.2	0.1	132	24.4						24.4	8.0	8.0	32.3	32.4	98.7	98.5	6.9	6.9	7.5	7.5	4	4	91	91	88	818139	805584	<0.2	1.1	<0.2	1.1					
IM4	Sunny	Moderate	12:40	8.5						Surface	1.0	0.5	195	25.2	25.1	8.1	8.1	30.2	30.2	102.1	102.0	7.1	7.1	3.7	3.7	5	5	87	87	89	819734	804591	<0.2	0.9	<0.2	0.9
											1.0	0.6	200	25.1	25.1	8.1	8.1	30.3	30.2	101.8	101.8	7.1	7.1	3.7	3.7	6	6	87	87	89	819734	804591	<0.2	0.9	<0.2	0.9
											4.3	0.4	178	24.6	24.6	8.0	8.0	31.7	31.7	98.6	98.7	6.9	6.9	5.2	5.2	5	5	89	89	88	819734	804591	<0.2	0.9	<0.2	0.8
					Middle	4.3	0.4	179	24.6	24.6	8.0	8.0	31.7	31.7	98.7	98.7	6.9	6.9	5.3	5.3	4	4	90	90	88	819734	804591	<0.2	0.9	<0.2	0.8					
						7.5	0.2	169	24.4	24.4	8.0	8.0	32.3	32.3	96.8	96.8	6.7	6.7	6.6	6.6	3	3	91	91	88	819734	804591	<0.2	0.9	<0.2	0.9					
						7.5	0.2	184	24.4	24.4	8.0	8.0	32.3	32.3	96.8	96.8	6.7	6.7	6.5	6.5	4	4	91	91	88	819734	804591	<0.2	0.9	<0.2	0.9					
					IM5	Sunny	Moderate	12:32	8.1	Surface	1.0	0.4	210	25.2	25.2	8.1	8.1	30.2	30.2	105.7	105.7	7.3	7.3	2.6	2.6	3	3	87	86	89	820741	804867	<0.2	0.8	<0.2	1.0
											1.0	0.4	214	25.2	25.2	8.1	8.1	30.2	30.2	105.7	105.7	7.3	7.3	2.7	2.7	3	3	86	86	89	820741	804867	<0.2	1.0	<0.2	

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

Water Quality Monitoring Results on 13 April 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
IM9	Misty	Calm	12:41	7.4	Surface	1.0	2.7	201	24.9	24.9	8.2	8.2	28.7	28.8	106.2	106.0	7.5	7.4	4.0	3	87	90	90	822091	808794	<0.2	1.4	<0.2	1.4						
						3.0	2.16	24.9	8.2	28.9	105.8	106.0	7.4	4.0	87	90	90	822091	808794	<0.2	1.4	<0.2	1.4												
						3.7	2.8	201	24.8	8.2	8.2	29.4	29.4	98.2	98.1	6.9	6.9	4.5	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91		
					Middle	3.7	3.0	205	24.8	24.8	8.2	8.2	29.4	29.4	98.0	98.1	6.9	6.9	4.5	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
						6.4	2.5	201	24.9	24.9	8.1	8.1	30.0	30.0	98.0	98.2	6.8	6.9	5.8	3	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
						6.4	2.6	205	24.9	24.9	8.1	8.1	29.9	30.0	98.3	98.2	6.9	6.9	5.8	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
					Bottom	6.4	2.5	201	24.9	24.9	8.1	8.1	30.0	30.0	98.0	98.2	6.8	6.9	5.8	3	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
						6.4	2.6	205	24.9	24.9	8.1	8.1	29.9	30.0	98.3	98.2	6.9	6.9	5.8	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
						6.4	2.6	205	24.9	24.9	8.1	8.1	29.9	30.0	98.3	98.2	6.9	6.9	5.8	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
IM10	Misty	Calm	12:47	7.8	Surface	1.0	2.7	193	25.3	25.3	8.1	8.1	28.3	28.4	107.3	107.2	7.5	7.5	1.6	3	86	90	90	822364	809811	<0.2	1.4	<0.2	1.4						
						1.0	2.9	196	25.2	25.2	8.1	8.1	28.5	28.4	107.0	107.2	7.5	7.5	1.5	4	87	91	91	822364	809811	<0.2	1.4	<0.2	1.4						
						3.9	2.8	195	24.7	24.7	8.1	8.1	29.5	29.5	96.9	96.9	6.8	6.8	3.6	5	91	91	91	822364	809811	<0.2	1.4	<0.2	1.4						
					Middle	3.9	2.8	212	24.7	24.7	8.1	8.1	29.5	29.5	96.9	96.9	6.8	6.8	3.6	4	91	91	91	822364	809811	<0.2	1.4	<0.2	1.4						
						6.8	2.7	195	24.8	24.8	8.1	8.1	29.7	29.7	95.5	95.5	6.7	6.7	4.2	4	92	92	92	822364	809811	<0.2	1.4	<0.2	1.4						
						6.8	2.9	198	24.8	24.8	8.1	8.1	29.7	29.7	95.5	95.5	6.7	6.7	4.1	5	92	92	92	822364	809811	<0.2	1.4	<0.2	1.4						
					Bottom	6.8	2.7	195	24.8	24.8	8.1	8.1	29.7	29.7	95.5	95.5	6.7	6.7	4.2	4	92	92	92	822364	809811	<0.2	1.4	<0.2	1.4						
						6.8	2.9	198	24.8	24.8	8.1	8.1	29.7	29.7	95.5	95.5	6.7	6.7	4.1	5	92	92	92	822364	809811	<0.2	1.4	<0.2	1.4						
						6.8	2.9	198	24.8	24.8	8.1	8.1	29.7	29.7	95.5	95.5	6.7	6.7	4.1	5	92	92	92	822364	809811	<0.2	1.4	<0.2	1.4						
IM11	Misty	Calm	12:56	9.4	Surface	1.0	3.1	74	25.2	25.2	8.2	8.2	28.6	28.7	106.9	106.8	7.5	7.5	2.5	6	84	88	90	822044	811436	<0.2	1.4	<0.2	1.4						
						1.0	3.1	77	25.1	25.1	8.2	8.2	28.7	28.7	106.7	106.8	7.5	7.5	2.4	7	84	88	90	822044	811436	<0.2	1.4	<0.2	1.4						
						4.7	2.8	75	24.6	24.6	8.2	8.2	29.6	29.6	93.7	93.6	6.6	6.6	3.8	5	88	92	92	822044	811436	<0.2	1.4	<0.2	1.4						
					Middle	4.7	3.1	77	24.6	24.6	8.2	8.2	29.6	29.6	93.5	93.6	6.6	6.6	3.8	6	88	92	92	822044	811436	<0.2	1.4	<0.2	1.4						
						8.4	3.2	77	24.6	24.6	8.2	8.2	29.7	29.7	92.6	92.7	6.5	6.5	4.1	6	93	93	93	822044	811436	<0.2	1.4	<0.2	1.4						
						8.4	3.4	83	24.6	24.6	8.2	8.2	29.7	29.7	92.8	92.7	6.5	6.5	4.2	5	97	97	97	822044	811436	<0.2	1.4	<0.2	1.4						
					Bottom	8.4	3.2	77	24.6	24.6	8.2	8.2	29.7	29.7	92.6	92.7	6.5	6.5	4.1	6	93	93	93	822044	811436	<0.2	1.4	<0.2	1.4						
						8.4	3.4	83	24.6	24.6	8.2	8.2	29.7	29.7	92.8	92.7	6.5	6.5	4.2	5	97	97	97	822044	811436	<0.2	1.4	<0.2	1.4						
						8.4	3.4	83	24.6	24.6	8.2	8.2	29.7	29.7	92.8	92.7	6.5	6.5	4.2	5	97	97	97	822044	811436	<0.2	1.4	<0.2	1.4						
IM12	Misty	Calm	13:01	9.6	Surface	1.0	2.5	70	25.0	25.0	8.1	8.1	28.7	28.7	104.3	104.1	7.3	7.3	3.0	5	86	86	89	821462	812059	<0.2	1.3	<0.2	1.5						
						1.0	2.7	70	24.9	24.9	8.1	8.1	28.8	28.7	103.9	103.9	7.3	7.3	2.9	6	86	87	90	821462	812059	<0.2	1.4	<0.2	1.4						
						4.8	2.6	68	24.8	24.8	8.1	8.1	29.2	29.2	96.7	96.7	6.8	6.8	3.4	6	87	90	92	821462	812059	<0.2	1.4	<0.2	1.3						
					Middle	4.8	2.8	68	24.8	24.8	8.1	8.1	29.2	29.2	96.7	96.7	6.8	6.8	3.5	5	87	90	92	821462	812059	<0.2	1.4	<0.2	1.3						
						8.6	2.7	59	24.8	24.8	8.1	8.1	29.2	29.2	96.4	96.4	6.8	6.8	5.0	4	92	92	92	821462	812059	<0.2	1.3	<0.2	1.4						
						8.6	2.8	62	24.8	24.8	8.1	8.1	29.2	29.2	96.4	96.4	6.8	6.8	5.1	5	92	92	92	821462	812059	<0.2	1.4	<0.2	1.4						
					Bottom	8.6	2.7	59	24.8	24.8	8.1	8.1	29.2	29.2	96.4	96.4	6.8	6.8	5.0	4	92	92	92	821462	812059	<0.2	1.3	<0.2	1.4						
						8.6	2.8	62	24.8	24.8	8.1	8.1	29.2	29.2	96.4	96.4	6.8	6.8	5.1	5	92	92	92	821462	812059	<0.2	1.4	<0.2	1.4						
						8.6	2.8	62	24.8	24.8	8.1	8.1	29.2	29.2	96.4	96.4	6.8	6.8	5.1	5	92	92	92	821462	812059	<0.2	1.4	<0.2	1.4						
SR1A	Misty	Calm	13:34	4.0	Surface	1.0	-	-	25.3	25.3	8.1	8.1	28.3	28.3	107.7	107.7	7.5	7.5	1.5	11	-	-	-	819971	812656	-	-	-	-						
						1.0	-	-	25.3	25.3	8.1	8.1	28.4	28.3	107.6	107.6	7.5	7.5	1.5	12	-	-	-	819971	812656	-	-	-	-						
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819971	812656	-	-	-	-				
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819971	812656	-	-	-	-				
						3.0	-	-	25.1	25.1	8.1	8.1	29.0	29.0	102.6	102.6	7.2	7.2	2.4	10	-	-	-	-	-	819971	812656	-	-	-	-				
						3.0	-	-	25.1	25.1	8.1	8.1	29.0	29.0	102.5	102.5	7.2	7.2	2.4	9	-	-	-	-	-	819971	812656	-	-	-	-				
					Bottom	3.0	-	-	25.1	25.1	8.1	8.1	29.0	29.0	102.5	102.5	7.2	7.2	2.4	9	-	-	-	-	-	819971	812656	-	-	-	-				
						3.0	-	-	25.1	25.1	8.1	8.1	29.0	29.0	102.5	102.5	7.2	7.2	2.4	9	-	-	-	-	-	819971	812656	-	-	-	-				
						3.0	-	-	25.1	25.1	8.1	8.1	29.0	29.0	102.5	102.5	7.2	7.2	2.4	9	-	-	-	-	-	819971	812656	-	-	-	-				
SR2	Misty	Calm	13:48	4.6	Surface	1.0	0.4	88	25.0	25.0	8.2	8.2	29.1	29.2	100.1	99.9	7.0	7.0	2.7	10	90	90	91	821459	814146	<0.2	1.3	<0.2	1.3						
						1.0	0.4	95	25.0	25.0	8.2	8.2	29.1	29.2	99.6	99.9	7.0	7.0	2.8	10	90	90	91	821459	814146	<0.2	1.3	<0.2	1.3						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821459	814146	<0.2	1.3	<0.2	1.3				
					Middle	-	-	-	-																										

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

Water Quality Monitoring Results on 13 April 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)						
						Speed (m/s)	Direction	Value	Average	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	Value	DA	Value	DA	Value	DA	
C1	Fine	Moderate	08:10	8.6	Surface	1.0	0.7	37	24.1	24.1	8.1	8.1	32.4	32.4	98.4	98.4	6.9	6.9	7.6	7.6	5	5	85	85	87	815619	804266	<0.2	1.0	<0.2	0.9			
						1.0	0.7	38	24.1	24.1	8.1	8.1	32.4	32.4	98.4	98.4	6.9	6.9	7.8	7.8	5	5	85	85	87	815619	804266	<0.2	1.0	<0.2	0.9			
						4.3	0.7	38	24.0	24.0	8.1	8.1	32.9	32.9	96.6	96.6	6.7	6.7	8.4	8.4	4	4	88	88	88	815619	804266	<0.2	1.2	<0.2	1.1			
					Middle	4.3	0.7	39	24.0	24.0	8.1	8.1	32.9	32.9	96.9	96.9	6.8	6.8	8.3	8.3	11	11	88	88	88	815619	804266	<0.2	1.1	<0.2	1.3			
						7.6	0.7	38	24.0	24.0	8.0	8.0	33.0	33.0	95.9	95.9	6.7	6.7	9.1	9.1	10	10	89	89	89	815619	804266	<0.2	1.3	<0.2	1.0			
						7.6	0.7	38	24.0	24.0	8.0	8.0	33.0	33.0	96.1	96.1	6.7	6.7	9.2	9.2	11	11	89	89	89	815619	804266	<0.2	1.0	<0.2	1.0			
					C2	Misty	Calm	08:58	12.0	Surface	1.0	2.0	90	24.7	24.7	8.0	8.0	27.3	27.3	98.1	98.1	6.7	6.7	1.1	1.1	5	5	87	825685	806949	<0.2	1.5	<0.2	1.6
											1.0	2.2	88	24.7	24.7	8.0	8.0	27.3	27.3	97.7	97.7	7.0	7.0	1.0	1.0	4	4	88	825685	806949	<0.2	1.5	<0.2	1.6
											6.0	2.1	86	24.6	24.6	8.0	8.0	27.8	27.8	94.8	94.8	6.7	6.7	2.9	2.9	4	4	90	825685	806949	<0.2	1.6	<0.2	1.6
Middle	6.0	2.3	88	24.6						24.6	8.0	8.0	27.8	27.8	94.7	94.7	6.7	6.7	2.9	2.9	4	4	91	825685	806949	<0.2	1.6	<0.2	1.6					
	11.0	2.0	91	24.6						24.6	8.0	8.0	28.0	28.0	94.9	94.9	6.7	6.7	3.2	3.2	3	3	93	825685	806949	<0.2	1.6	<0.2	1.6					
	11.0	2.1	99	24.6						24.6	8.0	8.0	28.0	28.0	95.1	95.1	6.7	6.7	3.1	3.1	4	4	93	825685	806949	<0.2	1.6	<0.2	1.6					
C3	Misty	Calm	07:02	12.0						Surface	1.0	1.9	324	24.3	24.3	8.0	8.0	30.0	30.0	95.0	95.0	6.7	6.7	2.5	2.5	5	5	84	822108	817811	<0.2	1.4	<0.2	1.4
											1.0	1.9	339	24.3	24.3	8.0	8.0	30.1	30.1	94.7	94.7	6.7	6.7	2.5	2.5	6	6	85	822108	817811	<0.2	1.4	<0.2	1.4
											6.0	1.9	321	24.2	24.2	8.0	8.0	30.5	30.5	89.1	89.1	6.3	6.3	4.0	4.0	5	5	89	822108	817811	<0.2	1.4	<0.2	1.4
					Middle	6.0	1.9	343	24.2	24.2	8.0	8.0	30.5	30.5	89.1	89.1	6.3	6.3	4.1	4.1	6	6	89	822108	817811	<0.2	1.4	<0.2	1.4					
						11.0	1.8	325	24.2	24.2	8.0	8.0	30.6	30.6	90.2	90.2	6.4	6.4	5.8	5.8	6	6	91	822108	817811	<0.2	1.4	<0.2	1.4					
						11.0	1.8	355	24.2	24.2	8.0	8.0	30.5	30.5	90.3	90.3	6.4	6.4	5.8	5.8	7	7	91	822108	817811	<0.2	1.4	<0.2	1.4					
					IM1	Fine	Moderate	08:29	5.4	Surface	1.0	0.1	343	24.6	24.6	8.0	8.0	32.0	32.0	99.5	99.5	6.9	6.9	3.3	3.3	12	12	84	817933	807129	<0.2	1.0	<0.2	1.0
											1.0	0.1	316	24.6	24.6	8.0	8.0	32.0	32.0	99.5	99.5	6.9	6.9	3.3	3.3	3	3	85	817933	807129	<0.2	1.0	<0.2	1.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.4	0.1	344	24.7						24.7	8.0	8.0	32.2	32.2	98.4	98.4	6.8	6.8	4.6	4.6	4	4	88	817933	807129	<0.2	1.0	<0.2	1.0					
	4.4	0.1	316	24.7						24.7	8.0	8.0	32.2	32.2	98.7	98.7	6.8	6.8	4.5	4.5	8	8	85	817933	807129	<0.2	1.1	<0.2	1.1					
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Fine	Moderate	08:37	7.3						Surface	1.0	0.3	359	24.6	24.6	8.0	8.0	32.0	32.0	100.8	100.8	7.0	7.0	6.8	6.8	5	5	85	818164	806188	<0.2	1.7	<0.2	1.3
											1.0	0.3	330	24.6	24.6	8.0	8.0	32.0	32.0	100.8	100.8	7.0	7.0	6.8	6.8	4	4	88	818164	806188	<0.2	1.3	<0.2	1.3
											3.7	0.3	354	24.6	24.6	8.0	8.0	32.0	32.0	101.0	101.0	7.0	7.0	6.9	6.9	4	4	89	818164	806188	<0.2	1.8	<0.2	1.8
					Middle	3.7	0.3	326	24.6	24.6	8.0	8.0	32.0	32.0	99.8	99.8	6.9	6.9	7.0	7.0	4	4	89	818164	806188	<0.2	1.2	<0.2	1.2					
						6.3	0.2	351	24.6	24.6	8.0	8.0	32.0	32.0	99.3	99.3	6.9	6.9	8.5	8.5	6	6	90	818164	806188	<0.2	1.5	<0.2	1.5					
						6.3	0.3	323	24.6	24.6	8.0	8.0	32.0	32.0	99.4	99.4	6.9	6.9	8.5	8.5	5	5	85	818164	806188	<0.2	1.7	<0.2	1.7					
					IM3	Fine	Moderate	08:45	7.4	Surface	1.0	0.4	343	24.6	24.6	8.0	8.0	31.9	31.9	99.6	99.7	6.9	6.9	7.6	7.6	6	6	86	818776	805596	<0.2	0.8	<0.2	1.1
											1.0	0.4	348	24.6	24.6	8.0	8.0	31.9	31.9	99.7	99.7	6.9	6.9	7.9	7.9	7	7	88	818776	805596	<0.2	1.1	<0.2	1.1
											3.7	0.4	341	24.5	24.5	8.0	8.0	31.9	31.9	98.7	98.8	6.9	6.9	9.2	9.2	7	7	89	818776	805596	<0.2	1.4	<0.2	1.4
Middle	3.7	0.4	314	24.5						24.5	8.0	8.0	31.9	31.9	98.8	98.8	6.9	6.9	9.2	9.2	6	6	90	818776	805596	<0.2	1.0	<0.2	1.0					
	6.4	0.3	345	24.5						24.5	8.0	8.0	31.9	31.9	97.9	97.9	6.8	6.8	10.0	10.0	5	5	91	818776	805596	<0.2	1.0	<0.2	1.0					
	6.4	0.4	358	24.5						24.5	8.0	8.0	31.9	31.9	97.9	97.9	6.8	6.8	10.1	10.1	6	6	86	818776	805596	<0.2	2.0	<0.2	2.0					
IM4	Fine	Moderate	08:54	8.5						Surface	1.0	0.6	350	24.5	24.5	8.0	8.0	31.9	31.9	98.7	98.7	6.9	6.9	16.5	16.5	6	6	86	819728	804607	<0.2	1.3	<0.2	0.9
											1.0	0.6	322	24.5	24.5	8.0	8.0	31.9	31.9	98.6	98.6	6.9	6.9	16.6	16.6	7	7	89	819728	804607	<0.2	0.9	<0.2	0.9
											4.3	0.5	352	24.5	24.5	8.0	8.0	31.9	31.9	97.9	98.0	6.8	6.8	16.9	16.9	7	7	89	819728	804607	<0.2	1.1	<0.2	1.1
					Middle	4.3	0.5	324	24.5	24.5	8.0	8.0	31.9	31.9	98.1	98.0	6.8	6.8	17.0	17.0	8	8	90	819728	804607	<0.2	1.4	<0.2	1.4					
						7.5	0.5	355	24.5	24.5	8.0	8.0	31.9	31.9	97.3	97.2	6.8	6.8	18.3	18.3	8	8	90	819728	804607	<0.2	1.0	<0.2	1.0					
						7.5	0.5	327	24.5	24.5	8.0	8.0	31.9	31.9	97.0	97.0	6.8	6.8	18.3	18.3	8	8	85	819728	804607	<0.2	1.0	<0.2	1.0					
					IM5	Fine	Moderate	09:02	8.2	Surface	1.0	0.8	10	24.5	24.5	8.0	8.0	31.8	31.8	98.6	98.6	6.9	6.9	15.9	15.9	5	5	85	820741	804868	<0.2	0.8	<0.2	0.8
											1.0	0.9	10	24.5	24.5	8.0	8.0	31.8	31.8	98.6	98.6	6.9	6.9	15.8	15.8	6	6	88	820741	804868	<0.2	0.8	<0.2	0.8
											4.1	0.8	12	24.5	24.5	8.0	8.0	31.8	31.8	98.1	98.1	6.8	6.8	16.8	16.8	5	5	89	820741	804868	<0.2	1.0	<0.2	0.9
Middle	4.1	0.8	12	24.5						24.5	8.0	8.0	31.8	31.8	98.0	98.1	6.8	6.8	16.7	16.7	4	4	89	820741	804868	<0.2	0.9	<0.2	0.9					
	7.2	0.7	21	24.5						24.5	8.0	8.0	31.8	31.8	97.4	97.3	6.8	6.8	17.3	17.3	4	4	90	820741	804868	<0.2	0.8	<0.2	0.8					
	7.2	0.7	21	24.5						24.5	8.0	8.0	31.8	31.8	97.1	97.1	6.8	6.8	17.4	17.4	5	5	85	820741	804868	<0.2	0.9	<0.2	0.9					
IM6	Fine	Moderate	09:10	7.5						Surface	1.0	0.0	63	24.8	24.8	8.0	8.0	29.4	29.4	103.0	103.0	7.2	7.2	3.5	3.5	5	5	85	821077	805827	<0.2	0.9	<0.2	0.9
											1.0	0.0	66	24.8	24.8	8.0	8.0	29.4	29.4	103.0	103.0	7.2	7.2	3.5	3.5	4	4	88	821077	805827	<0.2	1.0	<0.2	1.0
											3.8	0.2	65	24.7	24.7	8.0	8.0	30.1	30.1	101.7	101.5	7.1	7.1	4.5	4.5	4	4	88	821077	805827	<0.2	0.9	<0.2	0.9
					Middle	3.8	0.2	71	24.7	24.7	8.0	8.0	30.1	30.1	101.2	101.2	7.1	7.1	4.6	4.6	5	5												

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

Water Quality Monitoring Results on 13 April 21 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	Misty	Calm	08:29	7.4	Surface	1.0	2.7	85	24.7	24.7	8.1	8.1	27.7	27.7	99.8	99.7	7.1	7.1	3.6	3.6	3	4	87	90	90	822098	808820	<0.2	<0.2	1.6	1.6														
						1.0	2.9	90	24.7	8.1	8.1	27.8	27.8	99.5	99.5	7.1	7.1	3.6	3.6	4	4	87	90																						
						3.7	2.6	84	24.7	8.0	8.0	27.9	27.9	98.7	98.6	7.0	7.0	4.6	4.6	5	4	90	89																						
					Middle	3.7	2.7	86	24.7	8.0	8.0	28.0	28.0	98.4	98.4	7.0	7.0	4.6	4.6	4	4	91	89	4								4	92	92	1.6	1.6									
						6.4	2.6	84	24.7	8.0	8.0	28.2	28.2	98.2	98.4	7.0	7.0	5.2	5.2	5	4	92	92	5								4	92	92	1.6	1.6									
						6.4	2.7	88	24.7	8.0	8.0	28.2	28.2	98.5	98.4	7.0	7.0	5.1	5.1	4	4	92	92	4								4	92	92	1.6	1.6									
					IM10	Misty	Calm	08:22	7.6	Surface	1.0	1.5	56	24.7	24.7	8.1	8.1	28.7	28.7	99.1	98.9	7.0	7.0	1.7								1.7	6	5	86	90	90	822364	809798	<0.2	<0.2	1.6	1.6		
											1.0	1.6	57	24.7	8.1	8.1	28.8	28.8	98.7	98.1	7.0	7.0	1.7	1.7								7	5	87	90										
											3.8	1.7	60	24.7	8.1	8.1	28.9	28.9	98.1	98.1	6.9	6.9	3.9	3.9								5	4	90	91										
Middle	3.8	1.9	61	24.7						8.1	8.1	28.9	28.9	98.1	98.1	6.9	6.9	3.9	3.9	4	4	91	89	4	4	93	93	1.6	1.6																
	6.6	1.8	64	24.7						8.1	8.1	28.9	28.9	97.4	97.5	6.9	6.9	4.9	4.9	4	3	93	93	4	3	93	93	1.7	1.6																
	6.6	1.9	69	24.7						8.1	8.1	28.9	28.9	97.5	97.5	6.9	6.9	4.9	4.9	3	3	93	93	3	3	93	93	<0.2	<0.2	1.6	1.6														
IM11	Misty	Calm	08:13	8.0						Surface	1.0	1.7	30	24.6	24.6	8.0	8.0	29.2	29.2	96.7	96.7	6.8	6.8	1.6	1.6	6	5	85	89	88	822062	811461	<0.2	<0.2	1.5	1.6									
											1.0	1.9	30	24.6	8.0	8.0	29.2	29.2	96.7	96.8	6.8	6.8	1.6	1.6	5	8	85	89																	
											4.0	1.7	31	24.6	8.0	8.0	29.3	29.3	96.3	96.3	6.8	6.8	2.4	2.3	8	7	89	89																	
					Middle	4.0	1.9	32	24.6	8.0	8.0	29.3	29.3	96.3	96.8	6.8	6.8	2.3	2.3	7	8	89	90	7	8	90	90	1.6	1.6																
						7.0	1.9	31	24.6	8.0	8.0	29.3	29.3	96.8	96.9	6.8	6.8	3.1	3.1	8	8	90	89	8	8	90	90	1.5	1.6																
						7.0	1.9	31	24.6	8.0	8.0	29.3	29.3	97.0	96.9	6.8	6.8	3.1	3.1	8	8	90	89	8	8	90	90	<0.2	<0.2								1.5	1.6							
					IM12	Misty	Calm	08:08	9.2	Surface	1.0	1.2	76	24.5	24.5	8.0	8.0	29.5	29.5	95.6	95.6	6.7	6.7	1.6	1.6	11	12	85	89								89	821470	812055	<0.2	<0.2	1.3	1.3		
											1.0	1.3	77	24.5	8.0	8.0	29.5	29.5	95.5	95.1	6.7	6.7	1.6	1.6	12	12	85	89																	
											4.6	1.2	74	24.5	8.0	8.0	29.5	29.5	95.1	95.1	6.7	6.7	2.9	3.0	12	9	89	91																	
Middle	4.6	1.3	79	24.5						8.0	8.0	29.5	29.5	95.1	95.1	6.7	6.7	3.0	3.0	12	10	90	91	12	9	92	92	1.3	1.3																
	8.2	1.2	77	24.5						8.0	8.0	29.6	29.6	95.0	95.1	6.7	6.7	3.9	4.0	9	10	91	92	9	10	92	92	1.3	1.4																
	8.2	1.2	80	24.5						8.0	8.0	29.6	29.6	95.1	95.1	6.7	6.7	4.0	4.0	10	10	92	92	10	10	92	92	<0.2	<0.2	1.3	1.4														
SR1A	Misty	Calm	07:37	4.2						Surface	1.0	-	-	24.6	24.6	8.1	8.0	29.1	29.2	98.0	97.9	6.9	6.9	1.3	1.3	6	5	-	-	-	819983	812666	-	-	-	-									
											1.0	-	-	24.6	24.6	8.0	8.0	29.2	29.2	97.7	97.9	6.9	6.9	1.3	1.3	5	-	-	-																
											2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															-	-
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-	-	-	-					
						3.2	-	-	24.6	24.6	8.0	8.0	29.4	29.4	97.2	97.4	6.8	6.9	3.0	2.9	5	4	-	-	-	-	-	-	-								-	-	-						
						3.2	-	-	24.6	24.6	8.0	8.0	29.4	29.4	97.5	97.4	6.9	6.9	2.9	2.9	4	-	-	-	-	-	-	-	-								-	-	-						
					SR2	Misty	Calm	07:22	3.6	Surface	1.0	0.2	120	24.5	24.5	8.0	8.0	29.5	29.5	95.0	95.0	6.7	6.7	1.7	1.7	7	8	87	88								89	821440	814168	<0.2	<0.2	1.2	1.2		
											1.0	0.2	131	24.5	24.5	8.0	8.0	29.5	29.5	95.0	95.0	6.7	6.7	1.7	1.7	8	7	-	-															-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
	2.6	0.2	110	24.5						24.5	8.1	8.1	29.5	29.5	95.1	95.2	6.7	6.7	3.6	3.6	7	7	89	90	7	7	89	90	1.1	1.2															
	2.6	0.2	120	24.5						24.5	8.1	8.1	29.5	29.5	95.2	95.2	6.7	6.7	3.6	3.6	7	7	90	90	7	7	90	90	<0.2	<0.2	1.1	1.2													
SR3	Misty	Calm	08:40	9.0						Surface	1.0	2.6	353	24.9	24.9	8.1	8.1	26.7	26.7	107.8	107.7	7.7	7.7	1.2	1.2	5	4	-	-	-	822163	807568	-	-	-	-									
											1.0	2.7	325	24.8	24.8	8.1	8.1	26.8	26.7	107.6	107.7	7.7	7.7	1.2	1.2	4	6	-	-																
											4.5	2.7	352	24.8	24.8	8.1	8.1	27.0	27.0	106.6	106.5	7.6	7.6	2.1	2.0	6	6	-	-																
					Middle	4.5	2.9	356	24.8	24.8	8.1	8.1	27.0	27.0	106.4	106.5	7.6	7.6	2.0	2.0	6	6	-	-	-	-	-	-	-								-	-	-						
						8.0	2.5	354	24.7	24.7	8.1	8.1	27.2	27.2	102.4	102.5	7.3	7.3	4.5	4.5	6	6	-	-	-	-	-	-	-								-	-							
						8.0	2.6	326	24.7	24.7	8.1	8.1	27.2	27.2	102.5	102.5	7.3	7.3	4.5	4.5	6	6	-	-	-	-	-	-	-								-	-							
					SR4A	Fine	Moderate	07:46	9.6	Surface	1.0	0.2	80	24.6	24.6	8.0	8.0	32.2	32.2	98.6	98.6	6.8	6.8	4.4	4.4	13	12	-	-								-	817174	807826	-	-	-	-		
											1.0	0.2	81	24.6	24.6	8.0	8.0	32.2	32.2	98.5	98.6	6.8	6.8	4.4	4.4	12	15	-	-																
											4.8	0.2	69	24.6	24.6	8.0	8.0	32.3	32.3	97.1	97.1	6.7	6.7	4.5	4.5	15	16	-	-																
Middle	4.8	0.2	69	24.6						24.6	8.0	8.0	32.3	32.3	97.1	97.1	6.7	6.7	4.5	4.5	16	15	-	-	-	-	-	-	-	-	-														
	8.6	0.1	45	24.6						24.6	8.0	8.0	32.4	32.4	96.7	96.7	6.7	6.7	4.8	4.8	15	16	-	-	-	-	-	-	-	-															
	8.6	0.2	45	24.6						24.6	8.0	8.0	32.4	32.4	96.7	96.7	6.7	6.7	4.8	4.8	16	16	-	-	-	-	-	-	-	-															
SR5A	Fine	Moderate	07:28	3.3						Surface	1.0	0.1	285	24.5	24.5	8.0	8.0	31.9	31.9	96.4	96.5	6.7	6.7	4.2	4.3	15	14	-	-	-	816572	810691	-	-	-	-									
											1.0	0.1	288	24.5	24.5	8.0	8.0	31.9	31.9	96.5	96.5	6.7	6.7	4.3	4.3	14	14	-	-																
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-															-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-	-	-						
						2.3	0.1	280	24.5	24.5	7.9	7.9	31.9	31.9	95.4	95.5	6.6	6.6	5.0	5.0																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 April 21 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	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Rainy	Rough	14:18	8.8	Surface	1.0	0.5	224	24.3	24.3	8.1	8.1	33.5	33.5	104.0	104.0	7.2	7.2	4.1	4.1	8	8	84	84	88	815631	804234	<0.2	1.4	1.4	1.1		
						1.0	0.5	232	24.3	8.1	8.1	33.5	33.5	103.9	103.9	7.2	7.2	4.2	4.2	6	6	84	84	88	815631	804234	<0.2	1.4	1.4	1.1			
						4.4	0.4	216	24.3	8.1	8.1	33.6	33.6	103.6	103.6	7.2	7.2	4.3	4.3	7	7	89	89	88	815631	804234	<0.2	0.9	0.9	1.1			
					Middle	4.4	0.4	230	24.3	8.1	8.1	33.6	33.6	103.5	103.5	7.2	7.2	4.3	4.3	6	6	90	90	87	815631	804234	<0.2	0.9	0.9	1.1			
						7.8	0.2	209	24.3	8.1	8.1	34.2	34.2	103.4	103.4	7.1	7.1	5.3	5.3	7	7	91	91	87	815631	804234	<0.2	0.9	0.9	1.1			
						7.8	0.2	213	24.3	8.1	8.1	34.2	34.2	103.2	103.2	7.1	7.1	5.4	5.4	6	6	92	92	87	815631	804234	<0.2	0.9	0.9	1.1			
C2	Rainy	Moderate	13:11	12.0	Surface	1.0	1.6	82	25.0	25.0	8.1	8.1	28.4	28.5	100.2	100.1	7.1	7.1	2.5	2.5	4	4	87	87	90	825695	806939	<0.2	1.2	1.2	1.1		
						1.0	1.7	84	24.9	8.1	8.1	28.6	28.5	99.9	99.9	7.0	7.0	2.5	2.5	4	4	88	88	90	825695	806939	<0.2	1.1	1.1	1.1			
						6.0	1.7	84	24.7	8.1	8.1	29.8	29.8	92.9	93.0	6.5	6.5	4.8	4.8	4	4	90	90	88	825695	806939	<0.2	1.2	1.2	1.1			
					Middle	6.0	1.7	89	24.7	8.1	8.1	29.8	29.8	93.1	93.0	6.5	6.5	4.7	4.7	3	3	91	91	88	825695	806939	<0.2	1.0	1.0	1.1			
						11.0	2.0	79	24.7	8.1	8.1	29.9	29.9	94.9	95.2	6.7	6.7	6.1	6.1	4	4	93	93	88	825695	806939	<0.2	1.1	1.1	1.1			
						11.0	2.0	86	24.7	8.1	8.1	29.9	29.9	95.4	95.2	6.7	6.7	6.2	6.2	3	3	93	93	88	825695	806939	<0.2	1.1	1.1	1.1			
C3	Rainy	Moderate	15:09	12.4	Surface	1.0	2.2	55	24.6	24.6	8.0	8.0	30.2	30.2	97.3	96.9	6.8	6.8	3.4	3.4	2	2	85	85	88	822128	817806	<0.2	1.0	1.0	1.1		
						1.0	2.3	59	24.6	8.0	8.0	30.3	30.2	96.4	96.8	6.8	6.8	3.4	3.4	3	3	85	85	88	822128	817806	<0.2	1.1	1.1	1.1			
						6.2	1.9	57	24.5	8.0	8.0	30.6	30.6	91.0	90.9	6.4	6.4	4.2	4.2	4	4	88	88	88	822128	817806	<0.2	1.0	1.0	1.1			
					Middle	6.2	2.0	62	24.5	8.0	8.0	30.6	30.6	90.8	90.9	6.4	6.4	4.1	4.1	5	5	89	89	88	822128	817806	<0.2	1.1	1.1	1.1			
						11.4	2.1	60	24.3	8.0	8.0	31.1	31.0	89.6	89.7	6.3	6.3	5.8	5.8	4	4	89	89	88	822128	817806	<0.2	1.0	1.0	1.1			
						11.4	2.2	63	24.4	8.0	8.0	31.0	31.0	89.7	89.7	6.3	6.3	5.8	5.8	5	5	93	93	88	822128	817806	<0.2	1.1	1.1	1.1			
IM1	Rainy	Rough	13:58	5.3	Surface	1.0	0.1	196	24.3	24.3	8.0	8.0	32.9	32.9	98.4	98.4	6.8	6.8	6.2	6.2	11	11	86	86	88	817968	807122	<0.2	0.8	0.8	0.8		
						1.0	0.1	198	24.3	8.0	8.0	32.9	32.9	98.4	98.4	6.8	6.8	6.2	6.2	12	12	86	86	88	817968	807122	<0.2	0.8	0.8	0.8			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	4.3	0.1	136	24.2	24.2	8.0	8.0	33.6	33.5	98.8	98.8	6.8	6.8	6.4	6.4	7	7	89	89	88	817968	807122	<0.2	0.8	0.8	0.8		
						4.3	0.1	143	24.2	24.2	8.0	8.0	33.5	33.5	98.8	98.8	6.8	6.8	6.3	6.3	9	9	89	89	88	817968	807122	<0.2	0.8	0.8	0.8		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Rainy	Rough	13:49	7.3	Surface	1.0	0.2	180	24.3	24.3	8.1	8.1	33.0	33.0	100.5	100.5	7.0	7.0	4.5	4.5	5	5	85	85	88	818171	806147	<0.2	0.9	0.9	0.9		
						1.0	0.2	180	24.3	24.3	8.1	8.1	33.0	33.0	100.4	100.4	7.0	7.0	4.5	4.5	6	6	85	85	88	818171	806147	<0.2	0.9	0.9	0.9		
						3.7	0.2	165	24.3	24.3	8.1	8.1	33.0	33.0	100.6	100.7	7.0	7.0	5.1	5.1	6	6	89	89	88	818171	806147	<0.2	0.8	0.8	0.9		
					Middle	3.7	0.2	175	24.3	24.3	8.1	8.1	33.0	33.0	100.7	100.7	7.0	7.0	5.1	5.1	5	5	89	89	88	818171	806147	<0.2	0.8	0.8	0.9		
						6.3	0.2	120	24.2	24.2	8.0	8.0	33.5	33.5	99.5	99.4	6.9	6.9	6.1	6.1	8	8	90	90	88	818171	806147	<0.2	0.9	0.9	1.0		
						6.3	0.2	128	24.2	24.2	8.0	8.0	33.5	33.5	99.3	99.4	6.9	6.9	6.0	6.0	7	7	91	91	88	818171	806147	<0.2	0.9	0.9	1.0		
IM3	Rainy	Rough	13:41	7.5	Surface	1.0	0.2	204	24.4	24.4	8.1	8.1	32.8	32.8	101.9	101.9	7.1	7.1	4.0	4.0	6	6	85	85	88	818807	805612	<0.2	0.9	0.9	1.0		
						1.0	0.2	212	24.4	24.4	8.1	8.1	32.8	32.8	101.9	101.9	7.1	7.1	4.0	4.0	7	7	85	85	88	818807	805612	<0.2	1.0	1.0	1.0		
						3.8	0.2	157	24.4	24.4	8.1	8.1	32.9	32.9	101.0	101.0	7.0	7.0	4.6	4.6	6	6	88	88	88	818807	805612	<0.2	1.0	1.0	1.0		
					Middle	3.8	0.2	162	24.4	24.4	8.1	8.1	32.9	32.9	101.0	101.0	7.0	7.0	4.6	4.6	5	5	89	89	88	818807	805612	<0.2	1.0	1.0	1.0		
						6.5	0.2	128	24.2	24.2	8.0	8.0	33.5	33.5	99.3	99.4	6.9	6.9	5.8	5.8	5	5	89	89	88	818807	805612	<0.2	1.0	1.0	1.0		
						6.5	0.2	138	24.2	24.2	8.0	8.0	33.5	33.5	99.4	99.4	6.9	6.9	5.8	5.8	5	5	90	90	88	818807	805612	<0.2	0.9	0.9	1.0		
IM4	Rainy	Rough	13:32	8.9	Surface	1.0	0.4	196	24.5	24.5	8.0	8.0	32.3	32.3	99.6	99.6	6.9	6.9	3.5	3.5	4	4	85	85	88	819719	804602	<0.2	1.6	1.6	1.4		
						1.0	0.4	214	24.5	24.5	8.0	8.0	32.3	32.3	99.6	99.6	6.9	6.9	3.5	3.5	4	4	85	85	88	819719	804602	<0.2	1.6	1.6	1.4		
						4.5	0.2	180	24.4	24.4	8.1	8.1	32.7	32.7	100.2	100.2	7.0	7.0	4.4	4.4	4	4	88	88	88	819719	804602	<0.2	1.3	1.3	1.4		
					Middle	4.5	0.2	185	24.4	24.4	8.1	8.1	32.7	32.7	100.2	100.2	7.0	7.0	4.4	4.4	4	4	88	88	88	819719	804602	<0.2	1.2	1.2	1.4		
						7.9	0.2	143	24.2	24.2	8.0	8.0	33.3	33.3	98.3	98.3	6.8	6.8	6.5	6.5	4	4	89	89	88	819719	804602	<0.2	1.2	1.2	1.4		
						7.9	0.3	143	24.2	24.2	8.0	8.0	33.3	33.3	98.3	98.3	6.8	6.8	6.5	6.5	3	3	90	90	88	819719	804602	<0.2	1.4	1.4	1.4		
IM5	Rainy	Rough	13:23	8.3	Surface	1.0	0.5	225	24.6	24.6	8.0	8.0	31.5	31.5	101.1	101.1	7.0	7.0	3.4	3.4	4	4	84	84	87	820741	804871	<0.2	1.4	1.4	1.4		
						1.0	0.5	227	24.6	24.6	8.0	8.0	31.5	31.5	101.0	101.0	7.0	7.0	3.4	3.4	4	4	84	84	87	820741	804871	<0.2	1.4	1.4	1.4		
						4.2	0.3	188	24.4	24.4	8.0	8.0	32.7	32.6	99.2	99.3	6.9	6.9	4.6	4.6	4	4	88	88	87	820741	804871	<0.2	1.4	1.4	1.4		
					Middle	4.2	0.3	204</																									

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

Water Quality Monitoring Results on 15 April 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA							
IM9	Rainy	Moderate	13:42	8.0	Surface	1.0	1.9	33	24.8	24.8	8.1	8.1	29.2	29.2	98.3	98.2	6.9	6.9	4.3	4	87	90	90	822100	808792	<0.2	1.0	<0.2	1.1							
						1.0	2.1	34	24.8	8.1	8.1	29.3	29.3	98.0	97.3	6.9	6.8	4.3	3	87	90	90	822100	808792	<0.2	1.1	<0.2	1.1								
						4.0	2.0	31	24.6	8.1	8.1	30.1	30.2	97.3	97.3	6.8	6.8	5.2	4	90	91	91	822100	808792	<0.2	1.1	<0.2	1.1								
					Middle	4.0	2.1	34	24.5	24.6	8.1	8.1	30.2	30.2	97.3	97.3	6.8	6.8	5.2	4	91	91	91	822100	808792	<0.2	1.1	<0.2	1.1							
						7.0	2.1	33	24.4	24.4	8.1	8.1	30.6	30.6	97.5	97.6	6.8	6.8	6.9	5	91	91	91	822100	808792	<0.2	1.2	<0.2	1.0							
						7.0	2.2	35	24.4	24.4	8.1	8.1	30.6	30.6	97.7	97.7	6.9	6.9	6.9	5	92	92	92	822100	808792	<0.2	1.0	<0.2	1.0							
					IM10	Rainy	Moderate	13:49	7.8	Surface	1.0	1.9	45	24.8	24.8	8.0	8.0	29.5	29.6	93.5	93.4	6.6	6.6	4.3	4	86	90	90	822379	809793	<0.2	0.9	<0.2	0.9		
											1.0	1.9	48	24.8	24.8	8.0	8.0	29.6	29.6	93.3	94.1	6.5	6.6	4.2	4	87	91	91	822379	809793	<0.2	0.9	<0.2	0.9		
											3.9	2.1	44	24.8	24.8	8.0	8.0	29.6	29.6	94.0	94.1	6.6	6.6	5.2	5	91	91	91	822379	809793	<0.2	0.9	<0.2	0.9		
Middle	3.9	2.2	48	24.8						24.8	8.0	8.0	29.5	29.6	94.2	94.2	6.6	6.6	5.5	4	91	91	91	822379	809793	<0.2	0.9	<0.2	0.9							
	6.8	2.2	41	24.5						24.5	8.1	8.1	30.4	30.4	95.1	95.2	6.7	6.7	6.9	5	92	92	92	822379	809793	<0.2	1.0	<0.2	1.0							
	6.8	2.4	43	24.5						24.5	8.1	8.1	30.4	30.4	95.3	95.2	6.7	6.7	6.9	5	92	92	92	822379	809793	<0.2	1.0	<0.2	1.0							
IM11	Rainy	Moderate	13:59	9.0						Surface	1.0	1.9	47	24.8	24.8	8.0	8.0	29.3	29.4	96.2	96.1	6.8	6.7	7.4	7	84	88	90	822050	811457	<0.2	1.0	<0.2	1.0		
											1.0	2.1	49	24.8	24.8	8.0	8.0	29.5	29.4	95.9	96.1	6.7	6.7	7.4	6	84	88	90	822050	811457	<0.2	1.0	<0.2	1.0		
											4.5	2.0	49	24.7	24.7	8.0	8.0	29.8	29.8	91.4	91.4	6.4	6.4	8.5	7	88	92	92	822050	811457	<0.2	0.9	<0.2	0.9		
					Middle	4.5	2.2	52	24.7	24.7	8.0	8.0	29.8	29.8	91.3	91.4	6.4	6.4	8.4	6	84	88	90	822050	811457	<0.2	0.9	<0.2	0.9							
						8.0	2.0	46	24.7	24.7	8.0	8.0	29.8	29.8	91.9	92.2	6.5	6.5	9.9	5	93	93	93	822050	811457	<0.2	0.9	<0.2	0.9							
						8.0	2.1	48	24.7	24.7	8.0	8.0	29.8	29.8	92.4	92.2	6.5	6.5	10.0	6	97	97	97	822050	811457	<0.2	0.9	<0.2	0.9							
					IM12	Rainy	Moderate	14:05	9.9	Surface	1.0	2.1	49	24.8	24.8	8.0	8.0	29.1	29.2	94.6	94.4	6.7	6.7	5.7	6	86	86	89	821469	812066	<0.2	1.0	<0.2	1.0		
											1.0	2.1	52	24.8	24.8	8.0	8.0	29.2	29.2	94.2	94.2	6.6	6.6	5.7	5	86	87	90	821469	812066	<0.2	1.0	<0.2	1.0		
											5.0	2.3	43	24.8	24.8	8.0	8.0	29.5	29.5	93.7	93.7	6.6	6.6	6.1	6	87	90	90	821469	812066	<0.2	1.0	<0.2	1.0		
Middle	5.0	2.3	46	24.8						24.8	8.0	8.0	29.5	29.5	93.7	93.7	6.6	6.6	6.1	5	87	90	90	821469	812066	<0.2	1.0	<0.2	1.0							
	8.9	2.1	45	24.7						24.7	8.0	8.0	29.5	29.5	94.5	94.7	6.6	6.7	7.4	4	92	92	92	821469	812066	<0.2	1.1	<0.2	1.1							
	8.9	2.2	46	24.7						24.7	8.1	8.0	29.5	29.5	94.9	94.7	6.7	6.7	7.5	4	92	92	92	821469	812066	<0.2	1.1	<0.2	1.1							
SR1A	Rainy	Moderate	14:35	4.2						Surface	1.0	-	-	24.8	24.8	8.1	8.1	29.3	29.3	98.3	98.3	6.9	6.9	2.3	3	-	-	-	819974	812666	-	-	-	-		
											1.0	-	-	24.8	24.8	8.1	8.1	29.3	29.3	98.2	98.2	6.9	6.9	2.3	2	-	-	-	819974	812666	-	-	-	-		
											2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819974	812666	-	-	-	-
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819974	812666	-	-	-	-					
						3.2	-	-	24.8	24.8	8.1	8.1	29.4	29.4	98.7	98.8	6.9	6.9	2.5	4	-	-	-	-	-	819974	812666	-	-	-	-					
						3.2	-	-	24.8	24.8	8.1	8.1	29.4	29.4	98.9	98.9	6.9	6.9	2.6	3	-	-	-	-	-	819974	812666	-	-	-	-					
					SR2	Rainy	Moderate	14:49	5.0	Surface	1.0	0.5	38	24.8	24.8	8.0	8.0	29.4	29.4	94.6	94.7	6.7	6.7	3.7	3	90	91	91	821467	814158	<0.2	0.8	<0.2	1.0		
											1.0	0.5	40	24.7	24.7	8.0	8.0	29.5	29.4	94.7	94.7	6.7	6.7	3.7	2	91	91	91	821467	814158	<0.2	1.0	<0.2	1.0		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821467	814158	<0.2	0.9	<0.2	0.9
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821467	814158	<0.2	0.9	<0.2	0.9					
	4.0	0.3	40	24.7						24.7	8.0	8.0	29.5	29.5	95.6	95.7	6.7	6.7	4.9	2	92	92	92	821467	814158	<0.2	0.9	<0.2	0.9							
	4.0	0.3	42	24.7						24.7	8.0	8.0	29.5	29.5	95.7	95.7	6.7	6.7	4.9	3	92	92	92	821467	814158	<0.2	1.0	<0.2	1.0							
SR3	Rainy	Moderate	13:30	10.0						Surface	1.0	1.3	32	24.9	24.9	8.1	8.1	28.9	28.9	97.7	97.7	6.9	6.9	3.1	4	-	-	-	822155	807563	-	-	-	-		
											1.0	1.4	34	24.9	24.9	8.1	8.1	28.9	28.9	97.6	97.6	6.9	6.9	3.1	4	-	-	-	-	-	822155	807563	-	-	-	-
											5.0	1.3	31	24.7	24.7	8.1	8.1	29.8	29.9	97.2	97.2	6.8	6.8	3.7	6	-	-	-	-	-	822155	807563	-	-	-	-
					Middle	5.0	1.4	33	24.6	24.6	8.1	8.1	30.1	30.1	97.1	97.2	6.8	6.8	3.7	5	-	-	-	-	-	822155	807563	-	-	-	-					
						9.0	1.5	30	24.4	24.5	8.1	8.1	30.8	30.8	97.2	97.3	6.8	6.8	4.9	5	-	-	-	-	-	822155	807563	-	-	-	-					
						9.0	1.5	32	24.5	24.5	8.1	8.1	30.8	30.8	97.3	97.3	6.8	6.8	4.8	6	-	-	-	-	-	822155	807563	-	-	-	-					
					SR4A	Rainy	Calm	14:43	9.2	Surface	1.0	0.0	83	24.4	24.4	8.1	8.1	33.3	33.3	100.4	100.4	6.9	6.9	4.8	6	-	-	-	817177	807828	-	-	-	-		
											1.0	0.0	90	24.4	24.4	8.1	8.1	33.3	33.3	100.4	100.4	6.9	6.9	4.8	6	-	-	-	-	-	817177	807828	-	-	-	-
											4.6	0.1	68	24.2	24.2	8.1	8.1	33.6	33.6	97.5	97.5	6.7	6.7	6.2	6	-	-	-	-	-	817177	807828	-	-	-	-
Middle	4.6	0.1	71	24.2						24.2	8.1	8.1	33.6	33.6	97.5	97.5	6.8	6.8	6.2	5	-	-	-	-	-	817177	807828	-	-	-	-					
	8.2	0.1	60	24.2						24.2	8.0	8.0	33.6	33.6	96.7	96.7	6.7	6.7	6.7	6	-	-	-	-	-	817177	807828	-	-	-	-					
	8.2	0.1	65	24.2						24.2	8.0	8.0	33.6	33.6	96.7	96.7	6.7	6.7	6.6	5	-	-	-	-	-	817177	807828	-	-	-	-					
SR5A	Rainy	Calm	15:00	4.1						Surface	1.0	0.0	112	24.9	24.9	8.0	8.0	31.7	31.7	102.3	102.3	7.1	7.1	3.6	5	-	-	-	816601	810703	-	-	-			

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

Water Quality Monitoring Results on 15 April 21 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	Cloudy	Rough	08:40	8.7	Surface	1.0	0.4	37	24.2	24.2	8.1	8.1	33.6	33.6	99.0	99.0	6.9	6.9	11.0	11.0	10	85	88	88	815620	804223	<0.2	<0.2	0.6	0.6	
						1.0	0.4	38	24.2	8.1	8.1	33.6	33.6	99.0	99.0	6.9	6.9	11.2	11.2	11	85	88	88	<0.2			<0.2	0.6	0.6		
						4.4	0.4	35	24.2	8.1	8.1	33.6	33.6	98.8	98.8	6.8	6.8	11.7	11.7	11	88	88	88	<0.2			<0.2	0.6	0.6		
					4.4	0.5	36	24.2	8.1	8.1	33.6	33.6	98.8	98.8	6.8	6.8	11.8	11.8	11	88	88	88	<0.2	<0.2			0.6	0.6			
					7.7	0.4	36	24.2	8.0	8.0	33.6	33.6	98.1	98.1	6.8	6.8	12.7	12.7	3	90	93	93	<0.2	<0.2			0.7	0.7			
					7.7	0.4	38	24.2	8.0	8.0	33.6	33.6	98.3	98.3	6.8	6.8	12.6	12.6	4	91	91	91	<0.2	<0.2			0.5	0.5			
					1.0	1.9	17	25.0	25.0	8.0	8.0	28.6	28.6	97.2	97.2	6.8	6.8	4.5	4.5	17	87	88	88	<0.2			<0.2	0.9	0.9		
					1.0	2.0	17	25.0	8.0	8.0	28.6	28.6	97.1	97.1	6.8	6.8	4.4	4.4	19	88	88	88	<0.2	<0.2			0.9	0.9			
					6.3	2.1	17	24.9	24.9	8.0	8.0	28.7	28.7	96.5	96.5	6.8	6.8	5.3	5.3	14	90	91	91	<0.2			<0.2	1.1	1.1		
6.3	2.1	18	24.9	8.0	8.0	28.7	28.7	96.4	96.4	6.8	6.8	5.3	5.3	16	91	91	91	<0.2	<0.2	1.1	1.1										
11.6	2.0	15	24.9	24.9	8.0	8.0	28.7	28.7	96.3	96.3	6.8	6.8	6.3	6.3	13	93	93	93	<0.2	<0.2	1.2	1.2									
11.6	2.2	15	24.9	8.0	8.0	28.6	28.6	96.3	96.3	6.8	6.8	6.3	6.3	12	93	93	93	<0.2	<0.2	1.2	1.2										
C2	Rainy	Calm	09:49	12.6	Surface	1.0	1.1	339	24.7	24.7	8.0	8.0	29.9	30.0	95.7	95.6	6.7	6.7	2.0	2.0	7	85	85	85	825679	806958	<0.2	<0.2	0.9	0.9	
						1.0	1.1	343	24.6	8.0	8.0	30.1	30.1	95.5	95.5	6.7	6.7	1.9	1.9	6	85	85	85	<0.2			<0.2	1.0	1.0		
						6.0	1.2	343	24.5	8.0	8.0	30.8	30.8	90.5	90.5	6.3	6.3	3.6	3.6	7	89	89	89	<0.2			<0.2	1.0	1.0		
					6.0	1.3	316	24.5	8.0	8.0	30.8	30.8	90.5	90.5	6.3	6.3	3.7	3.7	7	89	89	89	<0.2	<0.2			1.2	1.2			
					11.0	1.2	329	24.5	8.0	8.0	30.8	30.8	91.0	91.0	6.4	6.4	4.3	4.3	6	91	91	91	<0.2	<0.2			1.0	1.0			
					11.0	1.2	334	24.5	8.0	8.0	30.8	30.8	91.2	91.2	6.4	6.4	4.2	4.2	7	91	91	91	<0.2	<0.2			1.0	1.0			
					1.0	0.1	319	24.3	24.3	8.0	8.0	32.7	32.7	96.8	96.8	6.7	6.7	6.4	6.4	19	85	85	85	<0.2			<0.2	0.8	0.8		
					1.0	0.1	346	24.3	24.3	8.0	8.0	32.7	32.7	96.8	96.8	6.7	6.7	6.4	6.4	20	86	86	86	<0.2			<0.2	0.8	0.8		
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16			87	87	87	817939	807139
4.6	0.1	33	24.3	24.3	8.0	8.0	32.7	32.7	96.5	96.5	6.7	6.7	7.6	7.6	12	89	89	89	<0.2	<0.2	0.8	0.8									
4.6	0.1	36	24.3	24.3	8.0	8.0	32.7	32.7	96.5	96.5	6.7	6.7	7.5	7.5	14	88	88	88	<0.2	<0.2	0.8	0.8									
IM1	Cloudy	Rough	09:01	5.6	Surface	1.0	0.2	357	24.3	24.3	8.1	8.1	33.1	33.1	99.4	99.4	6.9	6.9	7.5	7.5	16	84	84	84	818163	806149	<0.2	<0.2	0.6	0.6	
						1.0	0.2	328	24.3	24.3	8.1	8.1	33.1	33.1	99.4	99.4	6.9	6.9	7.4	7.4	15	84	84	84			<0.2	<0.2	0.7	0.7	
						3.8	0.3	2	24.3	24.3	8.0	8.0	33.1	33.1	98.6	98.6	6.8	6.8	8.7	8.7	14	87	87	87			<0.2	<0.2	0.6	0.6	
					3.8	0.3	2	24.3	24.3	8.0	8.0	33.1	33.1	98.7	98.7	6.8	6.8	8.7	8.7	16	87	87	87	<0.2			<0.2	0.7	0.7		
					6.5	0.2	4	24.3	24.3	8.0	8.0	33.2	33.2	98.6	98.6	6.8	6.8	10.2	10.2	14	89	89	89	<0.2			<0.2	0.7	0.7		
					6.5	0.2	4	24.3	24.3	8.0	8.0	33.2	33.2	98.6	98.6	6.8	6.8	10.3	10.3	12	90	90	90	<0.2			<0.2	0.7	0.7		
					1.0	0.4	340	24.3	24.3	8.1	8.1	33.2	33.2	99.3	99.3	6.9	6.9	8.8	8.8	12	84	84	84	<0.2			<0.2	0.7	0.7		
					1.0	0.4	313	24.3	24.3	8.1	8.1	33.2	33.2	99.4	99.4	6.9	6.9	8.6	8.6	13	83	83	83	<0.2			<0.2	0.7	0.7		
					3.9	0.3	348	24.3	24.3	8.1	8.1	33.2	33.2	98.2	98.2	6.8	6.8	10.1	10.1	14	86	86	86	<0.2			<0.2	0.7	0.7		
3.9	0.3	320	24.3	24.3	8.1	8.1	33.2	33.2	98.3	98.3	6.8	6.8	10.1	10.1	13	87	87	87	<0.2	<0.2	0.6	0.6									
6.8	0.2	350	24.3	24.3	8.1	8.1	33.2	33.2	97.7	97.7	6.8	6.8	11.4	11.4	13	89	89	89	<0.2	<0.2	0.8	0.8									
6.8	0.2	352	24.3	24.3	8.1	8.1	33.2	33.2	97.7	97.7	6.8	6.8	11.3	11.3	15	90	90	90	<0.2	<0.2	0.7	0.7									
IM2	Cloudy	Rough	09:12	7.5	Surface	1.0	0.6	349	24.3	24.3	8.1	8.1	33.2	33.2	99.3	99.3	6.9	6.9	12.3	12.3	16	84	84	84	818768	805585	<0.2	<0.2	0.7	0.7	
						1.0	0.6	321	24.3	24.3	8.1	8.1	33.2	33.2	99.3	99.3	6.9	6.9	12.1	12.1	18	84	84	84			<0.2	<0.2	0.7	0.7	
						4.5	0.5	356	24.3	24.3	8.1	8.1	33.2	33.2	98.8	98.8	6.9	6.9	13.2	13.2	21	86	86	86			<0.2	<0.2	0.6	0.6	
					4.5	0.6	327	24.3	24.3	8.1	8.1	33.2	33.2	98.4	98.4	6.8	6.8	13.3	13.3	20	87	87	87	<0.2			<0.2	0.6	0.6		
					8.0	0.5	356	24.3	24.3	8.1	8.1	33.2	33.2	98.3	98.3	6.8	6.8	14.4	14.4	22	89	89	89	<0.2			<0.2	0.7	0.7		
					8.0	0.5	328	24.3	24.3	8.1	8.1	33.2	33.2	98.3	98.3	6.8	6.8	14.4	14.4	20	89	89	89	<0.2			<0.2	0.7	0.7		
					1.0	0.7	4	24.4	24.4	8.1	8.1	32.7	32.7	99.3	99.3	6.9	6.9	7.3	7.3	18	83	83	83	<0.2			<0.2	0.6	0.6		
					1.0	0.8	4	24.4	24.4	8.1	8.1	32.7	32.7	99.3	99.3	6.9	6.9	7.3	7.3	20	84	84	84	<0.2			<0.2	0.7	0.7		
					4.2	0.7	6	24.4	24.4	8.1	8.1	32.7	32.7	99.2	99.2	6.9	6.9	8.1	8.1	21	86	86	86	<0.2			<0.2	0.7	0.7		
4.2	0.8	6	24.4	24.4	8.1	8.1	32.7	32.7	99.3	99.3	6.9	6.9	8.1	8.1	19	86	86	86	<0.2	<0.2	0.7	0.7									
7.3	0.6	14	24.4	24.4	8.0	8.0	32.7	32.7	98.4	98.4	6.8	6.8	10.4	10.4	21	89	89	89	<0.2	<0.2	0.6	0.6									
7.3	0.6	15	24.4	24.4	8.0	8.0	32.7	32.7	98.4	98.4	6.8	6.8	10.4	10.4	20	88	88	88	<0.2	<0.2	0.6	0.6									
IM3	Cloudy	Rough	09:19	7.8	Surface	1.0	0.1	359	24.8	24.8	8.0	8.0	30.7	30.7	99.6	99.6	6.9	6.9	3.0	3.0	16	83	83	83	821049	805808	<0.2	<0.2	1.1	1.1	
						1.0	0.1	336	24.8	24.8	8.0	8.0	30.7	30.7	99.6	99.6	6.9	6.9	3.0	3.0	14	83	83	83			<0.2	<0.2	1.2	1.2	
						4.2	0.3	32	24.7	24.7	8.0	8.0	31.0	31.0	98.3	98.3	6.9	6.9	4.0	4.0	6	86	86	86			<0.2	<0.2	1.0	1.0	
					4.2	0.3	33	24.7	24.7	8.0	8.0	31.0	31.0	98.4	98.4	6.9	6.9	3.9	3.9	5	86	86	86	<0.2			<0.2	1.1	1.1		
					7.4	0.3	56	24.5	24.5	8.0	8																				

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

Water Quality Monitoring Results on 17 April 21 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	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Rainy	Calm	15:23	8.0	Surface	1.0	0.3	208	24.4	24.4	8.1	8.1	31.9	31.9	105.1	105.0	7.3	7.2	2.0	4	86	88	815606	804224	<0.2	1.1	1.0	1.0					
						1.0	0.3	221	24.4	8.1	8.1	31.9	31.9	104.9	101.3	7.3	7.2	2.1	4	85	87	<0.2	1.0										
					Middle	4.0	0.4	222	24.5	8.1	8.1	33.0	33.0	101.3	101.3	7.0	7.0	2.5	2	87	88	<0.2	1.0										
						4.0	0.4	229	24.5	8.1	8.1	33.0	33.0	101.2	101.3	7.0	7.0	2.4	3	88	90	<0.2	0.9										
					Bottom	7.0	0.3	217	24.4	8.1	8.1	33.4	33.4	100.7	100.9	7.0	7.0	3.6	3	90	90	<0.2	0.9										
						7.0	0.4	231	24.4	8.1	8.1	33.4	33.4	101.1	100.9	7.0	7.0	3.5	2	90	90	<0.2	0.9										
C2	Rainy	Moderate	14:16	11.5	Surface	1.0	0.2	135	24.8	24.8	8.1	8.1	28.0	28.1	99.1	99.0	7.0	6.8	4.0	4	88	90	825674	806933	<0.2	1.3	1.4	1.4					
						1.0	0.2	143	24.8	8.1	8.1	28.1	28.1	98.9	91.8	7.0	6.8	4.1	3	87	89	<0.2	1.4										
					Middle	5.8	0.5	154	24.7	8.1	8.1	29.2	29.2	91.8	91.8	6.5	6.2	5.4	3	89	90	<0.2	1.4										
						5.8	0.5	163	24.7	8.1	8.1	29.2	29.2	91.8	88.3	6.5	6.2	5.5	2	90	93	<0.2	1.4										
					Bottom	10.5	0.5	144	24.5	8.0	8.0	30.3	30.3	88.2	88.3	6.2	6.2	5.5	2	93	92	<0.2	1.5										
						10.5	0.5	149	24.5	8.0	8.0	30.3	30.3	88.3	88.3	6.2	6.2	5.5	3	92	92	<0.2	1.4										
C3	Rainy	Moderate	16:17	10.7	Surface	1.0	0.4	286	24.6	24.6	8.1	8.1	29.9	29.9	91.7	91.7	6.4	6.4	3.7	3	86	88	822105	817782	<0.2	1.4	1.4	1.4					
						1.0	0.4	311	24.6	8.1	8.1	29.9	29.9	91.7	91.5	6.4	6.4	3.8	3	86	88	<0.2	1.4										
					Middle	5.4	0.2	257	24.6	8.1	8.1	29.9	29.9	91.5	91.5	6.4	6.4	4.2	3	88	87	<0.2	1.3										
						5.4	0.2	266	24.6	8.1	8.1	29.9	29.9	91.5	91.5	6.4	6.4	4.2	4	87	90	<0.2	1.2										
					Bottom	9.7	0.1	120	24.5	8.1	8.1	30.0	30.0	91.0	91.1	6.4	6.4	4.4	4	90	91	<0.2	1.4										
						9.7	0.1	128	24.5	8.1	8.1	30.0	30.0	91.1	91.1	6.4	6.4	4.4	5	91	91	<0.2	1.4										
IM1	Rainy	Calm	15:02	5.0	Surface	1.0	0.1	134	24.6	24.6	8.1	8.1	32.0	32.0	104.5	104.4	7.3	7.3	3.3	2	86	88	817951	807113	<0.2	1.1	1.2	1.1					
						1.0	0.1	138	24.6	8.1	8.1	32.0	32.0	104.3	104.3	7.2	7.3	3.4	3	86	89	<0.2	1.2										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.0	0.1	311	24.5	8.1	8.0	32.4	32.4	99.4	99.5	6.9	6.9	5.2	3	89	89	<0.2	1.1										
						4.0	0.1	336	24.5	8.0	8.0	32.3	32.4	99.5	99.5	6.9	6.9	5.6	2	89	89	<0.2	1.1										
IM2	Rainy	Calm	14:55	6.8	Surface	1.0	0.2	175	24.5	24.5	8.1	8.1	32.2	32.2	101.1	101.3	7.0	7.0	3.2	4	87	88	818145	806160	<0.2	1.3	1.3	1.3					
						1.0	0.2	188	24.5	8.1	8.1	32.2	32.2	101.4	100.8	7.0	7.0	3.2	3	86	88	<0.2	1.2										
					Middle	3.4	0.1	166	24.5	8.1	8.1	32.4	32.4	100.9	100.8	7.0	7.0	4.0	4	88	88	<0.2	1.3										
						3.4	0.1	173	24.5	8.1	8.1	32.4	32.4	100.7	100.8	7.0	7.0	4.2	3	88	89	<0.2	1.2										
					Bottom	5.8	0.2	120	24.5	8.1	8.1	33.0	33.0	99.8	99.8	6.9	6.9	5.7	3	89	90	<0.2	1.2										
						5.8	0.2	127	24.5	8.1	8.1	33.0	33.0	99.7	99.8	6.9	6.9	5.7	3	90	90	<0.2	1.2										
IM3	Rainy	Calm	14:49	7.0	Surface	1.0	0.3	153	24.5	24.5	8.1	8.1	31.9	31.9	97.2	97.5	6.8	6.8	2.6	2	86	88	818782	805578	<0.2	1.2	1.2	1.2					
						1.0	0.3	160	24.5	8.1	8.1	32.0	32.0	97.7	97.5	6.8	6.8	2.7	3	86	87	<0.2	1.2										
					Middle	3.5	0.2	155	24.6	8.1	8.1	32.1	32.1	98.9	99.0	6.9	6.9	3.1	3	100	87	<0.2	1.2										
						3.5	0.2	165	24.6	8.1	8.1	32.1	32.1	99.1	99.0	6.9	6.9	3.3	3	87	87	<0.2	1.2										
					Bottom	6.0	0.1	119	24.5	8.1	8.1	32.9	32.9	99.2	99.0	6.9	6.9	3.9	4	87	87	<0.2	1.2										
						6.0	0.1	121	24.5	8.1	8.1	32.8	32.9	98.7	99.0	6.8	6.9	3.6	4	90	90	<0.2	1.1										
IM4	Rainy	Calm	14:41	8.4	Surface	1.0	0.5	183	24.5	24.5	8.1	8.1	32.3	32.3	98.4	98.5	6.8	6.8	5.4	7	86	87	819741	804620	<0.2	1.5	1.5	1.5					
						1.0	0.5	190	24.5	8.1	8.1	32.3	32.3	98.5	98.5	6.8	6.8	5.8	6	87	88	<0.2	1.5										
					Middle	4.2	0.5	184	24.5	8.1	8.1	32.4	32.4	98.0	98.0	6.8	6.8	7.5	6	88	87	<0.2	1.4										
						4.2	0.5	191	24.5	8.1	8.1	32.4	32.4	98.0	98.0	6.8	6.8	7.7	5	87	87	<0.2	1.4										
					Bottom	7.4	0.4	177	24.5	8.1	8.1	32.5	32.5	97.5	97.5	6.8	6.8	9.9	5	87	91	<0.2	1.5										
						7.4	0.4	191	24.5	8.1	8.1	32.5	32.5	97.5	97.5	6.8	6.8	9.5	4	91	91	<0.2	1.3										
IM5	Rainy	Calm	14:31	8.0	Surface	1.0	0.4	207	24.6	24.6	8.1	8.1	31.9	31.9	99.3	99.1	6.9	6.8	4.2	3	86	85	820722	804880	<0.2	1.4	1.3	1.5					
						1.0	0.4	212	24.6	8.1	8.1	31.9	31.9	98.9	99.1	6.9	6.8	4.5	4	85	87	<0.2	1.3										
					Middle	4.0	0.4	189	24.5	8.1	8.1	32.7	32.7	97.4	97.5	6.7	6.7	6.1	4	87	87	<0.2	1.5										
						4.0	0.4	205	24.5	8.1	8.1	32.7	32.7	97.5	97.5	6.8	6.7	6.2	3	87	89	<0.2	1.5										
					Bottom	7.0	0.3	191	24.5	8.1	8.1	32.8	32.8	96.6	96.6	6.7	6.7	6.6	4	89	90	<0.2	1.4										
						7.0	0.3	206	24.5	8.1	8.1	32.8	32.8	96.6	96.6	6.7	6.7	6.6	5	90	90	<0.2	1.6										
IM6	Rainy	Calm	14:25	7.6	Surface	1.0	0.2	209	24.7	24.7	8.1	8.1	31.0	31.0	100.4	100.4	7.0	6.9	3.4	3	90	87	821052	805841	<0.2	1.4	1.4	1.4					
						1.0	0.2	217	24.7	8.1	8.1	31.0	31.0	100.4	100.4	7.0	6.9	3.4	3	87	90	<0.2	1.5										
					Middle	3.8	0.2	200	24.6	8.1	8.1	31.9	31.9	98.5	98.5	6.8	6.8	4.1	3	87	88	<0.2	1.4										
						3.8	0.2	201	24.6	8.1	8.1	31.9	31.9	98.4	98.5	6.8	6.8	4.2	2	90	88	<0.2	1.4										
					Bottom	6.6	0.2	201	24.5	8.0	8.0	32.2	32.2	98.1	98.3	6.8	6.8	4.9	2	88	88	<0.2	1.4										
						6.6	0.2	211	24.5	8.0	8.0	32.2	32.2	98.4	98.3	6.8	6.8	5.0	2	88	88	<0.2	1.4										
IM7	Rainy	Calm	14:17	9.0	Surface	1.0	0.1	221	24.8	24.8	8.1	8.1	30.4	30.4	100.2	100.1	7.0	6.9	2.1	2	86	86	821344	806850	<0.2	1.5	1.4	1.4					
						1.0	0.1	228	24.8	8.1	8.1	30.4	30.4	100.0	100.1	7.0	6.9	2.2	3	86	89	<0.2	1.4										
					Middle	4.5	0.1	136	24.6	8.1	8.0	31.9	31.9	97.7	97.6	6.8	6.7	3.2	<2	88	89	<0.2	1.5										
						4.5	0.1	136	24.6	8.0	8.0	31.9	31.9	97.5	97.6	6.8	6.7	3.4	<2	89	90	<0.2	1.4										
					Bottom	8.0	0.1	128	24.6	8.0	8.0	32.1	32.1	97.1	97.1	6.7	6.7	4.6	<2	90	90	<0.2	1.4										
						8.0																											

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

Water Quality Monitoring Results on 17 April 21 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	Rainy	Moderate	14:48	7.9	Surface	1.0	2.9	243	24.9	24.9	8.1	8.1	28.2	28.2	98.8	98.8	7.0	6.9	2.9	5.0	<2	85	87	87	822094	808831	<0.2	1.3	<0.2	1.3					
						3.0	260	24.9	8.1	28.2	28.2	98.7	98.7	7.0	6.9	2.9	5.0	<2	85	87	87	822094	808831	<0.2	1.3	<0.2	1.3								
						4.0	245	24.7	8.1	29.2	29.2	94.9	94.9	6.7	6.7	5.0	5.0	<2	87	88	88	822094	808831	<0.2	1.3	<0.2	1.3								
					Middle	4.0	28	260	24.7	24.7	8.1	8.1	29.2	29.2	94.9	94.9	6.7	6.7	5.0	5.0	<2	87	88	88	822094	808831	<0.2	1.3	<0.2	1.3					
						6.9	2.9	248	24.5	24.5	8.1	8.1	30.1	30.1	95.0	95.0	6.7	6.7	7.2	6.7	<2	89	89	89	822094	808831	<0.2	1.3	<0.2	1.3					
						6.9	3.1	255	24.5	24.5	8.1	8.1	30.1	30.1	95.0	95.0	6.7	6.7	7.1	6.7	<2	89	89	89	822094	808831	<0.2	1.3	<0.2	1.3					
					IM10	Rainy	Moderate	14:57	8.1	Surface	1.0	0.7	100	24.7	24.7	8.1	8.1	28.3	28.3	104.1	104.0	7.4	7.1	3.1	3	3	86	86	86	822364	809814	<0.2	1.3	<0.2	1.3
											1.0	0.7	100	24.7	24.7	8.1	8.1	28.3	28.3	103.9	103.9	7.4	7.1	3.0	3	3	86	86	86	822364	809814	<0.2	1.3	<0.2	1.3
											4.1	0.7	108	24.7	24.7	8.1	8.1	29.2	29.2	95.3	95.3	6.7	6.7	5.3	3	4	87	88	88	822364	809814	<0.2	1.3	<0.2	1.3
Middle	4.1	0.7	112	24.7						24.7	8.1	8.1	29.2	29.2	95.2	95.2	6.7	6.7	5.3	4	4	88	88	88	822364	809814	<0.2	1.3	<0.2	1.3					
	7.1	0.4	99	24.6						24.6	8.1	8.1	29.5	29.5	93.7	93.7	6.6	6.6	7.3	5	5	89	89	89	822364	809814	<0.2	1.3	<0.2	1.3					
	7.1	0.4	102	24.6						24.6	8.1	8.1	29.5	29.5	93.6	93.6	6.6	6.6	7.5	5	5	89	89	89	822364	809814	<0.2	1.3	<0.2	1.3					
IM11	Rainy	Moderate	15:07	8.7						Surface	1.0	1.9	261	24.8	24.8	8.1	8.1	28.4	28.4	101.8	101.8	7.2	7.0	3.1	5	5	85	85	85	822050	811453	<0.2	1.3	<0.2	1.3
											1.0	1.9	283	24.8	24.8	8.1	8.1	28.4	28.4	101.8	101.8	7.2	7.0	3.2	3	3	85	85	85	822050	811453	<0.2	1.3	<0.2	1.3
											4.4	1.9	264	24.8	24.8	8.1	8.1	28.7	28.7	95.4	95.4	6.7	6.7	3.8	4	5	87	87	87	822050	811453	<0.2	1.3	<0.2	1.3
					Middle	4.4	1.9	275	24.8	24.8	8.1	8.1	28.7	28.7	95.3	95.3	6.7	6.7	3.8	5	5	88	88	88	822050	811453	<0.2	1.3	<0.2	1.3					
						7.7	2.2	268	24.6	24.6	8.0	8.0	29.8	29.8	87.2	87.3	6.1	6.1	11.8	4	4	89	89	89	822050	811453	<0.2	1.3	<0.2	1.3					
						7.7	2.3	279	24.6	24.6	8.0	8.0	29.8	29.8	87.3	87.3	6.1	6.1	11.6	4	4	89	89	89	822050	811453	<0.2	1.3	<0.2	1.3					
					IM12	Rainy	Moderate	15:13	8.3	Surface	1.0	0.5	95	24.8	24.8	8.1	8.1	28.5	28.5	97.0	96.9	6.8	6.6	3.8	8	8	85	84	84	821475	812052	<0.2	1.3	<0.2	1.3
											1.0	0.5	97	24.8	24.8	8.1	8.1	28.5	28.5	96.7	96.7	6.8	6.6	3.9	9	9	84	84	84	821475	812052	<0.2	1.3	<0.2	1.3
											4.2	0.4	116	24.7	24.7	8.1	8.1	29.6	29.6	89.2	89.3	6.3	6.3	10.2	5	6	86	86	86	821475	812052	<0.2	1.3	<0.2	1.3
Middle	4.2	0.4	125	24.7						24.7	8.1	8.1	29.6	29.6	89.3	89.3	6.3	6.3	10.2	4	4	87	87	87	821475	812052	<0.2	1.3	<0.2	1.3					
	7.3	0.2	92	24.7						24.7	8.0	8.0	29.7	29.7	88.2	88.2	6.2	6.2	12.8	3	3	89	89	89	821475	812052	<0.2	1.3	<0.2	1.3					
	7.3	0.2	92	24.7						24.7	8.0	8.0	29.7	29.7	88.2	88.2	6.2	6.2	12.8	4	4	90	90	90	821475	812052	<0.2	1.3	<0.2	1.3					
SR1A	Rainy	Moderate	15:44	5.6						Surface	1.0	-	-	24.8	24.8	8.1	8.1	28.7	28.7	93.8	93.8	6.6	6.6	4.1	5	5	-	-	-	819978	812658	-	-	-	-
											1.0	-	-	24.8	24.8	8.1	8.1	28.7	28.7	93.8	93.8	6.6	6.6	4.1	6	6	-	-	-	819978	812658	-	-	-	-
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819978	812658	-	-	-	-			
						4.6	-	-	24.8	24.8	8.1	8.1	28.9	28.9	93.4	93.5	6.6	6.6	3.6	5	5	-	-	-	-	-	819978	812658	-	-	-	-			
						4.6	-	-	24.8	24.8	8.1	8.1	28.9	28.9	93.5	93.5	6.6	6.6	3.5	6	6	-	-	-	-	-	819978	812658	-	-	-	-			
					SR2	Rainy	Moderate	15:57	3.9	Surface	1.0	0.5	86	24.7	24.7	8.0	8.0	29.4	29.4	89.7	89.7	6.3	6.3	6.2	4	5	85	84	84	821461	814152	<0.2	1.3	<0.2	1.3
											1.0	0.5	90	24.7	24.7	8.0	8.0	29.4	29.4	89.6	89.6	6.3	6.3	6.3	5	4	85	85	85	821461	814152	<0.2	1.3	<0.2	1.3
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821461	814152	<0.2	1.3	<0.2	1.3			
	2.9	0.3	78	24.7						24.7	8.0	8.0	29.5	29.5	88.9	89.0	6.3	6.3	8.0	4	4	85	85	85	821461	814152	<0.2	1.3	<0.2	1.3					
	2.9	0.3	80	24.7						24.7	8.0	8.0	29.5	29.5	89.0	89.0	6.3	6.3	7.9	3	3	86	86	86	821461	814152	<0.2	1.3	<0.2	1.3					
SR3	Rainy	Moderate	14:36	9.8						Surface	1.0	1.7	20	25.0	25.0	8.1	8.1	28.0	28.0	98.6	98.6	7.0	6.8	2.4	3	3	-	-	-	822128	807576	-	-	-	-
											1.0	1.8	21	25.0	25.0	8.1	8.1	28.0	28.0	98.5	98.5	7.0	6.8	2.4	3	3	-	-	-	822128	807576	-	-	-	-
											4.9	1.8	19	24.8	24.8	8.1	8.1	29.1	29.1	93.6	93.5	6.6	6.6	5.3	4	4	-	-	-	822128	807576	-	-	-	-
					Middle	4.9	1.9	19	24.8	24.8	8.1	8.1	29.1	29.1	93.4	93.5	6.6	6.6	5.4	5	5	-	-	-	-	-	822128	807576	-	-	-	-			
						8.8	1.7	14	24.6	24.6	8.1	8.1	30.3	30.3	96.0	96.0	6.7	6.7	8.4	5	5	-	-	-	-	-	822128	807576	-	-	-	-			
						8.8	1.8	15	24.6	24.6	8.1	8.1	30.3	30.3	96.0	96.0	6.7	6.7	8.4	4	4	-	-	-	-	-	822128	807576	-	-	-	-			
					SR4A	Rainy	Calm	15:47	9.2	Surface	1.0	0.0	83	24.6	24.6	8.1	8.1	32.1	32.1	99.2	99.2	6.9	6.8	3.7	6	6	-	-	-	817201	807804	-	-	-	-
											1.0	0.0	90	24.6	24.6	8.1	8.1	32.1	32.1	99.2	99.2	6.9	6.8	3.8	6	6	-	-	-	817201	807804	-	-	-	-
											4.6	-	264	24.6	24.6	8.1	8.1	32.3	32.3	95.7	95.6	6.6	6.6	4.4	7	7	-	-	-	817201	807804	-	-	-	-
Middle	4.6	-	280	24.6						24.6	8.1	8.1	32.3	32.3	95.5	95.5	6.6	6.6	4.5	6	6	-	-	-	-	-	817201	807804	-	-	-	-			
	8.2	0.0	246	24.6						24.6	8.1	8.1	32.3	32.3	94.9	95.0	6.6	6.6	4.7	8	8	-	-	-	-	-	817201	807804	-	-	-	-			
	8.2	0.0	265	24.6						24.6	8.1	8.1	32.3	32.3	95.0	95.0	6.6	6.6	4.7	9	9	-	-	-	-	-	817201	807804	-	-	-	-			

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

Water Quality Monitoring Results on 17 April 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)					
						Speed (m/s)	Direction	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	Value	DA			
C1	Rainy	Calm	09:30	8.6	Surface	1.0	0.7	41	24.5	24.5	8.1	8.1	32.6	32.6	101.8	101.7	7.1	7.1	4.0	7	85	87	87	87	815631	804229	<0.2	1.0	0.9	0.9		
						1.0	0.7	41	24.5	24.5	8.1	8.1	32.6	32.6	101.6	101.7	7.0	7.0	4.2	8	85	87	87	87	815631	804229	<0.2	1.0	0.9	0.9		
						4.3	0.5	36	24.5	24.5	8.1	8.1	33.2	33.2	100.9	100.8	7.0	7.0	6.8	7	86	87	87	87	815631	804229	<0.2	1.0	0.8	0.8		
					4.3	0.5	39	24.5	24.5	8.1	8.1	33.2	33.2	100.7	100.7	7.0	7.0	6.7	8	87	87	87	87	815631	804229	<0.2	1.0	0.8	0.8			
					7.6	0.4	37	24.4	24.4	8.1	8.1	33.4	33.4	100.0	100.0	6.9	6.9	8.0	6	89	89	89	89	815631	804229	<0.2	1.0	0.8	0.8			
					7.6	0.5	36	24.4	24.4	8.1	8.1	33.3	33.3	99.9	99.9	6.9	6.9	7.8	6	89	89	89	89	815631	804229	<0.2	1.0	0.9	0.9			
C2	Cloudy	Moderate	10:30	12.2	Surface	1.0	0.3	350	25.3	25.3	8.1	8.1	27.4	27.4	105.1	105.3	7.4	7.4	2.1	5	88	88	88	88	825697	806942	<0.2	1.2	1.3	1.3		
						1.0	0.3	351	25.3	25.3	8.1	8.1	27.4	27.4	105.4	105.4	7.4	7.4	2.1	4	89	89	89	89	825697	806942	<0.2	1.2	1.3	1.3		
						6.1	0.4	28	24.9	24.9	8.1	8.1	28.2	28.2	97.0	97.0	6.8	6.8	3.3	6	90	90	90	90	825697	806942	<0.2	1.2	1.3	1.3		
					6.1	0.4	29	24.9	24.9	8.1	8.1	28.2	28.2	97.0	97.0	6.8	6.8	3.3	5	91	91	91	91	825697	806942	<0.2	1.2	1.3	1.3			
					11.2	0.4	346	24.8	24.8	8.1	8.1	28.5	28.5	97.0	97.1	6.8	6.8	5.7	9	93	93	93	93	825697	806942	<0.2	1.3	1.4	1.4			
					11.2	0.4	348	24.8	24.8	8.1	8.1	28.5	28.5	97.1	97.1	6.8	6.8	5.6	9	92	92	92	92	825697	806942	<0.2	1.3	1.4	1.4			
C3	Rainy	Moderate	08:30	11.1	Surface	1.0	0.3	241	24.7	24.7	8.1	8.1	29.0	29.0	95.8	95.8	6.8	6.8	2.8	4	87	87	87	87	822115	817788	<0.2	1.6	1.5	1.5		
						1.0	0.3	253	24.7	24.7	8.1	8.1	29.0	29.0	95.8	95.8	6.7	6.7	2.7	5	86	86	86	86	822115	817788	<0.2	1.5	1.4	1.4		
						5.6	0.4	252	24.5	24.5	8.0	8.0	30.3	30.3	89.0	89.0	6.2	6.2	2.8	4	91	91	91	91	822115	817788	<0.2	1.4	1.4	1.4		
					5.6	0.4	255	24.5	24.5	8.0	8.0	30.3	30.3	89.0	89.0	6.2	6.2	2.8	3	91	91	91	91	822115	817788	<0.2	1.4	1.4	1.4			
					10.1	0.4	266	24.4	24.4	8.0	8.0	31.1	31.1	85.9	86.0	6.0	6.0	14.7	3	92	92	92	92	822115	817788	<0.2	1.4	1.4	1.4			
					10.1	0.4	269	24.4	24.4	8.0	8.0	31.1	31.1	86.0	86.0	6.0	6.0	14.8	4	92	92	92	92	822115	817788	<0.2	1.3	1.3	1.3			
IM1	Rainy	Calm	09:49	5.6	Surface	1.0	0.1	25	24.6	24.6	8.1	8.1	32.2	32.2	98.7	98.8	6.8	6.8	5.9	5	86	86	86	86	817935	807142	<0.2	1.2	1.2	1.2		
						1.0	0.1	26	24.6	24.6	8.1	8.1	32.2	32.2	98.9	98.9	6.9	6.9	5.4	6	87	87	87	87	817935	807142	<0.2	1.2	1.2	1.2		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.6	0.1	20	24.6	24.6	8.0	8.0	32.3	32.3	98.2	98.2	6.8	6.8	6.8	6	89	89	89	89	817935	807142	<0.2	1.2	1.1	1.1			
					4.6	0.1	21	24.6	24.6	8.0	8.0	32.3	32.3	98.1	98.1	6.8	6.8	6.7	7	89	89	89	89	817935	807142	<0.2	1.1	1.1	1.1			
					1.0	0.3	10	24.5	24.5	8.1	8.1	31.7	31.8	100.2	100.2	7.0	7.0	5.5	6	85	85	85	85	817935	807142	<0.2	1.2	1.2	1.2			
IM2	Rainy	Calm	09:57	7.4	Surface	1.0	0.3	10	24.5	24.5	8.1	8.1	31.8	31.8	100.1	100.2	7.0	7.0	5.1	7	85	85	85	85	818186	806159	<0.2	1.3	1.3	1.3		
						3.7	0.2	350	24.6	24.6	8.1	8.1	32.3	32.3	99.4	99.3	6.9	6.9	8.2	6	88	88	88	88	818186	806159	<0.2	1.3	1.3	1.3		
						3.7	0.2	322	24.6	24.6	8.1	8.1	32.3	32.3	99.1	99.1	6.9	6.9	8.1	5	88	88	88	88	818186	806159	<0.2	1.3	1.3	1.3		
					6.4	0.2	344	24.6	24.6	8.1	8.1	32.3	32.3	99.1	99.1	6.9	6.9	8.5	5	90	90	90	90	818186	806159	<0.2	1.1	1.1	1.1			
					6.4	0.2	316	24.6	24.6	8.1	8.1	32.3	32.3	99.2	99.2	6.9	6.9	8.4	6	90	90	90	90	818186	806159	<0.2	1.2	1.2	1.2			
					1.0	0.4	344	24.5	24.5	8.1	8.1	32.0	32.1	99.0	98.9	6.9	6.9	6.7	4	89	89	89	89	818186	806159	<0.2	1.2	1.2	1.2			
IM3	Rainy	Calm	10:04	7.6	Surface	1.0	0.4	316	24.6	24.6	8.1	8.1	32.2	32.1	98.8	98.9	6.9	6.9	6.2	4	87	87	87	87	818186	806159	<0.2	1.2	1.2	1.2		
						3.8	0.3	336	24.6	24.6	8.1	8.1	32.3	32.3	98.4	98.4	6.8	6.8	7.8	4	88	88	88	88	818186	806159	<0.2	1.2	1.2	1.2		
						3.8	0.3	345	24.6	24.6	8.1	8.1	32.3	32.3	98.4	98.4	6.8	6.8	7.8	5	89	89	89	89	818186	806159	<0.2	1.2	1.2	1.2		
					6.6	0.3	324	24.6	24.6	8.1	8.1	32.4	32.4	98.3	98.4	6.8	6.8	8.5	5	90	90	90	90	818186	806159	<0.2	1.2	1.2	1.2			
					6.6	0.3	340	24.6	24.6	8.1	8.1	32.4	32.4	98.4	98.4	6.8	6.8	8.6	5	91	91	91	91	818186	806159	<0.2	1.2	1.3	1.3			
					1.0	0.6	329	24.6	24.6	8.1	8.1	32.1	32.1	99.1	99.1	6.9	6.9	7.4	5	85	85	85	85	818186	806159	<0.2	1.3	1.2	1.2			
IM4	Rainy	Calm	10:13	8.6	Surface	1.0	0.6	338	24.6	24.6	8.1	8.1	32.1	32.1	99.0	99.1	6.9	6.9	7.0	5	85	85	85	85	819730	804589	<0.2	1.2	1.2	1.2		
						4.3	0.5	346	24.6	24.6	8.1	8.1	32.2	32.2	98.6	98.6	6.8	6.8	8.8	6	88	88	88	88	819730	804589	<0.2	1.2	1.3	1.2		
						4.3	0.5	318	24.6	24.6	8.1	8.1	32.2	32.2	98.6	98.6	6.8	6.8	8.6	5	88	88	88	88	819730	804589	<0.2	1.2	1.3	1.2		
					7.6	0.4	357	24.5	24.5	8.1	8.1	32.3	32.3	98.6	98.5	6.8	6.8	9.8	6	91	91	91	91	819730	804589	<0.2	1.2	1.2	1.2			
					7.6	0.4	328	24.5	24.5	8.1	8.1	32.3	32.3	98.3	98.3	6.8	6.8	9.9	5	91	91	91	91	819730	804589	<0.2	1.1	1.1	1.1			
					1.0	0.8	352	24.6	24.6	8.1	8.1	32.1	32.1	98.6	98.5	6.8	6.8	5.1	3	85	85	85	85	819730	804589	<0.2	1.2	1.3	1.3			
IM5	Rainy	Calm	10:19	8.0	Surface	1.0	0.9	324	24.6	24.6	8.1	8.1	32.1	32.1	98.3	98.5	6.8	6.8	5.1	4	85	85	85	85	820714	804881	<0.2	1.2	1.3	1.3		
						4.0	0.7	358	24.6	24.6	8.1	8.1	32.2	32.2	98.1	98.1	6.8	6.8	6.3	3	89	89	89	89	820714	804881	<0.2	1.4	1.4	1.4		
						4.0	0.7	329	24.6	24.6	8.1	8.1	32.2	32.2	98.1	98.1	6.8	6.8	6.5	4	90	90	90	90	820714	804881	<0.2	1.2	1.4	1.4		
					7.0	0.6	3	24.6	24.6	8.1	8.1	32.2	32.2	98.0	98.0	6.8	6.8	7.1	3	91	91	91	91	820714	804881	<0.2	1.4	1.4	1.4			
					7.0	0.6	3	24.6	24.6	8.1	8.1	32.2	32.2	97.9	97.9	6.8	6.8	7.4	4	90	90	90	90	820714	804881	<0.2	1.3	1.3	1.3			
					1.0	0.1	211	24.8	24.8	8.1	8.1	30.1	30.2	101.7	101.5	7.1	7.1	2.2	5	85	85	85	85	821073	805834	<0.2	1.3	1.4	1.4			
IM6	Rainy	Calm	10:27	7.8	Surface	1.0	0.1	213	24.8	24.8	8.1	8.1	30.2	30.2	101.2	101.2	7.1	7.1	2.3	5	86	86	86	86	821073	805834	<0.2	1.4	1.4	1.4		
						3.9	0.2	58	24.7	24.7	8.1	8.1	31.1	31.0	100.4	100.1	7.0	7.0	2.6	4	87	87	87	87	821073	805834	<0.2	1.4	1.4	1.4		
						3.9	0.2	62	24.7	24.7	8.1	8.1	30.9	31.0	99.7	99.7	7.0	7.0	2.7	5	87	87	87	87	821073	805834	<0.2	1.4	1.4	1.4		
					6.8	0.2	50	24.6	24.6	8.1	8.1	31.8																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 April 21 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	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	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Calm	18:09	8.4	Surface	1.0	0.3	216	23.7	23.7	8.1	8.1	33.2	33.2	105.4	105.2	7.4	7.1	2.7	7.1	4	3.3	88	91	815619	804227	<0.2	0.7	<0.2	0.6			
						1.0	0.3	217	23.7	23.7	8.1	8.1	33.2	33.2	105.0	105.2	7.3	7.1	2.7	7.1	5	3.3	88	91	815619	804227	<0.2	0.6	<0.2	0.6			
					Middle	4.2	0.2	200	23.5	23.5	8.1	8.1	33.8	33.8	98.4	98.4	6.9	6.9	3.4	6.9	8	6.9	8	7	92	91	815619	804227	<0.2	0.6	<0.2	0.7	
						4.2	0.2	212	23.5	23.5	8.1	8.1	33.8	33.8	98.4	98.4	6.9	6.9	3.4	6.9	8	6.9	8	7	92	91	815619	804227	<0.2	0.6	<0.2	0.7	
					Bottom	7.4	0.2	185	23.5	23.5	8.1	8.1	34.0	34.0	98.5	98.6	6.9	6.9	3.8	6.9	10	6.9	10	6.9	93	91	815619	804227	<0.2	0.6	<0.2	0.7	
						7.4	0.2	195	23.5	23.5	8.1	8.1	34.0	34.0	98.6	98.6	6.9	6.9	3.8	6.9	9	6.9	9	6.9	93	91	815619	804227	<0.2	0.6	<0.2	0.7	
C2	Fine	Moderate	16:57	11.5	Surface	1.0	0.3	180	24.1	24.1	8.1	8.1	28.0	28.0	94.4	94.2	6.8	6.7	0.3	6.7	6	1.9	85	88	825665	806927	<0.2	1.1	<0.2	1.2			
						1.0	0.3	181	24.1	24.1	8.1	8.1	28.1	28.0	94.0	94.2	6.7	6.7	0.3	6.7	6	1.9	86	88	825665	806927	<0.2	1.0	<0.2	1.0			
					Middle	5.8	0.9	164	24.2	24.2	8.1	8.0	28.4	28.3	91.9	92.0	6.6	6.6	2.2	6.6	6	1.9	6	6	88	88	825665	806927	<0.2	0.9	<0.2	0.9	
						5.8	1.0	176	24.2	24.2	8.0	8.0	28.3	28.3	92.0	92.0	6.6	6.6	2.3	6.6	5	6.0	6	6	89	88	825665	806927	<0.2	1.0	<0.2	0.9	
					Bottom	10.5	0.3	199	24.2	24.2	8.0	8.0	30.1	30.1	84.3	84.5	6.0	6.0	3.1	6.0	5	6.0	5	6.0	90	88	825665	806927	<0.2	0.9	<0.2	0.9	
						10.5	0.3	218	24.2	24.2	8.0	8.0	30.1	30.1	84.7	84.5	6.0	6.0	3.1	6.0	6	6.0	6	6.0	90	88	825665	806927	<0.2	0.9	<0.2	0.9	
C3	Fine	Moderate	18:54	12.6	Surface	1.0	0.4	45	23.9	23.9	8.1	8.1	31.7	31.7	88.0	88.0	6.2	6.0	0.7	6.0	6	2.7	85	88	822122	817795	<0.2	1.0	<0.2	0.9			
						1.0	0.4	46	23.9	23.9	8.1	8.1	31.7	31.7	87.9	88.0	6.2	6.0	0.8	6.0	6	2.7	85	88	822122	817795	<0.2	0.9	<0.2	0.9			
					Middle	6.3	0.2	21	23.8	23.8	8.0	8.0	32.1	32.1	82.0	82.0	5.8	5.8	2.9	5.8	5	6.0	5	5	88	88	822122	817795	<0.2	1.0	<0.2	1.0	
						6.3	0.2	21	23.7	23.8	8.0	8.0	32.1	32.1	81.9	82.0	5.8	5.8	3.0	5.8	6	6.0	5	5	89	88	822122	817795	<0.2	0.9	<0.2	1.0	
					Bottom	11.6	0.1	60	23.7	23.7	8.0	8.0	32.1	32.1	83.6	83.9	5.9	5.9	4.4	5.9	4	6.0	4	6.0	90	88	822122	817795	<0.2	1.0	<0.2	1.0	
						11.6	0.1	63	23.7	23.7	8.0	8.0	32.1	32.1	84.1	83.9	5.9	5.9	4.5	5.9	5	6.0	5	6.0	90	88	822122	817795	<0.2	1.0	<0.2	1.0	
IM1	Fine	Calm	17:48	5.0	Surface	1.0	0.1	181	23.9	23.9	8.1	8.1	33.8	33.8	100.5	100.4	7.0	7.0	3.5	7.0	11	4.1	87	89	817968	807143	<0.2	0.7	<0.2	0.7			
						1.0	0.1	194	23.9	23.9	8.1	8.1	33.8	33.8	100.2	100.4	7.0	7.0	3.7	7.0	12	4.1	88	89	817968	807143	<0.2	0.7	<0.2	0.7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	-	10	89	817968	807143	<0.2	0.7	<0.2	0.7
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	-	10	89	817968	807143	<0.2	0.7	<0.2	0.7
					Bottom	4.0	0.1	217	23.9	23.9	8.1	8.1	33.9	33.9	100.5	100.5	7.0	7.0	4.6	7.0	8	7.0	8	4.1	90	89	817968	807143	<0.2	0.8	<0.2	0.7	
						4.0	0.1	221	23.9	23.9	8.1	8.1	33.9	33.9	100.4	100.5	7.0	7.0	4.5	7.0	9	7.0	9	4.1	91	89	817968	807143	<0.2	0.7	<0.2	0.7	
IM2	Fine	Calm	17:40	7.0	Surface	1.0	0.2	175	23.8	23.8	8.1	8.1	33.6	33.6	102.5	102.5	7.1	7.1	4.1	7.1	10	4.9	87	90	818168	806152	<0.2	0.8	<0.2	0.7			
						1.0	0.2	181	23.8	23.8	8.1	8.1	33.6	33.6	102.5	102.5	7.1	7.1	4.2	7.1	9	4.9	87	90	818168	806152	<0.2	0.7	<0.2	0.7			
					Middle	3.5	0.2	121	23.8	23.8	8.1	8.1	33.6	33.6	99.6	99.4	6.9	6.9	4.7	6.9	9	4.9	9	4.9	91	90	818168	806152	<0.2	0.6	<0.2	0.6	
						3.5	0.2	130	23.8	23.8	8.1	8.1	33.6	33.6	99.1	99.4	6.9	6.9	4.8	6.9	10	4.9	9	4.9	92	90	818168	806152	<0.2	0.7	<0.2	0.6	
					Bottom	6.0	0.2	143	23.7	23.7	8.1	8.1	33.9	33.9	98.2	98.3	6.9	6.9	5.7	6.9	9	7.0	9	4.9	92	90	818168	806152	<0.2	0.7	<0.2	0.7	
						6.0	0.2	150	23.7	23.7	8.1	8.1	33.9	33.9	98.3	98.3	6.9	6.9	5.8	6.9	8	7.0	8	4.9	93	90	818168	806152	<0.2	0.7	<0.2	0.7	
IM3	Fine	Moderate	17:32	7.2	Surface	1.0	0.2	216	23.7	23.7	8.1	8.1	33.3	33.3	102.8	102.8	7.2	7.1	2.9	7.1	10	3.7	89	91	818784	805603	<0.2	0.8	<0.2	0.8			
						1.0	0.2	234	23.7	23.7	8.1	8.1	33.3	33.3	102.8	102.8	7.2	7.1	2.9	7.1	11	3.7	89	91	818784	805603	<0.2	0.8	<0.2	0.8			
					Middle	3.6	0.1	198	23.7	23.7	8.1	8.1	33.4	33.4	100.5	100.1	7.0	7.0	3.5	7.0	8	3.7	8	3.7	92	91	818784	805603	<0.2	0.6	<0.2	0.7	
						3.6	0.1	208	23.7	23.7	8.1	8.1	33.5	33.4	99.7	100.1	7.0	7.0	3.6	7.0	9	3.7	9	3.7	92	91	818784	805603	<0.2	0.7	<0.2	0.6	
					Bottom	6.2	0.3	125	23.7	23.7	8.1	8.1	33.8	33.8	99.6	100.4	6.9	6.9	4.9	6.9	9	7.0	9	4.6	93	91	818784	805603	<0.2	0.7	<0.2	0.6	
						6.2	0.3	131	23.7	23.7	8.1	8.1	33.8	33.8	101.1	100.4	6.9	6.9	4.6	6.9	8	7.0	8	4.6	93	91	818784	805603	<0.2	0.6	<0.2	0.6	
IM4	Fine	Moderate	17:22	8.4	Surface	1.0	0.4	235	23.7	23.7	8.1	8.1	33.3	33.3	102.5	102.4	7.2	7.1	3.5	7.1	10	3.9	88	91	819704	804621	<0.2	0.6	<0.2	0.7			
						1.0	0.4	243	23.7	23.7	8.1	8.1	33.3	33.3	102.3	102.4	7.2	7.1	3.5	7.1	9	3.9	89	91	819704	804621	<0.2	0.6	<0.2	0.7			
					Middle	4.2	0.2	161	23.7	23.7	8.1	8.1	33.4	33.4	99.6	99.5	7.0	7.0	3.9	7.0	9	3.9	9	3.9	91	91	819704	804621	<0.2	0.6	<0.2	0.6	
						4.2	0.2	174	23.7	23.7	8.1	8.1	33.5	33.4	99.4	99.5	7.0	7.0	4.0	7.0	9	3.9	9	3.9	91	91	819704	804621	<0.2	0.6	<0.2	0.6	
					Bottom	7.4	0.2	142	23.7	23.7	8.1	8.1	33.6	33.6	99.7	99.7	7.0	7.0	4.1	7.0	7	7.0	7	4.1	92	91	819704	804621	<0.2	0.6	<0.2	0.6	
						7.4	0.2	143	23.7	23.7	8.1	8.1	33.6	33.6	99.7	99.7	7.0	7.0	4.1	7.0	7	7.0	7	4.1	93	91	819704	804621	<0.2	0.6	<0.2	0.7	
IM5	Fine	Moderate	17:14	8.0	Surface	1.0	0.3	212	23.7	23.7	8.1	8.1	33.3	33.3	101.2	101.2	7.1	7.1	4.2	7.1	5	4.5	91	92	820735	804862	<0.						

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

Water Quality Monitoring Results on 20 April 21 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	17:28	7.5	Surface	1.0	0.2	108	23.9	23.9	8.1	8.1	29.9	29.9	91.0	91.0	6.5	6.5	1.8	8	86	89	822085	808806	<0.2	0.9	<0.2	0.9					
						1.0	0.2	117	23.9	23.8	8.1	8.1	29.9	29.9	91.0	91.0	6.5	6.5	1.9	7	88	89	822085	808806	<0.2	0.9	<0.2	0.9					
						3.8	0.2	89	23.8	23.8	8.1	8.1	30.3	30.3	90.8	90.8	6.4	6.4	2.3	7	89	89	822085	808806	<0.2	1.0	<0.2	0.9					
					Middle	3.8	0.2	97	23.8	23.8	8.1	8.1	30.4	30.4	90.7	90.7	6.4	6.4	2.5	6	89	89	822085	808806	<0.2	1.0	<0.2	0.9					
						6.5	0.2	76	23.7	23.7	8.1	8.1	30.8	30.8	91.2	91.2	6.5	6.5	4.8	6	91	91	822085	808806	<0.2	0.9	<0.2	0.9					
						6.5	0.3	80	23.7	23.7	8.1	8.1	30.8	30.8	91.4	91.4	6.5	6.5	4.5	5	91	91	822085	808806	<0.2	0.9	<0.2	0.9					
					IM10	Fine	Moderate	17:35	7.7	Surface	1.0	0.5	100	23.9	23.9	8.0	8.0	29.8	29.8	92.7	92.6	6.6	6.6	1.5	5	86	89	822386	809780	<0.2	0.9	<0.2	0.9
											1.0	0.5	109	23.9	23.9	8.0	8.0	29.8	29.8	92.5	92.5	6.6	6.6	1.6	6	87	88	822386	809780	<0.2	0.9	<0.2	0.9
											3.9	0.5	117	23.8	23.9	8.0	8.0	30.2	30.2	91.4	91.4	6.5	6.5	2.1	6	88	88	822386	809780	<0.2	0.9	<0.2	0.9
Middle	3.9	0.6	122	23.9						23.9	8.0	8.0	30.2	30.2	91.4	91.4	6.5	6.5	2.1	7	88	88	822386	809780	<0.2	0.9	<0.2	0.9					
	6.7	0.4	98	23.9						23.9	8.0	8.0	30.4	30.4	91.2	91.2	6.0	6.0	2.9	7	91	91	822386	809780	<0.2	0.8	<0.2	0.8					
	6.7	0.4	98	23.9						23.9	8.0	8.0	30.4	30.4	91.2	91.2	6.0	6.0	2.9	8	91	91	822386	809780	<0.2	0.8	<0.2	0.8					
IM11	Fine	Moderate	17:45	8.1						Surface	1.0	0.8	104	23.9	23.9	8.1	8.1	30.1	30.1	92.8	92.8	6.6	6.6	1.3	8	86	88	822063	811463	<0.2	0.9	<0.2	0.9
											1.0	0.8	112	23.9	23.8	8.1	8.1	30.1	30.1	92.7	92.7	6.6	6.6	1.3	8	86	87	822063	811463	<0.2	0.9	<0.2	0.9
											4.1	0.6	119	23.8	23.8	8.0	8.0	30.2	30.2	91.5	91.5	6.5	6.5	1.3	6	87	87	822063	811463	<0.2	0.9	<0.2	0.9
					Middle	4.1	0.6	126	23.8	23.8	8.0	8.0	30.2	30.2	91.4	91.4	6.5	6.5	1.3	7	87	87	822063	811463	<0.2	0.9	<0.2	0.9					
						7.1	0.3	70	23.9	23.9	8.0	8.0	31.0	31.0	87.3	87.3	6.2	6.2	2.8	5	90	90	822063	811463	<0.2	0.9	<0.2	0.9					
						7.1	0.3	76	23.9	23.9	8.0	8.0	30.9	30.9	87.6	87.6	6.2	6.2	2.8	6	91	91	822063	811463	<0.2	1.0	<0.2	0.9					
					IM12	Fine	Moderate	17:52	9.4	Surface	1.0	0.6	118	23.9	23.9	8.0	8.0	30.4	30.4	89.0	88.9	6.3	6.3	1.6	4	86	89	821464	812037	<0.2	1.0	<0.2	0.9
											1.0	0.6	118	23.9	23.9	8.0	8.0	30.4	30.4	88.8	88.8	6.3	6.3	1.6	4	86	89	821464	812037	<0.2	1.0	<0.2	0.9
											4.7	0.5	102	23.9	23.9	8.0	8.0	30.6	30.6	87.5	87.5	6.2	6.2	1.9	5	89	90	821464	812037	<0.2	0.9	<0.2	0.9
Middle	4.7	0.5	104	23.9						23.9	8.0	8.0	30.6	30.6	87.4	87.4	6.2	6.2	2.0	6	90	90	821464	812037	<0.2	0.9	<0.2	0.9					
	8.4	0.3	87	23.9						23.9	8.0	8.0	30.9	30.9	88.5	88.5	6.3	6.3	3.3	5	91	91	821464	812037	<0.2	0.9	<0.2	0.9					
	8.4	0.3	88	23.9						23.9	8.0	8.0	30.9	30.9	88.7	88.7	6.3	6.3	3.1	6	92	92	821464	812037	<0.2	0.9	<0.2	0.9					
SR1A	Fine	Moderate	18:19	5.2						Surface	1.0	-	-	23.7	23.7	8.1	8.1	30.0	30.0	89.4	89.5	6.4	6.4	2.4	6	-	-	819975	812657	-	-	-	-
											1.0	-	-	23.7	23.7	8.1	8.1	30.1	30.1	89.5	89.5	6.4	6.4	2.4	7	-	-	819975	812657	-	-	-	-
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819975	812657	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819975	812657	-	-	-	-			
						4.2	-	-	23.7	23.7	8.1	8.1	30.1	30.1	91.3	91.6	6.5	6.6	4.0	6	-	-	-	-	819975	812657	-	-	-	-			
						4.2	-	-	23.6	23.7	8.1	8.1	30.1	30.1	91.8	91.8	6.6	6.6	4.1	5	-	-	-	-	819975	812657	-	-	-	-			
					SR2	Fine	Moderate	18:33	4.6	Surface	1.0	0.5	72	23.9	23.9	8.0	8.0	30.9	30.9	89.3	89.3	6.3	6.3	2.1	6	84	87	821479	814157	<0.2	0.9	<0.2	0.9
											1.0	0.5	77	23.9	23.9	8.0	8.0	30.9	30.9	89.2	89.2	6.3	6.3	2.1	7	85	85	821479	814157	<0.2	0.9	<0.2	0.9
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821479	814157	<0.2	0.9
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821479	814157	<0.2	0.9	<0.2	0.9			
	3.6	0.3	81	23.9						23.9	8.1	8.1	31.1	31.1	90.0	90.2	6.4	6.4	2.1	6	89	89	821479	814157	<0.2	0.9	<0.2	0.9					
	3.6	0.4	82	23.9						23.9	8.1	8.1	31.0	31.0	90.4	90.4	6.4	6.4	2.0	5	89	89	821479	814157	<0.2	0.9	<0.2	0.9					
SR3	Fine	Moderate	17:19	9.9						Surface	1.0	0.2	204	24.0	24.0	8.1	8.1	29.1	29.2	95.5	95.4	6.8	6.8	1.4	7	-	-	822147	807590	-	-	-	-
											1.0	0.2	215	24.0	24.0	8.1	8.1	29.3	29.3	95.2	95.2	6.8	6.8	1.4	7	-	-	822147	807590	-	-	-	-
											5.0	0.3	195	24.0	24.0	8.1	8.1	30.0	30.0	89.9	90.0	6.4	6.4	2.5	6	-	-	822147	807590	-	-	-	-
					Middle	5.0	0.3	198	23.9	23.9	8.1	8.1	30.1	30.0	90.0	90.0	6.4	6.4	2.8	5	-	-	822147	807590	-	-	-	-					
						8.9	0.1	180	23.7	23.7	8.1	8.1	31.3	31.3	90.1	90.2	6.4	6.4	4.1	4	-	-	822147	807590	-	-	-	-					
						8.9	0.1	196	23.7	23.7	8.1	8.1	31.3	31.3	90.2	90.2	6.4	6.4	4.2	4	-	-	822147	807590	-	-	-	-					
					SR4A	Fine	Calm	18:30	9.2	Surface	1.0	0.2	67	23.9	23.9	8.1	8.1	33.7	33.7	104.3	104.3	7.3	7.3	3.3	5	-	-	817212	807824	-	-	-	-
											1.0	0.2	68	23.9	23.9	8.1	8.1	33.7	33.7	104.3	104.3	7.3	7.3	3.4	9	-	-	817212	807824	-	-	-	-
											4.6	0.1	54	23.9	23.8	8.1	8.1	33.8	33.8	101.2	101.2	7.0	7.0	4.6	7	-	-	817212	807824	-	-	-	-
Middle	4.6	0.1	58	23.8						23.8	8.1	8.1	33.8	33.8	101.1	101.1	7.0	7.0	4.5	5	-	-	817212	807824	-	-	-	-					
	8.2	0.1	67	23.8						23.8	8.1	8.1	33.8	33.8	101.1	101.3	7.0	7.1	4.7	6	-	-	817212	807824	-	-	-	-					
	8.2	0.1	67	23.8						23.8	8.1	8.1	33.8	33.8	101.4	101.4	7.1	7.1	4.9	5	-	-	817212	807824	-	-	-	-					
SR5A	Fine	Calm	18:47	3.6						Surface	1.0	0.0	90	23.6	23.6	8.0	8.0	32.3	32.3	100.6	100.5	7.1	7.1	3.0	6	-	-	816591	810705	-	-	-	-
											1.0	0.0	98	23.6	23.6	8.0	8.0	32.3	32.3	100.3	100.3	7.1	7.1	3.1	5	-	-	816591	810705	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816591	810705	-	-
					Middle	-	-	-	-																								

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA				
																																		Value	DA	Value	DA
C1	Fine	Calm	05:29	8.6	Surface	1.0	0.7	57	23.8	23.8	8.1	8.1	32.9	32.9	101.9	101.7	7.1	7.1	2.7	2.7	6	6	86	86	88	815630	804225	<0.2	0.6	<0.2	0.6						
						1.0	0.8	58	23.8	23.8	8.1	8.1	32.9	32.9	101.4	101.7	7.1	7.1	2.8	2.8	5	5	86	86				<0.2	0.6								
						4.3	0.8	65	23.5	23.5	8.1	8.1	33.7	33.7	98.1	97.9	6.9	6.8	3.1	3.1	5	5	89	89				<0.2	0.5								
					4.3	0.9	70	23.5	23.5	8.1	8.1	33.7	33.7	97.7	97.6	6.8	6.8	3.2	3.2	4	4	89	89	<0.2				0.6									
					7.6	0.6	54	23.6	23.6	8.1	8.1	33.9	33.9	97.6	97.6	6.8	6.8	3.6	3.6	5	5	90	90	<0.2				0.6									
					7.6	0.6	56	23.6	23.6	8.1	8.1	33.9	33.9	98.3	98.3	6.9	6.9	3.5	3.5	4	4	90	90	<0.2				0.5									
C2	Fine	Moderate	07:01	11.1	Surface	1.0	0.5	312	24.1	24.1	8.1	8.1	28.2	28.2	93.1	93.1	6.7	6.7	0.3	0.3	6	6	86	86	90	825683	806926	<0.2	1.1	<0.2	1.2						
						1.0	0.5	335	24.1	24.1	8.1	8.1	28.2	28.2	93.0	93.0	6.7	6.7	0.3	0.3	5	5	87	87				<0.2	1.2								
						5.6	0.4	322	24.2	24.2	8.0	8.0	28.9	29.0	91.7	91.5	6.5	6.5	1.0	1.0	6	6	91	91				<0.2	1.2								
					5.6	0.4	349	24.2	24.2	8.0	8.0	29.1	29.1	91.3	91.3	6.5	6.5	1.1	1.1	5	5	91	91	<0.2				1.2									
					10.1	0.3	317	24.2	24.2	8.0	8.0	29.9	29.9	84.5	84.7	6.0	6.0	1.9	1.9	7	7	93	93	<0.2				1.1									
					10.1	0.3	323	24.2	24.2	8.0	8.0	30.0	30.0	84.8	84.8	6.0	6.0	1.9	1.9	7	7	93	93	<0.2				1.1									
C3	Fine	Moderate	05:02	11.8	Surface	1.0	0.5	290	23.8	23.8	8.0	8.0	31.3	31.3	87.3	87.3	6.2	6.2	0.5	0.5	3	3	86	86	89	822096	817795	<0.2	0.8	<0.2	0.8						
						1.0	0.5	314	23.8	23.8	8.0	8.0	31.5	31.5	86.1	86.1	6.1	6.1	0.8	0.8	3	3	89	89				<0.2	0.7								
						5.9	0.6	278	23.8	23.8	8.0	8.0	31.5	31.5	86.1	86.1	6.1	6.1	0.8	0.8	4	4	89	89				<0.2	0.8								
					5.9	0.6	278	23.8	23.8	8.0	8.0	31.5	31.5	86.1	86.1	6.1	6.1	0.8	0.8	4	4	89	89	<0.2				0.8									
					10.8	0.5	288	23.8	23.8	8.0	8.0	31.9	31.9	84.1	84.2	5.9	5.9	4.4	4.4	5	5	91	91	<0.2				0.9									
					10.8	0.5	315	23.8	23.8	8.0	8.0	31.9	31.9	84.3	84.3	5.9	5.9	4.8	4.8	5	5	91	91	<0.2				1.0									
IM1	Fine	Moderate	05:51	5.2	Surface	1.0	0.1	24	23.8	23.8	8.1	8.1	33.6	33.6	98.7	98.7	6.9	6.9	4.4	4.4	3	3	85	85	86	817940	807135	<0.2	0.6	<0.2	0.6						
						1.0	0.1	25	23.8	23.8	8.1	8.1	33.6	33.6	98.7	98.7	6.9	6.9	4.4	4.4	4	4	85	85				<0.2	0.6								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-
					4.2	0.2	38	23.8	23.8	8.0	8.0	33.7	33.7	95.3	95.4	6.6	6.6	6.6	6.6	5	5	89	89	<0.2				0.6									
					4.2	0.2	40	23.8	23.8	8.0	8.0	33.7	33.7	95.4	95.4	6.7	6.7	6.5	6.5	5	5	86	86	<0.2				0.7									
					4.2	0.2	40	23.8	23.8	8.0	8.0	33.7	33.7	95.4	95.4	6.7	6.7	6.5	6.5	5	5	86	86	<0.2				0.7									
IM2	Fine	Moderate	05:58	7.2	Surface	1.0	0.3	24	23.7	23.7	8.1	8.1	33.3	33.3	101.3	101.3	7.1	7.1	2.6	2.6	3	3	86	86	89	818179	806142	<0.2	0.6	<0.2	0.6						
						1.0	0.3	24	23.7	23.7	8.1	8.1	33.3	33.3	101.3	101.3	7.1	7.1	2.6	2.6	3	3	85	85				<0.2	0.6								
						3.6	0.5	39	23.7	23.7	8.1	8.1	33.3	33.3	100.6	100.5	7.0	7.0	3.6	3.6	4	4	89	89				<0.2	0.7								
					3.6	0.5	39	23.7	23.7	8.1	8.1	33.3	33.3	100.4	100.4	7.0	7.0	3.7	3.7	4	4	90	90	<0.2				0.7									
					6.2	0.2	11	23.8	23.8	8.1	8.0	33.9	33.9	97.2	97.2	6.8	6.8	7.8	7.8	6	6	91	91	<0.2				0.7									
					6.2	0.2	11	23.8	23.8	8.0	8.0	33.9	33.9	97.6	97.6	6.8	6.8	7.2	7.2	5	5	91	91	<0.2				0.7									
IM3	Fine	Moderate	06:04	7.4	Surface	1.0	0.3	6	23.7	23.7	8.1	8.1	33.2	33.2	101.1	100.9	7.1	7.1	3.6	3.6	5	5	87	87	89	818796	805594	<0.2	0.7	<0.2	0.7						
						1.0	0.3	6	23.7	23.7	8.1	8.1	33.2	33.2	100.7	100.7	7.1	7.1	3.9	3.9	6	6	89	89				<0.2	0.7								
						3.7	0.3	12	23.7	23.7	8.1	8.1	33.3	33.3	99.6	99.5	7.0	7.0	5.1	5.1	7	7	90	90				<0.2	0.7								
					3.7	0.3	13	23.7	23.7	8.1	8.1	33.3	33.3	99.3	99.3	7.0	7.0	5.2	5.2	6	6	91	91	<0.2				0.6									
					6.4	0.3	4	23.8	23.8	8.1	8.1	33.7	33.7	97.5	97.9	6.8	6.8	7.2	7.2	6	6	91	91	<0.2				0.8									
					6.4	0.3	4	23.8	23.8	8.1	8.1	33.7	33.7	98.2	98.2	6.8	6.8	7.1	7.1	7	7	87	87	<0.2				0.7									
IM4	Fine	Moderate	06:13	8.6	Surface	1.0	0.6	322	23.7	23.7	8.1	8.1	33.4	33.4	103.7	103.7	7.2	7.2	3.2	3.2	6	6	88	88	90	819713	804614	<0.2	0.6	<0.2	0.8						
						1.0	0.6	341	23.7	23.7	8.1	8.1	33.4	33.4	103.7	103.7	7.2	7.2	3.2	3.2	5	5	90	90				<0.2	0.6								
						4.3	0.5	335	23.7	23.7	8.1	8.1	33.4	33.4	101.2	101.2	7.1	7.1	3.6	3.6	5	5	91	91				<0.2	0.7								
					4.3	0.5	359	23.7	23.7	8.1	8.1	33.4	33.4	101.2	101.2	7.1	7.1	3.6	3.6	6	6	91	91	<0.2				0.7									
					7.6	0.5	354	23.8	23.8	8.1	8.1	33.5	33.5	97.3	97.3	6.8	6.8	4.3	4.3	6	6	92	92	<0.2				0.6									
					7.6	0.5	356	23.8	23.8	8.1	8.1	33.5	33.5	97.2	97.2	6.8	6.8	4.3	4.3	7	7	86	86	<0.2				0.6									
IM5	Fine	Moderate	06:21	8.0	Surface	1.0	0.8	342	23.7	23.7	8.1	8.1	33.3	33.3	100.6	100.7	7.0	7.0	4.2	4.2	7	7	86	86	89	820738	804887	<0.2	0.8	<0.2	0.8						
						1.0	0.9	356	23.7	23.7	8.1	8.1	33.3	33.3	100.8	100.8	7.0	7.0	4.2	4.2	6	6	87	87				<0.2	0.8								
						4.0	0.7	350	23.7	23.7	8.1	8.1	33.3	33.3	99.3	99.1	6.9	6.9	4.4	4.4	7	7	90	90				<0.2	0.7								
					4.0	0.7	355	23.7	23.7	8.1	8.1	33.3	33.3	98.9	98.9	6.9	6.9	4.5	4.5	6	6	91	91	<0.2				0.7									
					7.0	0.6	7	23.7	23.7	8.1	8.1	33.3	33.3	99.2	99.2	6.9	6.9	5.1	5.1	4	4	91	91	<0.2				0.7									
					7.0	0.6	7	23.7	23.7	8.1	8.1	33.3	33.3	99.2	99.2	6.9	6.9	5.2	5.2	5	5	86	86	<0.2				0.7									
IM6	Fine	Moderate	06:29	7.8	Surface	1.0	0.1	213	24.1	24.0	8.1	8.1	30.7	30.8	98.7	98.8	7.0	7.0	2.4	2.4	7	7	86	86	89	821077	805807	<0.2	0.9	<0.2	0.9						
						1.0	0.1	225	24.0	24.0	8.1	8.1	30.8	30.8	98.9	98.9	7.0	7.0	2.5	2.5	6	6	89	89				<0.2	0.9								
						3.9	0.2	65	23.9	23.9	8.1	8.1	31.6	31.5	97.2	97.2	6.8	6.8	3.2	3.2	5	5	89	89				<0.2	1.1								
					3.9	0.2	65	23.9	23.9	8.1	8.1	31.6	31.5	97.1	97.1	6.8	6.8	3.3	3.3	4	4	89	89	<0.2				1.1									
					6.8	0.2	54	23.7	23.7	8.0	8.0	33.2	33.2	95.6	95.8	6.7	6.7	4.4	4.4	4	4	91	91	<0.2				1.0									
					6.8	0.2	58	23.7	23.7	8.0	8.0	33.2	33.2	95.9	95.9	6.7	6.7	4.8	4.8	5	5	91	91	<0.2				1.0									
IM7	Fine	Moderate	06:37	9.0	Surface	1.0	0.0	1	24.1	24.1	8.0	8.0	30.3	30.3	96.9	96.6	6.9	6.9	2.0	2.0	4	4	88	88	90	821343	806840	<0.2	0.7	<0.2	0.6						
						1.0	0.0	1	24.1	24.1	8.0	8.0	30.3	30.3	96.3	96.3	6.8	6.8	2.1	2.1	3	3	88	88				<0.2	0.6								
						4.5	0.2	123	23.9	23.9	8.0	8.0	32.1	32.1	93.9	93.8	6.6	6.6	3.5	3.5	2	2	89	89				<0.2	1.1								
					4.5	0.2	131	23.9	23.9	8.0	8.0	32.1	32.1	93.6	93.6	6.6	6.6	3.5	3.5	2	2	90	90	<0.2				1.1									
					8.0	0.2	139	23.8	23.8	8.0	8.0	33.2	33.2	91.9	91.9	6.4	6.4	4.1	4.1	2</																	

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

Water Quality Monitoring Results on 20 April 21 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	06:25	7.0	Surface	1.0	0.0	256	24.0	24.0	8.1	8.1	29.4	29.4	91.4	91.3	6.5	6.5	2.2	2	86	89	89	822099	808805	<0.2	1.2	1.2	1.1					
						1.0	0.0	264	24.0	8.1	8.1	29.5	29.5	91.2	91.2	6.5	6.5	2.2	<2	86	89	89	89	89	89	<0.2	1.1	1.1	1.1					
						3.5	0.0	78	23.8	8.1	8.1	30.4	30.5	91.1	91.3	6.5	6.5	2.7	3	89	89	89	89	89	89	<0.2	1.2	1.2	1.1					
					Middle	3.5	0.0	83	23.8	8.1	8.1	30.6	30.6	91.3	91.3	6.5	6.5	2.7	4	89	89	89	89	89	89	89	89	<0.2	1.1	1.1	1.1			
						6.0	0.0	104	23.7	8.1	8.1	30.9	30.9	92.5	92.5	6.6	6.6	2.8	6	90	90	90	90	90	90	90	90	<0.2	1.1	1.1	1.1			
						6.0	0.0	111	23.7	8.1	8.1	30.9	30.9	92.7	92.7	6.6	6.6	2.9	5	91	91	91	91	91	91	91	91	<0.2	1.0	1.0	1.0			
					IM10	Fine	Moderate	06:19	7.7	Surface	1.0	0.8	276	23.9	23.9	8.0	8.0	29.7	29.7	86.8	86.6	6.2	6.1	2.1	<2	85	89	88	822396	809774	<0.2	1.1	1.2	1.2
											1.0	0.8	299	23.9	8.0	8.0	29.8	29.9	86.4	85.1	6.2	6.1	2.0	<2	85	89	89	89	89	89	<0.2	1.1	1.2	1.2
											3.9	0.6	288	23.9	8.0	8.0	30.0	29.9	85.1	85.1	6.1	6.1	2.2	2	89	89	89	89	89	89	<0.2	1.2	1.2	1.2
Middle	3.9	0.6	297	23.9						8.0	8.0	29.9	29.9	85.1	85.1	6.1	6.1	2.3	3	89	89	89	89	89	89	89	89	<0.2	1.2	1.2	1.2			
	6.7	0.5	261	23.9						8.0	8.0	30.3	30.3	77.8	77.9	5.5	5.5	4.4	2	90	90	90	90	90	90	<0.2	1.1	1.1	1.1					
	6.7	0.5	261	23.9						8.0	8.0	30.3	30.3	77.9	77.9	5.5	5.5	4.4	3	90	90	90	90	90	90	<0.2	1.1	1.1	1.1					
IM11	Fine	Moderate	06:09	8.0						Surface	1.0	0.8	294	23.7	23.7	8.1	8.0	30.0	30.0	91.8	91.7	6.6	6.5	1.4	<2	86	89	89	822061	811436	<0.2	1.2	1.2	1.1
											1.0	0.8	308	23.7	8.0	8.0	30.0	30.0	91.6	91.6	6.5	6.5	1.4	<2	87	89	89	89	89	89	<0.2	1.2	1.2	1.1
											4.0	0.6	281	23.7	8.0	8.0	30.2	30.3	90.2	90.1	6.4	6.4	1.8	2	89	89	89	89	89	89	<0.2	1.2	1.2	1.1
					Middle	4.0	0.6	303	23.7	8.0	8.0	30.3	30.3	89.9	89.9	6.4	6.4	2.0	2	90	90	90	90	90	90	90	90	<0.2	1.1	1.1	1.1			
						7.0	0.4	290	23.7	8.0	8.0	30.4	30.4	89.6	89.7	6.4	6.4	2.9	2	90	90	90	90	90	90	<0.2	1.0	1.0	1.0					
						7.0	0.4	303	23.7	8.0	8.0	30.4	30.4	89.7	89.7	6.4	6.4	3.0	3	90	90	90	90	90	90	<0.2	0.9	0.9	0.9					
					IM12	Fine	Moderate	06:04	9.5	Surface	1.0	0.7	261	23.7	23.7	8.1	8.0	30.0	30.0	91.9	91.9	6.6	6.5	1.6	<2	86	89	88	821481	812027	<0.2	0.9	0.9	0.9
											1.0	0.7	282	23.7	8.0	8.0	30.0	30.0	91.8	91.8	6.5	6.5	1.6	<2	85	89	89	89	89	89	<0.2	1.1	1.1	1.1
											4.8	0.7	273	23.7	8.0	8.0	30.2	30.2	90.1	90.0	6.4	6.4	3.2	2	89	89	89	89	89	89	<0.2	1.1	1.1	1.1
Middle	4.8	0.7	275	23.7						8.0	8.0	30.2	30.2	89.9	89.9	6.4	6.4	3.3	3	90	90	90	90	90	90	90	90	<0.2	1.2	1.2	1.2			
	8.5	0.5	270	23.8						8.0	8.0	30.6	30.5	90.4	90.7	6.4	6.5	3.2	2	90	90	90	90	90	90	<0.2	1.0	1.0	1.0					
	8.5	0.6	288	23.7						8.0	8.0	30.5	30.5	91.0	91.0	6.5	6.5	3.3	3	90	90	90	90	90	90	<0.2	1.0	1.0	1.0					
SR1A	Fine	Calm	05:37	5.6						Surface	1.0	-	-	23.6	23.6	8.0	8.0	29.8	29.9	87.6	87.5	6.3	6.3	0.9	2	-	-	-	819980	812665	-	-	-	-
											1.0	-	-	23.6	23.6	8.0	8.0	29.9	29.9	87.4	87.4	6.2	6.2	1.0	2	-	-	-	-	-	-	-	-	
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.6	-	-	23.7	23.7	8.0	8.0	30.2	30.2	87.6	87.7	6.2	6.3	1.2	3	-	-	-	-	-	-	-	-	-	-				
						4.6	-	-	23.7	23.7	8.0	8.0	30.2	30.2	87.7	87.7	6.3	6.3	1.2	3	-	-	-	-	-	-	-	-	-					
					SR2	Fine	Calm	05:23	4.7	Surface	1.0	0.1	21	23.7	23.7	8.0	8.0	30.3	30.3	90.0	90.0	6.4	6.4	1.6	2	88	88	88	821486	814165	<0.2	0.9	0.9	0.9
											1.0	0.1	22	23.7	8.0	8.0	30.3	30.3	90.0	90.0	6.4	6.4	1.7	3	87	89	89	89	89	89	<0.2	0.9	0.9	0.9
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.7	0.1	126	23.7						8.0	8.0	30.4	30.4	90.9	91.0	6.5	6.5	3.2	3	89	89	89	89	89	89	<0.2	0.8	0.8	0.8					
	3.7	0.1	135	23.7						8.0	8.0	30.4	30.4	91.0	91.0	6.5	6.5	3.2	2	89	89	89	89	89	89	<0.2	0.8	0.8	0.8					
SR3	Fine	Moderate	06:43	9.3						Surface	1.0	0.1	312	24.0	24.0	8.1	8.1	29.2	29.3	94.7	94.5	6.7	6.7	1.5	4	-	-	-	822162	807551	-	-	-	-
											1.0	0.1	330	24.0	8.1	8.1	29.4	29.3	94.3	94.3	6.7	6.7	1.6	3	-	-	-	-	-	-	-	-		
											4.7	0.1	346	24.0	8.1	8.1	30.0	30.0	87.7	87.8	6.2	6.2	2.3	3	-	-	-	-	-	-	-			
					Middle	4.7	0.1	355	24.0	8.1	8.1	30.0	30.0	87.9	87.9	6.2	6.2	2.3	2	-	-	-	-	-	-	-	-	-						
						8.3	0.1	83	23.7	8.1	8.1	31.2	31.2	89.3	89.4	6.3	6.3	3.5	3	-	-	-	-	-	-	-	-							
						8.3	0.1	86	23.7	8.1	8.1	31.2	31.2	89.4	89.4	6.3	6.3	3.4	2	-	-	-	-	-	-	-	-							
					SR4A	Fine	Calm	05:07	9.4	Surface	1.0	0.0	74	23.6	23.6	8.1	8.1	33.2	33.2	98.3	98.4	6.9	6.9	4.1	2	-	-	-	817188	807833	-	-	-	-
											1.0	0.0	79	23.6	8.1	8.1	33.2	33.2	98.4	98.4	6.9	6.9	4.3	2	-	-	-	-	-	-	-			
											4.7	0.1	90	23.8	8.1	8.1	33.7	33.7	96.1	96.0	6.7	6.7	5.5	3	-	-	-	-	-	-				
Middle	4.7	0.1	94	23.8						8.1	8.1	33.7	33.7	95.8	95.8	6.7	6.7	5.4	2	-	-	-	-	-	-	-								
	8.4	0.1	34	23.8						8.0	8.0	33.8	33.8	96.2	96.3	6.7	6.7	5.8	<2	-	-	-	-	-	-									
	8.4	0.1	35	23.8						8.0	8.0	33.8	33.8	96.3	96.3	6.7	6.7	5.8	<2	-	-	-	-	-	-									
SR5A	Fine	Calm	04:50	3.6						Surface	1.0	0.2	319	23.5	23.5	8.0	8.0	32.6	32.6	95.7	95.7	6.7	6.7	3.6	2	-	-	-	816598	810693	-	-	-	-
											1.0	0.2	325	23.5	8.0	8.0	32.6	32.6	95.7	95.7	6.7	6.7	3.5	2	-	-	-	-	-	-				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						2.6	0.2	320	23.5	8.0	8.0	32.8	32.8	96.3	96.6	6.8	6.8	4.7	3	-	-	-	-	-	-									
						2.6	0.2	343	23.4	7.9	8.0	32.8	32.8	96.9	96.6																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 April 21 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	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
						C1	Fine	Calm	10:25	8.6	Surface	1.0	0.1	72	24.5	24.4	8.2	8.2	28.4	28.6	133.8	131.4	9.5	8.6	3.4			5.4	2	3	84	87	815640
					Surface	1.0	0.1	75	24.2		8.2	8.2	28.8	28.6	128.9	111.8	9.2	8.6	3.4	5.4	3	3	86	87	815640	804239	<0.2	0.5	<0.2	0.5			
					Middle	4.3	0.1	80	23.7	23.7	8.0	8.0	32.2	32.3	112.0	111.8	7.9	7.6	5.8	5.4	3	3	88	87	815640	804239	<0.2	0.4	<0.2	0.5			
					Middle	4.3	0.1	87	23.7		8.0	8.0	32.3	32.3	111.5	111.8	7.9	7.6	5.8	5.4	2	3	90	87	815640	804239	<0.2	0.5	<0.2	0.6			
					Bottom	7.6	0.1	231	23.7	23.7	8.0	8.0	32.4	32.4	108.0	108.3	7.6	7.6	7.1	7.6	3	3	87	87	815640	804239	<0.2	0.5	<0.2	0.6			
					Bottom	7.6	0.1	234	23.7		8.0	8.0	32.4	32.4	108.6	108.3	7.6	7.6	7.0	7.6	3	3	89	87	815640	804239	<0.2	0.6	<0.2	0.6			
C2	Cloudy	Moderate	11:27	12.5	Surface	1.0	2.5	70	25.1	25.1	8.4	8.4	24.6	24.6	107.2	107.2	7.7	7.0	1.0	3.0	4	3	92	91	825661	806933	<0.2	2.3	<0.2	2.5			
					Surface	1.0	2.6	71	25.1		8.4	8.4	24.6	24.6	107.2	107.2	7.7	7.0	1.0	3.0	3	3	90	91	825661	806933	<0.2	2.3	<0.2	2.5			
					Middle	6.3	2.3	68	24.2	24.2	8.4	8.4	30.0	30.0	89.2	89.3	6.3	6.1	2.6	2.7	2	3	85	85	825661	806933	<0.2	2.1	<0.2	2.3			
					Middle	6.3	2.5	68	24.2		8.4	8.4	30.1	30.1	89.3	89.3	6.3	6.1	2.7	2.7	3	3	86	85	825661	806933	<0.2	2.3	<0.2	2.3			
					Bottom	11.5	2.4	67	24.1	24.1	8.4	8.4	30.8	30.8	86.8	86.9	6.1	6.1	5.5	5.4	2	3	99	91	825661	806933	<0.2	2.2	<0.2	2.2			
					Bottom	11.5	2.6	67	24.1		8.4	8.4	30.8	30.8	87.0	86.9	6.1	6.1	5.4	5.4	2	3	94	91	825661	806933	<0.2	2.1	<0.2	2.1			
C3	Cloudy	Moderate	08:55	12.6	Surface	1.0	3.7	7	24.1	24.1	8.1	8.1	30.3	30.3	95.5	95.5	6.8	6.4	1.0	2.9	3	3	82	85	822131	817797	<0.2	0.9	<0.2	0.9			
					Surface	1.0	4.0	7	24.1		8.1	8.1	30.3	30.3	95.4	95.5	6.7	6.4	1.0	2.9	3	3	88	85	822131	817797	<0.2	0.9	<0.2	0.9			
					Middle	6.3	3.4	7	23.9	23.9	8.1	8.1	31.8	31.8	86.4	86.4	6.1	6.1	2.1	2.1	3	3	84	85	822131	817797	<0.2	0.9	<0.2	0.9			
					Middle	6.3	3.5	7	23.9		8.1	8.1	31.8	31.8	86.4	86.4	6.1	6.1	2.1	2.1	3	3	83	85	822131	817797	<0.2	0.9	<0.2	0.9			
					Bottom	11.6	3.3	5	23.8	23.8	8.1	8.1	31.9	31.9	86.4	86.4	6.1	6.1	5.7	5.5	3	3	85	85	822131	817797	<0.2	0.9	<0.2	0.9			
					Bottom	11.6	3.5	5	23.8		8.1	8.1	31.9	31.9	86.4	86.4	6.1	6.1	5.5	5.5	2	3	90	85	822131	817797	<0.2	0.9	<0.2	0.9			
IM1	Fine	Calm	10:46	5.2	Surface	1.0	0.0	176	24.7	24.7	8.2	8.2	28.9	29.0	134.6	134.4	9.5	9.5	3.0	4.7	3	3	81	84	817946	807155	<0.2	0.5	<0.2	0.5			
					Surface	1.0	0.0	185	24.6		8.2	8.2	29.1	29.0	134.1	134.4	9.5	9.5	3.0	4.7	2	3	84	84	817946	807155	<0.2	0.5	<0.2	0.5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	3	-	84	817946	807155	<0.2	-	<0.2	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7	-	3	-	84	817946	807155	<0.2	-	<0.2	-		
					Bottom	4.2	0.1	112	24.5	24.5	8.1	8.1	30.1	30.1	123.6	123.7	8.7	8.7	6.4	6.4	4	4	82	88	817946	807155	<0.2	0.5	<0.2	0.5			
					Bottom	4.2	0.1	120	24.5		8.1	8.1	30.1	30.1	123.7	123.7	8.7	8.7	6.4	6.4	4	4	88	88	817946	807155	<0.2	0.5	<0.2	0.5			
IM2	Fine	Calm	10:55	7.0	Surface	1.0	0.1	215	24.5	24.5	8.2	8.1	28.7	28.8	135.7	135.4	9.6	9.2	3.1	4.7	2	3	86	87	818183	806184	<0.2	0.6	<0.2	0.5			
					Surface	1.0	0.1	218	24.5		8.1	8.1	28.9	28.8	135.0	135.4	9.6	9.2	3.0	4.7	2	3	86	87	818183	806184	<0.2	0.5	<0.2	0.5			
					Middle	3.5	0.1	126	24.2	24.2	8.1	8.1	30.1	30.2	124.9	124.6	8.8	8.8	5.2	4.7	4	3	88	87	818183	806184	<0.2	0.4	<0.2	0.5			
					Middle	3.5	0.1	131	24.1		8.1	8.1	30.4	30.2	124.2	124.6	8.8	8.8	5.2	4.7	4	3	80	87	818183	806184	<0.2	0.5	<0.2	0.5			
					Bottom	6.0	0.1	98	24.1	24.2	8.1	8.1	30.6	30.5	112.3	112.6	7.9	8.0	6.0	6.0	4	4	89	87	818183	806184	<0.2	0.5	<0.2	0.5			
					Bottom	6.0	0.1	100	24.2		8.1	8.1	30.3	30.5	112.9	112.6	8.0	8.0	5.9	5.9	4	4	92	87	818183	806184	<0.2	0.5	<0.2	0.5			
IM3	Fine	Calm	11:01	7.2	Surface	1.0	0.1	254	24.5	24.5	8.2	8.1	29.3	29.4	136.1	135.6	9.6	9.2	3.5	5.8	3	3	87	91	818787	805573	<0.2	0.5	<0.2	0.5			
					Surface	1.0	0.1	276	24.4		8.1	8.1	29.5	29.4	135.1	135.6	9.5	9.2	3.4	5.8	3	3	85	91	818787	805573	<0.2	0.6	<0.2	0.5			
					Middle	3.6	0.0	157	24.2	24.2	8.1	8.1	30.2	30.3	124.8	124.7	8.8	8.8	4.1	5.8	3	3	92	91	818787	805573	<0.2	0.5	<0.2	0.5			
					Middle	3.6	0.0	165	24.2		8.1	8.1	30.3	30.3	124.6	124.7	8.8	8.8	4.2	5.8	4	3	97	91	818787	805573	<0.2	0.5	<0.2	0.5			
					Bottom	6.2	0.1	102	23.9	23.9	8.1	8.1	31.3	31.3	111.1	111.2	7.8	7.8	9.9	7.8	4	4	97	91	818787	805573	<0.2	0.5	<0.2	0.5			
					Bottom	6.2	0.1	108	23.9		8.1	8.1	31.3	31.3	111.3	111.2	7.8	7.8	9.9	7.8	3	4	90	91	818787	805573	<0.2	0.4	<0.2	0.4			
IM4	Fine	Calm	11:11	8.6	Surface	1.0	0.2	200	24.4	24.4	8.1	8.1	30.0	30.1	121.4	121.2	8.6	8.3	3.9	5.8	3	3	86	87	819723	804601	<0.2	0.5	<0.2	0.5			
					Surface	1.0	0.2	218	24.3		8.1	8.1	30.2	30.1	121.0	121.2	8.5	8.3	3.9	5.8	2	3	88	87	819723	804601	<0.2	0.5	<0.2	0.5			
					Middle	4.3	0.1	178	24.2	24.2	8.1	8.0	30.8	30.9	114.2	114.2	8.0	8.0	6.1	6.1	3	3	82	87	819723	804601	<0.2	0.5	<0.2	0.5			
					Middle	4.3	0.1	193	24.1		8.0	8.0	31.0	30.9	114.1	114.2	8.0	8.0	6.1	6.1	2	3	85	87	819723	804601	<0.2	0.5	<0.2	0.5			
					Bottom	7.6	0.1	125	24.0	24.0	8.0	8.0	31.7	31.6	107.3	107.5	7.5	7.6	7.5	7.6	4	4	89	87	819723	804601	<0.2	0.4	<0.2	0.5			
					Bottom	7.6	0.1	131	24.0		8.0	8.0	31.6	31.6	107.7	107.5	7.6	7.6	7.5	7.6	3	4	92	87	819723	804601	<0.2	0.5	<0.2	0.5			
IM5	Fine	Calm	11:19	8.0	Surface	1.0	0.3	226	24.7	24.7	8.1	8.1	28.4	28.4	125.4	125.4	8.9	8.9	3.6	5.0	5	4	93	89	820749	804883	<0.2</						

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

Water Quality Monitoring Results on 22 April 21 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	7.1	Surface	1.0	2.2	317	24.7	24.7	8.2	8.2	27.1	27.1	106.5	106.5	7.6	7.6	2.2	3	88	92	92	822104	808799	<0.2	1.4	<0.2	1.2							
						1.0	2.2	327	24.7	8.2	8.2	27.1	27.1	106.5	106.5	7.6	7.6	2.3	3	90	92	92	92	92	822104	808799	<0.2	1.3	<0.2	1.2						
						3.6	2.1	319	24.6	8.1	8.1	28.3	28.3	92.9	93.0	6.6	6.6	3.3	4	92	97	97	97	97	822104	808799	<0.2	1.3	<0.2	1.2						
					Middle	3.6	2.2	330	24.6	8.1	8.1	28.4	28.4	93.0	93.0	6.6	6.6	3.6	3	97	97	97	97	97	822104	808799	<0.2	1.4	<0.2	1.4						
						6.1	2.3	313	24.5	8.2	8.2	28.8	28.8	94.0	94.1	6.7	6.7	6.1	4	92	91	91	91	91	822104	808799	<0.2	1.4	<0.2	1.4						
						6.1	2.3	315	24.5	8.2	8.2	28.8	28.8	94.2	94.2	6.7	6.7	6.4	3	91	91	91	91	91	822104	808799	<0.2	1.4	<0.2	1.4						
					IM10	Cloudy	Moderate	10:38	7.5	Surface	1.0	2.7	171	25.0	25.0	8.2	8.2	24.9	24.9	105.1	105.1	7.5	7.5	0.9	3	84	86	86	822378	809806	<0.2	1.6	<0.2	1.5		
											1.0	2.7	178	25.0	8.2	8.2	24.9	24.9	105.0	105.0	7.5	7.5	0.9	2	86	88	88	88	88	822378	809806	<0.2	1.5	<0.2	1.4	
											3.8	2.6	170	24.6	8.2	8.2	28.1	28.1	97.2	97.3	6.9	6.9	3.2	2	88	88	88	88	88	822378	809806	<0.2	1.4	<0.2	1.5	
Middle	3.8	2.7	173	24.6						8.2	8.2	28.1	28.1	97.3	97.3	6.9	6.9	3.6	3	88	88	88	88	88	822378	809806	<0.2	1.5	<0.2	1.5						
	6.5	2.8	171	24.5						8.2	8.2	29.2	29.2	96.9	97.0	6.8	6.8	6.4	3	90	90	90	90	90	822378	809806	<0.2	1.5	<0.2	1.5						
	6.5	3.0	183	24.5						8.2	8.2	29.2	29.2	97.0	97.0	6.9	6.9	6.4	4	92	92	92	92	92	822378	809806	<0.2	1.6	<0.2	1.6						
IM11	Cloudy	Moderate	10:23	7.8						Surface	1.0	3.0	118	24.9	24.9	8.1	8.1	26.9	26.9	96.1	96.1	6.8	6.8	1.1	2	98	95	95	822065	811472	<0.2	1.9	<0.2	1.8		
											1.0	3.0	126	24.9	8.1	8.1	27.0	27.0	96.1	96.1	6.8	6.8	1.1	2	95	87	87	87	87	822065	811472	<0.2	1.8	<0.2	1.9	
											3.9	2.9	120	24.3	8.2	8.1	29.5	29.5	94.4	94.4	6.7	6.7	2.3	2	87	85	85	85	85	822065	811472	<0.2	1.9	<0.2	1.9	
					Middle	3.9	2.9	130	24.3	8.1	8.1	29.5	29.5	94.3	94.3	6.7	6.7	2.3	3	85	84	84	84	84	822065	811472	<0.2	2.0	<0.2	2.0						
						6.8	2.9	120	24.1	8.1	8.1	30.5	30.5	86.9	86.9	6.1	6.1	2.3	2	84	88	88	88	88	822065	811472	<0.2	2.0	<0.2	2.0						
						6.8	3.0	126	24.1	8.1	8.1	30.5	30.5	86.9	86.9	6.1	6.1	2.3	2	88	88	88	88	88	822065	811472	<0.2	2.0	<0.2	2.0						
					IM12	Cloudy	Moderate	10:15	9.5	Surface	1.0	2.4	170	24.7	24.7	8.2	8.2	26.2	26.2	100.5	100.5	7.2	7.2	1.9	3	83	85	85	821443	812069	<0.2	2.0	<0.2	2.1		
											1.0	2.4	174	24.7	8.2	8.2	26.3	26.2	100.5	100.5	7.2	7.2	1.9	2	85	86	86	86	86	821443	812069	<0.2	1.9	<0.2	1.8	
											4.8	2.4	175	24.2	8.1	8.1	30.0	30.0	93.2	93.2	6.6	6.6	1.8	3	86	87	87	87	87	821443	812069	<0.2	1.9	<0.2	1.8	
Middle	4.8	2.6	178	24.1						8.1	8.1	30.0	30.0	93.1	93.1	6.6	6.6	1.9	2	87	88	88	88	88	821443	812069	<0.2	1.8	<0.2	1.8						
	8.5	2.5	173	24.0						8.1	8.1	30.7	30.7	84.4	84.5	6.0	6.0	5.5	2	88	88	88	88	88	821443	812069	<0.2	1.8	<0.2	1.8						
	8.5	2.7	178	24.0						8.1	8.1	30.7	30.7	84.5	84.5	6.0	6.0	5.7	2	88	88	88	88	88	821443	812069	<0.2	1.9	<0.2	1.9						
SR1A	Cloudy	Calm	09:37	5.0						Surface	1.0	-	-	24.2	24.2	8.2	8.2	29.6	29.6	96.8	96.8	6.9	6.9	2.2	<2	-	-	-	819976	812664	-	-	-	-		
											1.0	-	-	24.2	24.2	8.2	8.2	29.7	29.6	96.7	96.8	6.9	6.9	2.3	<2	-	-	-	-	-	819976	812664	-	-	-	-
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812664	-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812664	-	-	-	-					
						4.0	-	-	24.2	24.2	8.2	8.2	30.1	30.1	96.5	96.5	6.8	6.8	2.8	<2	-	-	-	-	-	819976	812664	-	-	-	-					
						4.0	-	-	24.2	24.2	8.2	8.2	30.1	30.1	96.5	96.5	6.8	6.8	2.6	<2	-	-	-	-	-	819976	812664	-	-	-	-					
					SR2	Cloudy	Moderate	09:20	4.5	Surface	1.0	0.1	15	24.2	24.2	8.2	8.2	29.8	29.8	100.1	100.1	7.1	7.1	1.5	<2	91	92	92	821448	814184	<0.2	2.0	<0.2	2.0		
											1.0	0.1	15	24.2	24.2	8.2	8.2	29.8	29.8	100.1	100.1	7.1	7.1	1.5	<2	92	-	-	-	-	821448	814184	<0.2	2.0	<0.2	2.0
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821448	814184	<0.2	2.0	<0.2	2.0
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821448	814184	<0.2	2.0	<0.2	2.0					
	3.5	0.1	20	24.1						24.1	8.2	8.2	30.1	30.1	95.1	95.1	6.7	6.7	2.3	3	85	85	85	85	85	821448	814184	<0.2	2.0	<0.2	2.0					
	3.5	0.1	20	24.1						24.1	8.2	8.2	30.1	30.1	95.1	95.1	6.7	6.7	2.6	2	85	85	85	85	85	821448	814184	<0.2	2.0	<0.2	2.0					
SR3	Cloudy	Moderate	11:00	9.0						Surface	1.0	2.3	195	24.8	24.8	8.3	8.3	26.7	26.7	117.7	117.7	8.4	8.4	1.9	3	-	-	-	822135	807557	-	-	-	-		
											1.0	2.5	211	24.8	24.8	8.3	8.3	26.7	26.7	117.6	117.6	8.4	8.4	1.9	3	-	-	-	-	-	822135	807557	-	-	-	-
											4.5	2.5	198	24.5	24.5	8.2	8.2	28.8	28.8	99.2	99.2	7.0	7.0	2.3	4	-	-	-	-	-	822135	807557	-	-	-	-
					Middle	4.5	2.7	208	24.5	24.5	8.2	8.2	28.8	28.8	99.2	99.2	7.0	7.0	2.4	3	-	-	-	-	-	822135	807557	-	-	-	-					
						8.0	2.7	195	24.5	24.5	8.2	8.2	29.2	29.1	99.8	99.8	7.1	7.1	2.9	3	-	-	-	-	-	822135	807557	-	-	-	-					
						8.0	2.8	202	24.5	24.5	8.2	8.2	29.1	29.1	99.8	99.8	7.1	7.1	3.2	3	-	-	-	-	-	822135	807557	-	-	-	-					
					SR4A	Fine	Calm	10:00	9.0	Surface	1.0	0.3	88	24.7	24.7	8.2	8.2	28.3	28.3	130.5	130.4	9.2	9.1	3.0	2	-	-	-	817181	807798	-	-	-	-		
											1.0	0.3	90	24.7	24.7	8.2	8.2	28.3	28.3	130.3	130.3	9.2	9.1	3.0	3	-	-	-	-	-	817181	807798	-	-	-	-
											4.5	0.2	69	24.5	24.5	8.1	8.1	28.8	29.1	126.7	126.0	9.0	8.9	4.9	4	-	-	-	-	-	817181	807798	-	-	-	-
Middle	4.5	0.2	75	24.5						24.5	8.1	8.1	29.3	29.1	125.3	126.0	8.9	8.9	4.9	3	-	-	-	-	-	817181	807798	-	-	-	-					
	8.0	0.2	80	24.4						24.4	8.1	8.1	30.0	30.0	116.8	116.9	8.2	8.2	7.2	4	-	-	-	-	-	817181	807798	-	-	-	-					
	8.0	0.2	87	24.4						24.4	8.1	8.1	30.0	30.0	117.0	117.0	8.2	8.2	7.1	4	-	-	-	-	-	817181	807798	-	-	-	-					

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

Water Quality Monitoring Results on 22 April 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Calm	13:58	8.4	Surface	1.0	0.3	43	25.2	25.3	8.2	8.2	28.7	28.6	144.0	143.5	10.1	9.3	3.8	4	84	86	<0.2	1.9	86	815626	804237	<0.2	1.8	1.9						
						1.0	0.3	46	25.3	8.2	8.1	28.6	28.6	142.9	143.0	8.1	9.3	3.8	3	84	86	<0.2	1.8													
						4.2	0.2	40	23.9	8.1	8.1	32.0	32.0	121.8	121.6	8.6	7.5	5.5	4	88	89	<0.2	2.0													
					4.2	0.2	42	23.9	8.1	8.1	32.0	32.0	121.3	121.3	8.5	7.5	5.6	3	89	86	<0.2	1.9														
					7.4	0.2	37	23.7	8.1	8.1	32.4	32.4	106.4	106.5	7.5	6.4	6.8	4	86	86	<0.2	1.9														
					7.4	0.2	37	23.7	8.1	8.1	32.4	32.4	106.6	106.6	7.5	6.4	6.8	4	86	86	<0.2	1.8														
C2	Fine	Moderate	12:52	12.3	Surface	1.0	3.3	27	25.4	25.4	8.4	8.4	25.4	25.4	113.3	113.3	8.1	7.9	1.6	3	89	90	<0.2	1.7	90	825692	806952	<0.2	1.6	1.6						
						1.0	3.6	27	25.3	8.4	8.4	25.4	25.4	113.3	113.3	8.1	7.9	1.6	3	90	91	<0.2	1.6													
						6.2	3.6	27	24.6	8.4	8.4	27.9	27.9	106.9	106.8	7.6	6.4	2.9	3	88	91	<0.2	1.4													
					6.2	3.7	27	24.6	8.4	8.4	27.9	27.9	106.7	106.7	7.6	6.4	2.9	3	91	92	<0.2	1.5														
					11.3	3.8	27	24.3	8.4	8.4	29.9	29.9	91.1	91.0	6.4	6.4	3.0	3	92	92	<0.2	1.6														
					11.3	3.9	27	24.3	8.4	8.4	29.9	29.9	90.9	90.9	6.4	6.4	3.0	3	92	92	<0.2	1.6														
C3	Fine	Moderate	15:10	12.0	Surface	1.0	3.2	252	24.8	24.8	8.3	8.3	29.3	29.3	117.3	117.3	8.2	7.8	0.8	2	88	88	<0.2	0.5	91	822123	817798	<0.2	0.5	0.8						
						1.0	3.5	272	24.8	8.3	8.3	30.3	30.3	117.2	117.2	8.2	7.8	0.9	2	88	92	<0.2	0.6													
						6.0	3.4	252	24.3	8.3	8.3	30.4	30.4	103.2	103.1	7.3	6.0	1.0	2	92	92	<0.2	0.6													
					6.0	3.6	256	24.3	8.3	8.3	30.4	30.4	103.0	103.0	7.3	6.0	1.0	2	92	94	<0.2	1.2														
					11.0	3.7	253	23.9	8.2	8.2	31.8	31.8	85.5	85.5	6.0	6.0	4.5	2	94	92	<0.2	1.2														
					11.0	4.0	257	23.9	8.2	8.2	31.8	31.8	85.5	85.5	6.0	6.0	4.7	3	92	92	<0.2	1.2														
IM1	Fine	Calm	13:37	5.0	Surface	1.0	0.1	347	25.4	25.5	8.2	8.2	27.8	27.8	147.5	147.5	10.3	10.3	2.6	2	88	87	<0.2	0.7	87	817960	807108	<0.2	0.7	0.7						
						1.0	0.1	347	25.5	8.2	8.2	27.7	27.7	147.5	147.5	10.3	10.3	2.5	3	87	86	<0.2	0.7													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-
					4.0	0.1	22	24.2	8.2	8.2	30.6	30.5	122.5	122.9	8.6	8.7	4.4	5	85	86	<0.2	0.7														
					4.0	0.1	23	24.3	8.2	8.2	30.4	30.4	123.2	123.2	8.7	8.7	4.4	5	86	86	<0.2	0.6														
					4.0	0.1	23	24.3	8.2	8.2	30.4	30.5	122.5	122.9	8.6	8.7	4.4	5	85	86	<0.2	0.7														
IM2	Fine	Calm	13:30	7.0	Surface	1.0	0.1	332	25.0	24.9	8.2	8.2	28.5	28.6	148.6	148.4	10.5	9.7	2.9	6	86	86	<0.2	1.4	89	818139	806178	<0.2	1.3	1.5						
						1.0	0.1	350	24.8	8.2	8.2	28.8	28.6	148.1	148.4	10.4	9.7	2.8	5	86	89	<0.2	1.4													
						3.5	0.1	354	24.1	8.1	8.1	30.7	30.8	127.1	126.4	9.0	8.8	5.7	6	89	90	<0.2	1.4													
					3.5	0.1	326	24.1	8.1	8.1	30.9	30.8	125.6	126.4	8.8	8.8	5.7	6	90	90	<0.2	1.4														
					6.0	0.2	46	23.9	8.1	8.1	31.6	31.6	113.7	113.8	8.0	8.0	7.5	7	90	90	<0.2	1.6														
					6.0	0.2	47	23.9	8.1	8.1	31.6	31.6	113.8	113.8	8.0	8.0	7.5	6	90	90	<0.2	1.6														
IM3	Fine	Calm	13:24	7.2	Surface	1.0	0.1	311	24.8	24.8	8.2	8.2	29.0	29.1	147.3	147.0	10.4	9.8	3.0	7	87	88	<0.2	1.2	89	818779	805591	<0.2	1.2	1.4						
						1.0	0.1	337	24.7	8.2	8.2	29.2	29.1	146.7	147.0	10.3	9.8	2.9	7	88	87	<0.2	1.2													
						3.6	0.1	342	24.1	8.2	8.2	30.9	31.1	131.4	130.0	9.3	9.1	5.5	6	87	89	<0.2	1.4													
					3.6	0.1	358	24.0	8.2	8.2	31.3	31.1	128.5	128.5	9.1	9.1	5.5	5	89	91	<0.2	1.4														
					6.2	0.1	28	23.9	8.1	8.1	31.7	31.7	110.3	110.5	7.8	7.8	7.3	4	92	91	<0.2	1.5														
					6.2	0.1	28	23.9	8.1	8.1	31.7	31.7	110.7	110.5	7.8	7.8	7.4	4	91	91	<0.2	1.5														
IM4	Fine	Calm	13:16	8.4	Surface	1.0	0.1	342	24.6	24.6	8.1	8.1	29.8	29.8	118.1	118.4	8.3	8.2	4.4	7	86	86	<0.2	1.2	88	819709	804628	<0.2	1.3	1.5						
						1.0	0.1	345	24.5	8.1	8.1	29.9	29.8	118.6	118.4	8.3	8.2	4.5	8	86	87	<0.2	1.3													
						4.2	0.1	1	24.3	8.1	8.1	30.5	30.6	115.9	115.7	8.2	8.1	5.7	5	87	89	<0.2	1.5													
					4.2	0.1	1	24.2	8.1	8.1	30.7	30.6	115.5	115.5	8.1	8.1	5.7	5	89	90	<0.2	1.4														
					7.4	0.2	27	23.8	8.1	8.1	32.0	32.0	105.1	105.2	7.4	7.4	8.5	5	90	91	<0.2	1.8														
					7.4	0.2	27	23.9	8.1	8.1	32.0	32.0	105.3	105.2	7.4	7.4	8.4	4	91	91	<0.2	1.8														
IM5	Fine	Calm	13:08	8.0	Surface	1.0	0.1	300	24.5	24.5	8.1	8.1	29.4	29.5	122.1	122.1	8.6	8.6	4.4	3	90	86	<0.2	1.3	89	820742	804876	<0.2	1.2	1.3						
						1.0	0.1	328	24.5	8.1	8.1	29.6	29.5	122.1	122.3	8.6	8.6	4.5	3	86	88	<0.2	1.2													
						4.0	0.1	287	24.4	8.1	8.1	30.2	30.2	121.8	122.3	8.6	8.6	5.3	4	88	91	<0.2	1.2													
					4.0	0.1	301	24.4	8.1	8.1	30.2	30.2	122.8	122.8	8.6	8.1	5.4	3	91	87	<0.2	1.3														
					7.0	0.0	121	24.3	8.1	8.1	30.2	30.2	114.9	114.9	8.1	8.1	6.3	4	87	89	<0.2	1.4														
					7.0	0.0	131	24.4	8.1	8.1	30.2	30.2	114.9	114.9	8.1	8.1	6.4	5	89	89	<0.2	1.4														
IM6	Fine	Calm	13:01	7.6	Surface	1.0	0.1	189	25.7	25.2	8.1	8.1	28.2	28.7	127.3	128.7	8.9	8.9	3.3	5	84	86	<0.2	1.4	87	821054	805825	<0.2	1.5	1.3						
						1.0	0.1	205	24.6	8.1	8.1	29.2	29.6	130.1	125.3	9.2	8.8	3.4	5	86	85	<0.2	1.2													
						3.8	0.1	215	24.5	8.1	8.1	29.6	29.6	125.3	125.3	8.8	8.8	4.1	3	88	85	<0.2	1.4													
					3.8	0.1	223	24.5	8.1	8.1	29.6	29.6	125.2	125.2	8.8	8.8	4.1	4	85	89	<0.2	1.2														
					6.6	0.1	226	24.4	8.1	8.1	30.0	30.0	122.9	122.9	8.7	8.7	5.2	3	89	91	<0.2	1.2														
					6.6	0.1	229	24.4	8.1	8.1	30.0	30.0	122.9	122.9	8.7	8.7	5.1	4	91	91	<0.2	1.3														
IM7	Fine	Calm	12:53	9.0	Surface	1.0	0.2	223	25.0	25.0	8.1	8.1	25.6	25.8	128.8	128.6	9.2	9.1	3.3	5	88	85	<0.2	1.6	88	821330	806843	<0.2	1.5	1.6						
						1.0	0.2	236	24.9	8.1	8.1	26.0	29.2	128.4	127.4	9.2	9.0	3.2	4	85	86	<0.2	1.5													
						4.5	0.1	212	24.5	8.1	8.1	29.1	29.2	127.7	127.4	9.0	9.0	4.1	3	86	89	<0.2	1.8													
					4.5	0.1	231	24.5	8.1	8.1	29.2	29.2	127.1	127.4	9.0	9.0	4.0	4	89	89	<0.2	1.7														

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

Water Quality Monitoring Results on 22 April 21 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	13:27	7.4	Surface	1.0	2.5	232	25.3	8.3	8.3	25.3	25.3	121.2	121.1	8.6	8.1	1.0	4	88	89	822098	808805	<0.2	2.2	2.1	2.1					
						1.0	2.6	245	25.3	8.3	8.3	25.3	25.3	121.0	121.0	8.6	8.1	1.0	3	86	89	<0.2	2.1	2.1	2.1							
						3.7	2.4	232	24.6	8.3	8.3	28.6	28.6	108.0	108.0	7.6	7.7	2.3	5	89	89	<0.2	2.1	2.1	2.1							
					Middle	3.7	2.6	238	24.6	8.3	8.3	28.6	28.6	108.0	108.0	7.6	7.7	2.3	4	89	89	<0.2	2.2	2.2	2.2							
						6.4	2.1	230	24.6	8.3	8.3	29.1	29.1	109.1	109.4	7.7	7.7	2.8	5	90	89	<0.2	2.1	2.1	2.1							
						6.4	2.2	237	24.7	8.3	8.3	29.1	29.1	109.6	109.4	7.7	7.7	2.7	4	90	89	<0.2	2.1	2.1	2.1							
					IM10	Fine	Moderate	13:36	8.1	Surface	1.0	2.6	24	24.9	8.4	8.4	26.8	26.7	125.1	125.0	8.9	8.6	1.2	5	87	89	822374	809804	<0.2	2.2	2.2	2.2
											1.0	2.6	25	24.9	8.4	8.4	26.7	26.7	124.9	124.9	8.9	8.6	1.2	4	87	89	<0.2	2.1	2.1	2.1		
											4.1	2.3	26	24.6	8.3	8.3	28.6	28.6	115.7	115.7	8.2	8.2	2.2	4	86	89	<0.2	2.4	2.4	2.2		
Middle	4.1	2.4	26	24.6						8.3	8.3	28.6	28.6	115.6	115.6	8.2	8.2	2.2	5	86	89	<0.2	2.2	2.2	2.2							
	7.1	2.6	21	24.6						8.3	8.3	28.9	28.8	105.1	105.3	7.4	7.5	1.9	3	94	89	<0.2	2.2	2.2	2.2							
	7.1	2.7	22	24.6						8.3	8.3	28.7	28.8	105.4	105.3	7.5	7.5	2.0	4	92	89	<0.2	2.1	2.1	2.1							
IM11	Fine	Moderate	13:46	7.5						Surface	1.0	2.6	47	24.9	8.4	8.4	26.9	26.8	123.1	123.0	8.7	8.3	1.4	5	88	89	822077	811473	<0.2	2.0	2.0	1.9
											1.0	2.9	48	24.9	8.4	8.4	26.8	26.8	122.9	122.9	8.7	8.3	1.4	5	88	89	<0.2	2.2	2.2	2.2		
											3.8	2.5	45	24.6	8.3	8.3	28.6	28.6	111.7	111.6	7.9	7.9	1.7	5	86	89	<0.2	1.9	1.9	1.9		
					Middle	3.8	2.7	48	24.6	8.3	8.3	28.6	28.6	111.5	111.6	7.9	7.9	1.6	4	89	89	<0.2	1.8	1.8	1.8							
						6.5	2.9	36	24.4	8.3	8.3	29.4	29.4	99.1	99.2	7.0	7.0	2.0	5	90	89	<0.2	1.7	1.7	1.7							
						6.5	3.0	37	24.5	8.3	8.3	29.4	29.4	99.3	99.2	7.0	7.0	2.0	4	92	89	<0.2	1.6	1.6	1.6							
					IM12	Fine	Moderate	13:53	9.4	Surface	1.0	2.9	41	25.2	8.3	8.3	26.5	26.5	122.5	122.5	8.7	8.2	1.4	4	88	90	821461	812033	<0.2	1.8	1.7	1.7
											1.0	3.0	42	25.2	8.3	8.3	26.5	26.5	122.5	122.5	8.7	8.2	1.5	4	89	90	<0.2	1.7	1.7	1.7		
											4.7	2.8	41	24.5	8.3	8.3	28.9	28.9	108.4	108.4	7.7	7.7	2.0	4	92	90	<0.2	1.7	1.7	1.7		
Middle	4.7	2.9	43	24.5						8.3	8.3	28.9	28.9	108.4	108.4	7.7	7.7	1.9	5	93	90	<0.2	1.6	1.6	1.6							
	8.4	2.8	38	24.2						8.2	8.2	30.4	30.4	92.8	92.8	6.5	6.5	1.9	5	90	90	<0.2	1.8	1.8	1.8							
	8.4	3.0	39	24.2						8.2	8.2	30.4	30.4	92.7	92.8	6.5	6.5	1.9	6	88	90	<0.2	1.7	1.7	1.7							
SR1A	Fine	Calm	14:29	5.5						Surface	1.0	-	-	25.7	8.3	8.3	26.6	26.6	120.7	120.5	8.5	8.5	1.1	4	-	-	819983	812661	-	-	-	-
											1.0	-	-	25.7	8.3	8.3	26.6	26.6	120.2	120.2	8.4	8.1	1.1	5	-	-	-	-	-	-	-	
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						4.5	-	-	25.0	8.3	8.3	27.6	27.7	115.2	115.1	8.1	8.1	4.2	5	-	-	-	-	-	-	-	-	-				
						4.5	-	-	25.0	8.3	8.3	27.8	27.7	115.0	115.0	8.1	8.1	4.6	4	-	-	-	-	-	-	-	-	-				
					SR2	Fine	Calm	14:47	4.3	Surface	1.0	0.1	70	25.7	8.3	8.3	25.7	25.7	125.6	125.4	8.9	8.9	0.3	6	86	88	821479	814170	<0.2	1.1	1.1	1.1
											1.0	0.1	70	25.7	8.3	8.3	25.7	25.7	125.1	125.4	8.8	8.8	0.4	6	86	88	<0.2	1.1	1.1	1.1		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.3	0.1	344	24.2						8.3	8.3	30.3	30.3	98.1	98.2	6.9	6.9	3.7	5	91	88	<0.2	1.3	1.3	1.3							
	3.3	0.1	316	24.3						8.3	8.3	30.3	30.3	98.2	98.2	6.9	6.9	3.7	6	90	88	<0.2	1.2	1.2	1.2							
SR3	Fine	Moderate	13:14	9.1						Surface	1.0	2.2	245	25.1	8.4	8.4	25.7	25.7	119.9	119.9	8.6	8.1	1.4	4	-	-	822140	807576	-	-	-	-
											1.0	2.4	258	25.1	8.4	8.4	25.7	25.7	119.9	119.9	8.6	8.1	1.6	5	-	-	-	-	-	-	-	
											4.6	2.3	246	24.6	8.4	8.4	28.7	28.7	107.0	107.0	7.6	7.6	2.5	4	-	-	-	-	-	-		
					Middle	4.6	2.4	259	24.6	8.4	8.4	28.7	28.7	106.9	107.0	7.6	7.6	2.7	5	-	-	-	-	-	-							
						8.1	2.2	239	24.5	8.4	8.4	29.4	29.4	101.8	101.9	7.2	7.2	6.5	6	-	-	-	-	-								
						8.1	2.4	241	24.5	8.4	8.4	29.4	29.4	101.9	101.9	7.2	7.2	6.7	7	-	-	-	-	-								
					SR4A	Fine	Calm	14:19	9.2	Surface	1.0	0.1	236	24.8	8.2	8.1	29.5	29.6	141.9	141.5	10.0	9.4	4.4	4	-	-	817175	807791	-	-	-	-
											1.0	0.1	249	24.6	8.1	8.1	29.8	29.6	141.0	141.0	9.9	9.4	4.5	4	-	-	-	-	-			
											4.6	0.0	111	24.3	8.1	8.1	30.2	30.2	125.4	125.2	8.8	8.8	5.7	4	-	-	-	-				
Middle	4.6	0.0	116	24.4						8.1	8.1	30.2	30.2	125.0	125.2	8.8	8.8	5.8	5	-	-	-	-									
	8.2	0.1	78	24.2						8.1	8.1	30.6	30.6	113.0	113.1	8.0	8.0	7.1	5	-	-	-	-									
	8.2	0.1	85	24.2						8.1	8.1	30.6	30.6	113.2	113.1	8.0	8.0	7.1	5	-	-	-	-									
SR5A	Fine	Calm	14:36	3.6						Surface	1.0	0.1	256	25.5	8.2	8.2	29.0	29.0	149.3	149.3	10.4	10.4	5.6	7	-	-	816578	810688	-	-	-	-
											1.0	0.1	275	25.5	8.2	8.2	29.0	29.0	149.2	149.2	10.4	10.4	5.6	6	-	-	-	-				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						2.6	0.1	270	25.3	8.2	8.2	29.0	29.0	145.2	145.1	10.1	10.1	6.6	5	-	-	-	-									
						2.6	0.1	275	25.3	8.2	8.2	29.0	29.0	144.9	145.1	10.1	10.1	6.5	6	-	-	-	-									
					SR6A	Fine	Calm	15:05	4.0	Surface	1.0	0.1	228	25.2	8.1	8.1	29.1	29.2	128.0	128.0	8.9	8.9	3.2	5	-	-	817961	814737	-	-	-	-
											1.0	0.1	228	25.2	8.1	8.1	29.2	29.2	127.9	128.0	8.9	8.9	3.2	6	-	-	-	-				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	3.0	0.0	234	25.1						8.1	8.1	29.4	29.4	127.3	127.2	8.9	8.9	4.9	6	-	-	-	-									
	3.0	0.0	248	25.1						8.1	8.1	29.4	29.4	127.1	127.2	8.9	8.9	4.9	5	-	-	-	-									
SR7	Fine	Moderate	15:43	15.7						Surface	1.0	3.8	285	24.7	8.3	8.3	31.3	31.3	106													

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

Water Quality Monitoring Results on 24 April 21 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	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	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Misty	Calm	11:12	8.6	Surface	1.0	2.0	130	25.3	25.3	8.3	8.3	26.6	26.7	137.8	137.4	9.7	9.7	3.4	3.4	3	3	86	86	88	88	815641	804246	<0.2	2.0	1.9			
						1.0	2.0	136	25.2	8.3	8.3	26.8	26.8	137.0	137.0	9.7	9.7	3.5	3.5	2	2	86	86	88	88	815641	804246	<0.2	1.9	1.9				
						4.3	2.2	127	24.1	8.1	8.1	31.3	31.3	116.3	116.3	8.2	8.2	4.2	4.2	3	3	89	89	88	88	815641	804246	<0.2	2.0	1.9				
					4.3	2.3	135	24.1	8.1	8.1	31.3	31.3	116.3	116.3	8.2	8.2	4.2	4.2	4	4	89	89	88	88	815641	804246	<0.2	1.9	1.9					
					7.6	2.2	133	23.9	8.1	8.1	32.1	32.0	109.2	109.4	7.7	7.7	6.2	6.2	4	4	88	88	89	89	815641	804246	<0.2	1.8	1.9					
					7.6	2.3	133	23.9	8.1	8.1	32.0	32.0	109.5	109.4	7.7	7.7	6.2	6.2	3	3	89	89	88	88	815641	804246	<0.2	1.9	1.9					
C2	Sunny	Moderate	13:00	11.6	Surface	1.0	0.2	135	26.2	26.2	8.6	8.6	23.7	23.7	140.0	139.9	9.9	9.9	4.8	4.8	5	5	85	85	89	89	825697	806967	<0.2	1.8	1.8			
						1.0	0.2	144	26.2	8.6	8.6	23.7	23.7	139.8	139.8	9.9	9.9	4.9	4.9	5	5	85	85	89	89	825697	806967	<0.2	1.7	1.8				
						5.8	0.5	154	25.2	8.5	8.5	26.7	26.7	101.6	101.6	7.2	7.2	4.6	4.6	5	5	90	90	89	89	825697	806967	<0.2	1.8	1.8				
					5.8	0.5	156	25.2	8.5	8.5	26.7	26.7	101.5	101.5	7.2	7.2	4.6	4.6	4	4	89	89	89	89	825697	806967	<0.2	1.8	1.8					
					10.6	0.5	144	24.8	8.6	8.6	28.4	28.4	93.7	93.8	6.6	6.6	6.1	6.1	5	5	94	94	89	89	825697	806967	<0.2	1.7	1.7					
					10.6	0.5	158	24.9	8.6	8.6	28.4	28.4	93.8	93.8	6.6	6.6	6.1	6.1	5	5	93	93	89	89	825697	806967	<0.2	1.7	1.7					
C3	Sunny	Moderate	10:04	12.5	Surface	1.0	0.4	286	25.3	25.3	8.4	8.4	27.4	27.4	130.4	130.2	9.2	9.2	2.9	2.9	3	3	85	85	90	90	822123	817802	<0.2	1.2	1.2			
						1.0	0.4	307	25.3	8.4	8.4	27.5	27.4	129.9	129.9	9.1	9.1	2.9	2.9	4	4	86	86	90	90	822123	817802	<0.2	1.3	1.2				
						6.3	0.2	257	24.4	8.2	8.2	30.6	30.6	98.4	98.4	6.9	6.9	3.6	3.6	4	4	90	90	89	89	822123	817802	<0.2	1.2	1.2				
					6.3	0.2	259	24.4	8.2	8.2	30.6	30.6	98.3	98.3	6.9	6.9	3.7	3.7	3	3	90	90	89	89	822123	817802	<0.2	1.2	1.2					
					11.5	0.1	120	24.3	8.2	8.2	31.2	31.2	94.1	94.2	6.6	6.6	4.9	4.9	3	3	94	94	89	89	822123	817802	<0.2	1.2	1.2					
					11.5	0.1	131	24.3	8.2	8.2	31.2	31.2	94.2	94.2	6.6	6.6	5.0	5.0	3	3	94	94	89	89	822123	817802	<0.2	1.1	1.1					
IM1	Fine	Calm	11:36	5.0	Surface	1.0	0.1	188	25.0	25.0	8.2	8.2	27.8	27.9	128.2	128.0	9.0	9.0	4.9	4.9	7	7	89	89	88	88	817949	807139	<0.2	1.8	1.8			
						1.0	0.1	189	24.9	8.2	8.2	28.1	27.9	127.7	127.7	9.0	9.0	4.8	4.8	6	6	86	86	88	88	817949	807139	<0.2	1.8	1.8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.0	0.1	136	24.6	8.2	8.2	29.4	29.2	113.0	113.1	8.0	8.0	7.3	7.3	5	5	88	88	88	88	817949	807139	<0.2	1.8	1.8					
					4.0	0.1	139	24.7	8.2	8.2	29.0	29.2	113.1	113.1	8.0	8.0	7.3	7.3	4	4	88	88	88	88	817949	807139	<0.2	1.7	1.7					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Fine	Calm	11:43	6.8	Surface	1.0	2.6	275	25.6	25.6	8.3	8.3	26.3	26.3	134.0	133.6	9.4	9.4	4.0	4.0	5	5	86	86	89	89	818164	806178	<0.2	1.6	1.6			
						1.0	2.6	282	25.6	8.3	8.3	26.3	26.3	133.2	133.2	9.4	9.4	3.9	3.9	4	4	85	85	89	89	818164	806178	<0.2	1.6	1.6				
						3.4	2.6	278	24.3	8.2	8.2	30.4	30.4	116.3	116.3	8.2	8.2	6.2	6.2	4	4	90	90	89	89	818164	806178	<0.2	1.6	1.6				
					3.4	2.8	278	24.3	8.2	8.2	30.4	30.4	116.3	116.3	8.2	8.2	6.2	6.2	5	5	90	90	89	89	818164	806178	<0.2	1.6	1.6					
					5.8	2.7	276	24.3	8.2	8.2	30.7	30.6	113.3	113.5	8.0	8.0	7.7	7.7	3	3	90	90	89	89	818164	806178	<0.2	1.6	1.6					
					5.8	2.9	296	24.3	8.2	8.2	30.6	30.6	113.7	113.5	8.0	8.0	7.7	7.7	4	4	91	91	89	89	818164	806178	<0.2	1.6	1.6					
IM3	Fine	Calm	11:50	7.0	Surface	1.0	1.3	61	25.5	25.5	8.3	8.3	26.3	26.4	135.7	135.4	9.6	9.6	4.0	4.0	4	4	87	87	89	89	818760	805610	<0.2	1.6	1.6			
						1.0	1.3	64	25.4	8.3	8.3	26.5	26.4	135.0	135.0	9.5	9.5	4.0	4.0	5	5	89	89	89	89	818760	805610	<0.2	1.4	1.4				
						3.5	1.4	69	24.4	8.2	8.2	29.3	29.2	117.3	117.3	8.3	8.3	7.6	7.6	5	5	90	90	89	89	818760	805610	<0.2	1.5	1.5				
					3.5	1.5	71	24.4	8.2	8.2	29.2	29.2	117.3	117.3	8.3	8.3	7.6	7.6	5	5	87	87	89	89	818760	805610	<0.2	1.5	1.5					
					6.0	1.5	65	24.2	8.1	8.1	30.8	30.8	110.1	110.0	7.7	7.7	9.7	9.7	5	5	91	91	89	89	818760	805610	<0.2	1.6	1.6					
					6.0	1.6	70	24.2	8.1	8.1	30.8	30.8	109.9	110.0	7.7	7.7	9.6	9.6	4	4	87	87	89	89	818760	805610	<0.2	1.5	1.5					
IM4	Fine	Calm	12:03	8.2	Surface	1.0	1.9	34	25.2	25.2	8.1	8.1	27.0	27.1	116.4	116.2	8.2	8.2	7.5	7.5	6	6	88	88	90	90	819719	804594	<0.2	1.5	1.5			
						1.0	1.9	35	25.2	8.1	8.1	27.2	27.1	116.0	116.2	8.2	8.2	7.4	7.4	7	7	91	91	90	90	819719	804594	<0.2	1.5	1.5				
						4.1	2.0	42	24.5	8.1	8.1	29.5	29.5	111.8	111.7	7.9	7.9	8.6	8.6	7	7	91	91	89	89	819719	804594	<0.2	1.6	1.6				
					4.1	2.2	43	24.5	8.1	8.1	29.5	29.5	111.5	111.7	7.9	7.9	8.6	8.6	6	6	91	91	89	89	819719	804594	<0.2	1.5	1.5					
					7.2	2.0	42	24.3	8.1	8.1	30.4	30.4	108.8	109.1	7.7	7.7	9.0	9.0	8	8	92	92	89	89	819719	804594	<0.2	1.6	1.6					
					7.2	2.1	43	24.3	8.1	8.1	30.3	30.4	109.4	109.1	7.7	7.7	9.1	9.1	8	8	86	86	89	89	819719	804594	<0.2	1.5	1.5					
IM5	Fine	Calm	12:18	7.8	Surface	1.0	3.0	220	25.4	25.4	8.2	8.2	26.4	26.5	121.7	121.7	8.6	8.6	6.0	6.0	7	7	86	86	89	89	820748	804875	<0.2	1.6	1.6			
						1.0	3.0	231	25.3	8.2	8.2	26.6	26.5	121.7	121.7	8.6	8.6	6.0	6.0	6	6	87	87	89	89	820748	804875	<0.2	1.5	1.5				
						3.9	3.0	219	24.9	8.1	8.1	28.0	28.0	115.1	115.0	8.1	8.1	6.3	6.3	7	7	90	90	89	89	820748	804875	<0.2	1.8	1.8				
					3.9	3.2	224	24.9	8.1	8.1	28.0	28.0	114.9	115.0	8.1	8.1	6.3	6.3	6	6	91	91	89	89	820748	804875	<0.2	1.9	1.9					
					6.8	3.0	218	24.6	8.1	8.1																								

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

Water Quality Monitoring Results on 24 April 21 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	Fine	Calm	16:23	8.2	Surface	1.0	2.0	8	25.6	25.6	8.3	8.3	27.1	27.1	136.6	136.2	9.6	8.7	4.9	4	88	91	88	91	815618	804263	<0.2	1.7	1.6	1.7				
						1.0	2.2	8	25.6	25.6	8.3	8.3	27.1	27.1	136.8	136.2	9.5	8.7	4.9	5	88	91	88	91	815618	804263	<0.2	1.6	1.6	1.7				
					Middle	4.1	2.2	8	24.1	24.1	8.1	8.1	31.2	31.1	111.9	111.9	7.9	5.8	5.9	4	91	91	91	91	815618	804263	<0.2	1.6	1.6	1.7				
						4.1	2.2	8	24.1	24.1	8.1	8.1	31.1	31.1	111.8	111.8	7.9	5.9	5.9	5	91	91	91	91	815618	804263	<0.2	1.7	1.7	1.7				
					Bottom	7.2	2.2	2	24.0	24.0	8.1	8.1	31.7	31.7	108.7	108.7	7.6	6.8	6.8	3	93	93	93	93	815618	804263	<0.2	1.7	1.7	1.6	1.6			
						7.2	2.3	2	24.0	24.0	8.1	8.1	31.7	31.7	108.6	108.6	7.6	6.7	6.7	4	93	93	93	93	815618	804263	<0.2	1.6	1.6	1.6	1.6			
C2	Fine	Moderate	15:10	10.7	Surface	1.0	0.3	350	26.5	26.5	8.6	8.6	22.7	22.7	151.0	150.9	10.7	8.9	4.5	4	87	91	87	91	825670	806945	<0.2	1.6	1.7	1.9				
						1.0	0.3	358	26.5	26.5	8.6	8.6	22.7	22.7	150.7	150.7	10.7	8.9	4.4	4	88	91	88	91	825670	806945	<0.2	1.7	1.7	1.9				
					Middle	5.4	0.4	28	25.1	25.1	8.5	8.5	26.3	26.3	98.9	98.9	7.0	5.2	5.1	4	91	91	91	91	825670	806945	<0.2	2.3	2.3	1.9				
						5.4	0.4	29	25.1	25.1	8.5	8.5	26.3	26.3	98.9	98.9	7.0	5.1	5.1	4	91	91	91	91	825670	806945	<0.2	2.1	2.1	1.9				
					Bottom	9.7	0.4	346	25.0	25.0	8.5	8.5	27.4	27.4	97.2	97.4	6.9	6.2	6.2	5	95	95	95	95	825670	806945	<0.2	1.8	1.8	1.8				
						9.7	0.5	318	25.0	25.0	8.5	8.5	27.4	27.4	97.5	97.5	6.9	6.1	6.1	5	95	95	95	95	825670	806945	<0.2	1.7	1.7	1.7				
C3	Sunny	Moderate	17:22	12.1	Surface	1.0	0.3	241	25.4	25.4	8.4	8.4	27.4	27.4	135.2	134.8	9.5	8.3	3.1	4	87	91	87	91	822114	817806	<0.2	2.0	2.2	1.9				
						1.0	0.3	251	25.4	25.4	8.4	8.4	27.5	27.4	134.4	134.4	9.4	8.3	3.1	3	87	91	87	91	822114	817806	<0.2	1.9	1.9	1.9				
					Middle	6.1	0.4	252	24.6	24.6	8.2	8.2	30.0	30.0	101.5	101.5	7.1	4.8	3.3	4	91	91	91	91	822114	817806	<0.2	1.8	1.8	1.8				
						6.1	0.4	269	24.6	24.6	8.2	8.2	30.0	30.0	101.4	101.4	7.1	3.3	3.3	5	90	90	90	90	822114	817806	<0.2	1.8	1.8	1.8				
					Bottom	11.1	0.4	266	24.3	24.3	8.2	8.2	31.3	31.2	92.9	93.0	6.5	7.9	7.9	5	95	95	95	95	822114	817806	<0.2	1.8	1.8	1.8				
						11.1	0.4	290	24.3	24.3	8.2	8.2	31.2	31.2	93.0	93.0	6.5	7.9	7.9	4	94	94	94	94	822114	817806	<0.2	1.8	1.8	1.8				
IM1	Fine	Calm	16:01	4.6	Surface	1.0	0.2	4	24.6	24.6	8.3	8.3	29.6	29.7	134.4	134.0	9.4	9.4	5.3	7	88	87	88	87	817965	807154	<0.2	1.8	1.6	1.7				
						1.0	0.2	4	24.6	24.6	8.3	8.3	29.8	29.7	133.6	133.6	9.4	9.4	5.3	6	87	87	87	87	817965	807154	<0.2	1.6	1.6	1.7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.1	345	24.3	24.3	8.2	8.1	30.9	30.9	112.2	112.0	7.9	7.9	9.3	7	87	87	87	87	817965	807154	<0.2	1.8	1.7	1.7	1.7			
						3.6	0.1	317	24.3	24.3	8.1	8.1	30.8	30.9	111.7	111.7	7.9	9.3	9.3	7	87	87	87	87	817965	807154	<0.2	1.7	1.7	1.7	1.7			
IM2	Fine	Calm	15:53	6.6	Surface	1.0	2.6	266	25.0	24.9	8.3	8.3	28.7	28.8	134.4	133.7	9.4	8.7	5.5	6	87	90	87	90	818153	806187	<0.2	1.9	1.8	1.8				
						1.0	2.7	278	24.8	24.8	8.3	8.3	28.9	28.8	132.9	132.9	9.4	8.7	5.5	7	87	90	87	90	818153	806187	<0.2	1.8	1.8	1.8				
					Middle	3.3	2.7	263	24.4	24.4	8.2	8.2	30.3	30.4	112.3	112.3	7.9	7.2	7.5	6	91	91	91	91	818153	806187	<0.2	1.8	1.8	1.8				
						3.3	2.8	283	24.3	24.3	8.2	8.2	30.5	30.4	112.2	112.2	7.9	7.2	7.6	5	91	91	91	91	818153	806187	<0.2	1.7	1.7	1.7				
					Bottom	5.6	2.6	266	24.2	24.2	8.2	8.2	31.1	31.1	111.3	111.3	7.8	8.6	8.6	6	92	92	92	92	818153	806187	<0.2	1.7	1.7	1.7				
						5.6	2.6	274	24.2	24.2	8.2	8.2	31.1	31.1	111.2	111.2	7.8	8.7	8.7	5	92	92	92	92	818153	806187	<0.2	1.7	1.7	1.7				
IM3	Fine	Calm	15:46	6.8	Surface	1.0	2.2	40	26.1	26.1	8.3	8.3	26.9	26.9	141.9	141.0	9.9	8.8	4.8	7	89	91	89	91	818760	805598	<0.2	1.9	1.8	1.8				
						1.0	2.2	41	26.1	26.1	8.3	8.3	26.8	26.9	140.1	140.1	9.8	8.8	4.8	8	89	91	89	91	818760	805598	<0.2	1.8	1.8	1.8				
					Middle	3.4	2.3	45	24.4	24.4	8.1	8.1	30.0	30.0	109.3	109.3	7.7	7.7	7.6	5	92	92	92	92	818760	805598	<0.2	1.8	1.8	1.8				
						3.4	2.5	48	24.3	24.3	8.1	8.1	30.1	30.0	109.2	109.2	7.7	7.6	7.6	4	92	92	92	92	818760	805598	<0.2	1.7	1.7	1.7				
					Bottom	5.8	2.6	43	24.2	24.2	8.1	8.1	31.2	31.2	109.2	109.2	7.7	10.8	10.8	4	93	93	93	93	818760	805598	<0.2	1.7	1.7	1.7				
						5.8	2.7	46	24.2	24.2	8.1	8.1	31.2	31.2	109.2	109.2	7.7	10.8	10.8	5	93	93	93	93	818760	805598	<0.2	1.6	1.6	1.6				
IM4	Fine	Moderate	15:35	8.0	Surface	1.0	1.7	236	26.0	26.0	8.3	8.3	26.6	26.7	139.5	139.0	9.7	8.5	4.7	6	88	91	88	91	819725	804609	<0.2	1.8	1.7	1.7				
						1.0	1.8	252	26.0	26.0	8.3	8.3	26.8	26.7	138.5	138.5	9.7	8.5	4.7	5	89	91	89	91	819725	804609	<0.2	1.7	1.7	1.7				
					Middle	4.0	2.2	245	24.6	24.6	8.1	8.1	29.0	29.0	102.8	102.7	7.3	8.1	9.2	6	91	91	91	91	819725	804609	<0.2	1.8	1.8	1.8				
						4.0	2.3	263	24.6	24.6	8.1	8.1	29.1	29.0	102.5	102.5	7.2	8.1	9.3	5	91	91	91	91	819725	804609	<0.2	1.8	1.8	1.8				
					Bottom	7.0	2.3	251	24.3	24.3	8.1	8.1	30.3	30.3	101.0	101.1	7.1	10.5	10.5	5	93	93	93	93	819725	804609	<0.2	1.5	1.5	1.5				
						7.0	2.3	274	24.3	24.3	8.1	8.1	30.3	30.3	101.1	101.1	7.1	10.4	10.4	4	93	93	93	93	819725	804609	<0.2	1.7	1.7	1.7				
IM5	Fine	Moderate	15:27	7.4	Surface	1.0	2.1	236	25.7	25.7	8.3	8.3	25.7	25.8	141.5	141.1	10.0	9.2	4.8	9	91	91	91	91	820752	804885	<0.2	1.8	1.8	1.8				
						1.0	2.2	244	25.7	25.7	8.3	8.3	25.8	25.8	140.7	140.7	9.9	9.2	4.8	9	91	91	91	91	820752	804885	<0.2	1.8	1.8	1.8				
					Middle	3.7	1.9	240	25.3	25.3	8.2	8.1	26.6	26.6	119.6	119.7	8.5	6.3	6.0	8	91	91	91	91	820752	804885	<0.2	1.6	1.6	1.6				
						3.7	2.0	251	25.3	25.3	8.1	8.1	26.6	26.6	119.8	119.8	8.5	6.1	6.1	9	91	91	91											

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

Water Quality Monitoring Results on 24 April 21 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	15:40	6.8	Surface	1.0	0.4	245	26.1	26.1	8.5	8.5	24.8	24.8	151.7	151.6	10.7	10.7	3.9	6	6	88	91	91	822101	808830	<0.2	1.5	<0.2	1.6								
						1.0	0.5	267	26.1	26.1	8.5	8.5	24.8	24.8	151.4	151.4	10.7	10.7	4.0	6	6	87	91				<0.2	1.6	<0.2	1.6								
						3.4	0.4	241	25.9	25.9	8.4	8.4	25.0	25.0	128.1	130.7	9.0	9.4	4.4	6	6	91	92				<0.2	1.6	<0.2	1.6								
					Middle	3.4	0.4	251	25.9	25.9	8.4	8.4	25.0	25.0	133.2	130.7	9.4	9.4	4.4	6	6	92	95				<0.2	1.4	<0.2	1.4								
						5.8	0.4	252	25.3	25.3	8.3	8.3	26.4	26.4	101.7	101.8	7.2	7.2	6.4	5	5	95	95				<0.2	1.6	<0.2	1.6								
						5.8	0.5	257	25.3	25.3	8.3	8.3	26.4	26.4	101.8	101.8	7.2	7.2	6.4	6	6	95	95				<0.2	1.6	<0.2	1.6								
					IM10	Sunny	Moderate	15:49	8.2	Surface	1.0	0.4	289	26.4	26.4	8.6	8.6	24.6	24.6	167.0	166.8	11.7	11.7				3.8	6	6	87	91	91	822384	809804	<0.2	1.5	<0.2	1.5
											1.0	0.4	305	26.4	26.4	8.6	8.6	24.6	24.6	166.6	11.7	3.8	6				6	87	92	<0.2	1.5				<0.2	1.5		
											4.1	0.3	270	25.8	25.8	8.4	8.4	25.3	25.3	123.2	123.0	8.7	8.7				4.5	6	6	92	91				<0.2	1.3	<0.2	1.3
Middle	4.1	0.3	291	25.8						25.8	8.4	8.4	25.3	25.3	122.8	122.8	8.7	8.7	4.5	6	6	91	95	<0.2	1.6	<0.2	1.6											
	7.2	0.3	280	25.4						25.4	8.3	8.3	26.1	26.1	106.4	106.4	7.5	7.5	5.3	5	5	95	95	<0.2	1.6	<0.2	1.6											
	7.2	0.3	307	25.4						25.4	8.3	8.3	26.1	26.1	106.3	106.3	7.5	7.5	5.3	6	6	95	95	<0.2	1.7	<0.2	1.7											
IM11	Sunny	Moderate	16:01	7.6						Surface	1.0	0.4	288	26.4	26.4	8.6	8.6	24.7	24.7	168.9	168.5	11.8	11.8	4.0	6	6	87	91	91	822053	811454				<0.2	1.4	<0.2	1.5
											1.0	0.4	310	26.4	26.4	8.6	8.6	24.7	24.7	168.1	11.8	3.9	5	5	87	91	<0.2	1.5							<0.2	1.5		
											3.8	0.4	278	25.9	25.9	8.4	8.4	25.3	25.3	135.4	135.4	9.5	9.5	3.9	7	7	91	96							<0.2	1.3	<0.2	1.3
					Middle	3.8	0.4	289	25.9	25.9	8.5	8.5	25.3	25.3	135.4	135.4	9.6	9.6	3.9	6	6	91	95	<0.2	1.5	<0.2	1.5											
						6.6	0.4	281	25.0	25.0	8.2	8.2	27.4	27.4	93.9	94.2	6.6	6.7	12.9	7	7	95	95	<0.2	1.5	<0.2	1.5											
						6.6	0.4	292	25.0	25.0	8.2	8.2	27.4	27.4	94.4	94.2	6.7	6.7	12.7	8	8	95	95	<0.2	1.4	<0.2	1.4											
					IM12	Sunny	Moderate	16:09	9.3	Surface	1.0	0.4	287	26.4	26.4	8.5	8.5	24.6	24.6	158.0	157.7	11.1	11.1	3.5	5	5	87	91				92	821478	812069	<0.2	1.7	<0.2	1.6
											1.0	0.4	314	26.4	26.4	8.5	8.5	24.6	24.6	157.3	11.0	3.5	6	6	88	91	<0.2	1.6							<0.2	1.6		
											4.7	0.3	289	25.2	25.2	8.2	8.2	26.7	26.7	101.1	101.0	7.2	7.2	5.2	5	5	91	92							<0.2	1.5	<0.2	1.5
Middle	4.7	0.4	301	25.2						25.2	8.2	8.2	26.7	26.7	100.9	101.0	7.1	7.1	5.3	6	6	92	95	<0.2	1.6	<0.2	1.6											
	8.3	0.2	289	24.5						24.5	8.2	8.2	29.9	29.9	87.0	87.2	6.1	6.1	7.2	6	6	95	96	<0.2	1.6	<0.2	1.6											
	8.3	0.2	289	24.5						24.5	8.2	8.2	29.9	29.9	87.3	87.3	6.1	6.1	7.2	7	7	96	96	<0.2	1.5	<0.2	1.5											
SR1A	Sunny	Moderate	16:42	5.4						Surface	1.0	-	-	26.5	26.5	8.5	8.5	25.2	25.2	160.5	160.4	11.2	11.2	4.0	5	5	-	-	-	819981	812660				-	-	-	-
											1.0	-	-	26.5	26.5	8.5	8.5	25.2	25.2	160.2	11.2	4.0	6	6	-	-	-	-							-	-	-	-
											2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-		
						4.4	-	-	26.1	26.1	8.4	8.4	25.5	25.5	142.0	141.9	10.0	10.0	4.2	8	8	-	-	-	-	-	-	-				-	-	-				
						4.4	-	-	26.1	26.1	8.4	8.4	25.5	25.5	141.8	141.8	10.0	10.0	4.2	8	8	-	-	-	-	-	-	-				-	-	-				
					SR2	Sunny	Moderate	16:57	5.0	Surface	1.0	0.4	306	25.9	25.9	8.4	8.4	26.4	26.4	144.2	144.0	10.1	10.1	4.6	9	9	88	87				89	821452	814189	<0.2	1.3	<0.2	1.4
											1.0	0.4	318	25.9	25.9	8.4	8.4	26.4	26.4	143.7	10.1	4.6	9	9	87	91	<0.2	1.4							<0.2	1.4		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		
	4.0	0.2	225	25.0						25.0	8.2	8.2	28.7	28.7	103.1	102.9	7.2	7.2	6.7	6	6	91	91	<0.2	1.4	<0.2	1.4											
	4.0	0.2	239	24.9						24.9	8.2	8.2	28.7	28.7	102.6	102.9	7.2	7.2	6.9	6	6	91	91	<0.2	1.5	<0.2	1.5											
SR3	Fine	Moderate	15:26	9.1						Surface	1.0	0.5	217	26.6	26.6	8.6	8.6	24.0	24.0	153.3	153.2	10.8	10.8	4.1	7	7	-	-	-	822161	807591				-	-	-	-
											1.0	0.6	226	26.6	26.6	8.6	8.6	24.0	24.0	153.0	10.7	4.1	7	7	-	-	-	-							-	-	-	-
											4.6	0.5	226	25.9	25.9	8.5	8.5	24.8	24.8	125.0	124.8	8.8	8.8	4.7	8	8	-	-							-	-	-	-
					Middle	4.6	0.5	245	25.8	25.8	8.5	8.5	24.8	24.8	124.5	124.8	8.8	8.8	4.8	8	8	-	-	-	-	-	-	-				-	-					
						8.1	0.3	245	25.2	25.2	8.4	8.4	26.6	26.6	102.2	102.3	7.2	7.3	12.3	8	8	-	-	-	-	-	-	-										
						8.1	0.3	250	25.2	25.2	8.4	8.4	26.6	26.6	102.4	102.3	7.3	7.3	13.1	8	8	-	-	-	-	-	-	-										
					SR4A	Fine	Calm	16:43	9.0	Surface	1.0	1.9	33	26.0	25.9	8.3	8.3	26.9	27.1	143.4	143.1	10.0	10.0	4.9	8	8	-	-				-	817170	807796	-	-	-	-
											1.0	2.0	34	25.8	25.8	8.3	8.3	27.3	27.1	142.8	10.0	4.9	9	9	-	-	-	-							-	-	-	
											4.5	2.4	36	25.0	25.0	8.2	8.1	28.6	28.7	120.8	121.4	8.5	8.6	6.0	8	8	-	-							-	-	-	
Middle	4.5	2.6	36	24.9						24.9	8.1	8.1	28.7	28.7	122.0	121.4	8.6	8.6	5.9	7	7	-	-	-	-	-	-											
	8.0	2.3	38	24.2						24.2	8.1	8.1	30.8	30.8	105.4	105.4	7.4	7.4	9.9	7	7	-	-	-	-	-												
	8.0	2.4	41	24.2						24.2	8.1	8.1	30.8	30.8	105.4	105.4	7.4	7.4	9.9	8	8	-	-	-	-	-												
SR5A	Fine	Calm	17:01	4.4						Surface	1.0	0.2	273	26.2	26.2	8.3	8.3	26.5	26.5	155.4	154.9	10.8	10.8	3.4	8	8	-	-	-	816593	810678				-	-	-	-
											1.0	0.2	281	26.2	26.2	8.3	8.3	26.5	26.5	154.4	10.8	3.4	9	9	-	-	-	-							-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-				
						3.4	0.1	276	26.2	26.3	8.3	8.3	26.5	26.5	151.1	150.7	10.5	10.4	4.2	8	8	-	-	-	-	-												
						3.4	0.1	285	26.3	26.3	8.3	8.3	26.5	26.5	150.3	150.7																						

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

Water Quality Monitoring Results on 27 April 21 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	Rainy	Moderate	07:17	8.2	Surface	1.0	2.0	16	24.4	24.4	8.2	8.2	30.8	30.9	109.6	109.8	7.7	7.7	9.6	4	86	87	87	87	815633	804229	<0.2	1.2	1.1	1.1									
						1.0	2.1	16	24.4	24.4	8.2	8.2	31.0	31.0	7.7	7.7	9.8	3	85	87	87	87	87	87	87	87	815633	804229	<0.2	1.2	1.1	1.1							
						4.1	2.0	12	24.4	24.4	8.2	8.2	32.2	32.2	111.2	111.2	7.7	7.7	8.9	4	87	87	87	87	87	87	87	87	815633	804229	<0.2	1.2	1.1	1.1					
					Middle	4.1	2.2	12	24.4	24.4	8.2	8.2	32.2	32.2	111.2	111.2	7.7	7.7	9.0	4	88	87	87	87	87	87	87	87	815633	804229	<0.2	1.0	1.0	1.0					
						7.2	2.0	13	24.4	24.4	8.2	8.2	32.2	32.2	109.7	109.7	7.6	7.6	11.3	4	89	87	87	87	87	87	87	87	815633	804229	<0.2	1.0	1.0	1.0					
						7.2	2.1	14	24.3	24.3	8.2	8.2	32.2	32.2	109.5	109.5	7.6	7.6	11.9	5	89	87	87	87	87	87	87	87	815633	804229	<0.2	1.1	1.1	1.1					
					C2	Rainy	Moderate	08:28	12.0	Surface	1.0	0.1	322	24.9	24.9	8.2	8.2	25.9	25.9	90.3	90.4	6.5	7.1	10	10	87	87	87	87	825692	806931	<0.2	1.3	1.4	1.5				
											1.0	0.1	340	24.9	24.9	8.2	8.2	25.9	25.9	90.4	90.4	6.5	7.1	11	11	87	87	87	87	87	87	87	87	825692	806931	<0.2	1.4	1.5	1.5
											6.0	0.1	290	24.8	24.8	8.2	8.2	26.3	26.3	91.0	91.2	6.5	6.5	8.6	9	90	87	87	87	87	87	87	87	825692	806931	<0.2	1.6	1.5	1.5
Middle	6.0	0.1	291	24.8						24.8	8.2	8.2	26.3	26.3	91.3	91.3	6.5	6.5	8.6	8	91	87	87	87	87	87	87	87	87	825692	806931	<0.2	1.5	1.6	1.6				
	11.0	0.0	141	24.5						24.5	8.2	8.2	28.6	28.6	92.5	92.5	6.6	6.6	9.3	6	93	87	87	87	87	87	87	87	87	825692	806931	<0.2	1.6	1.6	1.6				
	11.0	0.0	148	24.5						24.5	8.2	8.2	28.6	28.6	92.5	92.5	6.6	6.6	9.3	7	93	87	87	87	87	87	87	87	87	825692	806931	<0.2	1.5	1.5	1.5				
C3	Misty	Calm	06:29	11.6						Surface	1.0	0.6	261	24.7	24.7	8.2	8.2	29.0	29.0	94.6	94.6	6.7	7.1	3.1	4	85	85	85	85	822123	817789	<0.2	1.2	1.2	1.3				
											1.0	0.6	272	24.7	24.7	8.2	8.2	29.0	29.0	94.6	94.6	6.7	7.1	3.0	4	85	85	85	85	85	85	85	85	822123	817789	<0.2	1.4	1.2	1.2
											5.8	0.7	263	24.6	24.6	8.2	8.2	29.4	29.4	94.5	94.5	6.7	6.7	3.5	4	89	85	85	85	85	85	85	85	822123	817789	<0.2	1.2	1.2	1.3
					Middle	5.8	0.8	263	24.6	24.6	8.2	8.2	29.4	29.4	94.5	94.5	6.6	6.6	3.7	5	89	85	85	85	85	85	85	85	822123	817789	<0.2	1.3	1.3	1.3					
						10.6	0.6	263	24.6	24.6	8.2	8.2	29.6	29.6	94.3	94.3	6.6	6.6	9.0	5	91	85	85	85	85	85	85	85	822123	817789	<0.2	1.3	1.3	1.3					
						10.6	0.7	272	24.7	24.7	8.2	8.2	29.5	29.5	94.5	94.5	6.7	6.7	9.1	5	91	85	85	85	85	85	85	85	822123	817789	<0.2	1.3	1.3	1.3					
					IM1	Rainy	Moderate	07:36	5.5	Surface	1.0	1.7	1	24.2	24.2	8.1	8.1	29.8	29.8	102.9	102.9	7.3	7.3	6.3	5	87	87	87	87	817962	807124	<0.2	1.2	1.1	1.2				
											1.0	1.8	1	24.2	24.2	8.1	8.1	29.8	29.8	102.8	102.8	7.3	7.3	6.5	11	86	87	87	87	87	87	87	87	817962	807124	<0.2	1.1	1.1	1.1
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	4.5	1.6	358	24.3						24.3	8.1	8.1	30.1	30.1	102.5	102.5	7.2	7.2	8.0	13	89	87	87	87	87	87	87	87	87	87	87	87	87	87					
	4.5	1.7	358	24.3						24.3	8.1	8.1	30.1	30.1	102.5	102.5	7.2	7.2	8.3	5	90	87	87	87	87	87	87	87	87	87	87	87	87	87	87				
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
IM2	Rainy	Moderate	07:43	7.6						Surface	1.0	0.1	335	24.3	24.3	8.1	8.1	29.9	29.9	103.1	103.1	7.3	7.3	12.6	13	85	85	85	85	818160	806180	<0.2	1.0	1.0	1.1				
											1.0	0.1	338	24.3	24.3	8.1	8.1	29.9	29.9	103.0	103.0	7.3	7.3	12.5	13	87	85	85	85	85	85	85	85	818160	806180	<0.2	1.0	1.0	1.0
											3.8	0.1	354	24.3	24.3	8.1	8.1	29.9	29.9	102.7	102.7	7.3	7.3	14.6	17	87	85	85	85	85	85	85	85	818160	806180	<0.2	1.0	1.0	1.1
					Middle	3.8	0.1	326	24.3	24.3	8.1	8.1	29.9	29.9	102.7	102.7	7.3	7.3	15.0	17	88	85	85	85	85	85	85	85	85	85	85	85	85	85	85				
						6.6	0.2	43	24.3	24.3	8.1	8.1	29.9	29.9	102.5	102.5	7.2	7.2	11.5	18	90	85	85	85	85	85	85	85	85	85	85	85	85	85					
						6.6	0.2	46	24.3	24.3	8.1	8.1	29.9	29.9	102.5	102.5	7.2	7.2	11.9	17	91	85	85	85	85	85	85	85	85	85	85	85	85	85					
					IM3	Rainy	Moderate	07:49	7.2	Surface	1.0	0.1	312	24.3	24.3	8.2	8.2	30.0	30.0	104.2	104.3	7.4	7.4	12.5	5	86	86	86	86	818798	805576	<0.2	1.0	1.1	1.1				
											1.0	0.1	333	24.3	24.3	8.2	8.2	30.1	30.1	104.3	104.3	7.4	7.4	12.6	6	86	86	86	86	86	86	86	86	818798	805576	<0.2	1.1	1.1	1.1
											3.6	0.1	348	24.3	24.3	8.1	8.1	30.6	30.6	105.3	105.3	7.4	7.4	14.0	6	87	86	86	86	86	86	86	86	818798	805576	<0.2	1.1	1.1	1.1
Middle	3.6	0.1	320	24.3						24.3	8.1	8.1	30.6	30.6	105.3	105.3	7.4	7.4	14.0	6	88	86	86	86	86	86	86	86	86	86	86	86	86	86	86				
	6.2	0.1	26	24.3						24.3	8.1	8.1	30.6	30.6	104.6	104.6	7.4	7.4	14.3	7	90	86	86	86	86	86	86	86	86	86	86	86	86	86					
	6.2	0.1	26	24.3						24.3	8.1	8.1	30.6	30.6	104.5	104.5	7.4	7.4	14.6	8	91	86	86	86	86	86	86	86	86	86	86	86	86	86					
IM4	Rainy	Moderate	07:58	7.8						Surface	1.0	0.1	342	24.3	24.3	8.2	8.2	31.1	31.1	107.2	107.2	7.5	7.5	12.9	3	85	85	85	85	819730	804606	<0.2	1.1	1.0	1.0				
											1.0	0.1	315	24.3	24.3	8.2	8.2	31.1	31.1	107.2	107.2	7.5	7.5	13.2	3	86	85	85	85	85	85	85	85	819730	804606	<0.2	1.0	0.9	1.0
											3.9	0.1	1	24.3	24.3	8.2	8.2	31.2	31.2	106.9	106.9	7.5	7.5	12.0	3	87	85	85	85	85	85	85	85	819730	804606	<0.2	0.9	0.9	1.0
					Middle	3.9	0.1	1	24.3	24.3	8.2	8.2	31.2	31.2	106.8	106.8	7.5	7.5	12.0	14	87	85	85	85	85	85	85	85	85	85	85	85	85	85					
						6.8	0.2	35	24.3	24.3	8.1	8.1	31.2	31.2	106.5	106.5	7.5	7.5	14.7	12	89	85	85	85	85	85	85	85	85	85	85	85	85	85					
						6.8	0.2	35	24.3	24.3	8.1	8.1	31.2	31.2	106.5	106.5	7.5	7.5	14.9	10	90	85	85	85	85	85	85	85	85	85	85	85	85	85					
					IM5	Rainy	Moderate	08:04	8.2	Surface	1.0	0.1	289	24.3	24.3	8.2																							

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

Water Quality Monitoring Results on 27 April 21 during Mid-Flood Tide

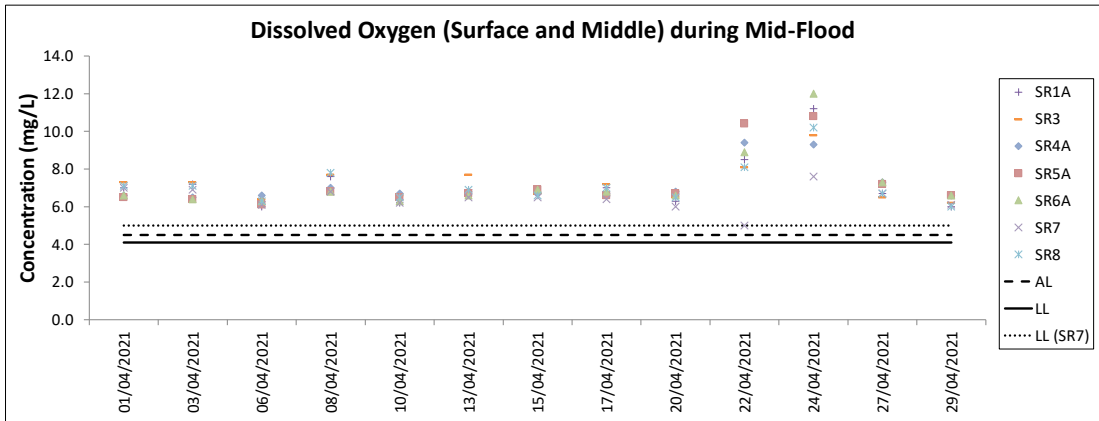
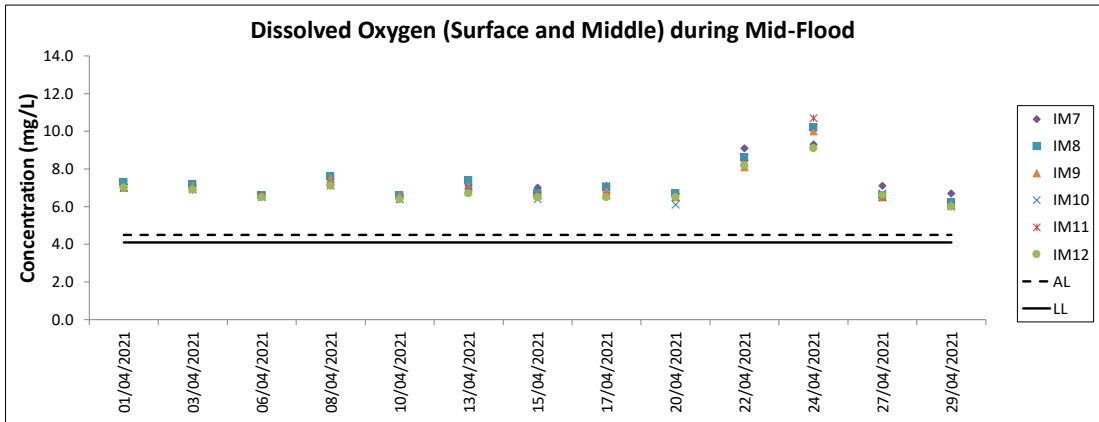
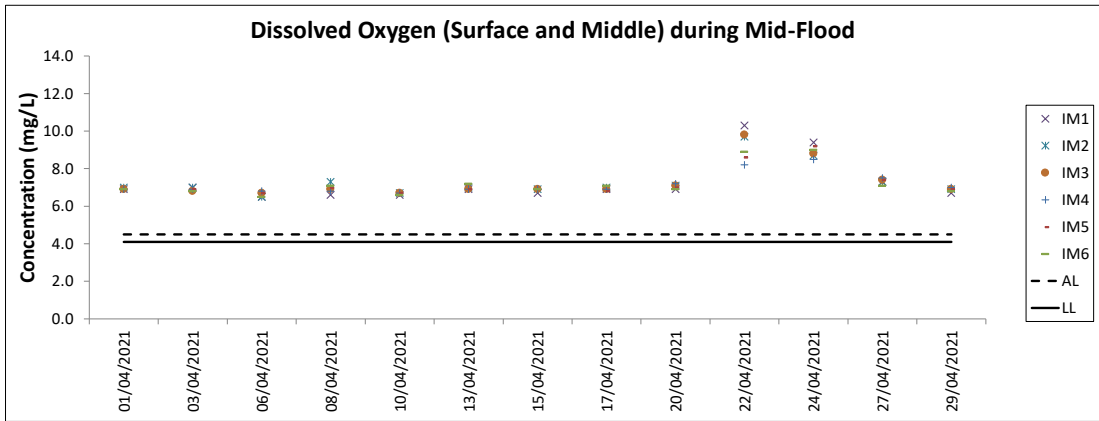
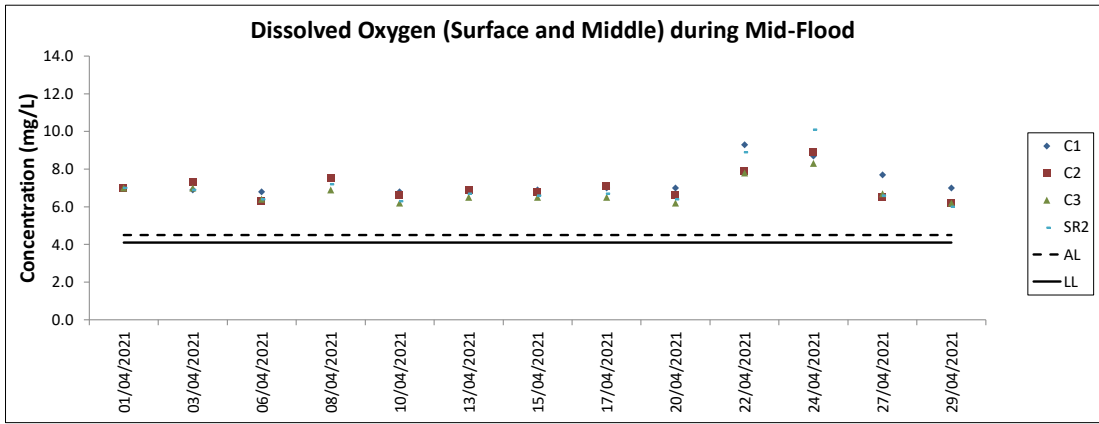
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Rainy	Moderate	07:56	8.0	Surface	1.0	0.3	20	25.0	25.0	8.2	8.2	25.4	25.4	91.5	91.5	6.5	6.5	2.4	13	87	90	822092	808824	<0.2	1.6	1.5	1.5								
						1.0	0.3	20	25.0	8.2	8.2	25.4	25.4	91.4	91.4	6.5	6.5	2.5	13	87	90	822092	808824	<0.2	1.5	1.5	1.5									
						4.0	0.2	45	24.8	8.2	8.2	26.2	26.3	91.4	91.4	6.5	6.5	11	12	91	90	822092	808824	<0.2	1.4	1.5	1.5									
					Middle	4.0	0.2	45	24.8	8.2	8.2	26.2	26.3	91.4	91.4	6.5	6.5	12	12	91	90	822092	808824	<0.2	1.4	1.5	1.5									
						7.0	0.1	45	24.8	8.2	8.2	26.6	26.6	92.1	92.3	6.6	6.6	8.3	11	92	90	822092	808824	<0.2	1.4	1.5	1.5									
						7.0	0.2	46	24.8	8.2	8.2	26.6	26.6	92.5	92.5	6.6	6.6	8.2	10	92	90	822092	808824	<0.2	1.5	1.5	1.5									
					IM10	Misty	Moderate	07:49	7.2	Surface	1.0	0.5	310	24.7	24.7	8.2	8.2	27.5	27.5	94.3	94.3	6.7	6.7	7.6	4	87	90	822403	809810	<0.2	1.5	1.6	1.6			
											1.0	0.5	317	24.7	24.7	8.2	8.2	27.5	27.5	94.2	94.0	6.7	6.7	7.7	5	87	90	822403	809810	<0.2	1.7	1.6	1.6			
											3.6	0.5	311	24.7	24.7	8.2	8.2	27.5	27.5	94.0	94.0	6.7	6.7	8.6	5	90	90	822403	809810	<0.2	1.5	1.6	1.6			
Middle	3.6	0.5	314	24.7						24.7	8.2	8.2	27.5	27.5	94.0	94.0	6.7	6.7	8.6	6	90	90	822403	809810	<0.2	1.6	1.6	1.6								
	6.2	0.3	314	24.7						24.7	8.2	8.2	27.5	27.5	94.4	94.5	6.7	6.7	10.0	5	93	90	822403	809810	<0.2	1.6	1.6	1.6								
	6.2	0.3	332	24.6						24.7	8.2	8.2	27.5	27.5	94.6	94.5	6.7	6.7	10.0	5	93	90	822403	809810	<0.2	1.5	1.6	1.6								
IM11	Misty	Moderate	07:39	8.2						Surface	1.0	0.4	267	24.7	24.7	8.2	8.2	27.9	27.9	91.9	91.9	6.5	6.5	4.8	7	85	88	822051	811458	<0.2	1.6	1.6	1.6			
											1.0	0.4	290	24.7	24.7	8.2	8.2	27.9	27.9	91.9	91.9	6.5	6.5	4.9	6	85	88	822051	811458	<0.2	1.5	1.6	1.6			
											4.1	0.4	256	24.7	24.7	8.2	8.2	28.1	28.1	91.8	91.9	6.5	6.5	5.9	7	89	88	822051	811458	<0.2	1.6	1.6	1.6			
					Middle	4.1	0.4	278	24.7	24.7	8.2	8.2	28.1	28.1	91.9	91.9	6.5	6.5	5.9	6	89	88	822051	811458	<0.2	1.6	1.6	1.6								
						7.2	0.3	252	24.7	24.7	8.2	8.2	28.1	28.1	92.6	92.8	6.6	6.6	6.1	5	90	88	822051	811458	<0.2	1.6	1.6	1.6								
						7.2	0.4	252	24.7	24.7	8.2	8.2	28.1	28.1	93.0	92.8	6.6	6.6	6.2	4	90	88	822051	811458	<0.2	1.6	1.6	1.6								
					IM12	Misty	Calm	07:33	9.9	Surface	1.0	0.4	236	24.7	24.7	8.2	8.2	27.9	27.9	92.6	92.6	6.6	6.6	5.5	5	85	89	821446	812065	<0.2	1.2	1.1	1.1			
											1.0	0.4	248	24.7	24.7	8.2	8.2	27.9	27.9	92.6	92.6	6.6	6.6	5.6	4	85	89	821446	812065	<0.2	1.1	1.1	1.1			
											5.0	0.3	239	24.7	24.7	8.2	8.2	27.9	27.9	92.6	92.7	6.6	6.6	7.6	16	89	89	821446	812065	<0.2	1.1	1.1	1.1			
Middle	5.0	0.4	253	24.7						24.7	8.2	8.2	27.9	27.9	92.7	92.7	6.6	6.6	7.7	17	90	89	821446	812065	<0.2	1.1	1.1	1.1								
	8.9	0.3	242	24.7						24.7	8.2	8.2	27.9	27.9	93.3	93.4	6.6	6.6	9.4	17	91	89	821446	812065	<0.2	1.1	1.1	1.1								
	8.9	0.3	262	24.7						24.7	8.2	8.2	27.9	27.9	93.4	93.4	6.6	6.6	9.5	16	92	89	821446	812065	<0.2	1.1	1.1	1.1								
SR1A	Misty	Calm	07:04	4.2						Surface	1.0	-	-	24.6	24.6	8.2	8.2	27.5	27.5	93.5	93.8	6.7	6.7	1.1	5	-	-	819982	812658	-	-	-	-			
											1.0	-	-	24.5	24.6	8.2	8.2	27.5	27.5	94.0	93.8	6.7	6.7	1.1	5	-	-	819982	812658	-	-	-	-			
											2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819982	812658	-	-	-	-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819982	812658	-	-	-	-	-					
						3.2	-	-	24.2	24.2	8.2	8.2	27.7	27.7	95.1	95.3	6.8	6.8	2.2	5	-	-	-	-	819982	812658	-	-	-	-						
						3.2	-	-	24.1	24.2	8.2	8.2	27.8	27.7	95.4	95.3	6.8	6.8	2.2	8	-	-	-	-	819982	812658	-	-	-	-						
					SR2	Misty	Calm	06:48	5.0	Surface	1.0	0.3	341	24.7	24.7	8.2	8.2	27.8	27.8	92.7	92.8	6.6	6.6	9.4	12	88	89	821456	814185	<0.2	1.2	1.1	1.1			
											1.0	0.3	314	24.7	24.7	8.2	8.2	27.8	27.8	92.8	92.8	6.6	6.6	9.3	12	88	89	821456	814185	<0.2	1.1	1.1	1.1			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821456	814185	<0.2	1.2	1.1	1.1	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821456	814185	<0.2	1.2	1.1	1.1						
	4.0	0.3	2	24.7						24.7	8.2	8.2	27.8	27.8	93.5	93.7	6.6	6.6	9.8	10	89	89	821456	814185	<0.2	1.3	1.3	1.3								
	4.0	0.3	2	24.7						24.7	8.2	8.2	27.8	27.8	93.9	93.7	6.6	6.6	9.8	10	90	89	821456	814185	<0.2	1.3	1.3	1.3								
SR3	Rainy	Moderate	08:09	9.6						Surface	1.0	0.2	39	24.8	24.8	8.2	8.2	25.6	25.6	91.2	91.3	6.5	6.5	5.4	5	-	-	822152	807580	-	-	-	-			
											1.0	0.2	41	24.8	24.8	8.2	8.2	25.7	25.6	91.3	91.3	6.5	6.5	5.3	5	-	-	822152	807580	-	-	-	-			
											4.8	0.4	78	24.8	24.8	8.2	8.2	26.3	26.3	91.6	91.7	6.5	6.5	8.8	6	-	-	822152	807580	-	-	-	-			
					Middle	4.8	0.4	84	24.8	24.8	8.2	8.2	26.3	26.3	91.7	91.7	6.6	6.6	8.7	6	-	-	822152	807580	-	-	-	-								
						8.6	0.8	89	24.5	24.5	8.2	8.2	28.6	28.6	93.1	93.1	6.6	6.6	9.6	8	-	-	822152	807580	-	-	-	-								
						8.6	0.9	93	24.5	24.5	8.2	8.2	28.5	28.6	93.1	93.1	6.6	6.6	9.7	7	-	-	822152	807580	-	-	-	-								
					SR4A	Rainy	Moderate	06:51	8.5	Surface	1.0	0.9	275	24.2	24.2	8.1	8.1	29.9	29.9	102.7	102.7	7.3	7.3	9.1	6	-	-	817184	807829	-	-	-	-			
											1.0	1.0	298	24.2	24.2	8.1	8.1	29.9	29.9	102.6	102.6	7.3	7.3	9.2	7	-	-	817184	807829	-	-	-	-			
											4.3	1.0	271	24.2	24.2	8.1	8.1	29.9	29.9	102.4	102.4	7.2	7.2	10.4	7	-	-	817184	807829	-	-	-	-			
Middle	4.3	1.1	276	24.2						24.2	8.1	8.1	29.9	29.9	102.4	102.4	7.2	7.2	10.4	7	-	-	817184	807829	-	-	-	-								
	7.5	1.0	269	24.2						24.2	8.1	8.1	29.9	29.9	102.5	102.5	7.3	7.3	10.6	7	-	-	817184	807829	-	-	-	-								
	7.5	1.1	275	24.2						24.2	8.1	8.1	29.9	29.9	102.5	102.5	7.3	7.3	10.6	8	-	-	817184	807829	-	-	-	-								
SR5A	Rainy	Moderate	06:30	4.1						Surface	1.0	0.1	73	24.4	24.4	8.1	8.1	28.5	28.5	101.3	101.3	7.2	7.2	4.4	4	-	-	816610	810696	-	-	-	-			
											1.0	0.1	77	24.4	24.4	8.1	8.1	28.5	28.5	101.3	101.3	7.2	7.2	4.4	4	-	-	816610	810696	-	-	-	-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816610	810696	-	-	-	-	
					Middle	-	-																													

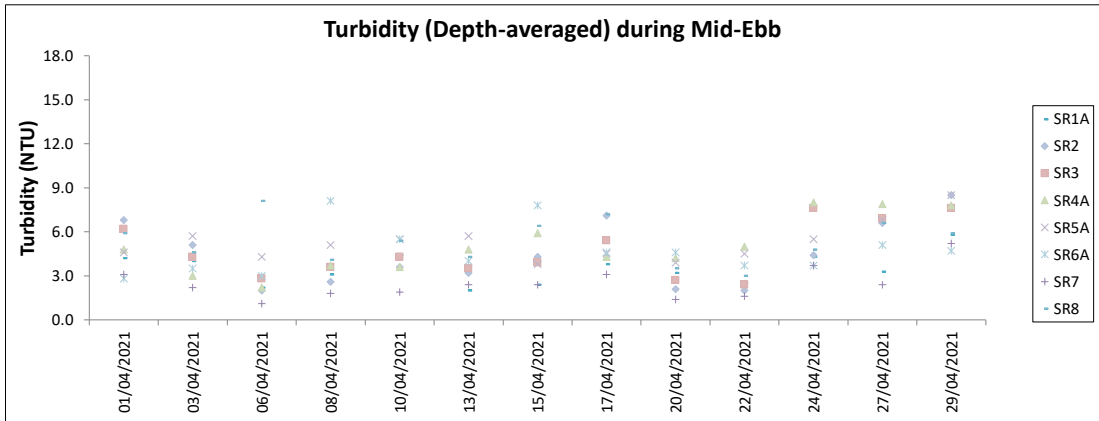
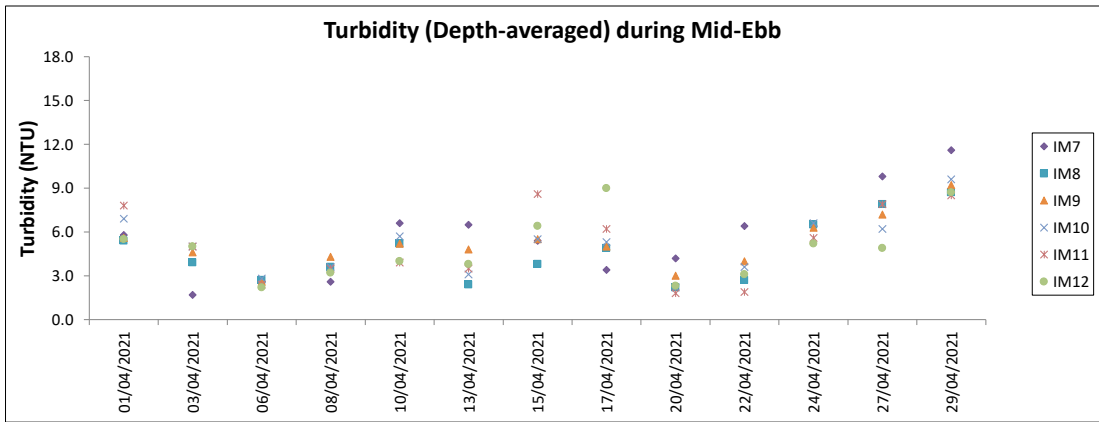
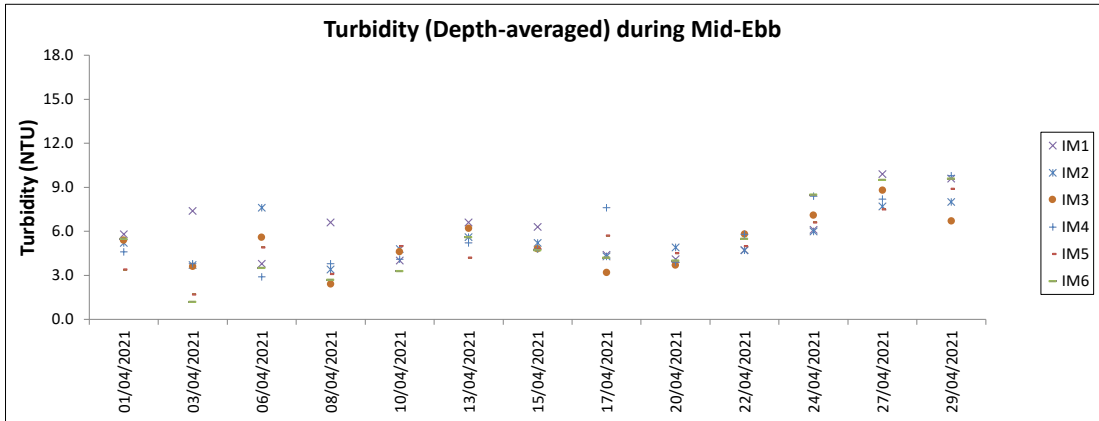
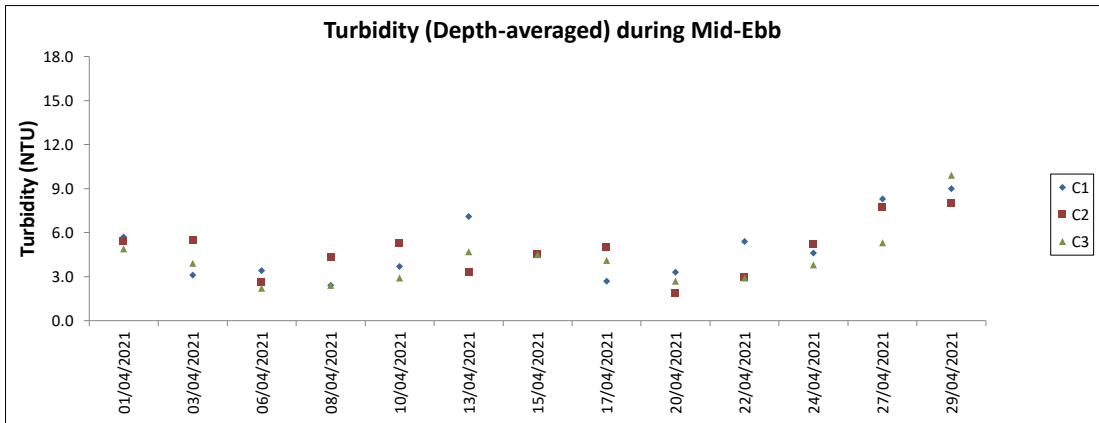
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

Water Quality Monitoring Results on 29 April 21 during Mid-Ebb Tide

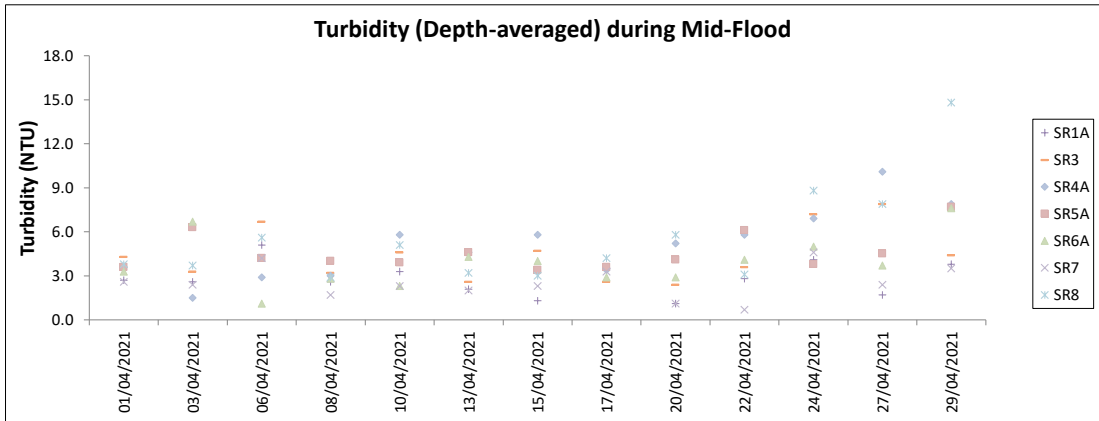
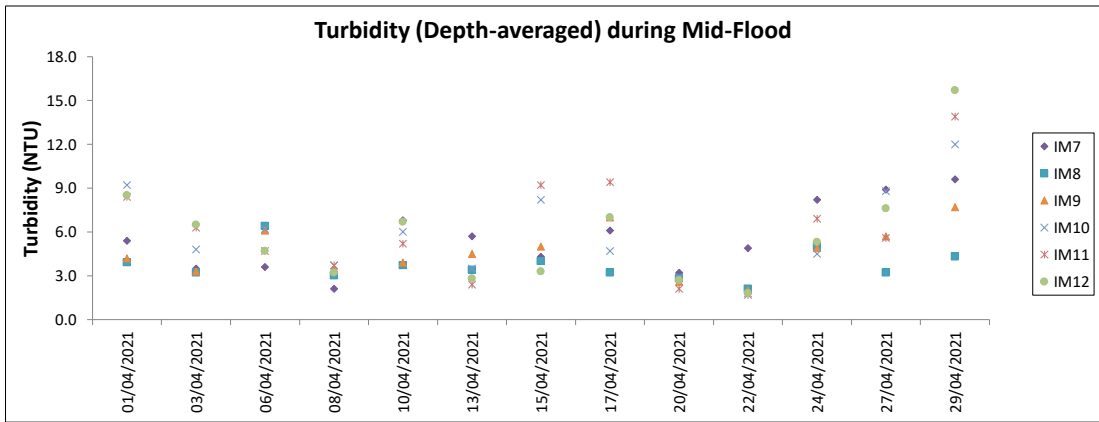
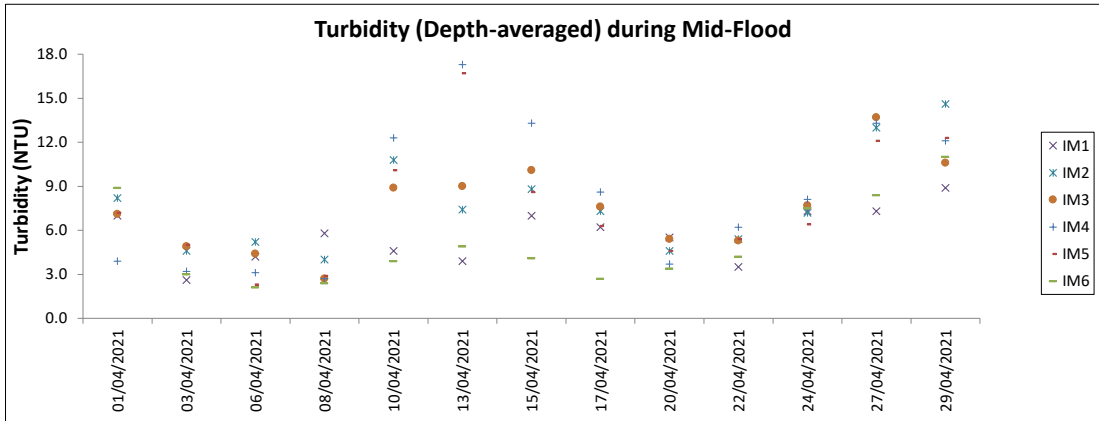
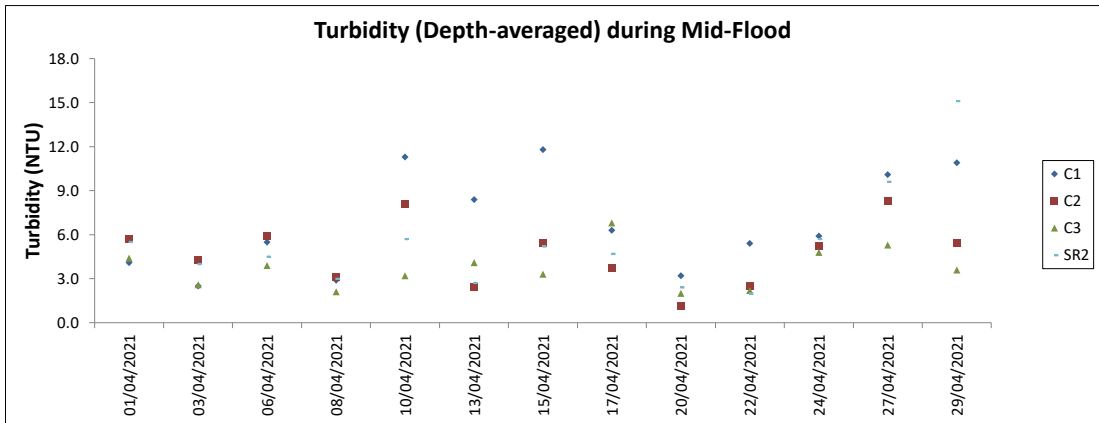
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
						C1	Cloudy	Moderate	14:04	7.8	Surface	1.0	2.3	261	25.0	25.0	8.1	8.1	28.1	28.1	101.8	101.8	7.2	7.2	4.9			5	86	86	89	89	89
					Middle	3.9	2.6	254	24.2	24.2	8.1	8.1	31.1	31.1	100.8	100.8	7.1	7.2	10.3	6	89	89	90	90	90			<0.2	1.2	<0.2	1.4		
					Bottom	6.8	2.5	262	24.2	24.2	8.1	8.1	31.3	31.3	99.8	99.8	7.0	7.0	11.9	6	90	90	91	91	91			<0.2	1.3	<0.2	1.3		
C2	Fine	Moderate	12:47	12.9	Surface	1.0	0.4	159	24.9	25.0	8.3	8.3	27.2	27.1	86.7	86.7	6.1	6.1	8.3	7	84	84	84	84	87	825681	806967	<0.2	1.1	<0.2	1.1		
					Middle	6.5	0.3	151	24.7	24.7	8.3	8.3	28.1	28.1	84.3	84.3	6.0	6.0	8.1	7	87	87	87	87	87			<0.2	1.2	<0.2	1.1		
					Bottom	11.9	0.2	143	24.7	24.7	8.3	8.3	29.4	29.4	84.9	85.0	6.0	6.0	7.7	8	89	89	89	89	89			<0.2	1.1	<0.2	1.1		
C3	Fine	Moderate	15:25	12.0	Surface	1.0	0.6	111	24.8	24.8	8.2	8.2	28.5	28.5	87.2	87.2	6.2	6.2	8.3	11	85	85	85	85	88	822122	817784	<0.2	1.2	<0.2	1.2		
					Middle	6.0	0.4	111	24.8	24.8	8.3	8.3	28.7	28.7	86.8	86.8	6.1	6.1	10.2	13	88	88	88	88	88			<0.2	1.2	<0.2	1.2		
					Bottom	11.0	0.3	97	24.8	24.8	8.3	8.3	28.7	28.7	87.0	87.1	6.1	6.1	11.1	12	90	90	90	90	90			<0.2	1.1	<0.2	1.1		
IM1	Cloudy	Moderate	13:44	5.2	Surface	1.0	1.8	291	24.8	24.8	8.1	8.1	28.3	28.3	97.5	97.5	6.9	6.9	6.4	6	85	85	86	86	87	817926	807136	<0.2	1.2	<0.2	1.2		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	-	<0.2	-		
					Bottom	4.2	1.8	293	24.4	24.4	8.1	8.1	29.0	29.0	96.2	96.2	6.8	6.8	12.8	8	88	88	88	88	88			<0.2	1.2	<0.2	1.2		
IM2	Cloudy	Moderate	13:36	6.9	Surface	1.0	2.3	87	24.7	24.7	8.1	8.1	28.3	28.4	100.1	100.2	7.1	7.1	4.9	6	85	85	85	85	88	818147	806144	<0.2	0.8	<0.2	0.9		
					Middle	3.5	2.1	84	24.4	24.4	8.1	8.1	29.2	29.2	101.2	101.1	7.2	7.2	4.4	6	89	89	89	89	90			<0.2	0.9	<0.2	0.9		
					Bottom	5.9	2.4	85	24.3	24.3	8.1	8.1	30.1	30.1	98.9	98.9	7.0	7.0	14.6	7	90	90	90	90	91			<0.2	1.0	<0.2	0.9		
IM3	Sunny	Moderate	13:30	7.1	Surface	1.0	2.4	241	24.9	24.9	8.1	8.1	29.0	29.0	98.5	98.6	6.9	6.9	4.6	7	88	88	87	87	90	818799	805572	<0.2	1.1	<0.2	1.1		
					Middle	3.6	2.4	242	24.4	24.4	8.1	8.1	29.9	29.9	103.1	103.0	7.3	7.1	5.1	7	90	90	90	90	91			<0.2	0.9	<0.2	1.0		
					Bottom	6.1	2.2	241	24.3	24.3	8.1	8.1	30.6	30.6	99.5	99.5	7.0	7.0	10.3	5	91	91	91	91	91			<0.2	0.9	<0.2	0.9		
IM4	Cloudy	Rough	13:21	8.7	Surface	1.0	2.6	225	25.0	25.0	8.1	8.1	27.7	27.7	95.8	95.9	6.8	6.8	6.0	8	86	86	87	87	89	819745	804599	<0.2	1.1	<0.2	1.0		
					Middle	4.4	2.4	224	24.3	24.3	8.1	8.1	30.2	30.2	98.5	98.5	6.9	6.9	8.2	7	89	89	89	89	89			<0.2	1.1	<0.2	1.0		
					Bottom	7.7	2.3	216	24.2	24.2	8.1	8.1	31.2	31.2	97.2	97.2	6.8	6.8	15.4	8	90	90	90	90	90			<0.2	1.0	<0.2	1.0		
IM5	Cloudy	Rough	13:14	8.3	Surface	1.0	2.8	249	24.8	24.8	8.1	8.1	27.9	28.0	97.2	97.3	6.9	6.9	6.9	10	86	86	86	86	89	820716	804885	<0.2	1.1	<0.2	1.1		
					Middle	4.2	2.8	246	24.5	24.5	8.1	8.1	29.3	29.3	97.6	97.6	6.9	6.9	7.1	10	89	89	89	89	89			<0.2	1.1	<0.2	1.1		
					Bottom	7.3	2.6	248	24.3	24.3	8.1	8.1	30.9	30.7	97.5	97.5	6.9	6.9	12.4	11	90	90	90	90	91			<0.2	1.1	<0.2	1.1		
IM6	Cloudy	Moderate	13:06	7.6	Surface	1.0	2.5	228	24.5	24.5	8.1	8.1	28.0	28.1	94.5	94.7	6.7	6.7	8.5	14	85	85	87	87	89	821080	805810	<0.2	0.7	<0.2	0.6		
					Middle	3.8	2.4	218	24.4	24.4	8.1	8.1	29.9	29.9	97.6	97.6	6.9	6.9	8.7	12	89	89	89	89	89			<0.2	0.6	<0.2	0.6		
					Bottom	6.6	2.4	211	24.3	24.3	8.1	8.1	30.5	30.5	96.8	96.8	6.8	6.8	11.6	3	89	89	89	89	89			<0.2	0.6	<0.2	0.6		
IM7	Cloudy	Moderate	12:57	9.0	Surface	1.0	2.3	81	24.8	24.8	8.0	8.0	27.2	27.2	95.7	95.8	6.8	6.8	6.8	5	85	85	86	86	88	821368	806823	<0.2	0.6	<0.2	0.6		
					Middle	4.5	2.3	84	24.5	24.5	8.1	8.1	28.8	28.9	95.6	95.7	6.8	6.8	11.3	3	88	88	88	88	89			<0.2	0.5	<0.2	0.5		
					Bottom	8.0	2.4	87	24.4	24.4	8.1	8.1	29.7	29.7	95.9	95.9	6.8	6.8	16.5	4	90	90	90	90	90			<0.2	0.6	<0.2	0.6		
IM8	Fine	Moderate	13:08	8.5	Surface	1.0	0.2	97	24.9	24.9	8.2	8.2	26.8	26.8	87.0	87.0	6.2	6.2	7.3	10	84	84	85	85	87	821828	808139	<0.2	1.1	<0.2	1.2		
					Middle	4.3	0.2	92	24.8	24.8	8.3	8.3	27.0	27.0	88.7	88.7	6.3	6.3	8.5	11	87	87	87	87	88			<0.2	1.1	<0.2	1.2		
					Bottom	7.5	0.3	74	24.6	24.6	8.3	8.3	28.5	28.5	90.7	90.7	6.4	6.4	10.3	9	89	89	89	89	89			<0.2	1.2	<0.2	1.2		
						7.5	0.3	79	24.6	24.6	8.3	8.3	28.5	28.5	90.7	90.7	6.4	6.4	10.1	9	89	89	89	89	89			<0.2	1.1	<0.2	1.1		

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

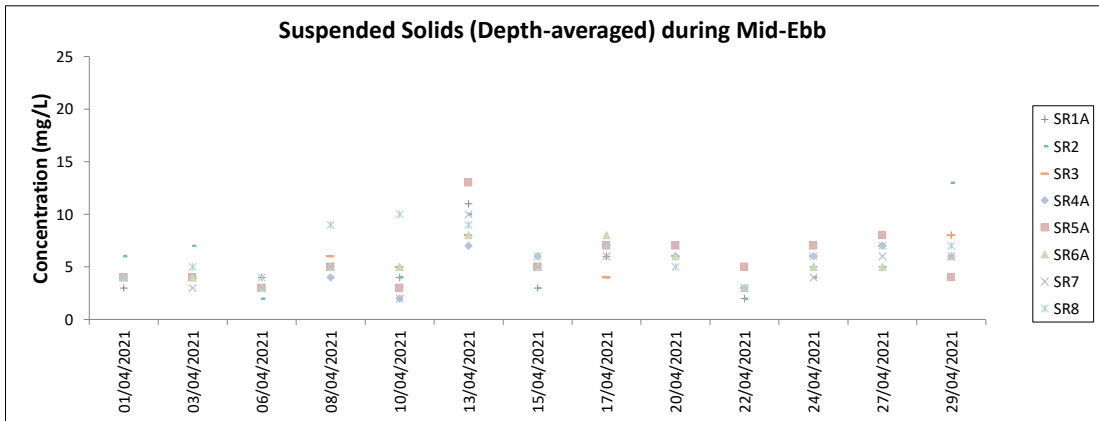
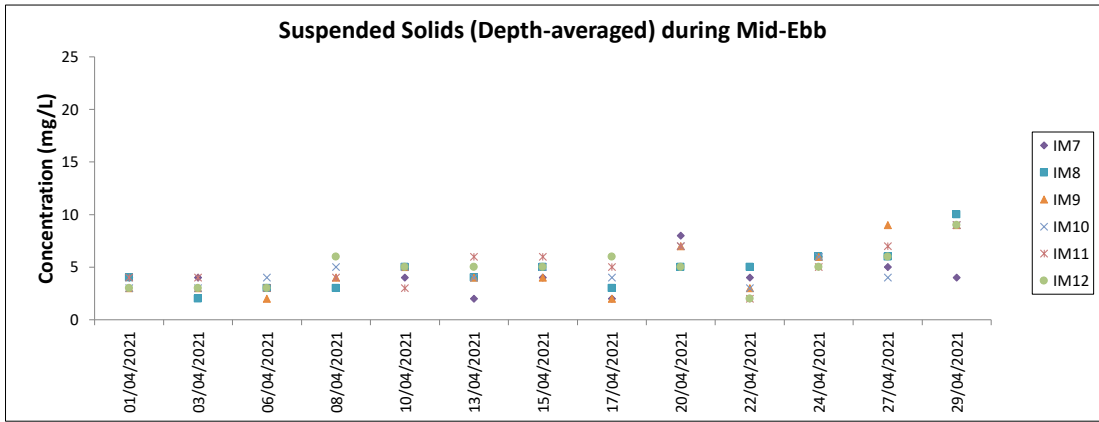
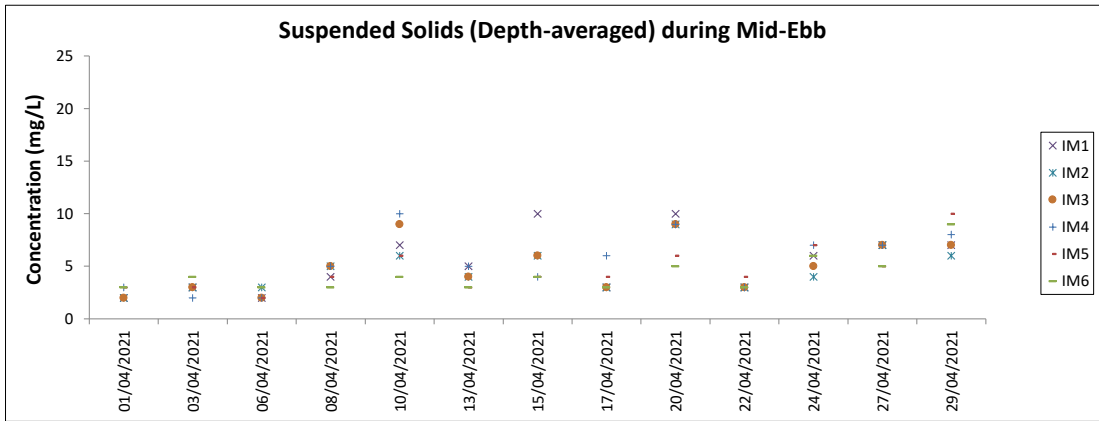
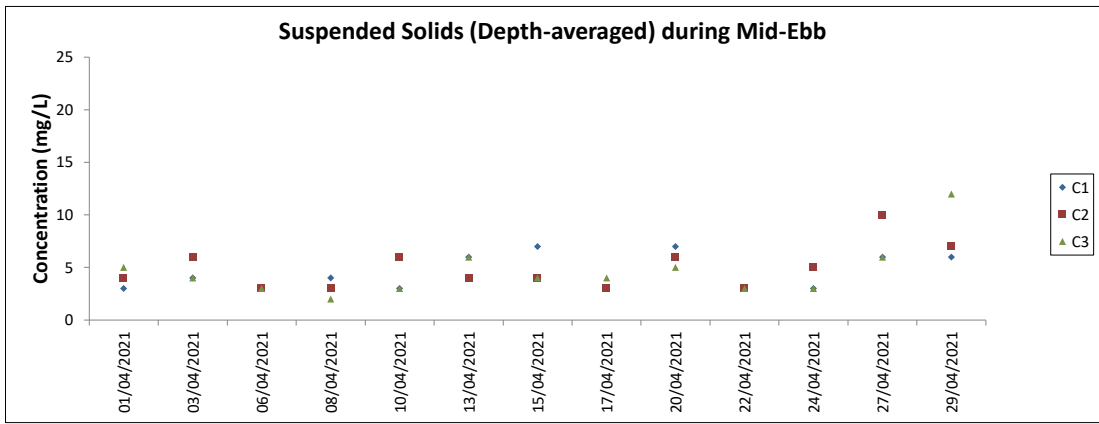




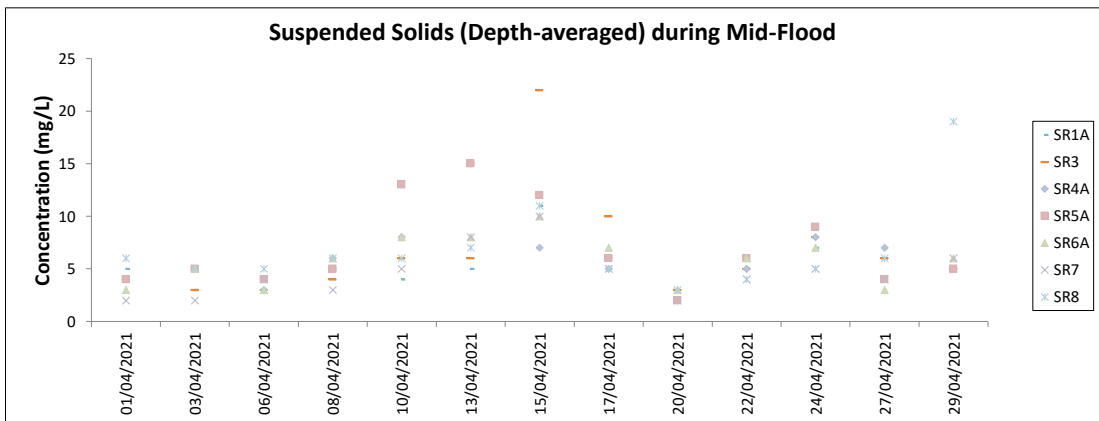
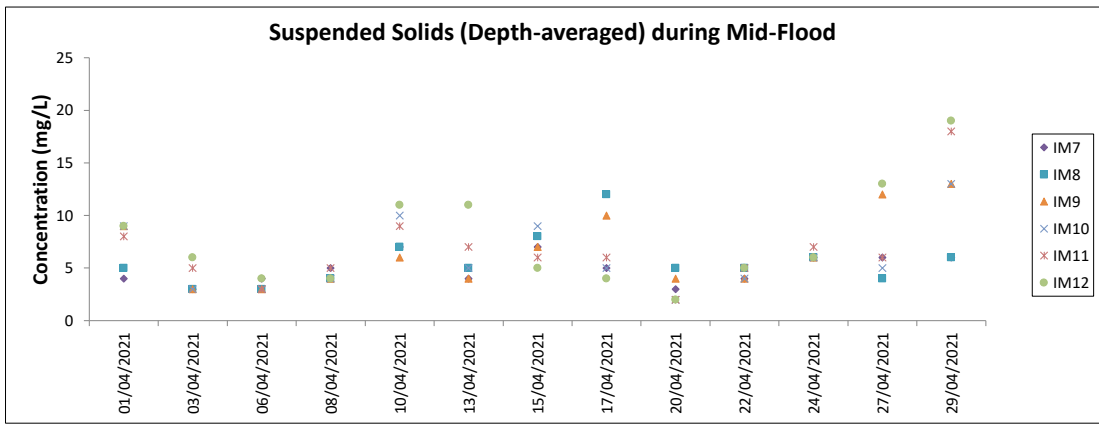
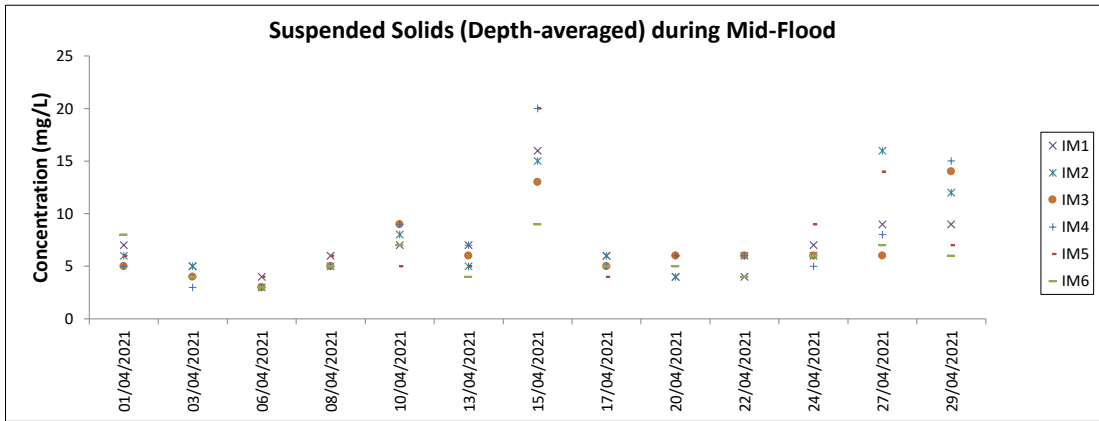
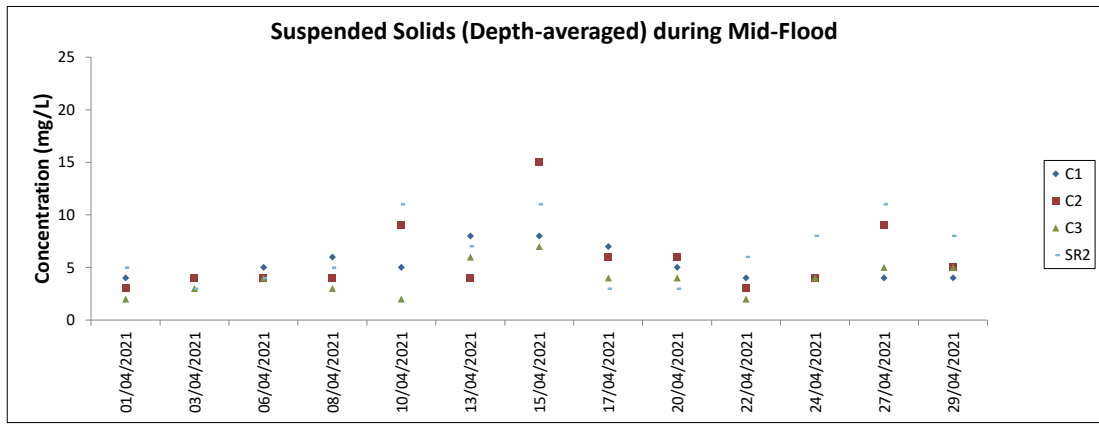
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



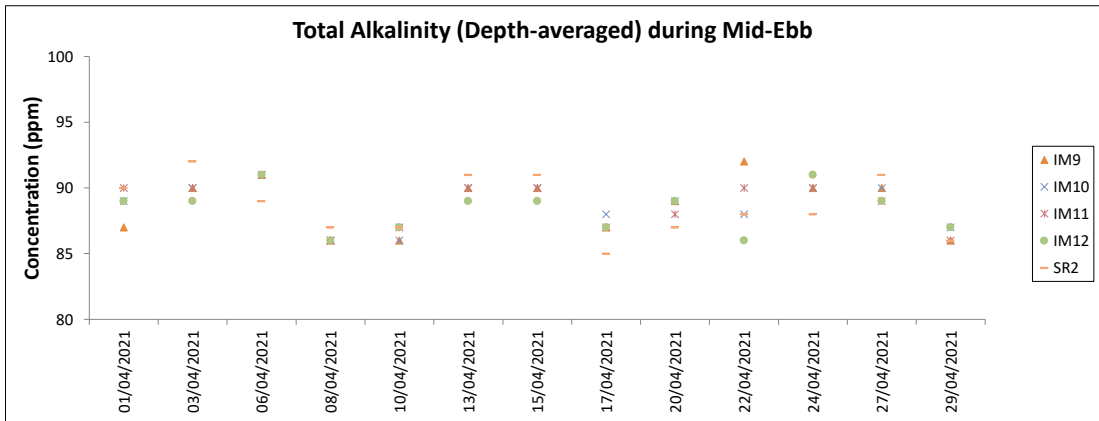
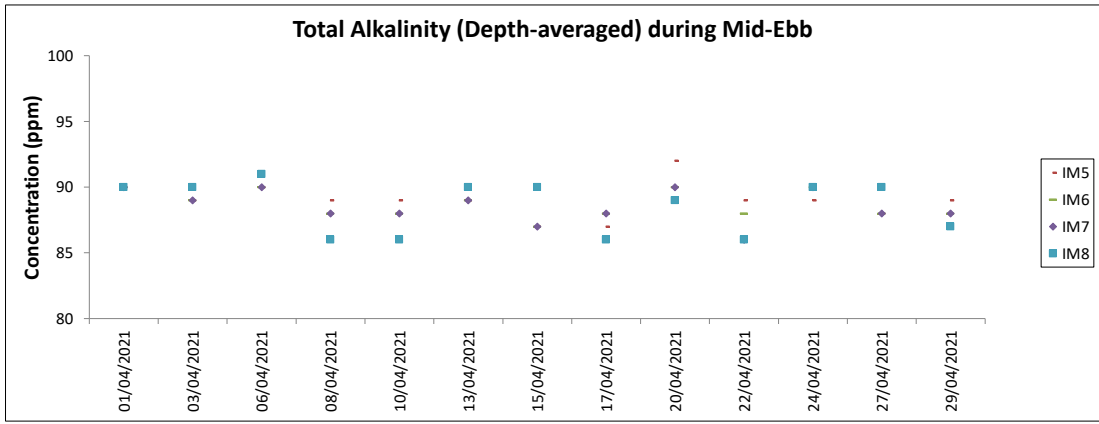
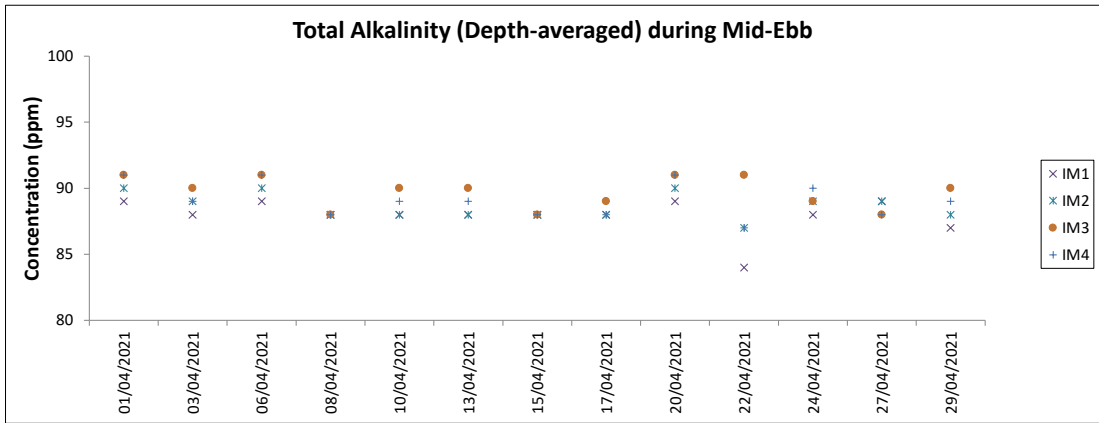
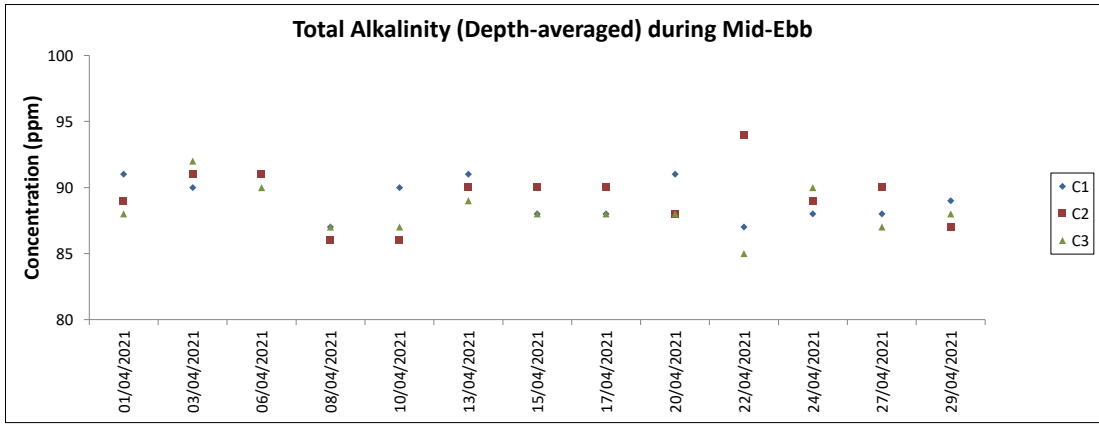
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



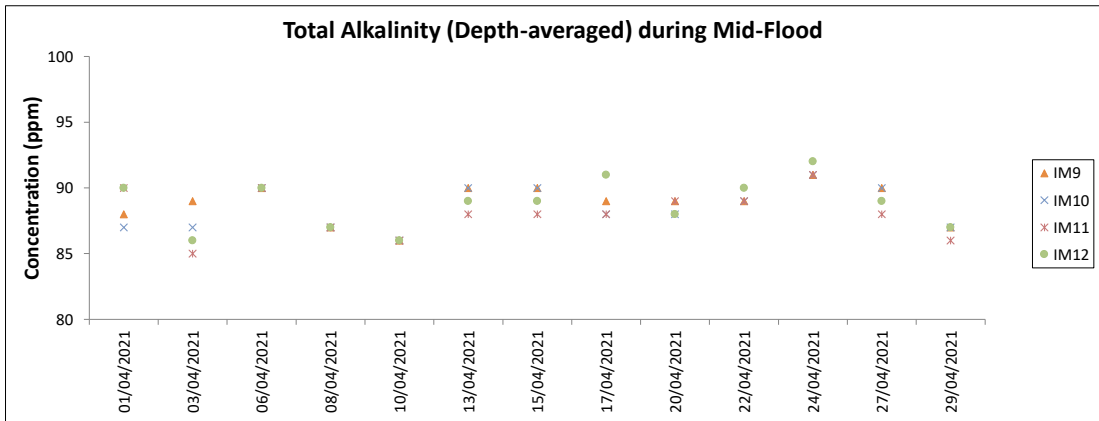
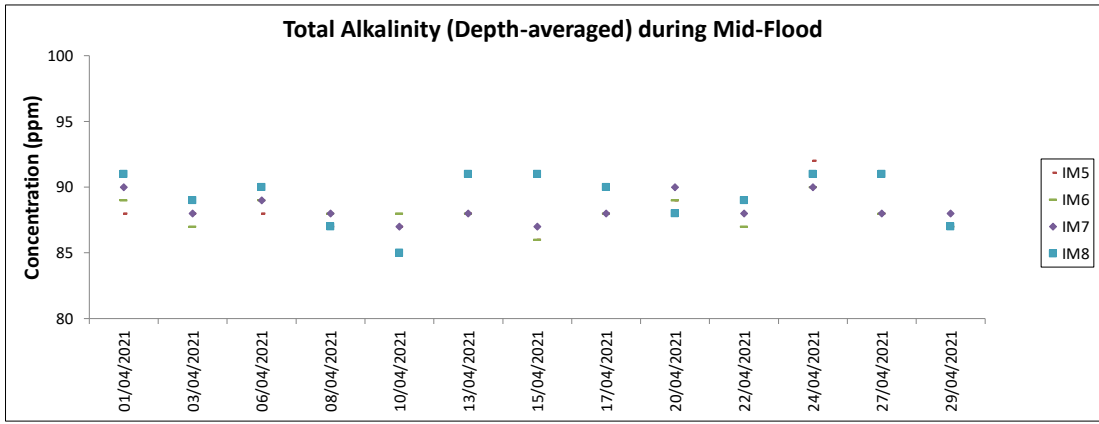
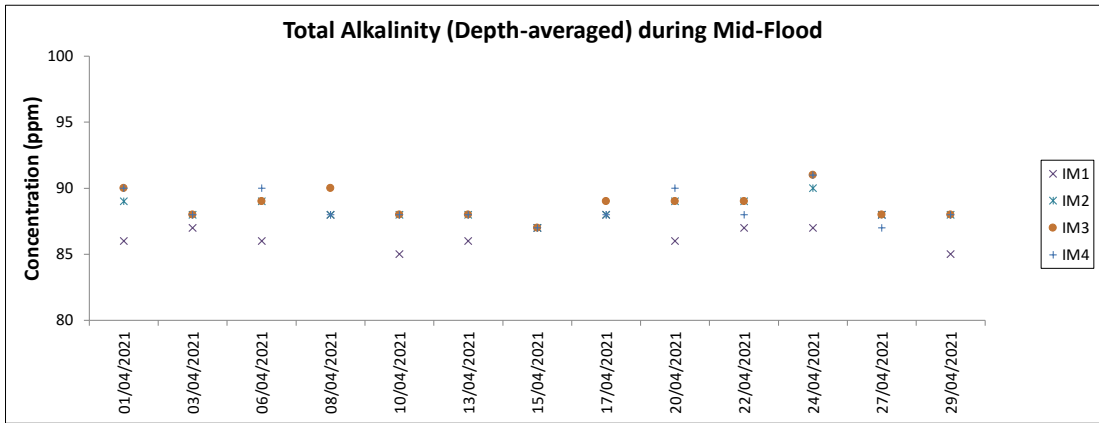
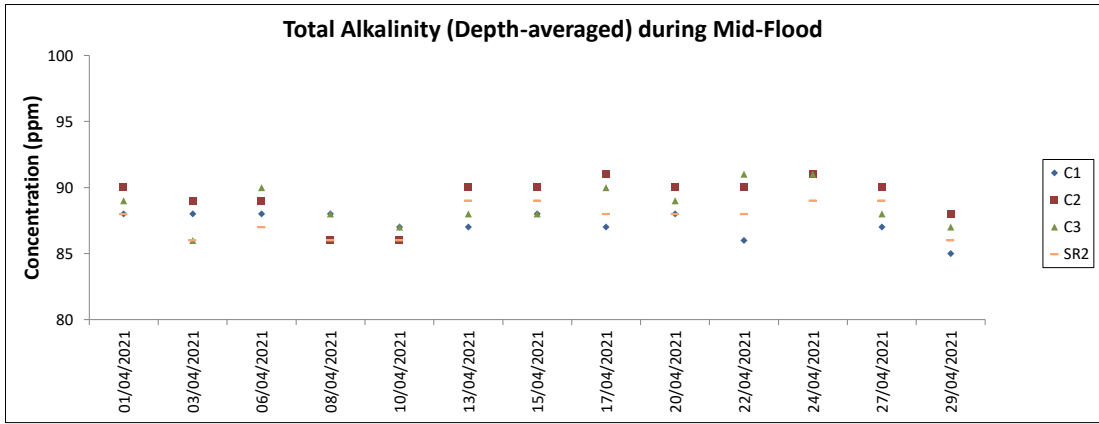
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



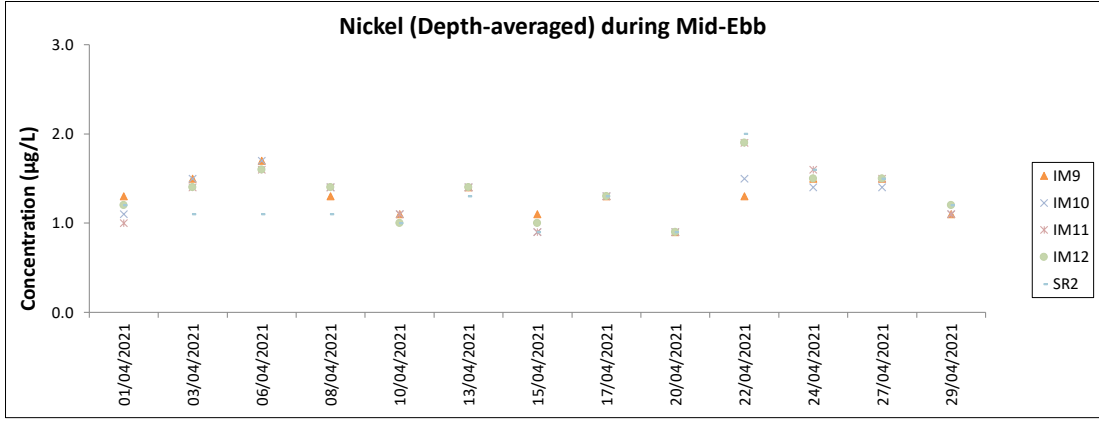
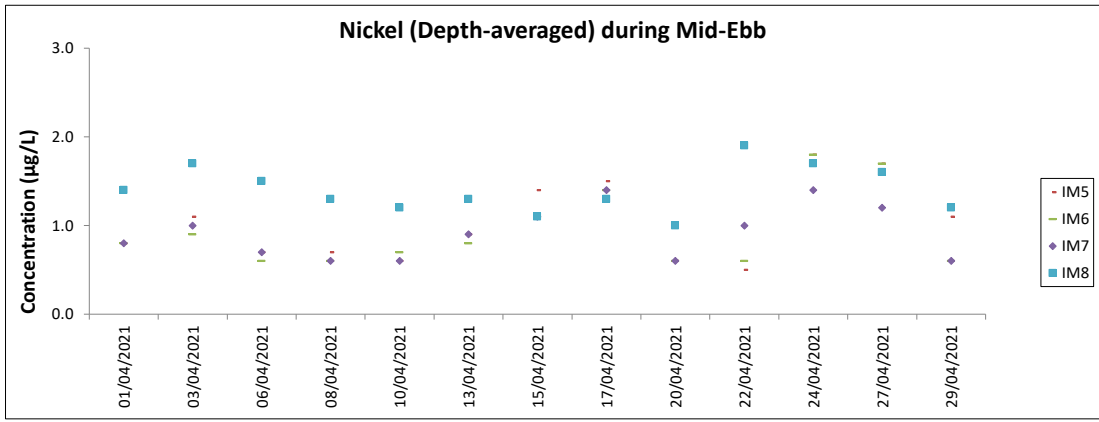
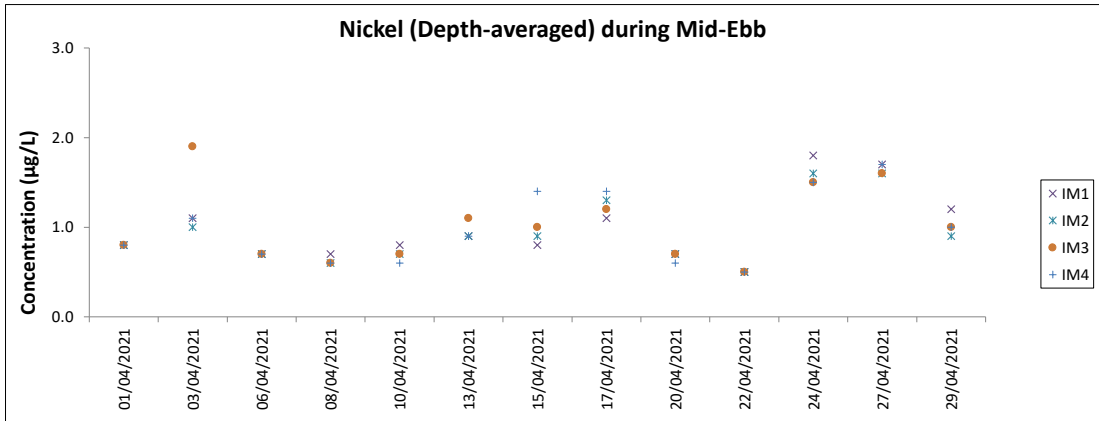
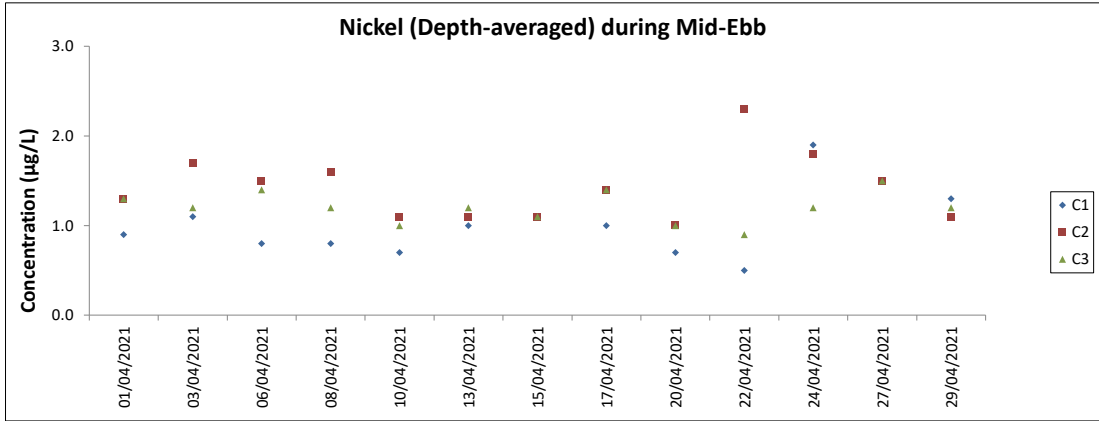
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



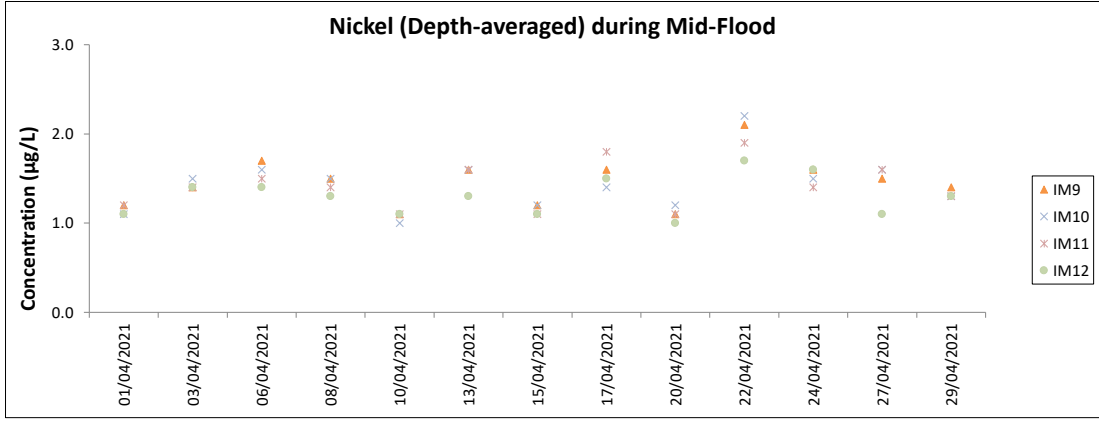
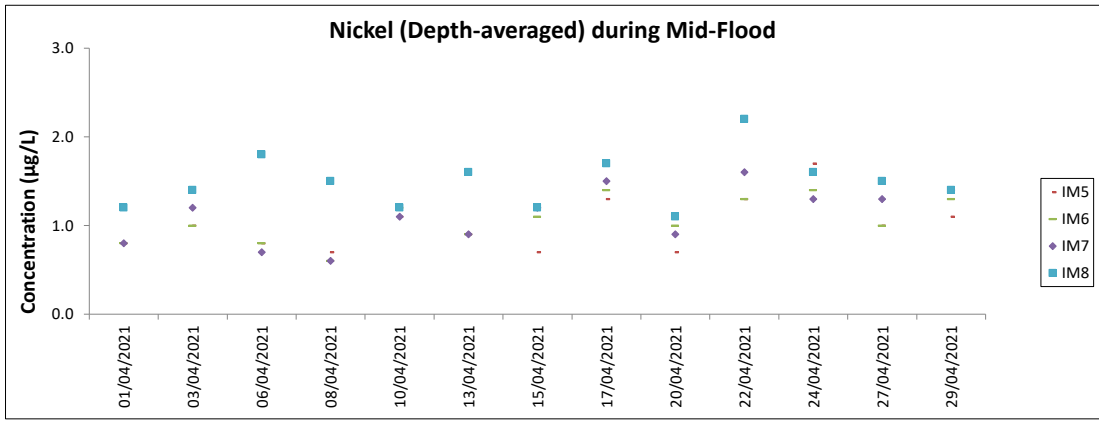
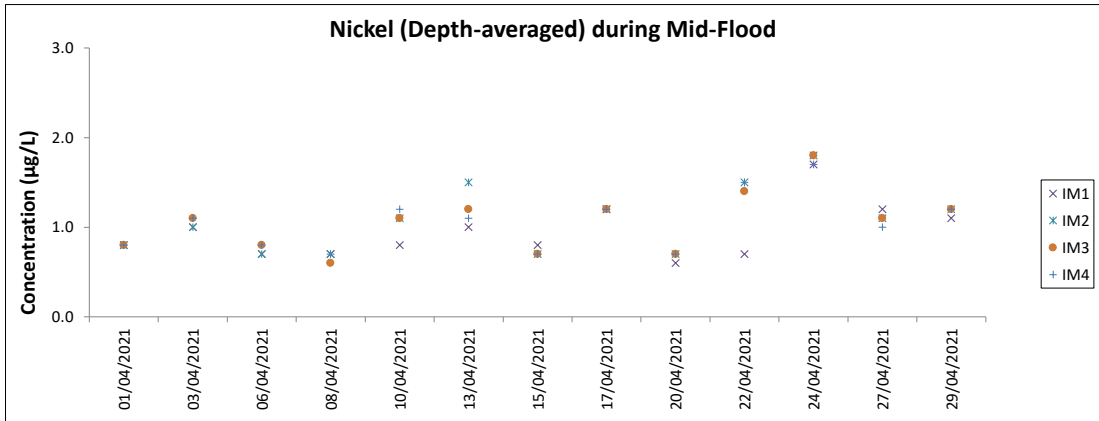
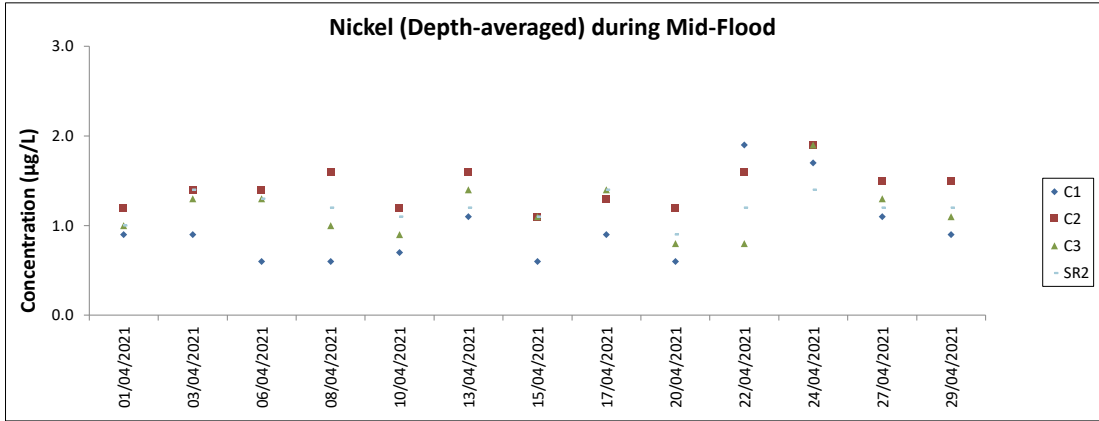
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
 All chromium results in the reporting period was below the reporting limit 0.2 µg/L.
 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
5-Feb-21	AW	3	4.670	WINTER	32166	3RS ET	P
5-Feb-21	WL	2	10.448	WINTER	32166	3RS ET	P
5-Feb-21	WL	3	6.690	WINTER	32166	3RS ET	P
5-Feb-21	WL	2	7.922	WINTER	32166	3RS ET	S
5-Feb-21	WL	3	2.180	WINTER	32166	3RS ET	S
8-Feb-21	NWL	2	3.780	WINTER	32166	3RS ET	P
8-Feb-21	NWL	3	24.720	WINTER	32166	3RS ET	P
8-Feb-21	NWL	4	30.770	WINTER	32166	3RS ET	P
8-Feb-21	NWL	2	4.170	WINTER	32166	3RS ET	S
8-Feb-21	NWL	3	1.900	WINTER	32166	3RS ET	S
8-Feb-21	NWL	4	5.440	WINTER	32166	3RS ET	S
9-Feb-21	NEL	2	2.900	WINTER	32166	3RS ET	P
9-Feb-21	NEL	3	32.690	WINTER	32166	3RS ET	P
9-Feb-21	NEL	4	1.400	WINTER	32166	3RS ET	P
9-Feb-21	NEL	3	10.310	WINTER	32166	3RS ET	S
16-Feb-21	AW	3	4.800	WINTER	32166	3RS ET	P
16-Feb-21	WL	2	10.372	WINTER	32166	3RS ET	P
16-Feb-21	WL	3	9.920	WINTER	32166	3RS ET	P
16-Feb-21	WL	2	6.548	WINTER	32166	3RS ET	S
16-Feb-21	WL	3	3.027	WINTER	32166	3RS ET	S
17-Feb-21	NWL	2	8.500	WINTER	32166	3RS ET	P
17-Feb-21	NWL	3	54.950	WINTER	32166	3RS ET	P
17-Feb-21	NWL	2	2.000	WINTER	32166	3RS ET	S
17-Feb-21	NWL	3	8.950	WINTER	32166	3RS ET	S
22-Feb-21	SWL	1	11.870	WINTER	32166	3RS ET	P
22-Feb-21	SWL	2	41.274	WINTER	32166	3RS ET	P
22-Feb-21	SWL	1	3.184	WINTER	32166	3RS ET	S
22-Feb-21	SWL	2	12.507	WINTER	32166	3RS ET	S
23-Feb-21	SWL	2	52.641	WINTER	32166	3RS ET	P
23-Feb-21	SWL	3	2.000	WINTER	32166	3RS ET	P
23-Feb-21	SWL	2	15.510	WINTER	32166	3RS ET	S
24-Feb-21	NEL	2	1.950	WINTER	32166	3RS ET	P
24-Feb-21	NEL	3	35.420	WINTER	32166	3RS ET	P
24-Feb-21	NEL	2	2.960	WINTER	32166	3RS ET	S
24-Feb-21	NEL	3	7.270	WINTER	32166	3RS ET	S
3-Mar-21	NEL	3	37.340	SPRING	32166	3RS ET	P
3-Mar-21	NEL	3	9.760	SPRING	32166	3RS ET	S
8-Mar-21	NWL	2	1.100	SPRING	32166	3RS ET	P
8-Mar-21	NWL	3	35.740	SPRING	32166	3RS ET	P
8-Mar-21	NWL	4	26.780	SPRING	32166	3RS ET	P
8-Mar-21	NWL	2	2.300	SPRING	32166	3RS ET	S
8-Mar-21	NWL	3	5.000	SPRING	32166	3RS ET	S
8-Mar-21	NWL	4	3.900	SPRING	32166	3RS ET	S
9-Mar-21	AW	3	4.720	SPRING	32166	3RS ET	P
9-Mar-21	WL	2	9.720	SPRING	32166	3RS ET	P
9-Mar-21	WL	3	10.360	SPRING	32166	3RS ET	P
9-Mar-21	WL	2	6.740	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
9-Mar-21	WL	3	4.630	SPRING	32166	3RS ET	S
10-Mar-21	NEL	2	1.100	SPRING	32166	3RS ET	P
10-Mar-21	NEL	3	25.400	SPRING	32166	3RS ET	P
10-Mar-21	NEL	4	10.430	SPRING	32166	3RS ET	P
10-Mar-21	NEL	3	7.070	SPRING	32166	3RS ET	S
10-Mar-21	NEL	4	3.100	SPRING	32166	3RS ET	S
12-Mar-21	SWL	1	3.850	SPRING	32166	3RS ET	P
12-Mar-21	SWL	2	49.702	SPRING	32166	3RS ET	P
12-Mar-21	SWL	3	0.900	SPRING	32166	3RS ET	P
12-Mar-21	SWL	2	14.678	SPRING	32166	3RS ET	S
12-Mar-21	SWL	3	1.100	SPRING	32166	3RS ET	S
15-Mar-21	AW	2	1.910	SPRING	32166	3RS ET	P
15-Mar-21	AW	3	2.740	SPRING	32166	3RS ET	P
15-Mar-21	WL	2	16.658	SPRING	32166	3RS ET	P
15-Mar-21	WL	3	3.340	SPRING	32166	3RS ET	P
15-Mar-21	WL	2	9.742	SPRING	32166	3RS ET	S
16-Mar-21	NWL	2	58.960	SPRING	32166	3RS ET	P
16-Mar-21	NWL	3	3.860	SPRING	32166	3RS ET	P
16-Mar-21	NWL	2	8.700	SPRING	32166	3RS ET	S
16-Mar-21	NWL	3	1.900	SPRING	32166	3RS ET	S
17-Mar-21	SWL	2	49.752	SPRING	32166	3RS ET	P
17-Mar-21	SWL	3	2.340	SPRING	32166	3RS ET	P
17-Mar-21	SWL	2	15.682	SPRING	32166	3RS ET	S
7-Apr-21	NWL	2	5.840	SPRING	32166	3RS ET	P
7-Apr-21	NWL	3	45.160	SPRING	32166	3RS ET	P
7-Apr-21	NWL	4	12.900	SPRING	32166	3RS ET	P
7-Apr-21	NWL	3	8.800	SPRING	32166	3RS ET	S
7-Apr-21	NWL	4	2.600	SPRING	32166	3RS ET	S
12-Apr-21	AW	2	2.950	SPRING	32166	3RS ET	P
12-Apr-21	AW	3	1.920	SPRING	32166	3RS ET	P
12-Apr-21	WL	2	14.085	SPRING	32166	3RS ET	P
12-Apr-21	WL	3	4.941	SPRING	32166	3RS ET	P
12-Apr-21	WL	2	7.213	SPRING	32166	3RS ET	S
12-Apr-21	WL	3	2.029	SPRING	32166	3RS ET	S
12-Apr-21	WL	4	0.970	SPRING	32166	3RS ET	S
13-Apr-21	SWL	1	1.810	SPRING	32166	3RS ET	P
13-Apr-21	SWL	2	43.686	SPRING	32166	3RS ET	P
13-Apr-21	SWL	3	7.090	SPRING	32166	3RS ET	P
13-Apr-21	SWL	2	13.349	SPRING	32166	3RS ET	S
13-Apr-21	SWL	3	2.280	SPRING	32166	3RS ET	S
14-Apr-21	NEL	3	37.080	SPRING	32166	3RS ET	P
14-Apr-21	NEL	3	9.920	SPRING	32166	3RS ET	S
15-Apr-21	NEL	3	29.770	SPRING	32166	3RS ET	P
15-Apr-21	NEL	4	7.400	SPRING	32166	3RS ET	P
15-Apr-21	NEL	3	7.730	SPRING	32166	3RS ET	S
15-Apr-21	NEL	4	2.100	SPRING	32166	3RS ET	S
19-Apr-21	NWL	3	24.300	SPRING	32166	3RS ET	P
19-Apr-21	NWL	4	33.330	SPRING	32166	3RS ET	P
19-Apr-21	NWL	5	6.370	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
19-Apr-21	NWL	3	5.900	SPRING	32166	3RS ET	S
19-Apr-21	NWL	4	2.900	SPRING	32166	3RS ET	S
19-Apr-21	NWL	5	3.000	SPRING	32166	3RS ET	S
20-Apr-21	AW	3	4.860	SPRING	32166	3RS ET	P
20-Apr-21	WL	2	1.600	SPRING	32166	3RS ET	P
20-Apr-21	WL	3	18.466	SPRING	32166	3RS ET	P
20-Apr-21	WL	2	1.100	SPRING	32166	3RS ET	S
20-Apr-21	WL	3	9.774	SPRING	32166	3RS ET	S
21-Apr-21	SWL	3	25.980	SPRING	32166	3RS ET	P
21-Apr-21	SWL	4	13.080	SPRING	32166	3RS ET	P
21-Apr-21	SWL	5	15.050	SPRING	32166	3RS ET	P
21-Apr-21	SWL	3	8.070	SPRING	32166	3RS ET	S
21-Apr-21	SWL	4	4.740	SPRING	32166	3RS ET	S
21-Apr-21	SWL	5	3.380	SPRING	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
5-Feb-21	1	1025	CWD	2	WL	2	374	ON	3RS ET	22.2726	113.8471	WINTER	NONE	S
5-Feb-21	2	1031	CWD	4	WL	2	22	ON	3RS ET	22.2692	113.8477	WINTER	GILLNETTER	P
5-Feb-21	3	1056	CWD	2	WL	2	817	ON	3RS ET	22.2612	113.8506	WINTER	NONE	P
5-Feb-21	4	1102	CWD	6	WL	2	424	ON	3RS ET	22.2602	113.8404	WINTER	NONE	P
5-Feb-21	5	1134	CWD	5	WL	2	698	ON	3RS ET	22.2413	113.8449	WINTER	NONE	P
5-Feb-21	6	1201	CWD	1	WL	2	130	ON	3RS ET	22.2232	113.8366	WINTER	NONE	P
5-Feb-21	7	1245	CWD	1	WL	3	231	ON	3RS ET	22.1967	113.8335	WINTER	NONE	P
8-Feb-21	1	1003	CWD	12	NWL	3	513	ON	3RS ET	22.4049	113.8702	WINTER	NONE	P
8-Feb-21	2	1102	CWD	1	NWL	3	779	ON	3RS ET	22.3266	113.8699	WINTER	NONE	P
8-Feb-21	3	1133	CWD	10	NWL	2	893	ON	3RS ET	22.2732	113.8703	WINTER	NONE	P
8-Feb-21	4	1254	CWD	1	NWL	3	18	ON	3RS ET	22.3571	113.8781	WINTER	NONE	P
16-Feb-21	1	1001	CWD	3	WL	3	698	ON	3RS ET	22.2962	113.8613	WINTER	NONE	P
16-Feb-21	2	1038	CWD	3	WL	3	175	ON	3RS ET	22.2669	113.8596	WINTER	NONE	S
16-Feb-21	3	1058	CWD	9	WL	3	510	ON	3RS ET	22.2606	113.8443	WINTER	GILLNETTER	P
16-Feb-21	4	1135	CWD	2	WL	3	275	ON	3RS ET	22.2500	113.8467	WINTER	NONE	P
16-Feb-21	5	1219	CWD	1	WL	2	35	ON	3RS ET	22.2203	113.8203	WINTER	NONE	S
17-Feb-21	1	1130	CWD	2	NWL	3	6	ON	3RS ET	22.3859	113.8775	WINTER	NONE	P
22-Feb-21	1	1043	FP	8	SWL	1	288	ON	3RS ET	22.1749	113.9366	WINTER	NONE	P
22-Feb-21	2	1051	FP	3	SWL	1	72	ON	3RS ET	22.1625	113.9363	WINTER	NONE	P
22-Feb-21	3	1058	FP	1	SWL	1	9	ON	3RS ET	22.1494	113.9355	WINTER	NONE	S
22-Feb-21	4	1101	FP	8	SWL	1	89	ON	3RS ET	22.1471	113.9322	WINTER	NONE	S
22-Feb-21	5	1108	FP	1	SWL	1	55	ON	3RS ET	22.1477	113.9275	WINTER	NONE	P
22-Feb-21	6	1115	FP	1	SWL	1	16	ON	3RS ET	22.1572	113.9274	WINTER	NONE	P
22-Feb-21	7	1308	FP	5	SWL	2	599	ON	3RS ET	22.1761	113.8972	WINTER	NONE	P
22-Feb-21	8	1314	FP	2	SWL	2	67	ON	3RS ET	22.1663	113.8972	WINTER	NONE	P
22-Feb-21	9	1320	FP	6	SWL	2	113	ON	3RS ET	22.1568	113.8974	WINTER	NONE	P
22-Feb-21	10	1330	FP	2	SWL	2	1	ON	3RS ET	22.1518	113.8876	WINTER	NONE	P
22-Feb-21	11	1339	FP	3	SWL	2	161	ON	3RS ET	22.1696	113.8878	WINTER	NONE	P
22-Feb-21	12	1405	FP	1	SWL	2	471	ON	3RS ET	22.2064	113.8785	WINTER	NONE	S
22-Feb-21	13	1410	FP	4	SWL	2	64	ON	3RS ET	22.1979	113.8982	WINTER	NONE	P
22-Feb-21	14	1442	FP	5	SWL	2	513	ON	3RS ET	22.1793	113.8686	WINTER	NONE	P
22-Feb-21	15	1446	FP	3	SWL	2	199	ON	3RS ET	22.1848	113.8687	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
22-Feb-21	16	1449	FP	5	SWL	2	672	ON	3RS ET	22.1891	113.8684	WINTER	NONE	P
22-Feb-21	17	1456	FP	1	SWL	2	61	ON	3RS ET	22.1966	113.8685	WINTER	NONE	P
22-Feb-21	18	1508	FP	3	SWL	2	360	ON	3RS ET	22.1849	113.8590	WINTER	NONE	P
23-Feb-21	1	1042	FP	2	SWL	2	310	ON	3RS ET	22.1774	113.9358	WINTER	NONE	P
23-Feb-21	2	1304	FP	3	SWL	2	62	ON	3RS ET	22.1668	113.89727	WINTER	NONE	P
23-Feb-21	3	1310	FP	7	SWL	2	285	ON	3RS ET	22.1643	113.8972	WINTER	NONE	P
23-Feb-21	4	1314	FP	3	SWL	2	18	ON	3RS ET	22.1587	113.8975	WINTER	NONE	P
23-Feb-21	5	1430	FP	3	SWL	2	63	ON	3RS ET	22.1743	113.8688	WINTER	NONE	P
8-Mar-21	1	0939	CWD	1	NWL	3	150	ON	3RS ET	22.4023	113.8702	SPRING	NONE	P
9-Mar-21	1	1145	CWD	4	WL	3	41	ON	3RS ET	22.2052	113.8337	SPRING	NONE	P
12-Mar-21	1	1051	FP	8	SWL	1	49	ON	3RS ET	22.1885	113.9365	SPRING	NONE	P
12-Mar-21	2	1105	FP	3	SWL	2	25	ON	3RS ET	22.1730	113.9361	SPRING	NONE	P
12-Mar-21	3	1114	FP	2	SWL	2	41	ON	3RS ET	22.1572	113.9366	SPRING	NONE	P
12-Mar-21	4	1145	FP	2	SWL	2	17	ON	3RS ET	22.1934	113.9270	SPRING	NONE	P
15-Mar-21	1	1010	CWD	1	WL	3	71	ON	3RS ET	22.2908	113.8613	SPRING	NONE	P
15-Mar-21	2	1146	CWD	7	WL	2	434	ON	3RS ET	22.2074	113.8395	SPRING	NONE	S
15-Mar-21	3	1217	CWD	1	WL	2	404	ON	3RS ET	22.2054	113.8230	SPRING	NONE	P
16-Mar-21	1	1039	CWD	1	NWL	2	915	ON	3RS ET	22.2800	113.8784	SPRING	NONE	P
16-Mar-21	2	1105	CWD	2	NWL	2	223	ON	3RS ET	22.3070	113.8753	SPRING	NONE	S
17-Mar-21	1	1038	FP	3	SWL	2	200	ON	3RS ET	22.2012	113.9359	SPRING	NONE	P
17-Mar-21	2	1046	FP	7	SWL	2	315	ON	3RS ET	22.1876	113.9360	SPRING	NONE	P
17-Mar-21	3	1054	FP	8	SWL	2	9	ON	3RS ET	22.1763	113.9359	SPRING	NONE	P
17-Mar-21	4	1107	FP	2	SWL	2	2	ON	3RS ET	22.1491	113.9344	SPRING	NONE	S
17-Mar-21	5	1216	FP	2	SWL	2	58	ON	3RS ET	22.1411	113.9089	SPRING	NONE	S
17-Mar-21	6	1223	FP	4	SWL	2	211	ON	3RS ET	22.1526	113.9079	SPRING	NONE	P
17-Mar-21	7	1228	FP	2	SWL	2	13	ON	3RS ET	22.1556	113.9019	SPRING	NONE	S
17-Mar-21	8	1319	FP	4	SWL	2	184	ON	3RS ET	22.1728	113.8968	SPRING	NONE	P
17-Mar-21	9	1327	FP	3	SWL	2	72	ON	3RS ET	22.1582	113.8974	SPRING	NONE	P
17-Mar-21	10	1340	FP	2	SWL	2	186	ON	3RS ET	22.1579	113.8881	SPRING	NONE	P
17-Mar-21	11	1420	FP	3	SWL	3	67	ON	3RS ET	22.1856	113.8779	SPRING	NONE	P
17-Mar-21	12	1431	FP	1	SWL	2	122	ON	3RS ET	22.1630	113.8785	SPRING	NONE	P
17-Mar-21	13	1451	FP	1	SWL	2	11	ON	3RS ET	22.1891	113.8686	SPRING	NONE	P
17-Mar-21	14	1524	CWD	1	SWL	2	86	ON	3RS ET	22.1843	113.8486	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
12-Apr-21	1	1047	CWD	2	WL	2	271	ON	3RS ET	22.2501	113.8423	SPRING	NONE	P
12-Apr-21	2	1130	CWD	4	WL	2	335	ON	3RS ET	22.2322	113.8306	SPRING	NONE	P
12-Apr-21	3	1140	CWD	2	WL	2	52	ON	3RS ET	22.2237	113.8375	SPRING	NONE	S
12-Apr-21	4	1206	CWD	7	WL	2	438	ON	3RS ET	22.2143	113.8293	SPRING	NONE	P
13-Apr-21	1	1050	FP	3	SWL	2	222	ON	3RS ET	22.1852	113.9374	SPRING	NONE	P
13-Apr-21	2	1055	FP	4	SWL	2	150	ON	3RS ET	22.1759	113.9373	SPRING	NONE	P
13-Apr-21	3	1100	FP	3	SWL	2	14	ON	3RS ET	22.1700	113.9372	SPRING	NONE	P
13-Apr-21	4	1214	FP	1	SWL	2	419	ON	3RS ET	22.1414	113.9163	SPRING	NONE	S
13-Apr-21	5	1349	FP	3	SWL	2	413	ON	3RS ET	22.1900	113.8887	SPRING	NONE	P
13-Apr-21	6	1450	CWD	3	SWL	3	125	ON	3RS ET	22.1923	113.8691	SPRING	PURSE SEINER	P
13-Apr-21	7	1536	CWD	3	SWL	3	322	ON	3RS ET	22.1893	113.8491	SPRING	PURSE SEINER	P
20-Apr-21	1	1204	CWD	2	WL	3	155	ON	3RS ET	22.1910	113.8417	SPRING	PURSE SEINER	S
21-Apr-21	1	1152	FP	4	SWL	5	132	ON	3RS ET	22.1602	113.9181	SPRING	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 345.703 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 7 on-effort sightings and total number of 23 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in April 2021 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in April 2021

$$STG = \frac{7}{345.703} \times 100 = 2.02$$

Encounter Rate by Number of Dolphins (ANI) in April 2021

$$ANI = \frac{23}{345.703} \times 100 = 6.65$$

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

A total of 1160.530 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 32 on-effort sightings and total number of 106 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)









$$STG = \frac{32}{1160.530} \times 100 = 2.76$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{106}{1160.530} \times 100 = 9.13$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM014_20210412_2_2	WLMM028_20210412_2_4
	
WLMM029_20210412_2_4	WLMM160_20210412_2_5
	
SLMM003_20210412_4_2	SLMM007_20210412_4_14
	
SLMM014_20210412_4_2	SLMM037_20210412_4_5



SLMM073_20210412_4_10



WLMM007_20210412_4_14



WLMM039_20210412_4_8



SLMM031_20210413_6_1



SLMM037_20210413_6_9



WLMM131_20210413_6_14



SLMM037_20210413_7_3



WLMM114_20210413_7_1



WLMM131_20210413_7_3

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
15/Apr/21	Sha Chau	10:43	16:43	6:00	3-4	1-2	0	-
21/Apr/21	Lung Kwu Chau	8:52	14:52	6:00	2-3	2	2	1-4

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