

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

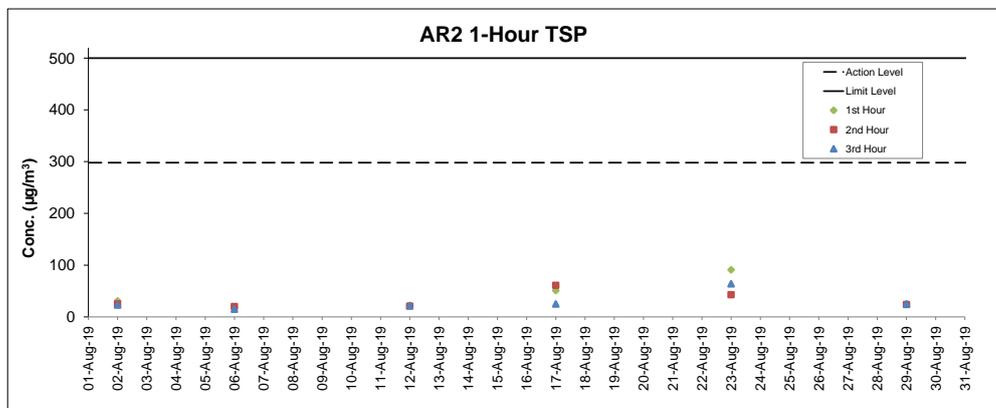
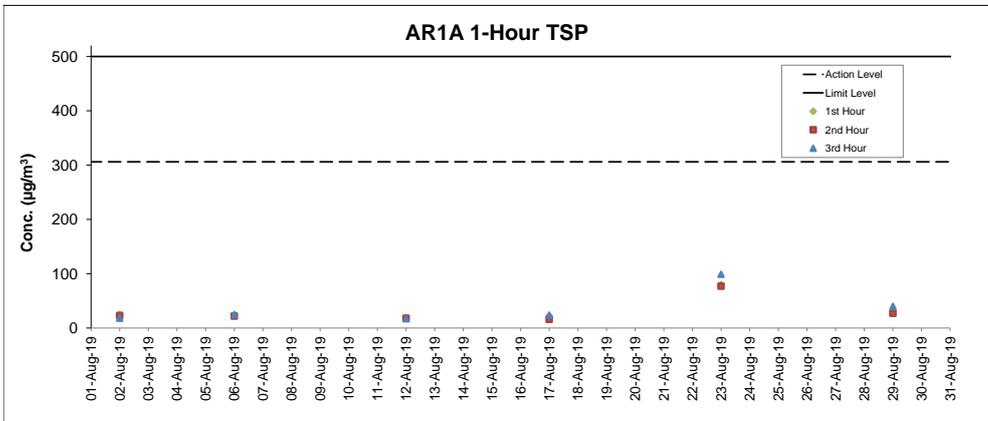
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
02-Aug-19	13:38	Cloudy	6.3	84	25	306	500
02-Aug-19	14:38	Cloudy	9.0	94	23	306	500
02-Aug-19	15:38	Cloudy	9.1	101	18	306	500
06-Aug-19	14:16	Cloudy	1.6	353	23	306	500
06-Aug-19	15:16	Cloudy	3.7	62	22	306	500
06-Aug-19	16:16	Cloudy	3.0	62	25	306	500
12-Aug-19	12:09	Sunny	4.8	248	19	306	500
12-Aug-19	13:09	Sunny	5.3	236	18	306	500
12-Aug-19	14:09	Sunny	7.2	230	17	306	500
17-Aug-19	14:00	Rainy	2.7	281	22	306	500
17-Aug-19	15:00	Rainy	6.7	227	16	306	500
17-Aug-19	16:00	Rainy	5.7	227	24	306	500
23-Aug-19	9:31	Drizzle	2.0	81	80	306	500
23-Aug-19	10:31	Drizzle	4.1	243	77	306	500
23-Aug-19	11:31	Drizzle	3.1	235	99	306	500
29-Aug-19	9:45	Cloudy	8.2	98	32	306	500
29-Aug-19	10:45	Cloudy	8.3	105	27	306	500
29-Aug-19	11:45	Cloudy	9.1	103	40	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 ($\mu\text{g}/\text{m}^3$)
02-Aug-19	9:30	Cloudy	6.3	84	31	298	500
02-Aug-19	10:30	Cloudy	9.0	94	25	298	500
02-Aug-19	11:30	Cloudy	9.1	101	23	298	500
06-Aug-19	9:42	Cloudy	2.4	21	19	298	500
06-Aug-19	10:42	Cloudy	2.5	8	20	298	500
06-Aug-19	11:42	Cloudy	1.3	Variable	15	298	500
12-Aug-19	9:31	Sunny	4.4	235	22	298	500
12-Aug-19	10:31	Sunny	4.0	239	21	298	500
12-Aug-19	11:31	Sunny	3.8	247	22	298	500
17-Aug-19	9:45	Rainy	2.4	347	51	298	500
17-Aug-19	10:45	Rainy	2.0	8	61	298	500
17-Aug-19	11:45	Rainy	1.8	127	25	298	500
23-Aug-19	12:02	Drizzle	3.8	272	91	298	500
23-Aug-19	13:02	Drizzle	3.1	271	43	298	500
23-Aug-19	14:02	Drizzle	1.9	286	64	298	500
29-Aug-19	9:40	Cloudy	8.5	102	25	298	500
29-Aug-19	10:40	Cloudy	8.1	104	24	298	500
29-Aug-19	11:40	Cloudy	8.7	100	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	Measured	$L_{eq(30min)}$ dB(A)
			L_{10} dB(A)	L_{50} dB(A)	
02-Aug-19	Cloudy	13:49	73.1	55.6	72
02-Aug-19	Cloudy	13:54	72.8	55.5	
02-Aug-19	Cloudy	13:59	73.5	56.6	
02-Aug-19	Cloudy	14:04	71.3	54.7	
02-Aug-19	Cloudy	14:09	71.4	54.7	
02-Aug-19	Cloudy	14:14	74.0	55.7	
06-Aug-19	Cloudy	14:45	67.0	60.5	71
06-Aug-19	Cloudy	14:50	70.3	61.2	
06-Aug-19	Cloudy	14:55	66.7	61.1	
06-Aug-19	Cloudy	15:00	71.7	57.3	
06-Aug-19	Cloudy	15:05	71.6	60.0	
06-Aug-19	Cloudy	15:10	70.3	58.0	
12-Aug-19	Sunny	12:22	71.0	58.0	70
12-Aug-19	Sunny	12:27	68.6	56.0	
12-Aug-19	Sunny	12:32	68.5	56.4	
12-Aug-19	Sunny	12:37	70.6	56.6	
12-Aug-19	Sunny	12:42	71.1	57.1	
12-Aug-19	Sunny	12:47	68.3	58.7	
23-Aug-19	Cloudy	10:47	73.0	56.8	67
23-Aug-19	Cloudy	10:52	75.7	58.2	
23-Aug-19	Cloudy	10:57	76.4	56.7	
23-Aug-19	Cloudy	11:02	75.4	56.7	
23-Aug-19	Cloudy	11:07	75.1	54.1	
23-Aug-19	Cloudy	11:12	76.2	56.4	
29-Aug-19	Cloudy	11:04	71.8	59.1	72
29-Aug-19	Cloudy	11:09	73.9	59.8	
29-Aug-19	Cloudy	11:14	73.0	58.6	
29-Aug-19	Cloudy	11:19	73.7	59.3	
29-Aug-19	Cloudy	11:24	71.7	57.2	
29-Aug-19	Cloudy	11:29	70.9	58.5	

Remarks:

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

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured	Measured	$L_{eq(30min)}$ dB(A)
			L_{10} dB(A)	L_{50} dB(A)	
02-Aug-19	Cloudy	11:39	63.5	59.7	65
02-Aug-19	Cloudy	11:44	63.8	59.9	
02-Aug-19	Cloudy	11:49	63.3	59.6	
02-Aug-19	Cloudy	11:54	66.2	60.2	
02-Aug-19	Cloudy	11:59	64.4	59.6	
02-Aug-19	Cloudy	12:04	63.2	58.9	
06-Aug-19	Cloudy	17:08	59.5	56.2	59
06-Aug-19	Cloudy	17:13	58.1	56.6	
06-Aug-19	Cloudy	17:18	57.5	54.7	
06-Aug-19	Cloudy	17:23	56.4	54.0	
06-Aug-19	Cloudy	17:28	56.6	52.7	
06-Aug-19	Cloudy	17:33	57.7	51.7	
12-Aug-19	Sunny	14:22	61.4	56.8	62
12-Aug-19	Sunny	14:27	59.0	56.7	
12-Aug-19	Sunny	14:32	60.4	56.9	
12-Aug-19	Sunny	14:37	61.7	58.0	
12-Aug-19	Sunny	14:42	61.5	57.5	
12-Aug-19	Sunny	14:47	61.7	57.7	
23-Aug-19	Cloudy	15:56	61.9	58.1	65
23-Aug-19	Cloudy	16:01	62.5	58.4	
23-Aug-19	Cloudy	16:06	63.4	58.6	
23-Aug-19	Cloudy	16:11	63.0	57.9	
23-Aug-19	Cloudy	16:16	64.4	58.9	
23-Aug-19	Cloudy	16:21	63.8	58.7	
29-Aug-19	Drizzle	14:15	62.1	57.5	62
29-Aug-19	Drizzle	14:20	60.5	57.2	
29-Aug-19	Drizzle	14:25	59.9	57.0	
29-Aug-19	Drizzle	14:30	59.3	56.5	
29-Aug-19	Drizzle	14:35	59.2	57.1	
29-Aug-19	Drizzle	14:40	58.5	57.0	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A)
02-Aug-19	Cloudy	9:39	53.3	46.7	57
02-Aug-19	Cloudy	9:44	57.1	48.4	
02-Aug-19	Cloudy	9:49	51.1	46.0	
02-Aug-19	Cloudy	9:54	51.4	46.9	
02-Aug-19	Cloudy	9:59	59.0	47.7	
02-Aug-19	Cloudy	10:04	55.4	48.5	57
06-Aug-19	Cloudy	9:48	56.6	48.2	
06-Aug-19	Cloudy	9:53	53.7	47.5	
06-Aug-19	Cloudy	9:58	53.5	48.3	
06-Aug-19	Cloudy	10:03	60.3	48.8	
06-Aug-19	Cloudy	10:08	56.2	50.2	55
06-Aug-19	Cloudy	10:13	54.0	46.6	
12-Aug-19	Sunny	10:33	53.1	43.8	
12-Aug-19	Sunny	10:38	52.1	46.7	
12-Aug-19	Sunny	10:43	53.8	47.0	
12-Aug-19	Sunny	10:48	49.1	43.2	55
12-Aug-19	Sunny	10:53	55.2	46.5	
12-Aug-19	Sunny	10:58	54.8	45.9	
23-Aug-19	Cloudy	12:35	53.0	45.4	
23-Aug-19	Cloudy	12:40	52.2	45.8	
23-Aug-19	Cloudy	12:45	52.7	45.0	
23-Aug-19	Cloudy	12:50	52.7	43.7	
23-Aug-19	Cloudy	12:55	58.3	45.3	
23-Aug-19	Cloudy	13:00	51.6	46.4	
29-Aug-19	Cloudy	9:42	67.2	49.0	64
29-Aug-19	Cloudy	9:47	57.4	48.6	
29-Aug-19	Cloudy	9:52	55.0	48.0	
29-Aug-19	Cloudy	9:57	55.4	48.7	
29-Aug-19	Cloudy	10:02	53.5	48.2	
29-Aug-19	Cloudy	10:07	57.1	48.7	

Remarks:

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

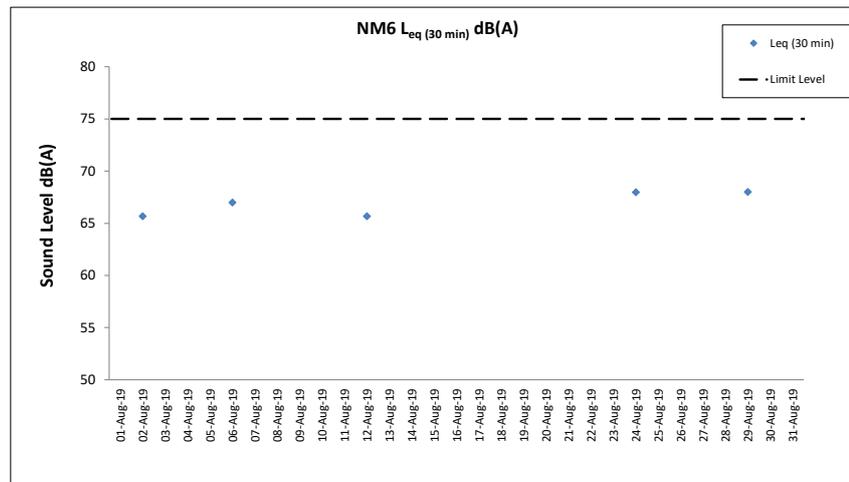
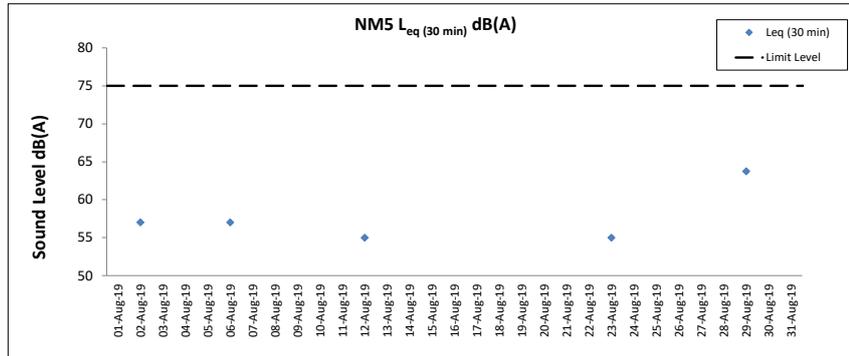
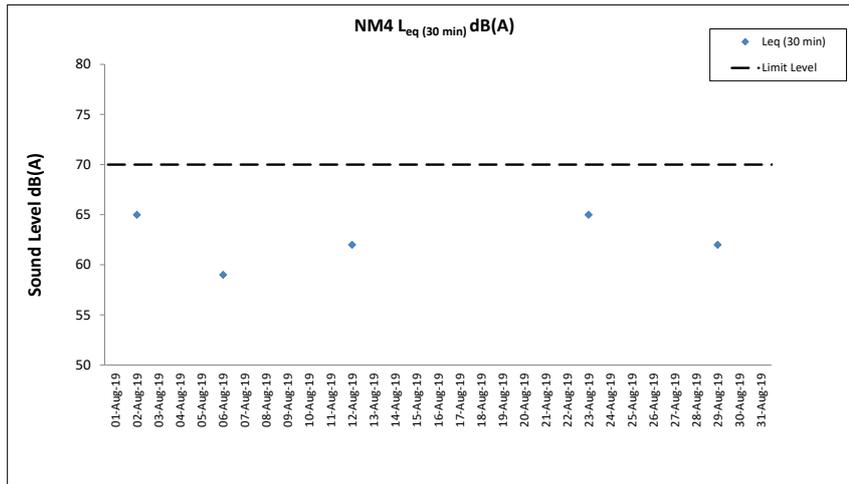
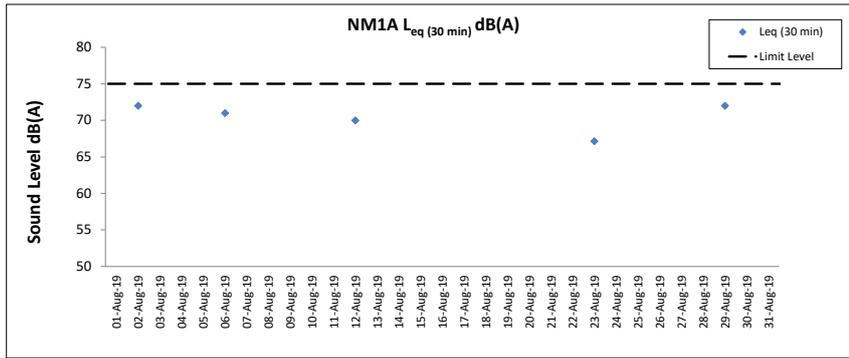
Noise Measurement Results

Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A)
02-Aug-19	Cloudy	9:48	63.8	59.4	66
02-Aug-19	Cloudy	9:53	62.5	59.5	
02-Aug-19	Cloudy	9:58	62.5	59.3	
02-Aug-19	Cloudy	10:03	66.9	59.5	
02-Aug-19	Cloudy	10:08	64.4	59.7	
02-Aug-19	Cloudy	10:13	71.9	59.4	67
06-Aug-19	Sunny	15:44	69.6	54.9	
06-Aug-19	Sunny	15:49	65.8	60.6	
06-Aug-19	Sunny	15:54	67.4	62.5	
06-Aug-19	Sunny	15:59	70.2	56.1	
06-Aug-19	Sunny	16:04	65.9	56.6	66
06-Aug-19	Sunny	16:09	65.1	56.7	
12-Aug-19	Sunny	15:42	72.4	48.0	
12-Aug-19	Sunny	15:47	69.0	47.2	
12-Aug-19	Sunny	15:52	68.8	46.5	
12-Aug-19	Sunny	15:57	70.1	47.2	68
12-Aug-19	Sunny	16:02	71.4	47.1	
12-Aug-19	Sunny	16:07	70.8	46.6	
24-Aug-19	Cloudy	9:49	74.2	50.8	
24-Aug-19	Cloudy	9:54	72.3	48.7	
24-Aug-19	Cloudy	9:59	71.4	47.4	
24-Aug-19	Cloudy	10:04	71.3	45.4	
24-Aug-19	Cloudy	10:09	74.3	48.2	
24-Aug-19	Cloudy	10:14	63.5	46.6	
29-Aug-19	Cloudy	15:39	70.1	60.6	68
29-Aug-19	Cloudy	15:44	69.6	58.2	
29-Aug-19	Cloudy	15:49	61.3	52.5	
29-Aug-19	Cloudy	15:54	67.6	51.1	
29-Aug-19	Cloudy	15:59	71.3	60.6	
29-Aug-19	Cloudy	16:04	67.1	57.6	

Remarks:

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



Notes

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

Water Quality Monitoring Results

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 19 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	Rainy	Moderate	13:54	7.8	Surface	1.0	0.4	199	26.5	26.5	7.9	7.9	25.9	25.9	77.5	77.5	5.4	5.4	2.0	6	84	84	<0.2	1.4	87	815634	804247	<0.2	1.4	1.4								
						1.0	0.4	207	26.5	7.9	7.9	25.9	25.9	77.4	77.4	5.4	5.4	2.0	7	84	84	<0.2	1.4															
						3.9	0.6	192	26.5	7.9	7.9	26.8	26.8	74.0	74.0	5.1	5.1	3.3	9	87	87	<0.2	1.3															
					Middle	3.9	0.6	194	26.5	7.9	7.9	26.8	26.8	74.0	74.0	5.1	5.1	3.3	9	87	87	<0.2	1.3															
						6.8	0.4	194	26.6	7.9	7.9	27.1	27.1	73.8	73.8	5.1	5.1	6.8	8	91	91	<0.2	1.5															
						6.8	0.4	199	26.6	7.9	7.9	27.1	27.1	73.8	73.8	5.1	5.1	6.8	9	91	91	<0.2	1.3															
					Bottom	1.0	0.3	57	27.3	7.7	7.7	18.8	18.8	79.0	79.0	5.6	5.6	5.6	12	82	82	<0.2	1.1															
						1.0	0.3	57	27.3	27.3	7.7	7.7	18.8	18.8	79.0	79.0	5.6	5.6	5.6	13	83	83	<0.2	1.1														
						4.1	0.6	104	27.2	27.2	7.7	7.7	19.4	19.4	79.5	79.5	5.7	5.7	7.5	10	86	86	<0.2	1.2														
C2	Cloudy	Rough	12:59	8.1	Surface	1.0	0.6	110	27.2	27.2	7.7	7.7	19.4	19.4	79.5	79.5	5.7	5.7	7.5	12	87	87	<0.2	1.2	87	825661	806950	<0.2	1.1	1.1								
						4.1	0.6	110	27.2	27.2	7.7	7.7	19.4	19.4	79.5	79.5	5.7	5.7	7.5	12	87	87	<0.2	1.2														
						7.1	0.6	91	27.1	27.1	7.7	7.7	19.6	19.6	79.7	79.7	5.7	5.7	8.0	9	91	91	<0.2	1.1														
					Middle	7.1	0.6	98	27.1	27.1	7.7	7.7	19.6	19.6	79.7	79.7	5.7	5.7	8.0	8	91	91	<0.2	1.1														
						1.0	0.6	95	27.1	27.1	7.9	7.9	21.1	21.1	80.1	80.1	5.7	5.7	0.8	6	82	82	<0.2	1.0														
						1.0	0.7	100	27.1	27.1	7.9	7.9	21.1	21.1	79.9	79.9	5.7	5.7	0.8	4	83	83	<0.2	1.1														
					Bottom	5.9	0.5	90	26.7	26.7	7.9	7.9	23.7	23.7	74.6	74.6	5.2	5.2	1.2	6	87	87	<0.2	0.9														
						5.9	0.5	98	26.7	26.7	7.9	7.9	23.7	23.7	74.6	74.6	5.2	5.2	1.2	5	87	87	<0.2	1.1														
						10.8	0.3	118	26.7	26.7	8.0	8.0	24.1	24.1	77.3	77.3	5.4	5.4	2.1	4	91	91	<0.2	1.1														
C3	Cloudy	Rough	15:05	11.8	Surface	1.0	0.3	118	26.7	26.7	8.0	8.0	24.1	24.1	77.4	77.4	5.4	5.4	2.0	4	91	91	<0.2	1.0	87	822108	817804	<0.2	1.1	1.0								
						1.0	0.3	180	28.3	28.3	7.9	7.9	14.1	14.1	98.4	98.5	7.1	7.1	3.6	11	85	85	<0.2	1.1														
						1.0	0.3	181	28.3	28.3	7.9	7.9	14.1	14.1	98.5	98.5	7.1	7.1	3.6	12	85	85	<0.2	1.0														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-	
						4.6	0.3	165	28.3	28.3	8.0	8.0	14.1	14.1	99.2	99.3	7.2	7.2	5.5	6	88	88	<0.2	1.0														
						4.6	0.3	175	28.2	28.2	8.0	8.0	14.1	14.1	99.3	99.3	7.2	7.2	5.3	5	88	88	<0.2	1.0														
					IM1	Rainy	Moderate	13:40	5.6	Surface	1.0	0.3	111	27.3	27.4	8.0	8.0	19.4	19.4	90.5	90.5	6.4	6.3	11				84	84		<0.2	1.0	87	818159	806180	<0.2	1.0	1.0
											1.0	0.3	112	27.4	27.4	8.0	8.0	19.4	19.4	90.5	90.5	6.4	6.2	12				84	84		<0.2	0.9						
											4.5	0.2	134	27.3	27.3	8.0	8.0	18.8	18.8	90.9	90.9	6.5	6.5	12				87	87		<0.2	1.0						
Middle	4.5	0.2	142	27.3						27.3	8.0	8.0	18.8	18.8	90.9	90.9	6.5	6.5	6.9	11	86	86	<0.2	1.0														
	7.9	0.1	160	27.2						27.2	8.0	8.0	19.6	19.6	91.1	91.2	6.5	6.5	8.5	10	89	89	<0.2	0.9														
	7.9	0.1	167	27.2						27.2	8.0	8.0	19.6	19.6	91.2	91.2	6.5	6.5	8.5	11	89	89	<0.2	0.9														
IM2	Rainy	Moderate	13:35	8.9						Surface	1.0	0.1	258	27.7	27.7	8.0	8.0	18.5	18.5	91.7	91.8	6.5	4.7	11	85	85	<0.2	1.0	86	818793	805578	<0.2				1.0	1.0	
											1.0	0.1	279	27.7	27.7	8.0	8.0	18.5	18.5	91.8	91.8	6.5	4.6	12	84	84	<0.2	1.0										
											4.6	0.2	188	27.8	27.8	8.0	8.0	18.0	18.0	92.6	92.8	6.6	5.4	10	86	86	<0.2	0.9										
					Middle	4.6	0.2	204	27.8	27.8	8.0	8.0	18.0	18.0	92.9	92.9	6.6	5.5	11	86	86	<0.2	1.0															
						7.9	0.1	160	27.2	27.2	8.0	8.0	20.6	20.6	92.9	92.9	6.6	7.6	11	89	89	<0.2	1.0															
						8.1	0.4	203	27.2	27.2	8.0	8.0	20.6	20.6	92.9	92.9	6.6	7.6	11	89	89	<0.2	1.0															
					Bottom	8.1	0.4	205	27.2	27.2	8.0	8.0	20.6	20.6	92.9	92.9	6.6	7.6	12	88	88	<0.2	0.9															
						1.0	0.9	172	27.4	27.4	8.0	8.0	19.3	19.3	89.5	89.6	6.4	5.4	9	88	88	<0.2	0.9															
						1.0	0.9	176	27.4	27.4	8.0	8.0	19.3	19.3	89.7	89.7	6.4	5.3	8	88	88	<0.2	0.9															
IM3	Rainy	Moderate	13:29	9.1	Surface	4.6	0.2	188	27.8	27.8	8.0	8.0	18.0	18.0	92.6	92.8	6.6	5.4	10	86	86	<0.2	0.9	86	818793	805578	<0.2	1.0	1.0									
						4.6	0.2	204	27.8	27.8	8.0	8.0	18.0	18.0	92.9	92.9	6.6	5.5	11	86	86	<0.2	1.0															
						8.1	0.4	203	27.2	27.2	8.0	8.0	20.6	20.6	92.9	92.9	6.6	7.6	11	89	89	<0.2	1.0															
					Middle	8.1	0.4	205	27.2	27.2	8.0	8.0	20.6	20.6	92.9	92.9	6.6	7.6	12	88	88	<0.2	0.9															
						1.0	0.9	172	27.4	27.4	8.0	8.0	19.3	19.3	89.5	89.6	6.4	5.4	9	88	88	<0.2	0.9															
						1.0	0.9	176	27.4	27.4	8.0	8.0	19.3	19.3	89.7	89.7	6.4	5.3	8	88	88	<0.2	0.9															
					Bottom	4.7	0.8	180	27.6	27.6	8.0	8.0	18.2	18.3	90.6	90.5	6.5	5.6	9	86	86	<0.2	1.0															
						4.7	0.9	197	27.5	27.5	8.0	8.0	18.3	18.3	90.4	90.5	6.5	5.9	10	85	85	<0.2	0.9															
						8.3	0.6	169	27.3	27.3	8.0	8.0	22.0	22.0	89.9	90.0	6.3	7.1	11	85	85	<0.2	1.0															
IM4	Rainy	Moderate	13:21	9.3	Surface	8.3	0.6	183	27.3	27.3	8.0	8.0	22.0	22.0	89.9	90.0	6.3	7.2	11	85	85	<0.2	1.0	86	819748	804607	<0.2	0.9	0.9									
						8.3	0.6	183	27.3	27.3	8.0	8.0	22.0	22.0	90.0	90.0	6.3	7.2	12	85	85	<0.2	1.0															
						1.0	0.6	208	27.8	27.8	7.9	7.9	16.5	16.5	90.4	90.5	6.5	5.2	5	88	88	<0.2	0.9															
					Middle	1.0	0.6	214	27.8	27.8	7.9	7.9	16.5	16.5	90.5	90.5	6.5	5.4	6	88	88	<0.2	1.0															
						4.4	0.6	243	27.8	27.8	8.0	8.0	16.7	16.7	90.7	90.7	6.5	5.6	5	86	86	<0.2	0.9															
						4.4	0.6	255	27.7	27.7	8.0	8.0	16.7	16.7	90.7	90.7	6.5	5.9	4	85	85	<0.2	0.9															
					Bottom	7.7	0.6	221	27.2	27.2	8.0	8.0	20.7	20.7	90.0	90.0	6.4	7.2	5	89	89	<0.2	0.8															
						7.7	0.6	228	27.2	27.2	8.0	8.0	20.7	20.7	90.0	90.0	6.4	7.2	4	89	89	<0.2	0.9															
						1.0	0.4	200	27.5	27.5	7.9	7.9	17.4	17.4	89.3	89.3	6.4	4.9	6	84	84	<0.2	0.9															
IM5	Rainy	Moderate	13:12	8.7	Surface	1.0	0.4	212	27.5	27.5	7.9	7.9	17.4	17.4	89.2	89.3	6.4	5.0	7	85	85	<0.2	0.8	87	821038	805818	<0.2	0.9	0.9									
						4.3	0.4	237	27.4	27.4	8.0	8.0	17.4	17.4	88.4	88.4	6.3																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
IM9	Cloudy	Rough	13:44	7.9	Surface	1.0	0.4	189	27.4	27.4	7.7	7.7	18.3	18.3	82.1	82.1	5.9	5.9	3.3	8	8	82	82	822101	808806	<0.2	0.9	<0.2	0.9			
						1.0	0.4	201	27.4	7.7	7.7	18.3	18.3	82.1	82.1	5.9	5.9	3.2	7	7	82	82	822101	808806	<0.2	0.9	<0.2	0.9				
					Middle	4.0	0.2	149	27.1	27.1	7.7	7.7	20.6	20.6	82.8	82.8	5.9	5.9	6.4	7	7	86	86	822101	808806	<0.2	0.8	<0.2	0.9			
						4.0	0.2	153	27.1	27.1	7.7	7.7	20.6	20.6	82.7	82.7	5.9	5.9	6.5	7	7	87	87	822101	808806	<0.2	0.9	<0.2	0.9			
					Bottom	6.9	0.4	122	27.0	27.0	7.8	7.8	21.7	21.7	83.1	83.1	5.9	5.9	10.1	7	7	91	91	822101	808806	<0.2	1.0	<0.2	0.9			
						6.9	0.4	124	27.0	27.0	7.8	7.8	21.7	21.7	83.0	83.0	5.9	5.9	10.1	7	7	91	91	822101	808806	<0.2	0.9	<0.2	0.9			
IM10	Cloudy	Rough	13:51	7.6	Surface	1.0	0.4	124	27.5	27.5	7.7	7.7	18.0	18.0	81.2	81.2	5.8	5.8	3.2	7	7	82	82	822405	809803	<0.2	0.9	<0.2	0.9			
						1.0	0.4	136	27.5	27.5	7.7	7.7	18.0	18.0	81.1	81.1	5.8	5.8	3.2	8	8	83	83	822405	809803	<0.2	0.9	<0.2	0.9			
					Middle	3.8	0.4	121	27.3	27.3	7.7	7.7	18.8	18.8	82.2	82.2	5.9	5.9	6.1	8	8	87	87	822405	809803	<0.2	1.0	<0.2	0.9			
						3.8	0.4	125	27.3	27.3	7.7	7.7	18.7	18.7	82.2	82.2	5.9	5.9	6.2	7	7	87	87	822405	809803	<0.2	0.8	<0.2	0.9			
					Bottom	6.6	0.2	105	27.0	27.0	7.8	7.8	21.3	21.3	83.3	83.3	5.9	5.9	9.1	9	9	91	91	822405	809803	<0.2	0.9	<0.2	0.8			
						6.6	0.3	111	27.0	27.0	7.8	7.8	21.3	21.3	83.4	83.4	5.9	5.9	9.1	9	9	91	91	822405	809803	<0.2	0.9	<0.2	0.8			
IM11	Cloudy	Rough	14:01	7.8	Surface	1.0	0.6	70	27.4	27.4	7.8	7.8	19.1	19.1	78.9	78.8	5.6	5.6	4.0	9	9	83	83	822038	811451	<0.2	0.8	<0.2	0.9			
						1.0	0.6	72	27.4	27.4	7.8	7.8	19.1	19.1	78.6	78.6	5.6	5.6	4.0	10	10	83	83	822038	811451	<0.2	0.9	<0.2	0.9			
					Middle	3.9	0.6	67	27.0	27.0	7.8	7.8	20.7	20.7	76.1	76.1	5.4	5.4	5.2	9	9	86	86	822038	811451	<0.2	0.9	<0.2	0.9			
						3.9	0.6	71	27.0	27.0	7.8	7.8	20.7	20.7	76.1	76.1	5.4	5.4	5.3	9	9	86	86	822038	811451	<0.2	0.9	<0.2	0.9			
					Bottom	6.8	0.4	60	26.6	26.6	7.9	7.9	23.9	23.9	72.8	72.8	5.1	5.1	7.7	8	8	90	90	822038	811451	<0.2	0.8	<0.2	0.8			
						6.8	0.4	62	26.6	26.6	7.9	7.9	23.9	23.9	72.8	72.8	5.1	5.1	7.7	9	9	91	91	822038	811451	<0.2	0.8	<0.2	0.8			
IM12	Cloudy	Rough	14:07	7.3	Surface	1.0	0.5	108	27.4	27.4	7.8	7.8	19.0	19.0	79.4	79.5	5.7	5.7	3.7	8	8	79	79	821479	812028	<0.2	0.8	<0.2	0.8			
						1.0	0.5	108	27.4	27.4	7.8	7.8	19.1	19.0	79.5	79.5	5.7	5.6	3.7	8	8	83	83	821479	812028	<0.2	0.8	<0.2	0.8			
					Middle	3.7	0.7	110	27.0	27.0	7.8	7.8	21.0	21.0	76.8	76.8	5.4	5.4	4.1	8	8	87	87	821479	812028	<0.2	0.9	<0.2	1.0			
						3.7	0.7	118	27.0	27.0	7.8	7.8	21.0	21.0	76.8	76.8	5.4	5.4	4.1	9	9	87	87	821479	812028	<0.2	0.9	<0.2	1.0			
					Bottom	6.3	0.6	127	26.7	26.7	7.9	7.9	22.7	22.7	74.8	74.8	5.3	5.3	5.5	9	9	90	90	821479	812028	<0.2	0.9	<0.2	0.9			
						6.3	0.6	127	26.7	26.7	7.9	7.9	22.7	22.7	74.8	74.8	5.3	5.3	5.6	10	10	91	91	821479	812028	<0.2	0.9	<0.2	0.9			
SR1A	Cloudy	Rough	14:32	3.9	Surface	1.0	-	-	27.1	27.1	7.9	7.9	20.3	20.3	77.2	77.3	5.5	5.5	4.4	7	7	-	-	819972	812662	-	-	-	-			
						1.0	-	-	27.1	27.1	7.9	7.9	20.3	20.3	77.3	77.3	5.5	5.5	4.5	8	8	-	-	819972	812662	-	-	-	-			
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	-	-	-	-	-	-	-	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.2	-	-	-	-	-	-	-	-
					Bottom	2.9	-	-	26.9	26.9	7.9	7.9	22.1	22.1	77.3	77.3	5.5	5.5	5.9	6	6	-	-	5.2	-	-	-	-	-	-	-	-
						2.9	-	-	26.9	26.9	7.9	7.9	22.1	22.1	77.2	77.3	5.5	5.5	5.9	7	7	-	-	5.2	-	-	-	-	-	-	-	-
SR2	Cloudy	Rough	14:48	4.7	Surface	1.0	0.6	95	27.2	27.2	7.8	7.8	20.1	20.1	79.9	79.9	5.7	5.7	3.5	7	7	79	79	821481	814158	<0.2	0.9	<0.2	0.9			
						1.0	0.6	101	27.2	27.2	7.8	7.8	20.1	20.1	79.8	79.8	5.7	5.7	3.6	8	8	83	83	821481	814158	<0.2	0.9	<0.2	0.9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	-	-	-	-	-	-	-	-
					Bottom	3.7	0.2	146	26.9	26.9	7.9	7.9	22.0	22.0	76.5	76.5	5.4	5.4	8.2	7	7	86	86	5.9	8	84	821481	814158	<0.2	0.9	<0.2	0.9
						3.7	0.2	159	26.9	26.9	7.9	7.9	22.0	22.0	76.4	76.5	5.4	5.4	8.3	8	8	87	87	5.9	8	84	821481	814158	<0.2	0.9	<0.2	0.9
SR3	Cloudy	Rough	13:33	7.9	Surface	1.0	0.1	270	27.4	27.4	7.6	7.6	17.4	17.4	78.7	78.8	5.7	5.7	3.0	11	11	-	-	822140	807592	-	-	-	-			
						1.0	0.1	285	27.4	27.4	7.6	7.6	17.4	17.4	78.8	78.8	5.7	5.7	3.1	12	12	-	-	822140	807592	-	-	-	-			
					Middle	4.0	0.2	43	27.2	27.2	7.7	7.7	19.0	19.0	78.6	78.5	5.6	5.6	8.0	12	12	-	-	5.9	12	822140	807592	-	-	-	-	
						4.0	0.2	43	27.2	27.2	7.7	7.7	19.0	19.0	78.4	78.5	5.6	5.6	8.0	11	11	-	-	5.9	12	822140	807592	-	-	-	-	
					Bottom	6.9	0.5	52	27.1	27.1	7.9	7.9	19.4	19.4	84.2	84.4	6.0	6.0	9.4	12	12	-	-	5.9	12	822140	807592	-	-	-	-	
						6.9	0.5	52	27.1	27.1	7.9	7.9	19.4	19.4	84.5	84.4	6.0	6.0	9.4	12	12	-	-	5.9	12	822140	807592	-	-	-	-	
SR4A	Rainy	Calm	14:08	9.9	Surface	1.0	0.2	242	26.7	26.7	7.9	7.9	24.5	24.5	74.6	74.6	5.2	5.2	3.3	9	9	-	-	817176	807787	-	-	-	-			
						1.0	0.2	262	26.7	26.7	7.9	7.9	24.5	24.5	74.5	74.6	5.2	5.2	3.3	8	8	-	-	817176	807787	-	-	-	-			
					Middle	5.0	0.1	79	26.5	26.5	7.9	7.9	25.5	25.5	69.3	69.4	4.8	4.8	8.3	8	8	-	-	5.2	9	817176	807787	-	-	-	-	
						5.0	0.1	83	26.5	26.5	7.9	7.9	25.5	25.5	69.4	69.4	4.8	4.8	7.8	9	9	-	-	5.2	9	817176	807787	-	-	-	-	
					Bottom	8.9	0.0	84	26.5	26.5	7.9	7.9	26.0	26.0	68.4	68.4	4.8	4.8	4.0	10	10	-	-	5.2	9	817176	807787	-	-	-	-	
						8.9	0.0	85	26.5	26.5	7.9	7.9	26.0	26.0	68.4	68.4	4.8	4.8	4.4	8	8	-	-	5.2	9	817176	807787	-	-	-	-	
SR5A	Rainy	Calm	14:22	3.7	Surface	1.0	0.1	270	26.																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Rainy	Moderate	08:03	8.1	Surface	1.0	0.2	50	26.6	26.6	7.9	7.9	25.3	25.3	79.8	79.8	5.6	5.6	3.4	3.4	8	8	86	86	815625	804250	<0.2	0.9	<0.2	0.9					
						1.0	0.2	55	26.6	26.6	7.9	7.9	25.3	25.3	79.8	79.8	5.6	5.6	3.4	3.4	9	9	85	85			<0.2	1.0	<0.2	1.0					
					Middle	4.1	0.2	29	26.6	26.6	8.0	8.0	28.5	28.5	74.8	74.8	5.1	5.1	4.7	4.7	10	10	88	88			<0.2	0.8	<0.2	0.8					
						4.1	0.2	32	26.6	26.6	8.0	8.0	28.5	28.5	74.8	74.8	5.1	5.1	4.7	4.7	11	11	87	87			<0.2	0.8	<0.2	0.8					
					Bottom	7.1	0.4	21	26.6	26.6	8.0	8.0	28.9	28.9	74.0	74.0	5.1	5.1	5.3	5.3	10	10	91	91			88	88	<0.2	1.0	<0.2	1.0			
						7.1	0.4	23	26.6	26.6	8.0	8.0	28.9	28.9	74.0	74.0	5.1	5.1	5.3	5.3	8	8	91	91			88	88	<0.2	1.0	<0.2	1.0			
C2	Rainy	Rough	09:07	7.8	Surface	1.0	0.3	64	27.2	27.2	7.7	7.7	18.9	18.9	79.5	79.5	5.7	5.7	6.2	6.2	12	12	79	79	825680	806928	<0.2	0.9	<0.2	0.9					
						1.0	0.4	65	27.2	27.2	7.7	7.7	18.9	18.9	79.7	79.7	5.7	5.7	6.3	6.3	11	11	83	83			<0.2	1.6	<0.2	1.6					
					Middle	3.9	0.5	64	27.2	27.2	7.7	7.7	19.3	19.3	81.0	81.0	5.8	5.8	8.2	8.2	10	10	87	87			<0.2	1.6	<0.2	1.6					
						3.9	0.6	68	27.2	27.2	7.7	7.7	19.3	19.3	81.2	81.2	5.8	5.8	8.3	8.3	10	10	87	87			<0.2	1.6	<0.2	1.6					
					Bottom	6.8	0.4	90	27.1	27.1	7.8	7.8	19.7	19.7	82.5	82.5	5.9	5.9	9.0	9.0	12	12	90	90			88	88	<0.2	1.7	<0.2	1.7			
						6.8	0.4	94	27.1	27.1	7.8	7.8	19.7	19.7	82.6	82.6	5.9	5.9	9.0	9.0	11	11	91	91			88	88	<0.2	1.7	<0.2	1.7			
C3	Rainy	Rough	07:10	12.4	Surface	1.0	0.1	233	26.5	26.5	7.7	7.7	24.9	24.9	71.5	71.5	5.0	5.0	7.3	7.3	7	7	82	82	822087	817814	<0.2	1.7	<0.2	1.7					
						1.0	0.1	244	26.5	26.5	7.7	7.7	24.9	24.9	71.5	71.5	5.0	5.0	7.2	7.2	8	8	82	82			<0.2	1.6	<0.2	1.6					
					Middle	6.2	0.3	217	26.4	26.4	7.7	7.7	25.2	25.2	71.6	71.6	5.0	5.0	9.3	9.3	7	7	87	87			<0.2	1.6	<0.2	1.6					
						6.2	0.4	221	26.4	26.4	7.7	7.7	25.2	25.2	71.6	71.6	5.0	5.0	9.3	9.3	8	8	88	88			<0.2	1.6	<0.2	1.6					
					Bottom	11.4	0.3	255	26.4	26.4	7.7	7.7	25.3	25.3	76.1	76.1	5.3	5.3	10.2	10.2	12	12	90	90			<0.2	1.6	<0.2	1.6					
						11.4	0.3	258	26.4	26.4	7.7	7.7	25.2	25.2	79.0	79.0	5.5	5.5	10.2	10.2	12	12	90	90			<0.2	1.6	<0.2	1.6					
IM1	Rainy	Moderate	08:13	5.1	Surface	1.0	0.1	22	28.6	28.6	8.0	8.0	14.6	14.6	96.0	96.0	6.9	6.9	3.6	3.6	6	6	82	82	817965	807108	<0.2	1.8	<0.2	1.8					
						1.0	0.1	23	28.6	28.6	8.0	8.0	14.6	14.6	96.0	96.0	6.9	6.9	3.6	3.6	7	7	83	83			<0.2	1.8	<0.2	1.8					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
					Bottom	4.1	0.2	20	28.4	28.5	8.0	8.0	16.3	16.3	94.9	94.9	6.7	6.7	4.6	4.6	6	6	87	87			<0.2	1.7	<0.2	1.7					
						4.1	0.2	20	28.5	28.5	8.0	8.0	16.3	16.3	95.3	95.3	6.8	6.8	4.4	4.4	6	6	86	86			<0.2	1.9	<0.2	1.9					
IM2	Rainy	Moderate	08:19	8.6	Surface	1.0	0.3	22	27.4	27.4	7.9	7.9	16.3	16.3	92.1	92.1	6.7	6.7	3.0	3.0	6	6	83	83	818174	806163	<0.2	1.8	<0.2	1.8					
						1.0	0.3	23	27.4	27.4	7.9	7.9	16.3	16.3	92.0	92.0	6.6	6.6	3.1	3.1	5	5	83	83			<0.2	1.8	<0.2	1.8					
					Middle	4.3	0.2	19	27.5	27.5	8.0	8.0	17.5	17.5	92.0	92.0	6.6	6.6	4.7	4.7	4	4	86	86			<0.2	1.7	<0.2	1.7					
						4.3	0.3	19	27.5	27.5	8.0	8.0	17.5	17.5	92.0	92.0	6.6	6.6	4.7	4.7	5	5	86	86			<0.2	1.8	<0.2	1.8					
					Bottom	7.6	0.1	17	27.5	27.5	8.0	8.0	19.3	19.3	92.2	92.2	6.6	6.6	6.4	6.4	6	6	88	88			<0.2	1.7	<0.2	1.7					
						7.6	0.1	19	27.5	27.5	8.0	8.0	19.3	19.3	92.3	92.3	6.6	6.6	6.4	6.4	7	7	88	88			<0.2	1.7	<0.2	1.7					
IM3	Rainy	Moderate	08:24	8.8	Surface	1.0	0.2	14	27.6	27.6	7.9	7.9	15.7	15.7	93.5	93.5	6.8	6.8	4.0	4.0	6	6	83	83	818801	805584	<0.2	1.8	<0.2	1.8					
						1.0	0.2	15	27.6	27.6	7.9	7.9	15.7	15.7	93.4	93.4	6.8	6.8	4.0	4.0	6	6	82	82			<0.2	1.6	<0.2	1.6					
					Middle	4.4	0.2	45	27.6	27.6	7.9	7.9	16.4	16.4	93.1	93.1	6.7	6.7	4.1	4.1	5	5	84	84			<0.2	1.7	<0.2	1.7					
						4.4	0.2	44	27.6	27.6	7.9	7.9	16.4	16.4	92.9	92.9	6.7	6.7	4.4	4.4	6	6	84	84			<0.2	1.6	<0.2	1.6					
					Bottom	7.8	0.2	48	27.5	27.5	7.9	7.9	18.2	18.2	92.3	92.3	6.6	6.6	6.1	6.1	7	7	87	87			<0.2	1.5	<0.2	1.5					
						7.8	0.2	47	27.5	27.5	7.9	7.9	18.2	18.2	92.3	92.3	6.6	6.6	6.1	6.1	6	6	87	87			<0.2	1.6	<0.2	1.6					
IM4	Rainy	Moderate	08:31	9.1	Surface	1.0	0.6	16	28.0	28.0	7.9	7.9	14.8	14.8	94.9	94.9	6.8	6.8	3.2	3.2	6	6	82	82	819743	804613	<0.2	1.5	<0.2	1.5					
						1.0	0.7	17	28.0	28.0	7.9	7.9	14.8	14.8	94.9	94.9	6.8	6.8	3.2	3.2	6	6	82	82			<0.2	1.5	<0.2	1.5					
					Middle	4.6	0.6	46	27.8	27.8	7.9	7.9	15.3	15.4	93.6	93.4	6.8	6.8	3.7	3.7	5	5	84	84			<0.2	1.6	<0.2	1.6					
						4.6	0.6	47	27.7	27.7	7.9	7.9	15.4	15.4	93.2	93.2	6.7	6.7	3.9	3.9	6	6	84	84			<0.2	1.5	<0.2	1.5					
					Bottom	8.1	0.3	46	27.5	27.6	7.9	7.9	18.5	18.5	92.1	92.1	6.6	6.6	5.3	5.3	7	7	87	87			<0.2	1.5	<0.2	1.5					
						8.1	0.4	46	27.7	27.6	7.9	7.9	18.4	18.5	92.1	92.1	6.5	6.5	5.0	5.0	6	6	87	87			<0.2	1.7	<0.2	1.7					
IM5	Rainy	Moderate	08:38	8.7	Surface	1.0	0.5	29	27.8	27.8	7.9	7.9	15.7	15.7	91.7	91.8	6.6	6.6	4.0	4.0	5	5	86	86	820751	804858	<0.2	1.5	<0.2	1.5					
						1.0	0.5	26	27.8	27.8	7.9	7.9	15.7	15.7	91.8	91.8	6.6	6.6	3.9	3.9	5	5	86	86			<0.2	1.5	<0.2	1.5					
					Middle	4.4	0.5	49	27.8	27.8	8.0	8.0	15.5	15.5	91.8	91.7	6.5	6.5	4.3	4.3	5	5	83	83			<0.2	1.6	<0.2	1.6					
						4.4	0.5	50	27.7	27.8	8.0	8.0	15.5	15.5	91.5	91.5	6.5	6.5	4.7	4.7	6	6	82	82			<0.2	1.4	<0.2	1.4					
					Bottom	7.7	0.4	52	27.4	27.4	8.0	8.0	19.5	19.5	91.4	91.5	6.5	6.5	6.0	6.0	6	6	87	87			<0.2	1.5	<0.2	1.5					
						7.7	0.4	54	27.4	27.4	8.0	8.0	19.5	19.5	91.6	91.5	6.5	6.5	5.5	5.5	7	7	87	87			<0.2	1.5	<0.2	1.5					
IM6	Rainy	Moderate	08:43	8.4	Surface	1.0	0.3	19	27.9	27.9	7.9	7.9	15.6	15.6	90.2	90.3	6.5	6.5	4.0	4.0	7	7	82												

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

Water Quality Monitoring Results on 06 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	16:36	8.2	Surface	1.0	0.1	213	28.5	28.5	7.7	7.7	16.7	16.7	80.4	80.4	5.7	3.6	4	84	88	815610	804259	<0.2	1.7	1.7	1.7					
						1.0	0.1	211	28.5	28.5	7.7	7.7	16.7	16.7	80.3	80.3	5.7	3.7	5	84	88	<0.2	1.7	1.7								
					Middle	4.1	0.3	164	27.8	27.8	7.6	7.6	23.1	23.1	78.1	78.1	5.4	5.3	4	87	88	<0.2	1.6	1.6								
						4.1	0.3	164	27.8	27.8	7.6	7.6	23.1	23.1	78.1	78.1	5.4	5.2	5	88	88	<0.2	1.7	1.7								
					Bottom	7.2	0.3	160	27.5	27.5	7.5	7.5	27.3	27.3	79.8	79.8	5.4	10.7	6	91	88	<0.2	1.6	1.6								
						7.2	0.3	155	27.5	27.5	7.5	7.5	27.3	27.3	79.9	79.9	5.4	10.6	6	92	88	<0.2	1.7	1.7								
C2	Cloudy	Moderate	15:22	12.3	Surface	1.0	0.4	143	28.0	28.0	7.7	7.7	17.3	17.3	65.8	65.8	4.7	5.3	6	86	88	825680	806921	<0.2	2.1	2.1						
						1.0	0.4	143	28.0	28.0	7.7	7.7	17.3	17.3	65.8	65.8	4.7	5.3	6	87	88	<0.2	2.1	2.1								
					Middle	6.2	0.3	116	27.9	27.9	7.8	7.8	20.1	20.1	68.1	68.1	4.8	11.7	6	88	88	<0.2	2.2	2.2								
						6.2	0.3	115	27.9	27.9	7.8	7.8	20.1	20.1	68.1	68.1	4.8	11.8	6	88	88	<0.2	2.2	2.2								
					Bottom	11.3	0.4	125	27.6	27.7	7.7	7.7	22.9	22.9	66.7	66.8	4.6	14.2	3	89	88	<0.2	2.1	2.1								
						11.3	0.4	149	27.7	27.7	7.7	7.7	22.9	22.9	66.9	66.9	4.6	13.9	4	90	88	<0.2	2.2	2.2								
C3	Cloudy	Moderate	17:21	11.8	Surface	1.0	0.3	30	27.5	27.5	7.9	7.9	25.6	25.6	72.9	72.9	5.0	3.2	7	86	88	822112	817810	<0.2	2.4	2.4						
						1.0	0.3	40	27.5	27.5	7.9	7.9	25.6	25.6	72.9	72.9	5.0	3.2	8	86	88	<0.2	2.4	2.4								
					Middle	5.9	0.3	44	27.3	27.3	7.9	7.9	27.0	27.0	69.0	69.1	4.7	5.2	7	88	88	<0.2	2.4	2.4								
						5.9	0.3	42	27.3	27.3	7.9	7.9	27.0	27.0	69.2	69.2	4.7	5.1	8	88	88	<0.2	2.3	2.3								
					Bottom	10.8	0.0	61	27.3	27.3	7.9	7.9	27.1	27.1	70.8	71.0	4.8	5.5	8	89	88	<0.2	2.6	2.6								
						10.8	0.0	64	27.3	27.3	7.9	7.9	27.1	27.1	71.1	71.1	4.9	5.4	8	89	88	<0.2	2.6	2.6								
IM1	Cloudy	Moderate	16:07	5.3	Surface	1.0	0.2	219	28.5	28.5	7.6	7.6	16.8	16.8	84.2	84.3	6.0	3.7	5	84	88	817936	807111	<0.2	1.9	1.9						
						1.0	0.2	230	28.5	28.5	7.6	7.6	16.8	16.8	84.3	84.3	6.0	3.6	4	84	88	<0.2	1.9	1.9								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.3	0.0	226	28.2	28.2	7.5	7.5	19.9	19.9	91.7	91.9	6.4	5.4	4	92	88	<0.2	1.8	1.8								
						4.3	0.0	234	28.2	28.2	7.5	7.5	19.9	19.9	92.0	92.0	6.4	5.4	3	91	88	<0.2	1.8	1.8								
IM2	Cloudy	Moderate	16:01	7.5	Surface	1.0	0.3	212	28.3	28.3	7.6	7.6	18.2	17.6	79.0	79.2	5.6	4.3	4	88	88	818140	806185	<0.2	1.7	1.7						
						1.0	0.3	200	28.4	28.4	7.6	7.6	17.0	17.0	79.3	79.3	5.6	4.3	4	88	88	<0.2	1.7	1.7								
					Middle	3.8	0.3	225	28.1	28.1	7.6	7.6	20.5	20.5	79.1	79.2	5.5	6.1	3	89	88	<0.2	1.7	1.7								
						3.8	0.3	218	28.1	28.1	7.6	7.6	20.6	20.6	79.2	79.2	5.5	6.1	4	89	88	<0.2	1.7	1.7								
					Bottom	6.5	0.3	222	27.8	27.8	7.5	7.5	24.1	24.1	86.2	86.4	5.9	12.1	4	91	88	<0.2	1.7	1.7								
						6.5	0.3	224	27.8	27.8	7.5	7.5	24.1	24.1	86.6	86.6	6.0	12.0	5	91	88	<0.2	1.7	1.7								
IM3	Cloudy	Moderate	15:55	7.7	Surface	1.0	0.4	218	28.3	28.3	7.6	7.6	16.7	16.7	79.3	79.3	5.6	4.9	4	83	88	818767	805585	<0.2	1.6	1.6						
						1.0	0.4	229	28.3	28.3	7.6	7.6	16.7	16.7	79.3	79.3	5.6	4.9	3	83	88	<0.2	1.7	1.7								
					Middle	3.9	0.4	244	27.8	27.8	7.6	7.6	23.4	23.3	77.4	77.5	5.3	7.0	3	88	88	<0.2	1.8	1.8								
						3.9	0.4	257	27.8	27.8	7.6	7.6	23.3	23.3	77.5	77.5	5.3	7.1	4	88	88	<0.2	1.7	1.7								
					Bottom	6.7	0.3	237	27.7	27.7	7.5	7.5	24.4	24.4	78.7	78.8	5.4	8.9	4	91	88	<0.2	1.6	1.6								
						6.7	0.3	210	27.7	27.7	7.5	7.5	24.4	24.4	78.8	78.8	5.4	8.9	4	91	88	<0.2	1.6	1.6								
IM4	Cloudy	Moderate	15:47	8.1	Surface	1.0	0.7	234	28.3	28.3	7.6	7.6	16.2	16.2	79.9	79.9	5.7	3.7	4	84	88	819718	804604	<0.2	1.6	1.6						
						1.0	0.8	236	28.3	28.3	7.6	7.6	16.2	16.2	79.9	79.9	5.7	3.7	4	84	88	<0.2	1.8	1.8								
					Middle	4.1	0.6	225	28.0	28.0	7.6	7.6	21.6	21.6	78.4	78.5	5.5	4.3	6	88	88	<0.2	1.7	1.7								
						4.1	0.6	211	28.0	28.0	7.6	7.6	21.6	21.6	78.5	78.5	5.5	4.2	5	88	88	<0.2	1.8	1.8								
					Bottom	7.1	0.5	200	27.7	27.7	7.6	7.6	24.5	24.5	82.6	82.7	5.7	6.3	6	91	88	<0.2	1.8	1.8								
						7.1	0.5	201	27.7	27.7	7.6	7.6	24.5	24.5	82.8	82.7	5.7	6.2	6	92	88	<0.2	1.9	1.9								
IM5	Cloudy	Moderate	15:36	7.9	Surface	1.0	1.0	222	28.3	28.3	7.6	7.6	19.8	19.8	81.3	81.3	5.7	6.8	5	83	88	820753	804865	<0.2	2.0	2.0						
						1.0	1.0	223	28.3	28.3	7.6	7.6	19.8	19.8	81.2	81.3	5.7	6.9	5	83	88	<0.2	1.9	1.9								
					Middle	4.0	1.0	217	27.8	27.8	7.6	7.6	23.8	23.8	77.1	77.2	5.3	8.1	6	87	88	<0.2	1.8	1.8								
						4.0	1.0	216	27.8	27.8	7.6	7.6	23.8	23.8	77.2	77.2	5.3	8.0	7	88	88	<0.2	1.9	1.9								
					Bottom	6.9	0.7	198	27.7	27.7	7.6	7.6	24.2	24.2	79.1	79.2	5.4	10.2	7	91	88	<0.2	1.8	1.8								
						6.9	0.8	204	27.7	27.7	7.6	7.6	24.2	24.2	79.2	79.2	5.4	10.3	6	91	88	<0.2	1.8	1.8								
IM6	Cloudy	Moderate	15:30	7.8	Surface	1.0	0.1	198	28.1	28.1	7.6	7.6	21.6	21.6	78.2	78.2	5.4	8.3	13	84	88	821083	805844	<0.2	1.6	1.6						
						1.0	0.1	182	28.1	28.1	7.6	7.6	21.6	21.6	78.2	78.2	5.4	8.6	12	84	88	<0.2	1.8	1.8								
					Middle	3.9	0.1	208	28.0	28.0	7.6	7.6	21.8	21.8	78.6	78.6	5.4	10.2	9	88	88	<0.2	1.8	1.8								
						3.9	0.1	224	28.0	28.0	7.6	7.6	21.8	21.8	78.6	78.6	5.5	10.2	10	88	88	<0.2	1.9	1.9								
					Bottom	6.8	0.1	184	28.0	27.9	7.6	7.6	22.3	22.3	80.5	80.6	5.6	12.9	7	91	88	<0.2	1.9	1.9								
						6.8	0.1	187	27.9	27.9	7.6	7.6	22.3	22.3	80.6	80.6	5.6	12.9	8	92	88	<0.2	2.0	2.0								
IM7	Cloudy	Moderate	15:23	8.2	Surface	1.0	0.2	183	28.4	28.4	7.5	7.5	16.8	16.7	75.9	76.0	5.4	5.2	5	83	88	821366	806849	<0.2	1.6	1.6						
						1.0	0.2	185	28.4	28.4	7.5	7.5	16.7	16.7	76.0	76.0	5.4	5.2	6	84	88	<0.2	1.7	1.7								
					Middle	4.1	0.6	161	28.2	28.2	7.6	7.6	20.1	20.1	77.9	77.9	5.4	7.9	5	88	88	<0.2	1.7	1.7								
						4.1	0.6	162	28.2	28.2	7.6	7.6	20.1	20.1	77.9	77.9	5.4	7.9	6	88												

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

Water Quality Monitoring Results on **06 August 19** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Rainy	Moderate	10:16	7.1	Surface	1.0	0.4	19	28.2	28.2	7.6	7.6	18.2	18.1	77.6	77.6	5.5	5.4	3.2	6	83	87	815608	804268	<0.2	1.8	1.7	1.8				
						1.0	0.5	20	28.2	28.2	7.6	7.6	18.1	18.1	77.6	77.6	5.5	5.4	3.2	6	83	87	815608	804268	<0.2	1.6	1.7	1.8				
						3.6	0.3	32	27.6	27.6	7.6	7.6	25.5	25.5	76.7	76.7	5.2	5.2	7.7	5	88	89	815608	804268	<0.2	1.6	1.7	1.8				
					3.6	0.3	34	27.6	27.6	7.6	7.6	25.5	25.5	76.7	76.7	5.2	5.2	7.7	5	88	89	815608	804268	<0.2	1.7	1.7	1.8					
					6.1	0.3	29	27.6	27.6	7.6	7.6	25.5	25.5	78.3	78.3	5.4	5.4	9.4	6	91	91	815608	804268	<0.2	1.7	1.7	1.8					
					6.1	0.3	29	27.6	27.6	7.6	7.6	25.5	25.5	78.4	78.4	5.4	5.4	9.4	8	91	91	815608	804268	<0.2	1.8	1.8	1.8					
C2	Cloudy	Moderate	11:36	11.9	Surface	1.0	0.4	4	28.1	28.1	7.7	7.7	18.7	18.7	68.4	68.4	4.8	4.8	3.4	5	87	89	825692	806938	<0.2	1.9	2.1	1.9				
						1.0	0.4	4	28.1	28.1	7.7	7.7	18.7	18.7	68.4	68.4	4.8	4.8	3.4	4	88	89	825692	806938	<0.2	1.8	2.1	1.9				
						6.0	0.3	17	27.8	27.8	7.8	7.8	20.1	20.1	67.1	67.1	4.7	4.7	15.2	4	89	90	825692	806938	<0.2	2.2	2.1	2.1				
					6.0	0.3	18	27.7	27.7	7.8	7.8	20.2	20.2	66.5	66.5	4.7	4.7	15.1	5	89	90	825692	806938	<0.2	2.2	2.1	2.1					
					10.9	0.4	323	27.5	27.5	7.8	7.8	22.6	22.6	66.0	66.0	4.6	4.6	17.2	5	90	91	825692	806938	<0.2	2.1	2.1	2.1					
					10.9	0.4	336	27.5	27.5	7.8	7.8	22.6	22.6	66.0	66.0	4.6	4.6	17.3	6	91	91	825692	806938	<0.2	2.1	2.1	2.1					
C3	Cloudy	Moderate	09:43	13.5	Surface	1.0	0.6	266	28.1	28.1	7.8	7.8	19.3	19.3	74.1	74.1	5.2	5.0	2.8	5	86	89	822127	817787	<0.2	1.9	2.1	1.9				
						1.0	0.7	283	28.1	28.1	7.8	7.8	19.3	19.3	74.1	74.1	5.2	5.0	2.7	5	87	89	822127	817787	<0.2	1.9	2.1	1.9				
						6.8	0.6	254	27.5	27.5	7.8	7.8	23.5	23.5	68.8	68.8	4.8	4.8	3.2	4	88	89	822127	817787	<0.2	1.9	2.1	1.9				
					6.8	0.6	278	27.5	27.5	7.8	7.8	23.5	23.5	68.8	68.8	4.8	4.8	3.2	4	89	90	822127	817787	<0.2	2.1	2.1	2.1					
					12.5	0.4	291	27.4	27.4	7.8	7.8	26.3	26.3	66.1	66.1	4.5	4.5	8.8	4	90	91	822127	817787	<0.2	2.3	2.3	2.3					
					12.5	0.4	301	27.4	27.4	7.8	7.8	26.3	26.3	66.0	66.0	4.5	4.5	8.4	4	90	91	822127	817787	<0.2	2.3	2.3	2.3					
IM1	Rainy	Moderate	10:45	5.1	Surface	1.0	0.5	15	28.2	28.2	7.6	7.6	19.8	19.8	81.7	81.7	5.7	5.7	3.3	6	83	84	817957	807139	<0.2	1.9	1.9	1.9				
						1.0	0.5	15	28.2	28.2	7.6	7.6	19.8	19.8	81.7	81.7	5.7	5.7	3.3	7	84	84	817957	807139	<0.2	1.9	1.9	1.9				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					4.1	0.4	353	28.1	28.1	7.6	7.6	21.1	21.1	82.7	82.7	5.7	5.8	5.7	5	91	91	817957	807139	<0.2	1.9	1.9	1.9					
					4.1	0.4	325	28.1	28.1	7.6	7.6	21.1	21.1	82.8	82.8	5.8	5.8	5.7	5	92	92	817957	807139	<0.2	1.8	1.8	1.8					
					4.1	0.4	325	28.1	28.1	7.6	7.6	21.1	21.1	82.8	82.8	5.8	5.8	5.7	5	92	92	817957	807139	<0.2	1.8	1.8	1.8					
IM2	Rainy	Moderate	10:50	6.9	Surface	1.0	0.4	35	28.2	28.2	7.6	7.6	20.6	20.6	82.2	82.2	5.7	5.8	3.9	4	83	83	818142	806152	<0.2	1.5	1.4	1.4				
						1.0	0.4	37	28.2	28.2	7.6	7.6	20.6	20.6	82.1	82.1	5.7	5.8	3.9	4	83	88	818142	806152	<0.2	1.5	1.4	1.4				
						3.5	0.4	18	28.1	28.1	7.6	7.6	21.6	21.6	82.9	83.0	5.8	4.5	4	4	88	88	818142	806152	<0.2	1.4	1.4	1.4				
					3.5	0.4	19	28.1	28.1	7.6	7.6	21.6	21.6	83.1	83.1	5.8	4.5	4	4	88	91	818142	806152	<0.2	1.4	1.4	1.4					
					5.9	0.4	356	28.0	28.0	7.6	7.6	22.0	22.0	82.3	82.5	5.7	5.7	5.8	4	91	91	818142	806152	<0.2	1.4	1.4	1.4					
					5.9	0.5	328	28.0	28.0	7.6	7.6	22.1	22.1	82.7	82.7	5.7	5.7	5.9	4	91	91	818142	806152	<0.2	1.3	1.3	1.3					
IM3	Cloudy	Moderate	10:57	7.3	Surface	1.0	0.5	323	28.3	28.3	7.6	7.6	20.5	20.5	83.7	83.6	5.8	5.6	5.2	4	83	83	818794	805591	<0.2	1.3	1.4	1.4				
						1.0	0.5	349	28.3	28.3	7.6	7.6	20.5	20.5	83.5	83.5	5.8	5.6	5.2	3	83	87	818794	805591	<0.2	1.3	1.4	1.4				
						3.7	0.5	331	27.8	27.8	7.6	7.6	23.4	23.4	77.2	77.2	5.3	8.2	4	4	88	88	818794	805591	<0.2	1.4	1.3	1.3				
					3.7	0.5	348	27.8	27.8	7.6	7.6	23.4	23.4	77.2	77.2	5.3	8.3	4	4	88	91	818794	805591	<0.2	1.3	1.3	1.3					
					6.3	0.4	317	27.7	27.7	7.6	7.6	25.1	25.1	78.1	78.2	5.4	5.4	12.6	5	91	91	818794	805591	<0.2	1.4	1.4	1.4					
					6.3	0.4	344	27.7	27.7	7.6	7.6	25.1	25.1	78.2	78.2	5.4	5.4	12.6	4	91	92	818794	805591	<0.2	1.4	1.4	1.4					
IM4	Cloudy	Moderate	11:12	8.0	Surface	1.0	0.7	358	28.4	28.4	7.6	7.6	20.0	20.0	87.8	87.8	6.1	6.1	4	4	83	83	819736	804628	<0.2	1.5	1.5	1.5				
						1.0	0.8	329	28.4	28.4	7.6	7.6	20.0	20.0	87.8	87.8	6.1	6.1	4	5	83	88	819736	804628	<0.2	1.4	1.4	1.4				
						4.0	0.7	9	28.3	28.3	7.6	7.6	20.0	20.0	87.0	87.0	6.1	4.9	4	4	88	88	819736	804628	<0.2	1.4	1.4	1.4				
					4.0	0.7	9	28.3	28.3	7.6	7.6	20.0	20.0	86.9	86.9	6.1	4.9	4	4	88	91	819736	804628	<0.2	1.4	1.4	1.4					
					7.0	0.5	344	28.3	28.3	7.6	7.6	20.1	20.1	86.9	86.9	6.1	6.1	5.8	4	91	91	819736	804628	<0.2	1.4	1.4	1.4					
					7.0	0.5	359	28.3	28.3	7.6	7.6	20.1	20.1	86.9	86.9	6.1	6.1	5.8	5	92	92	819736	804628	<0.2	1.6	1.6	1.6					
IM5	Cloudy	Moderate	11:18	8.4	Surface	1.0	0.9	7	28.1	28.1	7.6	7.6	21.2	21.2	78.8	78.8	5.5	5.5	1.5	5	83	83	820745	804844	<0.2	1.5	1.5	1.5				
						1.0	0.9	7	28.1	28.1	7.6	7.6	21.2	21.2	78.8	78.8	5.5	5.5	1.5	6	83	88	820745	804844	<0.2	1.5	1.5	1.5				
						4.2	1.0	8	27.8	27.8	7.6	7.6	23.6	23.6	78.1	78.2	5.4	2.9	5	5	88	88	820745	804844	<0.2	1.4	1.4	1.4				
					4.2	1.0	8	27.8	27.8	7.6	7.6	23.6	23.6	78.2	78.2	5.4	2.9	5	5	88	91	820745	804844	<0.2	1.4	1.4	1.4					
					7.4	0.8	5	27.7	27.7	7.6	7.6	24.6	24.6	82.1	82.3	5.6	6.4	4	4	91	91	820745	804844	<0.2	1.4	1.4	1.4					
					7.4	0.8	5	27.7	27.7	7.6	7.6	24.6	24.6	82.4	82.4	5.6	6.0	4	4	91	91	820745	804844	<0.2	1.4	1.4	1.4					
IM6	Cloudy	Moderate	11:25	8.2	Surface	1.0	0.1	85	28.2	28.2	7.6	7.6	21.0	21.0	78.2	78.2	5.4	5.4	5.3	3	83	83	821071	805808	<0.2	1.4	1.4	1.4				
						1.0	0.1	90	28.2	28.2	7.6	7.6	21.0	21.0	78.2	78.2	5.4	5.4														

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	06:39	8.9	Surface	1.0	0.1	115	29.4	29.4	8.1	8.1	14.3	14.3	86.3	86.3	6.1	2.7	2	84	89	815614	804265	<0.2	1.2	1.5	1.5	1.5				
						1.0	0.1	120	29.4	29.4	8.1	8.1	14.3	14.3	86.3	86.3	6.1	2.7	2	85	89	<0.2	1.3	1.5	1.5	1.5						
					Middle	4.5	0.3	166	28.7	28.7	8.0	8.0	24.8	24.8	65.7	65.7	4.4	3.8	5.4	<2	2	89	90	<0.2	1.6	1.5	1.5	1.5				
						4.5	0.3	168	28.7	28.7	8.0	8.0	24.8	24.8	65.7	65.7	4.4	3.8	5.4	<2	2	90	91	<0.2	1.7	1.5	1.5	1.5				
					Bottom	7.9	0.3	162	28.5	28.5	8.0	8.0	26.8	26.8	65.9	65.9	4.4	4.4	4.4	9.6	2	93	94	<0.2	1.8	1.5	1.5	1.5				
						7.9	0.3	163	28.5	28.5	8.0	8.0	26.8	26.8	66.0	66.0	4.4	4.4	4.4	9.6	2	94	95	<0.2	1.6	1.5	1.5	1.5				
C2	Fine	Moderate	08:02	11.2	Surface	1.0	0.5	199	29.2	29.3	7.6	7.6	12.5	12.5	71.0	71.1	5.1	8.2	5	84	87	825665	806945	<0.2	1.4	1.3	1.3	1.3				
						1.0	0.6	210	29.3	29.3	7.6	7.6	12.5	12.5	71.1	71.1	5.1	8.1	4.9	6	85	86	<0.2	1.3	1.3	1.3	1.3					
					Middle	5.6	0.1	205	28.0	28.0	7.7	7.7	23.4	23.4	67.2	67.3	4.6	6.3	7.5	4	86	88	<0.2	1.3	1.3	1.3	1.3					
						5.6	0.1	185	28.0	28.0	7.7	7.7	23.4	23.4	67.3	67.3	4.6	6.5	7.5	4	88	89	<0.2	1.3	1.3	1.3	1.3					
					Bottom	10.2	0.2	138	28.0	28.1	7.7	7.7	23.4	23.4	68.1	68.2	4.7	8.0	4.7	8.0	4	89	90	<0.2	1.2	1.3	1.3	1.3				
						10.2	0.2	126	28.1	28.1	7.7	7.7	23.4	23.4	68.3	68.3	4.7	8.0	4.7	8.0	5	89	90	<0.2	1.1	1.3	1.3	1.3				
C3	Fine	Moderate	06:11	11.0	Surface	1.0	0.5	83	28.3	28.3	7.8	7.8	22.4	22.4	75.5	75.5	5.2	3.8	3	84	87	822087	817815	<0.2	1.3	1.3	1.3	1.3				
						1.0	0.5	89	28.3	28.3	7.8	7.8	22.4	22.4	75.4	75.4	5.2	3.8	3	85	86	<0.2	1.4	1.3	1.3	1.3						
					Middle	5.5	0.4	89	28.0	28.0	7.8	7.8	22.9	22.9	71.2	71.1	4.9	4.6	4.5	3	86	88	<0.2	1.3	1.3	1.3	1.3					
						5.5	0.4	79	28.0	28.0	7.8	7.8	22.9	22.9	71.0	71.0	4.9	4.5	4.5	3	88	89	<0.2	1.5	1.3	1.3	1.3					
					Bottom	10.0	0.2	71	27.6	27.6	7.8	7.8	27.2	27.2	70.8	70.9	4.8	5.1	4.8	4	89	90	<0.2	1.1	1.3	1.3	1.3					
						10.0	0.2	74	27.6	27.6	7.8	7.8	27.1	27.1	70.9	70.9	4.8	5.2	4.8	4	89	90	<0.2	1.1	1.3	1.3	1.3					
IM1	Sunny	Moderate	07:04	5.1	Surface	1.0	0.2	152	29.0	29.0	8.0	8.0	30.2	30.2	78.4	78.4	5.1	5.0	2	90	92	817945	807140	<0.2	1.3	1.5	1.5	1.5				
						1.0	0.2	157	29.0	29.0	8.0	8.0	30.2	30.2	78.4	78.4	5.1	5.0	3	90	91	<0.2	1.3	1.5	1.5	1.5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.1	0.0	222	28.7	28.7	8.0	8.0	31.5	31.4	70.2	70.2	4.5	4.5	4.5	7.7	2	93	94	<0.2	1.6	1.5	1.5	1.5				
						4.1	0.0	239	28.7	28.7	8.0	8.0	31.4	31.4	70.2	70.2	4.5	4.5	4.5	7.7	2	93	94	<0.2	1.8	1.5	1.5	1.5				
IM2	Sunny	Moderate	07:13	7.2	Surface	1.0	0.3	118	29.1	29.1	8.0	8.0	25.9	25.9	71.7	71.8	4.8	4.4	2	86	90	818149	806174	<0.2	1.2	1.4	1.4	1.4				
						1.0	0.3	119	29.1	29.1	8.0	8.0	25.9	25.9	71.8	71.8	4.8	4.5	2	87	90	<0.2	1.4	1.4	1.4	1.4						
					Middle	3.6	0.3	130	28.7	28.7	8.0	8.0	31.5	31.5	64.4	64.4	4.3	9.2	8.5	2	90	91	<0.2	1.2	1.4	1.4	1.4					
						3.6	0.3	132	28.7	28.7	8.0	8.0	31.5	31.5	64.3	64.3	4.3	9.2	2	91	92	<0.2	1.0	1.4	1.4	1.4						
					Bottom	6.2	0.3	121	28.6	28.6	8.0	8.0	32.1	32.1	65.2	65.2	4.2	11.9	4.2	3	93	94	<0.2	1.9	1.4	1.4	1.4					
						6.2	0.3	122	28.6	28.6	8.0	8.0	32.1	32.1	65.2	65.2	4.2	11.8	2	94	95	<0.2	1.8	1.4	1.4	1.4						
IM3	Sunny	Moderate	07:22	7.3	Surface	1.0	0.4	160	29.3	29.3	8.0	8.0	21.8	21.8	80.0	80.0	5.4	4.1	2	86	90	818793	805581	<0.2	1.2	1.3	1.3	1.3				
						1.0	0.4	151	29.3	29.3	8.0	8.0	21.9	21.9	79.9	80.1	5.4	4.1	2	87	90	<0.2	1.3	1.3	1.3	1.3						
					Middle	3.7	0.4	141	28.8	28.8	8.0	8.0	30.0	30.0	66.5	66.5	4.4	9.0	7.2	2	90	91	<0.2	1.4	1.3	1.3	1.3					
						3.7	0.4	133	28.8	28.8	8.0	8.0	30.0	30.0	66.5	66.5	4.4	8.9	2	92	93	<0.2	1.5	1.3	1.3	1.3						
					Bottom	6.3	0.3	132	28.7	28.7	8.0	8.0	31.3	31.3	67.9	68.1	4.4	8.4	4.4	4	94	95	<0.2	1.1	1.3	1.3	1.3					
						6.3	0.3	134	28.7	28.7	8.0	8.0	31.3	31.3	68.2	68.2	4.4	8.4	4.4	4	93	94	<0.2	1.2	1.3	1.3	1.3					
IM4	Sunny	Moderate	07:33	7.4	Surface	1.0	0.7	133	29.7	29.7	8.0	8.0	13.8	13.8	90.1	90.2	6.4	4.0	2	89	92	819740	804598	<0.2	1.9	1.5	1.5	1.5				
						1.0	0.8	134	29.7	29.7	8.0	8.0	13.8	13.8	90.1	90.1	6.3	4.0	2	89	90	<0.2	1.7	1.5	1.5	1.5						
					Middle	3.7	0.6	111	29.2	29.2	8.0	8.0	23.4	23.4	74.3	74.2	5.0	8.3	7.8	2	92	93	<0.2	1.2	1.5	1.5	1.5					
						3.7	0.6	124	29.2	29.2	8.0	8.0	23.5	23.4	74.1	74.2	5.0	8.5	2	93	94	<0.2	1.4	1.5	1.5	1.5						
					Bottom	6.4	0.5	109	28.8	28.8	8.0	8.0	31.0	31.0	70.9	71.0	4.6	11.0	4.6	4	94	95	<0.2	1.3	1.5	1.5	1.5					
						6.4	0.5	118	28.8	28.8	8.0	8.0	31.0	31.0	71.1	71.0	4.6	11.2	2	95	96	<0.2	1.2	1.5	1.5	1.5						
IM5	Sunny	Moderate	07:47	7.0	Surface	1.0	1.0	150	29.6	29.6	8.0	8.0	14.9	15.0	89.8	89.8	6.3	3.6	2	88	90	820718	804861	<0.2	1.4	1.8	1.8	1.8				
						1.0	1.0	152	29.6	29.6	8.0	8.0	15.0	15.0	89.7	89.7	6.3	3.6	2	88	89	<0.2	1.4	1.8	1.8	1.8						
					Middle	3.5	1.0	109	29.1	29.1	8.0	8.0	25.5	25.6	70.1	70.1	4.7	5.0	5.6	2	88	89	<0.2	1.9	1.8	1.8	1.8					
						3.5	1.1	111	29.1	29.1	8.0	8.0	25.6	25.6	70.0	70.1	4.7	5.1	2	89	90	<0.2	1.8	1.8	1.8	1.8						
					Bottom	6.0	0.7	153	28.8	28.8	8.0	8.0	30.0	30.0	71.4	71.6	4.7	8.1	4.7	3	92	93	<0.2	1.9	1.8	1.8	1.8					
						6.0	0.8	142	28.8	28.8	8.0	8.0	30.0	30.0	71.7	71.6	4.7	7.9	2	92	93	<0.2	2.1	1.8	1.8	1.8						
IM6	Sunny	Moderate	07:58	6.7	Surface	1.0	0.1	159	29.7	29.7	8.0	8.0	16.9	16.9	82.5	82.4	5.7	3.4	2	87	90	821075	805833	<0.2	1.7	1.4	1.4	1.4				
						1.0	0.1	163	29.7	29.7	8.0	8.0	16.9	16.9	82.3	82.3	5.7	3.4	2	87	88	<0.2	1.5	1.4	1.4	1.4						
					Middle	3.4	0.1	133	29.0	29.0	7.9	7.9	26.8	26.8	64.4	64.4	4.3	6.3	6.3	2	90	91	<0.2	1.2	1.4	1.4	1.4					
						3.4	0.1	135	29.0	29.0	7.9	7.9	26.8	26.8	64.3	64.3	4.3	6.4	2	91	92	<0.2	1									

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

Water Quality Monitoring Results on 08 August 19 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	07:15	6.8	Surface	1.0	0.2	145	29.3	29.3	7.7	7.7	9.4	9.4	78.7	78.8	5.7	5.7	5.9	5.9	5	5	85	85	87	822076	808826	<0.2	1.7	1.7					
						1.0	0.2	156	29.3	29.3	7.7	7.7	9.4	9.4	78.8	78.8	5.7	5.7	5.9	5.9	5	5	84	84				<0.2	1.8						
						3.4	0.2	169	29.2	29.2	7.7	7.7	10.4	10.4	78.8	78.8	5.7	5.7	5.7	5.7	4	4	86	86				<0.2	1.7						
					3.4	0.2	172	29.2	29.2	7.7	7.7	10.4	10.4	78.7	78.7	5.7	5.7	5.7	5.7	4	4	87	87	<0.2				1.9							
					5.8	0.2	149	28.6	28.6	7.7	7.7	18.3	18.3	71.6	71.7	5.0	5.0	6.1	6.1	4	4	89	89	<0.2				1.7							
					5.8	0.2	150	28.6	28.6	7.7	7.7	18.4	18.4	71.7	71.7	5.0	5.0	6.3	6.3	5	5	88	88	<0.2				1.6							
IM10	Fine	Moderate	07:10	7.2	Surface	1.0	0.1	137	29.3	29.3	7.7	7.7	9.2	9.2	78.4	78.3	5.7	5.7	5.7	5.7	4	4	84	84	87	822405	809813	<0.2	1.5	1.6					
						1.0	0.1	139	29.2	29.2	7.7	7.7	9.2	9.2	78.2	78.2	5.7	5.7	5.7	5.7	5	5	85	85				<0.2	1.6						
						3.6	0.1	135	29.1	29.1	7.7	7.7	12.3	12.3	77.3	77.3	5.6	5.6	5.4	5.4	4	4	86	86				<0.2	1.6						
					3.6	0.1	141	29.1	29.1	7.7	7.7	12.3	12.3	77.3	77.3	5.6	5.6	5.4	5.4	4	4	86	86	<0.2				1.7							
					6.2	0.0	107	28.5	28.5	7.7	7.7	18.7	18.7	73.8	73.9	5.2	5.2	5.4	5.4	3	3	89	89	<0.2				1.6							
					6.2	0.0	113	28.5	28.5	7.7	7.7	18.6	18.6	74.0	74.0	5.2	5.2	5.4	5.4	4	4	89	89	<0.2				1.7							
IM11	Fine	Moderate	07:05	7.4	Surface	1.0	0.2	82	28.8	28.8	7.7	7.7	15.0	15.0	76.6	76.6	5.5	5.5	5.4	5.4	4	4	85	85	87	822040	811440	<0.2	1.7	1.7					
						1.0	0.2	83	28.8	28.8	7.7	7.7	15.0	15.0	76.6	76.6	5.5	5.5	5.5	5.5	3	3	84	84				<0.2	1.7						
						3.7	0.2	45	28.4	28.4	7.8	7.8	19.9	19.9	71.6	71.7	5.0	5.0	7.4	7.4	5	5	86	86				<0.2	1.7						
					3.7	0.2	46	28.4	28.4	7.8	7.8	19.9	19.9	71.7	71.7	5.0	5.0	7.4	7.4	4	4	88	88	<0.2				1.6							
					6.4	0.2	253	28.3	28.3	7.8	7.8	21.7	21.7	72.8	72.8	5.0	5.0	9.2	9.2	4	4	88	88	<0.2				1.6							
					6.4	0.2	265	28.3	28.3	7.8	7.8	21.7	21.7	72.8	72.8	5.0	5.0	9.2	9.2	3	3	89	89	<0.2				1.7							
IM12	Fine	Moderate	06:52	7.7	Surface	1.0	0.3	84	29.1	29.1	7.7	7.7	14.9	14.8	77.6	77.7	5.5	5.5	4.9	4.9	2	2	85	85	87	821476	812065	<0.2	1.8	1.6					
						1.0	0.4	89	29.0	29.0	7.7	7.7	14.8	14.8	77.7	77.7	5.5	5.5	5.0	5.0	2	2	85	85				<0.2	1.7						
						3.9	0.2	22	28.5	28.5	7.8	7.8	19.7	19.7	71.2	71.2	5.0	5.0	5.7	5.7	2	2	87	87				<0.2	1.7						
					3.9	0.2	24	28.5	28.5	7.8	7.8	19.7	19.7	71.1	71.1	5.0	5.0	5.8	5.8	2	2	87	87	<0.2				1.5							
					6.7	0.1	325	28.1	28.1	7.8	7.8	22.5	22.5	68.0	67.8	4.7	4.7	9.2	9.2	2	2	89	89	<0.2				1.4							
					6.7	0.1	357	28.1	28.1	7.8	7.8	22.6	22.5	67.5	67.8	4.6	4.7	9.1	9.1	2	2	90	90	<0.2				1.6							
SR1A	Fine	Moderate	06:37	5.1	Surface	1.0	-	-	28.6	28.6	7.8	7.8	17.2	17.2	76.4	76.4	5.4	5.4	5.9	5.9	2	2	-	-	87	819971	812656	-	-	-					
						1.0	-	-	28.6	28.6	7.8	7.8	17.2	17.2	76.3	76.3	5.4	5.4	6.2	6.2	2	2	-	-				-	-						
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-
					4.1	-	-	28.6	28.6	7.8	7.8	19.0	19.0	76.5	76.7	5.3	5.3	10.0	10.0	3	3	-	-	-				-	-		-	-	-	-	
					4.1	-	-	28.6	28.6	7.8	7.8	19.0	19.0	76.9	76.9	5.4	5.4	9.8	9.8	3	3	-	-	-				-	-		-	-	-	-	-
SR2	Fine	Moderate	06:31	4.6	Surface	1.0	0.2	77	28.8	28.8	7.8	7.8	16.8	16.8	78.7	78.6	5.5	5.5	4.2	4.2	2	2	85	85	87	821473	814173	<0.2	1.7	1.6					
						1.0	0.2	78	28.7	28.7	7.8	7.8	16.8	16.8	78.5	78.5	5.5	5.5	4.2	4.2	3	3	85	85				<0.2	1.8						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-
					3.6	0.1	86	28.6	28.6	7.8	7.8	18.5	18.5	79.3	79.4	5.5	5.5	4.4	4.4	2	2	86	86	<0.2				1.4							
					3.6	0.1	92	28.6	28.6	7.8	7.8	18.5	18.5	79.5	79.5	5.6	5.6	4.4	4.4	2	2	88	88	<0.2				1.5							
SR3	Fine	Moderate	07:29	8.6	Surface	1.0	0.3	167	28.9	28.9	7.7	7.7	15.3	15.3	70.1	70.1	5.0	5.0	6.6	6.6	4	4	-	-	87	822164	807594	-	-	-					
						1.0	0.3	158	28.9	28.9	7.7	7.7	15.2	15.2	70.0	70.0	5.0	5.0	6.6	6.6	3	3	-	-				-	-						
						4.3	0.2	146	28.7	28.7	7.7	7.7	16.8	16.8	68.1	68.1	4.8	4.8	5.0	5.0	4	4	-	-				-	-						
					4.3	0.2	150	28.7	28.7	7.7	7.7	16.8	16.8	68.0	68.0	4.8	4.8	5.0	5.0	3	3	-	-	-				-							
					7.6	0.3	154	28.5	28.5	7.7	7.7	20.1	20.1	65.6	65.6	4.6	4.6	6.1	6.1	3	3	-	-	-				-							
					7.6	0.3	165	28.5	28.5	7.7	7.7	20.1	20.1	65.6	65.6	4.6	4.6	6.1	6.1	3	3	-	-	-				-							
SR4A	Sunny	Calm	06:19	9.0	Surface	1.0	0.5	81	29.1	29.1	8.0	8.0	22.7	22.7	72.9	72.8	4.9	4.9	4.8	4.8	<2	<2	-	-	87	817200	807791	-	-	-					
						1.0	0.5	81	29.1	29.1	8.0	8.0	22.7	22.7	72.7	72.7	4.9	4.9	4.8	4.8	<2	<2	-	-				-	-						
						4.5	0.5	88	28.7	28.7	8.0	8.0	23.5	23.5	66.2	66.2	4.5	4.5	6.0	6.0	<2	<2	-	-				-	-						
					4.5	0.6	89	28.7	28.7	8.0	8.0	23.5	23.5	66.2	66.2	4.5	4.5	6.0	6.0	<2	<2	-	-	-				-							
					8.0	0.5	75	28.7	28.7	8.0	8.0	23.4	23.4	68.2	68.3	4.6	4.6	10.7	10.7	<2	<2	-	-	-				-							
					8.0	0.5	80	28.7	28.7	8.0	8.0	23.4	23.4	68.3	68.3	4.6	4.6	10.8	10.8	<2	<2	-	-	-				-							
SR5A	Sunny	Calm	06:02	5.3	Surface	1.0	0.3	99	29.5	29.5	7.9	7.9	22.5	22.5	77.3	77.3	5.2	5.2	4.0	4.0	<2	<2	-	-	87	816576	810698	-	-	-					
						1.0	0.3	99	29.5	29.5	7.9	7.9	22.5	22.5	77.3	77.3	5.2	5.2	4.0	4.0	<2	<2	-	-				-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	
					4.3	0.5	101	28.8	28.8	7.9	7.9	25.4	25.4	64.8	64.9	4.4	4.4	9.0	9.0	<2	<2	-	-	-				-							
					4.3	0.5	102	28.8	28.8	7.9	7.9	25.4	25.4	65.0	65.0	4.4	4.4	8.7	8.7	<2	<2	-	-	-				-							
SR6A	Sunny	Calm	05:36	4.6	Surface	1.0	0.0	36	29.3	29.3	7.9	7.9	24.0	24.0	83.1	83.0	5.5	5.5	3.8	3.8	<2	<2	-	-											

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

Water Quality Monitoring Results on 08 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	12:51	7.7	Surface	1.0	0.4	22	30.4	30.4	8.1	8.1	19.8	19.8	106.8	106.7	7.2	5.4	6.3	8.6	<2	<2	87	92	815643	804229	<0.2	<0.2	2.2	1.8				
						1.0	0.5	23	30.4	8.1	8.1	19.8	106.6	7.2	5.3	<2	<2	88																
					Middle	3.9	0.3	39	29.7	29.6	8.1	8.1	21.3	21.3	80.0	79.7	7.2	7.0	6.3	8.6	<2	<2	93	92	815643	804229	<0.2	<0.2	1.6	1.8				
						3.9	0.3	41	29.6	29.6	8.1	8.1	21.3	21.3	79.4	79.4	5.4	7.1	6.3	8.6	<2	<2	94	92	815643	804229	<0.2	<0.2	1.7	1.8				
					Bottom	6.7	0.3	32	28.7	28.7	8.0	8.0	31.9	31.9	71.5	71.7	4.6	13.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
						6.7	0.3	33	28.7	28.7	8.0	8.0	31.9	31.9	71.8	71.8	4.7	13.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
C2	Fine	Moderate	11:41	11.6	Surface	1.0	0.6	225	28.9	28.9	7.6	7.6	13.1	13.0	69.8	69.8	5.0	6.1	4.9	6.5	2	2	84	87	825699	806968	<0.2	<0.2	1.7	1.8				
						1.0	0.6	240	28.9	28.9	7.6	7.6	12.9	12.9	69.7	69.7	5.0	6.0	4.9	6.5	2	2	85	87	825699	806968	<0.2	<0.2	1.6	1.8				
					Middle	5.8	0.1	291	28.1	28.1	7.7	7.7	23.3	23.3	68.1	68.4	4.7	6.1	4.8	6.5	2	2	86	87	825699	806968	<0.2	<0.2	2.0	1.8				
						5.8	0.1	303	28.1	28.1	7.7	7.7	23.3	23.3	68.6	68.6	4.7	6.1	4.8	6.5	2	2	87	87	825699	806968	<0.2	<0.2	1.8	1.8				
					Bottom	10.6	0.1	4	28.1	28.1	7.7	7.7	23.3	23.3	69.1	69.2	4.8	7.4	4.8	6.5	3	3	89	87	825699	806968	<0.2	<0.2	2.0	1.8				
						10.6	0.1	4	28.1	28.1	7.7	7.7	23.3	23.3	69.3	69.3	4.8	7.4	4.8	6.5	3	3	88	87	825699	806968	<0.2	<0.2	1.8	1.8				
C3	Fine	Moderate	13:15	12.1	Surface	1.0	0.2	260	28.9	28.9	7.8	7.8	20.2	20.2	86.0	85.9	5.9	8.1	5.3	6.3	2	2	85	87	822129	817796	<0.2	<0.2	1.9	1.9				
						1.0	0.3	268	28.8	28.8	7.8	7.8	20.3	20.3	85.8	85.8	5.9	8.2	5.3	6.3	2	2	84	87	822129	817796	<0.2	<0.2	1.9	1.9				
					Middle	6.1	0.4	264	27.8	27.8	7.8	7.8	24.9	24.9	67.3	67.3	4.6	4.4	4.8	6.3	2	2	87	87	822129	817796	<0.2	<0.2	1.9	1.9				
						6.1	0.4	264	27.8	27.8	7.8	7.8	24.9	24.9	67.2	67.2	4.6	4.3	4.8	6.3	2	2	87	87	822129	817796	<0.2	<0.2	1.8	1.9				
					Bottom	11.1	0.3	302	27.5	27.5	7.8	7.8	28.5	28.5	66.7	66.8	4.5	6.4	4.5	6.4	3	3	89	87	822129	817796	<0.2	<0.2	1.9	1.9				
						11.1	0.3	328	27.5	27.5	7.8	7.8	28.5	28.5	66.9	66.9	4.5	6.4	4.5	6.4	3	3	90	87	822129	817796	<0.2	<0.2	1.9	1.9				
IM1	Sunny	Moderate	12:32	4.6	Surface	1.0	0.5	19	29.9	29.9	8.0	8.0	24.9	24.9	79.0	78.9	5.2	6.3	5.2	8.6	3	3	89	91	817931	807117	<0.2	<0.2	2.0	1.9				
						1.0	0.5	19	29.9	29.9	8.0	8.0	24.9	24.9	78.8	78.8	5.2	6.4	5.2	8.6	3	3	90	91	817931	807117	<0.2	<0.2	1.9	1.9				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.4	350	29.0	29.0	8.0	8.0	29.3	29.3	71.0	71.0	4.6	4.7	4.7	10.6	3	3	91	91	817931	807117	<0.2	<0.2	1.9	1.9				
						3.6	0.4	322	29.0	29.0	8.0	8.0	29.4	29.3	71.0	71.0	4.7	10.9	4.7	10.9	3	3	92	91	817931	807117	<0.2	<0.2	1.9	1.9				
IM2	Sunny	Moderate	12:25	6.7	Surface	1.0	0.3	40	30.1	30.1	8.1	8.1	21.9	21.9	93.3	93.2	6.2	6.1	5.4	8.0	3	3	88	93	818145	806186	<0.2	<0.2	1.9	1.3				
						1.0	0.4	42	30.1	30.1	8.1	8.1	21.9	21.9	93.0	93.0	6.2	6.1	5.4	8.0	3	3	89	93	818145	806186	<0.2	<0.2	1.8	1.3				
					Middle	3.4	0.4	24	29.0	29.0	8.0	8.0	27.3	27.3	69.3	69.3	4.6	8.0	4.4	8.0	3	3	93	93	818145	806186	<0.2	<0.2	1.0	1.3				
						3.4	0.5	25	29.0	29.0	8.0	8.0	27.3	27.3	69.2	69.2	4.6	8.0	4.4	8.0	3	3	93	93	818145	806186	<0.2	<0.2	1.1	1.3				
					Bottom	5.7	0.4	357	28.8	28.8	8.0	8.0	31.1	31.1	68.1	68.2	4.4	9.7	4.4	9.7	3	3	96	93	818145	806186	<0.2	<0.2	1.0	1.3				
						5.7	0.4	328	28.8	28.8	8.0	8.0	31.1	31.1	68.2	68.2	4.4	9.9	4.4	9.9	4	4	96	93	818145	806186	<0.2	<0.2	1.1	1.3				
IM3	Sunny	Moderate	12:19	6.8	Surface	1.0	0.5	328	29.9	29.9	8.1	8.1	20.1	20.1	92.0	92.0	6.2	8.3	5.4	9.7	4	4	88	92	818777	805588	<0.2	<0.2	1.0	1.1				
						1.0	0.5	356	30.0	30.0	8.1	8.1	20.1	20.1	91.9	91.9	6.2	8.1	5.4	9.7	4	4	88	92	818777	805588	<0.2	<0.2	1.0	1.1				
					Middle	3.4	0.5	333	29.0	29.0	8.0	8.0	27.6	27.6	69.1	69.1	4.6	10.2	4.4	10.2	3	3	91	92	818777	805588	<0.2	<0.2	1.1	1.1				
						3.4	0.6	306	29.0	29.0	8.0	8.0	27.6	27.6	69.1	69.1	4.6	10.2	4.4	10.2	3	3	92	92	818777	805588	<0.2	<0.2	1.1	1.1				
					Bottom	5.8	0.4	318	28.7	28.7	8.0	8.0	31.6	31.6	67.8	67.9	4.4	10.6	4.4	10.6	3	3	97	92	818777	805588	<0.2	<0.2	1.0	1.1				
						5.8	0.4	342	28.7	28.7	8.0	8.0	31.6	31.6	67.9	67.9	4.4	10.7	4.4	10.7	3	3	96	92	818777	805588	<0.2	<0.2	1.1	1.1				
IM4	Sunny	Moderate	12:10	7.0	Surface	1.0	0.7	359	30.4	30.4	8.0	8.0	17.6	17.6	98.7	98.6	6.7	4.1	6.0	8.1	2	2	87	92	819712	804608	<0.2	<0.2	1.1	1.1				
						1.0	0.8	332	30.4	30.4	8.0	8.0	17.6	17.6	98.5	98.5	6.7	4.2	6.0	8.1	2	2	88	92	819712	804608	<0.2	<0.2	1.0	1.1				
					Middle	3.5	0.7	11	29.5	29.5	8.0	8.0	22.4	22.4	78.0	78.0	5.3	8.8	5.3	8.1	3	3	91	92	819712	804608	<0.2	<0.2	1.1	1.1				
						3.5	0.7	11	29.5	29.5	8.0	8.0	22.4	22.4	77.9	77.9	5.3	8.8	5.3	8.1	3	3	92	92	819712	804608	<0.2	<0.2	1.1	1.1				
					Bottom	6.0	0.5	340	29.0	29.0	8.0	8.0	27.2	27.2	70.5	70.5	4.7	11.3	4.7	11.3	2	2	96	92	819712	804608	<0.2	<0.2	1.1	1.1				
						6.0	0.5	354	29.0	29.0	8.0	8.0	27.2	27.2	70.5	70.5	4.7	11.4	4.7	11.4	2	2	96	92	819712	804608	<0.2	<0.2	1.1	1.1				
IM5	Sunny	Moderate	12:03	6.5	Surface	1.0	0.9	10	29.8	29.8	8.0	8.0	19.2	19.2	88.4	88.3	6.0	4.2	5.5	6.7	4	4	89	92	820726	804872	<0.2	<0.2	1.0	1.1				
						1.0	0.9	10	29.8	29.8	8.0	8.0	19.2	19.2	88.2	88.2	6.0	4.2	5.5	6.7	4	4	90	92	820726	804872	<0.2	<0.2	1.1	1.1				
					Middle	3.3	1.0	9	29.2	29.2	7.9	7.9	23.6	23.6	73.7	73.7	5.0	6.7	5.0	6.7	5	5	93	92	820726	804872	<0.2	<0.2	1.0	1.1				
						3.3	1.0	9	29.2	29.2	7.9	7.9	23.6	23.6	73.7	73.7	5.0	6.7	5.0	6.7														

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

Water Quality Monitoring Results on 08 August 19 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	12:04	6.9	Surface	1.0	0.2	210	29.3	29.3	7.7	7.7	10.3	10.3	77.9	77.9	5.6	5.6	5.7	4	85	87	822075	808808	<0.2	1.7	1.7	1.7				
						1.0	0.2	221	29.2	29.2	7.7	7.7	10.3	10.3	77.8	77.8	5.6	5.6	5.6	4	84	87	822075	808808	<0.2	1.6	1.6					
					Middle	3.5	0.1	279	29.1	29.1	7.7	7.7	11.1	11.1	77.3	77.3	5.6	5.6	5.8	5	86	87	822075	808808	<0.2	1.8	1.8	1.8				
						3.5	0.1	302	29.0	29.0	7.7	7.7	11.1	11.1	77.3	77.3	5.6	5.6	5.8	6	87	87	822075	808808	<0.2	1.6	1.6					
					Bottom	5.9	0.3	289	28.5	28.5	7.7	7.7	19.1	19.0	69.3	69.3	4.8	4.9	6.8	6	89	89	822075	808808	<0.2	1.6	1.6	1.6				
						5.9	0.3	297	28.5	28.5	7.7	7.7	19.0	19.0	69.4	69.4	4.9	4.9	6.7	7	89	89	822075	808808	<0.2	1.6	1.6	1.6				
IM10	Fine	Moderate	12:10	7.6	Surface	1.0	0.1	191	29.7	29.7	7.7	7.7	11.2	11.2	80.4	80.4	5.8	5.8	5.3	5	85	87	822396	809785	<0.2	1.6	1.6	1.6				
						1.0	0.1	195	29.7	29.7	7.7	7.7	11.2	11.2	80.4	80.4	5.7	5.7	5.3	5	84	87	822396	809785	<0.2	1.6	1.6					
					Middle	3.8	0.2	22	28.5	28.5	7.7	7.7	17.8	17.8	72.4	72.4	5.1	5.1	6.6	5	86	87	822396	809785	<0.2	1.4	1.4	1.4				
						3.8	0.2	24	28.5	28.5	7.7	7.7	17.8	17.8	72.4	72.4	5.1	5.1	6.9	5	87	87	822396	809785	<0.2	1.5	1.5					
					Bottom	6.6	0.3	292	28.3	28.3	7.7	7.7	21.9	21.9	68.9	68.9	4.8	4.8	9.5	4	89	89	822396	809785	<0.2	1.5	1.5	1.5				
						6.6	0.3	309	28.3	28.3	7.7	7.7	21.9	21.9	69.1	69.1	4.8	4.8	9.5	4	90	89	822396	809785	<0.2	1.5	1.5	1.5				
IM11	Fine	Moderate	12:20	7.8	Surface	1.0	0.3	352	29.0	29.0	7.7	7.7	15.7	15.7	77.2	77.2	5.5	5.5	7.5	5	84	87	822033	811475	<0.2	1.4	1.4	1.4				
						1.0	0.3	359	29.0	29.0	7.7	7.7	15.7	15.7	77.2	77.2	5.5	5.5	7.5	5	85	87	822033	811475	<0.2	1.4	1.4					
					Middle	3.9	0.4	315	28.3	28.2	7.8	7.8	20.2	21.4	68.5	67.8	4.8	4.8	6.8	5	87	87	822033	811475	<0.2	1.4	1.4	1.4				
						3.9	0.4	326	28.1	28.1	7.8	7.8	20.2	21.4	68.5	67.8	4.8	4.8	6.8	5	88	87	822033	811475	<0.2	1.5	1.5					
					Bottom	6.8	0.3	273	28.0	28.0	7.7	7.7	23.7	23.7	67.9	68.0	4.7	4.7	5.7	5	89	89	822033	811475	<0.2	1.5	1.5					
						6.8	0.3	274	28.0	28.0	7.7	7.7	23.7	23.7	68.1	68.0	4.7	4.7	5.5	6	90	89	822033	811475	<0.2	1.7	1.7					
IM12	Fine	Moderate	12:21	8.1	Surface	1.0	0.1	334	28.9	28.9	7.7	7.7	13.8	13.7	79.4	79.3	5.7	5.7	4.8	4	85	87	821446	812063	<0.2	1.7	1.7					
						1.0	0.1	307	28.8	28.8	7.7	7.7	13.7	13.7	79.2	79.2	5.7	5.7	4.8	4	84	87	821446	812063	<0.2	1.6	1.6					
					Middle	4.1	0.2	286	28.1	28.1	7.7	7.7	20.5	20.5	70.7	70.6	4.9	4.1	5	5	87	87	821446	812063	<0.2	1.4	1.4					
						4.1	0.2	291	28.1	28.1	7.7	7.7	20.4	20.5	70.5	70.6	4.9	4.1	6	5	88	87	821446	812063	<0.2	1.4	1.4					
					Bottom	7.1	0.2	264	27.8	27.8	7.7	7.7	24.9	24.9	63.6	63.7	4.3	4.4	7.9	6	89	89	821446	812063	<0.2	1.3	1.3					
						7.1	0.2	273	27.8	27.8	7.7	7.7	24.9	24.9	63.7	63.7	4.4	4.4	7.9	6	90	89	821446	812063	<0.2	1.4	1.4					
SR1A	Fine	Moderate	12:35	5.1	Surface	1.0	-	-	29.1	29.1	7.8	7.8	15.1	15.1	88.7	88.8	6.3	6.3	4.2	6	-	-	819974	812659	-	-	-	-				
						1.0	-	-	29.1	29.1	7.8	7.8	15.1	15.1	88.8	88.8	6.3	6.3	4.2	5	-	-	819974	812659	-	-	-	-				
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	6.3	4.2	6	-	-	819974	812659	-	-	-	-	
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	6.3	4.2	5	-	-	819974	812659	-	-	-	-	
					Bottom	4.1	-	-	29.0	29.0	7.8	7.8	19.3	19.4	84.0	84.0	5.8	5.8	4.4	6	-	-	4.4	6	-	-	819974	812659	-	-	-	-
						4.1	-	-	29.0	29.0	7.8	7.8	19.4	19.4	83.9	83.9	5.8	5.8	4.4	5	-	-	4.4	5	-	-	819974	812659	-	-	-	-
SR2	Fine	Moderate	12:43	4.6	Surface	1.0	0.2	335	29.2	29.2	7.8	7.8	18.1	18.1	88.2	88.2	6.1	6.1	4.1	5	85	87	821444	814177	<0.2	1.4	1.4					
						1.0	0.2	308	29.2	29.2	7.8	7.8	18.1	18.1	88.2	88.2	6.1	6.1	4.1	6	84	87	821444	814177	<0.2	1.5	1.5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	6.1	4.1	5	-	-	821444	814177	<0.2	1.4	1.4		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.1	6.1	4.1	4	-	-	821444	814177	<0.2	1.5	1.5		
					Bottom	3.6	0.3	334	29.0	29.0	7.8	7.8	20.3	20.3	88.9	89.1	6.1	6.1	4.1	6	88	87	4.1	5	-	-	821444	814177	<0.2	1.5	1.5	
						3.6	0.3	307	29.0	29.0	7.8	7.8	20.2	20.3	89.2	89.1	6.1	6.1	4.1	5	89	87	4.1	4	-	-	821444	814177	<0.2	1.3	1.3	
SR3	Fine	Moderate	11:54	8.6	Surface	1.0	0.2	215	29.3	29.3	7.6	7.6	9.4	9.0	73.5	73.5	5.4	5.4	6.0	6	-	-	822149	807578	-	-	-	-				
						1.0	0.2	218	29.2	29.2	7.6	7.6	8.6	9.0	73.4	73.5	5.4	5.4	5.9	5	-	-	822149	807578	-	-	-	-				
					Middle	4.3	0.2	211	28.9	28.9	7.7	7.7	15.3	15.3	72.3	72.3	5.1	5.1	5.3	5	-	-	5.3	5	-	-	822149	807578	-	-	-	
						4.3	0.2	228	28.9	28.9	7.7	7.7	15.2	15.3	72.2	72.3	5.1	5.1	5.3	5	-	-	5.3	5	-	-	822149	807578	-	-	-	
					Bottom	7.6	0.1	212	28.7	28.7	7.7	7.7	17.8	17.8	71.5	71.6	5.0	5.0	7.6	4	-	-	7.6	4	-	-	822149	807578	-	-	-	
						7.6	0.1	221	28.7	28.7	7.7	7.7	17.8	17.8	71.7	71.7	5.0	5.0	7.9	6	-	-	7.9	6	-	-	822149	807578	-	-	-	
SR4A	Sunny	Calm	13:10	8.0	Surface	1.0	0.4	255	29.8	29.8	8.0	8.0	20.6	20.6	81.9	81.8	5.6	5.6	7.1	4	-	-	817176	807830	-	-	-	-				
						1.0	0.4	277	29.8	29.8	8.0	8.0	20.6	20.6	81.7	81.7	5.5	5.5	7.2	4	-	-	7.2	4	-	-	817176	807830	-	-	-	
					Middle	4.0	0.4	250	29.1	29.1	8.0	8.0	26.8	26.8	63.3	63.3	4.2	4.2	9.2	3	-	-	9.2	3	-	-	817176	807830	-	-	-	
						4.0	0.4	266	29.1	29.1	8.0	8.0	26.8	26.8	63.3	63.3	4.2	4.2	9.2	4	-	-	9.2	4	-	-	817176	807830	-	-	-	
					Bottom	7.0	0.4	273	28.9	28.9	8.0	8.0	29.5	29.5	63.7	63.8	4.2	4.2	12.5	5	-	-	12.5	5	-	-	817176	807830	-	-	-	
						7.0	0.4	275	28.9	28.9	8.0	8.0	29.5	29.5	63.8	63.8	4.2	4.2	12.4	4	-	-	12.4	4	-	-	817176	807830	-	-	-	
SR5A	Sunny	Calm	13:27	4.8	Surface	1.0	0.2	300	29.7	29.7	8.0	8.0	21.5	21.5	88.7	88.7	6.0	6.0	6.0	5	-	-	816572	810680	-	-	-	-				
						1.0	0.3	302	29.7	29.7	8.0	8.0	21.5	21.5	88.6	88.6	6.0	6.0	6.0	4	-	-	6.0	4	-	-	816572	810680	-	-		

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

Water Quality Monitoring Results on 10 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
C1	Fine	Moderate	08:46	8.9	Surface	1.0	0.1	211	28.8	28.8	8.2	8.2	17.0	17.0	94.9	94.9	6.7	6.6	7.6	3	84	86	86	86	86	86	815605	804225	<0.2	1.5	1.4						
						1.0	0.1	231	28.8	8.2	8.2	17.0	17.0	94.8	94.8	6.7	6.6	7.6	4	84	86	86	86	86	86	86	86	815605	804225	<0.2	1.3	1.4					
					Middle	4.5	0.2	187	28.4	28.4	8.2	8.2	19.5	19.5	91.9	91.9	6.4	6.4	7.3	5	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
						4.5	0.2	188	28.4	28.4	8.2	8.2	19.5	19.5	91.9	91.9	6.4	6.4	7.3	5	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
					Bottom	7.9	0.4	221	28.1	28.1	8.2	8.2	22.1	22.1	89.4	89.4	6.2	6.2	7.7	7	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
						7.9	0.4	224	28.1	28.1	8.2	8.2	22.1	22.1	89.4	89.4	6.2	6.2	7.7	8	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
C2	Sunny	Moderate	10:58	10.8	Surface	1.0	0.3	122	29.1	29.1	8.1	8.1	15.2	15.2	97.2	97.1	6.9	5.8	3.8	5	83	83	83	83	83	83	825662	806959	<0.2	1.4	1.4						
						1.0	0.3	132	29.1	29.1	8.1	8.1	15.2	15.2	96.9	96.9	6.8	5.8	3.8	5	83	83	83	83	83	83	83	83	83	83	83	83	83	83			
					Middle	5.4	0.3	126	27.7	27.7	8.0	8.0	23.8	23.8	68.1	68.2	4.7	4.7	3.9	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
						5.4	0.3	126	27.7	27.7	8.0	8.0	23.7	23.7	68.2	68.2	4.7	4.7	3.9	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					Bottom	9.8	0.3	80	27.5	27.5	8.0	8.0	25.3	25.3	64.9	65.2	4.5	4.5	13.0	4	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
						9.8	0.3	83	27.4	27.4	8.0	8.0	25.3	25.3	65.4	65.4	4.5	4.5	13.0	5	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
C3	Sunny	Moderate	08:16	12.3	Surface	1.0	0.2	266	27.7	27.7	8.0	8.0	24.5	24.5	80.0	80.1	5.5	6.5	2.7	4	83	84	84	84	84	84	822100	817793	<0.2	1.4	1.6						
						1.0	0.2	276	27.7	27.7	8.0	8.0	24.6	24.6	80.2	80.2	5.5	6.5	2.7	5	84	84	84	84	84	84	84	84	84	84	84	84	84	84			
					Middle	6.2	0.2	306	28.8	28.8	8.1	8.1	18.8	18.8	106.0	106.0	7.4	7.4	2.4	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
						6.2	0.2	314	28.8	28.8	8.1	8.1	18.8	18.8	106.0	106.0	7.4	7.4	2.4	5	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
					Bottom	11.3	0.2	33	28.6	28.6	8.1	8.1	19.6	19.6	100.4	100.6	7.0	7.0	2.4	6	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92		
						11.3	0.2	34	28.6	28.6	8.1	8.1	19.5	19.5	100.7	100.7	7.0	7.0	2.4	6	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91		
IM1	Fine	Moderate	09:12	5.1	Surface	1.0	0.3	21	28.8	28.8	8.2	8.2	16.0	16.0	95.7	95.6	6.8	6.8	8.3	6	81	81	81	81	81	81	817937	807154	<0.2	1.3	1.3						
						1.0	0.3	22	28.8	28.8	8.2	8.2	16.0	16.0	95.5	95.5	6.8	6.8	8.4	7	81	81	81	81	81	81	81	81	81	81	81	81	81				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.1	0.3	32	28.2	28.2	8.1	8.1	19.4	19.4	85.9	85.9	6.0	6.0	12.1	5	84	84	84	84	84	84	84	84	84	84	84	84	84	84	84		
						4.1	0.3	35	28.2	28.2	8.1	8.1	19.4	19.4	85.9	85.9	6.0	6.0	12.1	6	85	85	85	85	85	85	85	85	85	85	85	85	85	85	85		
IM2	Fine	Moderate	09:20	7.2	Surface	1.0	0.5	176	29.2	29.2	8.1	8.1	14.9	14.9	92.2	92.1	6.5	6.2	8.2	5	85	85	85	85	85	85	818175	806170	<0.2	4.5	2.5						
						1.0	0.5	183	29.2	29.2	8.1	8.1	14.9	14.9	92.0	92.0	6.5	6.2	8.2	5	85	85	85	85	85	85	85	85	85	85	85	85	85				
					Middle	3.6	0.0	216	28.4	28.4	8.1	8.1	18.0	18.0	84.3	84.3	5.9	5.9	8.5	6	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
						3.6	0.0	232	28.4	28.4	8.1	8.1	18.0	18.0	84.2	84.2	5.9	5.9	8.6	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89			
					Bottom	6.2	0.1	44	28.0	28.0	8.1	8.1	20.7	20.7	82.4	82.4	5.7	5.7	10.1	7	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
						6.2	0.1	47	28.0	28.0	8.1	8.1	20.7	20.7	82.6	82.6	5.8	5.8	10.0	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
IM3	Fine	Moderate	09:30	7.3	Surface	1.0	0.8	199	29.1	29.1	8.1	8.1	14.7	14.7	95.1	95.1	6.7	6.0	8.8	5	84	85	85	85	85	85	818792	805598	<0.2	1.2	1.4						
						1.0	0.8	218	29.1	29.1	8.1	8.1	14.7	14.7	95.0	95.0	6.7	6.0	8.8	4	85	85	85	85	85	85	85	85	85	85	85	85					
					Middle	3.7	0.8	200	27.9	27.9	8.0	8.0	21.7	21.7	75.6	75.6	5.3	5.3	15.2	5	87	87	87	87	87	87	87	87	87	87	87	87	87	87			
						3.7	0.8	200	27.9	27.9	8.0	8.0	21.7	21.7	75.6	75.6	5.3	5.3	15.2	6	88	88	88	88	88	88	88	88	88	88	88	88	88				
					Bottom	6.3	0.3	216	27.7	27.7	8.0	8.0	22.4	22.4	77.4	77.4	5.4	5.4	16.9	5	89	89	89	89	89	89	89	89	89	89	89	89	89	89			
						6.3	0.4	226	27.7	27.7	8.0	8.0	22.4	22.4	77.4	77.4	5.4	5.4	16.9	6	90	90	90	90	90	90	90	90	90	90	90	90	90				
IM4	Fine	Moderate	09:40	7.4	Surface	1.0	0.8	177	29.0	29.0	8.1	8.1	15.9	15.9	85.8	85.6	6.1	5.8	10.5	6	84	85	85	85	85	85	819720	804630	<0.2	1.8	1.7						
						1.0	0.9	193	29.0	29.0	8.1	8.1	15.9	15.9	85.4	85.4	6.0	5.8	10.5	4	85	85	85	85	85	85	85	85	85	85	85						
					Middle	3.7	0.9	190	28.2	28.1	8.0	8.0	19.8	19.8	78.1	78.1	5.5	5.5	13.8	5	87	87	87	87	87	87	87	87	87	87	87	87	87				
						3.7	0.9	206	28.1	28.1	8.0	8.0	19.8	19.8	78.0	78.1	5.5	5.5	14.0	5	88	88	88	88	88	88	88	88	88	88	88	88					
					Bottom	6.4	0.2	201	27.7	27.7	8.0	8.0	22.7	22.7	75.5	75.5	5.2	5.2	20.5	4	90	90	90	90	90	90	90	90	90	90	90	90	90				
						6.4	0.2	208	27.7	27.7	8.0	8.0	22.7	22.7	75.5	75.5	5.2	5.2	20.5	4	90	90	90	90	90	90	90	90	90	90	90	90					
IM5	Fine	Moderate	09:55	7.0	Surface	1.0	0.8	192	29.0	29.0	8.1	8.1	14.1	14.1	92.3	92.2	6.6	6.2	8.9	3	85	86	86	86	86	86	820747	804844	<0.2	1.7	1.6						
						1.0																															

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

Water Quality Monitoring Results on 10 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	16:29	7.7	Surface	1.0	0.1	68	29.3	29.3	8.3	8.3	18.4	18.4	99.6	99.4	6.9	6.3	8.9	10.8	5	6	85	88	815625	804237	<0.2	1.3	1.5			
						1.0	0.1	76	29.3	29.3	8.3	8.1	18.4	20.7	99.1	98.7	6.9	6.3	8.9	10.1	5	6	85	88	815625	804237	<0.2	1.3	1.5			
						3.9	0.1	50	28.3	28.3	8.1	8.1	20.7	20.7	82.7	82.7	5.7	5.7	10.1	10.1	5	6	89	90	815625	804237	<0.2	1.2	1.3			
					3.9	0.1	51	28.3	28.3	8.1	8.1	20.7	20.7	82.6	82.6	5.7	5.7	10.1	10.1	5	6	90	90	815625	804237	<0.2	1.3	1.3				
					6.7	0.1	32	27.8	27.8	8.1	8.1	23.5	23.5	82.1	82.2	5.7	5.7	13.2	13.2	6	6	90	90	815625	804237	<0.2	1.8	1.8				
					6.7	0.1	30	27.8	27.8	8.1	8.1	23.5	23.5	82.3	82.3	5.7	5.7	13.4	13.4	7	7	91	91	815625	804237	<0.2	1.8	1.8				
C2	Fine	Moderate	15:07	8.5	Surface	1.0	0.2	76	29.1	29.1	8.1	8.1	15.2	15.2	99.0	99.0	7.0	6.8	3.7	4.3	5	6	85	89	825685	806943	<0.2	1.5	1.4			
						1.0	0.2	78	29.1	29.1	8.1	8.1	15.2	15.2	98.9	98.9	7.0	6.8	3.7	4.3	5	6	86	89	825685	806943	<0.2	1.4	1.4			
						4.3	0.3	70	29.0	29.0	8.1	8.1	15.8	15.8	94.0	93.8	6.6	6.6	3.8	3.8	7	7	89	89	825685	806943	<0.2	1.4	1.2			
					4.3	0.3	76	29.0	29.0	8.1	8.1	15.8	15.8	93.6	93.6	6.6	6.6	3.8	3.8	7	7	89	89	825685	806943	<0.2	1.2	1.2				
					7.5	0.1	29	27.6	27.7	8.0	8.0	24.8	24.8	65.7	65.8	4.5	4.5	5.5	5.5	6	6	93	93	825685	806943	<0.2	1.2	1.2				
					7.5	0.1	26	27.7	27.7	8.0	8.0	24.8	24.8	65.8	65.8	4.5	4.5	5.3	5.3	6	6	93	93	825685	806943	<0.2	1.4	1.4				
C3	Fine	Moderate	16:48	10.8	Surface	1.0	0.1	311	28.8	28.8	8.2	8.2	19.2	19.2	104.1	104.3	7.2	6.3	3.3	3.6	6	5	85	89	822092	817814	<0.2	1.6	1.6			
						1.0	0.1	319	28.8	28.8	8.2	8.1	19.2	19.2	104.5	104.5	7.3	6.3	3.4	3.6	5	5	85	89	822092	817814	<0.2	1.4	1.4			
						5.4	0.3	350	27.9	27.9	8.1	8.1	22.8	22.8	78.6	78.7	5.4	5.4	3.8	3.7	4	4	89	88	822092	817814	<0.2	1.4	1.5			
					5.4	0.3	355	27.9	27.9	8.1	8.1	22.8	22.8	78.7	78.7	5.4	5.4	3.7	3.7	5	5	88	88	822092	817814	<0.2	1.5	1.5				
					9.8	0.1	282	27.4	27.4	8.2	8.2	26.6	26.7	71.3	71.2	4.9	4.9	3.7	3.8	5	5	93	92	822092	817814	<0.2	1.8	1.8				
					9.8	0.1	288	27.3	27.3	8.2	8.2	26.8	26.8	71.1	71.1	4.9	4.9	3.8	3.8	5	5	92	92	822092	817814	<0.2	1.7	1.7				
IM1	Sunny	Moderate	16:08	4.6	Surface	1.0	0.2	22	29.6	29.6	8.1	8.1	12.6	12.6	98.2	98.1	7.0	7.0	8.6	8.5	4	4	84	86	817936	807110	<0.2	4.9	4.8			
						1.0	0.2	23	29.6	29.6	8.1	8.1	12.6	12.6	98.0	98.0	7.0	7.0	8.6	8.5	5	4	85	86	817936	807110	<0.2	5.1	4.8			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.6	0.1	299	28.7	28.7	8.0	8.0	16.7	16.7	92.6	92.7	6.5	6.5	8.3	8.3	4	4	88	88	817936	807110	<0.2	4.7	4.5				
					3.6	0.1	323	28.7	28.7	8.0	8.0	16.7	16.7	92.7	92.7	6.5	6.5	8.3	8.3	4	4	88	88	817936	807110	<0.2	4.5	4.5				
					1.0	0.8	60	29.7	29.7	8.1	8.1	12.4	12.4	99.2	99.2	7.1	6.6	8.7	8.6	6	5	85	88	818166	806172	<0.2	1.4	1.6				
IM2	Sunny	Moderate	15:59	6.7	Surface	1.0	0.8	68	29.7	29.7	8.1	8.1	12.4	12.4	99.1	99.1	7.0	6.6	8.7	8.6	6	5	85	88	818166	806172	<0.2	1.6	1.6			
						3.4	0.8	64	28.6	28.6	8.1	8.1	16.8	16.8	88.4	88.4	6.2	6.2	8.4	8.4	4	4	88	89	818166	806172	<0.2	1.6	1.6			
						3.4	0.8	63	28.6	28.6	8.1	8.1	16.8	16.8	88.3	88.3	6.2	6.2	8.4	8.4	4	4	89	90	818166	806172	<0.2	1.6	1.6			
					5.7	0.3	42	28.4	28.4	8.0	8.0	18.4	18.4	87.7	87.7	6.2	6.2	8.8	8.8	5	5	90	90	818166	806172	<0.2	1.6	1.6				
					5.7	0.4	44	28.4	28.4	8.0	8.0	18.4	18.4	87.7	87.7	6.2	6.2	8.8	8.8	6	6	90	90	818166	806172	<0.2	1.6	1.6				
					1.0	0.7	51	28.9	28.9	8.0	8.0	14.5	14.5	87.8	87.8	6.3	6.0	8.4	8.4	5	6	85	86	818766	805605	<0.2	1.4	1.6				
IM3	Sunny	Moderate	15:50	6.8	Surface	1.0	0.7	55	28.9	28.9	8.0	8.0	14.5	14.5	87.7	87.7	6.2	6.0	8.4	9.1	6	6	86	88	818766	805605	<0.2	1.6	1.6			
						3.4	0.6	60	28.3	28.3	8.0	8.0	18.7	18.7	82.6	82.6	5.8	5.8	8.8	8.8	6	6	88	89	818766	805605	<0.2	1.4	1.4			
						3.4	0.7	69	28.3	28.3	8.0	8.0	18.7	18.6	82.6	82.6	5.8	5.8	8.8	8.8	6	6	88	89	818766	805605	<0.2	1.6	1.6			
					5.8	0.2	35	28.2	28.2	8.0	8.0	19.6	19.6	84.3	84.3	5.9	5.9	10.1	10.1	5	5	90	90	818766	805605	<0.2	1.6	1.6				
					5.8	0.2	38	28.2	28.2	8.0	8.0	19.6	19.6	84.2	84.3	5.9	5.9	10.1	10.1	5	5	91	91	818766	805605	<0.2	1.7	1.7				
					1.0	1.1	48	29.3	29.3	8.1	8.1	12.1	12.3	91.1	91.0	6.5	6.3	9.2	9.2	5	6	86	86	819743	804588	<0.2	1.6	1.6				
IM4	Sunny	Moderate	15:40	7.0	Surface	1.0	1.2	49	29.3	29.3	8.1	8.1	12.5	12.3	90.9	90.9	6.5	6.3	9.2	9.3	6	6	86	88	819743	804588	<0.2	1.6	1.6			
						3.5	0.9	57	28.5	28.5	8.1	8.1	16.7	16.7	85.0	85.0	6.0	6.0	9.0	9.0	6	6	88	88	819743	804588	<0.2	1.7	1.7			
						3.5	1.0	61	28.5	28.5	8.1	8.1	16.7	16.7	85.0	85.0	6.0	6.0	9.0	9.0	7	7	88	88	819743	804588	<0.2	1.7	1.7			
					6.0	0.3	50	28.3	28.3	8.0	8.0	18.5	18.5	84.5	84.6	5.9	5.9	9.6	9.6	5	5	89	89	819743	804588	<0.2	4.8	4.8				
					6.0	0.3	49	28.3	28.3	8.0	8.0	18.5	18.5	84.6	84.6	5.9	5.9	9.6	9.6	5	5	90	90	819743	804588	<0.2	4.7	4.7				
					1.0	1.0	43	29.1	29.1	8.1	8.1	12.3	12.3	89.3	89.2	6.4	6.2	8.8	8.8	5	4	85	88	820752	804880	<0.2	5.2	5.1				
IM5	Sunny	Moderate	15:31	6.5	Surface	1.0	1.1	45	29.0	29.0	8.1	8.1	12.3	12.3	89.1	89.1	6.4	6.2	8.8	8.7	5	4	85	88	820752	804880	<0.2	5.1	5.1			
						3.3	1.0	52	28.6	28.6	8.1	8.1	16.7	16.6	85.1	85.1	6.0	6.0	8.7	8.6	3	4	88	88	820752	804880	<0.2	5.3	5.3			
						3.3	1.0	53	28.5	28.5	8.1	8.1	16.6	16.6	85.1	85.1	6.0	6.0	8.6	8.6	4	4	88	89	820752	804880	<0.2	5.2	5.2			
					5.5	0.5	65	28.3	28.3	8.0	8.0	18.5	18.5	85.1	85.1	6.0	6.0	8.5	8.5	3	3	89	89	820752	804880	<0.2	5.4	5.4				
					5.5	0.6	69	28.3	28.3	8.0	8.0	18.5	18.5	85.1	85.1	6.0	6.0	8.5	8.5	4	4	90	90	820752	804880	<0.2	5.3	5.3				
					1.0	0.4	41	29.5	29.5	8.2	8.2	11.2	11.2	98.4	98.3	7.1	6.5	10.1	10.2	4	4	84	85	821071	805843	<0.2	5.2	5.4				
IM6	Sunny	Moderate	15:24																													

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

Water Quality Monitoring Results on 10 August 19 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	15:32	7.3	Surface	1.0	1.1	301	29.2	29.2	8.1	8.1	13.7	13.7	99.1	99.1	7.1	4.2	4	86	89	822086	808799	<0.2	1.8	<0.2	1.8					
						1.0	1.2	298	29.2	8.1	8.1	13.7	13.7	99.0	99.0	7.0	4.2	4	85	89	822086	808799	<0.2	1.9								
						3.7	1.1	316	28.8	8.1	8.1	16.2	16.2	86.7	86.7	6.1	3.4	4	90	89	822086	808799	<0.2	1.7								
					Middle	6.3	0.3	294	27.6	27.6	8.0	8.0	24.9	25.0	69.8	70.2	4.8	3.6	6	93	89	822086	808799	<0.2	1.8							
						6.3	0.3	275	27.6	27.6	8.0	8.0	25.0	25.0	70.5	70.5	4.8	3.7	5	93	89	822086	808799	<0.2	1.8							
						1.0	0.2	280	29.2	29.2	8.1	8.1	13.6	13.6	99.5	99.5	7.1	4.2	5	85	89	822086	808799	<0.2	1.5							
IM10	Fine	Moderate	15:39	7.5	Surface	1.0	0.2	275	29.2	29.2	8.1	8.1	13.6	13.6	99.4	99.4	7.1	4.2	6	85	89	822380	809774	<0.2	1.4	<0.2	1.6					
						3.8	0.5	289	28.9	29.0	8.1	8.1	16.3	16.2	89.6	89.8	6.3	3.6	4	90	89	822380	809774	<0.2	1.7							
						3.8	0.5	276	29.0	29.0	8.1	8.1	16.1	16.1	89.9	89.9	6.3	3.6	3	89	89	822380	809774	<0.2	1.7							
					Middle	6.5	0.2	263	27.9	27.9	8.0	8.0	20.9	21.1	71.5	71.6	5.0	3.0	3	93	89	822380	809774	<0.2	1.7							
						6.5	0.2	271	27.8	27.8	8.0	8.0	21.2	21.2	71.6	71.6	4.9	3.0	4	93	89	822380	809774	<0.2	1.6							
						1.0	0.9	262	29.1	29.1	8.2	8.2	14.7	14.7	98.3	98.2	7.0	4.0	5	85	89	822380	809774	<0.2	1.7							
IM11	Fine	Moderate	15:49	8.3	Surface	1.0	0.9	266	29.1	29.1	8.2	8.2	14.7	14.7	98.3	98.2	7.0	4.0	5	85	89	822076	811451	<0.2	1.5	<0.2	1.6					
						4.2	0.8	248	28.4	28.4	8.1	8.1	20.3	20.1	81.9	82.1	5.7	3.3	5	89	89	822076	811451	<0.2	1.5							
						4.2	0.9	265	28.4	28.4	8.1	8.1	20.0	20.0	82.2	82.2	5.7	3.3	5	90	89	822076	811451	<0.2	1.6							
					Middle	7.3	0.4	243	27.6	27.6	8.1	8.1	24.4	24.4	68.2	68.3	4.7	4.5	4	90	89	822076	811451	<0.2	1.6							
						7.3	0.4	249	27.6	27.6	8.1	8.1	24.4	24.4	68.4	68.3	4.7	4.6	4	93	89	822076	811451	<0.2	1.5							
						1.0	0.9	222	29.2	29.2	8.2	8.2	15.6	15.6	100.7	100.6	7.1	3.7	3	85	89	822076	811451	<0.2	1.6							
IM12	Fine	Moderate	15:55	7.8	Surface	1.0	0.9	246	29.2	29.2	8.2	8.2	15.6	15.6	100.5	100.6	7.1	3.7	4	86	89	821456	812049	<0.2	1.6	<0.2	1.6					
						3.9	0.5	236	28.5	28.5	8.1	8.1	19.1	19.0	84.0	84.1	5.9	5.6	4	89	89	821456	812049	<0.2	1.7							
						3.9	0.5	238	28.5	28.5	8.1	8.1	19.0	19.0	84.1	84.1	5.9	5.5	4	90	89	821456	812049	<0.2	1.7							
					Middle	6.8	0.3	229	27.6	27.6	8.0	8.0	23.8	23.8	65.8	65.8	4.5	13.9	5	93	89	821456	812049	<0.2	1.4							
						6.8	0.4	227	27.6	27.6	8.0	8.0	23.8	23.8	65.8	65.8	4.5	14.4	5	94	89	821456	812049	<0.2	1.4							
						1.0	-	-	29.1	29.1	8.2	8.2	17.1	17.1	99.4	99.3	7.0	4.2	6	-	-	819972	812662	-	-							
SR1A	Fine	Moderate	16:14	5.6	Surface	1.0	-	-	29.0	29.0	8.2	8.2	17.1	17.1	99.1	99.1	6.9	7.0	4	-	-	819972	812662	-	-	-	-					
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		
					Middle	4.6	-	-	28.2	28.2	8.1	8.1	20.9	20.9	79.7	79.8	5.5	4.2	5	-	-	-	-	-	-			-	-	-		
						4.6	-	-	28.1	28.1	8.1	8.1	21.0	20.9	79.9	79.9	5.6	4.2	6	-	-	-	-	-	-			-	-	-		
						1.0	0.4	278	29.1	29.1	8.2	8.2	17.0	17.0	102.3	102.4	7.2	4.2	5	86	89	821482	814181	<0.2	1.5							
SR2	Fine	Moderate	16:26	5.0	Surface	1.0	0.5	280	29.1	29.1	8.2	8.2	16.9	17.0	102.5	102.5	7.2	4.2	6	85	89	821482	814181	<0.2	1.6	<0.2	1.6					
						4.0	0.2	260	28.2	28.2	8.1	8.1	20.7	20.7	80.7	80.8	5.6	4.0	4	89	89	821482	814181	<0.2	1.6							
						4.0	0.2	241	28.2	28.2	8.1	8.1	20.7	20.7	80.9	80.9	5.6	4.1	5	89	89	821482	814181	<0.2	1.6							
					Middle	1.0	0.2	22	29.2	29.2	8.2	8.2	13.5	13.5	99.4	99.4	7.1	4.1	4	-	-	-	-	-	-			-	-			
						4.4	0.5	18	28.7	28.7	8.1	8.1	18.7	18.7	84.0	84.0	5.9	3.2	4	-	-	-	-	-	-			-	-			
						4.4	0.5	19	28.6	28.6	8.1	8.1	18.7	18.7	83.9	83.9	5.9	3.2	4	-	-	-	-	-	-			-	-			
SR3	Fine	Moderate	15:21	8.8	Surface	1.0	0.2	21	29.2	29.2	8.2	8.2	13.5	13.5	99.4	99.4	7.1	4.1	4	-	-	-	-	-	-							
						4.4	0.5	18	28.7	28.7	8.1	8.1	18.7	18.7	84.0	84.0	5.9	3.2	4	-	-	-	-	-	-	-						
						7.8	0.2	25	27.5	27.5	8.0	8.0	25.4	25.4	67.3	67.4	4.6	6.0	3	-	-	-	-	-	-	-						
					Middle	7.8	0.2	27	27.5	27.5	8.0	8.0	25.5	25.4	67.5	67.4	4.6	6.4	4	-	-	-	-	-	-	-	-					
						1.0	0.7	262	29.6	29.6	8.3	8.3	18.4	18.4	113.3	113.1	7.8	8.1	4	-	-	-	-	-	-	-	-					
						1.0	0.8	285	29.6	29.6	8.3	8.3	18.4	18.4	112.9	112.9	7.8	8.1	4	-	-	-	-	-	-	-	-					
SR4A	Fine	Moderate	16:48	8.0	Surface	4.0	0.8	268	28.1	28.1	8.1	8.1	21.2	21.2	83.2	83.2	5.8	9.6	4	-	-	-	-	-	-							
						4.0	0.8	274	28.1	28.1	8.1	8.1	21.3	21.2	83.2	83.2	5.8	9.6	5	-	-	-	-	-	-	-						
						7.0	0.4	249	27.8	27.8	8.1	8.1	23.9	23.8	85.6	85.7	5.9	10.6	6	-	-	-	-	-	-	-						
					Middle	7.0	0.4	249	27.8	27.8	8.1	8.1	23.8	23.8	85.8	85.7	5.9	10.6	5	-	-	-	-	-	-	-	-					
						1.0	0.4	290	29.5	29.5	8.3	8.3	18.4	18.4	116.6	116.5	8.0	7.9	4	-	-	-	-	-	-	-	-					
						1.0	0.4	294	29.5	29.5	8.3	8.3	18.4	18.4	116.4	116.4	8.0	7.9	5	-	-	-	-	-	-	-	-					
SR5A	Fine	Calm	17:08	4.8	Surface	3.8	0.4	307	28.4	28.4	8.1	8.1	20.5	20.5	95.1	95.3	6.6	9.0	4	-	-	-	-	-								
						3.8	0.4	316	28.4	28.4	8.1	8.1	20.5	20.5	95.5	95.5	6.6	9.0	6	-	-	-	-	-	-							
						1.0	0.1	297	29.4	29.4	8.3	8.3	18.4	18.4	107.5	107.3	7.4	8.4	5	-	-	-	-	-	-	-						
					Middle	1.0	0.1	322	29.4	29.4	8.3	8.3	18.4	18.4	107.1	107.3	7.4	8.4	6	-	-	-	-	-	-	-	-					
						2.9	0.1	299	28.4	28.4	8.1	8.1	20.4	20.4	99.9	100.1	6.9	9.2	4	-	-	-	-	-	-	-						
						2.9	0.1	303	28.4	28.4	8.1	8.1	20.4	20.4	100.3	100.1	7.0	9.2	5	-	-	-	-	-	-	-						
SR6A	Fine	Calm	17:51	3.9	Surface	1.0	0.4	268	28.9	28.9	8.3	8.3	18.5	18.5	107.3	107.4	7.5	3.3	6	-	-	-	-	-	-							
						1.0	0.4	271	28.9	28.9	8.3	8.3	18.5	18.5	107.4	107.4	7.5	3.3	5	-	-	-	-	-	-	-						
						7.2	0.2	201	28.7	28.7	8.3	8.3	19.3	19.3	101.8	101.7	7.1	3.0	6	-	-	-	-	-	-	-						
					Middle	7.2	0.2	200	28.7	28.																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Cloudy	Rough	11:24	7.8	Surface	1.0	0.2	236	30.3	30.3	8.0	8.0	15.7	15.7	96.4	96.3	6.7	6.7	3.7	3	83	87	<0.2	1.4	815613	804255	<0.2	1.4	1.2					
						1.0	0.2	244	30.3	8.0	8.0	15.7	15.7	96.1	96.3	6.6	6.6	3.6	4	83	87	<0.2	1.4											
					Middle	3.9	0.1	44	28.6	28.6	7.9	7.9	24.6	24.6	67.1	67.0	4.5	4.5	9.3	4	87	87	<0.2	1.0										
						3.9	0.1	44	28.5	28.5	7.9	7.9	24.7	24.7	66.9	67.0	4.5	4.5	9.3	4	87	87	<0.2	1.0										
					Bottom	6.8	0.1	65	27.9	27.9	7.9	7.9	30.5	30.4	58.8	59.1	3.9	3.9	10.8	5	91	92	<0.2	1.0										
						6.8	0.2	67	27.9	27.9	7.9	7.9	30.4	30.4	59.3	59.1	3.9	3.9	10.9	5	92	92	<0.2	1.0										
C2	Cloudy	Moderate	10:11	11.1	Surface	1.0	0.4	160	29.7	29.7	7.8	7.8	16.4	16.4	83.0	82.9	5.8	5.8	5.1	4	85	88	<0.2	1.8	825681	806951	<0.2	1.6	2.3					
						1.0	0.4	170	28.7	28.7	7.8	7.8	16.4	16.4	82.8	82.9	5.0	5.0	4	85	87	<0.2	1.8											
					Middle	5.6	0.3	171	28.8	28.8	7.8	7.8	20.9	20.9	71.0	70.8	4.9	4.9	6.4	4	88	88	<0.2	2.7										
						5.6	0.3	185	28.7	28.7	7.8	7.8	20.9	20.9	70.5	70.5	4.9	4.9	6.7	4	88	90	<0.2	2.6										
					Bottom	10.1	0.4	154	27.8	27.8	7.8	7.8	29.5	29.5	55.5	55.6	3.7	3.7	8.4	4	90	90	<0.2	2.3										
						10.1	0.4	164	27.8	27.8	7.8	7.8	29.5	29.5	55.7	55.6	3.7	3.7	8.4	4	90	90	<0.2	2.3										
C3	Cloudy	Moderate	12:06	11.9	Surface	1.0	0.3	257	29.8	29.8	7.9	7.9	19.6	19.6	93.6	93.6	6.4	6.4	2.7	4	85	88	<0.2	1.0	822101	817822	<0.2	0.9	1.8					
						1.0	0.3	269	29.8	29.8	7.9	7.9	19.6	19.6	93.5	93.6	6.4	6.4	2.8	3	86	88	<0.2	0.9										
					Middle	6.0	0.3	229	29.4	29.4	7.9	7.8	21.2	21.2	79.5	79.0	5.4	5.4	3.9	4	88	89	<0.2	2.6										
						6.0	0.3	250	29.4	29.4	7.8	7.8	21.2	21.2	78.5	78.5	5.3	5.3	4.1	3	89	90	<0.2	2.8										
					Bottom	10.9	0.3	139	28.0	28.0	7.8	7.8	28.5	28.5	62.9	63.0	4.2	4.2	8.1	2	89	89	<0.2	1.7										
						10.9	0.3	144	28.0	28.0	7.8	7.8	28.5	28.5	63.1	63.0	4.2	4.2	8.1	3	89	89	<0.2	2.0										
IM1	Cloudy	Moderate	10:54	5.4	Surface	1.0	0.5	229	30.3	30.3	8.0	8.0	15.8	15.8	95.8	95.7	6.6	6.6	4.1	4	83	88	<0.2	0.6	817959	807154	<0.2	0.6	0.9					
						1.0	0.6	250	30.3	30.3	8.0	8.0	15.8	15.8	95.5	95.7	6.6	6.6	4.1	4	84	88	<0.2	0.6										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-
					Bottom	4.4	0.3	232	28.8	28.9	7.9	7.9	23.7	23.6	68.1	68.3	4.6	4.6	7.2	3	92	93	<0.2	1.3										
						4.4	0.3	247	28.9	28.9	7.9	7.9	23.6	23.6	68.4	68.3	4.6	4.6	7.2	2	93	93	<0.2	1.1										
IM2	Cloudy	Moderate	10:49	7.3	Surface	1.0	0.5	211	30.1	30.1	8.0	8.0	16.4	16.4	92.1	92.0	6.4	6.4	4.5	2	83	88	<0.2	1.0	818163	806165	<0.2	0.8	1.1					
						1.0	0.6	216	30.1	30.1	8.0	8.0	16.4	16.4	91.9	92.0	6.3	6.3	4.5	4	84	88	<0.2	1.0										
					Middle	3.7	0.4	190	28.5	28.5	7.9	7.9	25.4	25.3	61.9	62.1	4.2	4.2	8.3	4	88	88	<0.2	1.0										
						3.7	0.4	190	28.5	28.5	7.9	7.9	25.3	25.3	62.2	62.1	4.2	4.2	8.3	5	88	92	<0.2	1.4										
					Bottom	6.3	0.3	109	27.8	27.9	7.9	7.9	29.5	29.5	57.0	57.2	3.8	3.8	10.7	4	92	92	<0.2	1.3										
						6.3	0.3	110	27.9	27.9	7.9	7.9	29.5	29.5	57.3	57.2	3.8	3.8	10.7	5	92	92	<0.2	1.3										
IM3	Cloudy	Moderate	10:43	7.2	Surface	1.0	0.3	201	30.0	30.0	8.0	8.0	16.8	16.7	89.0	89.0	6.1	6.1	4.8	3	83	88	<0.2	1.4	818781	805595	<0.2	1.4	1.4					
						1.0	0.3	208	30.0	30.0	8.0	8.0	16.7	16.7	89.0	89.0	6.1	6.1	4.9	4	83	88	<0.2	1.4										
					Middle	3.6	0.3	161	28.3	28.3	7.9	7.9	26.5	26.7	63.4	63.5	4.3	4.3	8.3	2	88	88	<0.2	1.5										
						3.6	0.3	169	28.3	28.3	7.9	7.9	26.9	26.7	63.6	63.5	4.3	4.3	8.3	3	88	91	<0.2	1.2										
					Bottom	6.2	0.2	106	28.2	28.2	7.9	7.9	24.7	24.9	59.9	59.9	4.1	4.1	10.5	4	91	92	<0.2	1.5										
						6.2	0.2	115	28.1	28.1	7.9	7.9	25.2	24.9	59.8	59.9	4.1	4.1	10.6	5	92	92	<0.2	1.4										
IM4	Cloudy	Moderate	10:37	7.7	Surface	1.0	0.2	211	30.2	30.2	8.0	8.0	15.8	15.8	92.1	91.9	6.4	6.4	3.7	3	84	88	<0.2	1.6	819735	804616	<0.2	1.5	1.4					
						1.0	0.2	218	30.2	30.2	8.0	8.0	15.8	15.8	91.7	91.7	3.8	3.8	<2	3	84	88	<0.2	1.5										
					Middle	3.9	0.1	184	29.4	29.4	7.9	7.9	19.3	19.2	78.7	78.8	5.4	5.4	5.0	2	88	88	<0.2	1.1										
						3.9	0.1	195	29.4	29.4	7.9	7.9	19.1	19.2	78.9	78.8	5.4	5.4	5.0	3	88	91	<0.2	1.0										
					Bottom	6.7	0.3	115	28.7	28.7	7.9	7.9	22.6	22.6	67.8	67.8	4.6	4.6	10.3	3	91	92	<0.2	1.6										
						6.7	0.3	118	28.7	28.7	7.9	7.9	22.6	22.6	67.7	67.8	4.6	4.6	10.3	<2	92	92	<0.2	1.6										
IM5	Cloudy	Moderate	10:30	7.9	Surface	1.0	0.9	210	30.1	30.1	8.0	8.0	15.1	15.1	92.5	92.5	6.4	6.4	3.8	3	84	88	<0.2	1.4	820741	804864	<0.2	1.5	1.4					
						1.0	0.9	224	30.1	30.1	8.0	8.0	15.1	15.1	92.4	92.5	3.8	3.8	4	84	88	<0.2	1.5											
					Middle	4.0	0.9	221	29.7	29.7	8.0	8.0	16.6	16.6	85.9	85.9	6.0	6.0	4.2	4	87	88	<0.2	1.2										
						4.0	0.9	228	29.7	29.7	8.0	8.0	16.6	16.6	85.9	85.9	6.0	6.0	4.2	3	88	92	<0.2	1.2										
					Bottom	6.9	0.6	208	28.2	28.2	7.9	7.9	26.8	26.8	58.2	58.3	3.9	3.9	14.1	3	92	92	<0.2	1.6										
						6.9	0.6	222	28.2	28.2	7.9	7.9	26.8	26.8	58.3	58.3	3.9	3.9	14.0	3	92	92	<0.2	1.5										
IM6	Cloudy	Moderate	10:22	8.0	Surface	1.0	0.5	187	30.1	30.1	8.0	8.0	15.1	15.2	91.8	91.7	6.4	6.4	4.5	4	83	88	<0.2	1.5	821041	805809	<0.2	1.7	1.5					
						1.0	0.5	202	30.0	30.0	8.0	8.0	15.2	15.2	91.5	91.6	4.6	4.6	4	83	88	<0.2	1.7											
					Middle	4.0	0.6	208	29.5	29.5	7.9	7.9	18.0	18.0	79.1	78.9	5.5	5.5	5.6	<2	3	88	88	<0.2			1.5							
						4.0	0.6	211	29.5	29.5	7.9	7.9	18.0	18.0	78.6	78.9	5.4	5.4	5.7	3	88	93	<0.2	1.7										
					Bottom	7.0	0.2	174	28.6	28.6	7.9	7.9	24.0	24.0	63.2	63.3	4.3	4.3	10.5	<2	93	93	<0.2	1.2										
						7.0	0.2	189	28.6	28.6	7.9	7.9	24.0	24.0	63.3	63.3	4.3	4.3	10.5	3	93	93	<0.2	1.5										
IM7	Cloudy	Moderate	10:10	8.1	Surface	1.0	0.4	225	29.9	29.9	8.0	8.0	16.1	16.1	91.7	91.6	6.4	6.4	4.4	3	83	88	<0.2	1.5	821335	806839	<0.2	1.3	1.4					
						1.0	0.5	236	29.9	29.9	8.0	8.0	16.1	16.1	91.5	91.6	4.4	4.4	2	84	88	<0.												

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 August 19 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	10:58	6.6	Surface	1.0	0.3	75	30.0	30.0	7.8	7.8	16.3	16.3	89.9	89.9	6.2	4.8	3	86	88	822110	808797	<0.2	1.3	<0.2	1.5							
						1.0	0.3	80	30.0	7.8	7.8	16.3	16.3	89.8	89.8	6.2	4.8	4	85	88														
					Middle	3.3	0.3	70	29.6	29.6	7.8	7.8	16.5	16.5	85.3	85.3	5.9	6.3	4	87	88													
						3.3	0.3	75	29.6	29.6	7.8	7.8	16.5	16.5	85.2	85.2	5.9	6.5	4	88	88													
					Bottom	5.6	0.3	112	29.2	29.2	7.8	7.8	21.5	21.4	72.5	72.6	4.9	8.0	3	90	90													
						5.6	0.3	120	29.2	29.2	7.8	7.8	21.4	21.4	72.7	72.6	5.0	8.0	4	90	90													
IM10	Cloudy	Moderate	11:05	7.7	Surface	1.0	0.5	94	30.0	30.0	7.8	7.8	16.9	16.9	89.9	89.9	6.2	3.9	<2	86	88	822386	809795	<0.2	2.3	<0.2	2.2							
						1.0	0.5	94	29.9	29.9	7.8	7.8	16.9	16.9	89.8	89.8	6.2	3.9	3	85	88													
					Middle	3.9	0.5	96	29.7	29.7	7.8	7.8	17.2	17.2	84.6	84.5	5.9	4.1	3	89	88													
						3.9	0.6	99	29.6	29.6	7.8	7.8	17.2	17.2	84.4	84.5	5.8	4.2	4	88	88													
					Bottom	6.7	0.4	109	29.1	29.1	7.8	7.8	22.6	22.6	70.3	70.4	4.8	8.6	2	90	90													
						6.7	0.5	109	29.1	29.1	7.8	7.8	22.6	22.6	70.4	70.4	4.8	8.6	3	90	90													
IM11	Cloudy	Moderate	11:16	7.7	Surface	1.0	0.6	111	30.0	30.0	7.8	7.8	16.2	16.2	90.8	90.7	6.3	4.2	3	86	88	822047	811462	<0.2	2.4	<0.2	2.0							
						1.0	0.7	111	30.0	30.0	7.8	7.8	16.3	16.2	90.6	90.7	6.3	4.3	4	85	88													
					Middle	3.9	0.5	106	29.3	29.3	7.8	7.8	19.1	19.1	79.4	79.4	5.5	6.2	2	88	88													
						3.9	0.6	107	29.3	29.3	7.8	7.8	19.1	19.1	79.3	79.4	5.5	6.4	3	89	88													
					Bottom	6.7	0.3	135	28.7	28.7	7.8	7.8	25.1	25.1	68.1	68.3	4.6	8.4	3	90	90													
						6.7	0.3	142	28.7	28.7	7.8	7.8	25.1	25.1	68.4	68.3	4.6	8.4	4	90	90													
IM12	Cloudy	Moderate	11:22	8.8	Surface	1.0	0.6	108	29.9	29.9	7.8	7.8	16.6	16.6	91.1	91.0	6.3	5.2	5	86	88	821460	812058	<0.2	1.1	<0.2	1.7							
						1.0	0.6	110	29.9	29.9	7.8	7.8	16.6	16.6	90.9	91.0	6.3	5.3	5	86	88													
					Middle	4.4	0.4	96	29.4	29.4	7.8	7.8	19.3	19.3	78.6	78.7	5.4	8.0	5	89	88													
						4.4	0.4	104	29.4	29.4	7.8	7.8	19.3	19.3	78.7	78.7	5.4	8.0	4	88	88													
					Bottom	7.8	0.1	120	29.2	29.2	7.8	7.8	23.1	23.1	70.3	70.4	4.7	9.8	5	90	90													
						7.8	0.1	120	29.2	29.2	7.8	7.8	23.1	23.1	70.5	70.4	4.8	9.7	4	90	90													
SR1A	Cloudy	Moderate	11:35	5.0	Surface	1.0	-	-	30.3	30.3	7.9	7.9	16.3	16.3	96.2	96.2	6.6	3.5	3	-	-	819977	812658	-	-	-	-							
						1.0	-	-	30.3	30.3	7.9	7.9	16.3	16.3	96.1	96.2	6.6	3.5	4	-	-													
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
					Bottom	4.0	-	-	29.6	29.6	7.9	7.9	19.4	19.4	83.5	83.6	5.7	5.3	<2	-	-			-	-			-	-	-	-	-	-	-
						4.0	-	-	29.6	29.6	7.9	7.9	19.4	19.4	83.6	83.6	5.7	5.3	2	-	-			-	-			-	-	-	-	-	-	-
SR2	Cloudy	Moderate	11:44	4.5	Surface	1.0	0.5	86	29.9	29.9	7.9	7.9	16.6	16.6	93.9	93.6	6.5	4.2	2	86	88	821468	814152	<0.2	1.5	<0.2	1.4							
						1.0	0.5	93	29.8	29.8	7.9	7.9	16.6	16.6	93.2	93.6	6.5	4.3	<2	87	88													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
					Bottom	3.5	0.2	43	29.7	29.8	7.9	7.9	18.7	18.6	86.5	86.6	5.9	5.9	<2	90	90													
						3.5	0.2	44	29.8	29.9	7.9	7.9	18.7	18.6	86.0	86.6	5.9	4.3	<2	90	90													
SR3	Cloudy	Moderate	10:42	8.2	Surface	1.0	0.1	196	29.9	29.9	7.8	7.8	15.8	15.8	89.0	89.0	6.2	4.6	2	-	-	822135	807555	-	-	-	-							
						1.0	0.2	204	29.9	29.9	7.8	7.8	15.8	15.8	89.0	89.0	6.2	4.5	3	-	-													
					Middle	4.1	0.2	174	29.6	29.6	7.8	7.8	17.8	17.8	83.1	83.1	5.7	7.2	2	-	-													
						4.1	0.2	184	29.5	29.6	7.8	7.8	17.8	17.8	83.0	83.1	5.7	7.2	3	-	-													
					Bottom	7.2	0.2	187	29.1	29.1	7.8	7.8	22.3	22.3	71.0	71.0	4.8	7.2	3	-	-													
						7.2	0.2	190	29.1	29.1	7.8	7.8	22.3	22.3	71.0	71.0	4.8	7.2	4	-	-													
SR4A	Cloudy	Rough	11:57	9.8	Surface	1.0	0.1	340	30.1	30.1	8.1	8.1	15.9	15.9	97.9	97.8	6.8	5.1	5	-	-	817172	807786	-	-	-	-							
						1.0	0.1	357	30.1	30.1	8.1	8.1	15.9	15.9	97.7	97.8	6.8	5.1	5	-	-													
					Middle	4.9	0.2	241	28.5	28.5	7.9	7.9	25.0	24.9	58.0	58.1	3.9	13.9	3	-	-													
						4.9	0.2	250	28.5	28.5	7.9	7.9	24.9	24.9	58.2	58.1	3.9	14.0	4	-	-													
					Bottom	8.8	0.2	244	28.0	28.0	7.9	7.9	29.2	29.2	54.6	54.9	3.6	18.0	4	-	-													
						8.8	0.2	246	28.0	28.0	7.9	7.9	29.2	29.2	55.2	54.9	3.7	17.9	6	-	-													
SR5A	Cloudy	Moderate	12:13	5.2	Surface	1.0	0.1	337	30.8	30.8	8.1	8.1	16.4	16.4	104.3	104.5	7.1	3.3	4	-	-	816585	810709	-	-	-	-							
						1.0	0.1	310	30.8	30.8	8.1	8.1	16.4	16.4	104.6	104.5	7.1	3.4	4	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	
					Bottom	4.2	0.2	98	30.9	30.9	8.1	8.1	16.6	16.6	105.3	105.3	7.2	5.7	2	-	-													
						4.2	0.2	104	30.9	30.9	8.1	8.1	16.6	16.6	105.2	105.3	7.2	5.7	3	-	-													
SR6A	Cloudy	Moderate	12:39	5.1	Surface	1.0	0.1	294	30.1	30.1	8.0	8.0	17.6	17.6	89.3	89.2	6.1	9.7	4	-	-	817942	814746	-	-	-	-							
						1.0	0.1	300	30.0	30.0	8.0	8.0	17.7	17.6	89.0	89.2	6.1	9.6	4	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	
					Bottom	4.1	0.1	299	29.8	29.8	8.0	8.0	19.1	19.1	84.7	84.8	5.8	10.2	3	-	-													
						4.1	0.1	305	29.8	29.8	8.0	8.0	19.1	19.1	84.9	84.8	5.8	10.3	<2	-	-													
SR7	Cloudy	Moderate	12:38	16.6	Surface	1.0	0.7	103	30.5	30.5	7.9	7.9	17.1	17.1	108.4	108.3	7.4	3.2	<2	-	-	823625	823753	-	-	-	-							
						1.0	0.7	111	30.5	30.5	7.9	7.9	17.2	17.1	108.2	108.3	7.4	3.2	2	-	-													
					Middle	8.3	0.3	135	30.0	30.0	7.9	7.9	18.3	18.3	98.0	98.0	6.7	2.9	3	-	-													
						8.3	0.3	139	30.0	30.0	7.9	7.9	18.3	18.3	98.0	98.0	6.7	3.0	2	-	-													
					Bottom	15.6	0.4	128	29.5	29.5	7.9	7.9	21.0	20.9	89.1</																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 August 19 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	04:41	7.5	Surface	1.0	0.3	26	29.8	29.8	8.0	8.0	15.8	15.8	92.0	92.0	6.4	6.4	5.4	5.4	4	4	83	88	88	815615	804243	<0.2	1.2	<0.2	1.4						
						1.0	0.4	25	29.8	8.0	8.0	15.8	15.8	91.9	91.9	6.4	6.4	5.4	5.4	4	4	83	88	<0.2				1.4									
					Middle	3.8	0.3	69	29.8	29.8	8.0	8.0	16.1	16.1	89.2	89.1	6.2	6.2	8.7	8.6	4	4	88	88				<0.2	1.5								
						3.8	0.3	71	29.8	29.8	8.0	8.0	16.1	16.1	88.9	88.9	6.2	6.2	8.6	8.6	4	4	88	88				<0.2	1.4								
						6.5	0.2	72	27.8	27.8	7.9	7.9	30.7	30.7	55.0	55.2	3.6	3.6	10.4	10.4	4	4	91	91				<0.2	1.5								
						6.5	0.2	72	27.8	27.8	7.9	7.9	30.7	30.7	55.3	55.3	3.7	3.7	10.4	10.4	3	3	92	92				<0.2	1.4								
C2	Cloudy	Moderate	06:10	12.6	Surface	1.0	0.4	16	29.9	29.9	7.9	7.9	16.3	16.3	85.5	85.5	5.9	5.9	5.4	5.4	4	4	86	84	88	825689	806933	<0.2	2.4	<0.2	2.2						
						1.0	0.4	17	29.9	29.9	7.9	7.9	16.3	16.3	85.4	85.4	5.9	5.9	5.4	5.4	4	4	84	89				<0.2	1.2								
					Middle	6.3	0.3	17	29.4	29.4	7.8	7.8	20.7	20.7	73.3	73.2	5.0	5.0	5.7	5.8	3	3	87	87				<0.2	1.6								
						6.3	0.3	18	29.4	29.4	7.8	7.8	20.7	20.7	73.1	73.1	5.0	5.0	5.8	5.8	3	3	87	87				<0.2	1.7								
						11.6	0.4	15	27.9	28.0	7.8	7.8	29.3	29.3	57.1	57.2	3.8	3.8	8.7	8.7	5	5	90	90				<0.2	2.0								
						11.6	0.4	16	28.0	28.0	7.8	7.8	29.3	29.3	57.3	57.3	3.8	3.8	8.7	8.7	4	4	90	90				<0.2	1.7								
C3	Cloudy	Moderate	04:10	12.3	Surface	1.0	0.2	78	30.0	30.0	7.9	7.9	16.6	16.6	95.4	95.3	6.6	6.6	3.1	3.1	3	3	85	86	88	822113	817782	<0.2	1.1	<0.2	1.2						
						1.0	0.2	78	30.0	30.0	7.9	7.9	16.6	16.6	95.2	95.2	6.6	6.6	3.1	3.1	2	2	86	88				<0.2	1.1								
					Middle	6.2	0.5	252	28.1	28.1	7.8	7.8	27.0	26.9	65.0	64.9	4.4	4.4	2.7	2.7	<2	<2	2	2				88	89		<0.2	1.2					
						6.2	0.5	275	28.1	28.1	7.8	7.8	26.8	26.9	64.7	64.4	4.4	4.4	2.7	2.7	<2	<2	2	2				89	91		<0.2	1.1					
						11.3	0.1	275	27.3	27.3	7.8	7.8	30.4	30.4	51.2	51.3	3.4	3.4	4.8	4.8	<2	<2	2	2				91	90		<0.2	1.8					
						11.3	0.1	276	27.3	27.3	7.8	7.8	30.4	30.4	51.4	51.4	3.4	3.4	4.9	4.9	2	2	90	90				<0.2	1.6								
IM1	Cloudy	Rough	05:10	5.2	Surface	1.0	0.3	211	30.1	30.1	8.0	8.0	15.8	15.8	94.1	94.1	6.5	6.5	5.4	5.5	5	4	84	88	89	817963	807119	<0.2	1.2	<0.2	1.2						
						1.0	0.3	214	30.1	30.1	8.0	8.0	15.8	15.8	94.1	94.1	6.5	6.5	5.5	5.5	4	4	88	89				<0.2	1.2								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-
						4.2	0.1	98	29.7	29.7	7.9	7.9	18.8	18.0	82.9	83.2	5.7	5.8	9.2	9.1	5	5	91	91				<0.2	1.3								
						4.2	0.1	106	29.6	29.6	7.9	7.9	17.3	18.0	83.4	83.4	5.8	5.8	9.1	9.1	6	6	91	91				<0.2	1.2								
IM2	Cloudy	Rough	05:16	6.9	Surface	1.0	0.3	31	30.2	30.2	8.0	8.0	15.7	15.7	94.4	94.4	6.5	6.5	4.8	4.8	6	5	85	86	89	818147	806183	<0.2	1.1	<0.2	1.0						
						1.0	0.3	32	30.2	30.2	8.0	8.0	15.7	15.7	94.3	94.3	6.5	6.5	4.8	4.8	5	5	86	89				<0.2	1.1								
					Middle	3.5	0.2	33	27.9	27.9	7.9	7.9	29.5	29.5	54.3	54.3	3.6	3.6	9.3	9.3	6	6	89	89				<0.2	1.1								
						3.5	0.2	35	27.9	27.9	7.9	7.9	29.5	29.5	54.3	54.3	3.6	3.6	9.3	9.3	6	6	89	89				<0.2	1.1								
						5.9	0.3	65	27.8	27.8	7.9	7.9	29.9	29.9	54.2	54.2	3.6	3.6	11.4	11.4	6	6	93	93				<0.2	1.0								
						5.9	0.3	68	27.8	27.8	7.9	7.9	29.9	29.9	54.2	54.2	3.6	3.6	11.5	11.5	6	6	94	94				<0.2	0.9								
IM3	Cloudy	Rough	05:23	6.8	Surface	1.0	0.3	58	30.0	30.0	8.0	8.0	15.7	15.7	92.4	92.3	6.4	6.4	3.5	3.5	6	5	85	85	89	818767	805612	<0.2	1.4	<0.2	1.4						
						1.0	0.3	60	30.0	30.0	8.0	8.0	15.7	15.7	92.2	92.2	6.4	6.4	3.5	3.5	5	5	85	89				<0.2	1.2								
					Middle	3.4	0.4	51	29.4	29.4	8.0	8.0	18.7	18.8	81.5	81.6	5.6	5.6	4.8	4.9	4	4	89	90				<0.2	1.3								
						3.4	0.4	52	29.4	29.4	8.0	8.0	18.7	18.8	81.6	81.6	5.6	5.6	4.9	4.9	4	4	90	90				<0.2	1.2								
						5.8	0.2	55	28.7	28.7	7.9	7.9	22.9	22.9	71.0	70.9	4.8	4.8	5.7	5.7	4	4	93	93				<0.2	1.1								
						5.8	0.3	56	28.7	28.7	7.9	7.9	22.9	22.9	70.8	70.8	4.8	4.8	5.8	5.8	5	5	93	93				<0.2	1.3								
IM4	Cloudy	Moderate	05:31	7.5	Surface	1.0	0.4	47	30.0	30.0	8.0	8.0	15.5	15.5	92.8	92.8	6.4	6.4	3.9	3.9	7	8	85	86	89	819740	804589	<0.2	1.4	<0.2	1.2						
						1.0	0.4	44	30.0	30.0	8.0	8.0	15.5	15.5	92.7	92.7	6.4	6.4	3.9	3.9	8	8	86	88				<0.2	1.3								
					Middle	3.8	0.3	38	29.1	29.1	7.9	7.9	22.8	22.4	69.8	69.8	4.7	4.7	5.6	5.7	6	6	88	88				<0.2	1.3								
						3.8	0.3	32	29.1	29.1	7.9	7.9	22.0	22.4	69.7	69.7	4.8	4.8	5.7	5.7	6	6	88	88				<0.2	1.3								
						6.5	0.2	39	28.0	28.0	7.9	7.9	28.3	28.3	57.9	58.1	3.9	3.9	11.2	11.2	6	6	92	92				<0.2	1.3								
						6.5	0.2	37	28.0	28.0	7.9	7.9	28.4	28.3	58.3	58.3	3.9	3.9	11.2	11.2	6	6	92	92				<0.2	1.4								
IM5	Cloudy	Moderate	05:39	8.0	Surface	1.0	0.5	33	30.0	30.0	8.0	8.0	15.5	15.4	93.1	92.9	6.5	6.5	4.2	4.2	4	5	88	89	92	820736	804851	<0.2	1.3	<0.2	1.3						
						1.0	0.5	33	29.9	29.9	8.0	8.0	15.3	15.4	92.6	92.6	6.5	6.5	4.2	4.2	5	5	89	92				<0.2	1.3								
					Middle	4.0	0.3	40	29.8	29.9	7.9	7.9	17.8	17.8	85.2	85.3	5.9	5.9	4.4	4.4	6	6	92	93				<0.2	1.2								
						4.0	0.3	35	29.9	29.9	8.0	7.9	17.9	17.8	85.4	85.3	5.9	5.9	4.5	4.5	5	5	93	93				<0.2	1.1								
						7.0	0.3	47	28.8	28.8	7.9	7.9	18.6	18.6	74.9	74.1	5.2	5.2	8.3	8.3	5	5	93	94				<0.2	1.3								
						7.0	0.3	43	28.7	28.8	7.9	7.9	18.7	18.6	73.2	74.1	5.1	5.2	8.3	8.3	5	5	94	94				<0.2	1.3								
IM6	Cloudy	Moderate	05:47	7.8	Surface	1.0	0.3	22	29.7	29.7	7.9	7.9	16.1	16.1	89.2	89.0	6.2	6.2	5.4	5.4	5	5	86	87	89	821040	805817	<0.2	1.1	<0.2	1.1						
						1.0	0.4	23	29.6	29.7	7.9	7.9	16.1	16.1	88.8	88.8	6.2	6.2	5.4	5.4	5	5	87	88				<0.2	1.2								
					Middle	3.9	0.2	24	29.2	29.2	7.9	7.9	19.3	19.3	75.5	75.5	5.2	5.2	7.4	7.4	4	4	88	88				<0.2	1.2								
						3.9	0.2	24	29.2	29.2	7.9	7.9	19.2	19.3	75.5	75.5	5.2	5.2	7.4	7.4	5	5	88	88				<0.2	1.2								
						6.8	0.2	52	28.6	28.6																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	12:12	8.1	Surface	1.0	0.2	233	29.2	29.2	8.1	8.1	21.9	21.9	76.2	76.3	5.2	5.1	6.8	6	6	85	88	88	815624	804248	<0.2	1.3	1.3	1.3				
						1.0	0.2	251	29.2	8.1	8.1	21.9	21.9	76.3	76.3	5.2	5.2	6.9	6	6	86	88	88	88	88	88	<0.2	1.3	1.3	1.3				
						4.1	0.1	54	29.1	8.1	8.1	22.2	22.2	75.4	75.3	5.1	5.1	8.6	7	7	89	89	89	89	89	89	<0.2	1.2	1.2	1.2				
					Middle	4.1	0.2	59	29.1	8.1	8.1	22.2	22.2	75.2	75.2	5.1	5.1	8.9	7	7	90	90	90	90	90	90	90	90	<0.2	1.3	1.3	1.3		
						7.1	0.0	69	29.1	8.2	8.2	22.2	22.2	75.5	75.5	5.1	5.1	9.9	6	6	90	90	90	90	90	90	90	90	<0.2	1.2	1.2	1.2		
						7.1	0.0	75	29.1	8.2	8.2	22.2	22.2	75.5	75.5	5.1	5.1	10.2	6	6	90	90	90	90	90	90	90	90	<0.2	1.1	1.1	1.1		
					Bottom	7.1	0.0	136	30.0	8.0	8.0	17.1	17.1	78.7	78.7	5.4	5.4	4.6	5	5	87	87	87	87	87	87	87	87	<0.2	1.1	1.1	1.1		
						1.0	0.6	144	30.0	30.0	8.0	8.0	17.1	17.1	78.7	78.7	5.4	5.4	4.6	5	5	87	87	87	87	87	87	87	87	<0.2	1.1	1.1	1.1	
						5.3	0.5	150	29.7	29.7	8.0	8.0	19.1	19.1	71.2	71.1	4.9	4.9	4.7	4	4	89	89	89	89	89	89	89	89	<0.2	1.3	1.3	1.3	
C2	Cloudy	Moderate	11:37	10.6	Surface	5.3	0.5	164	29.7	29.7	8.0	8.0	19.1	19.1	71.0	71.0	4.9	4.7	4	4	89	89	89	89	89	89	89	89	<0.2	1.1	1.1	1.1		
						5.3	0.5	164	29.7	29.7	8.0	8.0	19.1	19.1	71.0	71.0	4.9	4.7	4	4	89	89	89	89	89	89	89	89	<0.2	1.1	1.1	1.1		
						9.6	0.5	146	29.1	29.1	8.0	8.0	22.4	22.4	61.2	61.1	4.2	4.2	8.9	6	6	91	91	91	91	91	91	91	91	<0.2	1.2	1.2	1.2	
					Middle	9.6	0.6	149	29.1	29.1	8.0	8.0	22.4	22.4	60.9	61.1	4.1	4.2	9.7	6	6	91	91	91	91	91	91	91	91	<0.2	0.9	0.9	0.9	
						1.0	0.3	83	29.2	29.2	8.2	8.2	21.9	21.9	76.3	76.3	5.2	5.2	4.1	7	7	86	86	86	86	86	86	86	86	<0.2	1.2	1.2	1.2	
						1.0	0.3	91	29.2	29.2	8.2	8.2	21.9	21.9	76.2	76.3	5.2	5.2	4.1	6	6	86	86	86	86	86	86	86	86	<0.2	1.2	1.2	1.2	
					Bottom	6.3	0.2	27	29.0	29.0	8.3	8.3	22.3	22.3	69.4	69.3	4.7	4.7	4.5	6	6	88	88	88	88	88	88	88	88	<0.2	1.2	1.2	1.2	
						6.3	0.2	29	29.0	29.0	8.3	8.3	22.3	22.3	69.1	69.3	4.7	4.7	4.7	4	4	89	89	89	89	89	89	89	89	<0.2	1.0	1.0	1.0	
						11.5	0.2	21	27.9	27.9	8.3	8.3	26.6	26.6	68.1	68.4	4.6	4.6	8.4	6	6	90	90	90	90	90	90	90	90	<0.2	1.1	1.1	1.1	
IM1	Cloudy	Moderate	12:06	5.6	Surface	1.0	0.5	221	30.1	30.1	8.0	8.0	18.1	18.1	88.8	89.0	6.1	6.1	4.2	4	4	85	85	85	87	87	87	87	<0.2	1.0	1.0	1.0		
						1.0	0.6	238	30.1	30.1	8.0	8.0	18.1	18.1	88.1	89.0	6.1	6.1	4.2	4	4	85	85	85	85	85	85	85	85	<0.2	1.3	1.3	1.3	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	4.6	0.3	230	30.0	30.0	8.0	8.0	18.2	18.2	89.0	89.0	6.1	6.1	6.4	2	2	88	88	88	88	88	88	88	88	<0.2	1.1	1.1	1.1	
						4.6	0.3	248	30.0	30.0	8.0	8.0	18.2	18.2	88.9	89.0	6.1	6.1	6.4	2	2	89	89	89	89	89	89	89	89	<0.2	1.0	1.0	1.0	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	1.0	0.5	210	29.8	29.8	8.0	8.0	17.9	17.9	82.3	82.0	5.7	5.7	4.4	3	3	85	85	85	85	85	85	85	85	<0.2	1.4	1.4	1.4	
						1.0	0.6	226	29.8	29.8	8.0	8.0	17.9	17.9	81.7	81.7	5.6	5.6	4.7	4	4	85	85	85	85	85	85	85	85	<0.2	1.3	1.3	1.3	
						3.8	0.4	199	29.7	29.7	8.0	8.0	18.6	18.6	79.5	79.5	5.5	5.5	9.6	5	5	88	88	88	88	88	88	88	88	<0.2	1.3	1.3	1.3	
IM2	Cloudy	Moderate	11:59	7.6	Surface	3.8	0.4	215	29.7	29.7	8.0	8.0	18.6	18.6	79.4	79.5	5.5	5.5	9.6	4	4	88	88	88	88	88	88	88	<0.2	1.3	1.3	1.3		
						6.6	0.3	101	29.6	29.6	8.0	8.0	19.1	19.1	79.6	79.8	5.5	5.5	8.1	5	5	89	89	89	89	89	89	89	89	<0.2	1.3	1.3	1.3	
						6.6	0.3	110	29.6	29.6	8.0	8.0	19.1	19.1	79.9	79.8	5.5	5.5	8.1	5	5	90	90	90	90	90	90	90	90	<0.2	1.2	1.2	1.2	
					Middle	1.0	0.3	200	29.8	29.8	8.1	8.1	17.4	17.4	84.3	83.9	5.8	5.8	3.2	6	6	85	85	85	85	85	85	85	85	<0.2	1.5	1.5	1.5	
						1.0	0.3	214	29.8	29.8	8.1	8.1	17.3	17.4	83.4	83.9	5.8	5.8	3.5	5	5	86	86	86	86	86	86	86	86	<0.2	1.3	1.3	1.3	
						3.6	0.3	167	29.7	29.7	8.1	8.1	18.6	18.6	80.7	80.6	5.5	5.5	4.1	5	5	88	88	88	88	88	88	88	88	<0.2	1.3	1.3	1.3	
					Bottom	3.6	0.3	170	29.7	29.7	8.1	8.1	18.7	18.6	80.4	80.6	5.5	5.5	4.5	5	5	89	89	89	89	89	89	89	89	<0.2	1.2	1.2	1.2	
						6.2	0.2	108	29.6	29.6	8.1	8.1	19.1	19.1	82.1	82.6	5.6	5.6	6.8	4	4	90	90	90	90	90	90	90	90	<0.2	1.3	1.3	1.3	
						6.2	0.2	110	29.7	29.6	8.1	8.1	19.1	19.1	83.0	82.6	5.7	5.7	7.2	5	5	90	90	90	90	90	90	90	90	<0.2	1.4	1.4	1.4	
IM3	Cloudy	Moderate	11:49	7.2	Surface	1.0	0.2	210	30.1	30.1	8.0	8.0	17.8	17.8	80.6	80.5	5.5	5.5	3.6	6	6	85	85	85	87	87	87	87	<0.2	1.4	1.4	1.4		
						1.0	0.2	219	30.1	30.1	8.0	8.0	17.8	17.8	80.4	80.5	5.5	5.5	3.7	7	7	86	86	86	86	86	86	86	86	<0.2	1.5	1.5	1.5	
						3.7	0.1	188	29.5	29.5	8.0	8.0	19.8	19.8	74.6	74.6	5.1	5.1	6.2	6	6	88	88	88	88	88	88	88	88	<0.2	1.4	1.4	1.4	
					Middle	3.7	0.1	205	29.5	29.5	8.0	8.0	19.8	19.8	74.6	74.6	5.1	5.1	6.2	7	7	89	89	89	89	89	89	89	89	<0.2	1.3	1.3	1.3	
						6.4	0.3	111	29.5	29.5	8.0	8.0	20.0	20.0	77.3	77.4	5.3	5.3	9.3	4	4	90	90	90	90	90	90	90	90	<0.2	1.2	1.2	1.2	
						6.4	0.3	120	29.5	29.5	8.0	8.0	20.0	20.0	77.5	77.4	5.3	5.3	9.2	5	5	90	90	90	90	90	90	90	90	<0.2	1.2	1.2	1.2	
					Bottom	1.0	0.9	217	29.8	29.8	8.0	8.0	19.3	19.3	77.0	77.0	5.3	5.3	4.3	3	3	85	85	85	85	85	85	85	85	<0.2	1.5	1.5	1.5	
						1.0	1.0	236	29.8	29.8	8.0	8.0	19.3	19.3	77.0	77.0	5.3	5.3	4.3	4	4	86	86	86	86	86	86	86	86	<0.2	1.4	1.4	1.4	
						3.4	0.9	225	29.7	29.7	8.0	8.0	19.4	19.4	75.5	75.3	5.2	5.2	8.5	4	4	88	88	88	88	88	88	88	88	<0.2	1.4	1.4	1.4	
IM4	Cloudy	Moder																																

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
IM9	Cloudy	Moderate	12:05	8.2	Surface	1.0	0.3	103	29.8	29.8	8.0	8.0	19.3	19.3	77.5	77.4	5.3	5.2	3.2	4.9	7	7	85	87	822089	808827	<0.2	1.1	<0.2	1.0							
						1.0	0.3	105	29.8	8.0	8.0	19.3	19.3	77.2	77.5	5.3	5.2	3.3	4.9	6	7	85	88	<0.2			0.9	<0.2	1.0								
						4.1	0.3	111	29.5	8.0	8.0	19.9	19.9	74.9	75.0	5.1	5.1	5.2	6	8	88	89	<0.2	1.0			<0.2	1.0									
					Middle	4.1	0.3	112	29.5	29.5	8.0	8.0	19.9	19.9	74.9	75.0	5.1	5.1	5.2	6	8	88	89	<0.2			1.0	<0.2	1.0								
						7.2	0.2	112	29.5	29.5	8.0	8.0	20.2	20.1	79.3	79.6	5.4	5.5	6.5	6	8	89	89	<0.2			1.0	<0.2	1.0								
						7.2	0.2	117	29.5	29.5	8.0	8.0	20.1	20.1	79.9	79.9	5.5	5.5	6.2	8	8	89	89	<0.2			1.0	<0.2	1.0								
					IM10	Cloudy	Moderate	12:12	8.1	Surface	1.0	0.6	123	30.1	30.1	8.0	8.0	17.8	17.8	83.4	83.5	5.7	5.4	3.8			6.1	5	6	86	89	822388	809816	<0.2	1.0	<0.2	0.9
											1.0	0.6	130	30.1	29.5	8.0	8.0	17.8	17.8	83.5	83.5	5.7	5.4	3.8			6.1	4	6	87	89			<0.2	1.1	<0.2	1.0
											4.1	0.6	128	29.5	29.5	8.0	8.0	20.0	20.0	74.3	74.3	5.1	5.1	6.9			6	6	89	89	<0.2			1.0	<0.2	1.0	
Middle	4.1	0.6	136	29.5						29.5	8.0	8.0	20.0	20.0	74.3	74.3	5.1	5.1	6.9	6	6	89	89	<0.2	1.0	<0.2	1.0										
	7.1	0.5	124	29.5						29.5	8.0	8.0	20.1	20.1	75.3	75.4	5.1	5.2	7.7	7	7	91	91	<0.2	1.0	<0.2	1.0										
	7.1	0.5	124	29.5						29.5	8.0	8.0	20.1	20.1	75.5	75.4	5.1	5.2	7.6	7	7	91	91	<0.2	1.0	<0.2	1.0										
IM11	Cloudy	Moderate	12:22	9.3						Surface	1.0	0.7	128	29.8	29.8	8.2	8.2	17.5	17.5	83.8	83.6	5.8	5.6	4.2	6.1	7	6	86	88	822070	811480			<0.2	0.9	<0.2	1.0
											1.0	0.7	131	29.8	29.7	8.1	8.1	18.9	18.9	83.4	83.4	5.8	5.6	4.4	6.1	4	4	86	88					<0.2	1.0	<0.2	1.0
											4.7	0.7	132	29.7	29.7	8.1	8.1	18.9	18.9	79.4	79.4	5.4	5.4	5.3	4	4	88	88	<0.2					1.0	<0.2	1.0	
					Middle	4.7	0.8	132	29.7	29.7	8.1	8.1	18.9	18.9	79.4	79.4	5.4	5.4	5.4	4	4	88	88	<0.2	1.0	<0.2	1.0										
						8.3	0.5	132	29.6	29.6	8.1	8.1	19.2	19.2	81.5	81.5	5.6	5.6	8.6	4	4	90	90	<0.2	1.0	<0.2	1.0										
						8.3	0.5	138	29.6	29.6	8.1	8.1	19.2	19.2	81.5	81.5	5.6	5.6	8.6	4	4	90	90	<0.2	1.0	<0.2	1.0										
					IM12	Cloudy	Moderate	12:29	8.4	Surface	1.0	0.7	137	29.8	29.8	8.0	8.0	18.0	18.0	81.6	81.4	5.6	5.4	4	12.5	4	5	85	88			821478	812046	<0.2	1.0	<0.2	0.9
											1.0	0.7	138	29.8	29.6	8.0	8.0	18.9	18.9	81.2	81.2	5.6	5.3	4	12.5	4	5	85	89					<0.2	1.0	<0.2	0.9
											4.2	0.5	139	29.6	29.6	8.0	8.0	18.9	18.9	76.5	76.3	5.3	5.2	17.6	5	5	89	89	<0.2					1.0	<0.2	0.9	
Middle	4.2	0.6	152	29.6						29.6	8.0	8.0	18.9	18.9	76.5	76.3	5.2	5.2	17.0	5	5	89	89	<0.2	1.0	<0.2	0.9										
	7.4	0.4	125	29.4						29.4	8.0	8.0	20.0	20.0	75.0	75.1	5.1	5.1	14.8	5	5	90	90	<0.2	1.0	<0.2	0.9										
	7.4	0.5	132	29.4						29.4	8.0	8.0	20.1	20.0	75.1	75.1	5.1	5.1	14.7	5	5	90	90	<0.2	1.0	<0.2	0.9										
SR1A	Cloudy	Calm	12:48	4.9						Surface	1.0	-	-	30.2	30.2	8.1	8.1	18.2	18.2	89.5	89.4	6.1	6.1	4.7	5.5	5	6	-	-	819982	812663			-	-	-	-
											1.0	-	-	30.2	30.2	8.1	8.1	18.2	18.2	89.3	89.4	6.1	6.1	4.7	5.5	6	6	-	-					-	-		
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
						3.9	-	-	30.0	30.0	8.1	8.1	19.1	19.1	91.2	91.4	6.2	6.2	6.3	6	6	-	-	-	-	-	-	-	-			-					
						3.9	-	-	30.0	30.0	8.1	8.1	19.1	19.1	91.6	91.6	6.2	6.2	6.4	6	6	-	-	-	-	-	-	-	-			-					
					SR2	Cloudy	Moderate	12:58	4.6	Surface	1.0	0.8	95	30.1	30.1	8.1	8.1	16.8	16.8	90.4	90.0	6.2	6.2	3.1	5.1	6	6	84	87			821446	814171	<0.2	1.0	<0.2	0.9
											1.0	0.8	98	30.1	29.7	8.1	8.1	16.8	16.8	89.6	89.6	6.2	6.2	3.1	5.1	6	6	84	89					<0.2	1.0	<0.2	1.1
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	3.6	0.6	95	29.7						29.7	8.0	8.0	18.9	18.9	88.4	88.6	6.1	6.1	7.1	6	6	88	89	<0.2	1.0	<0.2	1.0										
	3.6	0.6	99	29.7						29.7	8.0	8.0	18.9	18.9	88.8	88.8	6.1	6.1	7.2	7	7	89	89	<0.2	1.0	<0.2	1.1										
SR3	Cloudy	Moderate	11:53	9.4						Surface	1.0	0.1	186	29.7	29.7	8.0	8.0	18.7	18.7	77.7	77.6	5.3	5.2	3.2	5.7	6	5	-	-	822162	807590			-	-	-	-
											1.0	0.1	190	29.7	29.5	8.0	8.0	19.4	19.4	77.5	77.5	5.3	5.1	3.4	5.7	7	5	-	-					-	-		
											4.7	0.2	154	29.5	29.5	8.0	8.0	19.5	19.4	74.2	74.2	5.1	5.1	5.6	5	5	-	-	-					-			
					Middle	4.7	0.2	164	29.5	29.5	8.0	8.0	19.5	19.4	74.1	74.1	5.1	5.1	5.9	5	5	-	-	-	-												
						8.4	0.2	155	29.4	29.4	8.0	8.0	20.9	20.9	78.5	78.5	5.4	5.4	8.1	3	3	-	-	-	-												
						8.4	0.2	157	29.4	29.4	8.0	8.0	20.9	20.9	78.9	78.7	5.4	5.4	8.1	4	4	-	-	-	-												
					SR4A	Cloudy	Calm	12:32	8.7	Surface	1.0	0.1	342	29.2	29.2	8.1	8.1	21.9	21.9	76.0	76.0	5.2	5.2	4.9	7.3	6	5	-	-			817194	807833	-	-	-	-
											1.0	0.1	346	29.2	29.2	8.1	8.1	21.9	21.9	76.0	76.0	5.2	5.2	4.9	7.3	5	5	-	-								
											4.4	0.2	243	29.1	29.1	8.1	8.1	22.1	22.1	75.9	75.8	5.1	5.1	6.2	4	4	-	-									
Middle	4.4	0.2	256	29.1						29.1	8.1	8.1	22.1	22.1	75.7	75.5	5.1	5.1	6.1	4	4	-	-														
	7.7	0.2	249	29.1						29.1	8.1	8.1	22.2	22.2	75.5	75.5	5.1	5.1	10.1	5	5	-	-														
	7.7	0.2	249	29.1						29.1	8.1	8.1	22.2	22.2	75.5	75.5	5.1	5.1	11.3	5	5	-	-														
SR5A	Cloudy	Calm	12:55	5.4						Surface	1.0	0.1	332	30.2	30.1	8.2	8.2	19.0	19.0	91.5	91.4	6.2	6.2	5.2	6.3	6	5	-	-	816591	810693			-	-	-	-
											1.0	0.1	357	30.1	30.1	8.2	8.2	19.0	19.0	91.3	91.3	6.2	6.2	5.3	6.3	5	5	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						4.4	0.2	99	29.9	29.9	8.2	8.2	20.0	20.0	90.2	90.4	6.1	6.2	7.3	5	5	-	-														
						4.4	0.2	99	29.9	29.9	8.2	8.2	20.0	20.0	90.6	90.6	6.1	6.2	7.4	4	4	-	-														
					SR6A	Cloudy	Calm	13:10	5.0	Surface	1.0	0.1	299	29.9	29.9	8.2	8.2	19.8	19.8	90.3	90.3	6.1	6														

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 19 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	06:24	8.6	Surface	1.0	0.3	69	29.3	29.3	8.0	8.0	21.1	21.1	78.7	78.3	5.4	5.4	5.4	7.0	5	4	86	88	88	815626	804236	<0.2	1.0	1.2	1.2				
						1.0	0.4	0	29.3	29.3	8.0	8.0	21.1	21.1	77.9	77.9	5.3	5.4	4	3	86	88	<0.2	1.3											
					Middle	4.3	0.2	70	28.5	28.5	8.0	8.0	24.0	24.0	71.7	71.8	4.9	4.3	3	3	88	89	<0.2	1.2											
						4.3	0.3	73	28.5	28.5	8.0	8.0	24.0	24.0	71.9	71.9	4.9	4.3	3	3	89	90	<0.2	1.1											
					Bottom	7.6	0.2	77	28.4	28.4	8.0	8.0	24.4	24.4	73.9	74.0	5.0	11.2	3	4	89	90	<0.2	1.1											
						7.6	0.3	80	28.5	28.5	8.0	8.0	24.4	24.4	74.1	74.1	5.0	11.3	4	4	90	90	<0.2	1.4											
C2	Cloudy	Moderate	07:29	10.3	Surface	1.0	0.2	54	30.0	30.0	8.0	8.0	17.1	17.1	83.8	83.8	5.8	5.8	6.3	8.7	3	3	86	88	88	825661	806926	<0.2	1.0	1.0	1.2				
						1.0	0.2	55	30.0	30.0	8.0	8.0	17.1	17.1	83.7	83.7	5.8	6.4	3	3	86	88	<0.2	0.9											
					Middle	5.2	0.2	66	29.6	29.6	8.0	8.0	19.6	19.6	65.6	65.6	4.5	7.5	3	4	88	88	<0.2	1.1											
						5.2	0.2	69	29.6	29.6	8.0	8.0	19.6	19.6	65.5	65.5	4.5	7.3	4	4	88	89	<0.2	1.0											
					Bottom	9.3	0.1	64	28.4	28.4	8.0	8.0	25.5	25.5	67.1	67.4	4.5	12.4	4	4	89	89	<0.2	1.0											
						9.3	0.1	65	28.5	28.5	8.0	8.0	25.4	25.4	67.7	67.7	4.6	12.4	2	2	89	89	<0.2	1.0											
C3	Rainy	Moderate	05:16	12.7	Surface	1.0	0.2	280	29.4	29.4	8.0	8.0	20.9	20.9	80.4	80.4	5.5	4.3	5.3	5.3	<2	2	85	86	88	822099	817782	<0.2	1.2	1.2	1.2				
						1.0	0.2	285	29.4	29.4	8.0	8.0	20.9	20.9	80.3	80.3	5.5	4.3	2	2	86	88	<0.2	1.2											
					Middle	6.4	0.0	250	28.5	28.5	8.0	8.0	24.1	24.1	69.5	69.3	4.7	6.1	3	3	88	88	<0.2	1.1											
						6.4	0.0	259	28.5	28.5	8.0	8.0	24.1	24.1	69.1	69.3	4.7	6.1	<2	<2	88	88	<0.2	1.0											
					Bottom	11.7	0.1	277	27.0	27.0	8.0	8.0	28.7	28.7	59.4	60.1	4.0	5.6	<2	<2	90	90	<0.2	1.1											
						11.7	0.1	284	27.0	27.0	8.0	8.0	28.7	28.7	60.8	60.8	4.1	5.5	<2	<2	90	90	<0.2	1.2											
IM1	Rainy	Moderate	06:43	5.4	Surface	1.0	0.3	44	29.7	29.7	8.0	8.0	19.8	19.8	83.5	83.5	5.7	4.2	5.8	5.8	2	2	85	85	87	817952	807150	<0.2	1.4	1.4	1.4				
						1.0	0.4	47	29.7	29.7	8.0	8.0	19.8	19.8	83.5	83.5	5.7	4.4	<2	<2	85	85	<0.2	1.4											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	4.4	0.1	69	29.3	29.3	8.0	8.0	21.4	21.4	77.3	77.9	5.3	7.3	3	3	88	88	<0.2	1.4											
						4.4	0.1	73	29.3	29.3	8.0	8.0	21.5	21.4	78.5	78.5	5.3	7.2	4	4	88	88	<0.2	1.3											
IM2	Cloudy	Moderate	06:51	7.9	Surface	1.0	0.3	30	29.8	29.8	8.0	8.0	18.2	18.2	80.4	80.4	5.5	3.5	5.1	5.1	3	3	84	84	87	818156	806157	<0.2	1.4	1.4	1.4				
						1.0	0.3	34	29.8	29.8	8.0	8.0	18.2	18.2	80.4	80.4	5.5	3.5	2	2	84	84	<0.2	1.4											
					Middle	4.0	0.2	39	29.6	29.6	8.0	8.0	19.5	19.5	74.9	74.9	5.1	4.1	3	3	88	88	<0.2	1.4											
						4.0	0.3	40	29.6	29.6	8.0	8.0	19.5	19.5	74.8	74.9	5.1	4.1	3	3	88	88	<0.2	1.4											
					Bottom	6.9	0.3	61	29.0	29.0	7.9	7.9	22.3	22.3	72.0	72.2	4.9	7.8	2	2	89	89	<0.2	1.2											
						6.9	0.3	65	29.0	29.0	7.9	7.9	22.3	22.3	72.3	72.3	4.9	7.5	3	3	89	89	<0.2	1.8											
IM3	Cloudy	Moderate	06:57	7.6	Surface	1.0	0.3	58	29.7	29.7	8.0	8.0	18.1	18.1	81.9	82.0	5.6	8.5	5.4	5.4	2	2	84	85	88	818784	805604	<0.2	1.3	1.2	1.2				
						1.0	0.3	58	29.7	29.7	8.0	8.0	18.1	18.1	82.0	82.0	5.6	8.8	2	2	85	85	<0.2	1.2											
					Middle	3.8	0.4	74	29.6	29.6	7.9	7.9	19.3	19.3	75.6	75.7	5.2	3.4	4	4	89	89	<0.2	1.1											
						3.8	0.4	76	29.6	29.6	7.9	7.9	19.3	19.3	75.7	75.7	5.2	3.5	4	4	89	89	<0.2	1.1											
					Bottom	6.6	0.2	52	29.3	29.3	7.9	7.9	20.8	20.9	76.2	76.7	5.2	5.3	4	4	90	90	<0.2	1.2											
						6.6	0.2	57	29.3	29.3	7.9	7.9	20.9	20.9	77.2	77.2	5.3	5.7	3	3	91	91	<0.2	1.3											
IM4	Cloudy	Moderate	07:06	7.2	Surface	1.0	0.4	49	30.0	30.0	8.0	8.0	17.1	17.1	87.0	86.8	6.0	4.9	5.8	5.8	<2	<2	84	84	87	819746	804622	<0.2	1.2	1.2	1.2				
						1.0	0.4	46	30.0	30.0	8.0	8.0	17.1	17.1	86.5	86.5	6.0	4.6	<2	<2	84	84	<0.2	1.2											
					Middle	3.6	0.3	60	29.8	29.8	8.0	8.0	18.3	18.3	81.8	81.8	5.6	3.8	3	3	88	88	<0.2	1.3											
						3.6	0.3	60	29.8	29.8	8.0	8.0	18.3	18.3	81.7	81.7	5.6	3.8	4	4	88	88	<0.2	1.0											
					Bottom	6.2	0.2	41	29.6	29.6	8.0	8.0	19.1	19.1	79.5	79.5	5.5	6.7	2	2	89	89	<0.2	1.2											
						6.2	0.2	42	29.6	29.6	8.0	8.0	19.2	19.1	80.3	80.3	5.5	6.8	4	4	90	90	<0.2	1.2											
IM5	Cloudy	Moderate	07:13	6.9	Surface	1.0	0.5	42	29.9	29.9	8.0	8.0	17.8	17.8	83.3	83.2	5.7	5.5	5.1	5.1	4	4	85	85	88	820727	804852	<0.2	1.2	1.2	1.2				
						1.0	0.5	42	29.9	29.9	8.0	8.0	17.8	17.8	83.1	83.2	5.7	5.5	3	3	85	85	<0.2	1.3											
					Middle	3.5	0.3	43	29.7	29.7	8.0	8.0	18.4	18.4	82.1	82.1	5.6	3.9	2	2	88	88	<0.2	1.2											
						3.5	0.4	43	29.7	29.7	8.0	8.0	18.5	18.4	82.1	82.1	5.6	4.3	2	2	89	89	<0.2	1.2											
					Bottom	5.9	0.3	49	29.7	29.7	8.0	8.0	18.6	18.6	83.0	83.0	5.7	5.7	2	2	89	89	<0.2	1.3											
						5.9	0.3	47	29.7	29.7	8.0	8.0	18.6	18.6	83.4	83.4	5.7	5.8	2	2	89	89	<0.2	1.2											
IM6	Cloudy	Moderate	07:21	7.5	Surface	1.0	0.3	35	30.0	30.0	8.0	8.0	17.7	17.7	83.9	83.7	5.8	3.3	5.3	5.3	2	2	86	86	88	821075	805809	<0.2	1.3	1.2	1.2				
						1.0	0.4	38	30.0	30.0	8.0	8.0	17.7	17.7	83.4	83.4	5.7	3.5	2	2	86	86	<0.2	1.2											
					Middle	3.8	0.2	44	29.6	29.6	8.0	8.0	19.0	19.0	78.1	78.3	5.4	4.6	3	3	87	87	<0.2	1.2											
						3.8	0.2	48	29.6	29.6	8.0	8.0	19.1	19.0	78.4	78.3	5.4	4.5	2	2	88	88	<0.2	1.3											
					Bottom	6.5	0.2	59	29.5	29.5	8.0	8.0	19.2	19.2	79.3	79.6	5.4	7.9	4	4	90	90	<0.2	1.2											
						6.5	0.2	58	29.5	29.5	8.0	8.0	19.3	19.2	79.9	79.9	5.5	7.9	3	3	90	90	<0.2	1.3											
IM7	Cloudy	Moderate	07:29	7.8	Surface	1.0	0.4	31	29.9	29.9	8.0	8.0	18.0	18.0	79.7	79.6	5.5	3.7	5.4	5.4	<2	<2	85	86	88	821344	806818	<0.2	1.1	1.1	1.1				
						1.0	0.5	33	29.9	29.9	8.0	8.0	18.0	18.0	79.5																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	07:00	8.0	Surface	1.0	0.7	341	30.0	30.0	8.0	8.0	17.3	17.3	88.3	88.3	6.1	6.1	3.2	3.2	<2	<2	85	85	88	822117	808810	<0.2	1.2	<0.2	1.2	
						1.0	0.7	331	30.0	30.0	8.0	8.0	17.3	17.3	88.3	88.3	5.1	5.1	3.3	3.3	<2	<2	85	85				<0.2	1.1			
						4.0	0.6	329	30.0	30.0	8.0	8.0	17.5	17.5	85.1	84.9	5.9	5.8	5.2	5.2	2	2	88	88				<0.2	1.1			
					4.0	0.6	339	29.9	29.9	8.0	8.0	17.5	17.5	84.6	84.6	5.8	5.8	5.2	5.2	2	2	88	88	<0.2				1.0				
					7.0	0.5	318	29.6	29.6	8.0	8.0	18.7	18.7	83.6	83.6	5.7	5.7	6.0	6.0	2	2	90	90	<0.2				1.2				
					7.0	0.6	322	29.6	29.6	8.0	8.0	18.7	18.7	83.6	83.6	5.7	5.7	6.1	6.1	2	2	90	90	<0.2				1.3				
IM10	Cloudy	Moderate	06:51	8.5	Surface	1.0	0.8	331	30.0	30.0	8.0	8.0	17.1	17.1	87.6	87.6	6.0	6.0	3.2	3.2	2	2	85	85	88	822408	809778	<0.2	1.3	<0.2	1.3	
						1.0	0.8	336	30.0	30.0	8.0	8.0	17.1	17.1	87.6	87.6	6.0	6.0	3.3	3.3	2	2	85	85				<0.2	1.4			
						4.3	0.7	327	29.8	29.8	8.0	8.0	18.3	18.3	83.3	83.4	5.7	6.2	6.2	6.2	<2	<2	88	88				<0.2	1.3			
					4.3	0.7	317	29.8	29.8	8.0	8.0	18.3	18.3	83.4	83.4	5.7	6.4	6.4	6.4	<2	<2	88	88	<0.2				1.2				
					7.5	0.5	306	29.5	29.5	8.0	8.0	19.5	19.5	79.4	79.4	5.4	10.6	10.6	10.6	<2	<2	89	89	<0.2				1.3				
					7.5	0.5	308	29.5	29.5	8.0	8.0	19.5	19.5	79.4	79.4	5.4	11.2	11.2	11.2	<2	<2	90	90	<0.2				1.2				
IM11	Cloudy	Moderate	06:36	8.8	Surface	1.0	0.7	312	29.8	29.8	8.0	8.0	17.9	17.9	81.6	81.4	5.6	5.6	4.8	4.8	4	4	84	84	88	822054	811463	<0.2	1.2	<0.2	1.1	
						1.0	0.7	309	29.8	29.8	8.0	8.0	17.9	17.9	81.2	81.2	4.9	4.9	5	5	5	5	85	85				<0.2	1.2			
						4.4	0.5	310	29.5	29.5	7.9	7.9	19.8	19.8	73.8	73.4	5.1	4.7	4.7	4.7	3	3	88	88				<0.2	1.1			
					4.4	0.5	311	29.5	29.5	7.9	7.9	19.8	19.8	72.9	73.0	5.0	5.4	5.4	5.4	4	4	89	89	<0.2				1.1				
					7.8	0.2	297	29.1	29.1	7.9	7.9	22.1	22.1	74.5	74.7	5.1	9.5	9.5	9.5	4	4	90	90	<0.2				1.1				
					7.8	0.2	281	29.1	29.1	7.9	7.9	22.1	22.1	74.8	74.7	5.1	9.6	9.6	9.6	3	3	90	90	<0.2				1.1				
IM12	Rainy	Moderate	06:27	9.1	Surface	1.0	0.3	289	29.8	29.8	8.0	8.0	18.2	18.2	80.0	79.9	5.5	5.5	4.7	4.7	4	4	85	85	87	821437	812056	<0.2	1.2	<0.2	1.1	
						1.0	0.3	274	29.8	29.8	8.0	8.0	18.2	18.2	79.8	79.8	5.5	4.8	4.8	4.8	3	3	85	85				<0.2	1.2			
						4.6	0.2	273	29.1	29.1	7.9	7.9	21.3	21.3	62.8	62.3	4.3	6.3	6.3	6.3	<2	<2	88	88				<0.2	1.1			
					4.6	0.2	278	29.1	29.1	7.9	7.9	21.4	21.3	61.7	62.3	4.2	6.7	6.7	6.7	<2	<2	88	88	<0.2				1.1				
					8.1	0.1	272	28.5	28.5	7.9	7.9	24.3	24.3	58.9	59.0	4.0	18.6	18.6	18.6	2	2	89	89	<0.2				1.1				
					8.1	0.1	269	28.5	28.5	7.9	7.9	24.3	24.3	59.0	59.0	4.0	18.3	18.3	18.3	2	2	89	89	<0.2				1.1				
SR1A	Rainy	Calm	05:55	4.9	Surface	1.0	-	-	29.6	29.6	8.0	8.0	20.0	20.0	82.4	82.5	5.6	5.6	5.4	5.4	4	4	-	-	-	-	-	-	-	-		
						1.0	-	-	29.6	29.6	8.0	8.0	20.0	20.0	82.5	82.5	5.6	5.6	5.5	5.5	5	5	-	-								
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-
					2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	
					3.9	-	-	29.5	29.5	8.0	8.0	20.5	20.5	77.9	77.9	5.3	4.7	4.7	4.7	3	3	-	-									
					3.9	-	-	29.5	29.5	8.0	8.0	20.5	20.5	77.9	77.9	5.3	4.5	4.5	4.5	2	2	-	-									
SR2	Rainy	Moderate	05:43	5.4	Surface	1.0	0.1	289	29.8	29.7	8.0	8.0	19.5	19.5	84.1	83.9	5.7	5.7	3.4	3.4	2	2	85	85	86	821481	814178	<0.2	1.1	<0.2	1.1	
						1.0	0.1	295	29.8	29.8	8.0	8.0	19.4	19.4	83.7	83.7	5.7	3.5	3.5	3.5	2	2	84	84				<0.2	1.1			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
					4.4	0.3	280	29.2	29.2	8.0	8.0	21.8	21.8	81.1	81.4	5.5	4.0	4.0	4.0	<2	<2	87	87	<0.2				1.1				
					4.4	0.3	307	29.2	29.2	8.0	8.0	21.8	21.8	81.6	81.4	5.6	4.1	4.1	4.1	<2	<2	87	87	<0.2				1.0				
					8.0	0.3	280	29.2	29.2	8.0	8.0	21.8	21.8	81.6	81.4	5.6	4.1	4.1	4.1	<2	<2	87	87	<0.2				1.0				
SR3	Cloudy	Moderate	07:14	9.5	Surface	1.0	0.3	68	29.9	29.9	8.0	8.0	18.0	18.0	81.5	81.4	5.6	5.6	5.6	5.6	<2	<2	-	-	-	-	-	-	-	-		
						1.0	0.3	84	29.9	29.9	8.0	8.0	18.0	18.0	81.3	81.4	5.6	5.7	5.7	5.7	<2	<2	-	-								
						4.8	0.2	65	29.8	29.8	8.0	8.0	19.1	19.1	77.8	77.7	5.3	6.7	6.7	6.7	<2	<2	-	-								
					4.8	0.2	58	29.8	29.8	8.0	8.0	19.1	19.1	77.6	77.7	5.3	6.8	6.8	6.8	<2	<2	-	-									
					8.5	0.2	68	29.6	29.6	7.9	7.9	20.3	20.3	83.4	83.4	5.7	9.9	9.9	9.9	<2	<2	-	-									
					8.5	0.2	74	29.6	29.6	7.9	7.9	20.2	20.3	84.0	83.7	5.7	9.6	9.6	9.6	3	3	-	-									
SR4A	Rainy	Calm	05:51	9.2	Surface	1.0	0.3	236	29.3	29.3	8.0	8.0	20.8	20.9	78.5	78.2	5.4	5.4	3.6	3.6	2	2	-	-	-	-	-	-	-	-		
						1.0	0.3	255	29.3	29.3	8.0	8.0	20.9	20.9	77.8	77.8	5.3	3.7	3.7	3.7	3	3	-	-								
						4.6	0.3	214	28.5	28.5	8.0	8.0	23.9	23.9	71.8	71.9	4.9	6.6	6.6	6.6	2	2	-	-								
					4.6	0.3	215	28.5	28.5	8.0	8.0	23.9	23.9	71.9	71.9	4.9	6.5	6.5	6.5	2	2	-	-									
					8.2	0.1	265	28.4	28.4	8.0	8.0	24.6	24.5	74.4	74.6	5.0	8.1	8.1	8.1	3	3	-	-									
					8.2	0.1	280	28.5	28.5	8.0	8.0	24.5	24.5	74.7	74.6	5.1	8.1	8.1	8.1	2	2	-	-									
SR5A	Rainy	Calm	05:34	5.2	Surface	1.0	0.2	288	28.6	28.6	7.9	7.9	24.0	24.0	71.9	72.0	4.9	4.9	6.7	6.7	2	2	-	-	-	-	-	-	-	-		
						1.0	0.2	289	28.6	28.6	7.9	7.9	24.0	24.0	72.0	72.0	4.9	6.7	6.7	6.7	<2	<2	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	
					4.2	0.4	297	28.6	28.6	7.9	7.9	24.1	24.1	72.1	72.1	4.9	3.1	3.1	3.1	2	2	-	-									
					4.2	0.4	275	28.6	28.6	7.9	7.9	24.1	24.1	72.1	72.1	4.9	3.1	3.1	3.1	3	3	-	-									
					4.2	0.4	275	28.6	28.6	7.9	7.9	24.1	24.1	72.1	72.1	4.9	3.1	3.1	3.1	3	3	-	-									
SR6A	Rainy	Calm	05:07	5.0	Surface	1.0	0.2	232	28.6	28.6	7.9	7.9	23.9	23.9	72.5	72.5	4.9	4.9	5.7	5.7	2	2	-	-	-	-	-	-	-	-		
						1.0	0.2	240	28.6	28.6	7.9	7.9	23.9	23.9	72.5	72.5	4.9	5.6	5.6	5.6	2											

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	14:12	7.8	Surface	1.0	0.5	206	29.2	29.2	7.9	7.9	21.7	21.8	76.1	76.1	5.2	5.2	2.5	2.5	5	5	83	83	87	815598	804237	<0.2	1.2	<0.2	1.2					
						1.0	0.5	220	29.2	29.2	7.9	7.9	21.8	21.8	76.0	76.0	5.2	5.2	2.5	2.5	4	4	83	83				<0.2	1.1	<0.2	1.1					
						3.9	0.3	195	28.5	28.5	7.9	7.9	22.6	22.6	69.7	69.5	4.8	4.8	2.6	2.6	4	4	87	87				<0.2	1.2	<0.2	1.2					
					3.9	0.3	201	28.4	28.4	7.9	7.9	22.7	22.7	69.2	69.2	4.8	4.8	2.6	2.6	4	4	87	87	<0.2				1.2	<0.2	1.2						
					6.8	0.3	194	28.4	28.5	7.9	7.9	25.9	25.8	61.4	61.6	4.1	4.1	4.4	4.4	3	3	91	91	<0.2				1.2	<0.2	1.2						
					6.8	0.3	204	28.5	28.5	7.9	7.9	25.8	25.8	61.7	61.7	4.2	4.2	4.5	4.5	4	4	91	91	<0.2				1.2	<0.2	1.2						
C2	Rainy	Moderate	12:37	7.9	Surface	1.0	0.6	117	29.6	29.6	7.9	7.9	18.7	18.7	80.5	80.3	5.5	5.5	3.0	3.0	3	3	85	85	89	825691	806933	<0.2	1.4	<0.2	1.4					
						1.0	0.6	125	29.5	29.5	7.9	7.9	18.7	18.7	80.1	80.1	5.5	5.5	3.0	3.0	4	4	86	86				<0.2	1.4	<0.2	1.4					
						4.0	0.4	119	29.1	29.1	7.9	7.9	20.4	20.4	76.8	76.7	5.3	5.2	2.6	2.6	3	3	89	89				<0.2	1.5	<0.2	1.5					
					4.0	0.4	124	29.0	29.0	7.9	7.9	20.4	20.4	76.5	76.5	5.3	5.2	2.6	2.6	4	4	89	89	<0.2				1.4	<0.2	1.4						
					6.9	0.2	70	28.9	29.0	7.9	7.9	23.1	23.1	66.6	66.7	4.5	4.5	6.0	6.0	3	3	93	93	<0.2				1.4	<0.2	1.4						
					6.9	0.2	72	29.0	29.0	7.9	7.9	23.1	23.1	66.8	66.8	4.5	4.5	6.1	6.1	4	4	94	94	<0.2				1.5	<0.2	1.5						
C3	Rainy	Moderate	14:17	12.4	Surface	1.0	0.4	38	29.2	29.2	7.9	7.9	21.6	21.5	77.7	77.7	5.3	5.3	2.6	2.6	3	3	79	79	85	822093	817816	<0.2	1.0	<0.2	0.9					
						1.0	0.4	39	29.2	29.2	7.9	7.9	21.5	21.5	77.6	77.6	5.3	5.3	2.6	2.6	3	3	83	83				<0.2	0.9	<0.2	0.9					
						6.2	0.1	120	28.1	28.1	7.9	7.9	25.5	25.5	60.6	60.5	4.1	4.1	6.1	6.1	3	3	87	87				<0.2	0.9	<0.2	0.9					
					6.2	0.1	131	28.1	28.1	7.9	7.9	25.6	25.6	60.4	60.4	4.1	4.1	6.2	6.2	2	2	87	87	<0.2				0.9	<0.2	0.9						
					11.4	0.1	8	28.0	28.0	7.9	7.9	25.9	25.9	61.5	61.8	4.2	4.2	7.1	7.1	3	3	88	88	<0.2				0.8	<0.2	0.8						
					11.4	0.1	8	28.0	28.0	7.9	7.9	25.9	25.9	62.0	62.0	4.2	4.2	7.1	7.1	2	2	88	88	<0.2				0.8	<0.2	0.8						
IM1	Rainy	Moderate	13:45	4.7	Surface	1.0	0.1	260	28.8	28.7	7.9	7.9	21.1	21.1	76.0	75.6	5.2	5.2	2.7	2.7	3	3	79	79	85	817953	807147	<0.2	0.9	<0.2	0.8					
						1.0	0.1	281	28.6	28.6	7.9	7.9	21.1	21.1	75.2	75.2	5.2	5.2	2.7	2.7	3	3	83	83				<0.2	0.8	<0.2	0.8					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					3.7	0.3	172	28.9	29.0	7.9	7.9	25.1	25.0	65.0	65.6	4.4	4.4	4.2	4.2	3	3	88	88	<0.2				0.9	<0.2	0.9						
					3.7	0.4	181	29.1	29.1	7.9	7.9	25.0	25.0	66.1	66.1	4.4	4.4	4.2	4.2	2	2	88	88	<0.2				0.9	<0.2	0.9						
IM2	Rainy	Moderate	13:38	7.5	Surface	1.0	0.5	160	29.2	29.2	7.9	7.9	19.4	19.4	77.5	77.4	5.3	5.3	2.8	2.8	3	3	83	83	88	818182	806186	<0.2	0.9	<0.2	0.8					
						1.0	0.5	164	29.2	29.2	7.9	7.9	19.4	19.4	77.2	77.2	5.3	5.3	2.8	2.8	3	3	84	84				<0.2	0.8	<0.2	0.8					
						3.8	0.4	159	28.6	28.6	7.9	7.9	21.6	21.7	73.0	71.8	5.0	4.9	4.3	4.3	3	3	88	88				<0.2	1.1	<0.2	1.1					
					3.8	0.4	170	28.5	28.5	7.9	7.9	21.9	21.7	70.5	71.8	4.9	4.9	4.4	4.4	4	4	88	88	<0.2				1.1	<0.2	1.1						
					6.5	0.4	154	28.7	28.8	7.9	7.9	24.8	24.8	63.0	63.4	4.2	4.2	4.0	4.0	3	3	92	92	<0.2				1.1	<0.2	1.1						
					6.5	0.4	162	28.9	28.9	7.9	7.9	24.8	24.8	63.7	63.4	4.3	4.3	4.1	4.1	3	3	92	92	<0.2				1.1	<0.2	1.1						
IM3	Rainy	Moderate	13:32	7.6	Surface	1.0	0.2	230	29.4	29.4	7.9	7.9	17.3	17.3	81.8	81.6	5.7	5.7	3.4	3.4	2	2	83	83	88	818792	805574	<0.2	0.8	<0.2	0.8					
						1.0	0.3	240	29.4	29.4	7.9	7.9	17.3	17.3	81.3	81.3	5.7	5.7	3.4	3.4	3	3	83	83				<0.2	0.8	<0.2	0.8					
						3.8	0.2	222	29.3	29.3	7.9	7.9	19.3	19.3	79.1	79.0	5.4	5.4	5.5	5.5	4	4	88	88				<0.2	0.7	<0.2	0.7					
					3.8	0.2	229	29.3	29.3	7.9	7.9	19.3	19.3	78.8	78.8	5.4	5.4	5.5	5.5	4	4	88	88	<0.2				0.7	<0.2	0.7						
					6.6	0.2	110	29.4	29.4	7.9	7.9	21.0	21.0	74.1	74.4	5.0	5.0	7.8	7.8	3	3	91	91	<0.2				0.7	<0.2	0.7						
					6.6	0.2	120	29.4	29.4	7.9	7.9	21.0	21.0	74.7	74.4	5.1	5.1	7.8	7.8	4	4	92	92	<0.2				0.8	<0.2	0.8						
IM4	Rainy	Moderate	13:22	8.0	Surface	1.0	1.0	187	29.4	29.4	7.9	7.9	17.5	17.5	87.2	87.1	6.0	6.0	3.2	3.2	2	2	84	84	88	819717	804605	<0.2	0.8	<0.2	0.8					
						1.0	1.0	199	29.4	29.4	7.9	7.9	17.5	17.5	86.9	86.9	6.0	6.0	3.2	3.2	2	2	84	84				<0.2	0.8	<0.2	0.8					
						4.0	0.8	174	29.2	29.2	7.9	7.9	20.5	20.6	74.8	74.8	5.1	5.1	5.9	5.9	2	2	88	88				<0.2	0.8	<0.2	0.8					
					4.0	0.8	178	29.2	29.2	7.9	7.9	20.6	20.6	74.7	74.7	5.1	5.1	6.0	6.0	2	2	88	88	<0.2				0.8	<0.2	0.8						
					7.0	0.4	180	29.2	29.2	7.9	7.9	21.2	21.2	74.7	74.8	5.1	5.1	8.3	8.3	4	4	91	91	<0.2				0.9	<0.2	0.9						
					7.0	0.4	180	29.2	29.2	7.9	7.9	21.2	21.2	74.8	74.8	5.1	5.1	8.3	8.3	3	3	92	92	<0.2				0.8	<0.2	0.8						
IM5	Rainy	Moderate	13:14	7.8	Surface	1.0	0.8	212	29.4	29.4	7.9	7.9	17.4	17.4	82.8	82.8	5.7	5.7	3.6	3.6	3	3	84	84	88	820734	804848	<0.2	0.8	<0.2	0.8					
						1.0	0.8	226	29.4	29.4	7.9	7.9	17.5	17.4	82.7	82.7	5.7	5.7	3.7	3.7	3	3	84	84				<0.2	0.8	<0.2	0.8					
						3.9	0.7	209	29.2	29.2	7.9	7.9	21.0	21.0	70.8	70.8	4.8	4.8	6.1	6.1	2	2	87	87				<0.2	0.9	<0.2	0.9					
					3.9	0.7	220	29.2	29.2	7.9	7.9	21.0	21.0	70.8	70.8	4.8	4.8	6.1	6.1	3	3	88	88	<0.2				0.9	<0.2	0.9						
					6.8	0.5	199	29.0	29.1	7.9	7.9	22.2	22.2	68.1	68.1	4.6	4.6	10.7	10.7	3	3	92	92	<0.2				0.8	<0.2	0.8						
					6.8	0.5	203	29.1	29.1	7.9	7.9	22.2	22.2	68.1	68.1	4.6	4.6	10.7	10.7	2	2	92	92	<0.2				0.8	<0.2	0.8						
IM6	Rainy	Moderate	12:57	8.1	Surface	1.0	0.8	231	29.6	29.6	7.9	7.9	18.5	18.6	80.3	80.1	5.5	5.5	2.6	2.6	2	2	83	83	88	821078	805819	<0.2	0.9	<0.2						

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

Water Quality Monitoring Results on 17 August 19 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	13:08	7.6	Surface	1.0	0.6	106	29.4	29.4	7.9	7.9	17.4	17.4	85.6	85.5	5.9	5.9	4.1	3	85	85	89	822075	808790	<0.2	0.9	1.0	1.0				
						1.0	0.7	111	29.3	29.2	7.9	7.9	17.4	17.4	85.4	85.1	5.1	5.1	4.1	2	86	86	89	822075	808790	<0.2	0.8	1.0	1.0				
						3.8	0.3	109	29.2	29.2	7.9	7.9	20.6	20.6	74.9	75.0	5.1	5.1	5.7	4	88	88	89	822075	808790	<0.2	1.1	1.0	1.0				
					3.8	0.4	115	29.2	29.2	7.9	7.9	20.7	20.7	75.0	75.0	5.1	5.1	5.7	4	88	88	89	822075	808790	<0.2	1.1	1.0	1.0					
					6.6	0.2	56	29.2	29.2	7.9	7.9	21.1	21.1	76.0	76.1	5.2	5.2	7.4	6	92	92	89	822075	808790	<0.2	1.1	1.0	1.0					
					6.6	0.2	56	29.2	29.2	7.9	7.9	21.1	21.1	76.2	76.2	5.2	5.2	7.4	6	92	92	89	822075	808790	<0.2	1.1	1.0	1.0					
IM10	Rainy	Moderate	13:13	8.2	Surface	1.0	0.5	82	29.2	29.2	7.9	7.9	18.6	18.6	80.5	80.1	5.6	5.6	5.0	3	88	88	92	822363	809801	<0.2	1.0	1.1	1.1				
						1.0	0.5	88	29.2	29.2	7.9	7.9	18.6	18.6	79.6	79.7	5.5	5.3	5.0	3	89	89	92	822363	809801	<0.2	1.2	1.1	1.1				
						4.1	0.4	74	29.2	29.2	7.9	7.9	20.2	20.2	74.7	74.7	5.1	5.1	6.4	4	92	92	92	822363	809801	<0.2	1.1	1.1	1.1				
					4.1	0.5	80	29.2	29.2	7.9	7.9	20.2	20.2	74.7	74.7	5.1	5.1	6.5	4	93	93	92	822363	809801	<0.2	1.0	1.0	1.0					
					7.2	0.2	65	29.2	29.2	7.9	7.9	21.0	21.0	75.3	75.4	5.1	5.2	7.5	6	93	93	92	822363	809801	<0.2	1.0	1.0	1.0					
					7.2	0.2	70	29.2	29.2	7.9	7.9	21.0	21.0	75.4	75.4	5.2	5.2	7.5	6	94	94	92	822363	809801	<0.2	1.1	1.0	1.1					
IM11	Rainy	Moderate	13:24	7.8	Surface	1.0	0.2	214	29.4	29.4	7.9	7.9	16.8	16.8	83.8	83.7	5.8	5.8	4.0	3	86	86	89	822060	811464	<0.2	0.9	1.0	1.0				
						1.0	0.2	215	29.4	29.4	7.9	7.9	16.8	16.8	83.5	83.5	5.8	5.6	4.0	2	87	87	89	822060	811464	<0.2	0.9	1.0	1.0				
						3.9	0.1	189	29.3	29.3	7.9	7.9	19.0	19.0	77.6	77.5	5.3	5.3	5.4	2	88	88	89	822060	811464	<0.2	0.9	1.0	1.0				
					3.9	0.1	204	29.3	29.3	7.9	7.9	19.1	19.0	77.4	77.4	5.4	5.4	5.4	3	88	88	89	822060	811464	<0.2	1.0	1.0	1.0					
					6.8	0.1	104	29.3	29.3	7.9	7.9	20.5	20.5	78.7	78.8	5.3	5.4	6.8	3	93	93	89	822060	811464	<0.2	1.2	1.0	1.0					
					6.8	0.1	107	29.3	29.3	7.9	7.9	20.5	20.5	78.9	78.8	5.4	5.4	6.8	<2	94	94	89	822060	811464	<0.2	1.1	1.0	1.0					
IM12	Rainy	Moderate	13:29	7.9	Surface	1.0	0.2	99	28.9	28.9	7.9	7.9	20.2	20.2	77.0	76.6	5.3	5.3	4.1	3	88	88	92	821448	812069	<0.2	1.2	1.1	1.2				
						1.0	0.2	107	28.9	28.9	7.9	7.9	20.3	20.2	76.2	76.3	5.3	5.3	4.0	4	89	89	92	821448	812069	<0.2	1.1	1.1	1.1				
						4.0	0.1	321	28.7	28.7	7.9	7.9	22.9	22.9	68.5	69.7	4.7	5.0	8.7	2	93	93	92	821448	812069	<0.2	1.1	1.1	1.1				
					4.0	0.1	334	28.6	28.7	7.9	7.9	22.9	22.9	68.8	69.7	4.8	5.0	8.7	2	93	93	92	821448	812069	<0.2	1.1	1.1	1.1					
					6.9	0.1	207	28.0	28.1	7.9	7.9	26.1	26.1	62.5	62.7	4.2	4.2	10.3	2	94	94	92	821448	812069	<0.2	1.2	1.1	1.2					
					6.9	0.1	214	28.1	28.1	7.9	7.9	26.1	26.1	62.9	62.7	4.2	4.2	10.3	3	94	94	92	821448	812069	<0.2	1.2	1.1	1.2					
SR1A	Rainy	Moderate	13:47	4.3	Surface	1.0	-	-	28.0	28.1	7.9	7.9	26.0	26.0	61.5	61.6	4.2	4.2	5.4	<2	-	-	-	819976	812662	-	-	-	-	-			
						1.0	-	-	28.1	28.1	7.9	7.9	26.0	26.0	61.6	61.6	4.2	4.2	5.4	2	-	-	-	-	-	819976	812662	-	-	-	-	-	
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812662	-	-	-	-	-
					2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812662	-	-	-	-	-
					3.3	-	-	29.3	29.3	7.9	7.9	19.0	19.0	80.0	79.6	5.5	5.5	2.4	4	-	-	-	-	-	-	-	819976	812662	-	-	-	-	-
					3.3	-	-	29.2	29.3	7.9	7.9	19.0	19.0	79.1	79.6	5.5	5.5	2.4	4	-	-	-	-	-	-	-	-	819976	812662	-	-	-	-
SR2	Rainy	Moderate	13:57	3.9	Surface	1.0	0.3	50	28.8	28.8	7.9	7.9	22.2	22.2	71.6	71.4	4.9	4.9	3.8	3	83	83	86	821449	814186	<0.2	0.8	0.8	0.8				
						1.0	0.3	54	28.7	28.8	7.9	7.9	22.3	22.3	71.1	71.1	4.9	4.9	3.8	2	84	84	86	821449	814186	<0.2	0.8	0.8	0.8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821449	814186	<0.2	0.8	0.8	0.8
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821449	814186	<0.2	0.8	0.8	0.8
					2.9	0.4	9	28.2	28.2	7.9	7.9	23.1	23.2	66.6	65.7	4.6	4.6	4.3	2	88	88	86	821449	814186	<0.2	0.8	0.8	0.8					
					2.9	0.5	9	28.1	28.2	7.9	7.9	23.2	23.2	64.8	65.7	4.5	4.6	4.3	2	88	88	86	821449	814186	<0.2	0.8	0.8	0.8					
SR3	Rainy	Moderate	12:55	8.1	Surface	1.0	0.8	102	29.4	29.4	7.9	7.9	17.7	17.8	84.3	84.3	5.8	5.8	4.3	2	-	-	-	822125	807577	-	-	-	-	-			
						1.0	0.8	110	29.4	29.4	7.9	7.9	17.8	17.8	84.2	84.2	5.8	5.8	4.3	2	-	-	-	-	-	822125	807577	-	-	-	-	-	
						4.1	0.7	85	29.2	29.2	7.9	7.9	18.5	18.5	78.6	78.4	5.4	5.6	8.2	2	-	-	-	-	-	822125	807577	-	-	-	-	-	
					4.1	0.8	85	29.2	29.2	7.9	7.9	18.5	18.5	78.2	78.4	5.4	5.6	8.3	3	-	-	-	-	-	-	822125	807577	-	-	-	-	-	
					7.1	0.7	87	29.2	29.3	7.9	7.9	21.0	21.0	77.6	77.8	5.3	5.3	10.4	5	-	-	-	-	-	-	822125	807577	-	-	-	-	-	
					7.1	0.7	88	29.3	29.3	7.9	7.9	21.0	21.0	78.0	77.8	5.3	5.3	10.5	4	-	-	-	-	-	-	822125	807577	-	-	-	-	-	
SR4A	Rainy	Rough	14:43	8.4	Surface	1.0	0.4	250	29.3	29.3	7.9	7.9	21.7	21.7	76.7	76.7	5.2	5.2	2.3	6	-	-	-	817187	807817	-	-	-	-	-			
						1.0	0.5	273	29.3	29.0	7.9	7.9	21.7	21.7	76.6	76.6	5.2	5.1	2.3	6	-	-	-	-	-	817187	807817	-	-	-	-	-	
						4.2	0.3	258	29.0	29.0	7.9	7.9	22.3	22.3	71.5	71.4	4.9	5.1	3.1	4	-	-	-	-	-	817187	807817	-	-	-	-	-	
					4.2	0.3	267	28.9	29.0	7.9	7.9	22.4	22.3	71.3	71.4	4.9	5.1	3.1	4	-	-	-	-	-	-	817187	807817	-	-	-	-	-	
					7.4	0.1	242	28.6	28.7	7.9	7.9	25.2	25.2	63.3	63.5	4.3	4.3	3.7	2	-	-	-	-	-	-	817187	807817	-	-	-	-	-	
					7.4	0.1	258	28.7	28.7	7.9	7.9	25.2	25.2	63.6	63.5	4.3	4.3	3.8	3	-	-	-	-	-	-	817187	807817	-	-	-	-	-	
SR5A	Rainy	Moderate	14:58	3.8	Surface	1.0	0.1	342	28.4	28.4	7																						

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

Water Quality Monitoring Results on 17 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	07:11	8.2	Surface	1.0	0.2	55	29.5	29.5	7.9	7.9	18.1	18.1	77.5	77.4	5.4	2.8	4	83	87	815616	804234	<0.2	1.1	1.1	1.0					
						1.0	0.2	57	29.5	29.5	7.9	7.9	18.1	18.1	77.3	77.4	5.3	2.8	6	83	87	815616	804234	<0.2	1.1	1.1	1.0					
					Middle	4.1	0.3	60	29.4	29.4	7.9	7.9	19.7	19.7	74.4	74.1	5.1	3.2	7	88	87	815616	804234	<0.2	1.0	1.0	1.0					
						4.1	0.3	59	29.4	29.4	7.9	7.9	19.7	19.7	73.8	74.1	5.1	3.2	7	88	87	815616	804234	<0.2	1.0	1.0	1.0					
					Bottom	7.2	0.3	53	29.4	29.4	7.9	7.9	21.3	21.3	69.8	69.9	4.7	5.4	9	91	87	815616	804234	<0.2	1.0	1.0	1.0					
						7.2	0.3	55	29.4	29.4	7.9	7.9	21.3	21.3	70.0	70.0	4.8	5.7	9	91	87	815616	804234	<0.2	1.0	1.0	1.0					
C2	Cloudy	Moderate	08:50	7.6	Surface	1.0	0.3	42	29.6	29.6	7.9	7.9	18.5	18.5	80.9	80.8	5.6	2.7	3	89	92	825675	806932	<0.2	1.2	1.1	1.3					
						1.0	0.3	40	29.6	29.6	7.9	7.9	18.4	18.4	80.6	80.6	5.6	2.7	4	90	92	825675	806932	<0.2	1.1	1.1	1.3					
					Middle	3.8	0.2	38	29.1	29.1	7.9	7.9	20.0	20.0	77.3	76.4	5.3	4.7	5	93	92	825675	806932	<0.2	1.4	1.4	1.5					
						3.8	0.2	40	29.0	29.0	7.9	7.9	20.0	20.0	75.4	76.4	5.2	4.7	4	93	92	825675	806932	<0.2	1.4	1.4	1.5					
					Bottom	6.6	0.2	62	28.8	28.8	7.9	7.9	22.8	22.8	66.5	66.5	4.5	5.7	7	94	92	825675	806932	<0.2	1.5	1.5	1.4					
						6.6	0.2	65	28.8	28.8	7.9	7.9	22.9	22.9	66.5	66.5	4.5	5.7	6	95	92	825675	806932	<0.2	1.4	1.4	1.4					
C3	Fine	Calm	06:11	11.8	Surface	1.0	0.5	251	29.4	29.4	7.9	7.9	19.8	19.8	81.0	80.9	5.6	2.3	4	83	87	822102	817784	<0.2	1.3	1.3	1.3					
						1.0	0.6	254	29.4	29.4	7.9	7.9	19.8	19.8	80.8	80.8	5.5	2.3	3	83	87	822102	817784	<0.2	1.3	1.3	1.3					
					Middle	5.9	0.7	280	28.7	28.7	7.9	7.9	23.5	23.5	70.1	70.1	4.8	2.0	5	88	87	822102	817784	<0.2	1.2	1.2	1.2					
						5.9	0.8	294	28.6	28.6	7.9	7.9	23.5	23.5	70.0	70.0	4.8	2.0	5	88	87	822102	817784	<0.2	1.2	1.2	1.2					
					Bottom	10.8	0.4	289	26.6	26.6	7.9	7.9	30.1	30.1	51.7	51.8	3.5	3.5	6	91	87	822102	817784	<0.2	1.2	1.2	1.2					
						10.8	0.4	308	26.6	26.6	7.9	7.9	30.1	30.1	51.9	51.9	3.5	3.6	6	91	87	822102	817784	<0.2	1.2	1.2	1.3					
IM1	Fine	Moderate	07:36	5.2	Surface	1.0	0.1	39	29.4	29.4	7.9	7.9	19.1	19.2	82.7	82.7	5.7	3.5	6	87	89	817951	807113	<0.2	1.5	1.4	1.4					
						1.0	0.1	35	29.4	29.4	7.9	7.9	19.2	19.2	82.6	82.6	5.7	3.5	5	87	89	817951	807113	<0.2	1.4	1.4	1.4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.2	0.1	49	29.4	29.4	7.9	7.9	20.2	20.2	76.9	77.0	5.3	4.2	7	91	87	817951	807113	<0.2	1.4	1.4	1.4					
						4.2	0.1	51	29.4	29.4	7.9	7.9	20.2	20.2	77.1	77.1	5.3	4.2	8	91	87	817951	807113	<0.2	1.4	1.4	1.4					
IM2	Fine	Moderate	07:44	6.9	Surface	1.0	0.3	42	29.4	29.4	7.9	7.9	18.7	18.7	82.8	82.8	5.7	3.5	6	84	89	818163	806183	<0.2	1.5	1.4	1.5					
						1.0	0.3	44	29.4	29.4	7.9	7.9	18.7	18.7	82.7	82.7	5.7	3.5	6	84	89	818163	806183	<0.2	1.4	1.4	1.5					
					Middle	3.5	0.3	66	29.4	29.4	7.9	7.9	20.2	20.2	76.2	76.4	5.2	4.5	4	89	87	818163	806183	<0.2	1.5	1.5	1.5					
						3.5	0.3	61	29.4	29.4	7.9	7.9	20.2	20.2	76.6	76.6	5.2	4.5	5	89	87	818163	806183	<0.2	1.5	1.5	1.5					
					Bottom	5.9	0.2	55	29.3	29.3	7.9	7.9	20.3	20.3	77.8	77.8	5.3	9.4	3	92	87	818163	806183	<0.2	1.4	1.4	1.4					
						5.9	0.2	59	29.3	29.3	7.9	7.9	20.3	20.3	77.8	77.8	5.3	9.5	4	93	87	818163	806183	<0.2	1.4	1.4	1.4					
IM3	Fine	Moderate	07:49	6.8	Surface	1.0	0.2	44	29.4	29.4	7.9	7.9	18.9	18.9	82.4	82.3	5.7	2.4	8	83	88	818784	805591	<0.2	1.4	1.4	1.4					
						1.0	0.2	46	29.4	29.4	7.9	7.9	18.9	18.9	82.2	82.2	5.7	2.4	8	84	88	818784	805591	<0.2	1.4	1.4	1.4					
					Middle	3.4	0.2	59	29.4	29.4	7.9	7.9	20.0	20.0	75.2	75.1	5.2	3.3	6	88	87	818784	805591	<0.2	1.2	1.2	1.2					
						3.4	0.2	56	29.4	29.4	7.9	7.9	20.0	20.0	75.0	75.0	5.1	3.3	6	88	87	818784	805591	<0.2	1.2	1.2	1.2					
					Bottom	5.8	0.2	57	29.4	29.4	7.9	7.9	20.3	20.3	74.7	74.8	5.1	6.1	2	92	87	818784	805591	<0.2	1.4	1.4	1.6					
						5.8	0.2	60	29.4	29.4	7.9	7.9	20.3	20.3	74.8	74.8	5.1	6.0	3	92	87	818784	805591	<0.2	1.4	1.4	1.4					
IM4	Fine	Moderate	07:57	7.5	Surface	1.0	0.7	38	29.4	29.4	7.9	7.9	19.3	19.3	81.7	81.7	5.6	2.6	7	84	88	819709	804586	<0.2	1.4	1.4	1.4					
						1.0	0.8	41	29.4	29.4	7.9	7.9	19.3	19.3	81.7	81.7	5.6	2.6	7	83	88	819709	804586	<0.2	1.4	1.4	1.4					
					Middle	3.8	0.4	51	29.4	29.4	7.9	7.9	20.1	20.1	75.2	75.3	5.2	3.5	6	88	87	819709	804586	<0.2	1.5	1.5	1.5					
						3.8	0.5	48	29.4	29.4	7.9	7.9	20.1	20.1	75.3	75.3	5.2	3.5	6	88	87	819709	804586	<0.2	1.4	1.4	1.4					
					Bottom	6.5	0.4	45	29.3	29.3	7.9	7.9	20.5	20.5	77.1	77.1	5.3	4.0	5	91	87	819709	804586	<0.2	1.5	1.5	1.5					
						6.5	0.4	50	29.3	29.3	7.9	7.9	20.5	20.5	77.1	77.1	5.3	3.9	5	91	87	819709	804586	<0.2	1.4	1.4	1.4					
IM5	Fine	Moderate	08:13	7.4	Surface	1.0	0.7	32	29.4	29.4	7.9	7.9	16.6	16.6	85.8	85.8	6.0	4.7	4	84	88	820735	804847	<0.2	1.4	1.4	1.4					
						1.0	0.7	36	29.4	29.4	7.9	7.9	16.6	16.6	85.7	85.7	6.0	4.8	5	83	88	820735	804847	<0.2	1.5	1.5	1.5					
					Middle	3.7	0.5	38	29.3	29.3	7.9	7.9	18.0	18.0	80.0	80.0	5.5	5.8	7	88	87	820735	804847	<0.2	1.4	1.4	1.4					
						3.7	0.5	39	29.3	29.3	7.9	7.9	18.0	18.0	80.0	80.0	5.5	5.8	6	88	87	820735	804847	<0.2	1.4	1.4	1.4					
					Bottom	6.4	0.3	46	29.2	29.2	7.9	7.9	20.4	20.4	75.4	75.6	5.2	11.0	8	91	87	820735	804847	<0.2	1.4	1.4	1.4					
						6.4	0.3	43	29.2	29.2	7.9	7.9	20.4	20.4	75.7	75.7	5.2	10.9	8	92	87	820735	804847	<0.2	1.3	1.3	1.3					
IM6	Fine	Moderate	08:19	7.6	Surface	1.0	0.5	21	29.4	29.4	7.9	7.9	16.8	16.8	85.2	85.1	5.9	4.0	6	83	88	821064	805845	<0.2	1.4	1.4	1.4					
						1.0	0.6	22	29.4	29.4	7.9	7.9	16.9	16.9	85.0	85.0	5.9	4.0	5	84	88	821064	805845	<0.2	1.4	1.4	1.4					
					Middle	3.8	0.3	28	29.3	29.3	7.9	7.9	17.5	17.5	78.8	78.7	5.5	5.2	6	88	87	821064	805845	<0.2	1.4	1.4	1.4</					

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

Water Quality Monitoring Results on 17 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	08:01	7.5	Surface	1.0	0.4	299	29.4	29.4	7.9	7.9	18.0	18.0	79.5	79.4	5.5	3.6	4	89	822089	808793	<0.2	1.4	1.4	1.4						
						1.0	0.4	285	29.4	29.3	7.9	7.9	18.0	79.3	5.5	3.7	5	90	<0.2	1.4												
						3.8	0.3	265	29.3	29.3	7.8	7.8	21.0	68.7	4.7	6.1	4	93	<0.2	1.4												
					3.8	0.3	271	29.3	29.2	7.8	7.8	21.1	68.5	4.7	6.1	4	93	<0.2	1.5													
					6.5	0.1	277	29.2	29.2	7.9	7.9	21.6	69.0	4.7	7.9	6	94	<0.2	1.2													
					6.5	0.1	284	29.2	29.2	7.9	7.9	21.6	69.2	4.7	7.8	7	94	<0.2	1.3													
IM10	Cloudy	Moderate	07:52	7.1	Surface	1.0	0.2	298	29.3	29.3	7.9	7.9	20.7	20.7	78.4	78.4	5.4	3.0	5	88	822375	809805	<0.2	1.4	1.4	1.3						
						1.0	0.2	317	29.3	29.1	7.9	7.9	20.7	78.4	5.4	3.0	4	88	<0.2	1.4												
						3.6	0.2	341	29.0	29.1	7.9	7.9	21.8	73.5	5.0	3.8	4	92	<0.2	1.3												
					3.6	0.3	359	29.1	29.0	7.9	7.9	21.8	73.5	5.0	3.8	6	93	<0.2	1.4													
					6.1	0.2	356	29.0	29.0	7.9	7.9	22.0	71.4	4.9	4.3	9	94	<0.2	1.2													
					6.1	0.2	358	29.9	29.0	7.9	7.9	22.1	71.2	4.9	4.4	9	94	<0.2	1.2													
IM11	Cloudy	Moderate	07:43	6.9	Surface	1.0	0.6	290	28.9	28.9	7.9	7.9	22.2	22.2	68.8	68.8	4.7	3.3	5	86	822038	811459	<0.2	1.4	1.4	1.3						
						1.0	0.6	295	28.9	28.3	7.9	7.8	24.8	68.8	4.7	3.4	4	89	<0.2	1.4												
						3.5	0.2	279	28.3	28.3	7.8	7.8	24.8	77.0	5.3	8.5	4	90	<0.2	1.6												
					3.5	0.2	287	28.3	28.1	7.8	7.8	24.7	77.1	5.3	8.5	11	93	<0.2	1.0													
					5.9	0.1	233	28.1	28.1	7.8	7.8	25.8	53.4	3.6	10.3	13	93	<0.2	1.0													
					5.9	0.1	234	28.1	28.1	7.8	7.8	25.8	53.8	3.6	10.3	13	93	<0.2	1.0													
IM12	Fine	Calm	07:38	6.8	Surface	1.0	0.6	297	29.0	29.0	7.9	7.9	22.3	22.3	71.0	71.1	4.8	6.3	5	85	821461	812026	<0.2	1.6	1.5	1.5						
						1.0	0.7	317	29.0	28.4	7.9	7.9	22.3	71.2	4.8	6.4	5	85	<0.2	1.5												
						3.4	0.5	312	28.4	28.4	7.9	7.9	24.2	63.3	4.3	7.6	8	88	<0.2	1.5												
					3.4	0.5	341	28.4	28.3	7.9	7.9	24.2	63.3	4.3	7.6	7	89	<0.2	1.5													
					5.8	0.1	358	28.3	28.3	7.9	7.9	24.6	62.2	4.2	9.7	9	92	<0.2	1.4													
					5.8	0.1	329	28.3	28.3	7.9	7.9	24.6	62.2	4.2	9.8	10	92	<0.2	1.3													
SR1A	Fine	Calm	06:43	5.1	Surface	1.0	-	-	29.6	29.6	7.9	7.9	18.9	18.9	78.7	78.7	5.4	3.0	7	-	819974	812656	-	-	-	-						
						1.0	-	-	29.6	29.6	7.9	7.9	18.9	78.7	5.4	3.0	8	-	-	-												
						2.6	-	-	-	-	-	-	-	-	5.4	-	5.3	7	-	-												
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					4.1	-	-	29.3	29.3	7.8	7.8	21.1	68.0	4.6	7.7	6	-	-														
					4.1	-	-	29.3	29.3	7.8	7.8	21.1	68.1	4.6	7.7	5	-	-														
SR2	Fine	Calm	06:32	4.6	Surface	1.0	0.6	279	29.5	29.5	7.9	7.9	19.4	19.4	80.1	80.1	5.5	1.8	6	83	821465	814167	<0.2	1.3	1.3	1.3						
						1.0	0.6	286	29.5	29.5	7.9	7.9	19.4	80.1	5.5	1.9	6	83	<0.2	1.3												
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					3.6	0.5	291	29.4	29.4	7.9	7.9	19.7	78.8	5.4	3.1	6	91	<0.2	1.4													
					3.6	0.5	313	29.4	29.4	7.9	7.9	19.7	78.8	5.4	3.0	8	91	<0.2	1.3													
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
SR3	Cloudy	Moderate	08:28	8.1	Surface	1.0	0.6	82	29.4	29.4	7.9	7.9	17.0	17.0	84.5	84.5	5.9	5.5	5	-	822140	807574	-	-	-	-						
						1.0	0.6	87	29.4	29.3	7.9	7.9	17.0	84.5	5.9	5.5	6	-	-													
						4.1	0.4	67	29.3	29.3	7.9	7.9	18.1	80.2	5.6	6.8	6	-	-													
					4.1	0.4	73	29.3	29.3	7.9	7.9	18.1	80.1	5.6	6.8	6	-	-														
					7.1	0.2	24	29.3	29.3	7.9	7.9	19.2	79.0	5.4	9.6	9	-	-														
					7.1	0.2	25	29.3	29.3	7.9	7.9	19.2	79.2	5.5	9.6	10	-	-														
SR4A	Fine	Moderate	06:41	9.6	Surface	1.0	0.1	206	29.5	29.5	7.9	7.9	18.1	18.1	80.2	80.1	5.5	3.4	4	-	817206	807807	-	-	-	-						
						1.0	0.1	209	29.5	29.4	7.9	7.9	18.1	79.9	5.5	3.5	5	-	-													
						4.8	0.2	282	29.4	29.4	7.9	7.9	18.7	77.2	5.3	5.3	4	-	-													
					4.8	0.2	288	29.4	29.4	7.9	7.9	18.7	75.9	5.2	5.2	4	-	-														
					8.6	0.0	240	29.4	29.4	7.9	7.9	20.8	72.6	4.9	8.2	4	-	-														
					8.6	0.0	248	29.4	29.4	7.9	7.9	20.8	72.7	5.0	8.2	5	-	-														
SR5A	Fine	Moderate	06:25	4.9	Surface	1.0	0.1	243	29.5	29.5	7.9	7.9	18.1	18.2	81.1	81.1	5.6	3.2	5	-	816592	810682	-	-	-	-						
						1.0	0.1	243	29.5	29.5	7.9	7.9	18.2	81.0	5.6	3.2	6	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					3.9	0.1	274	29.5	29.5	7.9	7.9	18.6	80.1	5.5	6.0	7	-	-														
					3.9	0.1	255	29.5	29.5	7.9	7.9	18.5	79.5	5.5	6.0	6	-	-														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
SR6A	Fine	Moderate	05:51	5.2	Surface	1.0	0.1	249	29.5	29.5	7.9	7.9	18.3	18.3	77.8	77.6	5.4	3.5	6	-	817978	814757	-	-	-	-						
						1.0	0.1	244	29.5	29.5	7.9	7.9	18.3	77.4	5.3	3.5	6	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					4.2	0.0	277	29.5	29.5	7.9	7.9	20.2	75.7	5.2	8.3	7	-	-														
					4.2	0.0	283	29.5	29.5	7.9	7.9	20.1	76.3	5.2	8.4	8	-	-														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-														
SR7	Fine	Calm	05:45	16.4	Surface	1.0	0.2	326	29.0	29.0	7.9	7.9	21.5	21.5	88.1	88.1	5.8	1.8	6	-	823651	823748	-	-	-	-						
						1.0	0.2	357	29.0	27.6	7.9	7.8	21.5	88.1	5.8	1.7	7	-	-													
						8.2	0.1	240	27.6	27.6	7.8	7.8	26.8	61.1	4.3	2.8	5	-	-													
					8.2	0.1	243	27.6	27.2	7.8	7.7	26.8	61.1	4.3	2.9	5	-	-														
					15.4	0.0	232	27.2	27.2	7.7	7.7	28.1	59.3	4.0	3.1	7	-	-														
					15.4	0.0	239	27.2	27.2	7.7	7.7	28.1	59.4	4.0	3.0	7	-	-														
SR8	Fine	Moderate	06:52	4.8	Surface	1.0	-	-	29.2	29.2	7.9	7.9	21.4	21.4	69.5	69.5	4.7	5.7	10	-	820406	811608	-	-	-	-						
						1.0	-	-	29.2	29.2	7.9	7.9	21.4	69.4	4.7	5.7	10	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					3.8	-	-	28.4	28.4	7.9	7.9	24.6	59.8	4.1	10.0	15	-	-														
					3.8	-	-	28.4	28.4	7.9	7.9	24.7	59.7	4.1	10.0	15	-	-														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-														

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Rough	15:09	7.5	Surface	1.0	0.3	226	27.4	27.4	7.8	7.8	28.7	28.7	78.9	78.9	5.3	4.8	4	83	87	815622	804265	<0.2	1.3	1.3	1.3					
						1.0	0.3	227	27.4	27.4	7.8	7.8	28.7	28.7	78.9	78.9	5.3	4.8	3	84	87	815622	804265	<0.2	1.4	1.4	1.3					
						3.8	0.3	208	28.1	28.1	7.8	7.8	25.5	25.5	60.5	60.5	4.1	5.9	4	87	89	815622	804265	<0.2	1.3	1.3	1.3					
					3.8	0.3	219	28.1	28.1	7.8	7.8	25.5	25.5	60.5	60.5	4.1	5.9	5	88	91	815622	804265	<0.2	1.4	1.4	1.3						
					6.5	0.3	237	26.9	26.9	7.7	7.7	31.0	31.0	56.0	56.0	3.8	10.9	5	91	91	815622	804265	<0.2	1.3	1.3	1.3						
					6.5	0.3	222	26.9	26.9	7.7	7.7	31.0	31.0	56.5	56.5	3.8	11.0	6	91	91	815622	804265	<0.2	1.3	1.3	1.3						
C2	Cloudy	Moderate	14:00	12.1	Surface	1.0	0.3	149	28.7	28.7	8.1	8.1	19.3	19.2	73.4	73.5	5.1	2.8	5	85	87	825661	806923	<0.2	1.6	1.5	1.5					
						1.0	0.3	161	28.7	28.7	8.1	8.1	19.2	19.2	73.5	73.5	5.1	2.8	4	85	86	825661	806923	<0.2	1.5	1.5	1.5					
						6.1	0.4	146	27.7	27.7	8.1	8.1	23.9	23.9	62.5	62.5	4.3	4.2	6	86	87	825661	806923	<0.2	1.5	1.5	1.5					
					6.1	0.4	158	27.7	27.7	8.1	8.1	23.9	23.9	62.5	62.5	4.3	4.2	5	87	89	825661	806923	<0.2	1.5	1.5	1.5						
					11.1	0.3	136	27.4	27.4	8.1	8.1	25.2	25.2	60.3	60.4	4.1	14.2	7	89	90	825661	806923	<0.2	1.5	1.5	1.5						
					11.1	0.3	138	27.4	27.4	8.1	8.1	25.2	25.2	60.5	60.5	4.2	14.1	8	90	90	825661	806923	<0.2	1.5	1.5	1.5						
C3	Cloudy	Moderate	16:30	11.0	Surface	1.0	0.1	111	27.6	27.6	8.3	8.3	25.4	25.4	77.0	77.0	5.3	1.7	5	85	88	822096	817791	<0.2	1.1	1.0	1.1					
						1.0	0.1	121	27.6	27.6	8.3	8.3	25.4	25.4	76.9	76.9	5.3	1.7	5	86	88	822096	817791	<0.2	1.0	1.0	1.1					
						5.5	0.3	137	26.5	26.5	8.4	8.4	28.3	28.3	65.3	65.2	4.5	2.4	6	88	89	822096	817791	<0.2	1.1	1.0	1.1					
					5.5	0.3	152	26.5	26.5	8.4	8.4	28.3	28.3	65.1	65.1	4.5	2.4	7	88	89	822096	817791	<0.2	1.0	1.0	1.1						
					10.0	0.2	111	25.2	25.2	8.4	8.4	31.7	31.7	59.1	59.3	4.1	3.2	7	89	89	822096	817791	<0.2	1.0	1.0	1.1						
					10.0	0.2	113	25.2	25.2	8.4	8.4	31.7	31.7	59.5	59.5	4.1	3.1	9	89	89	822096	817791	<0.2	1.1	1.1	1.1						
IM1	Sunny	Moderate	14:40	4.9	Surface	1.0	0.2	214	29.1	29.1	7.8	7.8	21.1	21.1	74.7	74.7	5.1	2.6	3	83	87	817945	807142	<0.2	1.4	1.4	1.4					
						1.0	0.2	211	29.0	29.0	7.8	7.8	21.1	21.1	74.7	74.7	5.1	2.6	3	83	87	817945	807142	<0.2	1.4	1.4	1.4					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					3.9	0.0	241	28.1	28.2	7.8	7.8	26.0	26.0	65.0	65.3	4.4	5.6	7	91	91	817945	807142	<0.2	1.4	1.4	1.4						
					3.9	0.0	256	28.2	28.2	7.8	7.8	26.0	26.0	65.5	65.5	4.4	5.6	8	92	92	817945	807142	<0.2	1.4	1.4	1.5						
					3.9	0.0	204	29.1	29.1	7.8	7.8	20.8	20.8	76.4	76.4	5.2	2.6	3	83	84	817945	807142	<0.2	1.4	1.4	1.4						
IM2	Sunny	Moderate	14:35	7.0	Surface	1.0	0.3	204	29.1	29.1	7.8	7.8	20.8	20.8	76.4	76.4	5.2	2.6	3	83	88	818166	806162	<0.2	1.4	1.4	1.4					
						1.0	0.3	218	29.0	29.0	7.8	7.8	20.8	20.8	76.4	76.4	5.2	2.6	3	84	88	818166	806162	<0.2	1.4	1.4	1.4					
						3.5	0.5	130	28.4	28.4	7.8	7.7	24.0	24.0	66.1	66.1	4.5	2.7	4	88	88	818166	806162	<0.2	1.3	1.3	1.4					
					3.5	0.5	131	28.3	28.3	7.7	7.7	24.0	24.0	66.1	66.1	4.5	2.7	4	88	91	818166	806162	<0.2	1.4	1.4	1.4						
					6.0	0.2	156	27.6	27.6	7.7	7.7	28.5	28.5	59.3	59.6	4.0	5.9	4	91	91	818166	806162	<0.2	1.4	1.4	1.4						
					6.0	0.2	147	27.6	27.6	7.7	7.7	28.5	28.5	59.9	59.9	4.0	6.0	4	91	91	818166	806162	<0.2	1.4	1.4	1.4						
IM3	Fine	Moderate	14:29	7.1	Surface	1.0	0.4	147	29.0	29.0	7.8	7.8	21.2	21.2	75.4	75.4	5.2	2.5	12	80	86	818783	805598	<0.2	1.4	1.4	1.4					
						1.0	0.4	155	29.0	29.0	7.8	7.8	21.2	21.2	75.3	75.3	5.2	2.5	13	80	88	818783	805598	<0.2	1.4	1.4	1.4					
						3.6	0.4	130	27.9	27.9	7.7	7.7	27.2	27.2	61.8	61.9	4.2	3.4	10	88	88	818783	805598	<0.2	1.5	1.5	1.4					
					3.6	0.4	140	27.9	27.9	7.7	7.7	27.2	27.2	62.0	62.0	4.2	3.4	9	88	88	818783	805598	<0.2	1.3	1.3	1.4						
					6.1	0.2	143	27.5	27.5	7.7	7.7	29.1	29.1	53.6	53.6	3.6	6.3	6	91	91	818783	805598	<0.2	1.4	1.4	1.4						
					6.1	0.3	134	27.5	27.5	7.7	7.7	29.0	29.0	54.0	53.8	3.6	6.3	5	91	91	818783	805598	<0.2	1.3	1.3	1.3						
IM4	Fine	Moderate	14:20	8.0	Surface	1.0	0.7	152	28.6	28.6	7.8	7.8	23.0	23.0	65.0	65.0	4.4	3.2	6	83	87	819714	804628	<0.2	1.2	1.1	1.2					
						1.0	0.7	144	28.6	28.6	7.8	7.8	23.0	23.0	64.9	64.9	4.4	3.2	6	83	88	819714	804628	<0.2	1.1	1.1	1.2					
						4.0	0.6	134	27.6	27.6	7.8	7.8	27.7	27.7	76.4	76.4	5.2	7.1	5	88	88	819714	804628	<0.2	1.2	1.2	1.2					
					4.0	0.6	131	27.6	27.6	7.8	7.8	27.7	27.7	76.4	76.4	5.2	7.2	5	88	88	819714	804628	<0.2	1.2	1.2	1.2						
					7.0	0.4	122	27.3	27.3	7.8	7.8	29.4	29.4	53.5	53.5	3.6	10.0	3	91	91	819714	804628	<0.2	1.2	1.2	1.2						
					7.0	0.4	132	27.3	27.3	7.8	7.8	29.4	29.4	54.1	53.8	3.6	10.1	4	91	91	819714	804628	<0.2	1.2	1.2	1.2						
IM5	Fine	Moderate	14:11	7.7	Surface	1.0	0.9	152	28.8	28.8	7.8	7.8	22.5	22.5	77.1	77.3	5.3	2.6	4	83	88	820746	804867	<0.2	1.2	1.1	1.2					
						1.0	1.0	153	28.8	28.8	7.8	7.8	22.5	22.5	77.1	77.1	5.3	2.6	5	84	88	820746	804867	<0.2	1.1	1.1	1.2					
						3.9	0.8	153	27.7	27.7	7.8	7.8	27.7	27.7	68.1	68.1	4.6	7.2	6	88	89	820746	804867	<0.2	1.2	1.2	1.2					
					3.9	0.8	157	27.8	27.8	7.8	7.8	27.6	27.7	68.5	68.3	4.6	7.3	6	89	89	820746	804867	<0.2	1.2	1.2	1.2						
					6.7	0.5	140	27.4	27.4	7.8	7.8	29.3	29.3	52.6	52.6	3.5	9.4	6	91	91	820746	804867	<0.2	1.2	1.2	1.2						
					6.7	0.6	142	27.4	27.4	7.8	7.8	29.3	29.3	52.9	52.8	3.6	9.4	7	92	92	820746	804867	<0.2	1.1	1.1	1.1						
IM6	Fine	Moderate	14:05	7.8	Surface	1.0	0.2	166	28.1	28.1	7.8	7.8	26.4	26.4	64.5	64.6	4.4	3.6	11	83	88	821083	805818	<0.2	1.7	1.7	1.7					
						1.0	0.3	167	28.1	28.1	7.8	7.8	26.4	26.4	64.6	64.6	4.4	3.6	11	87	88	821083	805818	<0.2	1.7	1.7	1.7					
						3.9	0.2	165	27.7	27.7	7.8	7.8	27.9	27.9	72.3	72.4	4.9	5.5	8	88	88	821083	805818	<0.2	1.7	1.7	1.7					
					3.9	0.2	166																									

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

Water Quality Monitoring Results on 20 August 19 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	14:37	7.7	Surface	1.0	0.3	194	28.3	28.3	8.2	8.2	21.1	21.0	73.5	73.8	5.1	8.6	4	86	88	822109	808819	<0.2	1.4	1.4						
						1.0	0.3	188	28.3	8.2	8.2	21.0	21.0	74.0	73.8	5.1	8.7	4	86	88												
					Middle	3.9	0.4	179	27.7	27.8	8.2	8.2	24.2	24.1	62.0	62.1	4.3	7.0	11	88	89											
						3.9	0.4	182	27.8	8.2	8.2	24.1	24.1	62.2	62.1	4.3	6.7	10	89	89												
					Bottom	6.7	0.3	169	27.4	27.4	8.2	8.2	26.3	26.3	59.8	59.9	4.1	4.1	19.2	22	89	89										
						6.7	0.3	174	27.4	8.2	8.2	26.3	26.3	60.0	60.0	4.1	4.1	19.1	21	89	89											
IM10	Cloudy	Moderate	14:45	8.1	Surface	1.0	0.3	208	28.4	28.4	8.2	8.2	21.1	21.1	70.2	70.2	4.9	3.7	6	85	85	822402	809774	<0.2	1.4	1.3						
						1.0	0.3	213	28.4	8.2	8.2	21.1	21.1	70.1	70.1	4.9	3.8	6	85	85												
					Middle	4.1	0.2	214	27.9	27.9	8.2	8.2	23.0	23.0	67.8	67.9	4.7	4.3	7	88	88											
						4.1	0.2	225	27.9	8.2	8.2	23.1	23.1	67.9	67.9	4.7	4.2	7	88	88												
					Bottom	7.1	0.2	183	27.1	27.1	8.3	8.2	25.8	25.8	63.3	63.5	4.4	4.4	9.5	14	90	90										
						7.1	0.2	199	27.1	8.2	8.2	25.9	25.9	63.6	63.6	4.4	4.4	9.8	15	90	90											
IM11	Cloudy	Moderate	14:58	8.6	Surface	1.0	0.2	205	27.5	27.5	8.2	8.2	24.5	24.5	72.6	72.9	5.0	7.0	6	86	86	822039	811471	<0.2	1.4	1.4						
						1.0	0.2	221	27.4	8.2	8.2	24.5	24.5	73.2	73.2	5.0	7.1	6	86	86												
					Middle	4.3	0.1	238	27.3	27.4	8.3	8.3	25.2	25.2	62.9	63.3	4.3	4.4	8	88	88											
						4.3	0.1	243	27.4	8.3	8.3	25.1	25.1	63.7	63.7	4.4	5.5	8	89	89												
					Bottom	7.6	0.1	188	26.8	26.8	8.3	8.3	26.9	26.9	61.5	61.5	4.2	4.2	10.2	11	90	90										
						7.6	0.1	186	26.8	8.3	8.3	26.9	26.9	61.7	61.6	4.2	4.2	10.1	11	90	90											
IM12	Cloudy	Moderate	15:05	9.4	Surface	1.0	0.1	256	27.5	27.5	8.2	8.2	24.9	24.9	69.0	69.1	4.8	3.7	8	85	85	821471	812023	<0.2	1.2	1.2						
						1.0	0.1	280	27.5	8.2	8.2	24.9	24.9	68.2	68.2	4.8	3.6	9	85	85												
					Middle	4.7	0.1	246	27.1	27.2	8.3	8.3	26.5	26.5	64.2	64.4	4.4	4.4	11.7	10	88	88										
						4.7	0.1	238	27.2	8.3	8.3	26.4	26.4	64.6	64.4	4.4	11.6	11	89	89												
					Bottom	8.4	0.1	207	26.5	26.5	8.3	8.3	27.8	27.8	60.2	60.3	4.1	4.1	6.7	12	90	90										
						8.4	0.1	203	26.5	8.3	8.3	27.8	27.8	60.4	60.4	4.2	4.2	6.7	12	90	90											
SR1A	Cloudy	Calm	15:40	5.1	Surface	1.0	-	-	28.4	28.4	8.2	8.2	22.1	22.1	75.5	75.5	5.2	3.7	6	-	-	819970	812656	-	-	-						
						1.0	-	-	28.4	8.2	8.2	22.1	22.1	75.4	75.4	5.2	3.6	5	-	-												
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
					Bottom	4.1	-	-	26.4	26.4	8.2	8.2	28.2	28.2	59.0	59.2	4.1	4.1	9.1	14	-	-	-	-	-		-	-	-			
						4.1	-	-	26.4	8.2	8.2	28.2	28.2	59.4	59.4	4.1	4.1	9.2	15	-	-	-	-	-	-		-	-	-			
SR2	Cloudy	Moderate	16:06	5.2	Surface	1.0	0.4	235	28.2	28.2	8.3	8.3	23.7	23.8	73.0	73.0	5.0	4.2	7	84	84	821480	814147	<0.2	1.2	1.2						
						1.0	0.4	224	28.2	8.3	8.3	23.8	23.8	72.9	72.9	5.0	4.3	8	85	85												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
					Bottom	4.2	0.3	258	26.5	26.5	8.3	8.3	28.1	28.1	62.1	62.3	4.3	4.3	7.6	13	88	88										
						4.2	0.3	229	26.4	8.3	8.3	28.1	28.1	62.4	62.4	4.3	7.7	14	88	88												
SR3	Cloudy	Moderate	14:26	8.9	Surface	1.0	0.1	169	28.5	28.5	8.2	8.2	20.6	20.6	72.0	72.2	5.0	7.3	6	-	-	822160	807573	-	-	-						
						1.0	0.1	150	28.5	8.2	8.2	20.6	20.6	72.3	72.3	5.0	7.3	6	-	-												
					Middle	4.5	0.3	158	27.8	27.8	8.2	8.2	23.0	23.0	64.7	64.7	4.5	6.3	6	-	-											
						4.5	0.3	162	27.7	8.2	8.2	23.0	23.0	64.6	64.6	4.5	6.6	7	-	-												
					Bottom	7.9	0.4	152	27.3	27.4	8.2	8.2	27.4	27.4	60.1	60.3	4.1	4.1	10.2	11	-	-										
						7.9	0.4	153	27.4	8.2	8.2	27.4	27.4	60.5	60.5	4.1	10.3	11	-	-												
SR4A	Sunny	Moderate	15:37	8.5	Surface	1.0	0.7	73	28.8	28.8	7.8	7.8	22.6	22.6	73.2	73.1	5.0	4.9	14	-	-	817207	807830	-	-	-						
						1.0	0.7	77	28.8	7.8	7.8	22.6	22.6	73.0	73.0	5.0	4.9	13	-	-												
					Middle	4.3	0.7	59	28.2	28.2	7.8	7.8	25.3	25.4	63.0	62.8	4.3	6.9	9	-	-											
						4.3	0.7	60	28.2	7.8	7.8	25.5	25.4	62.8	62.9	4.3	6.9	9	-	-												
					Bottom	7.5	0.2	65	27.9	27.9	7.7	7.7	27.1	27.1	57.9	58.2	3.9	8.5	8	-	-											
						7.5	0.2	66	27.9	7.7	7.7	27.1	27.1	58.5	58.2	3.9	8.5	8	-	-												
SR5A	Sunny	Moderate	15:50	4.7	Surface	1.0	0.4	110	29.4	29.4	7.8	7.8	21.8	21.8	77.9	77.8	5.3	7.0	9	-	-	816572	810713	-	-	-						
						1.0	0.4	116	29.4	7.8	7.8	21.9	21.8	77.7	77.7	5.3	7.0	9	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
					Bottom	3.7	0.3	118	29.3	29.3	7.8	7.8	22.0	22.0	78.9	79.1	5.3	7.4	10	-	-											
						3.7	0.3	129	29.3	7.8	7.8	22.0	22.0	79.3	79.3	5.3	7.3	10	-	-												
SR6A	Sunny	Moderate	16:17	4.3	Surface	1.0	0.1	80	29.4	29.4	7.8	7.8	21.8	21.8	79.6	79.5	5.4	3.0	8	-	-	817971	814751	-	-	-						
						1.0	0.1	85	29.4	7.8	7.8	21.8	21.8	79.3	79.3	5.4	3.1	7	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
					Bottom	3.3	0.1	74	28.5	28.5	7.8	7.8	23.8	23.8	70.7	70.4	4.8	5.5	8	-	-											
						3.3	0.1	77	28.4	7.8	7.8	23.9	23.8	70.1	70.1	4.8	5.7	7	-	-												
SR7	Cloudy	Moderate	16:58	15.8	Surface	1.0	0.2	70	26.5	26.5	8.3	8.3	27.6	27.6	75.8	76.4	5.2	4.8	8	-	-	823654	823744	-	-	-						
						1.0	0.3	74	26.5	8.3	8.3	27.7	27.6	76.9	76.9	5.2	5.1	8	-	-												
					Middle	7.9	0.3	80	25.7	25.8	8.3	8.3	31.2	31.1	74.2	74.2	5.2	4.6	6	-	-											
						7.9	0.3	86	25.8	8.3	8.3	31.0	31.1	74.1	74.1	5.2	4.5	6	-	-												
					Bottom	14.8	0.2	67	24.9	24.9	8.4	8.4	32.4	32.4	51.5	51.6	3.6	6.0	6	-	-											
						14.8	0.2	69	24.9	8.4	8.4	32.4	32.4	51.7	51.7	3.6	5.9	6	-	-												
SR8	Cloudy	Calm	15:15	5.6	Surface	1.0	-	-	27.5	27.5	8.2	8.2	24.9	24.9	66.7	66.7	4.6	3.6	9	-	-	820374	811628	-	-	-						
						1.0	-	-	27.5																							

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

Water Quality Monitoring Results on 20 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Rough	09:02	8.5	Surface	1.0	0.3	37	28.8	28.9	7.8	7.8	22.1	22.1	69.8	69.9	4.8	3.0	5	85	88	815613	804268	<0.2	1.3	<0.2	1.3					
						1.0	0.4	40	28.9	7.8	7.8	22.1	22.1	69.9	69.9	4.8	3.0	5	85	88												
						4.3	0.3	50	28.2	28.2	7.8	7.8	25.3	25.3	65.3	65.3	4.4	4.4	4	87	88											
					4.3	0.4	51	28.2	28.2	7.8	7.8	25.3	25.3	65.4	65.4	4.5	4.4	5	88	88												
					7.5	0.2	53	27.7	27.7	7.8	7.8	28.2	28.1	54.4	54.5	3.7	6.2	6	91	90												
					7.5	0.2	58	27.7	27.7	7.8	7.8	28.1	28.1	54.6	54.6	3.7	6.2	6	92	90												
C2	Cloudy	Moderate	10:43	12.4	Surface	1.0	0.3	350	28.8	28.8	8.1	8.1	19.1	19.1	75.6	75.5	5.3	2.8	4	86	88	825689	806939	<0.2	1.7	<0.2	1.7					
						1.0	0.4	322	28.8	28.8	8.1	8.1	19.1	19.1	75.3	75.3	5.2	2.8	4	86	88											
						6.2	0.4	343	27.8	27.8	8.2	8.2	23.5	23.5	62.7	62.6	4.3	3.7	5	88	88											
					6.2	0.4	353	27.8	27.8	8.2	8.2	23.5	23.5	62.5	62.5	4.3	3.7	6	89	89												
					11.4	0.2	33	27.3	27.3	8.2	8.2	25.6	25.5	60.2	60.3	4.1	17.7	10	90	90												
					11.4	0.2	34	27.3	27.3	8.2	8.2	25.5	25.5	60.4	60.4	4.2	17.3	10	90	90												
C3	Cloudy	Moderate	08:26	11.2	Surface	1.0	0.5	256	27.9	27.9	8.1	8.1	22.6	22.6	70.8	70.8	4.9	2.5	2	85	86	822113	817813	<0.2	1.4	<0.2	1.4					
						1.0	0.6	276	27.9	27.9	8.1	8.1	22.5	22.5	70.7	70.7	4.9	2.5	3	86	89											
						5.6	0.6	258	26.5	26.5	8.1	8.1	27.8	27.8	60.6	60.7	4.2	2.3	6	89	89											
					5.6	0.7	262	26.5	26.5	8.1	8.1	27.8	27.8	60.7	60.7	4.2	2.3	6	89	89												
					10.2	0.3	288	25.8	25.8	8.1	8.1	29.7	29.6	59.3	59.5	4.1	8.2	7	90	90												
					10.2	0.4	301	25.8	25.8	8.1	8.1	29.6	29.6	59.7	59.7	4.1	8.0	6	91	91												
IM1	Cloudy	Rough	09:30	5.7	Surface	1.0	0.4	357	28.5	28.5	7.8	7.8	24.1	24.1	68.5	68.5	4.7	3.2	4	83	84	817945	807154	<0.2	1.5	<0.2	1.5					
						1.0	0.5	328	28.5	28.5	7.8	7.8	24.0	24.0	68.4	68.4	4.6	3.3	4	84	84											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					4.7	0.3	351	27.8	27.8	7.8	7.8	27.8	27.5	56.1	56.3	3.8	9.9	5	88	88												
					4.7	0.3	323	27.8	27.8	7.8	7.8	27.5	27.5	56.5	56.5	3.8	10.0	5	88	88												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		
IM2	Cloudy	Moderate	09:35	7.5	Surface	1.0	0.4	20	28.4	28.4	7.8	7.8	24.5	24.5	65.3	65.1	4.4	2.6	4	87	86	818156	806185	<0.2	1.3	<0.2	1.3					
						1.0	0.4	20	28.4	28.4	7.8	7.8	24.6	24.6	64.9	64.9	4.4	2.7	2	86	88											
						3.8	0.4	13	27.9	27.9	7.8	7.8	27.3	27.3	79.9	79.1	5.3	7.9	3	89	89											
					3.8	0.4	13	27.9	27.9	7.8	7.8	27.3	27.3	79.3	79.3	5.4	7.9	3	89	89												
					6.5	0.3	354	27.6	27.6	7.8	7.8	28.4	28.4	55.8	56.1	3.8	8.7	2	90	90												
					6.5	0.3	326	27.6	27.6	7.8	7.8	28.5	28.4	56.4	56.4	3.8	8.8	2	89	89												
IM3	Cloudy	Moderate	09:41	7.3	Surface	1.0	0.4	359	28.6	28.6	7.8	7.8	23.6	23.6	71.7	71.7	4.9	2.7	2	86	85	818768	805586	<0.2	1.3	<0.2	1.3					
						1.0	0.5	330	28.5	28.5	7.8	7.8	23.7	23.7	71.7	71.7	4.9	2.7	2	85	88											
						3.7	0.4	356	28.5	28.5	7.8	7.8	24.1	24.1	67.1	67.0	4.6	2.9	3	88	88											
					3.7	0.5	329	28.5	28.5	7.8	7.8	24.1	24.1	66.9	66.9	4.6	2.9	3	88	88												
					6.3	0.3	339	27.7	27.7	7.8	7.8	27.9	27.9	55.3	55.3	3.7	4.3	4	90	90												
					6.3	0.3	312	27.7	27.7	7.8	7.8	28.0	27.9	55.9	55.6	3.8	4.3	3	91	91												
IM4	Cloudy	Moderate	09:57	7.8	Surface	1.0	0.8	357	28.7	28.7	7.8	7.8	23.1	23.1	72.5	72.5	4.9	2.8	2	85	85	819705	804602	<0.2	1.3	<0.2	1.3					
						1.0	0.8	328	28.7	28.7	7.8	7.8	23.2	23.2	72.5	72.5	4.9	2.7	2	85	88											
						3.9	0.6	339	28.3	28.3	7.8	7.8	24.5	24.5	64.6	64.5	4.4	3.2	3	87	87											
					3.9	0.7	312	28.2	28.2	7.8	7.8	24.6	24.5	64.4	64.4	4.4	3.2	3	87	87												
					6.8	0.5	330	27.6	27.6	7.8	7.8	28.3	28.4	56.2	56.2	3.8	3.8	2	89	89												
					6.8	0.6	356	27.6	27.6	7.8	7.8	28.6	28.6	56.1	56.1	3.8	3.8	2	90	90												
IM5	Cloudy	Moderate	10:04	7.9	Surface	1.0	0.9	338	28.4	28.4	7.8	7.8	24.4	24.3	65.2	65.3	4.4	5.4	3	86	85	820719	804868	<0.2	1.1	<0.2	1.1					
						1.0	1.0	346	28.3	28.3	7.8	7.8	24.3	24.3	65.4	65.4	4.5	5.4	3	85	89											
						4.0	0.8	353	27.6	27.6	7.8	7.8	28.2	28.1	68.9	68.9	4.7	7.6	3	89	90											
					4.0	0.8	325	27.6	27.6	7.8	7.8	28.1	28.1	68.8	68.8	4.7	7.6	3	90	90												
					6.9	0.6	5	27.3	27.3	7.8	7.8	29.7	29.7	55.4	55.4	3.7	10.1	2	91	90												
					6.9	0.6	5	27.3	27.3	7.8	7.8	29.7	29.7	55.4	55.4	3.7	10.1	2	90	90												
IM6	Cloudy	Moderate	10:12	8.0	Surface	1.0	0.3	333	28.8	28.8	7.8	7.8	22.4	22.4	68.9	68.9	4.7	5.6	4	84	85	821078	805823	<0.2	1.2	<0.2	1.2					
						1.0	0.4	356	28.7	28.7	7.8	7.8	22.4	22.4	68.8	68.8	4.7	5.7	4	85	88											
						4.0	0.4	353	27.9	27.9	7.8	7.8	26.4	26.4	67.2	67.2	4.6	12.7	4	88	89											
					4.0	0.5	325	27.9	27.9	7.8	7.8	26.4	26.4	67.2	67.2	4.6	12.7	3	89	90												
					7.0	0.3	14	27.7	27.7	7.8	7.8	28.1	28.1	55.0	55.1	3.7	15.1	2	90	90												
					7.0	0.3	15	27.7	27.7	7.8	7.8	28.1	28.1	55.1	55.1	3.7	15.1	4	89	89												
IM7	Cloudy	Moderate	10:17	7.5	Surface	1.0	0.0	21	29.1	29.1	7.8	7.8	20.2	20.3	71.3	71.2	4.9	3.9	2	86	85	821342	806833	<0.2	1.1	<0.2	1.1					
						1.0	0.0	21	29.0	29.0	7.8	7.8	20.3	20.3	71.1	71.1	4.9	3.9	2	85	88											
						3.8	0.3	94	28.4	28.4	7.8	7.8	24.2	24.3	64.8	64.8	4.4	6.5	3	88	88											
					3.8	0.3	98	28.4	28.4	7.8	7.8	24.3	24.3	64.7	64.7	4.4	6.5	2	90	90												
					6.5	0.3	75	28.0	28.0	7.8	7.8	24.8	24.9	62.3	62.3	4.3	9.3	4	89	89												
					6.5	0.3	79	28.0	28.0	7.8	7.8	25.0	24.9	62.2	62.2	4.3	9.3	4	90	90												
IM8	Cloudy	Moderate	10:17	7.9	Surface	1.0	0.1	39	28.5	28.5	8.1	8.1	19.5	19.5	74.9	74.9	5.2	3.2	7	84	85	821813	808155	<0.2	1.3	<0.2	1.3					
						1.0	0.1	42	28.5	28.5	8.1	8.1	19.5	19.5	74.9	74.9	5.2	3.2	6	85	88											
						4.0	0.2	100	28.0	28.0	8.1	8.1	22.5	22.5	65.6	65.6	4.5	4.7	6	88	88											
					4.0	0.2	109	28.0	28.0	8.1	8.1	22.5	22.5	65.5	65.5	4.5	4.8	6	88	88												
					6.9	0.3	86	27.7	27.7	8.1	8.1	24.2	24.1	64.1	64.2	4.4	6.4	8	90	90												
					6.9	0.3	94	27.8	27.8	8.1	8.1	24.1	24.1	64.2	64.2	4.4	6.3	7	90	90												

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	16:11	8.2	Surface	1.0	0.1	128	29.4	29.4	8.0	8.0	16.5	16.5	89.9	89.7	6.3	2.8	<2	85	88	815633	804245	<0.2	2.1	<0.2	2.1					
						1.0	0.1	130	29.4	29.4	8.0	8.0	16.5	16.5	89.4	89.4	6.2	2.7	<2	87				<0.2	2.1							
						4.1	0.3	147	27.4	27.4	7.9	7.9	28.6	28.6	62.1	62.3	4.2	14.1	2	88				<0.2	2.2							
					4.1	0.3	149	27.4	27.4	7.9	7.9	28.6	28.6	62.4	62.4	4.2	14.2	2	89	<0.2				2.0								
					7.2	0.2	134	27.3	27.3	7.9	7.9	29.0	29.0	60.2	60.3	4.1	13.4	4	90	<0.2				1.9								
					7.2	0.2	135	27.3	27.3	7.9	7.9	29.0	29.0	60.3	60.3	4.1	13.2	3	90	<0.2				2.2								
C2	Cloudy	Moderate	15:15	11.6	Surface	1.0	0.3	120	28.8	28.8	7.8	7.8	20.5	20.4	67.2	67.2	4.6	3.3	5	85	88	825679	806949	<0.2	2.1	<0.2	2.1					
						1.0	0.3	133	28.7	28.7	7.9	7.9	20.4	20.4	67.1	67.1	4.6	3.3	4	85				<0.2	2.2							
						5.8	0.4	135	27.9	27.9	7.9	7.9	26.0	26.1	61.3	61.3	4.2	5.8	4	88				<0.2	2.1							
					5.8	0.4	134	27.9	27.9	7.9	7.9	26.1	26.1	61.2	61.2	4.2	5.8	5	87	<0.2				2.2								
					10.6	0.4	130	27.7	27.7	7.8	7.8	26.6	26.6	59.7	59.7	4.1	11.2	4	90	<0.2				2.1								
					10.6	0.4	113	27.7	27.7	7.8	7.8	26.6	26.6	59.7	59.7	4.1	11.2	5	90	<0.2				2.0								
C3	Cloudy	Moderate	17:23	12.5	Surface	1.0	0.2	95	29.3	29.3	7.9	7.9	23.9	23.9	91.9	91.9	6.2	1.3	3	86	88	822130	817785	<0.2	1.4	<0.2	1.4					
						1.0	0.2	96	29.3	29.3	7.9	7.9	23.9	23.9	91.8	91.8	6.2	1.3	2	87				<0.2	1.5							
						6.3	0.3	60	26.5	26.5	7.9	7.9	30.0	30.1	67.9	67.7	4.6	2.8	4	87				<0.2	1.4							
					6.3	0.3	67	26.4	26.4	7.9	7.9	30.1	30.1	67.5	67.5	4.6	3.0	5	88	<0.2				1.5								
					11.5	0.1	99	26.2	26.2	7.9	7.9	30.7	30.7	62.4	62.6	4.2	3.8	7	90	<0.2				1.5								
					11.5	0.1	102	26.2	26.2	7.9	7.9	30.7	30.7	62.7	62.7	4.3	3.7	5	89	<0.2				1.5								
IM1	Cloudy	Calm	15:58	5.4	Surface	1.0	0.1	285	29.7	29.8	8.0	8.0	17.2	17.2	93.1	93.2	6.4	1.9	<2	85	88	817941	807118	<0.2	2.0	<0.2	2.0					
						1.0	0.1	295	29.8	29.8	8.0	8.0	17.1	17.1	93.3	93.3	6.4	2.0	2	86				<0.2	2.1							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-					
					4.4	0.1	99	29.1	29.1	7.9	7.9	20.8	20.8	87.2	87.4	6.0	6.0	15.5	<2	89				<0.2	2.2							
					4.4	0.1	106	29.1	29.1	7.9	7.9	20.8	20.8	87.6	87.6	6.0	6.0	15.7	<2	90				<0.2	2.2							
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-					
IM2	Cloudy	Calm	15:51	7.6	Surface	1.0	0.2	146	29.5	29.5	7.9	7.9	16.5	16.5	86.9	86.6	6.1	2.0	3	85	88	818176	806142	<0.2	2.1	<0.2	2.1					
						1.0	0.2	150	29.4	29.4	7.9	7.9	16.5	16.5	86.3	86.3	6.0	2.0	2	86				<0.2	2.2							
						3.8	0.2	131	28.0	28.0	7.9	7.9	26.1	26.2	67.7	67.7	4.6	9.7	3	89				<0.2	2.5							
					3.8	0.2	133	28.0	28.0	7.9	7.9	26.3	26.3	67.6	67.6	4.6	10.0	<2	89	<0.2				2.6								
					6.6	0.0	141	28.1	28.2	7.9	7.9	27.1	27.1	68.7	69.0	4.6	14.8	3	90	<0.2				2.6								
					6.6	0.0	143	28.2	28.2	7.9	7.9	27.0	27.0	69.3	69.0	4.7	14.8	3	90	<0.2				2.4								
IM3	Cloudy	Moderate	15:46	7.5	Surface	1.0	0.4	158	30.0	30.0	7.9	7.9	15.3	15.3	88.8	88.8	6.2	1.9	2	86	89	818779	805607	<0.2	2.4	<0.2	2.4					
						1.0	0.5	155	30.0	30.0	7.9	7.9	15.3	15.3	88.7	88.7	6.2	1.9	3	86				<0.2	2.5							
						3.8	0.3	161	28.3	28.3	7.9	7.9	24.2	24.2	71.4	71.3	4.9	3.3	2	88				<0.2	2.5							
					3.8	0.3	150	28.2	28.2	7.9	7.9	24.2	24.2	71.2	71.3	4.9	3.5	<2	89	<0.2				2.4								
					6.5	0.2	129	27.8	27.8	7.9	7.9	27.3	27.8	70.9	70.9	4.8	16.1	2	91	<0.2				2.4								
					6.5	0.2	130	27.8	27.8	7.9	7.9	27.4	27.3	71.6	71.3	4.8	16.1	3	91	<0.2				2.4								
IM4	Cloudy	Moderate	15:37	7.9	Surface	1.0	0.6	150	29.2	29.2	7.9	7.9	18.0	18.0	83.9	83.9	5.8	1.7	3	85	88	819724	804613	<0.2	2.5	<0.2	2.5					
						1.0	0.6	151	29.2	29.2	7.9	7.9	18.0	18.0	83.8	83.8	5.8	1.7	2	85				<0.2	2.6							
						4.0	0.4	144	28.2	28.2	7.9	7.9	25.0	25.0	72.1	72.1	4.9	4.5	3	88				<0.2	2.6							
					4.0	0.4	160	28.2	28.2	7.9	7.9	25.0	25.0	72.1	72.1	4.9	4.3	3	88	<0.2				2.6								
					6.9	0.3	134	28.0	28.0	7.9	7.9	26.8	26.8	72.0	72.0	4.9	12.1	<2	90	<0.2				2.5								
					6.9	0.4	133	28.0	28.0	7.9	7.9	26.8	26.8	72.3	72.2	4.9	12.2	2	90	<0.2				2.5								
IM5	Cloudy	Moderate	15:25	7.2	Surface	1.0	0.8	166	29.9	29.9	8.0	8.0	16.5	16.5	91.5	91.5	6.3	1.6	<2	86	88	820724	804890	<0.2	2.6	<0.2	2.6					
						1.0	0.8	162	29.9	29.9	8.0	8.0	16.5	16.5	91.5	91.5	6.3	1.6	<2	86				<0.2	2.5							
						3.6	0.8	158	28.6	28.6	7.9	7.9	21.9	21.9	81.8	81.7	5.6	4.6	4	88				<0.2	2.5							
					3.6	0.9	155	28.5	28.5	7.9	7.9	21.9	21.9	81.6	81.6	5.6	4.4	2	89	<0.2				2.5								
					6.2	0.4	148	28.0	28.0	7.9	7.9	26.8	26.8	68.0	68.0	4.6	10.2	5	90	<0.2				2.5								
					6.2	0.4	144	28.1	28.1	7.9	7.9	26.8	26.8	68.5	68.3	4.6	10.0	5	91	<0.2				2.5								
IM6	Cloudy	Moderate	15:18	6.9	Surface	1.0	0.1	164	29.4	29.4	7.9	7.9	20.3	20.3	83.0	83.0	5.7	2.6	2	85	88	821041	805823	<0.2	2.6	<0.2	2.6					
						1.0	0.1	168	29.4	29.4	7.9	7.9	20.3	20.3	82.9	82.9	5.7	2.6	4	85				<0.2	2.8							
						3.5	0.1	169	28.1	28.1	7.9	7.9	24.9	24.8	70.4	70.5	4.8	8.7	2	88				<0.2	2.6							
					3.5	0.1	179	28.1	28.1	7.9	7.9	24.8	24.8	70.5	70.5	4.8	9.8	2	88	<0.2				2.7								
					5.9	0.1	159	28.3	28.3	7.9	7.9	27.0	27.0	65.7	65.7	4.4	15.7	3	89	<0.2				2.6								
					5.9	0.1	166	28.4	28.4	7.9	7.9	27.0	27.0	69.5	67.6	4.4	15.4	3	90	<0.2				2.7								
IM7	Cloudy	Moderate	15:10	7.7	Surface	1.0	0.1	183	29.4	29.4	7.9	7.9	16.8	16.8	83.4	83.2	5.8	3.6	4	85	88	821370	806844	<0.2	2.5	<0.2	2.5					
						1.0	0.1	182	29.3	29.3	7.9	7.9	16.8	16.8	83.0	83.0	5.8	3.8	5	86				<0.2	2.6							
						3.9	0.3	175	28.8	28.8	7.9	7.9	22.6	22.6	80.5	80.6	5.5	6.8	4	88				<0.2	2.6							
					3.9	0.3	177	28.7	28.7	7.9	7.9	22.6	22.6	80.6	80.6	5.5	7.3	5	88	<0.2				2.6								
					6.7	0.4	171	28.4	28.4	7.9	7.9	25.5	25.5	70.9	70.9	4.8	10.0	4	89	<0.2				2.5								
					6.7	0.4	176	28.6	28.5	7.9	7.9	25.4	25.5	71.3	71.1	4.8	9.9	4	90	<0.2				2.5								
IM8	Cloudy	Moderate	15:44	7.6	Surface	1.0	0.1	81	29.2	29.2	7.9	7.9	18.6	17.8	80.9	82.1	5.6	3.9	5	86	88	821844	808131	<0.2	2.2	<0.2	2.2					
						1.0	0.1	82	29.1	29.2	7.9	7.9	16.9	17.8																		

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

Water Quality Monitoring Results on 22 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	15:51	7.4	Surface	1.0	0.2	60	30.7	30.8	7.9	7.9	14.2	14.1	82.0	81.9	5.7	5.5	5.5	4	85	88	822084	808806	<0.2	2.3	<0.2	2.3				
						1.0	0.2	60	30.8	7.9	7.9	14.1	14.1	81.7	81.6	5.6	5.8	5	86	88	822084	808806	<0.2	2.2								
						3.7	0.2	68	28.4	28.4	7.9	7.9	24.4	24.4	67.1	67.1	4.6	9.6	10	87	89	822084	808806	<0.2	2.2							
					6.4	0.1	70	28.4	28.3	7.9	7.9	24.4	25.0	67.0	67.1	4.5	9.9	12	89	90	822084	808806	<0.2	2.3								
					6.4	0.1	70	28.3	28.3	7.9	7.9	25.0	25.0	67.1	67.3	4.6	12.1	13	90	90	822084	808806	<0.2	2.3								
					6.4	0.1	70	28.3	28.3	7.9	7.9	25.0	25.0	67.4	67.4	4.6	12.1	14	90	90	822084	808806	<0.2	2.3								
IM10	Cloudy	Moderate	15:59	7.1	Surface	1.0	0.2	57	29.8	29.8	7.9	7.9	15.5	15.5	90.0	90.0	6.3	3.5	3.5	2	86	88	822374	809798	<0.2	2.2	<0.2	2.2				
						1.0	0.2	59	29.7	29.7	7.9	7.9	15.4	15.4	90.0	90.0	6.3	3.4	3	87	88	822374	809798	<0.2	2.2							
						3.6	0.2	45	29.0	29.0	7.9	7.9	22.1	22.2	81.7	81.6	5.6	2.9	5	87	88	822374	809798	<0.2	2.0							
					3.6	0.2	50	29.0	29.0	7.9	7.9	22.2	22.2	81.4	81.4	5.6	3.1	4	88	89	822374	809798	<0.2	2.1								
					6.1	0.3	102	28.0	28.0	7.9	7.9	25.8	25.8	67.6	67.7	4.6	6.0	6	89	90	822374	809798	<0.2	2.3								
					6.1	0.3	107	28.0	28.0	7.9	7.9	25.8	25.8	67.7	67.7	4.6	6.0	5	90	90	822374	809798	<0.2	2.1								
IM11	Cloudy	Moderate	16:09	7.6	Surface	1.0	0.1	97	29.1	29.1	7.9	7.9	23.0	23.0	80.6	80.4	5.5	3.3	3.3	3	86	88	822047	811438	<0.2	2.0	<0.2	1.8				
						1.0	0.1	104	29.1	29.1	7.9	7.9	23.0	23.0	80.2	80.2	5.4	3.5	5	86	88	822047	811438	<0.2	1.8							
						3.8	0.0	141	27.8	27.8	7.9	7.9	26.3	26.3	66.7	66.6	4.5	5.3	5	88	87	822047	811438	<0.2	1.7							
					3.8	0.0	157	27.8	27.8	7.9	7.9	26.4	26.4	66.4	66.4	4.5	5.5	4	87	89	822047	811438	<0.2	1.6								
					6.6	0.1	142	27.7	27.7	7.9	7.9	27.0	26.9	66.4	66.5	4.5	7.3	6	90	90	822047	811438	<0.2	1.7								
					6.6	0.1	144	27.7	27.7	7.9	7.9	26.9	26.9	66.6	66.5	4.5	7.4	5	90	90	822047	811438	<0.2	1.8								
IM12	Cloudy	Moderate	16:15	8.3	Surface	1.0	0.0	82	29.3	29.3	7.9	7.9	23.1	23.1	83.2	83.2	5.6	2.0	3	86	88	821480	812046	<0.2	1.8	<0.2	1.8					
						1.0	0.0	89	29.3	29.3	7.9	7.9	23.1	23.1	83.2	83.2	5.6	2.3	5	85	86	821480	812046	<0.2	1.8							
						4.2	0.1	103	27.7	27.7	7.9	7.9	26.8	26.8	65.5	65.5	4.4	7.4	6	88	89	821480	812046	<0.2	1.9							
					4.2	0.1	125	27.6	27.6	7.9	7.9	26.8	26.8	65.4	65.4	4.4	7.6	6	89	90	821480	812046	<0.2	1.8								
					7.3	0.1	83	27.6	27.6	7.9	7.9	27.1	27.0	66.5	66.7	4.5	8.0	8	90	90	821480	812046	<0.2	1.9								
					7.3	0.1	89	27.6	27.6	7.9	7.9	27.0	27.0	66.8	66.7	4.5	7.9	7	90	90	821480	812046	<0.2	1.8								
SR1A	Cloudy	Moderate	16:43	5.2	Surface	1.0	-	-	28.2	28.2	7.9	7.9	23.6	23.6	78.9	78.6	5.4	8.4	5	-	-	819972	812663	-	-	-	-					
						1.0	-	-	28.1	28.1	7.9	7.9	23.7	23.7	78.3	78.3	5.4	8.9	6	-	-	819972	812663	-	-							
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819972	812663			-	-			
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819972	812663	-			-				
					4.2	-	-	27.8	27.8	7.9	7.9	26.5	26.5	67.0	67.1	4.5	11.1	8	-	-	-	-	819972	812663	-			-				
					4.2	-	-	27.8	27.8	7.9	7.9	26.5	26.5	67.2	67.2	4.6	11.0	9	-	-	-	-	819972	812663	-			-				
SR2	Cloudy	Moderate	17:01	4.8	Surface	1.0	0.3	107	28.5	28.5	7.9	7.9	24.4	24.4	82.2	82.1	5.6	3.7	6	86	88	821451	814144	<0.2	1.8	<0.2	1.8					
						1.0	0.3	114	28.4	28.4	7.9	7.9	24.5	24.5	82.0	82.0	5.6	3.8	6	87	88	821451	814144	<0.2	1.8							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821451	814144			<0.2	1.8			
					3.8	0.2	117	28.0	28.0	7.9	7.9	26.3	26.3	73.3	73.4	5.0	5.4	12	90	90	821451	814144	<0.2	1.8								
					3.8	0.2	125	28.0	28.0	7.9	7.9	26.3	26.3	73.4	73.4	5.0	5.5	11	90	90	821451	814144	<0.2	1.8								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821451	814144			<0.2	1.8			
SR3	Cloudy	Moderate	15:38	8.6	Surface	1.0	0.1	131	29.2	29.2	7.9	7.9	17.8	17.8	80.8	80.5	5.6	3.9	6	-	-	822159	807578	-	-	-	-					
						1.0	0.1	133	29.1	29.1	7.9	7.9	17.8	17.8	80.1	80.1	5.6	3.9	4	-	-	822159	807578	-	-							
						4.3	0.1	183	28.8	28.8	7.9	7.9	21.8	21.8	71.3	71.5	4.9	7.2	5	-	-	822159	807578	-	-							
					4.3	0.1	190	28.7	28.7	7.9	7.9	21.8	21.8	71.7	71.7	4.9	7.9	5	-	-	822159	807578	-	-								
					7.6	0.2	153	28.7	28.7	7.9	7.9	24.0	24.0	73.8	73.9	5.0	9.9	7	-	-	822159	807578	-	-								
					7.6	0.2	155	28.7	28.7	7.9	7.9	23.9	24.0	73.9	73.9	5.0	9.9	9	-	-	822159	807578	-	-								
SR4A	Cloudy	Calm	16:32	9.2	Surface	1.0	0.4	74	29.1	29.2	8.0	8.0	19.1	19.1	90.9	91.0	6.3	2.4	2	-	-	817172	807814	-	-	-	-					
						1.0	0.4	78	29.2	29.2	8.0	8.0	19.0	19.0	91.0	91.0	6.3	2.5	3	-	-	817172	807814	-	-							
						4.6	0.4	68	28.5	28.5	7.9	7.9	23.9	24.0	72.5	72.5	4.9	7.7	4	-	-	817172	807814	-	-							
					4.6	0.4	71	28.5	28.5	7.9	7.9	24.0	24.0	72.4	72.4	4.9	7.8	4	-	-	817172	807814	-	-								
					8.2	0.3	71	28.1	28.1	7.9	7.9	26.1	26.1	65.7	65.8	4.4	14.3	4	-	-	817172	807814	-	-								
					8.2	0.3	77	28.1	28.1	7.9	7.9	26.0	26.1	65.9	65.9	4.5	13.9	3	-	-	817172	807814	-	-								
SR5A	Cloudy	Calm	16:47	5.6	Surface	1.0	0.2	110	29.3	29.4	8.0	8.0	22.0	22.0	88.1	88.1	6.0	4.1	6	-	-	816608	810706	-	-	-	-					
						1.0	0.2	112	29.4	29.4	8.0	8.0	22.0	22.0	88.0	88.0	6.0	4.1	5	-	-	816608	810706	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816608	810706			-	-			
					4.6	0.1	120	28.8	28.8	7.9	7.9	24.0	24.0	73.4	73.6	5.0	6.7	4	-	-	816608	810706	-	-								
					4.6	0.1	121	28.8	28.8	7.9	7.9	24.0	24.0	73.7	73.7	5.0	6.7	6	-	-	816608	810706	-	-								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816608	810706	-			-				
SR6A	Cloudy	Calm	17:16	4.6	Surface	1.0	0.0	337	30.0	30.0	8.0	8.0	22.3	22.3	96.2	96.1	6.4	2.6	4	-	-	817952	814754	-	-	-	-					
						1.0	0.0	357	30.0	30.0	8.0	8.0	22.3	22.3	96.0	96.0	6.4	2.5	5	-	-	817952	814754	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817952	814754			-	-			
					3.6	0.0																										

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

Water Quality Monitoring Results on 22 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Fine	Moderate	11:08	7.6	Surface	1.0	0.2	18	29.2	29.2	7.9	7.9	15.8	15.9	84.7	84.6	6.0		2.4		4		87						<0.2	2.3			
						1.0	0.2	18	29.1		7.9	7.9	15.9		84.4		5.9		2.4		4		88								<0.2	2.4	
						3.8	0.3	49	27.7	27.7	7.9	7.9	27.4	27.4	63.4	63.5	4.3	5.1	9.0	8.4	4	4	89								<0.2	2.4	
					3.8	0.3	51	27.7		7.9	7.9	27.4		63.6		4.3		9.4		3		89									<0.2	2.2	
					6.6	0.2	47	27.7	27.8	7.9	7.9	27.4	27.4	66.9	67.1	4.5	4.5	13.4	13.4	3		91									<0.2	2.3	
					6.6	0.3	50	27.8		7.9	7.9	27.4		67.3		4.5		13.7		4		91									<0.2	2.3	
C2	Cloudy	Moderate	12:04	12.0	Surface	1.0	0.3	18	29.1	29.1	7.8	7.8	21.3	21.1	66.4	66.4	4.5		3.7		5		85						<0.2	2.0			
						1.0	0.3	18	29.1		7.8	7.8	20.9		66.3		4.5		3.7		5		86								<0.2	2.1	
						6.0	0.4	317	27.8	27.8	7.9	7.9	26.4	26.4	60.4	60.3	4.1	4.3	2.9	5.4	6	6	89								<0.2	1.9	
					6.0	0.5	326	27.8		7.9	7.9	26.5		60.1		4.1		2.9		6		90									<0.2	2.0	
					11.0	0.4	341	27.6	27.6	7.9	7.9	27.1	27.1	59.8	60.0	4.1	4.1	9.7	10.9	6		90									<0.2	1.9	
					11.0	0.4	351	27.6		7.9	7.9	27.1		60.2		4.1		9.7		7		90									<0.2	1.9	
C3	Cloudy	Moderate	09:56	12.0	Surface	1.0	0.5	264	28.6	28.6	7.9	7.9	23.0	23.0	76.7	76.7	5.2		1.9		2		86						<0.2	1.4			
						1.0	0.5	279	28.5		7.9	7.9	23.0		76.6		5.2		2.0		3		85							<0.2	1.4		
						6.0	0.5	253	27.6	27.6	7.9	7.9	27.0	27.0	63.8	63.9	4.3	4.8	2.9	5.2	3	4	88							<0.2	1.4		
					6.0	0.5	272	27.6		7.9	7.9	27.0		63.9		4.3		2.9		5		87								<0.2	1.6		
					11.0	0.3	278	26.7	26.7	7.9	7.9	29.6	29.6	63.2	63.3	4.3	4.3	10.9	10.9	4		90								<0.2	1.6		
					11.0	0.3	299	26.7		7.9	7.9	29.6		63.3		4.3		10.9		5		90								<0.2	1.5		
IM1	Fine	Calm	11:20	5.6	Surface	1.0	0.3	9	29.1	29.1	8.0	8.0	16.8	16.8	89.1	89.1	6.2		3.2		2		89						<0.2	2.0			
						1.0	0.4	9	29.1		8.0	8.0	16.8		89.0		6.2		3.3		2		89							<0.2	2.0		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2
					4.6	0.1	263	28.9	28.9	8.0	8.0	21.6	21.6	86.4	86.1	5.9	5.9	7.8	7.8	4		90								<0.2	2.0		
					4.6	0.1	273	28.9		8.0	8.0	22.0		85.8		5.9		7.9		4		90								<0.2	2.1		
					1.0	0.4	26	29.4	29.4	7.9	7.9	17.4	17.4	85.6	85.6	6.0	5.4	1.8	6.5	3	3	87								<0.2	2.1		
IM2	Fine	Calm	11:26	7.2	Surface	1.0	0.4	26	29.3	29.3	7.9	7.9	17.4	17.4	85.5	85.5	5.9		1.8		3		87						<0.2	2.1			
						1.0	0.4	26	29.3		7.9	7.9	17.4		85.5		5.9		1.8		3		87							<0.2	2.1		
						3.6	0.4	21	28.3	28.3	7.9	7.9	24.9	25.0	72.9	72.9	4.9	6.2	6.5	6.5	2	3	89							<0.2	2.1		
					3.6	0.4	21	28.2		7.9	7.9	25.1		72.8		4.9		6.1		2		90								<0.2	2.1		
					6.2	0.3	348	28.1	28.1	7.9	7.9	26.2	26.2	73.3	73.6	5.0	5.0	11.4	11.4	3		91								<0.2	2.0		
					6.2	0.3	320	28.1		7.9	7.9	26.2		73.8		5.0		11.3		3		91								<0.2	2.0		
IM3	Fine	Calm	11:32	7.6	Surface	1.0	0.5	10	29.1	29.1	8.0	8.0	18.9	18.9	86.7	86.7	6.0		1.5		3		88						<0.2	2.1			
						1.0	0.5	10	29.1		8.0	8.0	18.9		86.7		6.0		1.5		3		88							<0.2	2.1		
						3.8	0.3	337	28.4	28.4	7.9	7.9	24.8	24.8	78.2	78.1	5.3	5.7	2.6	5.4	3	3	89							<0.2	2.0		
					3.8	0.3	355	28.3		7.9	7.9	24.8		78.0		5.3		2.6		3		89							<0.2	2.0			
					6.6	0.2	312	27.7	27.7	7.9	7.9	27.6	27.6	65.4	65.4	4.4	4.4	12.0	12.0	3		91							<0.2	2.0			
					6.6	0.3	335	27.7		7.9	7.9	27.6		65.7		4.4		12.0		<2		92								<0.2	2.0		
IM4	Fine	Calm	11:39	8.1	Surface	1.0	0.7	2	28.9	28.9	7.9	7.9	18.3	18.3	85.7	85.7	6.0		1.6		3		88						<0.2	2.1			
						1.0	0.7	2	28.8		7.9	7.9	18.4		85.3		6.0		1.6		2		89							<0.2	2.1		
						4.1	0.6	344	28.1	28.1	7.9	7.9	25.3	25.3	73.1	73.2	5.0	5.5	7.1	6.9	2	3	90							<0.2	2.1		
					4.1	0.6	346	28.1		7.9	7.9	25.3		73.3		5.0		7.1		2		90							<0.2	2.1			
					7.1	0.5	329	27.8	27.8	7.9	7.9	27.5	27.5	65.3	65.6	4.4	4.4	12.0	12.0	3		91							<0.2	2.0			
					7.1	0.5	337	27.8		7.9	7.9	27.5		65.8		4.4		11.7		4		91							<0.2	2.1			
IM5	Fine	Moderate	11:45	7.5	Surface	1.0	0.8	4	29.7	29.7	8.0	8.0	18.7	18.7	94.7	94.5	6.5		1.3		<2		86						<0.2	2.0			
						1.0	0.9	4	29.7		8.0	8.0	18.7		94.2		6.5		1.4		<2		86							<0.2	2.1		
						3.8	0.8	350	28.0	28.0	7.9	7.9	26.5	26.5	71.1	71.4	4.8	5.7	4.7	5.4	<2	<2	87						<0.2	2.2			
					3.8	0.9	322	28.0		7.9	7.9	26.5		71.6		4.8		4.7		<2		88							<0.2	2.0			
					6.5	0.5	15	27.8	27.8	7.9	7.9	27.4	27.4	66.1	66.5	4.5	4.5	10.1	10.1	<2		89							<0.2	1.9			
					6.5	0.5	15	27.8		7.9	7.9	27.4		66.8		4.5		10.0		<2		89							<0.2	1.9			
IM6	Fine	Moderate	11:51	7.0	Surface	1.0	0.2	92	29.3	29.3	7.9	7.9	20.4	20.4	81.4	81.0	5.6		2.5		3		86						<0.2	2.0			
						1.0	0.2	94	29.3		7.9	7.9	20.3		80.6		5.5		2.6		3		86							<0.2	2.0		
						3.5	0.3	49	27.8	27.8	7.9	7.9	27.1	27.1	63.7	63.9	4.3	4.9	11.6	9.9	<2	2	87						<0.2	2.0			
					3.5	0.3	49	27.8		7.9	7.9	27.1		64.0		4.3		11.9		<2		87							<0.2	2.0			
					6.0	0.2	73	28.0	28.0	7.9	7.9	27.3	27.3	65.6	65.9	4.4	4.4	15.1	15.1	<2		89							<0.2	2.0			
					6.0	0.																											

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

Water Quality Monitoring Results on 22 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	11:31	7.5	Surface	1.0	0.3	50	29.6	29.6	7.9	7.9	15.6	15.6	84.4	84.4	5.9	5.9	3.7	3	86	86	88	88	822097	808824	<0.2	1.9				
						1.0	0.3	54	29.6	29.1	7.9	7.9	15.6	15.6	5.8	5.8	3.6	2	85	85												
						3.8	0.0	4	29.1	28.9	7.9	7.9	19.0	19.1	82.9	83.0	5.7	6.1	5	88	87											
					3.8	0.0	4	29.1	28.9	7.9	7.9	19.1	19.1	83.0	83.0	5.7	6.1	4	87	87												
					6.5	0.1	254	28.9	28.9	7.9	7.9	22.7	22.7	79.8	79.9	5.4	8.4	10	90	90												
					6.5	0.1	278	28.9	28.9	7.9	7.9	22.7	22.7	80.0	80.0	5.4	8.3	11	90	90												
IM10	Cloudy	Moderate	11:23	7.6	Surface	1.0	0.4	333	28.9	28.9	7.9	7.9	21.0	21.1	79.0	78.8	5.4	5.4	3.6	4	86	86	88	88	822403	809797	<0.2	1.6				
						1.0	0.4	306	28.8	28.4	7.9	7.9	21.1	21.1	78.5	78.5	5.4	3.7	4	86	86											
						3.8	0.4	306	28.4	28.4	7.9	7.9	23.8	23.8	70.0	69.9	4.8	7.5	5	88	87											
					3.8	0.4	322	28.3	28.0	7.9	7.9	23.8	23.8	69.8	69.8	4.8	7.5	5	87	87												
					6.6	0.2	291	28.0	28.0	7.9	7.9	25.8	25.8	64.2	64.3	4.4	9.9	12	90	90												
					6.6	0.2	301	28.0	28.0	7.9	7.9	25.8	25.8	64.4	64.4	4.4	9.9	13	90	90												
IM11	Cloudy	Moderate	11:12	7.8	Surface	1.0	0.5	304	28.9	28.8	7.9	7.9	21.0	21.0	77.9	77.7	5.4	5.4	3.0	2	85	85	88	88	822067	811465	<0.2	1.6				
						1.0	0.5	327	28.7	28.2	7.9	7.9	21.0	21.0	77.5	77.5	5.3	3.2	3	86	86											
						3.9	0.6	298	28.2	28.2	7.9	7.9	24.3	24.3	70.7	70.6	4.8	6.2	3	88	88											
					3.9	0.6	299	28.2	28.2	7.9	7.9	24.2	24.2	70.4	70.4	4.8	6.2	4	87	87												
					6.8	0.3	308	27.5	27.5	7.9	7.9	27.3	27.3	62.7	62.9	4.3	15.4	8	90	90												
					6.8	0.3	318	27.5	27.5	7.9	7.9	27.3	27.3	63.0	62.9	4.3	15.4	8	90	90												
IM12	Cloudy	Moderate	11:06	8.4	Surface	1.0	0.5	283	29.3	29.3	7.9	7.9	20.6	20.6	82.0	82.0	5.6	5.6	2.3	3	86	86	88	88	821481	812050	<0.2	1.5				
						1.0	0.6	300	29.3	28.0	7.9	7.9	20.6	20.6	82.0	82.0	5.6	2.3	3	86	86											
						4.2	0.6	284	28.0	28.0	7.9	7.9	25.1	25.1	70.0	70.0	4.8	6.9	5	87	87											
					4.2	0.6	309	28.0	28.0	7.9	7.9	25.1	25.1	69.9	69.9	4.8	6.9	5	88	88												
					7.4	0.1	282	27.5	27.5	7.9	7.9	27.4	27.4	60.6	60.7	4.1	13.7	6	91	91												
					7.4	0.1	286	27.5	27.5	7.9	7.9	27.4	27.4	60.8	60.7	4.1	13.2	6	90	90												
SR1A	Cloudy	Moderate	10:40	5.1	Surface	1.0	-	-	29.0	29.0	7.9	7.9	21.2	21.2	85.9	85.9	5.9	5.9	2.4	<2	-	-	-	-	819980	812657	<0.2	-				
						1.0	-	-	29.0	29.0	7.9	7.9	21.2	21.2	85.9	85.9	5.9	2.5	<2	-	-											
						2.6	-	-	-	-	-	-	-	-	-	-	-	5.9	3.1	3	-	-										
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					4.1	-	-	28.7	28.8	7.9	7.9	23.2	23.2	77.2	77.2	5.2	3.7	4	-	-												
					4.1	-	-	28.8	28.8	7.9	7.9	23.1	23.1	77.1	77.1	5.2	3.7	2	-	-												
SR2	Cloudy	Moderate	10:17	4.8	Surface	1.0	0.2	302	28.3	28.3	7.9	7.9	22.8	22.8	74.9	74.8	5.2	5.2	7.5	4	87	87	88	88	821486	814157	<0.2	1.5				
						1.0	0.2	309	28.2	28.3	7.9	7.9	22.9	22.8	74.6	74.6	5.1	7.5	3	86	86											
						-	-	-	-	-	-	-	-	-	-	-	-	5.2	3	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					3.8	0.2	311	27.9	27.9	7.9	7.9	26.0	26.0	67.1	67.2	4.6	10.0	9	90	90												
					3.8	0.2	311	27.9	27.9	7.9	7.9	26.0	26.0	67.2	67.2	4.6	10.0	9	90	90												
SR3	Cloudy	Moderate	11:43	8.4	Surface	1.0	0.1	35	29.1	29.1	7.8	7.8	17.4	17.4	79.2	78.8	5.5	5.5	3.6	3	-	-	-	-	822161	807575	<0.2	-				
						1.0	0.1	37	29.0	28.6	7.8	7.8	17.4	17.4	78.4	78.4	5.5	3.5	4	-	-											
						4.2	0.1	85	28.6	28.6	7.8	7.8	22.3	22.3	65.3	65.4	4.5	3.7	3	-	-											
					4.2	0.1	91	28.6	28.6	7.8	7.8	22.3	22.3	65.4	65.4	4.5	3.9	4	-	-												
					7.4	0.2	61	28.4	28.4	7.8	7.8	24.3	24.3	65.8	65.9	4.5	5.3	4	-	-												
					7.4	0.2	65	28.4	28.4	7.8	7.8	24.4	24.3	66.0	66.0	4.5	5.4	3	-	-												
SR4A	Fine	Calm	10:50	8.8	Surface	1.0	0.2	256	29.5	29.5	7.9	7.9	21.2	21.2	85.3	85.2	5.8	5.8	3.5	<2	-	-	-	-	817199	807798	<0.2	-				
						1.0	0.2	275	29.5	28.5	7.9	7.9	21.2	21.2	85.1	85.1	5.8	3.6	3	-	-											
						4.4	0.3	257	28.5	28.5	7.9	7.9	24.5	24.5	67.4	67.4	4.6	5.9	5	-	-											
					4.4	0.3	261	28.5	28.5	7.9	7.9	24.5	24.5	67.4	67.4	4.6	6.0	3	-	-												
					7.8	0.0	286	27.8	27.8	7.9	7.9	27.3	27.3	63.5	63.7	4.3	9.0	3	-	-												
					7.8	0.0	295	27.8	27.8	7.9	7.9	27.3	27.3	63.8	63.8	4.3	8.9	4	-	-												
SR5A	Fine	Calm	10:35	5.7	Surface	1.0	0.2	302	29.1	29.1	7.9	7.9	22.9	22.9	81.6	81.3	5.5	5.5	5.2	4	-	-	-	-	816596	810693	<0.2	-				
						1.0	0.2	304	29.1	29.1	7.9	7.9	23.0	22.9	81.0	81.0	5.5	4.9	3	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	5.5	3	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					4.7	0.1	301	28.9	28.9	7.9	7.9	23.6	23.6	81.4	81.6	5.5	8.3	3	-	-												
					4.7	0.2	311	28.9	28.9	7.9	7.9	23.6	23.6	81.7	81.7	5.5	8.3	3	-	-												
SR6A	Fine	Calm	10:11	5.3	Surface	1.0	0.1	162	28.8	28.8	7.8	7.8	23.0	23.1	78.3	78.3	5.3	5.3	4.2	4	-	-	-	-	817939	814723	<0.2	-				
						1.0	0.1	171	28.7	28.8	7.8	7.8	23.1	23.1	78.2	78.2	5.3	4.0	3	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	5.3	4	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					4.3	0.1	137	28.6	28.6	7.8	7.8	23.5	23.5	73.7	73.7	5.0	3.9	4	-	-												
					4.3	0.1	139	28.6	28.6	7.8	7.8	23.5	23.5	73.6	73.6	5.0	3.9	5	-	-												
SR7	Cloudy	Moderate	09:26	16.8	Surface	1.0	0.1	239	28.2	28.2	8.0	8.0	24.5	24.5	85.5	85.4	5.8	5.8	1.7	2	-	-	-	-	823655	823740	<0.2	-				
						1.0	0.1	244	28.1	27.5	8.0	8.0	24.6	24.5	85.3	85.3	5.8	1.7	3	-	-											
						8.4	0.1	158	27.5	27.5	8.0	8.0	27.3	27.3	66.3	66.3	4.5	1.9	3	-	-											
					8.4	0.1	166	27.5	27.5	8.0	8.0	27.3	27.3	66.3	66.3	4.5	1.9	3	-	-												
					15.8	0.1	11	26.7	26.8	8.0	8.0	30.2	30.1	60.5	60.7	4.1	2.7	3	-	-												
					15.8	0.2	11	26.8	26.8	8.0	8.0	30.1	30.1	60.8	60.7	4.1	2.6	3	-	-												
SR8	Cloudy	Moderate	10:59	5.2	Surface	1.0	-	-	29.0	29.0	7.9	7.9	20.5	20.5	86.2	86.0	5.9	5.9	2.6	2	-	-	-	-	820386	811600	<0.2	-				
						1.0	-	-	29.0	29.0	7.9	7.9	20.5	20.5	85.8	85.8	5.9	2.6	3													

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
C1	Cloudy	Rough	06:31	8.6	Surface	1.0	0.4	138	28.6	28.6	8.5	8.5	21.4	21.4	88.6	88.5	6.1	2.5	6	83	87	83	87	87	87	815629	804269	<0.2	2.5	1.8	2.5				
						1.0	0.4	141	28.6	28.6	8.5	8.5	21.4	21.4	88.3	88.3	6.1	2.5	7	83	87	83	87	83	87	87	87	815629	804269	<0.2	2.5	1.8	2.5		
					Middle	4.3	0.2	147	26.8	26.8	8.5	8.5	29.4	29.4	63.7	63.5	4.3	3.7	6	87	6	87	6	87	6	87	815629	804269	<0.2	1.4	1.8	1.4	1.8		
						4.3	0.2	147	26.8	26.8	8.5	8.5	29.4	29.4	63.3	63.3	4.3	3.7	6	87	6	87	6	87	6	87	815629	804269	<0.2	1.4	1.8	1.4	1.8		
					Bottom	7.6	0.1	123	26.5	26.5	8.4	8.4	30.6	30.6	63.7	63.9	4.3	3.8	7	92	4.3	3.8	7	92	4.3	3.8	7	92	815629	804269	<0.2	1.6	2.4	1.6	2.4
						7.6	0.1	123	26.5	26.5	8.4	8.4	30.6	30.6	64.1	64.1	4.3	3.7	8	92	4.3	3.7	8	92	4.3	3.7	8	92	815629	804269	<0.2	1.6	2.4	1.6	2.4
C2	Cloudy	Moderate	08:35	11.2	Surface	1.0	0.3	144	29.9	29.9	7.7	7.7	14.8	14.9	80.2	80.2	5.6	6.5	7	86	8	86	8	86	825700	806945	<0.2	2.5	2.5	2.5	2.5				
						1.0	0.3	150	29.9	29.9	7.7	7.7	15.0	15.0	80.2	80.2	5.6	6.4	8	85	6	85	6	85	6	85	825700	806945	<0.2	2.4	2.5	2.4	2.5		
					Middle	5.6	0.2	149	27.3	27.3	7.7	7.7	28.1	28.1	55.6	55.6	3.8	2.9	6	89	3.8	2.9	6	89	3.8	2.9	6	89	825700	806945	<0.2	2.5	2.5	2.5	2.5
						5.6	0.2	155	27.3	27.3	7.7	7.7	28.1	28.1	55.6	55.6	3.8	2.9	8	87	3.8	2.9	8	87	3.8	2.9	8	87	825700	806945	<0.2	2.4	2.5	2.4	2.5
					Bottom	10.2	0.2	160	27.1	27.1	7.7	7.7	28.7	28.7	56.3	56.4	3.8	3.8	6	90	3.8	3.8	6	90	3.8	3.8	6	90	825700	806945	<0.2	2.5	2.5	2.5	2.5
						10.2	0.2	164	27.1	27.1	7.7	7.7	28.7	28.7	56.4	56.4	3.8	3.8	6	90	3.8	3.8	6	90	3.8	3.8	6	90	825700	806945	<0.2	2.4	2.5	2.4	2.5
C3	Cloudy	Moderate	06:05	11.4	Surface	1.0	0.4	33	28.6	28.6	7.8	7.8	22.6	22.6	77.7	77.6	5.3	2.3	11	86	9	86	9	86	822099	817793	<0.2	1.7	1.8	1.7	1.8				
						1.0	0.5	34	28.6	28.6	7.8	7.8	22.6	22.6	77.5	77.5	5.3	2.3	9	86	10	86	10	86	10	86	822099	817793	<0.2	1.7	1.8	1.7	1.8		
					Middle	5.7	0.4	76	27.3	27.3	7.8	7.8	27.4	27.4	69.1	69.1	4.7	2.2	8	87	4.7	2.2	8	87	4.7	2.2	8	87	822099	817793	<0.2	1.9	1.8	1.9	1.8
						5.7	0.4	79	27.2	27.2	7.8	7.8	27.4	27.4	69.0	69.0	4.7	2.4	8	88	4.7	2.4	8	88	4.7	2.4	8	88	822099	817793	<0.2	1.8	1.8	1.8	1.8
					Bottom	10.4	0.1	87	26.4	26.4	7.8	7.8	29.8	29.8	58.6	58.7	4.0	4.0	5.5	10	7.8	5.5	10	80	7.8	5.5	10	80	822099	817793	<0.2	1.7	1.7	1.7	1.7
						10.4	0.1	88	26.3	26.3	7.8	7.8	29.8	29.8	58.8	58.8	4.0	4.0	5.7	8	7.8	5.7	8	90	7.8	5.7	8	90	822099	817793	<0.2	1.7	1.7	1.7	1.7
IM1	Cloudy	Rough	06:57	5.2	Surface	1.0	0.3	229	28.5	28.6	8.5	8.5	22.1	22.0	85.3	85.2	5.9	3.0	4	83	5	83	5	83	817969	807123	<0.2	2.6	2.5	2.6	2.5				
						1.0	0.3	229	28.6	28.6	8.5	8.5	22.0	22.0	85.0	85.0	5.8	3.0	5	83	5	83	5	83	5	83	817969	807123	<0.2	2.4	2.5	2.4	2.5		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9	3.0	6.2	5	84	6	84	6	84	817969	807123	<0.2	-	2.5	-	2.5	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817969	807123	<0.2	-	2.5	-	2.5
					Bottom	4.2	0.1	247	26.4	26.4	8.5	8.5	30.8	30.8	59.1	59.3	4.0	4.0	9.3	6	8.5	9.3	6	84	9.3	6	84	817969	807123	<0.2	2.4	2.4	2.4	2.4	
						4.2	0.2	257	26.4	26.4	8.5	8.5	30.8	30.8	59.4	59.4	4.0	4.0	9.3	6	8.5	9.3	6	84	9.3	6	84	817969	807123	<0.2	2.4	2.4	2.4	2.4	
IM2	Cloudy	Rough	07:03	7.1	Surface	1.0	0.2	186	27.8	27.8	8.5	8.5	24.3	24.3	73.9	73.9	5.1	3.7	7	85	8	85	8	85	818182	806183	<0.2	1.3	1.4	1.3	1.4				
						1.0	0.2	189	27.8	27.8	8.5	8.5	24.3	24.3	73.8	73.8	5.1	3.7	8	85	8	85	8	85	8	85	818182	806183	<0.2	1.3	1.4	1.3	1.4		
					Middle	3.6	0.0	170	27.4	27.5	8.5	8.5	26.1	26.1	70.0	70.0	4.8	4.0	9	88	4.8	4.0	9	89	4.8	4.0	9	89	818182	806183	<0.2	1.3	1.4	1.3	1.4
						3.6	0.0	174	27.5	27.5	8.5	8.5	26.1	26.1	69.9	69.9	4.8	4.0	9	89	4.8	4.0	9	89	4.8	4.0	9	89	818182	806183	<0.2	1.3	1.4	1.3	1.4
					Bottom	6.1	0.2	200	26.9	26.9	8.5	8.5	27.5	27.5	64.6	64.4	4.4	4.4	6.9	13	8.5	6.9	13	89	6.9	13	89	818182	806183	<0.2	1.4	1.4	1.4	1.4	
						6.1	0.2	221	26.8	26.8	8.5	8.5	27.6	27.6	64.1	64.1	4.4	4.4	6.9	13	8.5	6.9	13	89	6.9	13	89	818182	806183	<0.2	1.4	1.4	1.4	1.4	
IM3	Cloudy	Rough	07:10	7.3	Surface	1.0	0.1	279	27.9	27.9	8.5	8.5	23.5	23.6	76.7	76.6	5.3	2.9	7	86	6	86	6	86	818782	805590	<0.2	1.6	1.3	1.6	1.3				
						1.0	0.1	299	27.9	27.9	8.5	8.5	23.7	23.7	76.5	76.5	5.3	3.0	6	85	6	85	6	85	6	85	818782	805590	<0.2	1.6	1.3	1.6	1.3		
					Middle	3.7	0.1	236	26.8	26.8	8.5	8.5	29.1	29.1	63.3	63.3	4.3	3.5	6	89	4.3	3.5	6	89	4.3	3.5	6	89	818782	805590	<0.2	1.2	1.3	1.2	1.3
						3.7	0.1	209	26.8	26.8	8.5	8.5	29.1	29.1	63.3	63.3	4.3	3.5	7	88	4.3	3.5	7	88	4.3	3.5	7	88	818782	805590	<0.2	1.2	1.3	1.2	1.3
					Bottom	6.3	0.1	235	26.3	26.3	8.5	8.5	31.2	31.2	53.7	53.9	3.6	3.7	5.0	9	8.5	5.0	9	90	5.0	9	90	818782	805590	<0.2	1.1	1.1	1.1	1.1	
						6.3	0.1	233	26.3	26.3	8.5	8.5	31.2	31.2	54.1	54.1	3.6	3.7	5.0	10	8.5	5.0	10	90	5.0	10	90	818782	805590	<0.2	1.1	1.1	1.1	1.1	
IM4	Cloudy	Rough	07:24	7.6	Surface	1.0	0.1	196	28.6	28.7	8.4	8.4	20.1	20.1	75.4	75.8	5.2	4.0	8	86	8	86	8	86	819725	804618	<0.2	1.4	1.4	1.4	1.4				
						1.0	0.1	209	28.7	28.7	8.4	8.4	20.1	20.1	76.1	76.1	5.3	4.1	8	87	5.0	4.1	8	87	5.0	4.1	8	87	819725	804618	<0.2	1.4	1.4	1.4	1.4
					Middle	3.8	0.3	234	27.5	27.6	8.4	8.4	25.2	25.2	69.7	69.8	4.8	5.1	9	87	4.8	5.1	9	89	4.8	5.1	9	89	819725	804618	<0.2	1.4	1.4	1.4	1.4
						3.8	0.3	244	27.6	27.6	8.4	8.4	25.2	25.2	69.9	69.9	4.8	5.2	9	89	4.8	5.2	9	89	4.8	5.2	9	89	819725	804618	<0.2	1.4	1.4	1.4	1.4
					Bottom	6.6	0.2	254	26.8	26.8	8.5	8.5	29.0	29.1	54.4	54.2	3.7	3.7	4.5	7	8.5	4.5	7	90	4.5	7	90	819725	804618	<0.2	1.3	1.3	1.3		

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

Water Quality Monitoring Results on 24 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Rough	13:26	7.4	Surface	1.0	0.3	48	28.8	28.8	8.7	8.7	18.8	18.8	89.7	89.8	6.2	3.0	5	83	88	815637	804248	<0.2	2.0	1.7	1.7					
						1.0	0.3	49	28.8	28.8	8.7	8.7	18.8	18.8	89.9	89.8	6.3	3.0	4	84	88	<0.2	1.8	1.7	1.7							
						3.7	0.3	50	28.4	28.4	8.7	8.7	20.0	20.0	83.8	83.7	5.8	3.1	4	88	88	<0.2	1.7	1.7	1.7							
					Middle	3.7	0.3	54	28.4	28.4	8.7	8.7	19.9	20.0	83.5	83.7	5.8	3.1	5	88	88	<0.2	1.7	1.7	1.7							
						6.4	0.3	44	27.1	27.2	8.6	8.6	27.5	27.5	71.0	71.2	4.8	8.9	4	91	90	<0.2	1.5	1.5	1.5							
						6.4	0.3	45	27.2	27.2	8.6	8.6	27.5	27.5	71.3	71.3	4.9	8.9	4	91	90	<0.2	1.4	1.4	1.4							
C2	Cloudy	Moderate	12:06	11.4	Surface	1.0	0.4	153	29.8	29.8	7.7	7.7	13.4	13.4	78.3	78.2	5.5	4.0	6	86	88	825694	806921	<0.2	2.4	2.3	2.3					
						1.0	0.4	167	29.7	29.7	7.7	7.7	13.3	13.4	78.1	78.2	5.5	4.0	5	85	88	<0.2	2.4	2.3	2.3							
						5.7	0.2	334	27.2	27.2	7.7	7.7	28.4	28.4	54.1	54.2	3.7	6.3	5	88	88	<0.2	2.2	2.2	2.2							
					Middle	5.7	0.2	307	27.2	27.2	7.7	7.7	28.5	28.4	54.2	54.2	3.7	6.7	4	87	88	<0.2	2.2	2.2	2.2							
						10.4	0.2	324	27.2	27.2	7.7	7.7	28.5	28.5	55.0	55.1	3.7	13.5	4	90	90	<0.2	2.2	2.2	2.2							
						10.4	0.2	328	27.2	27.2	7.7	7.7	28.5	28.5	55.2	55.2	3.7	14.0	6	90	90	<0.2	2.2	2.2	2.2							
C3	Cloudy	Moderate	14:12	12.6	Surface	1.0	0.0	302	29.6	29.6	7.9	7.9	21.7	21.7	106.1	106.1	7.2	1.4	4	86	88	822105	817788	<0.2	1.5	1.5	1.5					
						1.0	0.0	312	29.6	29.6	7.9	7.9	21.7	21.7	106.0	106.0	7.2	1.4	4	87	88	<0.2	1.5	1.5	1.5							
						6.3	0.1	239	26.1	26.1	7.8	7.8	30.1	30.2	55.5	55.4	3.8	3.3	2	87	88	<0.2	1.5	1.5	1.5							
					Middle	6.3	0.1	245	26.1	26.1	7.8	7.8	30.2	30.2	55.2	55.2	3.8	3.5	4	88	88	<0.2	1.6	1.6	1.6							
						11.6	0.3	301	25.3	25.3	7.8	7.8	32.4	32.4	54.6	54.7	3.7	8.0	4	90	90	<0.2	1.6	1.6	1.6							
						11.6	0.4	323	25.3	25.3	7.8	7.8	32.4	32.4	54.8	54.8	3.8	7.9	3	90	90	<0.2	1.5	1.5	1.5							
IM1	Cloudy	Rough	12:59	5.2	Surface	1.0	0.4	350	29.1	29.1	8.6	8.6	18.2	18.2	96.0	96.0	6.7	3.1	6	83	84	817933	807113	<0.2	1.6	1.6	1.6					
						1.0	0.5	322	29.0	29.0	8.6	8.6	18.3	18.3	95.9	95.9	6.7	3.1	7	83	84	<0.2	1.5	1.5	1.5							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.2	0.4	346	28.4	28.4	8.6	8.6	21.2	21.2	91.4	91.5	6.3	3.9	10	84	84	<0.2	1.6	1.6	1.6							
						4.2	0.4	350	28.4	28.4	8.6	8.6	21.2	21.2	91.6	91.6	6.3	3.8	8	84	84	<0.2	1.5	1.5	1.5							
IM2	Cloudy	Rough	12:53	7.5	Surface	1.0	0.2	41	29.3	29.3	8.6	8.6	20.4	20.4	94.1	94.1	6.4	2.6	5	86	88	818178	806142	<0.2	1.4	1.4	1.4					
						1.0	0.2	42	29.3	29.3	8.6	8.6	20.4	20.4	94.0	94.0	6.4	2.7	3	85	88	<0.2	1.6	1.6	1.6							
						3.8	0.1	351	27.5	27.5	8.6	8.6	25.7	25.7	71.2	71.2	4.9	4.1	3	88	88	<0.2	1.4	1.4	1.4							
					Middle	3.8	0.1	355	27.5	27.5	8.6	8.6	25.7	25.7	71.2	71.2	4.9	4.1	4	90	90	<0.2	1.5	1.5	1.5							
						6.5	0.1	311	26.5	26.5	8.6	8.6	30.6	30.6	61.4	61.6	4.2	8.2	6	89	89	<0.2	1.2	1.2	1.2							
						6.5	0.1	322	26.5	26.5	8.6	8.6	30.7	30.7	61.7	61.7	4.2	8.3	7	90	90	<0.2	1.3	1.3	1.3							
IM3	Cloudy	Rough	12:46	7.4	Surface	1.0	0.3	306	28.6	28.6	8.6	8.6	22.2	22.2	84.9	84.8	5.8	2.7	6	84	85	818773	805609	<0.2	1.4	1.4	1.4					
						1.0	0.3	314	28.6	28.6	8.6	8.6	22.2	22.2	84.6	84.6	5.8	2.7	7	85	85	<0.2	1.3	1.3	1.3							
						3.7	0.2	328	27.0	27.0	8.6	8.6	28.1	28.1	64.5	64.7	4.4	4.2	8	88	88	<0.2	1.2	1.2	1.2							
					Middle	3.7	0.2	345	27.0	27.0	8.6	8.6	28.0	28.0	64.8	64.8	4.4	4.2	9	89	89	<0.2	1.2	1.2	1.2							
						6.4	0.1	353	26.3	26.3	8.6	8.6	31.1	31.1	57.0	57.0	3.9	8.3	8	90	90	<0.2	1.0	1.0	1.0							
						6.4	0.1	357	26.4	26.4	8.5	8.5	31.1	31.1	57.4	57.4	3.9	8.3	7	89	89	<0.2	1.0	1.0	1.0							
IM4	Cloudy	Rough	12:33	8.0	Surface	1.0	0.1	235	28.4	28.5	8.6	8.6	21.0	21.1	76.4	76.3	5.3	2.6	6	86	88	819742	804625	<0.2	2.2	2.2	2.2					
						1.0	0.1	246	28.5	28.5	8.6	8.6	21.2	21.2	76.2	76.2	5.3	2.6	6	85	85	<0.2	2.3	2.3	2.3							
						4.0	0.4	358	27.0	27.0	8.6	8.6	27.8	27.8	64.3	64.2	4.4	3.4	6	89	89	<0.2	1.4	1.4	1.4							
					Middle	4.0	0.4	329	27.0	27.0	8.6	8.6	27.8	27.8	64.0	64.2	4.4	3.6	5	90	90	<0.2	1.4	1.4	1.4							
						7.0	0.3	349	26.5	26.5	8.6	8.6	30.1	30.2	55.2	55.3	3.7	6.3	4	91	90	<0.2	1.1	1.1	1.1							
						7.0	0.3	321	26.5	26.5	8.6	8.6	30.2	30.2	55.4	55.4	3.8	6.3	6	90	90	<0.2	1.2	1.2	1.2							
IM5	Cloudy	Rough	12:24	7.9	Surface	1.0	0.3	277	29.6	29.6	8.5	8.5	14.2	14.2	82.4	82.2	5.8	3.8	4	85	85	820718	804871	<0.2	1.7	1.7	1.7					
						1.0	0.3	289	29.6	29.6	8.5	8.5	14.2	14.2	82.0	82.0	5.8	3.8	5	85	85	<0.2	1.7	1.7	1.7							
						4.0	0.3	354	27.1	27.1	8.6	8.6	27.2	27.0	62.3	62.6	4.3	5.4	3	88	88	<0.2	1.7	1.7	1.7							
					Middle	4.0	0.3	326	27.0	27.0	8.6	8.6	26.9	27.0	62.8	62.8	4.3	5.5	3	87	87	<0.2	1.6	1.6	1.6							
						6.9	0.4	23	26.7	26.7	8.6	8.6	29.3	29.4	58.2	58.2	4.0	6.1	4	89	89	<0.2	1.7	1.7	1.7							
						6.9	0.4	24	26.7	26.7	8.6	8.6	29.5	29.4	58.1	58.1	4.0	6.1	5	90	90	<0.2	1.6	1.6	1.6							
IM6	Cloudy	Rough	12:17	8.1	Surface	1.0	0.2	296	29.2	29.1	8.5	8.5	15.2	15.2	84.4	84.3	6.0	3.5	3	86	86	821074	805836	<0.2	2.2	2.2	2.2					
						1.0	0.3	321	29.0	29.0	8.5	8.5	15.2	15.2	84.1	84.1	6.0	3.6	4	85	85	<0.2	2.2	2.2	2.2							
						4.1	0.2	279	28.2	28.2	8.6	8.6	21.7	21.7	71.3	71.3	4.9	5.0	5	90	90	<0.2	2.0	2.0	2.0							
					Middle	4.1	0.2	303	28.2	28.2	8.6	8.6	21.7	21.7	71.3	71.3	4.9	5.0	5	88	88	<0.2	1.9	1.9	1.9							
						7.1	0.1	60	27.4	27.4	8.6	8.6	25.5	25.5	62.4	62.6	4.3	8.0	5	90	90	<0.2	1.6	1.6	1.6							
						7.1	0.1	60	27.4	27.4	8.6	8.6	25.4	25.5	62.8	62.8	4.3	8.0	6	91	90	<0.2	1.6	1.6	1.6							
IM7	Cloudy	Rough	12:02	7.8	Surface	1.0	0.4	253	29.2	29.2	8.4	8.4	14.5	14.5	84.5	84.5	6.0	2.5	3	87	88	821369	806821	<0.2	2.4	2.4	2.4					
						1.0	0.4	261	29.2	29.2	8.4	8.4	14.5	14.5	84.5	84.5	6.0	2.5	3	86	86											

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Fine	Rough	10:00	8.6	Surface	1.0	0.5	186	28.1	28.1	8.5	8.5	19.3	19.3	81.8	81.7	5.8	5.3	2.4	3.3	4	4	83	88	815632	804237	<0.2	0.9	<0.2	1.0				
						1.0	0.5	197	28.0	8.5	8.5	19.3	19.3	81.6	81.6	5.7	5.3	2.4	3.3	4	4	84	88	<0.2			1.0							
					4.3	0.4	204	27.4	8.5	8.5	22.1	22.2	68.0	67.9	4.8	4.7	2.9	3	3	3	89	88	<0.2	0.8										
					4.3	0.4	215	27.4	8.5	8.5	22.2	22.2	67.8	67.8	4.7	4.7	2.9	3	3	3	89	88	<0.2	0.8										
					7.6	0.3	222	26.4	8.5	8.5	28.6	28.6	50.6	50.8	3.5	3.5	4.6	4	4	4	91	89	<0.2	1.1										
					7.6	0.3	242	26.4	8.5	8.5	28.6	28.6	50.9	50.9	3.5	3.5	4.5	5	5	5	91	89	<0.2	1.2										
C2	Cloudy	Moderate	12:06	10.1	Surface	1.0	1.4	164	28.9	28.9	7.7	7.7	16.1	16.1	69.8	69.7	4.9	4.2	6.2	9.2	7	7	85	88	825665	806935	<0.2	1.3	<0.2	1.0				
						1.0	1.5	179	28.9	7.7	7.6	16.1	16.1	69.5	69.7	4.9	4.2	6.3	9.2	6	6	86	89	<0.2			1.0							
					5.1	0.9	171	26.8	7.6	7.6	26.8	26.8	49.3	49.3	3.4	3.4	10.0	6	6	6	89	89	<0.2	1.4										
					5.1	0.9	184	26.8	7.6	7.6	26.8	26.8	49.3	49.3	3.4	3.4	10.0	6	6	6	89	89	<0.2	0.9										
					9.1	0.3	143	26.3	7.6	7.6	28.9	28.8	48.7	48.8	3.4	3.4	11.3	6	6	6	90	89	<0.2	0.9										
					9.1	0.3	149	26.3	7.6	7.6	28.8	28.8	48.9	48.9	3.4	3.4	11.3	7	7	7	90	89	<0.2	0.9										
C3	Cloudy	Moderate	09:50	11.8	Surface	1.0	0.3	134	27.1	27.2	7.7	7.7	24.9	24.8	70.0	70.2	4.8	4.7	2.5	3.6	4	4	86	88	822116	817798	<0.2	1.2	<0.2	1.2				
						1.0	0.3	146	27.2	7.7	7.7	24.8	24.8	70.3	70.2	4.9	4.7	2.6	3.6	4	4	86	88	<0.2			1.2							
					5.9	0.2	54	26.6	7.7	7.7	26.1	26.1	66.4	66.4	4.6	4.6	2.8	3.6	4	4	88	88	<0.2	1.5										
					5.9	0.2	58	26.6	7.7	7.7	26.1	26.1	66.4	66.4	4.6	4.6	2.9	3.6	4	4	88	88	<0.2	1.6										
					10.8	0.3	95	25.6	7.6	7.6	30.0	29.9	72.5	72.8	5.0	5.0	5.2	4	4	4	90	89	<0.2	1.5										
					10.8	0.3	100	25.7	7.6	7.6	29.9	29.9	73.0	73.0	5.0	5.0	5.3	5	5	5	90	89	<0.2	1.6										
IM1	Fine	Rough	10:27	5.3	Surface	1.0	0.3	218	27.8	27.8	8.6	8.6	21.4	21.4	74.3	74.2	5.2	5.2	2.8	3.5	5	5	83	88	817955	807121	<0.2	1.4	<0.2	1.3				
						1.0	0.3	229	27.8	8.6	8.6	21.4	21.4	74.0	74.0	5.2	5.2	2.9	3.5	4	4	84	88	<0.2			1.3							
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					4.3	0.1	283	26.7	8.6	8.6	27.5	27.5	57.0	57.3	3.9	3.9	4.1	6	6	6	92	89	<0.2	0.7										
					4.3	0.1	283	26.7	8.6	8.6	27.5	27.5	57.5	57.5	4.0	4.0	4.1	5	5	5	92	89	<0.2	0.8										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
IM2	Fine	Moderate	10:33	7.3	Surface	1.0	0.1	221	27.8	27.8	8.5	8.5	21.3	21.3	76.3	76.2	5.3	4.9	3.0	3.8	4	4	83	88	818180	806143	<0.2	1.4	<0.2	1.3				
						1.0	0.1	230	27.7	8.5	8.5	21.3	21.3	76.1	76.2	5.3	4.9	3.0	3.8	5	5	84	88	<0.2			1.3							
					3.7	0.1	236	27.2	8.5	8.5	24.0	24.0	64.4	64.4	4.5	4.5	3.8	6	6	6	88	88	<0.2	1.3										
					3.7	0.1	246	27.2	8.5	8.5	24.0	24.0	64.7	64.6	4.5	4.5	3.8	7	7	7	88	88	<0.2	1.4										
					6.3	0.0	324	26.3	8.6	8.6	29.1	29.1	50.6	50.8	3.5	3.5	4.7	7	7	7	92	89	<0.2	1.0										
					6.3	0.0	325	26.3	8.6	8.6	29.0	29.1	50.9	50.9	3.5	3.5	4.7	7	7	7	92	89	<0.2	1.2										
IM3	Fine	Moderate	10:39	7.4	Surface	1.0	0.4	176	26.7	26.7	8.5	8.5	26.6	26.6	83.2	83.2	5.9	4.6	5.1	6.3	4	4	84	88	818805	805602	<0.2	1.1	<0.2	1.1				
						1.0	0.4	189	26.7	8.5	8.5	26.6	26.6	83.1	83.2	5.9	4.6	5.2	6.3	5	5	84	88	<0.2			1.1							
					3.7	0.1	167	26.4	8.5	8.5	28.1	28.1	46.9	47.0	3.2	3.2	6.7	4	4	4	88	88	<0.2	0.9										
					3.7	0.1	182	26.4	8.5	8.5	28.1	28.1	47.0	47.0	3.2	3.2	6.7	5	5	5	88	88	<0.2	1.0										
					6.4	0.1	185	26.2	8.5	8.5	28.8	28.8	49.8	50.0	3.4	3.4	7.1	6	6	6	91	89	<0.2	1.1										
					6.4	0.1	188	26.2	8.5	8.5	28.8	28.8	50.2	50.2	3.5	3.5	7.1	6	6	6	92	89	<0.2	0.9										
IM4	Fine	Moderate	10:48	8.1	Surface	1.0	0.2	228	27.9	27.9	8.5	8.5	19.6	19.6	83.2	83.2	5.9	5.6	1.8	2.4	6	6	83	88	819703	804620	<0.2	1.4	<0.2	1.5				
						1.0	0.2	228	27.8	8.5	8.5	19.6	19.6	83.1	83.2	5.9	5.6	1.8	2.4	4	4	84	88	<0.2			1.5							
					4.1	0.1	179	27.4	8.5	8.5	21.6	21.6	74.7	74.8	5.2	5.2	2.5	6	6	6	87	88	<0.2	1.2										
					4.1	0.1	180	27.4	8.5	8.5	21.6	21.6	74.9	74.8	5.3	5.3	2.6	5	5	5	88	88	<0.2	1.5										
					7.1	0.1	154	27.2	8.5	8.5	22.7	22.8	69.4	69.5	4.9	4.9	2.9	4	4	4	91	89	<0.2	1.0										
					7.1	0.1	168	27.1	8.5	8.5	22.8	22.8	69.5	69.5	4.9	4.9	3.0	4	4	4	92	89	<0.2	0.9										
IM5	Fine	Moderate	11:00	8.2	Surface	1.0	1.2	200	28.0	28.0	8.5	8.5	19.1	19.1	81.6	81.5	5.8	5.1	1.6	7.8	2	2	83	87	820730	804863	<0.2	1.5	<0.2	1.6				
						1.0	1.3	216	28.0	8.5	8.5	19.1	19.1	81.4	81.5	5.7	5.1	1.6	7.8	2	2	83	87	<0.2			1.6							
					4.1	1.0	202	27.1	8.5	8.5	22.0	22.0	63.8	63.8	4.5	4.5	8.2	3	3	3	87	87	<0.2	1.3										
					4.1	1.0	204	27.1	8.5	8.5	21.9	22.0	63.7	63.8	4.5	4.5	8.2	3	3	3	87	87	<0.2	1.0										
					7.2	0.8	192	26.7	8.5	8.5	26.5	26.5	52.5	52.6	3.6	3.6	13.6	4	4	4	91	89	<0.2	1.3										
					7.2	0.8	202	26.7	8.5	8.5	26.5	26.5	52.7	52.6	3.6	3.6	13.7	4	4	4	92	89	<0.2	1.2										
IM6	Fine	Rough	11:09	7.8	Surface	1.0	1.1	230	28.1	28.1	8.5	8.5	18.3	18.3	81.5	81.5	5.8	5.3	2.2	5.3	6	6	83	88	821047	805851	<0.2	1.4	<0.2	1.3				
						1.0	1.2	232	28.1	8.5	8.5	18.3	18.3	81.4	81.5	5.7	5.3	2.2	5.3	6	6	83	88	<0.2			1.3							
					3.9	1.0	213	27.5	8.5	8.5	20.7	20.7	68.7	68.6	4.8	4.8	3.2	5	5	5	88	88	<0.2	1.2										
					3.9	1.0	220	27.4	8.5	8.5	20.8	20.7	68.4	68.6	4.8	4.8	3.3	6	6	6	88	88	<0.2	1.0										
					6.8	0.9	210	26.4	8.5	8.5	27.5	27.4	54.7	54.9	3.8	3.8	10.3	7	7	7	91	89	<0.2	1.7										
					6.8	1.0	212	26.4	8.5	8.5	27.4	27.4	55.1	54.9	3.8	3.8	10.4	6	6	6	92	89	<0.2	1.8										
IM7	Fine	Rough	11:16	7.9	Surface	1.0	1.2	245	27.6	27.6	8.4	8.4	20.2	20.3	75.7	75.8	5.3	5.1	2.6	4.1	4	4	83	87	821354	806843	<0.2	1.4	<0.2	1.6				
						1.0	1.2	262	27.6	8.4	8.4	20.3																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 August 19 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	17:30	8.1	Surface	1.0	0.2	67	27.7	8.5	8.5	22.6	22.6	73.8	74.0	5.1	2.6	4.9	3.0	5	83	88	815602	804238	<0.2	0.9					
						1.0	0.2	68	27.7	8.5	8.5	22.6	22.6	74.1	5.1	2.6	6	84	88	<0.2	1.0										
						4.1	0.1	40	27.2	8.6	8.6	23.0	23.1	66.7	4.7	2.8	5	88	88	<0.2	1.0										
					Middle	4.1	0.1	41	27.1	8.6	8.6	23.1	23.1	66.0	4.6	2.8	4	91	88	<0.2	0.9										
						7.1	0.1	36	26.7	8.6	8.6	26.6	26.6	53.0	3.7	3.7	5	91	88	<0.2	0.9										
						7.1	0.1	38	26.7	8.6	8.6	26.6	26.6	52.9	3.7	3.6	5	92	88	<0.2	0.9										
					Bottom	1.0	1.4	69	29.1	7.8	7.8	16.0	16.0	76.0	5.3	5.5	6	85	88	<0.2	2.1										
						1.0	1.5	67	29.1	7.8	7.8	16.0	16.0	76.0	5.3	5.5	7	86	88	<0.2	2.2										
						5.0	0.6	77	26.7	7.7	7.7	27.2	27.1	49.3	3.4	10.9	7	89	88	<0.2	2.0										
Middle	5.0	0.7	76	26.8	7.7	7.7	27.0	27.0	49.1	3.4	11.0	8	89	88	<0.2	1.9															
	8.9	0.2	58	26.3	7.6	7.6	28.9	28.9	49.4	3.4	12.7	8	90	88	<0.2	2.0															
	8.9	0.2	62	26.3	7.6	7.6	28.9	28.9	49.5	3.4	12.7	9	90	88	<0.2	1.9															
Bottom	1.0	0.1	220	28.1	7.8	7.8	23.1	23.1	80.5	5.5	3.4	6	85	88	<0.2	1.1															
	1.0	0.1	229	28.1	7.8	7.8	23.1	23.1	80.5	5.5	3.5	5	86	88	<0.2	1.2															
	5.7	0.1	250	26.4	7.6	7.6	27.2	27.2	60.2	4.2	7.2	4	88	88	<0.2	1.0															
Middle	5.7	0.1	262	26.4	7.6	7.6	27.2	27.2	60.2	4.2	7.4	5	89	88	<0.2	1.2															
	10.3	0.0	271	25.4	7.6	7.6	30.6	30.6	66.9	4.6	10.9	5	90	88	<0.2	1.3															
	10.3	0.0	274	25.4	7.6	7.6	30.6	30.6	67.5	4.7	10.7	4	90	88	<0.2	1.3															
Bottom	1.0	0.0	33	27.4	8.5	8.5	22.8	22.8	66.9	4.7	4.1	6	84	88	<0.2	1.1															
	1.0	0.0	34	27.3	8.5	8.5	22.9	22.8	66.1	4.6	4.1	7	84	88	<0.2	1.2															
	-	-	-	-	-	-	-	-	-	-	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Middle	4.2	0.1	340	26.6	8.5	8.5	27.9	27.8	50.9	5.1	3.5	5.1	7	91	88	<0.2	1.1														
	4.2	0.1	351	26.6	8.5	8.5	27.8	27.8	51.3	3.5	5.1	6	91	88	<0.2	1.0															
	1.0	0.2	54	27.6	8.5	8.5	23.1	23.1	73.1	5.1	7.2	4	83	88	<0.2	1.2															
Surface	1.0	0.2	56	27.6	8.5	8.5	23.1	23.1	73.2	5.1	7.2	5	84	88	<0.2	1.1															
	3.8	0.1	64	27.5	8.5	8.5	20.2	20.2	71.6	5.6	11.0	4	87	88	<0.2	1.2															
	3.8	0.1	66	27.5	8.5	8.5	20.2	20.2	71.6	5.6	11.0	5	87	88	<0.2	1.0															
Middle	6.6	0.1	64	27.5	8.5	8.5	23.2	23.2	65.6	4.6	7.8	8	89	88	<0.2	1.1															
	6.6	0.1	61	27.5	8.5	8.5	23.2	23.2	65.3	4.5	7.8	8	91	88	<0.2	1.1															
	1.0	0.5	55	27.6	8.5	8.5	23.5	23.5	71.5	5.0	2.9	7	83	88	<0.2	1.2															
Surface	1.0	0.5	56	27.5	8.5	8.5	23.5	23.5	71.7	5.0	2.9	6	84	88	<0.2	1.1															
	3.9	0.3	57	26.6	8.5	8.5	26.9	26.9	62.1	4.3	6.9	5	87	88	<0.2	1.2															
	3.9	0.3	56	26.6	8.5	8.5	26.9	26.9	61.7	4.3	6.9	5	88	88	<0.2	1.1															
Middle	6.8	0.2	62	26.2	8.5	8.5	28.7	28.8	50.3	3.5	11.7	4	92	88	<0.2	1.2															
	6.8	0.2	60	26.2	8.5	8.5	28.8	28.8	50.5	3.5	11.6	6	92	88	<0.2	1.1															
	1.0	1.3	45	27.4	8.5	8.5	23.7	23.7	65.4	4.5	7.2	6	83	88	<0.2	1.2															
Surface	1.0	1.4	44	27.4	8.5	8.5	23.7	23.7	65.2	4.5	7.2	7	83	88	<0.2	1.2															
	4.0	1.0	42	26.9	8.5	8.5	25.5	25.4	71.6	5.0	6.4	11	88	88	<0.2	1.6															
	4.0	1.1	43	26.9	8.5	8.5	25.3	25.4	71.7	5.0	6.4	10	88	88	<0.2	1.2															
Middle	7.0	0.9	43	26.4	8.5	8.5	28.1	28.1	51.0	3.5	8.7	10	92	88	<0.2	1.5															
	7.0	0.9	43	26.4	8.5	8.5	28.1	28.1	51.3	3.5	8.8	11	92	88	<0.2	1.6															
	1.0	1.2	34	27.7	8.4	8.4	20.2	20.2	75.1	5.3	3.2	4	84	88	<0.2	1.8															
Surface	1.0	1.3	35	27.7	8.4	8.4	20.2	20.2	75.0	5.3	3.2	4	84	88	<0.2	2.0															
	3.8	0.9	35	27.3	8.5	8.5	22.2	22.2	67.2	4.7	9.1	3	88	88	<0.2	1.8															
	3.8	1.0	34	27.3	8.5	8.5	22.2	22.2	67.3	4.7	9.1	4	88	88	<0.2	1.9															
Middle	6.5	0.9	37	27.2	8.5	8.5	23.1	23.1	62.0	4.3	12.9	2	91	88	<0.2	1.9															
	6.5	0.9	38	27.2	8.5	8.5	23.1	23.1	61.8	4.3	12.9	2	92	88	<0.2	1.9															
	1.0	1.0	22	28.0	8.4	8.4	18.8	18.8	80.2	5.7	2.3	5	83	88	<0.2	1.9															
Surface	1.0	1.1	25	28.0	8.4	8.4	18.9	18.8	79.9	5.6	2.4	6	83	88	<0.2	1.7															
	4.1	0.9	24	27.0	8.5	8.5	24.2	24.2	61.6	4.3	5.0	4	87	88	<0.2	1.8															
	4.1	1.0	26	27.0	8.5	8.5	24.2	24.2	61.8	4.3	5.2	5	87	88	<0.2	1.6															
Middle	7.2	0.7	23	26.5	8.5	8.5	27.0	27.0	53.9	3.7	8.7	4	91	88	<0.2	1.8															
	7.2	0.8	24	26.5	8.5	8.5	27.0	27.0	54.4	3.8	8.7	5	92	88	<0.2	1.9															
	1.0	1.1	24	27.8	8.4	8.4	19.4	19.4	78.7	5.6	2.3	6	84	88	<0.2	1.8															
Surface	1.0	1.2	25	27.8	8.4	8.4	19.4	19.4	78.5	5.5	2.4	6	84	88	<0.2	1.6															
	4.2	1.0	25	27.1	8.4	8.4	24.0	24.0	67.0	4.7	3.9	4	87	88	<0.2	1.5															
	4.2	1.0	26	27.1	8.4	8.4	23.9	24.0	67.7	4.7	3.9	4	88	88	<0.2	1.6															
Middle	7.3	0.8	24	26.6	8.5	8.5	25.7	25.7	53.6	3.7	4.9	4	91	88	<0.2	2.0															
	7.3	0.8	24	26.6	8.5	8.5	25.7	25.7	53.8	3.7	4.9	5	91	88	<0.2	1.9															
	1.0	0.4	16	28.4	7.6	7.6	19.6	19.6	72.1	5.0	3.8	5	85	88	<0.2	2.1															
Surface	1.0	0.4	18	28.4	7.6	7.6	19.6	19.6	72.0	5.0	3.8	4	85	88	<0.2	1.9															
	3.4	0.2	15	28.2	7.6	7.6	20.8	20.8	71.0	4.9	7.2	4	90	88	<0.2	2.1															
	3.4	0.2	18	28.2	7.6	7.6	20.8	20.8	71.1	4.9	7.3	4	90	88	<0.2	2.1															
Middle	5.8	0.2	14	28.1	7.6	7.6	21.5	21.5	73.4	5.1	9.0	6	91	88	<0.2	2.6															
	5.8	0.2	16	28.1	7.6	7.6	21.5	21.5	73.6	5.1	8.7	5	91	88	<0.2	2.4															
	5.8	0.2	16	28.1	7.6	7.6	21.5	21.5	73.6	5.1	8.7	5	91	88	<0.2	2.4															
Bottom	1.0	0.4	16	28.4	7.6	7.6	19.6	19.6	72.1	5.0	3.8	5	85	88	<0.2	2.1															
	1.0	0.4	18	28.4	7.6	7.6	19.6	19.6	72.0	5.0	3.8	4	85	88	<0.2	1.9															
	3.4	0.2	15	28.2	7.6	7.6	20.8	20.8	71.0	4.9	7.2	4	90	88	<0.2	2.1															
Middle	3.4	0.2	18	28.2	7.6	7.6	20.8	20.8	71.1	4.9	7.3	4	90	88	<0.2	2.1															
	5.8	0.2	14	28.1	7.6	7.6	21.5	21.5	73.4	5.1	9.0	6	91	88	<0.2	2.6															
	5.8	0.2	16	28.1	7.6	7.6	21.5	21.5	73.6	5.1	8.7	5	91	88	<0.2	2.4															
Bottom	1.0	0.4	16	28.4	7.6	7.6	19.6	19.6	72.1	5.0	3.8	5	85	88	<0.2	2.1															
	1.0	0.4	18	28.4	7.6	7.6	19.6	19.6	72.0	5.0																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 August 19 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	16:37	6.4	Surface	1.0	0.3	351	28.6	28.6	7.7	7.7	18.5	18.5	75.7	75.6	5.3	3.3	6	6	86	88	88	88	822097	808807	<0.2	2.2	2.2	2.2					
						1.0	0.3	354	28.6	28.6	7.7	7.7	19.5	19.5	75.4	75.4	5.3	3.4	6	6	86	88	88	88	822097	808807	<0.2	2.1	2.1	2.1					
					Middle	3.2	0.3	333	28.4	28.4	7.7	7.7	19.6	19.6	71.8	71.8	5.0	4.4	6	6	88	88	88	88	822097	808807	<0.2	2.1	2.1	2.1	2.1				
						3.2	0.3	337	28.4	28.4	7.7	7.7	18.6	18.6	71.7	71.7	5.0	4.4	6	6	89	89	89	89	822097	808807	<0.2	2.2	2.2	2.2	2.2				
						5.4	0.2	328	28.2	28.2	7.7	7.7	21.0	21.0	71.6	71.6	5.0	6.4	7	7	90	90	90	90	822097	808807	<0.2	2.2	2.2	2.2	2.2				
						5.4	0.3	338	28.2	28.2	7.7	7.7	21.0	21.0	71.7	71.7	5.0	6.8	6	6	90	90	90	90	822097	808807	<0.2	2.2	2.2	2.2	2.2				
IM10	Cloudy	Moderate	16:44	6.1	Surface	1.0	0.9	328	28.2	28.2	7.7	7.7	20.1	20.2	71.2	71.2	5.0	4.8	6	6	85	85	85	85	822370	809772	<0.2	1.9	1.9	1.9					
						1.0	0.9	327	28.2	28.2	7.7	7.7	20.2	20.2	71.2	71.2	5.0	4.8	5	5	86	86	86	86	822370	809772	<0.2	2.0	2.0	2.0					
					Middle	3.1	0.6	306	27.9	27.9	7.7	7.7	22.1	22.1	70.8	70.9	4.9	6.5	5	5	89	89	89	89	822370	809772	<0.2	2.0	2.0	2.0	2.0				
						3.1	0.7	309	27.9	27.9	7.7	7.7	22.1	22.1	71.0	71.0	4.9	6.6	4	4	89	89	89	89	822370	809772	<0.2	2.0	2.0	2.0	2.0				
						5.1	0.5	298	27.9	27.9	7.7	7.7	22.2	22.2	79.2	79.5	5.5	6.8	4	4	90	90	90	90	822370	809772	<0.2	2.1	2.1	2.1	2.1				
						5.1	0.5	304	27.9	27.9	7.7	7.7	22.2	22.2	79.7	79.7	5.5	6.7	5	5	90	90	90	90	822370	809772	<0.2	2.0	2.0	2.0	2.0				
IM11	Cloudy	Moderate	16:55	7.5	Surface	1.0	0.8	305	28.5	28.5	7.7	7.7	19.3	19.3	74.8	74.8	5.2	3.8	3	3	85	85	85	85	822039	811459	<0.2	2.2	2.2	2.2					
						1.0	0.9	314	28.5	28.5	7.7	7.7	19.3	19.3	74.8	74.8	5.2	3.8	4	4	85	85	85	85	822039	811459	<0.2	2.2	2.2	2.2	2.2				
					Middle	3.8	0.7	300	27.8	27.8	7.7	7.7	22.9	22.9	67.6	67.7	4.7	7.2	3	3	88	88	88	88	822039	811459	<0.2	2.1	2.1	2.1	2.1				
						3.8	0.7	299	27.8	27.8	7.7	7.7	22.9	22.9	67.7	67.7	4.7	7.3	3	3	89	89	89	89	822039	811459	<0.2	2.2	2.2	2.2	2.2				
						6.5	0.4	294	27.8	27.8	7.7	7.7	23.2	23.2	73.8	74.0	5.1	17.3	5	5	90	90	90	90	822039	811459	<0.2	2.2	2.2	2.2	2.2				
						6.5	0.5	286	27.8	27.8	7.7	7.7	23.2	23.2	74.2	74.0	5.1	17.5	4	4	90	90	90	90	822039	811459	<0.2	2.1	2.1	2.1	2.1				
IM12	Cloudy	Moderate	17:03	8.2	Surface	1.0	0.7	288	29.0	29.0	7.8	7.8	17.5	17.5	77.5	78.1	5.5	3.2	5	5	85	85	85	85	821457	812035	<0.2	2.0	2.0	2.0					
						1.0	0.7	280	29.0	29.0	7.8	7.8	17.5	17.5	77.7	78.1	5.4	3.3	5	5	86	86	86	86	821457	812035	<0.2	1.9	1.9	1.9					
					Middle	4.1	0.4	289	27.7	27.7	7.7	7.7	23.6	23.6	65.8	65.9	4.5	7.7	5	5	88	88	88	88	821457	812035	<0.2	1.9	1.9	1.9	1.9				
						4.1	0.4	276	27.7	27.7	7.7	7.7	23.6	23.6	65.9	65.9	4.6	7.8	4	4	88	88	88	88	821457	812035	<0.2	2.0	2.0	2.0	2.0				
						7.2	0.1	255	27.6	27.6	7.7	7.7	25.2	25.2	75.5	75.9	5.2	8.7	6	6	89	89	89	89	821457	812035	<0.2	1.9	1.9	1.9	1.9				
						7.2	0.2	258	27.6	27.6	7.7	7.7	25.2	25.2	76.2	75.9	5.2	8.6	6	6	89	89	89	89	821457	812035	<0.2	2.0	2.0	2.0	2.0				
SR1A	Cloudy	Calm	17:25	4.9	Surface	1.0	-	-	29.2	29.2	7.8	7.8	16.9	16.9	77.7	78.1	5.5	3.0	5	5	-	-	-	-	819981	812655	-	-	-	-					
						1.0	-	-	29.2	29.2	7.8	7.8	16.9	16.9	77.4	77.4	5.4	3.2	4	4	-	-	-	-	819981	812655	-	-	-	-					
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.9	-	-	27.8	27.8	7.7	7.7	23.0	23.0	66.7	66.8	4.6	5.0	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.9	-	-	27.8	27.8	7.7	7.7	23.0	23.0	66.8	66.8	4.6	5.0	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-		
SR2	Cloudy	Moderate	17:35	4.7	Surface	1.0	0.5	278	28.3	28.3	7.7	7.7	19.4	19.5	74.8	74.8	5.2	3.6	6	6	85	85	85	85	821464	814174	<0.2	1.8	1.8	1.8					
						1.0	0.5	281	28.2	28.2	7.7	7.7	19.6	19.6	74.8	74.8	5.2	3.7	5	5	86	86	86	86	821464	814174	<0.2	1.8	1.8	1.8	1.8				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	0.3	276	28.0	28.0	7.7	7.7	23.2	23.2	84.8	85.2	5.8	4.6	5	5	89	89	89	89	821464	814174	<0.2	1.8	1.8	1.8	1.8				
						3.7	0.3	279	28.0	28.0	7.7	7.7	23.1	23.1	85.6	85.2	5.9	4.5	5	5	89	89	89	89	821464	814174	<0.2	1.8	1.8	1.8	1.8				
SR3	Cloudy	Rough	16:21	7.6	Surface	1.0	0.9	42	28.8	28.8	7.7	7.7	17.0	17.0	75.3	75.2	5.3	4.3	4	4	-	-	-	-	822131	807592	-	-	-	-					
						1.0	0.9	39	28.8	28.8	7.7	7.7	17.0	17.0	75.1	75.1	5.3	4.3	5	5	-	-	-	-	822131	807592	-	-	-	-	-				
					Middle	3.8	0.7	21	27.9	27.9	7.6	7.6	22.5	22.5	67.0	67.1	4.6	6.3	5	5	-	-	-	-	-	-	822131	807592	-	-	-	-	-		
						3.8	0.7	22	27.9	27.9	7.6	7.6	22.5	22.5	67.2	67.1	4.7	6.4	5	5	-	-	-	-	-	-	822131	807592	-	-	-	-	-		
						6.6	0.5	24	27.8	27.8	7.7	7.7	23.1	23.1	72.7	72.9	5.0	8.2	4	4	-	-	-	-	-	-	822131	807592	-	-	-	-	-		
						6.6	0.6	24	27.8	27.8	7.7	7.7	23.1	23.1	73.1	72.9	5.1	8.0	5	5	-	-	-	-	-	-	822131	807592	-	-	-	-	-		
SR4A	Cloudy	Rough	17:59	9.5	Surface	1.0	1.0	256	28.0	28.0	8.7	8.7	20.1	20.0	76.2	76.2	5.3	5.7	5	5	-	-	-	-	817191	807801	-	-	-	-					
						1.0	1.1	274	28.0	28.0	8.7	8.7	20.0	20.0	76.2	76.2	5.3	5.7	6	6	-	-	-	-	817191	807801	-	-	-	-	-				
					Middle	4.8	0.9	247	27.2	27.2	8.7	8.7	21.5	21.4	68.0	67.7	4.8	7.4	7	7	-	-	-	-	-	-	817191	807801	-	-	-	-	-		
						4.8	1.0	260	27.1	27.1	8.7	8.7	21.4	21.4	67.3	67.7	4.8	7.4	6	6	-	-	-	-	-	-	817191	807801	-	-	-	-	-		
						8.5	0.7	244	26.8	26.9	8.6	8.6	26.9	26.8	55.7	56.1	3.8	13.1	8	8	-	-	-	-	-	-	817191	807801	-	-	-	-	-		
						8.5	0.8	258																											

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

Water Quality Monitoring Results on 29 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Rainy	Moderate	11:28	8.4	Surface	1.0	0.5	221	27.5	27.5	7.8	7.8	27.4	27.4	73.7	73.8	5.0		7.8		8		86		815611	804244	<0.2	0.9	0.9	0.9		
						1.0	0.5	223	27.5	27.5	7.8	7.8	27.4	27.4	73.8	73.8	5.0		7.6		9		86		88		<0.2	1.0	0.9	0.9		
						4.2	0.4	215	26.6	26.6	7.8	7.8	29.7	29.7	48.8	48.9	3.3	4.2	13.4		6	7	88		88		<0.2	0.9	0.9	0.9		
					4.2	0.4	234	26.6	26.6	7.8	7.8	29.7	29.7	48.9	48.9	3.3		14.2		6		88		88		<0.2	0.9	0.9	0.9			
					7.4	0.3	213	26.8	26.8	7.8	7.8	29.3	29.2	51.8	52.0	3.5	3.5	18.5		7		90		90		<0.2	0.9	0.9	0.9			
					7.4	0.3	232	26.8	26.8	7.8	7.8	29.1	29.1	52.1	52.1	3.5	3.5	18.3		6		90		90		<0.2	1.0	1.0	1.0			
C2	Rainy	Moderate	13:42	11.3	Surface	1.0	0.5	182	27.2	27.2	8.1	8.1	22.8	22.8	72.9	72.8	5.1		6.2		5		85		825658	806938	<0.2	1.6	1.6	1.6		
						1.0	0.5	199	27.2	27.2	8.1	8.1	22.8	22.8	72.7	72.7	5.1	4.8	6.5		4	6	86		87		<0.2	1.4	1.5	1.5		
						5.7	0.3	135	26.5	26.5	8.1	8.1	26.9	27.0	64.5	64.5	4.5		10.6		4		88		88		<0.2	1.5	1.3	1.3		
					5.7	0.3	140	26.5	26.5	8.1	8.1	27.0	27.0	64.5	64.5	4.5	4.6	10.6		5		90		90		<0.2	1.3	1.3	1.3			
					10.3	0.3	89	26.4	26.4	8.0	8.0	27.7	27.7	65.8	66.0	4.5	4.6	11.4		9		90		90		<0.2	1.5	1.5	1.5			
					10.3	0.3	91	26.4	26.4	8.0	8.0	27.7	27.7	66.1	66.1	4.6	4.6	11.8		9		90		90		<0.2	1.5	1.5	1.5			
C3	Cloudy	Moderate	11:12	12.6	Surface	1.0	0.4	101	25.8	25.8	8.0	8.0	27.5	27.4	72.3	72.3	5.0		2.9		10		86		822092	817804	<0.2	1.1	1.2	1.1		
						1.0	0.4	109	25.8	25.8	8.1	8.1	27.4	27.4	72.2	72.2	5.0	4.7	3.0		10	11	85		87		<0.2	1.1	1.1	1.1		
						6.3	0.3	92	24.7	24.7	8.1	8.1	30.9	31.0	63.4	63.3	4.4		3.8		4		87		87		<0.2	1.1	1.1	1.1		
					6.3	0.3	95	24.6	24.6	8.1	8.1	31.1	31.4	63.2	63.4	4.4	4.5	3.8		10		87		87		<0.2	1.1	1.1	1.1			
					11.6	0.3	34	24.4	24.4	8.1	8.1	31.4	31.4	63.7	63.8	4.5	4.5	4.2		12		91		91		<0.2	1.0	1.0	1.0			
					11.6	0.3	36	24.4	24.4	8.1	8.1	31.4	31.4	63.9	63.9	4.5	4.5	4.2		11		90		90		<0.2	1.1	1.1	1.1			
IM1	Rainy	Moderate	11:41	5.5	Surface	1.0	0.3	180	27.4	27.4	7.8	7.8	27.5	27.6	74.1	74.1	5.0		3.7		5		85		817969	807120	<0.2	1.0	0.9	0.9		
						1.0	0.3	197	27.3	27.3	7.8	7.8	27.6	27.6	74.0	74.0	5.0	5.0	3.8		5	5	85		85		<0.2	0.9	0.9	0.9		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.5	0.1	160	27.1	27.1	7.8	7.8	28.6	28.6	66.6	66.8	4.5	4.5	4.6		5		88		88		<0.2	0.6	0.6	0.6			
					4.5	0.1	171	27.1	27.1	7.8	7.8	28.6	28.6	67.0	67.0	4.5	4.5	4.6		6		89		89		<0.2	0.8	0.8	0.8			
					4.5	0.1	171	27.1	27.1	7.8	7.8	28.6	28.6	67.0	67.0	4.5	4.5	4.6		6		89		89		<0.2	0.8	0.8	0.8			
IM2	Rainy	Moderate	11:48	7.6	Surface	1.0	0.3	196	27.2	27.2	7.8	7.8	27.4	27.4	71.0	71.1	4.8		7.7		4		85		818163	806174	<0.2	1.0	0.9	0.9		
						1.0	0.3	201	27.2	27.2	7.8	7.8	27.4	27.4	71.1	71.1	4.8	4.7	7.5		5	4	85		89		<0.2	1.0	0.9	0.9		
						3.8	0.3	165	26.9	26.9	7.8	7.8	29.0	29.0	66.0	66.0	4.5		6.4		4		89		89		<0.2	0.9	0.9	0.9		
					3.8	0.4	177	26.9	26.9	7.8	7.8	28.9	29.0	65.9	66.0	4.5	3.8	6.6		3	4	89		89		<0.2	0.9	0.9	0.9			
					6.6	0.3	161	26.9	26.9	7.8	7.8	29.6	29.5	55.4	55.7	3.8	3.8	10.8		4		90		90		<0.2	1.0	1.0	1.0			
					6.6	0.3	167	26.9	26.9	7.8	7.8	29.5	29.5	56.0	55.7	3.8	3.8	10.7		4		90		90		<0.2	0.9	0.9	0.9			
IM3	Cloudy	Moderate	11:54	7.9	Surface	1.0	0.3	215	27.3	27.3	7.8	7.8	27.1	27.1	69.9	70.5	4.8		5.7		4		84		818769	805596	<0.2	1.0	1.0	1.0		
						1.0	0.3	220	27.3	27.3	7.8	7.8	27.1	27.1	71.0	71.0	4.8	4.6	5.5		5	4	85		88		<0.2	0.9	0.9	0.9		
						4.0	0.2	175	26.9	26.9	7.8	7.8	28.8	28.8	65.3	65.4	4.4		7.3		3		88		88		<0.2	0.9	0.9	0.9		
					4.0	0.2	191	26.9	26.9	7.8	7.8	28.9	28.8	65.4	65.4	4.4	3.7	7.3		4	4	88		88		<0.2	0.9	0.9	0.9			
					6.9	0.4	136	26.7	26.8	7.8	7.8	30.0	29.9	54.7	55.0	3.7	3.7	12.0		4		89		89		<0.2	0.9	0.9	0.9			
					6.9	0.4	146	26.8	26.8	7.8	7.8	29.9	29.9	55.2	55.0	3.7	3.7	12.1		4		90		90		<0.2	0.9	0.9	0.9			
IM4	Cloudy	Moderate	12:02	8.4	Surface	1.0	0.8	195	27.2	27.2	7.8	7.8	26.5	26.5	73.8	74.4	5.1		4.5		6		85		819706	804623	<0.2	0.9	1.0	0.9		
						1.0	0.8	195	27.2	27.2	7.8	7.8	26.5	26.5	75.0	74.4	5.1	4.8	4.7		7	6	86		88		<0.2	1.0	0.9	0.9		
						4.2	0.6	177	26.9	26.9	7.8	7.8	28.4	28.4	64.5	64.5	4.4		6.2		6		88		88		<0.2	0.9	0.9	0.9		
					4.2	0.6	189	26.9	26.9	7.8	7.8	28.4	28.4	64.4	64.5	4.4	3.5	6.2		6	6	89		89		<0.2	0.8	0.8	0.8			
					7.4	0.4	166	26.4	26.5	7.8	7.8	30.4	30.3	51.4	51.6	3.5	3.5	10.3		6		90		90		<0.2	0.9	0.9	0.9			
					7.4	0.4	168	26.5	26.5	7.8	7.8	30.3	30.3	51.8	51.6	3.5	3.5	10.2		6		90		90		<0.2	0.9	0.9	0.9			
IM5	Cloudy	Moderate	12:12	7.8	Surface	1.0	0.7	225	27.7	27.7	7.8	7.8	25.4	25.4	73.1	73.2	5.0		4.2		5		84		820755	804880	<0.2	0.8	0.7	0.8		
						1.0	0.7	229	27.7	27.7	7.8	7.8	25.4	25.4	73.3	73.2	5.0	4.6	4.2		6	6	84		88		<0.2	0.7	0.8	0.8		
						3.9	0.6	208	26.8	26.9	7.8	7.8	28.8	29.3	62.5	62.5	4.2		7.2		5		88		88		<0.2	0.8	0.8	0.8		
					3.9	0.6	226	27.0	27.0	7.8	7.8	29.7	29.3	62.4	62.5	4.2	4.2	7.1		6	6	88		88		<0.2	0.9	0.9	0.9			
					6.8	0.4	204	27.1	27.3	7.8	7.8	29.6	29.5	62.0	62.1	4.2	4.2	11.6		5		89		89		<0.2	0.9	0.9	0.9			
					6.8	0.4	223	27.4	27.3	7.8	7.8	29.4	29.5	62.1	62.1	4.2	4.2	11.2		6		90		90		<0.2	0.8	0.8	0.8			
IM6	Cloudy	Moderate	12:21	8.0	Surface	1.0	0.6	223	27.8	27.8	7.8	7.8	25.1	25.1	68.6	68.7	4.7		4.2		5		84		821065	805844	<0.2	1.0	0.9	0.9		
						1.0	0.6	236	27.8	27.8	7.8	7.8	25.0	25.0	68.7	68.7	4.7	4.6	4.2		4	5	85		88							

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

Water Quality Monitoring Results on 29 August 19 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	13:07	6.9	Surface	1.0	0.3	125	27.1	27.1	8.0	8.0	24.1	24.1	72.1	72.0	5.0	4.1	3	86	88	822073	808809	<0.2	1.2	<0.2	1.4					
						1.0	0.3	134	27.1	8.0	8.0	24.1	24.1	71.9	72.0	5.0	4.2	<2	86	88												
						3.5	0.4	130	26.7	26.7	8.0	8.0	24.6	24.6	69.4	69.4	4.8	5.7	4	89	87											
					3.5	0.4	142	26.7	26.7	8.0	8.0	24.7	24.7	69.3	69.3	4.8	5.7	3	89	87												
					5.9	0.2	88	26.4	26.4	7.9	7.9	26.7	26.7	64.5	64.5	4.5	7.9	5	90	89												
					5.9	0.2	94	26.4	26.4	7.9	7.9	26.7	26.7	64.5	64.5	4.5	7.9	4	90	89												
IM10	Rainy	Moderate	12:59	7.2	Surface	1.0	0.8	123	27.1	27.1	8.0	8.0	23.8	23.8	73.1	73.0	5.1	4.1	5	85	88	822377	809804	<0.2	1.2	<0.2	1.2					
						1.0	0.9	125	27.1	27.1	8.0	8.0	23.9	23.9	72.9	72.9	5.1	4.2	4	86	88											
						3.6	0.7	106	26.6	26.6	8.0	8.0	25.3	25.3	63.9	63.9	4.4	6.9	9	87	87											
					3.6	0.7	111	26.6	26.6	8.0	8.0	25.3	25.3	63.8	63.8	4.4	6.9	10	87	87												
					6.2	0.5	108	26.3	26.3	8.0	8.0	27.0	27.0	58.1	58.1	4.0	13.6	11	90	89												
					6.2	0.6	113	26.3	26.3	8.0	8.0	27.0	27.0	58.1	58.1	4.0	13.6	12	90	89												
IM11	Rainy	Moderate	12:45	7.9	Surface	1.0	0.7	106	27.3	27.4	7.9	7.9	23.1	23.1	78.1	78.1	5.4	4.8	5	85	88	822035	811464	<0.2	1.5	<0.2	1.4					
						1.0	0.7	106	27.4	27.4	7.9	7.9	23.1	23.1	78.1	78.1	5.4	5.0	6	88	87											
						4.0	0.5	112	26.1	26.1	8.0	8.0	27.3	27.3	67.1	67.1	4.6	8.8	8	87	87											
					4.0	0.5	116	26.1	26.1	8.0	8.0	27.4	27.4	67.1	67.1	4.6	8.8	8	87	87												
					6.9	0.4	113	26.1	26.1	7.9	7.9	27.9	27.9	57.1	57.1	4.0	15.2	14	90	89												
					6.9	0.4	115	26.1	26.1	7.9	7.9	27.9	27.9	57.5	57.5	4.0	15.2	14	90	89												
IM12	Rainy	Moderate	12:35	8.4	Surface	1.0	0.7	116	27.1	27.1	7.9	7.9	23.4	23.4	78.8	78.8	5.5	5.6	6	86	88	821466	812024	<0.2	1.5	<0.2	1.4					
						1.0	0.7	122	27.1	27.1	7.9	7.9	23.4	23.4	78.8	78.8	5.5	5.7	6	86	88											
						4.2	0.5	106	26.6	26.6	8.0	8.0	25.8	25.8	68.9	68.9	4.8	7.9	9	89	89											
					4.2	0.6	113	26.6	26.6	8.0	8.0	25.8	25.8	68.9	68.9	4.8	7.9	8	88	88												
					7.4	0.3	97	25.7	25.7	8.0	8.0	27.7	27.7	59.4	59.4	4.1	7.8	8	90	89												
					7.4	0.3	102	25.7	25.7	8.0	8.0	27.7	27.7	59.7	59.7	4.2	7.8	9	90	89												
SR1A	Cloudy	Moderate	12:01	5.3	Surface	1.0	-	-	26.1	26.1	7.9	7.9	25.8	25.8	64.8	64.7	4.5	6.0	6	-	-	819983	812664	-	-	-	-					
						1.0	-	-	26.0	26.0	7.9	7.9	25.9	25.9	64.6	64.6	4.5	6.2	7	-	-											
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					4.3	-	-	25.4	25.4	7.9	7.9	28.8	28.8	60.1	60.3	4.2	8.4	5	-	-												
					4.3	-	-	25.4	25.4	7.9	7.9	28.8	28.8	60.4	60.4	4.2	8.4	6	-	-												
SR2	Cloudy	Moderate	11:38	4.9	Surface	1.0	0.4	82	26.5	26.5	7.9	7.9	25.2	25.1	65.7	65.7	4.6	5.2	13	86	88	821446	814166	<0.2	1.2	<0.2	1.2					
						1.0	0.4	90	26.5	26.5	7.9	7.9	25.1	25.1	65.6	65.6	4.6	5.4	15	87	87											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					3.9	0.3	70	25.3	25.3	7.9	7.9	29.0	29.0	53.8	53.9	3.8	10.0	15	89	89												
					3.9	0.3	72	25.3	25.3	7.9	7.9	29.0	29.0	53.9	53.9	3.8	10.0	15	90	89												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR3	Rainy	Moderate	13:25	8.0	Surface	1.0	0.4	197	26.9	26.9	8.0	8.0	24.8	24.9	72.7	72.6	5.1	5.0	7	-	-	822138	807573	-	-	-	-					
						1.0	0.4	205	26.9	26.9	8.0	8.0	24.9	24.9	72.5	72.5	5.0	5.1	8	-	-											
						4.0	0.1	223	26.6	26.6	8.0	8.0	25.5	25.5	63.2	63.2	4.4	6.5	7	-	-											
					4.0	0.1	245	26.6	26.6	8.0	8.0	25.6	25.6	63.1	63.1	4.4	6.7	7	-	-												
					7.0	0.3	11	26.4	26.4	8.0	8.0	27.5	27.5	62.3	62.3	4.3	8.4	5	-	-												
					7.0	0.3	11	26.4	26.4	8.0	8.0	27.5	27.5	62.7	62.7	4.3	8.6	6	-	-												
SR4A	Rainy	Calm	11:04	8.5	Surface	1.0	0.1	269	27.9	27.9	7.8	7.8	25.7	25.7	75.0	75.0	5.1	3.8	8	-	-	817178	807787	-	-	-	-					
						1.0	0.1	272	27.9	27.9	7.8	7.8	25.8	25.8	74.9	74.9	5.1	3.8	8	-	-											
						4.3	0.0	15	27.5	27.5	7.8	7.8	28.5	28.5	60.7	60.8	4.1	9.4	7	-	-											
					4.3	0.0	15	27.5	27.5	7.8	7.8	28.5	28.5	60.9	60.9	4.1	9.4	8	-	-												
					7.5	0.0	100	27.0	27.0	7.8	7.8	29.1	29.0	55.9	56.3	3.8	14.9	7	-	-												
					7.5	0.0	109	27.1	27.1	7.8	7.8	29.0	29.0	56.7	56.7	3.8	15.0	8	-	-												
SR5A	Cloudy	Calm	10:48	5.5	Surface	1.0	0.0	345	28.1	28.1	7.8	7.8	23.9	23.9	78.5	78.5	5.4	5.3	9	-	-	816593	810706	-	-	-	-					
						1.0	0.0	317	28.0	28.0	7.8	7.8	23.9	23.9	78.4	78.4	5.4	5.6	10	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					4.5	0.2	119	27.5	27.6	7.8	7.8	27.1	27.1	68.0	70.3	4.6	8.4	6	-	-												
					4.5	0.2	127	27.6	27.6	7.8	7.8	27.1	27.1	72.6	72.6	4.9	8.5	7	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR6A	Cloudy	Calm	10:23	5.2	Surface	1.0	0.1	155	28.9	28.9	7.8	7.8	22.8	22.8	82.5	82.4	5.6	3.4	8	-	-	817955	814742	-	-	-	-					
						1.0	0.1	164	28.9	28.9	7.8	7.8	22.8	22.8	82.2	82.2	5.6	3.6	9	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					4.2	0.0	184	28.0	28.1	7.8	7.8	26.6	26.6	64.2	64.7	4.3	6.5	6	-	-												
					4.2	0.0	194	28.1	28.1	7.8	7.8	26.5	26.6	65.1	65.1	4.4	5.7	5	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR7	Cloudy	Moderate	10:37	16.2	Surface	1.0	0.7	72	25.0	25.0	8.0	8.0	30.1	30.1	74.6	74.6	5.2	3.2	11	-	-	823630	823731	-	-	-	-					
						1.0	0.8	78	25.0	25.0	8.0	8.0	30.1	30.1	74.6	74.6	5.2	3.3	11	-	-											
						8.1	0.5	62	24.6	24.6	8.1	8.0	31.2	31.2	70.1	70.1	4.9	4.8	8	-	-											
					8.1	0.5	67	24.6	24.6	8.0	8.0	31.2	31.2	70.1	70.1	4.9	4.8	7	-	-												
					15.2	0.2	44	24.5	24.5	8.0	8.0	31.3	31.3	61.0	61.1	4.3	5.2	7	-	-												
					15.2	0.2	47	24.5	24.5	8.0	8.0	31.3	31.3	61.1	61.1	4.3	5.3	8	-	-												
SR8	Cloudy	Moderate	12:25	5.1	Surface	1.0	-	-	27.4	27.4	7.9	7.9	23.4	23.4	70.0	70.0	4.9	4.5	7	-	-	820396	811633	-	-	-	-					
						1.0	-	-	27.4	27.4	7.9	7.9	23.4	23.4	69.9	69.9	4.9	4.5	7	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					4.1	-	-	26.9	26.9	7.9	7.9	24.6	24.6																			

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

Water Quality Monitoring Results on 29 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Cloudy	Moderate	18:25	9.8	Surface	1.0	0.4	50	27.4	27.4	7.9	7.9	27.3	27.3	67.1	66.9	4.6		5.4		5		86						<0.2	0.9			
						1.0	0.4	49	27.4	27.4	7.9	7.9	27.3	27.3	66.7	66.9	4.5	4.1	5.3		4		86						<0.2	0.8			
					Middle	4.9	0.2	64	26.6	26.6	7.8	7.8	29.9	29.9	52.7	52.9	3.6		10.9		4		88						<0.2	0.8			
						4.9	0.2	62	26.6	26.6	7.8	7.8	29.9	29.9	53.0	52.9	3.6		10.9		4		89						<0.2	0.7			
					Bottom	8.8	0.2	56	26.9	27.0	7.8	7.8	29.8	29.8	56.7	57.0	3.8	3.9	14.2		6		90							<0.2	0.9		
						8.8	0.2	59	27.0	27.0	7.8	7.8	29.8	29.8	57.3	57.3	3.9		14.3		5		90							<0.2	0.9		
C2	Rainy	Moderate	17:28	11.4	Surface	1.0	0.6	13	27.5	27.5	8.0	8.0	22.7	22.7	71.1	71.1	5.0		3.9		4		86						<0.2	1.5			
						1.0	0.6	12	27.5	27.5	8.0	8.0	22.8	22.7	71.0	71.0	4.9	4.6	4.0		5		86						<0.2	1.4			
					Middle	5.7	0.4	14	26.5	26.5	8.1	8.1	26.8	26.9	61.7	61.8	4.3		10.7		9		87						<0.2	1.4			
						5.7	0.5	15	26.5	26.5	8.1	8.1	26.9	26.9	61.8	61.8	4.3		10.9		9		89						<0.2	1.5			
					Bottom	10.4	0.3	45	26.6	26.7	8.0	8.0	27.2	27.2	62.5	62.6	4.3	4.3	13.0		13		90							<0.2	1.5		
						10.4	0.3	50	26.7	26.7	8.0	8.0	27.2	27.2	62.7	62.7	4.3		13.0		13		90						<0.2	1.4			
C3	Cloudy	Moderate	19:40	12.7	Surface	1.0	0.1	200	26.1	26.1	8.1	8.1	27.1	27.2	66.4	66.4	4.6		8.1		5		87						<0.2	1.1			
						1.0	0.1	221	26.1	26.1	8.1	8.1	27.2	27.2	66.3	66.3	4.6	4.6	8.1		5		87						<0.2	1.1			
					Middle	6.4	0.5	250	25.9	25.9	8.1	8.1	27.6	27.7	65.5	65.5	4.6		7.8		6		89						<0.2	1.1			
						6.4	0.5	260	25.8	25.8	8.1	8.1	27.8	27.7	65.4	65.4	4.6		7.8		7		88						<0.2	1.2			
					Bottom	11.7	0.2	267	25.3	25.3	8.1	8.1	29.1	29.1	59.3	59.5	4.1	4.2	7.9		7		90							<0.2	1.2		
						11.7	0.2	279	25.3	25.3	8.1	8.1	29.0	29.0	59.6	59.6	4.2		7.6		8		90						<0.2	1.2			
IM1	Cloudy	Moderate	18:04	5.4	Surface	1.0	0.2	222	27.2	27.2	7.8	7.8	27.8	27.8	68.8	69.1	4.7		4.9		7		84						<0.2	0.9			
						1.0	0.2	242	27.2	27.2	7.8	7.8	27.8	27.8	69.3	69.3	4.7	4.7	5.1		7		85						<0.2	0.9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.4	0.2	161	26.7	26.8	7.8	7.8	29.2	29.2	55.7	55.8	3.8	3.8	18.8		7		89							<0.2	0.8		
						4.4	0.2	167	26.8	26.8	7.8	7.8	29.2	29.2	55.9	55.9	3.8		18.8		6		89						<0.2	0.9			
IM2	Cloudy	Moderate	17:58	7.8	Surface	1.0	0.4	45	27.4	27.4	7.9	7.9	27.0	27.0	74.7	74.7	5.1		3.2		7		85						<0.2	1.1			
						1.0	0.4	47	27.4	27.4	7.9	7.9	27.0	27.0	74.6	74.6	5.1	4.9	3.3		6		85						<0.2	1.1			
					Middle	3.9	0.3	38	27.3	27.3	7.8	7.8	27.8	27.8	66.2	68.5	4.5	4.1	4.1		8		88						<0.2	1.1			
						3.9	0.3	43	27.3	27.3	7.8	7.8	27.7	27.7	70.8	70.8	4.8		4.1		10		89						<0.2	1.0			
					Bottom	6.8	0.2	42	27.1	27.2	7.8	7.8	29.4	29.4	57.8	58.3	3.9	4.0	12.3		10		89							<0.2	1.0		
						6.8	0.2	45	27.2	27.2	7.8	7.8	29.3	29.3	58.7	58.7	4.0		12.5		9		90						<0.2	1.1			
IM3	Cloudy	Moderate	17:52	8.1	Surface	1.0	0.2	63	27.7	27.7	7.8	7.8	25.7	25.7	74.4	74.4	5.1		4.6		8		86						<0.2	1.1			
						1.0	0.3	63	27.7	27.7	7.8	7.8	25.7	25.7	74.4	74.4	5.1	4.6	4.9		8		86						<0.2	1.2			
					Middle	4.1	0.3	50	27.4	27.4	7.8	7.8	29.1	29.0	59.1	60.2	4.0		10.9		9		88					<0.2	1.2				
						4.1	0.3	56	27.4	27.4	7.8	7.8	29.0	29.0	61.3	61.3	4.1		10.9		9		89					<0.2	1.2				
					Bottom	7.1	0.3	48	26.6	26.6	7.8	7.8	29.7	29.7	54.3	54.3	3.7	3.7	11.2		6		89						<0.2	1.1			
						7.1	0.3	46	26.6	26.6	7.8	7.8	29.7	29.7	54.6	54.6	3.7	3.7	11.3		5		90					<0.2	1.2				
IM4	Cloudy	Moderate	17:44	8.6	Surface	1.0	0.4	78	27.0	27.0	7.8	7.8	28.1	28.1	69.3	69.3	4.8		5.9		4		85						<0.2	0.9			
						1.0	0.4	88	27.0	27.0	7.8	7.8	28.1	28.1	69.2	69.2	4.8	4.7	5.9		5		86						<0.2	0.8			
					Middle	4.3	0.3	73	27.0	27.0	7.8	7.8	28.8	28.8	66.1	66.2	4.5		6.1		7		88						<0.2	0.9			
						4.3	0.4	75	27.0	27.0	7.8	7.8	28.8	28.8	66.2	66.2	4.5		6.1		7		88						<0.2	0.9			
					Bottom	7.6	0.3	52	26.4	26.4	7.8	7.8	30.5	30.5	51.4	51.6	3.5	3.5	14.0		7		89						<0.2	0.9			
						7.6	0.3	56	26.4	26.4	7.8	7.8	30.5	30.5	51.7	51.7	3.5		14.1		6		90					<0.2	0.9				
IM5	Cloudy	Moderate	17:39	7.8	Surface	1.0	0.6	58	27.7	27.7	7.8	7.8	25.2	25.2	72.0	72.3	4.9		5.0		5		85						<0.2	0.8			
						1.0	0.7	59	27.7	27.7	7.8	7.8	25.2	25.2	72.5	72.5	5.0	4.7	5.1		6		85						<0.2	0.9			
					Middle	3.9	0.4	54	27.2	27.3	7.8	7.8	29.3	29.2	63.3	63.3	4.4		11.8		5		87						<0.2	0.9			
						3.9	0.4	59	27.3	27.3	7.8	7.8	29.1	29.2	63.2	63.3	4.4		11.7		4		87						<0.2	1.0			
					Bottom	6.8	0.5	45	26.4	26.4	7.8	7.8	30.3	30.2	54.3	54.7	3.7	3.7	15.5		4		89						<0.2	0.7			
						6.8	0.5	43	26.4	26.4	7.8	7.8	30.2	30.2	55.1	55.1	3.7		15.5		5		89					<0.2	0.8				
IM6	Cloudy	Moderate	17:34	7.7	Surface	1.0	0.3	49	27.7	27.7	7.8	7.8	25.1	25.1	67.5	67.6	4.6		4.1		5		85						<0.2	1.3			
						1.0	0.3	52	27.6	27.6	7.8	7.8	25.0	25.0	67.7	67.7	4.6	4.6	4.2		6		85					<0.2	1.3				
					Middle	3.9	0.4	46	27.6	27.7	7.8	7.8	26.8	26.7	66.9	67.3	4.5		4.4		6		89						<0.2	1.3			
						3.9	0.4	42	27.7	27.7	7.8	7.8	26.6	26.7	67.6	67.6	4.6	4.4	4.4		5		90					<0.2	1.2				
					Bottom	6.7	0.2	0	26.5	26.5	7.8	7.8	29.9	29.9	54.6	54.9	3.7	3.7	15.1		6												

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

Water Quality Monitoring Results on 29 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Rainy	Moderate	18:05	7.5	Surface	1.0	0.3	329	27.2	27.2	8.2	8.2	24.5	24.5	81.1	80.9	5.6	5.3	3.4	3.4	<2	85	85	88	88	88	822108	808833	<0.2	1.5	<0.2	1.5		
						1.0	0.3	344	27.1	27.1	8.2	8.2	24.6	24.6	80.6	80.6	5.6	5.6	5.1	5.1	3.6	3.6	3	3	86				86	<0.2	1.6	<0.2	1.6	
						3.8	0.4	304	26.7	26.7	8.1	8.1	25.9	25.9	66.6	66.6	4.6	4.6	6.0	6.0	7	7	87	87	<0.2				1.4	<0.2	1.4			
					3.8	0.4	323	26.7	26.7	8.1	8.1	25.9	25.9	66.6	66.6	4.6	4.6	6.0	6.0	7	7	87	87	<0.2	1.4				<0.2	1.4				
					6.5	0.3	352	26.7	26.7	8.1	8.1	26.0	26.0	66.7	66.7	4.6	4.6	6.2	6.2	8	8	90	90	<0.2	1.6				<0.2	1.6				
					6.5	0.3	354	26.7	26.7	8.1	8.1	26.0	26.0	66.9	66.9	4.6	4.6	6.2	6.2	8	8	90	90	<0.2	1.5				<0.2	1.5				
IM10	Rainy	Moderate	18:13	7.0	Surface	1.0	0.6	312	27.1	27.1	8.1	8.1	24.5	24.6	76.7	76.4	5.3	5.3	4.9	4.9	4	4	85	85	88	88	88	822376	809805	<0.2	1.5	<0.2	1.5	
						1.0	0.7	308	27.0	27.0	8.1	8.1	24.6	24.6	76.1	76.1	5.3	5.3	5.0	5.1	5	5	86	86	<0.2	1.4				<0.2	1.4			
						3.5	0.7	300	26.7	26.7	8.1	8.1	26.1	26.1	66.5	66.5	4.6	4.6	8.3	8.3	3	3	88	88	<0.2	1.5				<0.2	1.5			
					3.5	0.7	293	26.7	26.7	8.1	8.1	26.1	26.1	66.8	66.8	4.6	4.6	8.5	8.5	3	3	87	87	<0.2	1.6	<0.2				1.6				
					6.0	0.4	287	26.6	26.6	8.1	8.0	26.2	26.2	68.1	68.3	4.7	4.7	9.0	9.0	3	3	90	90	<0.2	1.6	<0.2				1.6				
					6.0	0.5	289	26.6	26.6	8.0	8.0	26.2	26.2	68.5	68.5	4.7	4.7	9.0	9.0	4	4	90	90	<0.2	1.6	<0.2				1.6				
IM11	Rainy	Moderate	18:23	7.7	Surface	1.0	0.7	288	26.9	26.9	8.2	8.2	24.9	25.0	75.0	74.5	5.2	5.2	7.7	7.7	4	4	86	86	88	88	88	822074	811475	<0.2	1.5	<0.2	1.5	
						1.0	0.7	292	26.9	26.9	8.2	8.2	25.0	25.0	74.0	74.0	5.1	5.1	7.9	7.9	2	2	87	87	<0.2	1.5				<0.2	1.5			
						3.9	0.7	273	26.8	26.8	8.2	8.2	25.3	25.3	69.5	69.4	4.8	4.8	9.0	9.0	7	7	88	88	<0.2	1.5				<0.2	1.5			
					3.9	0.7	278	26.8	26.8	8.2	8.2	25.3	25.3	69.3	69.3	4.8	4.8	9.0	9.0	7	7	87	87	<0.2	1.5	<0.2				1.5				
					6.7	0.5	264	26.7	26.7	8.1	8.1	25.8	25.8	68.5	68.5	4.8	4.8	13.1	13.1	22	22	90	90	<0.2	1.5	<0.2				1.5				
					6.7	0.5	280	26.7	26.7	8.1	8.1	25.8	25.8	68.6	68.6	4.8	4.8	13.3	13.3	19	19	90	90	<0.2	1.5	<0.2				1.5				
IM12	Rainy	Moderate	18:29	8.5	Surface	1.0	0.7	272	27.1	27.1	8.2	8.2	24.2	24.2	79.6	79.5	5.5	5.5	4.6	4.6	3	3	86	86	88	88	88	821462	812037	<0.2	1.4	<0.2	1.4	
						1.0	0.7	276	27.1	27.1	8.2	8.2	24.3	24.3	79.4	79.4	5.5	5.5	4.7	4.7	3	3	85	85	<0.2	1.4				<0.2	1.4			
						4.3	0.5	261	26.8	26.8	8.1	8.1	25.1	25.1	71.3	71.4	5.0	5.0	7.4	7.4	4	4	87	87	<0.2	1.4				<0.2	1.4			
					4.3	0.6	270	26.8	26.8	8.1	8.1	25.1	25.1	71.4	71.4	5.0	5.0	7.3	7.3	5	5	89	89	<0.2	1.5	<0.2				1.5				
					7.5	0.2	283	26.8	26.8	8.0	8.0	25.4	25.4	72.9	73.1	5.1	5.1	11.4	11.4	14	14	90	90	<0.2	1.6	<0.2				1.6				
					7.5	0.3	266	26.8	26.8	8.0	8.0	25.4	25.4	73.3	73.3	5.1	5.1	11.1	11.1	13	13	90	90	<0.2	1.5	<0.2				1.5				
SR1A	Cloudy	Moderate	19:00	5.7	Surface	1.0	-	-	27.2	27.2	8.1	8.1	24.5	24.5	76.8	76.9	5.3	5.3	3.9	3.9	3	3	-	-	-	-	88	819976	812653	-	-	-	-	
						1.0	-	-	27.2	27.2	8.1	8.1	24.5	24.5	76.9	76.9	5.3	5.3	3.9	3.9	3	3	-	-	-	-				-	-	-	-	
						2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					4.7	-	-	26.4	26.4	8.0	8.0	26.3	26.3	74.0	74.3	5.2	5.2	8.1	8.1	11	11	11	11	-	-	-				-	-	-	-	-
					4.7	-	-	26.4	26.4	8.0	8.0	26.3	26.3	74.5	74.5	5.2	5.2	8.8	8.8	10	10	-	-	-	-	-				-	-	-	-	-
SR2	Cloudy	Moderate	19:18	4.3	Surface	1.0	0.3	260	26.8	26.8	8.1	8.1	25.4	25.4	71.3	71.5	5.0	5.0	10.4	10.4	5	5	86	86	88	88	88	821455	814168	<0.2	1.3	<0.2	1.3	
						1.0	0.3	263	26.8	26.8	8.1	8.1	25.4	25.4	71.6	71.6	5.0	5.0	10.6	10.6	6	6	86	86	<0.2	1.3				<0.2	1.3			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					3.3	0.1	273	26.7	26.7	8.0	8.0	25.5	25.5	73.3	73.5	5.1	5.1	11.2	11.2	5	5	88	88	<0.2	1.3	<0.2				1.3				
					3.3	0.1	275	26.7	26.7	8.0	8.0	25.5	25.5	73.7	73.7	5.1	5.1	11.3	11.3	5	5	89	89	<0.2	1.4	<0.2				1.4				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
SR3	Rainy	Moderate	17:48	8.5	Surface	1.0	0.4	18	27.3	27.3	8.1	8.1	24.3	24.3	74.5	74.4	5.2	5.2	3.8	3.8	4	4	-	-	-	-	88	822159	807549	-	-	-	-	
						1.0	0.4	19	27.3	27.3	8.1	8.1	24.3	24.3	74.3	74.3	5.2	5.2	3.9	3.9	5	5	-	-	-	-								
						4.3	0.1	19	26.5	26.5	8.2	8.2	25.4	25.4	65.8	65.7	4.6	4.6	8.0	8.0	4	4	-	-	-	-								
					4.3	0.1	20	26.4	26.4	8.2	8.2	25.4	25.4	65.6	65.6	4.6	4.6	8.4	8.4	4	4	-	-	-	-									
					7.5	0.3	31	26.3	26.3	8.2	8.2	28.9	28.9	60.6	60.8	4.2	4.2	9.7	9.7	6	6	-	-	-	-									
					7.5	0.3	33	26.3	26.3	8.2	8.2	28.9	28.9	61.0	61.0	4.2	4.2	9.7	9.7	7	7	-	-	-	-									
SR4A	Cloudy	Calm	18:50	10.3	Surface	1.0	0.2	289	27.4	27.4	7.9	7.9	27.0	26.9	67.8	67.9	4.6	4.6	5.0	5.0	<2	<2	-	-	-	-	88	817169	807826	-	-	-	-	
						1.0	0.2	297	27.4	27.4	7.9	7.9	26.9	26.9	67.9	67.9	4.6	4.6	5.1	5.1	<2	<2	-	-	-	-								
						5.2	0.3	263	26.9	26.9	7.8	7.8	28.6	28.6	65.4	65.3	4.5	4.5	10.1	10.1	2	2	-	-	-	-								
					5.2	0.3	267	26.9	26.9	7.8	7.8	28.6	28.6	65.2	65.2	4.5	4.5	10.0	10.0	2	2	-	-	-	-									
					9.3	0.2	271	26.9	26.9	7.8	7.8	28.7	28.7	59.4	59.8	4.0	4.1	14.8	14.8	3	3	-	-	-	-									
					9.3	0.2	273	26.9	26.9	7.8	7.8	28.7	28.7	60.1	60.1	4.0	4.1	14.8	14.8	3	3	-	-	-	-									
SR5A	Cloudy	Calm	19:07	5.7	Surface	1.0	0.2	226	28.4	28.4	7.8	7.8	22.9	22.9	72.6	72.7	5.0	5.0	6.2	6.2	5	5	-	-	-	-	88	816578	810678	-	-	-	-	
						1.0	0.2	230	28.4	28.4	7.8	7.8	22.9	22.9	72.7	72.7	5.0	5.0	6.1	6.1	4	4	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
					4.7	0.1	262	27.7	27.7																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	13:25	8.2	Surface	1.0	0.3	217	27.9	27.9	7.9	7.9	23.9	23.9	74.5	74.5	5.1	4.9	3.5	13.1	4	8	87	89	815608	804248	<0.2	<0.2	1.2	1.2				
						1.0	0.3	231	27.9	7.9	7.9	23.9	23.9	74.5	74.5	5.1	4.9	3.5	13.1	5	8	88	89	87	89	815608	804248	<0.2	<0.2	1.1	1.1			
					Middle	4.1	0.2	205	27.4	27.4	7.9	7.9	26.6	26.6	68.1	68.2	4.6	4.7	15.6	13.1	6	8	89	90	815608	804248	<0.2	<0.2	1.1	1.1				
						4.1	0.2	218	27.4	27.4	7.9	7.9	26.6	26.6	68.2	68.2	4.7	4.7	15.5	13.1	8	8	87	89	815608	804248	<0.2	<0.2	1.2	1.2				
					Bottom	7.2	0.1	206	27.5	27.5	7.9	7.9	26.2	26.2	71.1	71.3	4.9	4.9	20.2	13.1	13	8	91	91	815608	804248	<0.2	<0.2	1.1	1.1				
						7.2	0.1	210	27.5	27.5	7.9	7.9	26.2	26.2	71.5	71.3	4.9	4.9	20.0	13.1	12	8	91	91	815608	804248	<0.2	<0.2	1.2	1.2				
C2	Cloudy	Moderate	15:04	10.9	Surface	1.0	0.4	161	27.3	27.3	8.0	8.0	22.9	22.9	68.6	68.6	4.8	4.7	7.1	10.5	9	9	82	87	825673	806943	<0.2	<0.2	1.7	1.3				
						1.0	0.4	174	27.3	27.3	8.0	8.0	22.9	22.9	68.5	68.5	4.8	4.7	7.2	10.5	8	9	82	87	825673	806943	<0.2	<0.2	1.5	0.8				
					Middle	5.5	0.4	174	26.9	26.9	8.0	8.0	23.8	23.8	65.1	65.1	4.6	4.6	9.6	10.5	9	9	87	87	825673	806943	<0.2	<0.2	0.9	0.9				
						5.5	0.5	186	26.9	26.9	8.1	8.1	23.8	23.8	65.1	65.1	4.6	4.6	9.3	10.5	9	9	87	87	825673	806943	<0.2	<0.2	1.3	1.3				
					Bottom	9.9	0.4	125	26.4	26.4	8.1	8.1	25.9	25.9	62.9	63.0	4.4	4.4	14.8	10.5	9	8	91	91	825673	806943	<0.2	<0.2	1.3	1.3				
						9.9	0.4	135	26.4	26.4	8.1	8.1	25.8	25.8	63.0	63.0	4.4	4.4	14.9	10.5	8	8	91	91	825673	806943	<0.2	<0.2	1.4	1.4				
C3	Cloudy	Moderate	12:35	12.2	Surface	1.0	0.7	62	26.8	26.8	8.2	8.2	25.1	25.1	70.4	70.4	4.9	4.8	6.3	8.6	8	8	83	87	822124	817784	<0.2	<0.2	1.5	1.5				
						1.0	0.8	63	26.8	26.8	8.2	8.2	25.1	25.1	70.4	70.4	4.9	4.8	6.3	8.6	7	8	83	87	822124	817784	<0.2	<0.2	1.4	1.4				
					Middle	6.1	0.5	56	26.5	26.5	8.3	8.3	25.7	25.7	68.1	68.1	4.7	4.7	7.7	8.6	6	8	87	87	822124	817784	<0.2	<0.2	1.5	1.5				
						6.1	0.6	58	26.5	26.5	8.3	8.3	25.7	25.7	68.1	68.1	4.7	4.7	8.0	8.6	8	8	87	87	822124	817784	<0.2	<0.2	1.3	1.3				
					Bottom	11.2	0.6	23	26.2	26.2	8.3	8.3	26.6	26.6	67.4	67.6	4.7	4.7	11.3	8.6	9	8	92	92	822124	817784	<0.2	<0.2	1.5	1.5				
						11.2	0.6	23	26.2	26.2	8.3	8.3	26.6	26.6	67.7	67.6	4.7	4.7	11.7	8.6	10	8	91	91	822124	817784	<0.2	<0.2	1.5	1.5				
IM1	Cloudy	Moderate	13:47	5.8	Surface	1.0	0.4	165	27.8	27.8	7.9	7.9	24.3	24.3	74.3	74.4	5.1	5.1	8.1	10.7	4	12	86	87	817945	807139	<0.2	<0.2	1.2	1.3				
						1.0	0.4	181	27.7	27.7	7.9	7.9	24.4	24.4	74.4	74.4	5.1	5.1	8.5	10.7	5	12	86	87	817945	807139	<0.2	<0.2	1.3	1.3				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.8	0.2	155	27.5	27.6	7.9	7.9	25.2	25.2	69.4	69.5	4.8	4.8	13.2	10.7	19	8	88	88	817945	807139	<0.2	<0.2	1.2	1.2				
						4.8	0.2	156	27.6	27.6	7.9	7.9	25.1	25.1	69.6	69.5	4.8	4.8	12.9	10.7	21	8	88	88	817945	807139	<0.2	<0.2	1.4	1.4				
IM2	Cloudy	Moderate	13:54	7.6	Surface	1.0	0.3	182	27.6	27.6	7.9	7.9	24.7	24.7	70.9	70.9	4.9	4.9	6.9	8.8	8	13	85	88	818155	806184	<0.2	<0.2	1.1	1.1				
						1.0	0.3	187	27.6	27.6	7.9	7.9	24.9	24.9	70.9	70.9	4.9	4.9	6.8	8.8	9	13	86	88	818155	806184	<0.2	<0.2	1.0	1.0				
					Middle	3.8	0.3	156	27.4	27.4	7.9	7.9	25.9	25.9	70.8	70.8	4.8	4.8	5.1	8.8	10	13	89	88	818155	806184	<0.2	<0.2	1.2	1.2				
						3.8	0.3	156	27.4	27.4	7.9	7.9	26.0	26.0	70.7	70.8	4.8	4.8	5.2	8.8	10	13	88	88	818155	806184	<0.2	<0.2	1.2	1.2				
					Bottom	6.6	0.2	137	27.5	27.6	7.9	7.9	26.0	26.0	71.5	71.8	4.9	4.9	14.3	8.8	21	8	90	90	818155	806184	<0.2	<0.2	1.2	1.2				
						6.6	0.2	150	27.6	27.6	7.9	7.9	26.0	26.0	72.1	71.8	4.9	4.9	14.4	8.8	19	8	90	90	818155	806184	<0.2	<0.2	1.0	1.0				
IM3	Cloudy	Moderate	14:01	7.8	Surface	1.0	0.2	194	27.9	27.9	7.9	7.9	23.7	23.7	76.2	76.2	5.3	5.0	3.6	8.4	7	25	84	88	818774	805592	<0.2	<0.2	1.2	1.2				
						1.0	0.2	201	27.8	27.8	7.9	7.9	23.7	23.7	76.2	76.2	5.3	5.0	3.9	8.4	6	25	84	88	818774	805592	<0.2	<0.2	1.1	1.1				
					Middle	3.9	0.3	169	27.5	27.5	7.9	7.9	25.9	25.9	69.4	69.4	4.8	4.8	7.6	8.4	20	25	88	88	818774	805592	<0.2	<0.2	1.1	1.1				
						3.9	0.3	175	27.5	27.5	7.9	7.9	25.9	25.9	69.3	69.4	4.7	4.7	7.8	8.4	23	25	89	89	818774	805592	<0.2	<0.2	1.2	1.2				
					Bottom	6.8	0.2	141	27.4	27.5	7.9	7.9	26.3	26.3	69.6	69.7	4.8	4.8	13.8	8.4	46	8	90	90	818774	805592	<0.2	<0.2	1.2	1.2				
						6.8	0.2	142	27.5	27.5	7.9	7.9	26.2	26.2	69.8	69.7	4.8	4.8	13.6	8.4	45	8	90	90	818774	805592	<0.2	<0.2	1.2	1.2				
IM4	Cloudy	Moderate	14:10	8.3	Surface	1.0	0.5	201	27.8	27.8	7.9	7.9	24.1	24.1	70.8	70.8	4.9	4.9	5.6	8.0	7	8	85	88	819729	804598	<0.2	<0.2	1.3	1.3				
						1.0	0.5	216	27.8	27.8	7.9	7.9	24.1	24.1	70.8	70.8	4.9	4.9	5.7	8.0	6	8	85	88	819729	804598	<0.2	<0.2	1.2	1.2				
					Middle	4.2	0.5	177	27.5	27.5	7.9	7.9	25.4	25.4	71.2	71.2	4.9	4.9	5.7	8.0	7	8	88	89	819729	804598	<0.2	<0.2	1.3	1.3				
						4.2	0.5	182	27.5	27.5	7.9	7.9	25.5	25.4	71.1	71.2	4.9	4.9	5.7	8.0	7	8	89	89	819729	804598	<0.2	<0.2	1.2	1.2				
					Bottom	7.3	0.4	159	27.5	27.5	7.9	7.9	26.7	26.7	70.6	70.8	4.8	4.8	12.6	8.0	9	8	89	89	819729	804598	<0.2	<0.2	1.3	1.3				
						7.3	0.4	173	27.5	27.5	7.9	7.9	26.7	26.7	70.9	70.8	4.8	4.8	12.8	8.0	9	8	90	90	819729	804598	<0.2	<0.2	1.1	1.1				
IM5	Cloudy	Moderate	14:20	8.0	Surface	1.0	0.5	222	28.3	28.3	7.9	7.9	23.0	23.0	74.5	74.5	5.1	5.0	4.2	8.5	4	8	86	88	820751	804889	<0.2	<0.2	0.9	0.9				
						1.0	0.5	241	28.3	28.3	7.9	7.9	23.0	23.0	74.4	74.5	5.1	5.0	4.3	8.5	4	8	86	88	820751	804889	<0.2	<0.2	1.0	1.0				
					Middle	4.0	0.4	192	27.5	27.5	7.9	7.9	25.7	25.7	71.1	71.1	4.9	4.9	5.5	8.5	8	8	88	88	820751	804889	<0.2	<0.2	1.2	1.2				
						4.0	0.4	196	27.5	27.5	7.																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 August 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	14:32	7.1	Surface	1.0	0.8	124	27.4	27.4	8.1	8.1	22.7	22.7	72.3	72.3	5.0	5.1	4.9	5.1	9.8	11	9	83	87	822089	808792	<0.2	<0.2	1.3	1.4			
						1.0	0.9	136	27.4	8.1	8.1	22.7	22.7	72.2	72.2	5.0	5.1	4.9	5.1	9	11	8	83	87	88	822089	808792	<0.2	<0.2	1.2	1.4			
						3.6	0.6	116	26.8	8.2	8.2	24.5	24.5	68.2	68.2	4.8	4.8	4.9	4.8	9	11	8	83	87	88	822089	808792	<0.2	<0.2	1.5	1.4			
					Middle	3.6	0.6	125	26.8	8.2	8.2	24.5	24.5	68.2	68.2	4.8	4.8	4.9	4.8	7	9	8	83	87	88	822089	808792	<0.2	<0.2	1.5	1.4			
						6.1	0.4	107	26.7	8.2	8.2	24.9	24.9	68.3	68.5	4.8	4.8	4.8	4.8	7	9	8	83	87	88	822089	808792	<0.2	<0.2	1.4	1.4			
						6.1	0.4	109	26.7	8.2	8.2	24.9	24.9	68.6	68.5	4.8	4.8	4.8	4.8	7	9	8	83	87	88	822089	808792	<0.2	<0.2	1.2	1.4			
IM10	Cloudy	Moderate	14:24	8.3	Surface	1.0	0.9	121	27.4	27.4	8.1	8.1	22.8	22.8	71.4	71.4	5.0	4.6	4.9	4.6	7.4	3	6	83	87	822375	809812	<0.2	<0.2	1.1	1.2			
						1.0	1.0	121	27.4	8.1	8.1	22.8	22.8	71.4	71.4	5.0	4.6	4.9	4.6	4	6	8	83	87	88	822375	809812	<0.2	<0.2	1.1	1.4			
						4.2	0.8	117	27.1	8.1	8.1	23.6	23.6	69.2	69.2	4.8	4.8	4.9	4.8	5	5	5	87	87	87	822375	809812	<0.2	<0.2	1.4	1.3			
					Middle	4.2	0.8	128	27.1	8.1	8.1	23.6	23.6	69.2	69.2	4.8	4.8	4.9	4.8	5	5	5	87	87	87	822375	809812	<0.2	<0.2	1.3	1.3			
						7.3	0.4	114	26.6	8.2	8.2	25.4	25.4	66.6	66.6	4.6	4.6	4.6	4.6	8	8	9	87	87	87	822375	809812	<0.2	<0.2	1.1	1.3			
						7.3	0.4	116	26.6	8.2	8.2	25.4	25.4	66.6	66.6	4.6	4.6	4.6	4.6	8	8	9	87	87	87	822375	809812	<0.2	<0.2	1.3	1.3			
IM11	Cloudy	Moderate	14:11	7.7	Surface	1.0	0.7	116	27.0	27.0	8.1	8.1	23.8	23.8	70.1	70.1	4.9	11.5	4.9	11.5	13.7	10	12	83	87	822065	811466	<0.2	<0.2	1.2	1.3			
						1.0	0.7	119	27.0	8.1	8.1	23.8	23.8	70.1	70.1	4.9	11.5	4.9	11.5	13	13	13	87	87	88	822065	811466	<0.2	<0.2	1.2	1.2			
						3.9	0.6	113	26.9	8.1	8.1	24.1	24.1	69.4	69.4	4.8	4.8	4.9	4.8	13	12	12	88	88	88	822065	811466	<0.2	<0.2	1.2	1.2			
					Middle	3.9	0.6	119	26.9	8.1	8.1	24.1	24.1	69.4	69.4	4.8	4.8	4.9	4.8	13	12	12	88	88	88	822065	811466	<0.2	<0.2	1.2	1.2			
						6.7	0.4	97	26.8	8.2	8.2	24.3	24.3	70.7	70.8	4.9	4.9	4.9	4.9	12	12	12	91	91	91	822065	811466	<0.2	<0.2	1.4	1.3			
						6.7	0.4	102	26.8	8.2	8.2	24.3	24.3	70.9	70.8	4.9	4.9	4.9	4.9	14	14	14	92	92	92	822065	811466	<0.2	<0.2	1.3	1.3			
IM12	Cloudy	Moderate	14:02	9.9	Surface	1.0	0.4	64	27.3	27.3	8.1	8.1	23.3	23.3	72.7	72.7	5.1	4.2	5.1	4.2	7.0	7	8	83	87	821445	812031	<0.2	<0.2	1.2	1.3			
						1.0	0.5	67	27.3	8.1	8.1	23.3	23.3	72.6	72.7	5.1	4.1	5.1	4.1	6	6	6	87	87	87	821445	812031	<0.2	<0.2	1.3	1.3			
						5.0	0.4	59	27.2	8.1	8.1	23.4	23.4	71.7	71.7	5.0	4.5	5.1	4.5	9	8	8	87	87	87	821445	812031	<0.2	<0.2	1.1	1.1			
					Middle	5.0	0.4	64	27.2	8.1	8.1	23.4	23.4	71.6	71.7	5.0	4.5	5.0	4.5	8	8	8	87	87	87	821445	812031	<0.2	<0.2	1.2	1.2			
						8.9	0.3	58	26.7	8.2	8.2	24.9	24.9	67.2	67.3	4.7	4.7	4.7	4.7	9	9	9	92	92	92	821445	812031	<0.2	<0.2	1.4	1.4			
						8.9	0.3	58	26.7	8.2	8.2	24.8	24.8	67.3	67.3	4.7	4.7	4.7	4.7	10	10	10	91	91	91	821445	812031	<0.2	<0.2	1.5	1.5			
SR1A	Cloudy	Moderate	13:43	5.4	Surface	1.0	-	-	27.0	27.0	8.1	8.1	23.8	23.7	69.1	69.1	4.8	6.8	4.8	6.8	7.1	10	11	-	-	819978	812662	-	-	-	-			
						1.0	-	-	27.0	8.1	8.1	23.7	23.7	69.0	69.0	4.8	4.8	4.8	6.9	9	9	-	-	-	-	819978	812662	-	-	-	-			
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.4	-	-	26.6	8.1	8.1	24.9	25.0	65.9	65.9	4.6	4.6	4.6	7.3	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.4	-	-	26.6	8.1	8.1	25.0	25.0	65.8	65.9	4.6	4.6	4.6	7.5	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Moderate	12:59	4.8	Surface	1.0	0.5	103	26.9	26.9	8.2	8.2	24.4	24.4	68.5	68.4	4.8	10.4	4.8	10.4	12.2	10	12	83	83	821444	814182	<0.2	<0.2	1.4	1.3			
						1.0	0.6	109	26.9	8.2	8.2	24.4	24.4	68.3	68.4	4.8	4.8	4.8	10.4	11	11	83	83	83	821444	814182	<0.2	<0.2	1.3	1.3				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.3	99	26.8	26.8	8.3	8.3	24.6	24.6	68.1	68.2	4.8	4.8	4.8	13.9	14	14	88	88	88	821444	814182	<0.2	<0.2	1.2	1.3			
						3.8	0.3	104	26.8	26.8	8.3	8.3	24.6	24.6	68.2	68.2	4.8	4.8	4.8	14.1	12	12	87	87	87	821444	814182	<0.2	<0.2	1.2	1.3			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR3	Cloudy	Moderate	14:45	8.4	Surface	1.0	0.0	278	27.2	27.2	8.1	8.1	23.1	23.1	67.3	67.3	4.7	6.9	4.7	6.9	10.2	6	4	-	-	822143	807568	-	-	-	-			
						1.0	0.0	290	27.2	8.1	8.1	23.1	23.1	67.3	67.3	4.7	6.9	4.7	6.9	5	5	5	-	-	-	-	822143	807568	-	-	-	-		
						4.2	0.0	137	26.7	8.1	8.1	24.6	24.6	65.9	65.9	4.6	4.6	4.7	10.2	3	3	3	-	-	-	-	822143	807568	-	-	-	-		
					Middle	4.2	0.0	147	26.7	26.7	8.1	8.1	24.6	24.6	65.9	65.9	4.6	4.6	4.6	10.2	4	4	4	-	-	-	-	822143	807568	-	-	-	-	
						7.4	0.2	85	26.6	26.6	8.2	8.2	25.1	25.1	64.9	65.0	4.5	4.5	4.5	13.6	3	3	3	-	-	-	-	822143	807568	-	-	-	-	
						7.4	0.2	87	26.6	26.6	8.2	8.2	25.1	25.1	65.0	65.0	4.5	4.5	4.5	13.6	3	3	3	-	-	-	-	822143	807568	-	-	-	-	
SR4A	Cloudy	Calm	13:11	8.4	Surface	1.0	0.1	108	28.1	28.1	7.9	7.9	23.6	23.6	74.6	74.8	5.1	4.0	4.9	4.0	11.9	5	16	-	-	817208	807821	-	-	-	-			
						1.0	0.1	115	28.1	28.1	7.9	7.9	23.6	23.6	74.9	74.8	5.1	4.1	4.9	4.1	6	6	6	-	-	-	-	817208	807821	-	-	-	-	
						4.2	0.1	61	27.6	27.6	7.9	7.9	25.0	25.0	67.8	67.8	4.7	4.7	4.7	14.7	21	21	21	-	-	-	-	817208	807821	-	-	-	-	
					Middle	4.2	0.1	62	27.6	27.6	7.9	7.9	25.0	25.0	67.8	67.8	4.7	4.7	4.7	14.9	21	21	21	-	-	-	-	817208	807821					

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 August 19 during Mid-Flood Tide

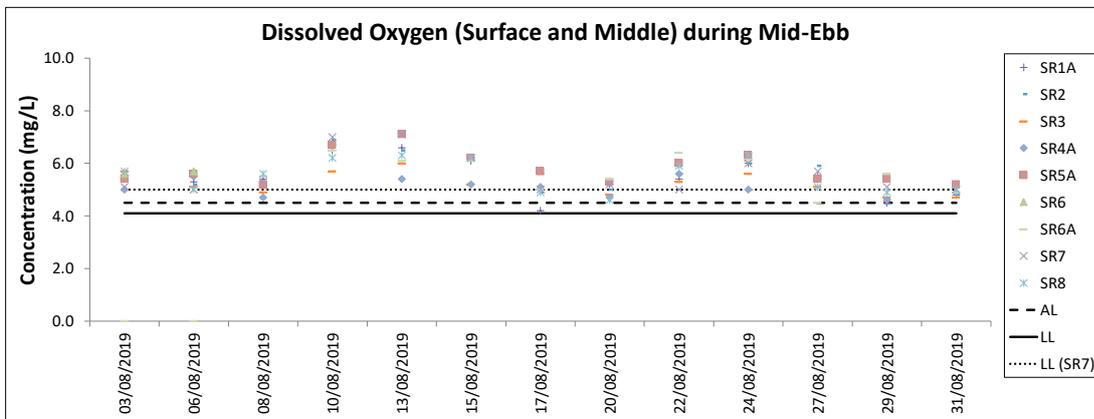
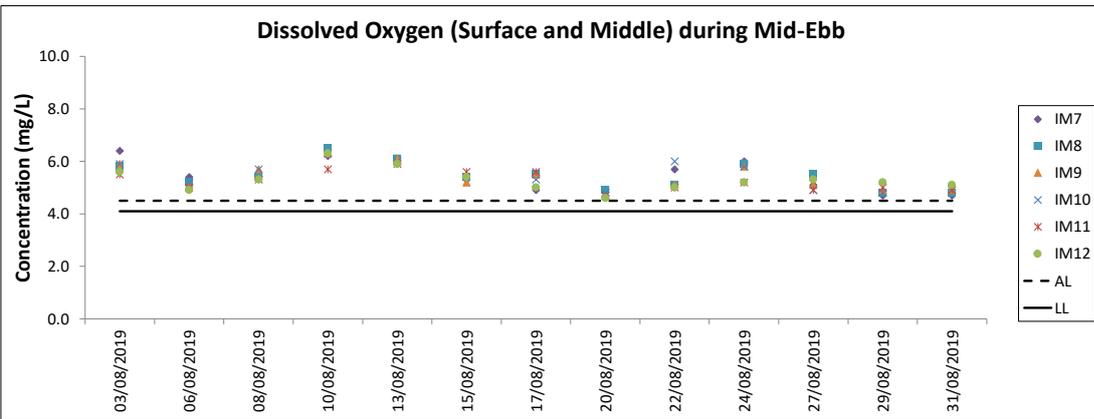
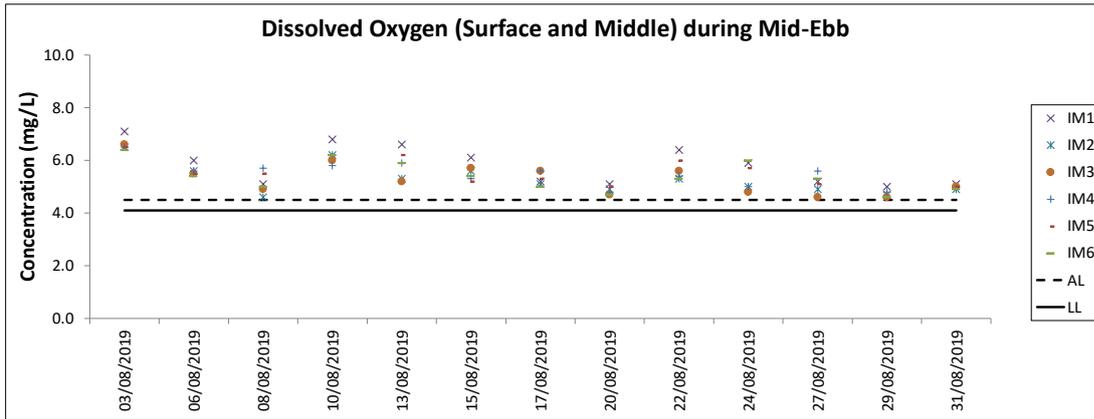
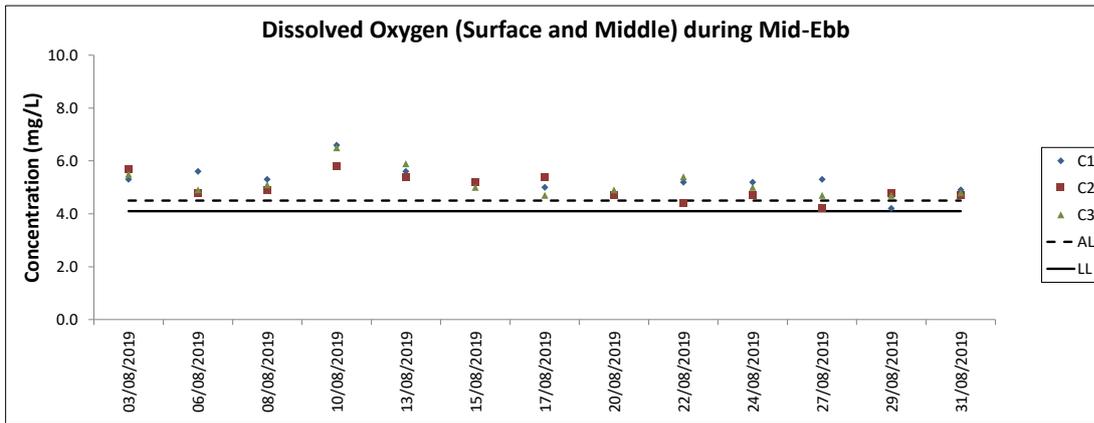
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	19:49	8.1	Surface	1.0	0.3	48	27.9	27.9	7.9	7.9	22.6	22.6	75.4	75.4	5.2	5.2	5.6	5.6	6	6	88	88	815615	804248	<0.2	<0.2	1.1	1.1						
						1.0	0.3	51	27.8	27.9	7.9	7.9	22.6	22.6	75.3	75.3	5.2	5.2	5.5	5.5	6	6	88	88	<0.2	<0.2	1.3	1.3								
						4.1	0.1	70	27.3	27.3	7.9	7.9	26.6	26.6	68.3	68.4	4.7	4.7	13.3	13.3	10	10	90	90	<0.2	<0.2	1.0	1.0								
					4.1	0.1	66	27.3	27.3	7.9	7.9	26.6	26.6	68.5	68.4	4.7	4.7	13.2	13.2	10	10	90	90	<0.2	<0.2	0.8	0.8									
					7.1	0.2	46	27.3	27.3	7.9	7.9	27.0	27.0	69.7	69.8	4.8	4.8	14	14	90	90	<0.2	<0.2	1.0	1.0											
					7.1	0.2	50	27.3	27.3	7.9	7.9	27.0	27.0	69.9	69.8	4.8	4.8	17.5	17.5	15	15	90	90	<0.2	<0.2	1.0	1.0									
C2	Cloudy	Moderate	18:46	8.5	Surface	1.0	0.4	65	27.0	27.0	8.0	8.0	23.5	23.5	66.8	66.9	4.7	4.7	8.9	8.9	6	6	84	84	825678	806923	<0.2	<0.2	1.9	1.9						
						1.0	0.4	78	27.0	27.0	8.0	8.0	23.5	23.5	67.0	67.0	4.7	4.6	8.7	8.7	7	7	85	85	<0.2	<0.2	1.8	1.8								
						4.3	0.4	72	26.7	26.7	8.0	8.0	24.4	24.4	64.2	64.2	4.5	4.5	10.6	10.6	7	7	88	88	<0.2	<0.2	1.8	1.8								
					4.3	0.4	73	26.7	26.7	8.0	8.0	24.4	24.4	64.2	64.2	4.5	4.5	10.5	10.5	6	6	89	89	<0.2	<0.2	2.0	2.0									
					7.5	0.3	32	26.1	26.1	8.1	8.1	26.9	26.9	62.6	62.6	4.4	4.4	14.1	14.1	8	8	92	92	<0.2	<0.2	1.9	1.9									
					7.5	0.3	35	26.1	26.1	8.1	8.1	26.9	26.9	62.6	62.6	4.4	4.4	14.0	14.0	7	7	93	93	<0.2	<0.2	1.8	1.8									
C3	Cloudy	Moderate	20:58	10.8	Surface	1.0	0.2	203	26.4	26.4	8.0	8.0	25.3	25.3	69.4	69.4	4.9	4.9	3.0	3.0	5	5	84	84	822091	817781	<0.2	<0.2	1.1	1.1						
						1.0	0.2	225	26.4	26.4	8.0	8.0	25.4	25.4	69.3	69.3	4.8	4.6	3.0	3.0	6	6	85	85	<0.2	<0.2	1.1	1.1								
						5.4	0.3	270	25.4	25.4	8.0	8.0	28.9	28.9	61.7	61.7	4.3	4.3	6.3	6.3	4	4	88	88	<0.2	<0.2	1.0	1.0								
					5.4	0.3	285	25.3	25.3	8.0	8.0	28.9	28.9	61.7	61.7	4.3	4.3	6.4	6.4	5	5	88	88	<0.2	<0.2	1.1	1.1									
					9.8	0.2	303	25.1	25.1	8.0	8.0	29.7	29.7	60.9	61.0	4.2	4.3	7.5	7.5	5	5	93	93	<0.2	<0.2	1.1	1.1									
					9.8	0.2	315	25.1	25.1	8.0	8.0	29.7	29.7	61.0	61.0	4.2	4.3	7.4	7.4	5	5	92	92	<0.2	<0.2	1.1	1.1									
IM1	Cloudy	Moderate	19:30	5.6	Surface	1.0	0.1	50	28.1	28.1	7.9	7.9	23.5	23.5	77.2	77.3	5.3	5.3	4.4	4.4	2	2	84	84	817933	807153	<0.2	<0.2	1.3	1.3						
						1.0	0.1	53	28.1	28.1	7.9	7.9	23.5	23.5	77.3	77.3	5.3	5.3	4.3	4.3	3	3	84	84	<0.2	<0.2	1.4	1.4								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					4.6	0.2	90	27.7	27.7	7.9	7.9	23.9	23.9	82.3	82.7	5.7	5.7	4.2	4.2	4	4	88	88	<0.2	<0.2	1.3	1.3									
					4.6	0.2	83	27.6	27.6	7.9	7.9	23.9	23.9	83.0	82.7	5.7	5.7	4.2	4.2	4	4	89	89	<0.2	<0.2	1.2	1.2									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
IM2	Cloudy	Moderate	19:23	6.4	Surface	1.0	0.3	65	27.9	27.9	7.9	7.9	23.3	23.4	76.7	76.7	5.3	5.3	4.0	4.0	4	4	85	85	818170	806174	<0.2	<0.2	1.4	1.4						
						1.0	0.3	72	27.9	27.9	7.9	7.9	23.4	23.4	76.6	76.6	5.3	5.1	4.0	4.0	4	4	85	85	<0.2	<0.2	1.2	1.2								
						3.2	0.2	81	27.6	27.6	7.9	7.9	24.7	24.7	69.5	69.5	4.8	4.8	8.3	8.3	8	8	88	88	<0.2	<0.2	1.3	1.3								
					3.2	0.2	84	27.6	27.6	7.9	7.9	24.8	24.8	69.4	69.4	4.8	4.8	8.7	8.7	8	8	89	89	<0.2	<0.2	1.3	1.3									
					5.4	0.1	63	27.5	27.5	7.9	7.9	25.6	25.6	69.6	69.7	4.8	4.8	11.5	11.5	10	10	90	90	<0.2	<0.2	1.3	1.3									
					5.4	0.1	62	27.5	27.5	7.9	7.9	25.6	25.6	69.8	69.7	4.8	4.8	11.4	11.4	10	10	90	90	<0.2	<0.2	1.3	1.3									
IM3	Cloudy	Moderate	19:17	8.2	Surface	1.0	0.2	63	27.8	27.8	7.9	7.9	23.2	23.2	75.8	75.8	5.2	5.2	3.7	3.7	3	3	85	85	818768	805609	<0.2	<0.2	1.4	1.4						
						1.0	0.2	53	27.8	27.8	7.9	7.9	23.2	23.2	75.7	75.7	5.2	5.0	3.9	3.9	4	4	85	85	<0.2	<0.2	1.3	1.3								
						4.1	0.2	73	27.4	27.4	7.9	7.9	26.0	26.0	69.4	69.5	4.7	4.7	12.6	12.6	7	7	88	88	<0.2	<0.2	1.4	1.4								
					4.1	0.2	75	27.4	27.4	7.9	7.9	26.0	26.0	69.5	69.5	4.8	4.8	13.3	13.3	7	7	88	88	<0.2	<0.2	1.4	1.4									
					7.2	0.2	64	27.4	27.4	7.9	7.9	26.1	26.1	70.7	70.7	4.8	4.8	14.2	14.2	10	10	89	89	<0.2	<0.2	1.4	1.4									
					7.2	0.3	65	27.4	27.4	7.9	7.9	26.1	26.1	70.8	70.8	4.8	4.8	14.0	14.0	10	10	90	90	<0.2	<0.2	1.5	1.5									
IM4	Cloudy	Moderate	19:07	8.7	Surface	1.0	0.4	52	27.8	27.8	7.9	7.9	23.7	23.7	73.7	73.7	5.1	5.1	5.4	5.4	3	3	85	85	819733	804604	<0.2	<0.2	1.2	1.2						
						1.0	0.4	55	27.8	27.8	7.9	7.9	23.7	23.7	73.7	73.7	5.1	4.9	5.7	5.7	3	3	86	86	<0.2	<0.2	1.2	1.2								
						4.4	0.2	71	27.4	27.4	7.9	7.9	26.2	26.2	69.1	69.2	4.7	4.7	9.6	9.6	7	7	88	88	<0.2	<0.2	1.3	1.3								
					4.4	0.3	73	27.4	27.4	7.9	7.9	26.3	26.3	69.3	69.2	4.7	4.7	9.5	9.5	6	6	89	89	<0.2	<0.2	1.4	1.4									
					7.7	0.3	42	27.4	27.4	7.9	7.9	26.6	26.6	70.5	70.5	4.8	4.8	15.9	15.9	15	15	90	90	<0.2	<0.2	1.2	1.2									
					7.7	0.3	45	27.4	27.4	7.9	7.9	26.6	26.6	70.8	70.7	4.8	4.8	16.2	16.2	15	15	90	90	<0.2	<0.2	1.4	1.4									
IM5	Cloudy	Moderate	19:00	8.1	Surface	1.0	0.4	49	27.7	27.7	7.9	7.9	24.4	24.4	70.5	70.5	4.8	4.8	7.1	7.1	8	8	84	84	820741	804875	<0.2	<0.2	1.4	1.4						
						1.0	0.4	48	27.7	27.7	7.9	7.9	24.4	24.4	70.4	70.4	4.8	4.8	7.0	7.0	9	9	84	84	<0.2	<0.2	1.4	1.4								
						4.1	0.1	58	27.5	27.5	7.9	7.9	25.5	25.5	69.7	69.7	4.8	4.8	7.1	7.1	12	12	88	88	<0.2	<0.2	1.4	1.4								
					4.1	0.1	59	27.5	27.5	7.9	7.9	25.6	25.6	69.7	69.7	4.8	4.8	7.1	7.1	12	12	88	88	<0.2	<0.2	1.4	1.4									
					7.1	0.2	47	27.4	27.4	7.9	7.9	26.6	26.6	69.5	69.6	4.7	4.8	15.3	15.3	19	19	89	89	<0.2	<0.2	1.4	1.4									
					7.1	0.2	45	27.4	27.4	7.9	7.9	26.6	26.6	69.7	69.6	4.7	4.8	15.0	15.0	17	17	90	90	<0.2	<0.2	1.4	1.4									
IM6	Cloudy	Moderate	18:54	7.6	Surface	1.0	0.3	37	28.0	28.0	7.8	7.8	23.4	23.3	72.6	72.8	5.0	5.0	5.6	5.6	9	9	84	84	821069	805849	<0.2	<0.2	1.4	1.4						
						1.0	0.4	35	28.0	28.0	7.8	7.8	23.3	23.3	72.9	7																				

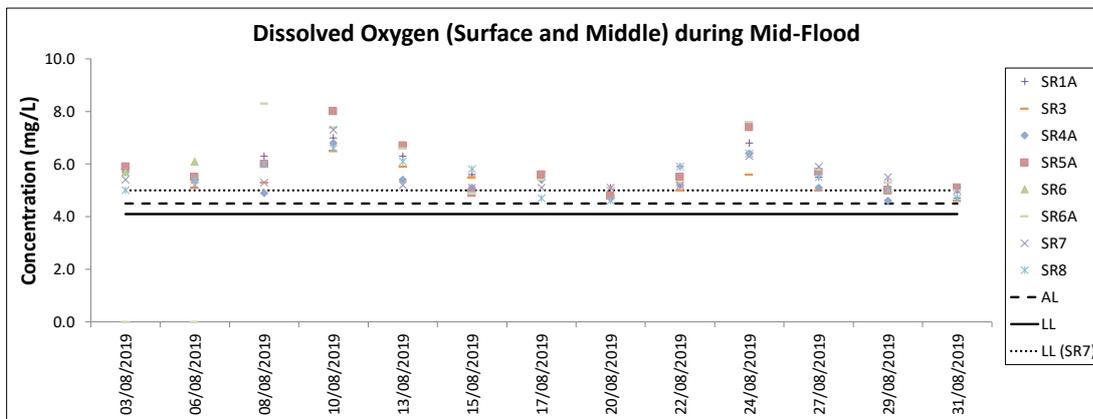
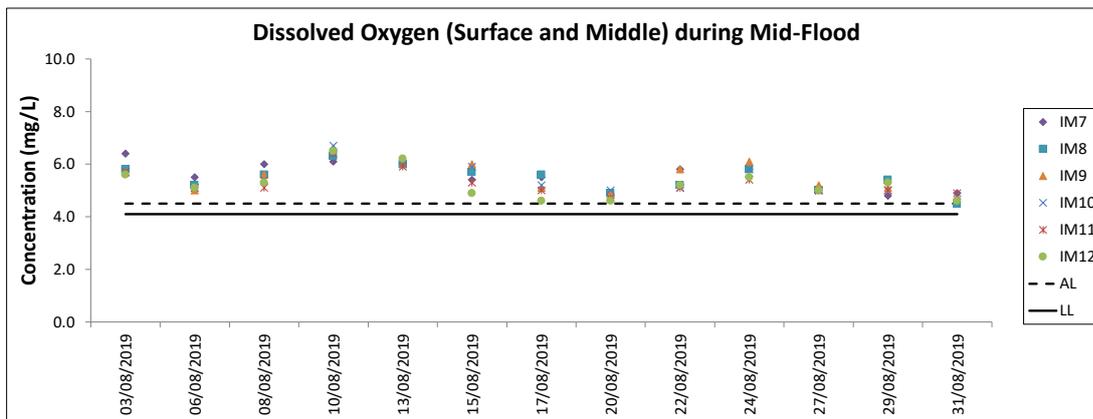
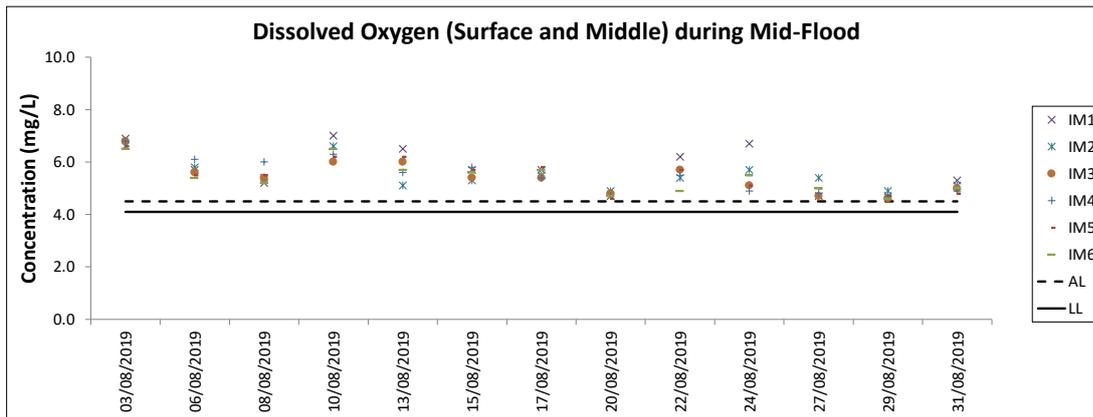
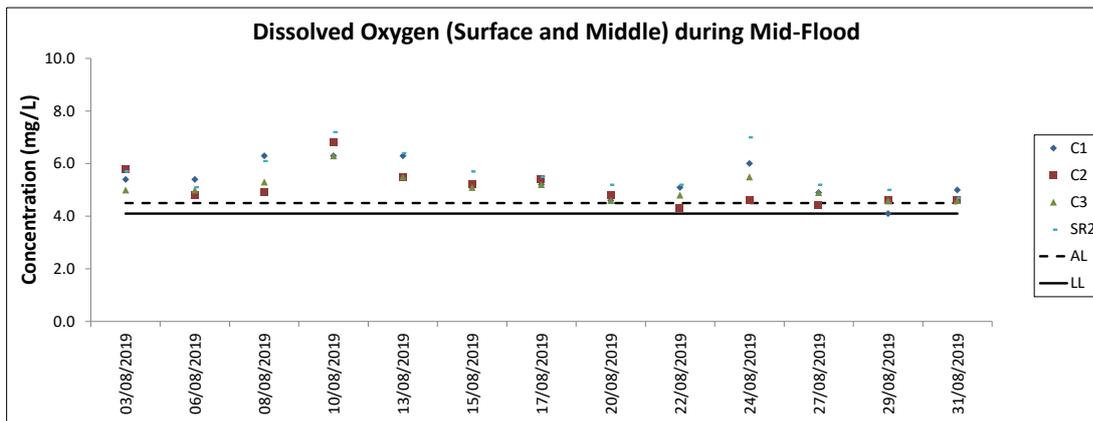
Expansion of Hong Kong International Airport into a Three-Runway System

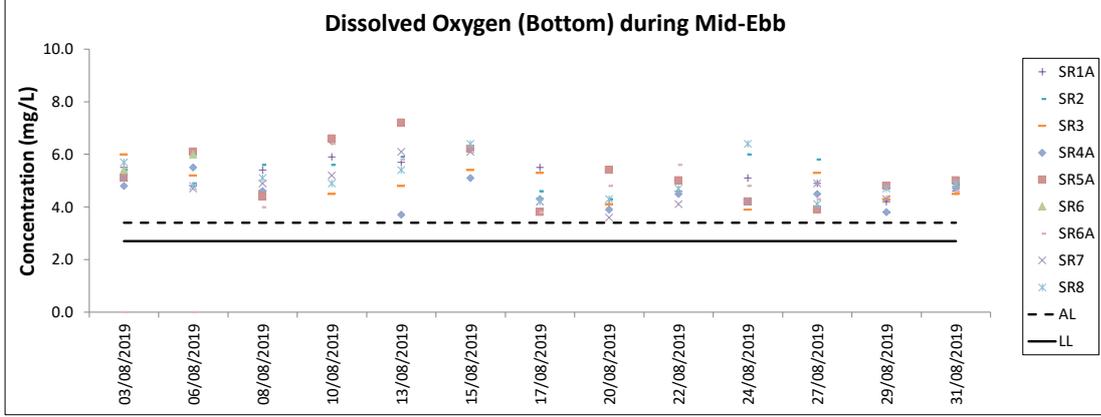
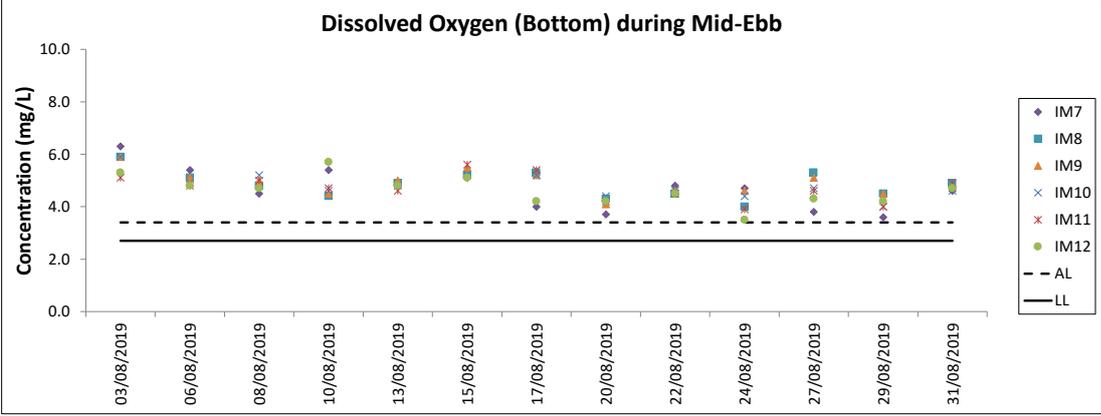
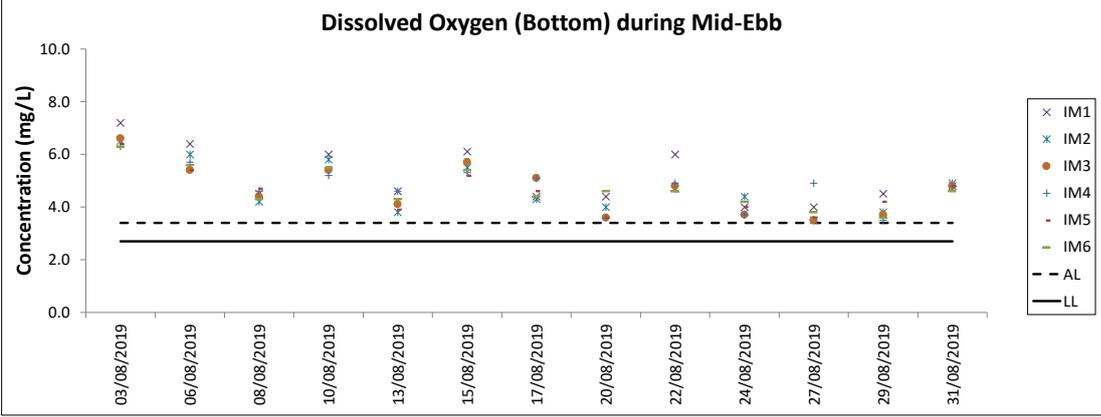
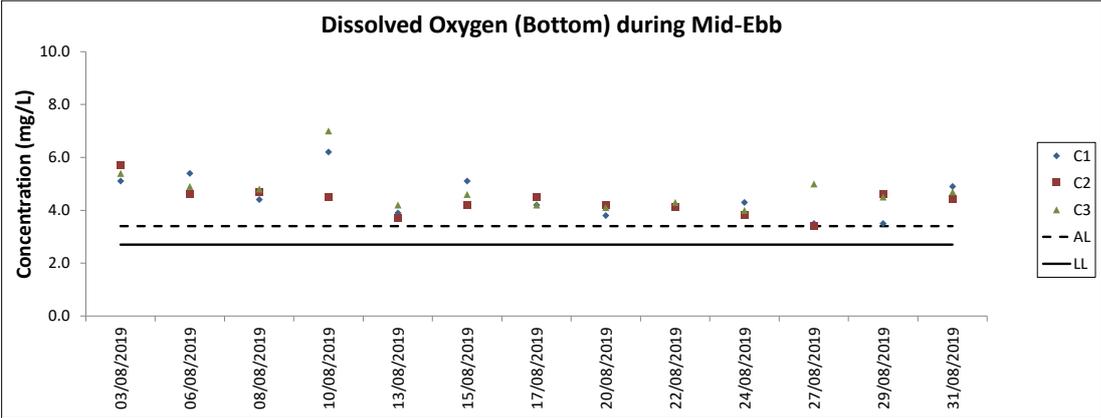
Water Quality Monitoring

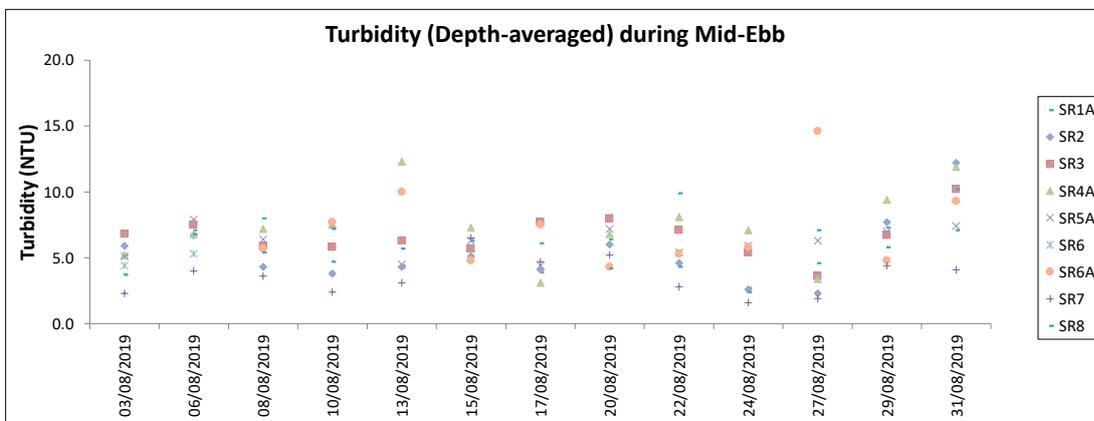
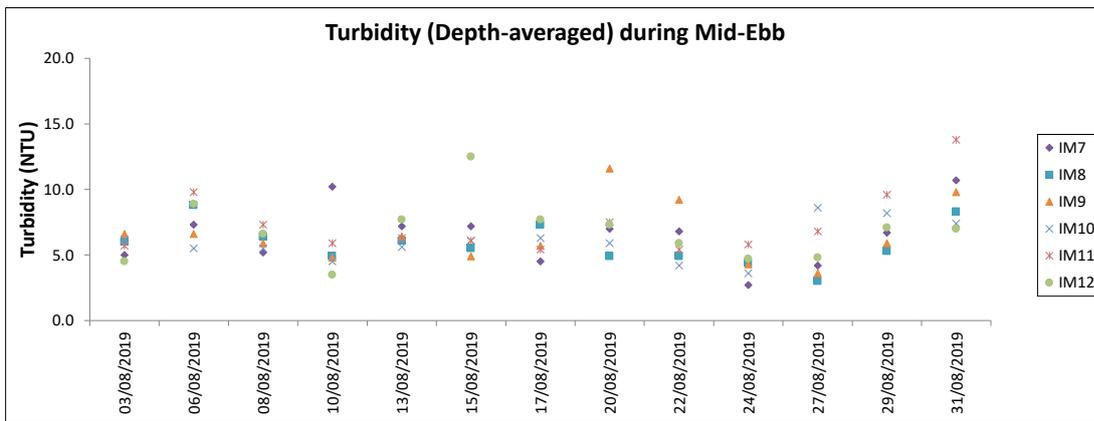
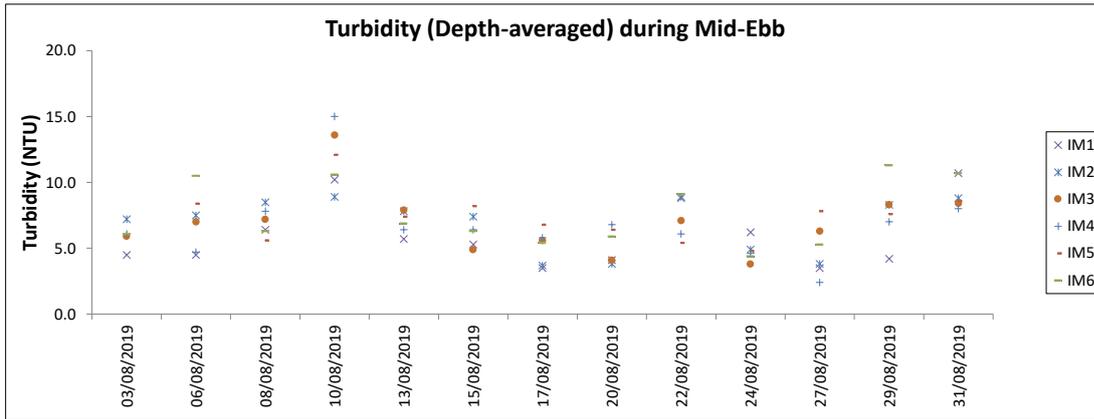
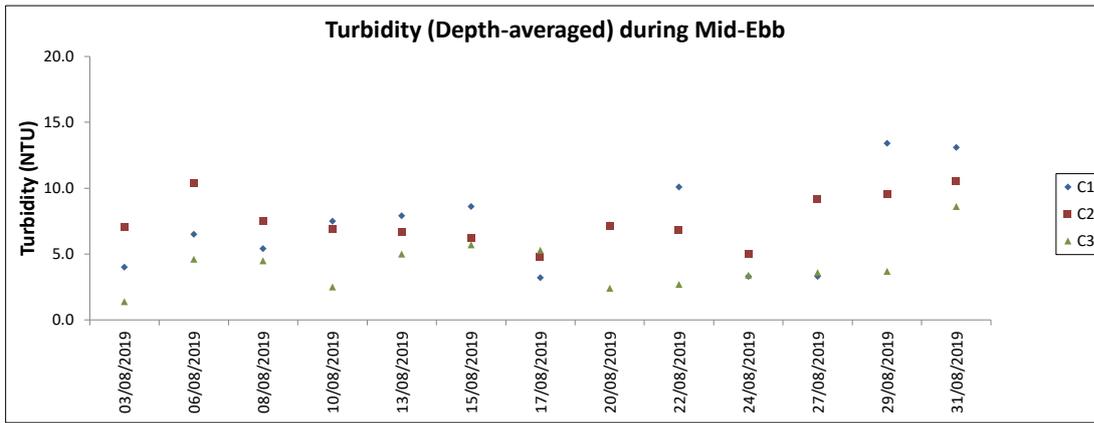
Water Quality Monitoring Results on 31 August 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	19:11	7.3	Surface	1.0	0.4	318	27.2	27.2	8.0	8.0	22.1	22.1	67.4	67.4	4.7	4.7	6.3	4	85	89	85	85	89	89	822098	808834	<0.2	1.9	<0.2	1.9			
						1.0	0.4	322	27.2	27.0	8.0	8.0	22.1	22.1	67.4	67.4	4.7	4.7	6.3	5	85	89	85	85	89	89	822098	808834	<0.2	1.9	<0.2	1.9			
						3.7	0.5	299	27.0	26.9	8.0	8.0	22.7	22.7	67.5	67.5	4.7	4.7	10.2	6	88	89	88	89	89	89	822098	808834	<0.2	1.9	<0.2	1.9			
					Middle	3.7	0.5	297	27.0	26.9	8.0	8.0	22.7	22.7	67.5	67.5	4.7	4.7	10.2	6	88	89	88	89	89	89	822098	808834	<0.2	1.9	<0.2	1.9			
						6.3	0.4	275	26.9	26.9	8.0	8.0	24.4	24.4	69.8	69.9	4.9	4.9	14.5	6	92	93	92	93	93	93	822098	808834	<0.2	1.9	<0.2	1.9			
						6.3	0.4	278	26.9	26.9	8.0	8.0	24.4	24.4	70.0	70.0	4.9	4.9	14.2	6	93	93	93	93	93	93	822098	808834	<0.2	1.9	<0.2	1.9			
IM10	Cloudy	Moderate	19:19	7.5	Surface	1.0	0.7	292	27.2	27.2	7.9	7.9	22.0	22.0	69.4	69.5	4.9	4.9	5.6	4	84	89	85	85	89	89	822401	809780	<0.2	1.9	<0.2	1.9			
						1.0	0.7	294	27.2	26.9	8.0	8.0	24.1	24.1	67.6	67.6	4.7	4.7	9.4	4	89	88	89	88	88	88	822401	809780	<0.2	1.9	<0.2	1.9			
						3.8	0.5	294	26.9	26.9	8.0	8.0	24.1	24.1	67.6	67.6	4.7	4.7	9.3	4	88	88	88	88	88	88	822401	809780	<0.2	1.9	<0.2	1.9			
					Middle	3.8	0.5	296	26.9	26.9	8.0	8.0	24.1	24.1	67.6	67.6	4.7	4.7	9.3	4	88	88	88	88	88	88	822401	809780	<0.2	1.9	<0.2	1.9			
						6.5	0.3	285	26.9	26.9	8.0	8.0	24.2	24.2	67.6	67.6	4.7	4.7	15.3	4	92	93	92	93	93	93	822401	809780	<0.2	1.9	<0.2	1.9			
						6.5	0.3	288	26.9	26.9	8.0	8.0	24.2	24.2	67.6	67.6	4.7	4.7	15.2	4	93	93	93	93	93	93	822401	809780	<0.2	1.9	<0.2	1.9			
IM11	Cloudy	Moderate	19:29	8.3	Surface	1.0	0.4	284	27.1	27.1	7.9	7.9	22.4	22.4	69.2	69.2	4.9	4.9	6.3	7	84	89	85	85	89	89	822039	811456	<0.2	1.6	<0.2	1.6			
						1.0	0.5	289	27.1	26.8	8.0	8.0	22.4	22.4	69.2	69.2	4.9	4.9	6.4	8	85	89	85	85	89	89	822039	811456	<0.2	1.6	<0.2	1.6			
						4.2	0.3	283	26.8	26.8	8.0	8.0	23.6	23.6	68.3	68.3	4.8	4.8	6.0	7	89	89	89	89	89	89	822039	811456	<0.2	1.6	<0.2	1.6			
					Middle	4.2	0.3	284	26.8	26.8	8.0	8.0	23.6	23.6	68.3	68.3	4.8	4.8	6.0	7	89	89	89	89	89	89	822039	811456	<0.2	1.6	<0.2	1.6			
						7.3	0.2	270	26.4	26.4	8.0	8.0	25.4	25.4	66.6	66.7	4.7	4.7	8.0	7	92	93	92	93	93	93	822039	811456	<0.2	1.5	<0.2	1.5			
						7.3	0.2	277	26.4	26.4	8.0	8.0	25.4	25.4	66.8	66.7	4.7	4.7	8.1	6	93	93	93	93	93	93	822039	811456	<0.2	1.5	<0.2	1.5			
IM12	Cloudy	Moderate	19:34	7.8	Surface	1.0	0.4	272	26.6	26.6	8.0	8.0	24.8	24.8	65.8	65.8	4.6	4.6	7.6	9	85	89	85	85	89	89	821456	812032	<0.2	1.3	<0.2	1.3			
						1.0	0.4	279	26.6	26.6	8.0	8.0	24.8	24.8	65.7	65.8	4.6	4.6	7.7	9	85	89	85	85	89	89	821456	812032	<0.2	1.3	<0.2	1.3			
						3.9	0.3	269	26.6	26.6	8.0	8.0	25.0	25.0	65.4	65.5	4.6	4.6	8.9	9	89	89	89	89	89	89	821456	812032	<0.2	1.4	<0.2	1.4			
					Middle	3.9	0.3	258	26.6	26.6	8.0	8.0	25.0	25.0	65.5	65.5	4.6	4.6	9.0	10	89	89	89	89	89	89	821456	812032	<0.2	1.4	<0.2	1.4			
						6.8	0.3	260	26.4	26.4	8.0	8.0	25.3	25.3	66.8	67.0	4.7	4.7	10.1	9	92	93	92	93	93	93	821456	812032	<0.2	1.3	<0.2	1.3			
						6.8	0.3	263	26.4	26.4	8.0	8.0	25.3	25.3	67.1	67.0	4.7	4.7	10.2	10	93	93	93	93	93	93	821456	812032	<0.2	1.4	<0.2	1.4			
SR1A	Cloudy	Moderate	20:23	5.6	Surface	1.0	-	-	26.6	26.6	8.0	8.0	24.6	24.6	66.5	66.5	4.7	4.7	7.3	6	-	-	-	-	-	-	819978	812659	-	-	-	-			
						1.0	-	-	26.6	26.6	8.0	8.0	24.6	24.6	66.5	66.5	4.7	4.7	7.4	7	-	-	-	-	-	-	819978	812659	-	-	-	-			
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819978	812659	-	-	-	-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819978	812659	-	-	-	-	
						4.6	-	-	26.5	26.5	8.0	8.0	25.0	25.0	65.6	65.6	4.6	4.6	7.4	9	-	-	-	-	-	-	-	-	819978	812659	-	-	-	-	
						4.6	-	-	26.5	26.5	8.0	8.0	25.0	25.0	65.6	65.6	4.6	4.6	7.5	10	-	-	-	-	-	-	-	-	819978	812659	-	-	-	-	
SR2	Cloudy	Moderate	20:35	5.0	Surface	1.0	0.3	242	26.6	26.6	8.0	8.0	24.7	24.7	66.7	66.7	4.7	4.7	8.0	6	85	89	85	85	89	89	821459	814166	<0.2	1.3	<0.2	1.3			
						1.0	0.3	244	26.6	26.6	8.0	8.0	24.7	24.7	66.7	66.7	4.7	4.7	8.0	7	84	89	85	85	89	89	821459	814166	<0.2	1.2	<0.2	1.2			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821459	814166	<0.2	1.2	<0.2	1.2
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821459	814166	<0.2	1.2	<0.2	1.2
						4.0	0.2	250	26.3	26.3	8.0	8.0	25.7	25.7	65.2	65.3	4.6	4.6	8.6	8	88	89	88	89	89	89	821459	814166	<0.2	1.1	<0.2	1.1			
						4.0	0.2	262	26.3	26.3	8.0	8.0	25.7	25.7	65.3	65.3	4.6	4.6	8.6	8	88	89	88	89	89	89	821459	814166	<0.2	1.1	<0.2	1.1			
SR3	Cloudy	Moderate	19:00	8.8	Surface	1.0	0.2	75	27.1	27.1	8.0	8.0	23.0	23.0	67.1	67.3	4.7	4.7	8.9	6	-	-	-	-	-	-	822142	807549	-	-	-	-			
						1.0	0.2	74	27.1	27.1	8.0	8.0	23.0	23.0	67.4	67.3	4.7	4.7	8.9	6	-	-	-	-	-	-	-	822142	807549	-	-	-	-		
						4.4	0.1	88	26.8	26.8	8.0	8.0	23.9	23.9	63.6	63.6	4.4	4.4	11.7	5	-	-	-	-	-	-	-	822142	807549	-	-	-	-		
					Middle	4.4	0.1	89	26.8	26.8	8.0	8.0	24.0	24.0	63.6	63.6	4.4	4.4	11.9	6	-	-	-	-	-	-	-	-	822142	807549	-	-	-	-	
						7.8	0.1	65	26.8	26.8	8.1	8.1	24.7	24.7	68.1	68.2	4.8	4.8	13.1	5	-	-	-	-	-	-	-	-	822142	807549	-	-	-	-	
						7.8	0.1	63	26.8	26.8	8.1	8.1	24.7	24.7	68.2	68.2	4.8	4.8	13.0	5	-	-	-	-	-	-	-	-	822142	807549	-	-	-	-	
SR4A	Cloudy	Calm	20:15	9.4	Surface	1.0	0.3	274	27.7	27.7	7.9	7.9	23.2	23.2	72.0	72.0	5.0	5.0	6.6	8	-	-	-	-	-	-	817189	807821	-	-	-	-			
						1.0	0.3	281	27.7	27.7	7.9	7.9	23.2	23.2	71.9	72.0	5.0	5.0	6.5	8	-	-	-	-	-	-	-	817189	807821	-	-	-	-		
						4.7	0.3	263	27.6	27.6	7.9	7.9	24.4	24.4	70.5																				

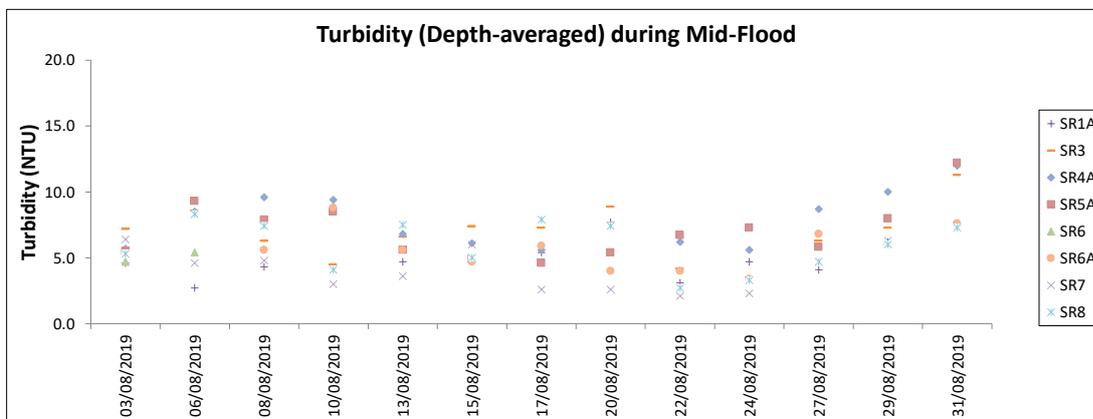
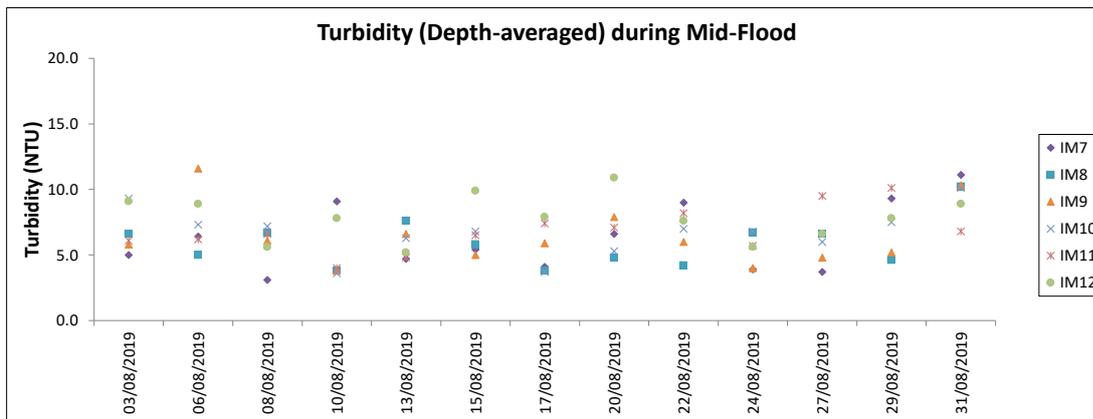
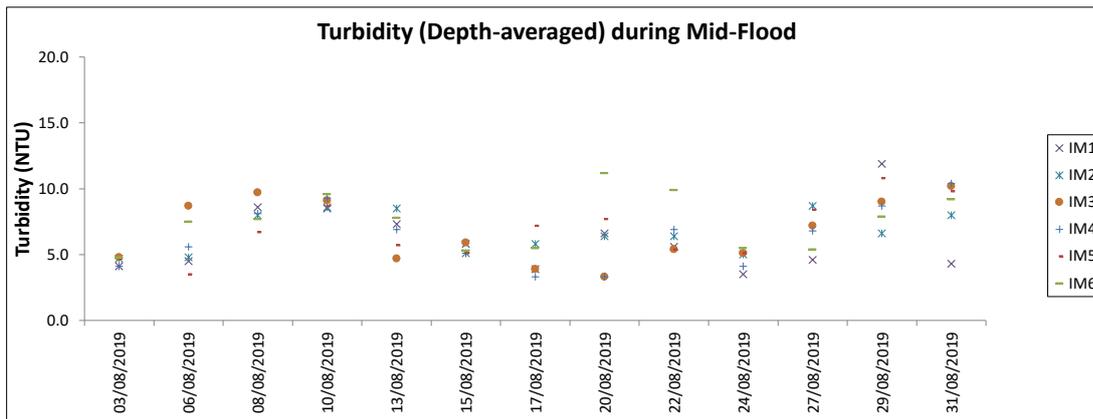
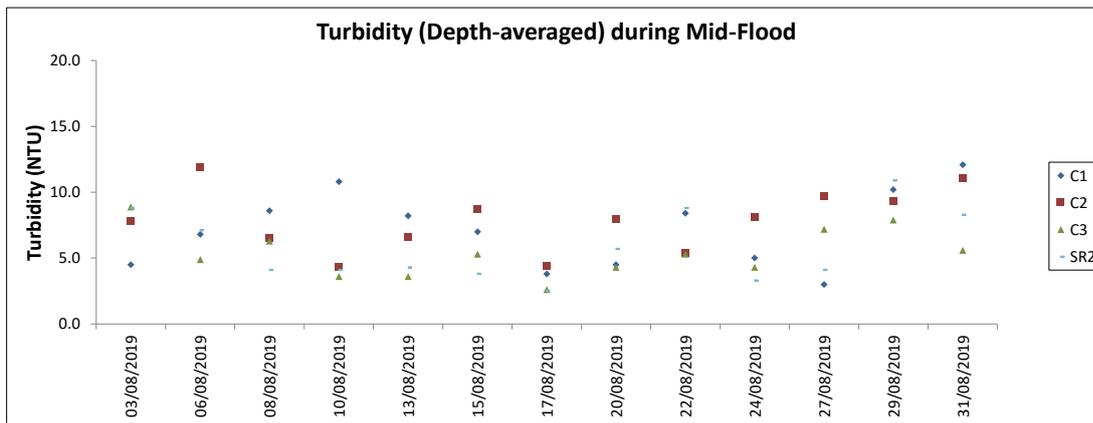




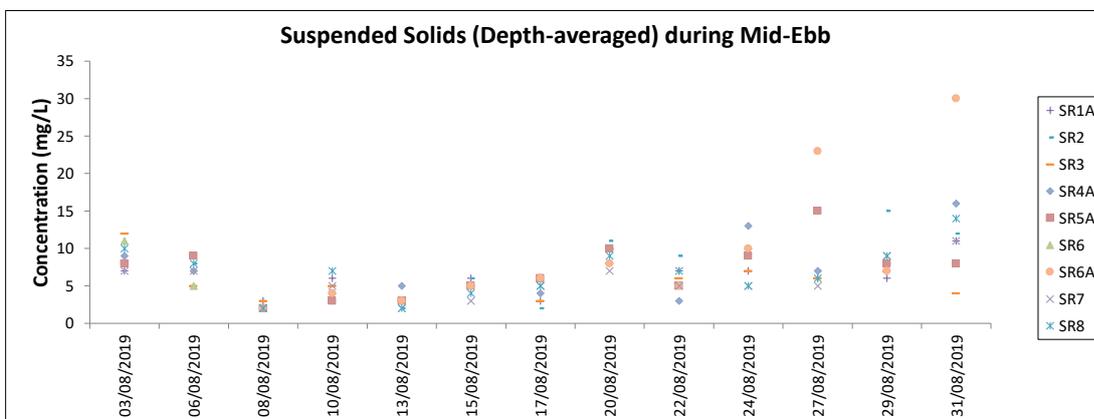
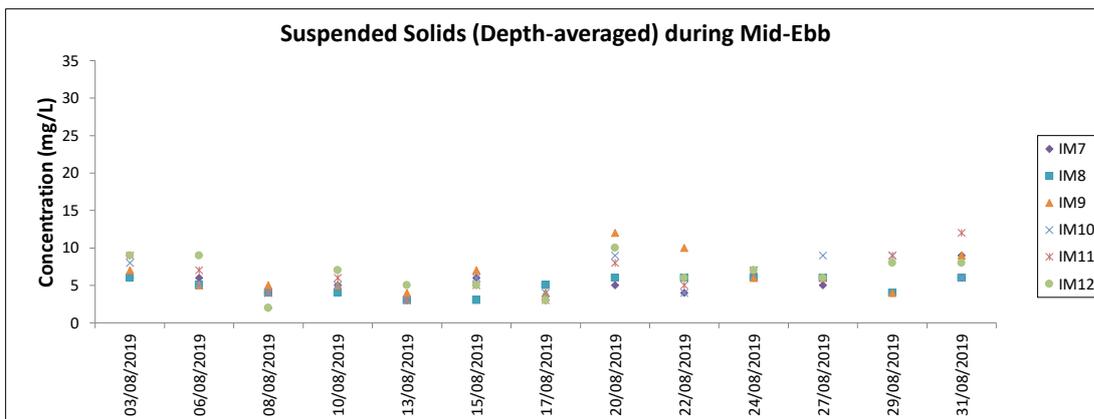
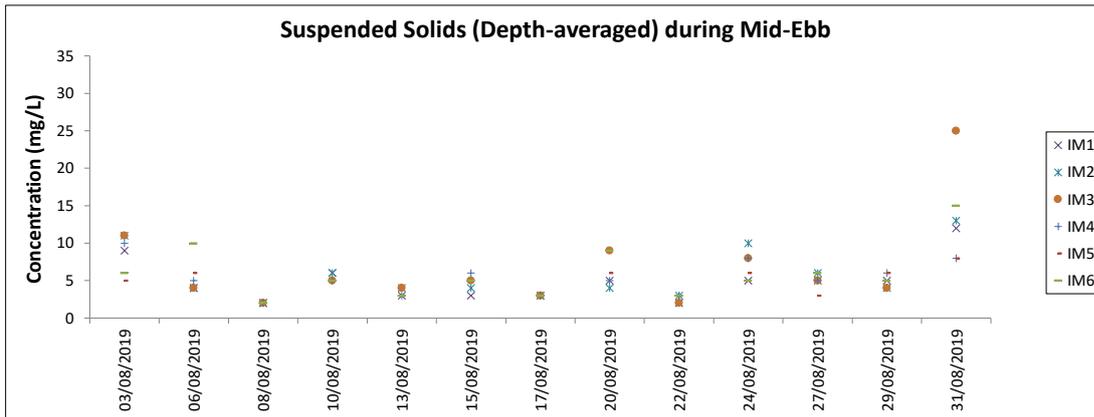
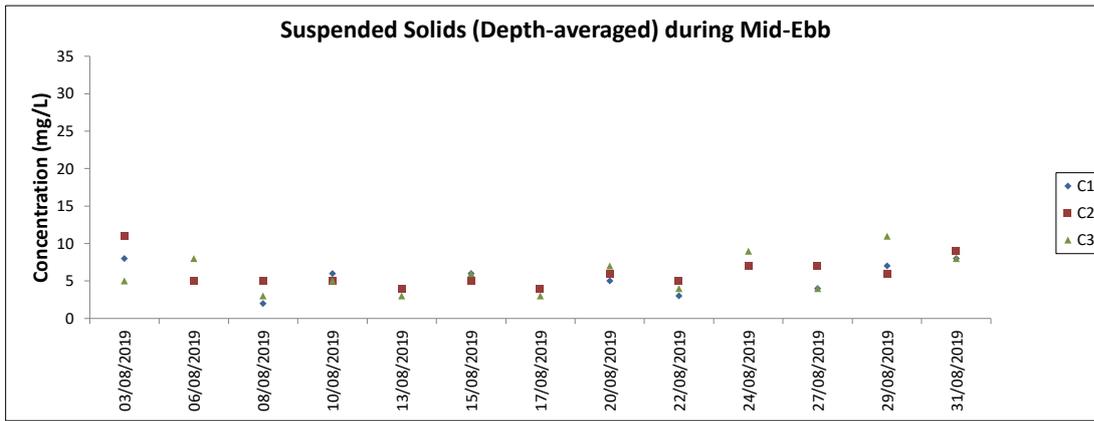




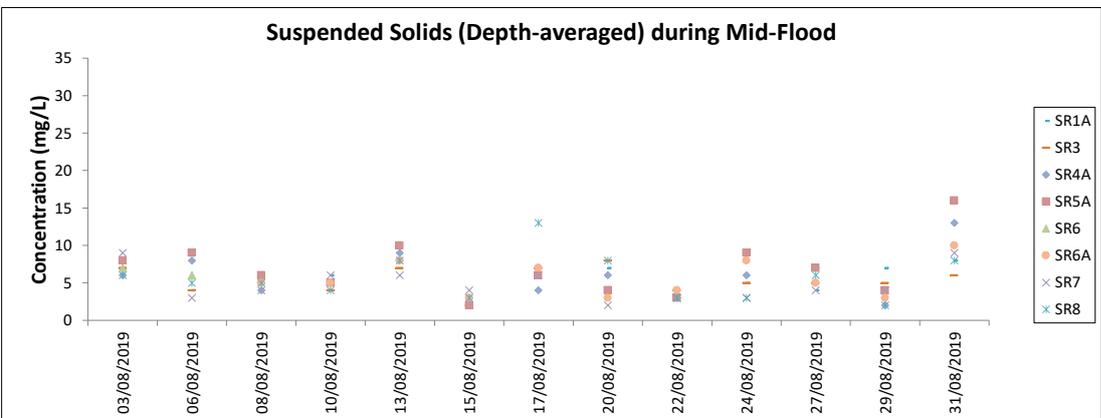
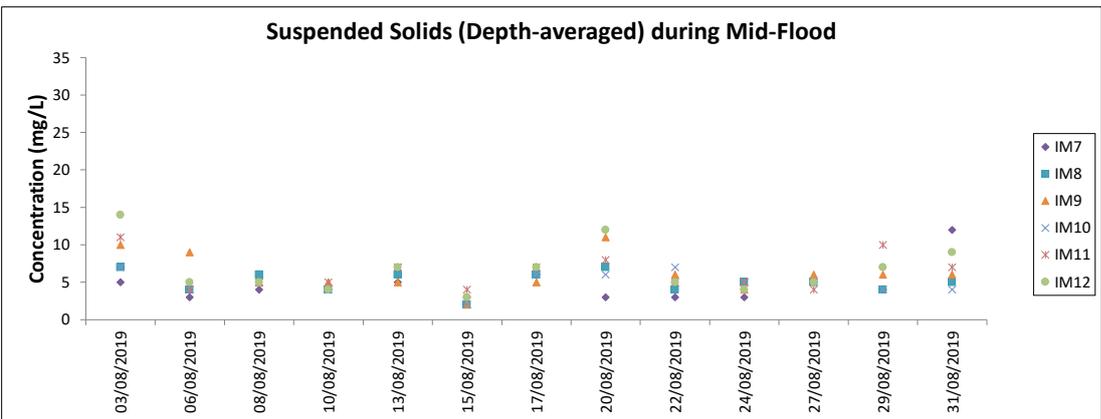
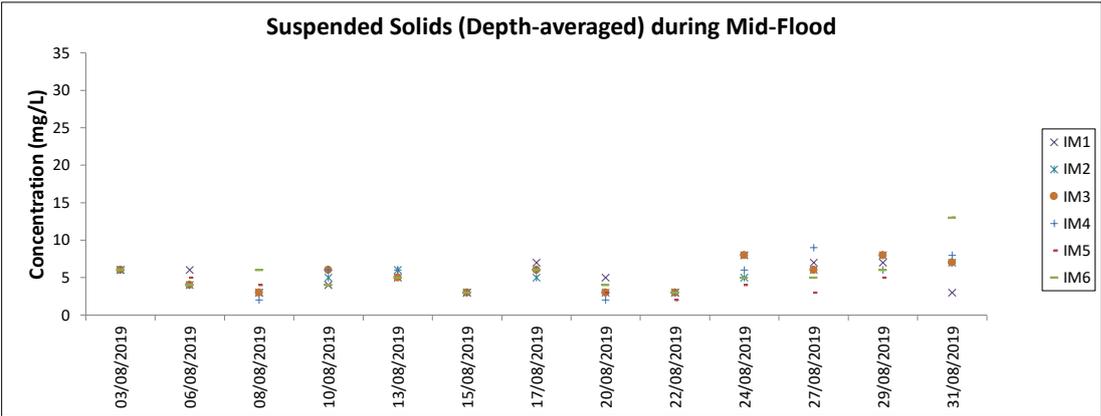
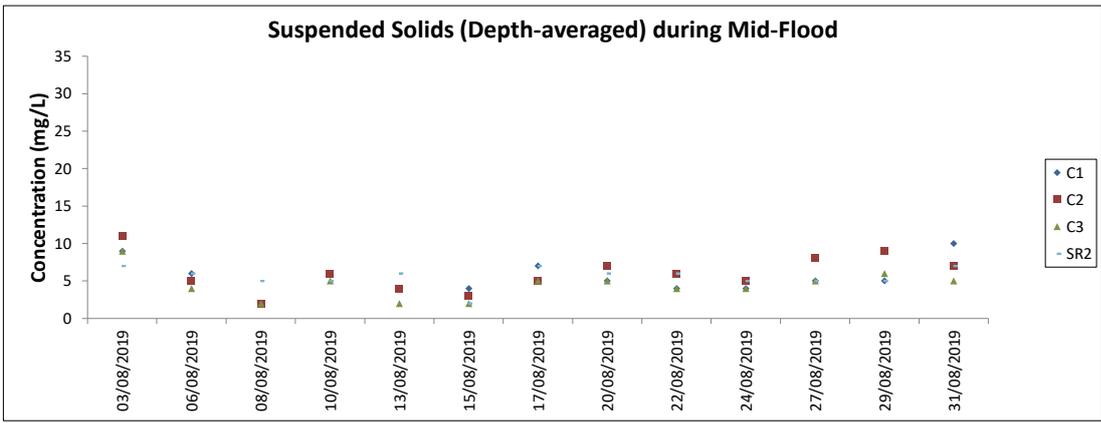
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



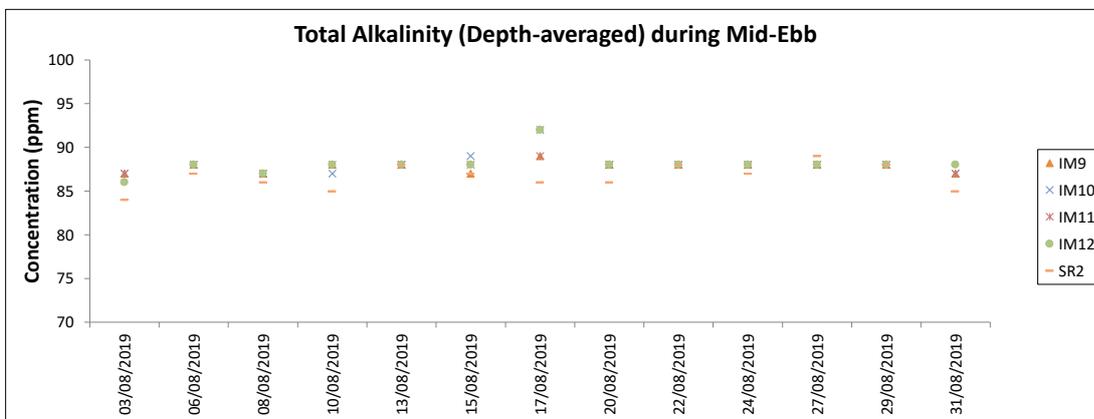
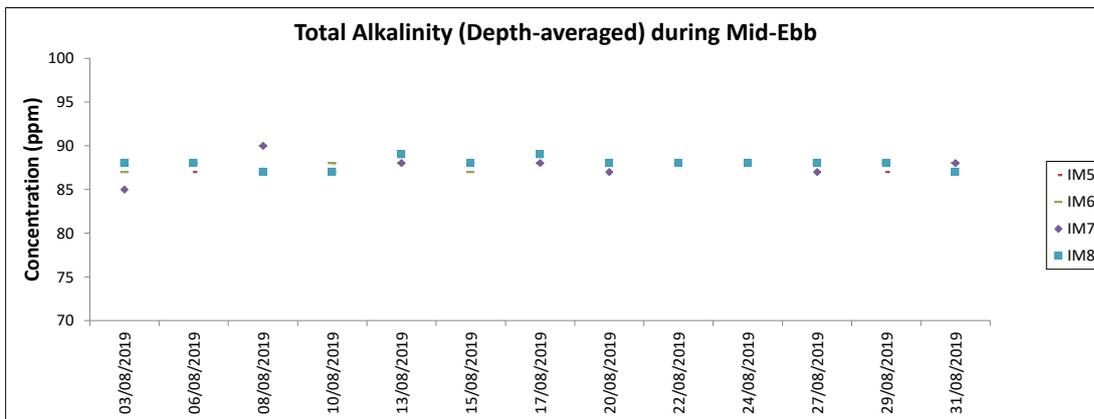
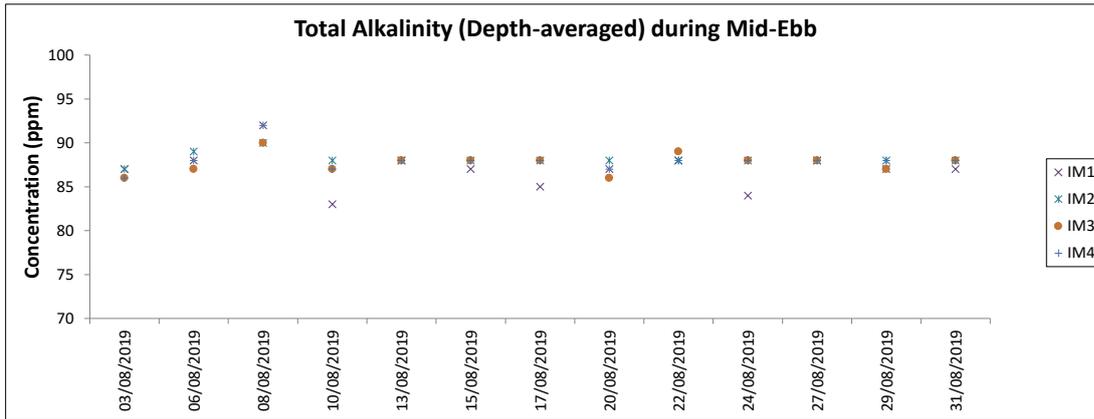
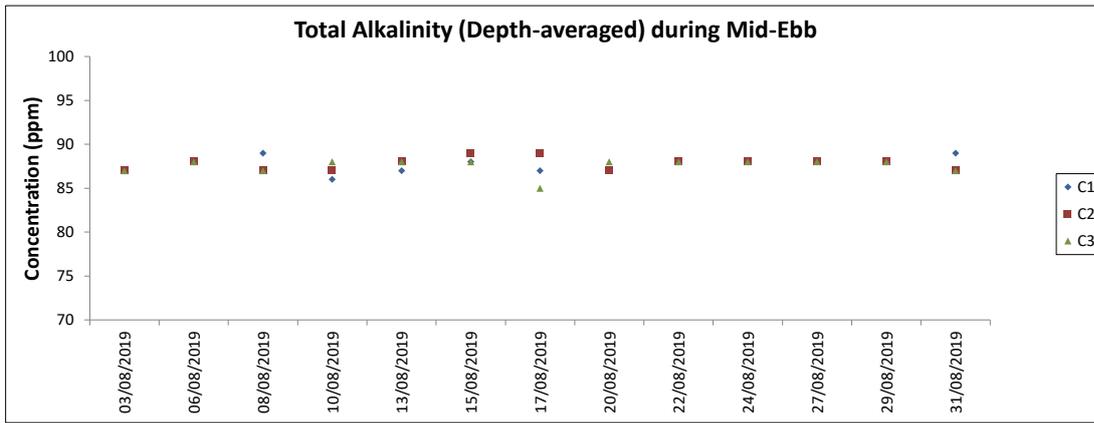
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



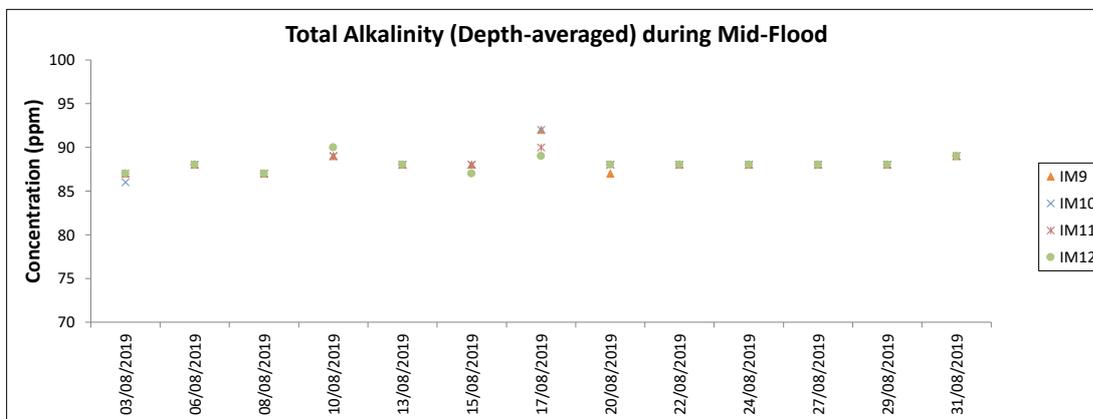
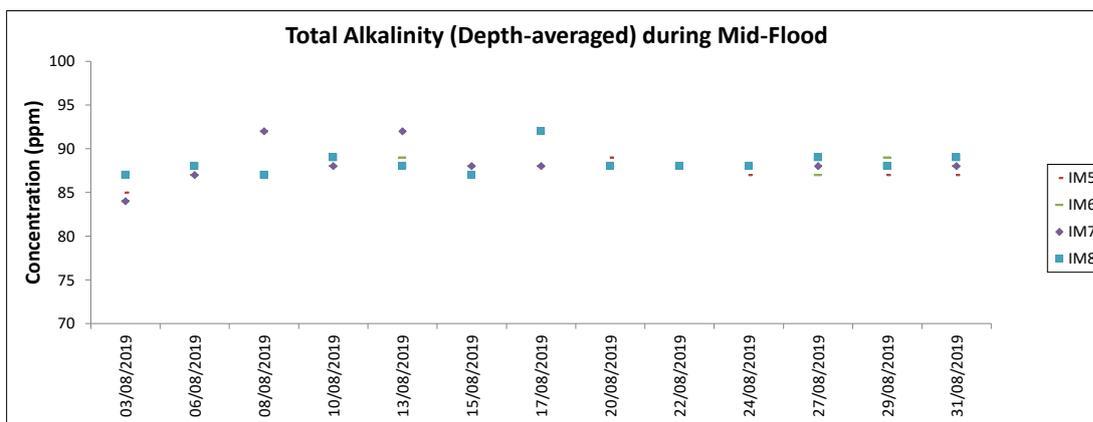
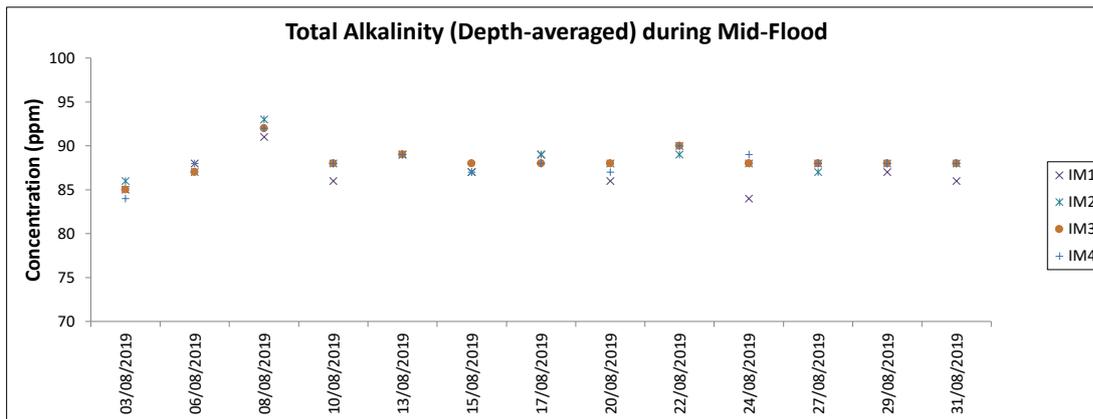
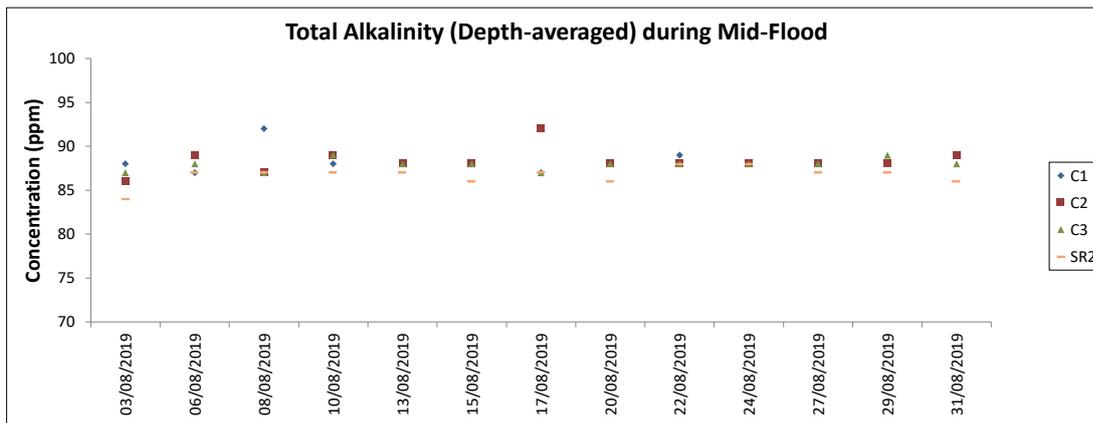
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



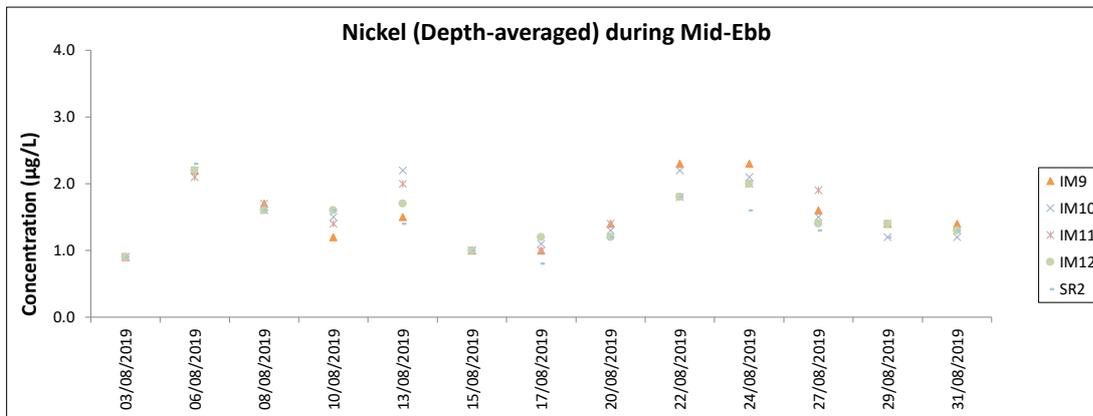
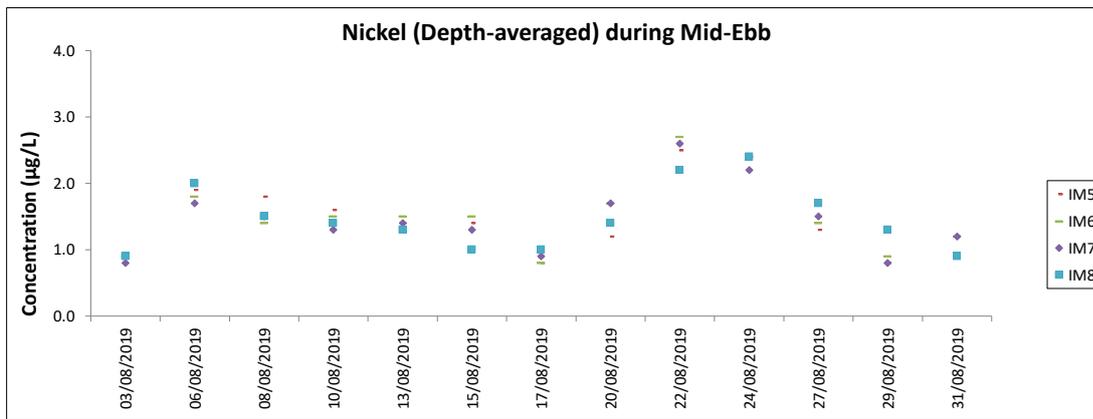
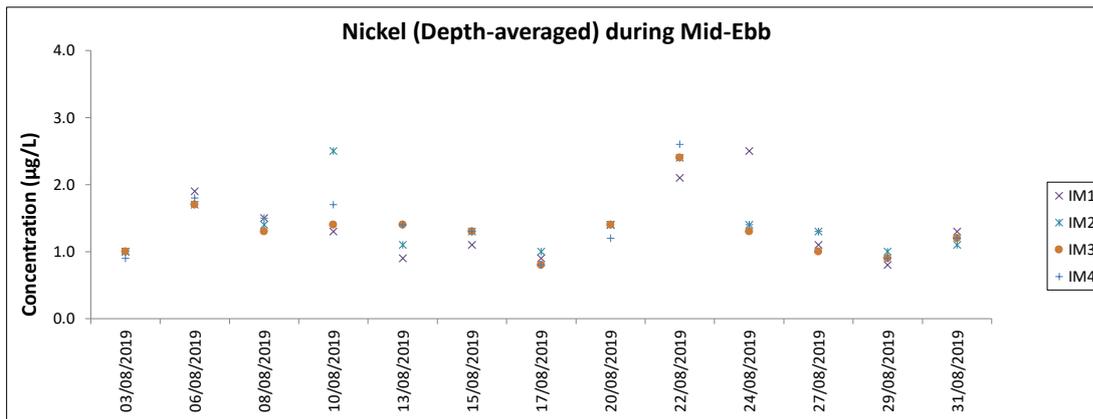
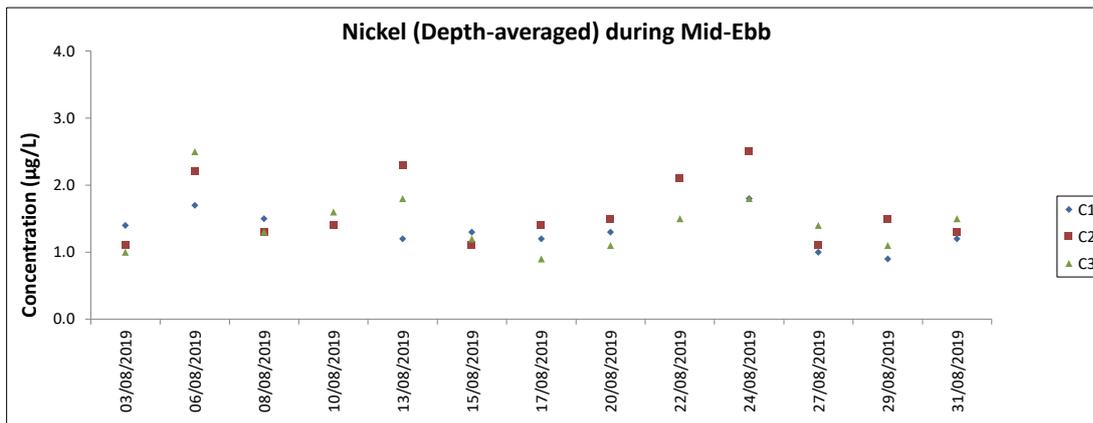
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



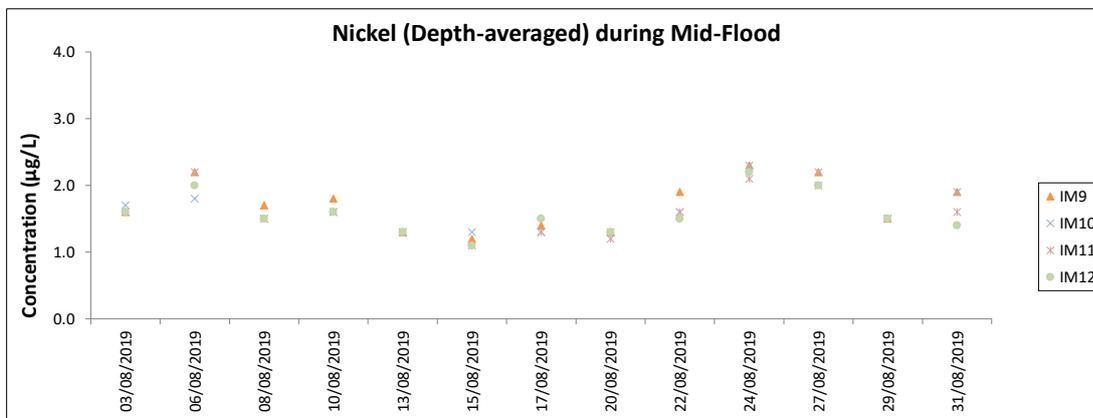
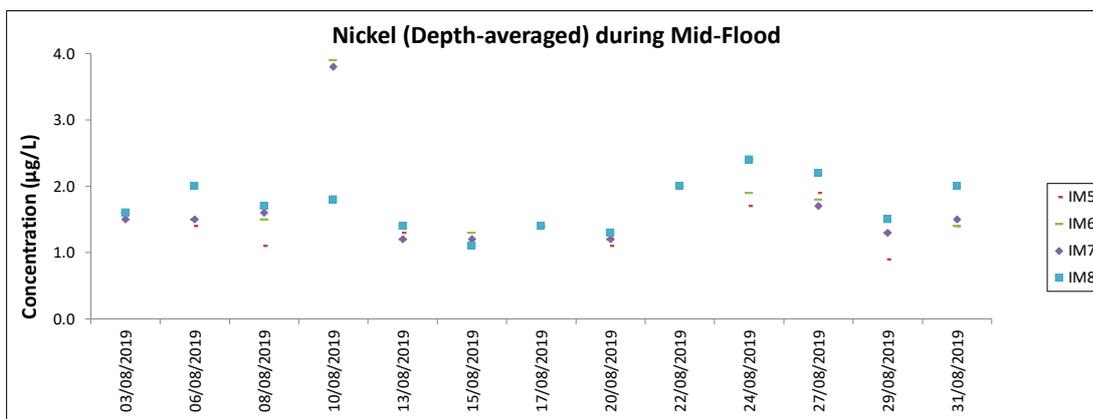
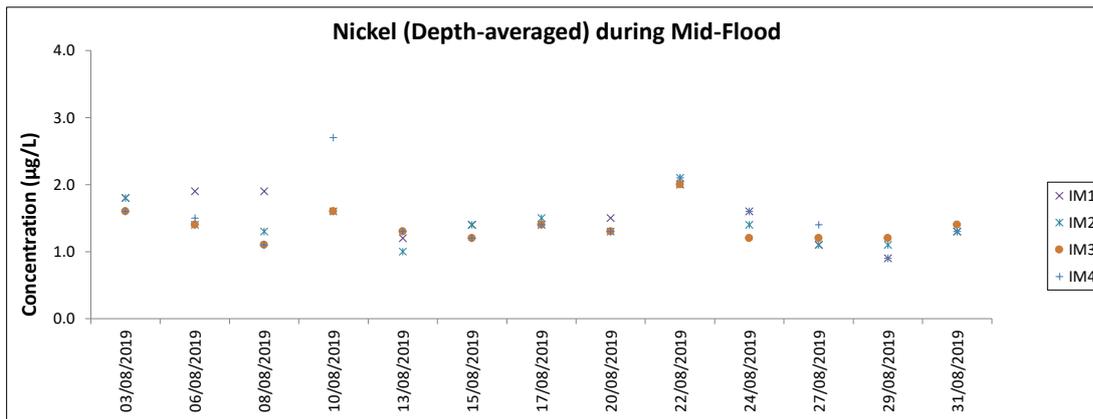
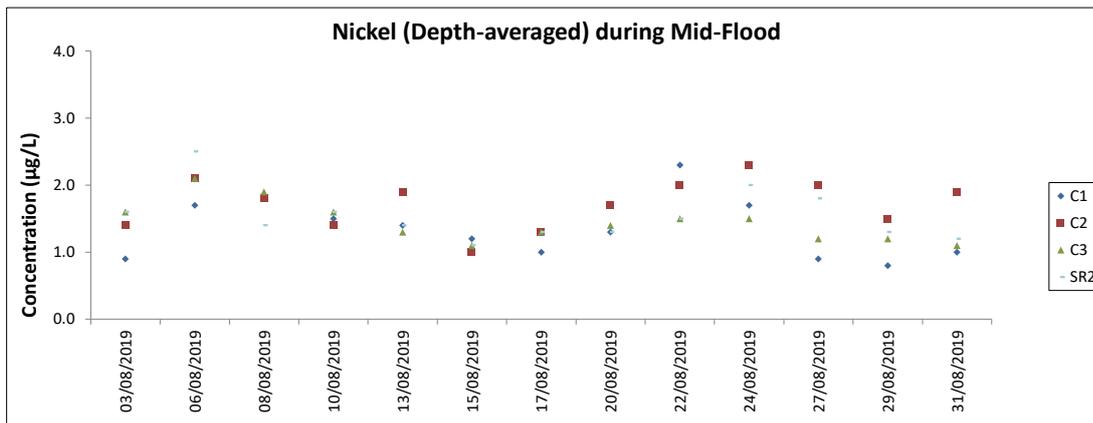
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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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 Result

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
4-Jun-19	NEL	2	27.350	SUMMER	32166	3RS ET	P
4-Jun-19	NEL	3	7.700	SUMMER	32166	3RS ET	P
4-Jun-19	NEL	4	2.600	SUMMER	32166	3RS ET	P
4-Jun-19	NEL	2	7.050	SUMMER	32166	3RS ET	S
4-Jun-19	NEL	3	3.200	SUMMER	32166	3RS ET	S
6-Jun-19	AW	2	4.730	SUMMER	32166	3RS ET	P
6-Jun-19	WL	2	7.467	SUMMER	32166	3RS ET	P
6-Jun-19	WL	3	12.575	SUMMER	32166	3RS ET	P
6-Jun-19	WL	2	1.850	SUMMER	32166	3RS ET	S
6-Jun-19	WL	3	7.388	SUMMER	32166	3RS ET	S
6-Jun-19	WL	4	0.570	SUMMER	32166	3RS ET	S
11-Jun-19	NEL	1	1.600	SUMMER	32166	3RS ET	P
11-Jun-19	NEL	2	34.960	SUMMER	32166	3RS ET	P
11-Jun-19	NEL	1	1.200	SUMMER	32166	3RS ET	S
11-Jun-19	NEL	2	10.140	SUMMER	32166	3RS ET	S
17-Jun-19	SWL	3	10.690	SUMMER	32166	3RS ET	P
17-Jun-19	SWL	4	44.330	SUMMER	32166	3RS ET	P
17-Jun-19	SWL	2	0.900	SUMMER	32166	3RS ET	S
17-Jun-19	SWL	3	2.800	SUMMER	32166	3RS ET	S
17-Jun-19	SWL	4	12.480	SUMMER	32166	3RS ET	S
18-Jun-19	SWL	2	51.312	SUMMER	32166	3RS ET	P
18-Jun-19	SWL	3	2.970	SUMMER	32166	3RS ET	P
18-Jun-19	SWL	2	10.560	SUMMER	32166	3RS ET	S
18-Jun-19	SWL	3	3.830	SUMMER	32166	3RS ET	S
19-Jun-19	NWL	1	7.700	SUMMER	32166	3RS ET	P
19-Jun-19	NWL	2	30.077	SUMMER	32166	3RS ET	P
19-Jun-19	NWL	3	24.682	SUMMER	32166	3RS ET	P
19-Jun-19	NWL	1	3.900	SUMMER	32166	3RS ET	S
19-Jun-19	NWL	2	6.050	SUMMER	32166	3RS ET	S
19-Jun-19	NWL	3	2.491	SUMMER	32166	3RS ET	S
26-Jun-19	AW	2	5.100	SUMMER	32166	3RS ET	P
26-Jun-19	WL	2	18.167	SUMMER	32166	3RS ET	P
26-Jun-19	WL	3	2.710	SUMMER	32166	3RS ET	P
26-Jun-19	WL	2	9.143	SUMMER	32166	3RS ET	S
26-Jun-19	WL	3	1.810	SUMMER	32166	3RS ET	S
27-Jun-19	NWL	2	4.700	SUMMER	32166	3RS ET	P
27-Jun-19	NWL	3	58.800	SUMMER	32166	3RS ET	P
27-Jun-19	NWL	2	2.200	SUMMER	32166	3RS ET	S
27-Jun-19	NWL	3	9.600	SUMMER	32166	3RS ET	S
8-Jul-19	NEL	2	6.410	SUMMER	32166	3RS ET	P
8-Jul-19	NEL	3	27.530	SUMMER	32166	3RS ET	P
8-Jul-19	NEL	4	3.400	SUMMER	32166	3RS ET	P
8-Jul-19	NEL	2	2.960	SUMMER	32166	3RS ET	S
8-Jul-19	NEL	3	7.500	SUMMER	32166	3RS ET	S
9-Jul-19	NEL	2	4.100	SUMMER	32166	3RS ET	P
9-Jul-19	NEL	3	26.300	SUMMER	32166	3RS ET	P
9-Jul-19	NEL	4	6.700	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
9-Jul-19	NEL	2	2.000	SUMMER	32166	3RS ET	S
9-Jul-19	NEL	3	7.500	SUMMER	32166	3RS ET	S
9-Jul-19	NEL	4	0.900	SUMMER	32166	3RS ET	S
16-Jul-19	AW	1	4.980	SUMMER	32166	3RS ET	P
16-Jul-19	WL	1	5.410	SUMMER	32166	3RS ET	P
16-Jul-19	WL	2	5.206	SUMMER	32166	3RS ET	P
16-Jul-19	WL	3	7.009	SUMMER	32166	3RS ET	P
16-Jul-19	WL	4	1.137	SUMMER	32166	3RS ET	P
16-Jul-19	WL	1	1.570	SUMMER	32166	3RS ET	S
16-Jul-19	WL	2	2.237	SUMMER	32166	3RS ET	S
16-Jul-19	WL	3	4.340	SUMMER	32166	3RS ET	S
16-Jul-19	WL	4	0.223	SUMMER	32166	3RS ET	S
17-Jul-19	SWL	2	39.559	SUMMER	32166	3RS ET	P
17-Jul-19	SWL	3	11.290	SUMMER	32166	3RS ET	P
17-Jul-19	SWL	1	0.930	SUMMER	32166	3RS ET	S
17-Jul-19	SWL	2	10.694	SUMMER	32166	3RS ET	S
17-Jul-19	SWL	3	4.140	SUMMER	32166	3RS ET	S
18-Jul-19	SWL	1	1.882	SUMMER	32166	3RS ET	P
18-Jul-19	SWL	2	40.279	SUMMER	32166	3RS ET	P
18-Jul-19	SWL	3	13.740	SUMMER	32166	3RS ET	P
18-Jul-19	SWL	1	0.398	SUMMER	32166	3RS ET	S
18-Jul-19	SWL	2	10.003	SUMMER	32166	3RS ET	S
18-Jul-19	SWL	3	3.490	SUMMER	32166	3RS ET	S
22-Jul-19	NWL	1	8.700	SUMMER	32166	3RS ET	P
22-Jul-19	NWL	2	53.140	SUMMER	32166	3RS ET	P
22-Jul-19	NWL	3	0.800	SUMMER	32166	3RS ET	P
22-Jul-19	NWL	1	1.100	SUMMER	32166	3RS ET	S
22-Jul-19	NWL	2	9.860	SUMMER	32166	3RS ET	S
23-Jul-19	AW	2	4.840	SUMMER	32166	3RS ET	P
23-Jul-19	WL	2	14.693	SUMMER	32166	3RS ET	P
23-Jul-19	WL	3	3.892	SUMMER	32166	3RS ET	P
23-Jul-19	WL	2	5.815	SUMMER	32166	3RS ET	S
23-Jul-19	WL	3	3.119	SUMMER	32166	3RS ET	S
24-Jul-19	NWL	2	38.660	SUMMER	32166	3RS ET	P
24-Jul-19	NWL	3	23.760	SUMMER	32166	3RS ET	P
24-Jul-19	NWL	2	6.300	SUMMER	32166	3RS ET	S
24-Jul-19	NWL	3	5.780	SUMMER	32166	3RS ET	S
7-Aug-19	SWL	2	24.140	SUMMER	32166	3RS ET	P
7-Aug-19	SWL	3	29.880	SUMMER	32166	3RS ET	P
7-Aug-19	SWL	2	6.300	SUMMER	32166	3RS ET	S
7-Aug-19	SWL	3	9.480	SUMMER	32166	3RS ET	S
8-Aug-19	AW	2	4.820	SUMMER	32166	3RS ET	P
8-Aug-19	WL	2	17.412	SUMMER	32166	3RS ET	P
8-Aug-19	WL	3	1.230	SUMMER	32166	3RS ET	P
8-Aug-19	WL	2	6.241	SUMMER	32166	3RS ET	S
8-Aug-19	WL	3	1.330	SUMMER	32166	3RS ET	S
12-Aug-19	NWL	2	3.080	SUMMER	32166	3RS ET	P
12-Aug-19	NWL	3	49.260	SUMMER	32166	3RS ET	P
12-Aug-19	NWL	4	9.700	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
12-Aug-19	NWL	2	1.240	SUMMER	32166	3RS ET	S
12-Aug-19	NWL	3	9.320	SUMMER	32166	3RS ET	S
12-Aug-19	NWL	4	1.400	SUMMER	32166	3RS ET	S
13-Aug-19	NEL	2	32.600	SUMMER	32166	3RS ET	P
13-Aug-19	NEL	3	4.800	SUMMER	32166	3RS ET	P
13-Aug-19	NEL	2	7.900	SUMMER	32166	3RS ET	S
13-Aug-19	NEL	3	2.300	SUMMER	32166	3RS ET	S
16-Aug-19	NEL	2	18.650	SUMMER	32166	3RS ET	P
16-Aug-19	NEL	3	18.620	SUMMER	32166	3RS ET	P
16-Aug-19	NEL	2	8.230	SUMMER	32166	3RS ET	S
16-Aug-19	NEL	3	2.000	SUMMER	32166	3RS ET	S
21-Aug-19	AW	2	1.850	SUMMER	32166	3RS ET	P
21-Aug-19	AW	3	2.850	SUMMER	32166	3RS ET	P
21-Aug-19	WL	2	19.158	SUMMER	32166	3RS ET	P
21-Aug-19	WL	3	1.440	SUMMER	32166	3RS ET	P
21-Aug-19	WL	2	10.752	SUMMER	32166	3RS ET	S
22-Aug-19	SWL	2	54.700	SUMMER	32166	3RS ET	P
22-Aug-19	SWL	2	16.000	SUMMER	32166	3RS ET	S
26-Aug-19	NWL	2	14.600	SUMMER	32166	3RS ET	P
26-Aug-19	NWL	3	38.000	SUMMER	32166	3RS ET	P
26-Aug-19	NWL	4	10.340	SUMMER	32166	3RS ET	P
26-Aug-19	NWL	2	2.000	SUMMER	32166	3RS ET	S
26-Aug-19	NWL	3	10.060	SUMMER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months (i.e. June and July 2019) 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
6-Jun-19	1	1052	CWD	3	WL	3	325	ON	3RS ET	22.2518	113.8337	SUMMER	NONE	S
6-Jun-19	2	1123	CWD	6	WL	2	214	ON	3RS ET	22.2445	113.8496	SUMMER	NONE	S
6-Jun-19	3	1221	CWD	2	WL	2	82	ON	3RS ET	22.2144	113.8319	SUMMER	NONE	P
18-Jun-19	1	1134	CWD	1	SWL	2	22	ON	3RS ET	22.2055	113.9224	SUMMER	NONE	S
18-Jun-19	2	1406	CWD	3	SWL	2	89	ON	3RS ET	22.2096	113.8827	SUMMER	NONE	S
18-Jun-19	3	1505	CWD	4	SWL	2	348	ON	3RS ET	22.1764	113.8690	SUMMER	NONE	P
18-Jun-19	4	1603	CWD	1	SWL	2	70	ON	3RS ET	22.1866	113.8494	SUMMER	NONE	P
18-Jun-19	5	1609	CWD	4	SWL	2	225	ON	3RS ET	22.1892	113.8496	SUMMER	PURSE SEINER	P
19-Jun-19	1	1131	CWD	5	NWL	2	70	ON	3RS ET	22.3867	113.8780	SUMMER	NONE	P
19-Jun-19	2	1323	CWD	1	NWL	3	119	ON	3RS ET	22.3999	113.8974	SUMMER	NONE	P
26-Jun-19	1	1052	CWD	7	WL	2	117	ON	3RS ET	22.2231	113.8350	SUMMER	NONE	P
26-Jun-19	2	1211	CWD	3	WL	3	664	ON	3RS ET	22.2054	113.8309	SUMMER	NONE	P
16-Jul-19	1	1034	CWD	5	WL	1	134	ON	3RS ET	22.2665	113.8595	SUMMER	NONE	S
16-Jul-19	2	1123	CWD	1	WL	3	40	ON	3RS ET	22.2411	113.8416	SUMMER	NONE	P
16-Jul-19	3	1133	CWD	2	WL	3	73	ON	3RS ET	22.2412	113.8312	SUMMER	NONE	P
16-Jul-19	4	1159	CWD	5	WL	2	54	ON	3RS ET	22.2277	113.8378	SUMMER	NONE	S
16-Jul-19	5	1229	CWD	11	WL	3	473	ON	3RS ET	22.2137	113.8294	SUMMER	NONE	P
16-Jul-19	6	1313	CWD	3	WL	3	114	ON	3RS ET	22.1953	113.8420	SUMMER	NONE	P
17-Jul-19	1	1123	CWD	1	SWL	2	565	ON	3RS ET	22.1952	113.9279	SUMMER	NONE	P
17-Jul-19	2	1148	CWD	6	SWL	2	41	ON	3RS ET	22.2008	113.9183	SUMMER	NONE	P
17-Jul-19	3	1244	CWD	4	SWL	2	289	ON	3RS ET	22.1714	113.9086	SUMMER	NONE	P
17-Jul-19	4	1258	CWD	10	SWL	2	24	ON	3RS ET	22.1751	113.9078	SUMMER	NONE	P
17-Jul-19	5	1326	CWD	4	SWL	2	371	ON	3RS ET	22.1927	113.9082	SUMMER	NONE	S
17-Jul-19	6	1339	CWD	3	SWL	2	143	ON	3RS ET	22.1977	113.9078	SUMMER	NONE	P
17-Jul-19	7	1355	CWD	1	SWL	2	35	ON	3RS ET	22.2089	113.8973	SUMMER	NONE	P
17-Jul-19	8	1446	CWD	5	SWL	2	88	ON	3RS ET	22.1830	113.8885	SUMMER	NONE	P
17-Jul-19	9	1519	CWD	2	SWL	3	23	ON	3RS ET	22.1913	113.8780	SUMMER	NONE	P
17-Jul-19	10	1552	CWD	6	SWL	3	97	ON	3RS ET	22.1784	113.8689	SUMMER	NONE	P
17-Jul-19	11	1645	CWD	3	SWL	3	233	ON	3RS ET	22.1922	113.8494	SUMMER	NONE	P
18-Jul-19	1	1220	CWD	8	SWL	2	435	ON	3RS ET	22.1798	113.9042	SUMMER	NONE	S
18-Jul-19	2	1238	CWD	3	SWL	2	16	ON	3RS ET	22.1894	113.9066	SUMMER	NONE	S
18-Jul-19	3	1315	CWD	11	SWL	2	24	ON	3RS ET	22.1780	113.8975	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
18-Jul-19	4	1409	CWD	9	SWL	2	403	ON	3RS ET	22.2013	113.8871	SUMMER	NONE	P
18-Jul-19	5	1514	CWD	2	SWL	2	31	ON	3RS ET	22.1785	113.8690	SUMMER	NONE	P
18-Jul-19	6	1527	CWD	2	SWL	2	68	ON	3RS ET	22.1850	113.8690	SUMMER	NONE	P
18-Jul-19	7	1542	CWD	1	SWL	2	462	ON	3RS ET	22.1978	113.8685	SUMMER	NONE	P
22-Jul-19	1	1035	CWD	1	NWL	2	131	ON	3RS ET	22.2771	113.8704	SUMMER	NONE	P
23-Jul-19	1	1031	CWD	7	WL	2	142	ON	3RS ET	22.2606	113.8539	SUMMER	NONE	P
23-Jul-19	2	1111	CWD	1	WL	2	85	ON	3RS ET	22.2447	113.8497	SUMMER	NONE	S
23-Jul-19	3	1126	CWD	4	WL	2	77	ON	3RS ET	22.2418	113.8423	SUMMER	NONE	P
23-Jul-19	4	1153	CWD	3	WL	2	1245	ON	3RS ET	22.2357	113.8252	SUMMER	NONE	S
23-Jul-19	5	1203	CWD	3	WL	2	107	ON	3RS ET	22.2325	113.8330	SUMMER	NONE	P
23-Jul-19	6	1230	CWD	3	WL	3	20	ON	3RS ET	22.2145	113.8282	SUMMER	NONE	P
23-Jul-19	7	1305	CWD	5	WL	2	123	ON	3RS ET	22.1962	113.8392	SUMMER	NONE	P
24-Jul-19	1	1129	CWD	2	NWL	2	217	ON	3RS ET	22.3800	113.8764	SUMMER	NONE	P
7-Aug-19	1	1500	CWD	2	SWL	2	511	ON	3RS ET	22.1883	113.8491	SUMMER	NONE	P
8-Aug-19	1	1029	CWD	10	WL	2	78	ON	3RS ET	22.2668	113.8594	SUMMER	NONE	S
8-Aug-19	2	1052	CWD	5	WL	2	272	ON	3RS ET	22.2600	113.8430	SUMMER	NONE	P
8-Aug-19	3	1120	CWD	1	WL	2	611	ON	3RS ET	22.2434	113.8488	SUMMER	NONE	S
8-Aug-19	4	1127	CWD	8	WL	2	836	ON	3RS ET	22.2415	113.8435	SUMMER	NONE	P
8-Aug-19	5	1211	CWD	2	WL	2	48	ON	3RS ET	22.2290	113.8379	SUMMER	NONE	S
8-Aug-19	6	1230	CWD	5	WL	2	413	ON	3RS ET	22.2136	113.8254	SUMMER	NONE	P
8-Aug-19	7	1250	CWD	6	WL	2	140	ON	3RS ET	22.2143	113.8344	SUMMER	NONE	P
8-Aug-19	8	1328	CWD	1	WL	2	333	ON	3RS ET	22.1890	113.8422	SUMMER	NONE	S
12-Aug-19	1	1051	CWD	1	NWL	3	472	ON	3RS ET	22.2794	113.8696	SUMMER	NONE	P
21-Aug-19	1	1039	CWD	3	WL	2	126	ON	3RS ET	22.2604	113.8523	SUMMER	NONE	P
21-Aug-19	2	1137	CWD	10	WL	2	501	ON	3RS ET	22.2340	113.8244	SUMMER	NONE	S
21-Aug-19	3	1203	CWD	5	WL	2	186	ON	3RS ET	22.2231	113.8360	SUMMER	NONE	P
21-Aug-19	4	1231	CWD	1	WL	2	21	ON	3RS ET	22.2144	113.8344	SUMMER	NONE	P
21-Aug-19	5	1251	CWD	7	WL	2	13	ON	3RS ET	22.2145	113.8355	SUMMER	NONE	P
21-Aug-19	6	1310	CWD	2	WL	2	162	ON	3RS ET	22.2057	113.8251	SUMMER	NONE	P
22-Aug-19	1	1106	FP	2	SWL	2	119	ON	3RS ET	22.1563	113.9277	SUMMER	NONE	P
22-Aug-19	2	1511	CWD	2	SWL	2	94	ON	3RS ET	22.1942	113.8492	SUMMER	NONE	P

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

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. June 2019 and July 2019) 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 August 2019 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 430.243 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 17 on-effort sightings and total number of 71 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in August 2019 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in August 2019

$$STG = \frac{17}{430.243} \times 100 = 3.95$$

Encounter Rate by Number of Dolphins (ANI) in August 2019

$$ANI = \frac{71}{430.243} \times 100 = 16.50$$

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

A total of 1259.561 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 62 on-effort sightings and total number of 248 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)

$$STG = \frac{62}{1259.561} \times 100 = 4.92$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{248}{1259.561} \times 100 = 19.69$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM033_20190808_1_3	NLMM056_20190808_1_1
	
NLMM067_20190808_1_3	SLMM064_20190808_1_3
	
WLMM051_20190808_1_4	WLMM100_20190808_1_13
	
WLMM122_20190808_1_10	NLMM040_20190808_2_14



NLMM041_20190808_2_10



NLMM046_20190808_2_6



WLMM030_20190808_4_13



WLMM081_20190808_4_7



WLMM082_20190808_4_3



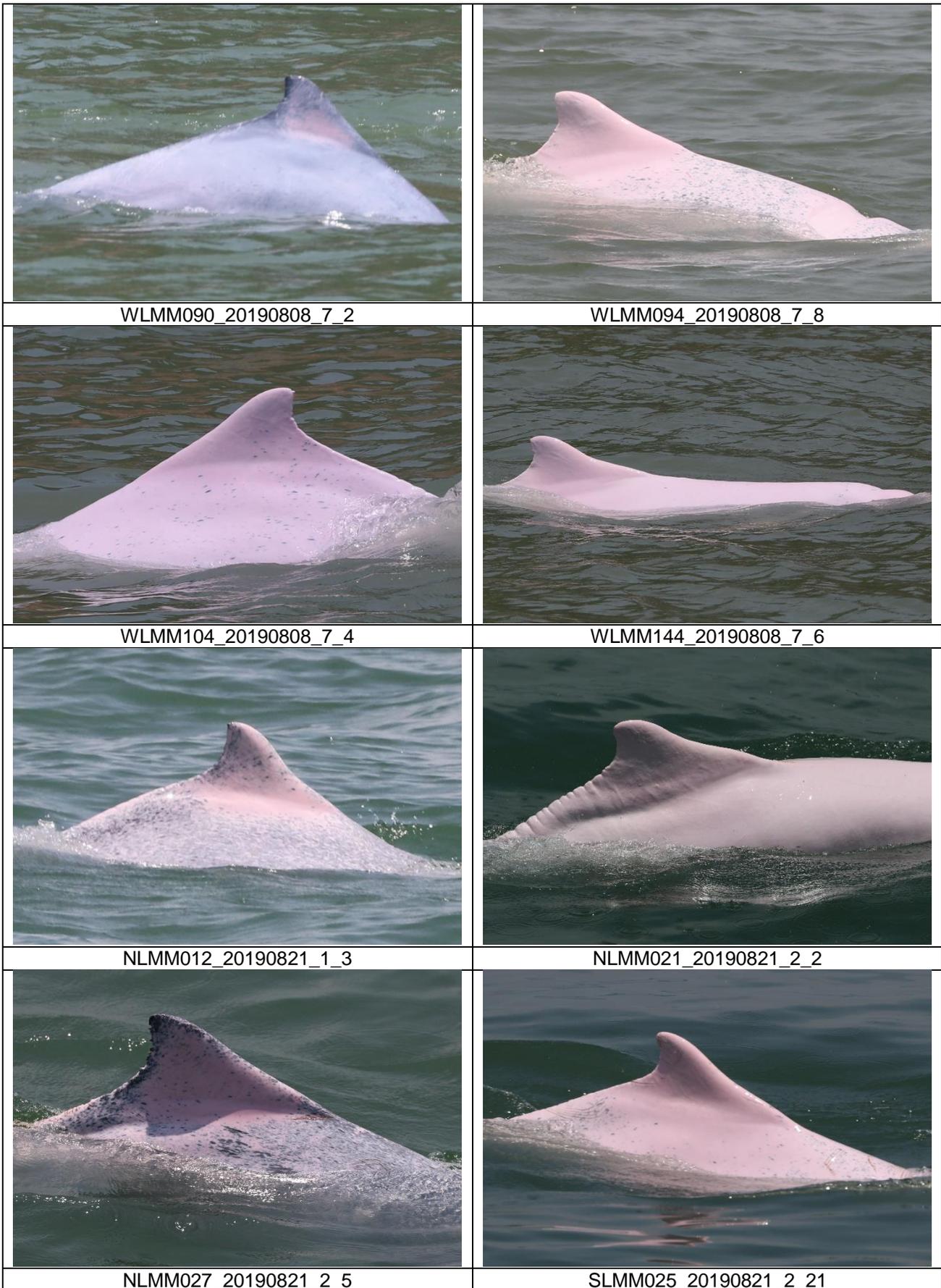
WLMM121_20190808_4_1

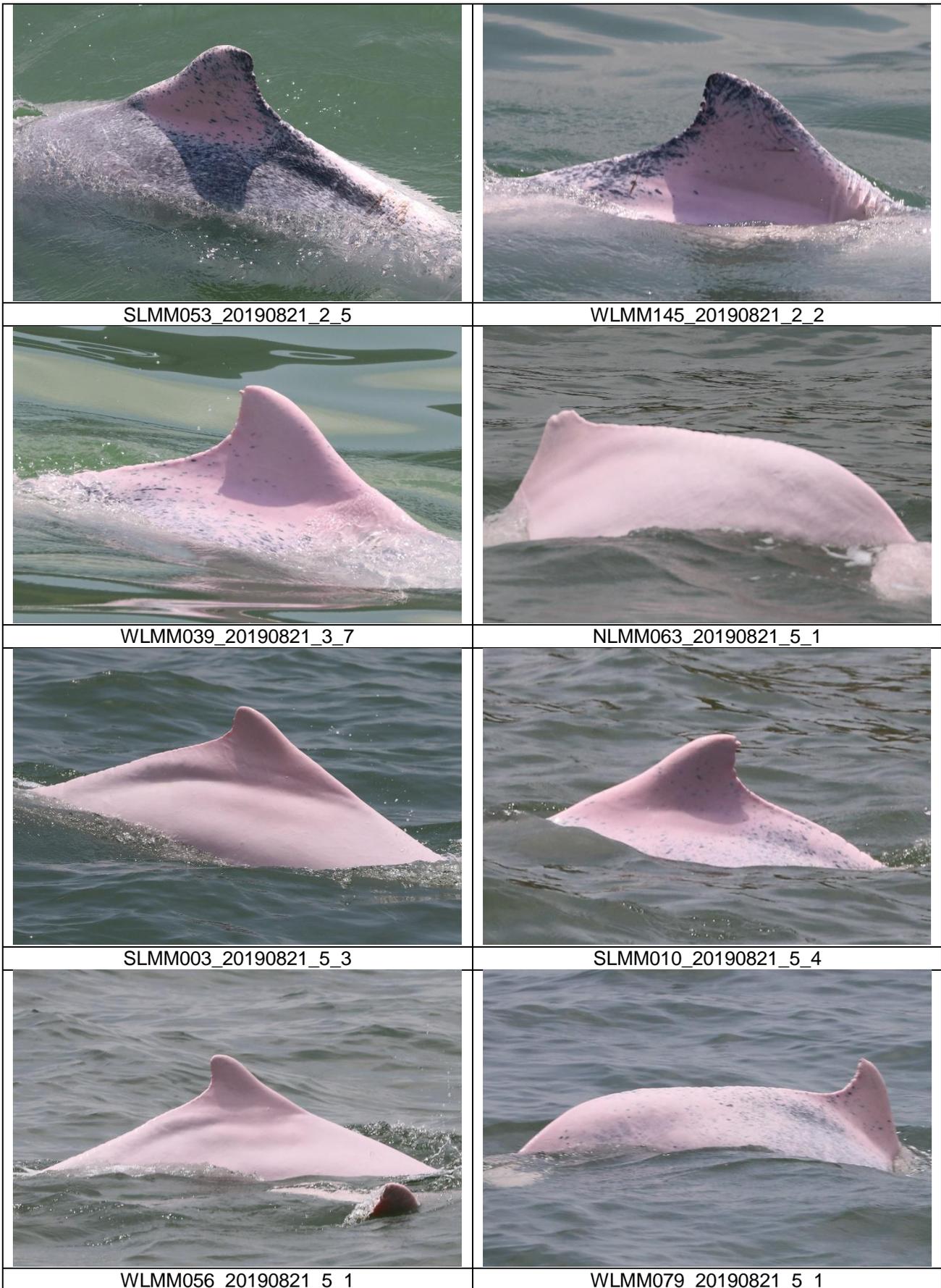


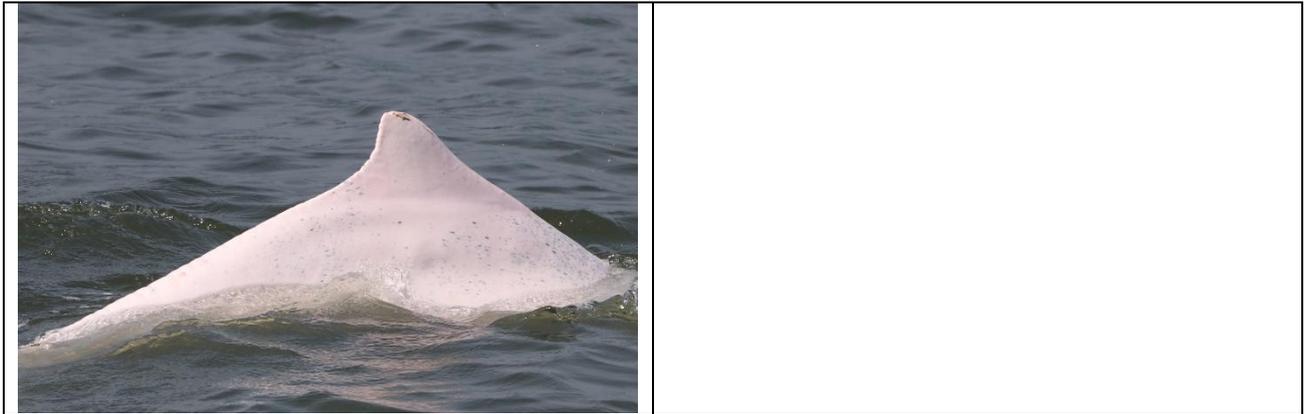
WLMM143_20190808_4_6



WLMM039_20190808_7_1_Right







SLMM072_20190822_2_10

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/Aug/19	Lung Kwu Chau	8:55	14:55	6:00	2-3	1-2	2	1-3
22/Aug/19	Lung Kwu Chau	8:50	14:50	6:00	2	2	3	1
27/Aug/19	Sha Chau	9:10	15:10	6:00	2-3	1-2	0	-

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