

Appendix D. Monitoring Results

Air Quality Monitoring Results

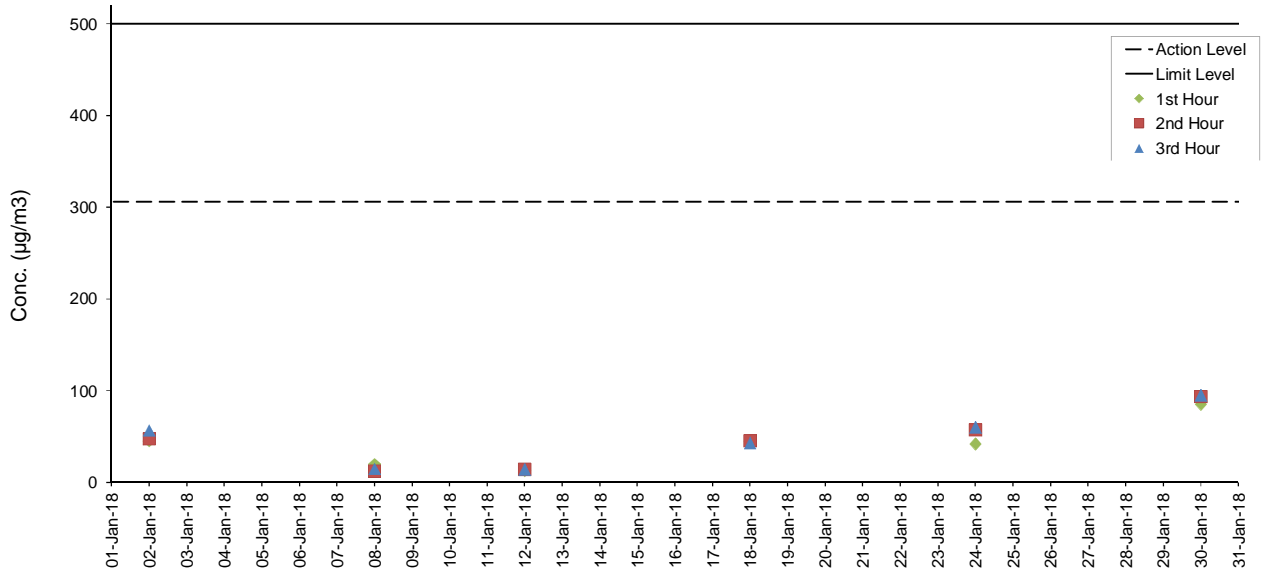
1-hour TSP Results**Station: AR1A- Man Tung Road Park**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
02-Jan-18	13:52	Cloudy	6.0	120	45	306	500
02-Jan-18	14:52	Cloudy	3.7	115	47	306	500
02-Jan-18	15:52	Cloudy	3.9	57	57	306	500
08-Jan-18	13:35	Rainy	10.9	331	20	306	500
08-Jan-18	14:35	Rainy	9.9	339	12	306	500
08-Jan-18	15:35	Rainy	10.0	346	15	306	500
12-Jan-18	13:00	Sunny	5.7	353	13	306	500
12-Jan-18	14:00	Sunny	3.8	49	14	306	500
12-Jan-18	15:00	Sunny	2.9	55	14	306	500
18-Jan-18	13:00	Sunny	3.7	272	45	306	500
18-Jan-18	14:00	Sunny	3.2	278	45	306	500
18-Jan-18	15:00	Sunny	4.2	271	43	306	500
24-Jan-18	13:00	Sunny	9.2	95	42	306	500
24-Jan-18	14:00	Sunny	9.3	95	57	306	500
24-Jan-18	15:00	Sunny	9.1	92	60	306	500
30-Jan-18	13:00	Cloudy	3.0	32	85	306	500
30-Jan-18	14:00	Cloudy	3.4	19	93	306	500
30-Jan-18	15:00	Cloudy	2.4	54	95	306	500

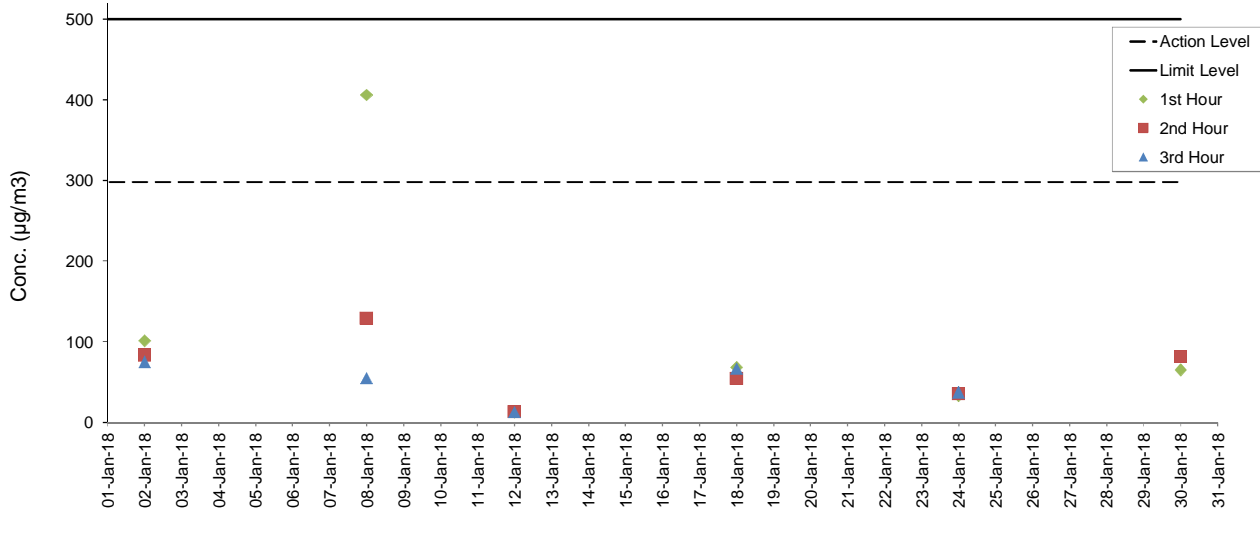
1-hour TSP Results**Station: AR2- Village House, Tin Sum**

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-Jan-18	08:51	Fine	3.3	73	101	298	500
02-Jan-18	09:51	Fine	4.0	97	83	298	500
02-Jan-18	10:51	Fine	6.9	86	75	298	500
08-Jan-18	09:00	Rainy	2.2	322	406	298	500
08-Jan-18	10:00	Rainy	4.7	319	129	298	500
08-Jan-18	11:00	Rainy	8.8	324	55	298	500
12-Jan-18	08:56	Sunny	5.8	31	12	298	500
12-Jan-18	09:56	Sunny	5.6	41	13	298	500
12-Jan-18	10:56	Sunny	5.3	18	13	298	500
18-Jan-18	08:50	Sunny	2.1	65	68	298	500
18-Jan-18	09:50	Sunny	2.4	47	54	298	500
18-Jan-18	10:50	Sunny	2.7	275	67	298	500
24-Jan-18	09:00	Sunny	9.4	104	33	298	500
24-Jan-18	10:00	Sunny	10.9	99	35	298	500
24-Jan-18	11:00	Sunny	11.8	110	37	298	500
30-Jan-18	08:53	Cloudy	4.5	11	65	298	500
30-Jan-18	09:53	Cloudy	3.4	6	81	298	500
30-Jan-18	10:53	Cloudy	4.6	43	70	298	500

AR1A 1-Hour TSP



AR2 1-Hour TSP



Noise Monitoring Results

Noise Monitoring Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured	Measured	L _{eq(30mins)} dB(A)	
			L ₁₀ dB(A)	L ₉₀ dB(A)		
02-Jan-18	Cloudy	14:20	71.5	55.5	72	
02-Jan-18	Cloudy	14:25	73.0	54.5		
02-Jan-18	Cloudy	14:30	71.0	54.0		
02-Jan-18	Cloudy	14:35	73.5	55.5		
02-Jan-18	Cloudy	14:40	71.5	55.5		
02-Jan-18	Cloudy	14:45	73.0	54.0	73	
12-Jan-18	Sunny	13:05	74.0	54.5		
12-Jan-18	Sunny	13:10	73.5	56.0		
12-Jan-18	Sunny	13:15	74.0	54.5		
12-Jan-18	Sunny	13:20	72.0	54.0		
12-Jan-18	Sunny	13:25	73.5	55.0		
12-Jan-18	Sunny	13:30	74.0	57.0	72	
18-Jan-18	Sunny	13:06	74.0	56.0		
18-Jan-18	Sunny	13:11	72.5	55.0		
18-Jan-18	Sunny	13:16	69.5	55.0		
18-Jan-18	Sunny	13:21	73.0	55.5		
18-Jan-18	Sunny	13:26	71.5	54.0	72	
18-Jan-18	Sunny	13:31	73.0	56.5		
24-Jan-18	Sunny	13:12	72.5	56.5		
24-Jan-18	Sunny	13:17	72.5	55.5		
24-Jan-18	Sunny	13:22	71.5	56.0		
24-Jan-18	Sunny	13:27	72.5	55.5	72	
24-Jan-18	Sunny	13:32	72.5	57.5		
24-Jan-18	Sunny	13:37	73.5	58.5		
30-Jan-18	Cloudy	15:20	70.0	55.0		72
30-Jan-18	Cloudy	15:25	72.0	56.5		
30-Jan-18	Cloudy	15:30	73.0	57.0		
30-Jan-18	Cloudy	15:35	73.0	56.5		
30-Jan-18	Cloudy	15:40	73.0	56.5		
30-Jan-18	Cloudy	15:45	72.5	57.5		

Remarks:

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

Noise Monitoring Results
Station: NM3A- Site Office

Date	Weather	Time	Measured	Measured	L _{eq(30mins)} dB(A)	
			L ₁₀ dB(A)	L ₉₀ dB(A)		
02-Jan-18	Cloudy	09:05	70.0	55.0	63	
02-Jan-18	Cloudy	09:10	70.0	55.0		
02-Jan-18	Cloudy	09:15	69.5	59.5		
02-Jan-18	Cloudy	09:20	70.5	59.5		
02-Jan-18	Cloudy	09:25	68.5	59.5		
02-Jan-18	Cloudy	09:30	70.5	59.0	63	
08-Jan-18	Cloudy	09:36	65.0	60.0		
08-Jan-18	Cloudy	09:41	65.0	60.0		
08-Jan-18	Cloudy	09:46	67.5	59.5		
08-Jan-18	Cloudy	09:51	67.5	59.5		
08-Jan-18	Cloudy	09:56	65.5	59.5	61	
08-Jan-18	Cloudy	10:01	67.0	59.5		
18-Jan-18	Sunny	09:35	66.5	59.0		
18-Jan-18	Sunny	09:40	65.5	58.5		
18-Jan-18	Sunny	09:45	68.0	59.0		
18-Jan-18	Sunny	09:50	71.0	59.5	61	
18-Jan-18	Sunny	09:55	69.5	59.5		
18-Jan-18	Sunny	10:00	70.5	59.5		
26-Jan-18	Cloudy	09:58	68.5	58.0		61
26-Jan-18	Cloudy	10:03	67.5	58.0		
26-Jan-18	Cloudy	10:08	69.0	58.5		
26-Jan-18	Cloudy	10:13	67.0	58.5		
26-Jan-18	Cloudy	10:18	70.5	58.5		
26-Jan-18	Cloudy	10:23	71.0	58.5	63	
30-Jan-18	Cloudy	09:29	70.5	54.5		
30-Jan-18	Cloudy	09:34	71.0	55.0		
30-Jan-18	Cloudy	09:39	72.0	56.5		
30-Jan-18	Cloudy	09:44	68.5	55.0		
30-Jan-18	Cloudy	09:49	65.0	54.0	63	
30-Jan-18	Cloudy	09:54	70.5	52.5		

Noise Monitoring Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₉₀ dB(A)	
02-Jan-18	Fine	14:49	63.0	57.5	63
02-Jan-18	Fine	14:54	62.0	57.0	
02-Jan-18	Fine	14:59	61.5	57.0	
02-Jan-18	Fine	15:04	62.0	57.5	
02-Jan-18	Fine	15:09	62.0	57.5	
02-Jan-18	Fine	15:14	63.0	58.0	
12-Jan-18	Sunny	14:14	62.0	57.5	64
12-Jan-18	Sunny	14:19	63.0	57.5	
12-Jan-18	Sunny	14:24	62.5	56.5	
12-Jan-18	Sunny	14:29	62.5	58.0	
12-Jan-18	Sunny	14:34	62.5	57.5	
12-Jan-18	Sunny	14:39	63.0	57.5	
18-Jan-18	Fine	13:58	64.0	59.5	66
18-Jan-18	Fine	14:03	66.0	60.0	
18-Jan-18	Fine	14:08	65.5	59.5	
18-Jan-18	Fine	14:13	65.0	59.5	
18-Jan-18	Fine	14:18	66.5	60.0	
18-Jan-18	Fine	14:23	64.0	58.5	
24-Jan-18	Sunny	14:04	64.0	59.5	65
24-Jan-18	Sunny	14:09	63.0	60.0	
24-Jan-18	Sunny	14:14	64.5	60.0	
24-Jan-18	Sunny	14:19	63.5	59.5	
24-Jan-18	Sunny	14:24	65.0	60.5	
24-Jan-18	Sunny	14:29	64.0	60.5	
30-Jan-18	Cloudy	13:52	64.5	58.0	65
30-Jan-18	Cloudy	13:57	63.0	58.0	
30-Jan-18	Cloudy	14:02	65.5	59.0	
30-Jan-18	Cloudy	14:07	64.5	60.0	
30-Jan-18	Cloudy	14:12	64.0	58.5	
30-Jan-18	Cloudy	14:17	63.5	58.5	

Remarks:

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

Noise Monitoring Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₉₀ dB(A)	
02-Jan-18	Cloudy	09:30	56.0	50.0	58
02-Jan-18	Cloudy	09:35	58.0	50.0	
02-Jan-18	Cloudy	09:40	60.5	50.0	
02-Jan-18	Cloudy	09:45	59.0	49.5	
02-Jan-18	Cloudy	09:50	59.0	51.0	
02-Jan-18	Cloudy	09:55	56.0	50.0	
12-Jan-18	Sunny	09:30	62.5	54.5	57
12-Jan-18	Sunny	09:35	60.0	52.5	
12-Jan-18	Sunny	09:40	61.0	52.5	
12-Jan-18	Sunny	09:45	59.5	52.0	
12-Jan-18	Sunny	09:50	59.0	51.5	
12-Jan-18	Sunny	09:55	58.5	50.5	
18-Jan-18	Sunny	09:26	64.0	49.0	61
18-Jan-18	Sunny	09:31	59.0	50.5	
18-Jan-18	Sunny	09:36	54.0	49.0	
18-Jan-18	Sunny	09:41	55.0	49.0	
18-Jan-18	Sunny	09:46	55.0	47.0	
18-Jan-18	Sunny	09:51	65.5	49.0	
24-Jan-18	Sunny	09:27	63.0	54.0	57
24-Jan-18	Sunny	09:32	60.0	51.5	
24-Jan-18	Sunny	09:37	59.0	50.5	
24-Jan-18	Sunny	09:42	59.5	51.0	
24-Jan-18	Sunny	09:47	60.5	51.5	
24-Jan-18	Sunny	09:52	63.5	52.0	
30-Jan-18	Cloudy	09:29	58.0	49.5	53
30-Jan-18	Cloudy	09:34	59.5	51.0	
30-Jan-18	Cloudy	09:39	60.5	51.5	
30-Jan-18	Cloudy	09:44	60.0	51.0	
30-Jan-18	Cloudy	09:49	59.5	49.5	
30-Jan-18	Cloudy	09:54	59.0	48.0	

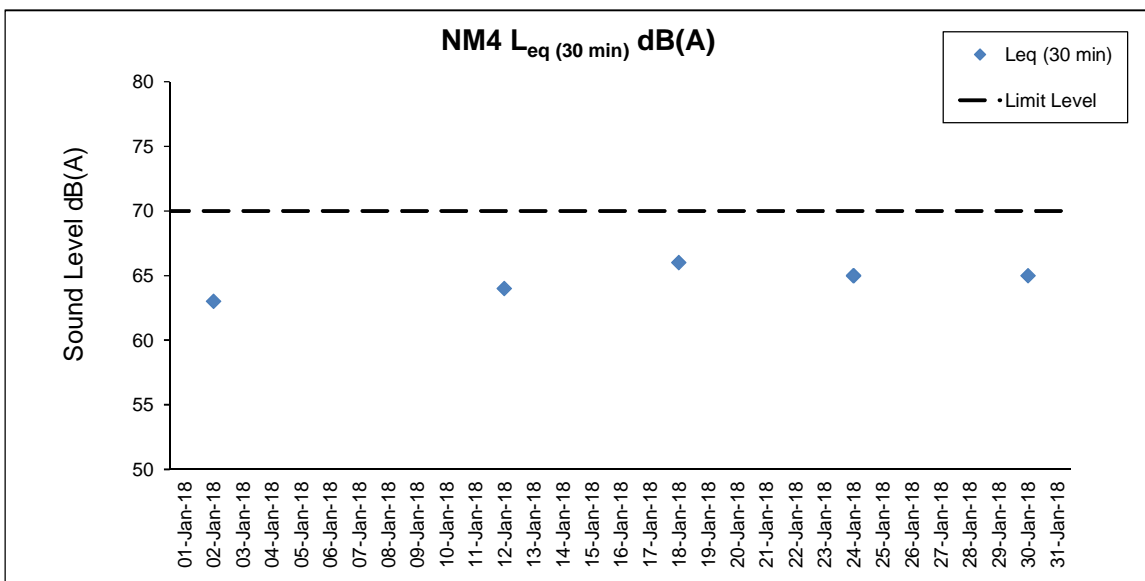
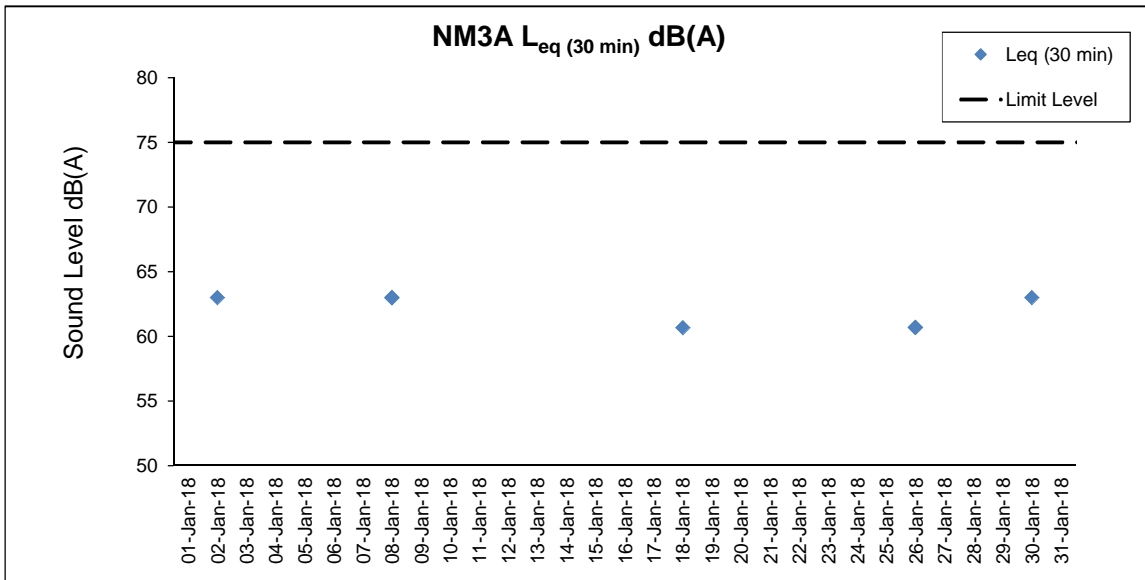
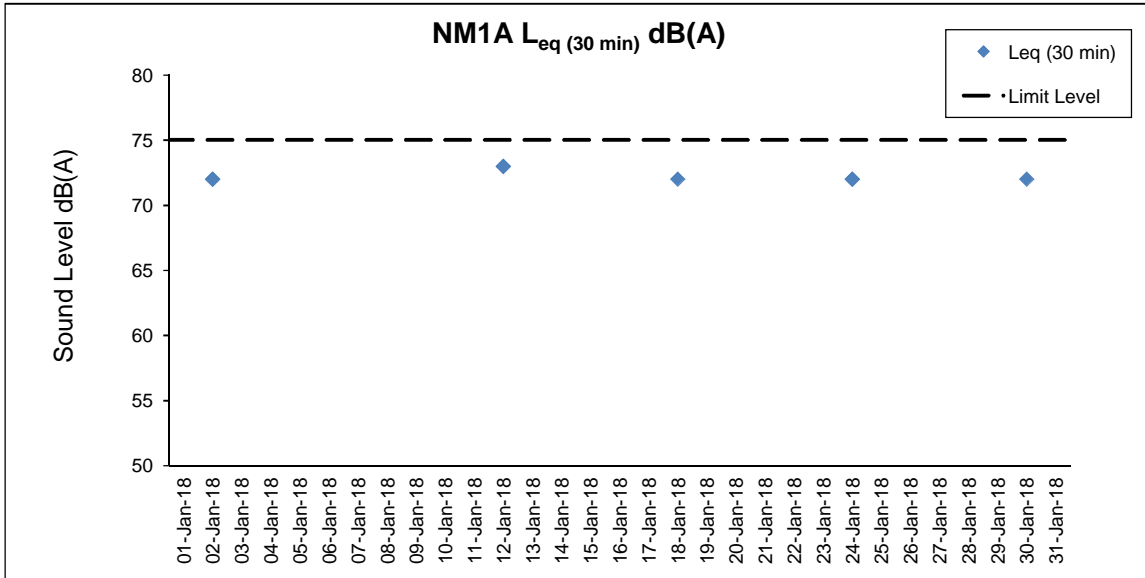
Remarks:

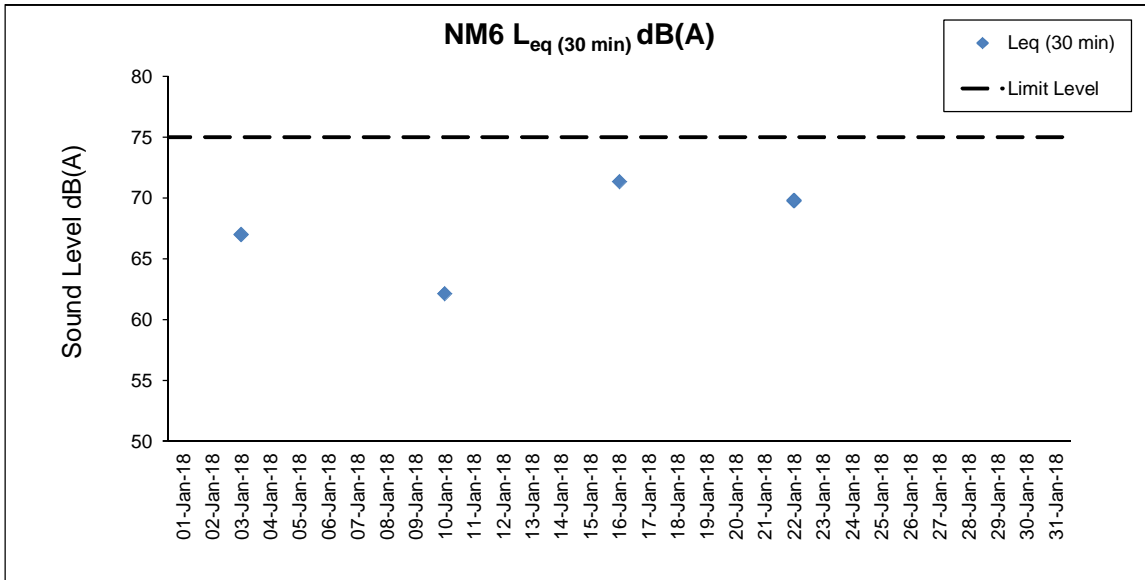
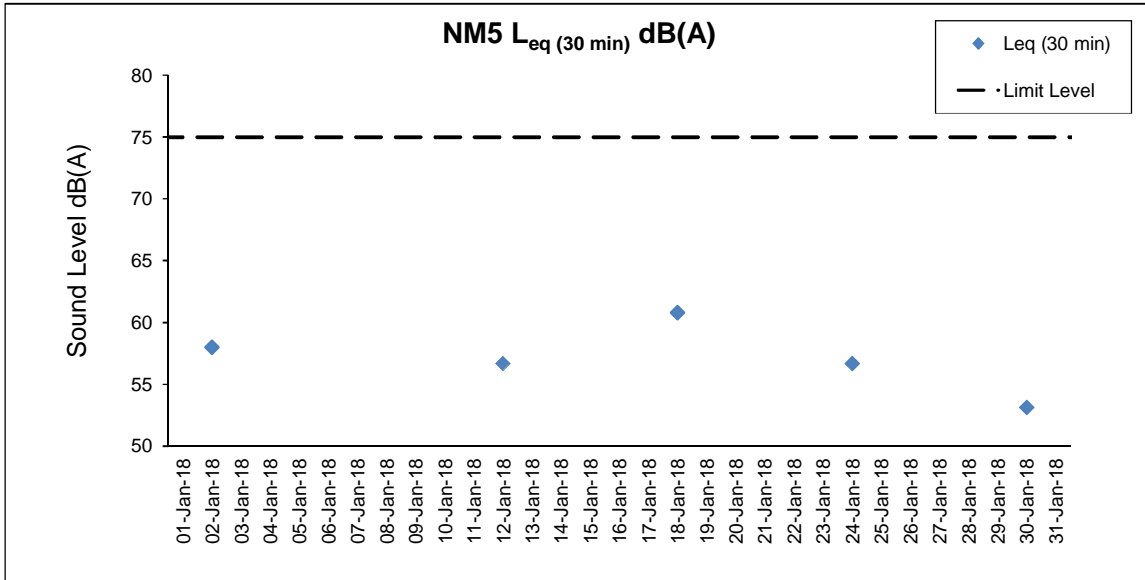
+3dB (A) correction was applied to free-field measurement.

Noise Monitoring Results
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
03-Jan-18	Fine	09:42	65.5	52.5	67
03-Jan-18	Fine	09:47	70.0	52.5	
03-Jan-18	Fine	09:52	68.5	54.5	
03-Jan-18	Fine	09:57	65.0	52.0	
03-Jan-18	Fine	10:02	67.0	53.5	
03-Jan-18	Fine	10:07	70.5	60.0	
10-Jan-18	Sunny	09:40	70.5	55.5	62
10-Jan-18	Sunny	09:45	71.5	60.5	
10-Jan-18	Sunny	09:50	69.0	57.5	
10-Jan-18	Sunny	09:55	69.0	57.0	
10-Jan-18	Sunny	10:00	70.0	56.0	
10-Jan-18	Sunny	10:05	71.0	56.0	
16-Jan-18	Sunny	09:42	75.5	49.5	71
16-Jan-18	Sunny	09:47	74.0	50.0	
16-Jan-18	Sunny	09:52	77.0	50.5	
16-Jan-18	Sunny	09:57	73.5	51.5	
16-Jan-18	Sunny	10:02	71.0	49.5	
16-Jan-18	Sunny	10:07	73.0	50.5	
22-Jan-18	Haze	09:42	70.0	51.5	70
22-Jan-18	Haze	09:47	71.0	52.0	
22-Jan-18	Haze	09:52	76.0	50.5	
22-Jan-18	Haze	09:57	73.0	48.0	
22-Jan-18	Haze	10:02	76.5	48.5	
22-Jan-18	Haze	10:07	72.5	51.0	

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





Water Quality Monitoring Results

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

Water Quality Monitoring Results on 02 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value
C1	Fine	Moderate	12:32	8.7	Surface	1.0	0.1	147	18.2	18.2	8.1	8.1	29.7	29.7	97.8	97.8	7.7	7.7	12.4	12.4	10	73	75	815635	804219	<0.2	1.0	1.3	1.0	
						1.0	0.1	159	18.2	8.1	8.1	29.7	29.7	97.8	97.8	7.7	7.7	12.4	12.4	11	75	75	75	<0.2	1.0					
					Middle	4.4	0.1	183	17.8	17.8	8.1	8.1	30.7	30.7	96.8	96.8	7.7	7.7	19.0	19.0	11	73	75	75	<0.2	1.0				
						4.4	0.1	192	17.8	17.8	8.1	8.1	30.7	30.7	96.8	96.8	7.7	7.7	19.0	19.0	11	76	76	76	<0.2	1.0				
					Bottom	7.7	0.1	218	17.9	17.9	8.1	8.1	30.9	30.9	97.1	97.1	7.7	7.7	24.8	24.8	21	76	76	76	<0.2	1.9				
						7.7	0.1	237	17.9	17.9	8.1	8.1	30.9	30.9	97.1	97.1	7.7	7.7	24.6	24.6	21	76	76	76	<0.2	2.0				
C2	Cloudy	Moderate	11:41	11.8	Surface	1.0	0.1	242	18.7	18.7	8.1	8.1	27.1	27.1	97.6	97.6	7.8	7.8	9.1	9.1	9	72	74	825664	806930	<0.2	1.6	1.3	1.4	
						1.0	0.1	256	18.7	18.7	8.1	8.1	27.1	27.1	97.7	97.7	7.8	7.8	9.0	9.0	9	72	74	74	<0.2	1.4				
					Middle	5.9	0.1	64	18.6	18.6	8.1	8.1	27.5	27.5	97.7	97.7	7.8	7.8	9.4	9.4	9	74	74	74	<0.2	1.4				
						5.9	0.1	64	18.6	18.6	8.1	8.1	27.5	27.5	97.7	97.7	7.8	7.8	9.5	9.5	9	74	74	74	<0.2	1.4				
					Bottom	10.8	0.3	74	18.6	18.6	8.1	8.1	28.5	28.5	97.9	97.9	7.7	7.7	12.4	12.4	12	76	76	76	<0.2	1.1				
						10.8	0.3	78	18.6	18.6	8.1	8.1	28.5	28.5	97.9	97.9	7.7	7.7	12.4	12.4	12	75	75	75	<0.2	1.0				
C3	Cloudy	Moderate	13:36	11.5	Surface	1.0	0.4	76	18.6	18.6	8.2	8.2	29.4	29.4	98.1	98.1	7.7	7.7	6.0	6.0	11	72	74	822079	817809	<0.2	1.2	1.3	1.2	
						1.0	0.4	79	18.6	18.6	8.1	8.1	29.4	29.4	98.0	98.0	7.7	7.7	6.0	6.0	11	72	74	74	<0.2	1.2				
					Middle	5.8	0.3	96	18.6	18.6	8.1	8.1	29.4	29.4	96.8	96.8	7.6	7.6	6.3	6.3	10	74	74	74	<0.2	1.6				
						5.8	0.4	104	18.6	18.6	8.1	8.1	29.4	29.4	96.8	96.8	7.6	7.6	6.4	6.4	10	74	74	74	<0.2	1.3				
					Bottom	10.5	0.4	111	18.6	18.6	8.1	8.1	29.4	29.4	96.4	96.4	7.6	7.6	12.0	12.0	11	76	76	76	<0.2	1.2				
						10.5	0.4	120	18.6	18.6	8.1	8.1	29.4	29.4	96.4	96.4	7.6	7.6	12.1	12.1	11	76	76	76	<0.2	1.3				
IM1	Fine	Moderate	12:14	7.5	Surface	1.0	0.1	91	18.2	18.2	8.1	8.1	30.1	30.1	98.9	98.9	7.8	7.8	11.0	11.0	13	72	74	818338	806477	<0.2	1.7	1.6	1.6	
						1.0	0.1	95	18.2	18.2	8.1	8.1	30.1	30.1	98.9	98.9	7.8	7.8	11.0	11.0	13	73	73	73	<0.2	1.6				
					Middle	3.8	0.1	59	17.9	17.9	8.1	8.1	30.4	30.4	98.1	98.1	7.8	7.8	12.6	12.6	14	74	74	74	<0.2	1.7				
						3.8	0.1	60	17.9	17.9	8.1	8.1	30.4	30.4	98.1	98.1	7.8	7.8	12.6	12.6	14	74	74	74	<0.2	1.8				
					Bottom	6.5	0.1	29	17.9	17.9	8.1	8.1	30.5	30.5	98.5	98.5	7.8	7.8	14.8	14.8	15	75	75	75	<0.2	1.4				
						6.5	0.1	29	17.9	17.9	8.1	8.1	30.5	30.5	98.5	98.5	7.8	7.8	14.8	14.8	14	75	75	75	<0.2	1.3				
IM2	Fine	Moderate	12:09	8.5	Surface	1.0	0.1	0	18.2	18.2	8.1	8.1	29.8	29.8	98.5	98.5	7.8	7.8	12.1	12.1	9	73	74	818843	806194	<0.2	1.9	1.6	1.7	
						1.0	0.2	0	18.2	18.2	8.1	8.1	29.8	29.8	98.5	98.5	7.8	7.8	12.1	12.1	7	73	73	73	<0.2	1.7				
					Middle	4.3	0.2	30	17.9	17.9	8.1	8.1	30.5	30.5	97.4	97.4	7.7	7.7	16.2	16.2	8	74	74	74	<0.2	1.4				
						4.3	0.2	30	17.9	17.9	8.1	8.1	30.5	30.5	97.4	97.4	7.7	7.7	16.2	16.2	10	74	74	74	<0.2	1.7				
					Bottom	7.5	0.1	10	17.9	17.9	8.1	8.1	30.6	30.6	97.7	97.7	7.7	7.7	16.8	16.8	16	75	75	75	<0.2	1.6				
						7.5	0.1	10	17.9	17.9	8.1	8.1	30.6	30.6	97.7	97.7	7.7	7.7	16.8	16.8	17	76	76	76	<0.2	1.3				
IM3	Fine	Moderate	12:03	8.9	Surface	1.0	0.2	30	18.2	18.2	8.1	8.1	29.9	29.9	98.4	98.4	7.8	7.8	14.3	14.3	11	73	74	819386	806042	<0.2	1.7	1.5	1.7	
						1.0	0.2	30	18.2	18.2	8.1	8.1	29.9	29.9	98.4	98.4	7.8	7.8	14.3	14.3	10	73	73	73	<0.2	1.6				
					Middle	4.5	0.1	21	17.9	17.9	8.1	8.1	30.6	30.6	97.2	97.2	7.7	7.7	20.6	20.6	11	74	74	74	<0.2	1.5				
						4.5	0.1	21	17.9	17.9	8.1	8.1	30.6	30.6	97.2	97.2	7.7	7.7	20.6	20.6	11	74	74	74	<0.2	1.7				
					Bottom	7.9	0.1	20	17.9	17.9	8.1	8.1	30.7	30.7	97.1	97.1	7.7	7.7	26.3	26.3	24	76	76	76	<0.2	1.3				
						7.9	0.1	20	17.9	17.9	8.1	8.1	30.7	30.7	97.1	97.1	7.7	7.7	26.1	26.1	26	76	76	76	<0.2	1.3				
IM4	Fine	Moderate	11:54	7.9	Surface	1.0	0.1	25	18.2	18.2	8.1	8.1	30.2	30.2	98.8	98.8	7.8	7.8	13.8	13.8	11	73	73	819583	805022	<0.2	1.6	1.5	1.5	
						1.0	0.1	27	18.2	18.2	8.1	8.1	30.2	30.2	98.8	98.8	7.8	7.8	13.8	13.8	12	73	73	73	<0.2	1.6				
					Middle	4.0	0.1	327	17.9	17.9	8.1	8.1	30.7	30.7	97.1	97.1	7.7	7.7	21.3	21.3	13	75	75	75	<0.2	1.5				
						4.0	0.1	354	17.9	17.9	8.1	8.1	30.7	30.7	97.1	97.1	7.7	7.7	21.3	21.3	15	75	75	75	<0.2	1.6				
					Bottom	6.9	0.1	9	17.9	17.9	8.1	8.1	30.7	30.7	97.2	97.2	7.7	7.7	29.6	29.6	15	76	76	76	<0.2	1.5				
						6.9	0.1	9	17.9	17.9	8.1	8.1	30.7	30.7	97.2	97.2	7.7	7.7	29.6	29.6	14	76	76	76	<0.2	1.4				
IM5	Fine	Moderate	11:45	7.1	Surface	1.0	0.2	18	18.2	18.2	8.1	8.1	30.4	30.4	98.8	98.8	7.8	7.8	13.1	13.1	10	72	74	820547	804944	<0.2	1.5	1.4	1.5	
						1.0	0.2	18	18.2	18.2	8.1	8.1	30.4	30.4	98.8	98.8	7.8	7.8	13.1	13.1	10	73	73	73	<0.2	1.3				
					Middle	3.6	0.2	7	17.9	17.9	8.1	8.1	30.8	30.8	97.6	97.6	7.7	7.7	15.6	15.6	10	74	74	74	<0.2	1.5				
						3.6	0.2	7	17.9	17.9	8.1	8.1	30.8	30.8	97.6	97.6	7.7	7.7	15.6	15.6	11	74	74	74	<0.2	1.4				
					Bottom	6.1	0.1	350	17.9	17.9	8.1	8.1	30.9	30.9	97.7	97.7	7.7	7.7	17.6	17.6	14	75	75	75	<0.2	1.2				
						6.1	0.1	322	17.9	17.9	8.1	8.1	30.9	30.9	97.7	97.7	7.7	7.7	17.6	17.6	12	75	75	75	<0.2	1.2				
IM6	Fine	Moderate	11:37	7.0	Surface	1.0	0.1	18	18.0	18.0	8.1	8.1	30.6	30.6	98.8	98.8	7.8	7.8	10.5	10.5	10	73	74	821057	805840	<0.2	1.3	1.4	1.4	
						1.0	0.1	19	18.0	18.0	8.1	8.1	30.6	30.6	98.8	98.8	7.8	7.8	10.5	10.5	9	73	73	73	<0.2	1.4				
					Middle	3.5	0.1	3	18.0	18.0	8.1	8.1	30.6	30.6	98.5	98.5	7.8	7.8	11.7	11.7	10	73	73	73	<0.2	1.3				
						3.5	0.1	3	18.0	18.0	8.1	8.1	30.6	30.6	98.5	98.5	7.8	7.8	11.7	11.7	9	74	74	74	<0.2	1.5				
					Bottom	6.0	0.1	28	17.9	17.9	8.1	8.1	30.6	3																

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

Water Quality Monitoring Results on 02 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	12:19	7.2	Surface	1.0	0.1	123	18.6	18.6	8.2	8.2	29.4	29.4	99.4	99.4	7.8	7.8	10.5	10.4	10	9	72	74	822074	808788	<0.2	1.4	1.4	1.5				
						1.0	0.1	130	18.6	8.2	8.2	29.4	29.4	99.4	99.4	7.8	7.8	10.5	10.4	8	9	73	74	<0.2	1.3	1.6	1.5							
					Middle	3.6	0.1	80	18.4	18.4	8.2	8.2	29.5	29.5	98.9	98.9	7.8	7.8	10.5	10.4	10	9	74	74	<0.2	1.6	1.6	1.5	1.5					
						3.6	0.2	84	18.4	18.4	8.2	8.2	29.5	29.5	98.9	98.9	7.8	7.8	10.5	10.4	9	9	74	74	<0.2	1.6	1.6	1.5	1.5					
					Bottom	6.2	0.2	57	18.4	18.4	8.2	8.2	29.5	29.5	99.2	99.2	7.8	7.8	10.3	10.3	10	9	76	76	<0.2	1.4	1.4	1.5	1.5					
						6.2	0.2	57	18.4	18.4	8.2	8.2	29.5	29.5	99.1	99.1	7.8	7.8	10.3	10.3	8	9	76	76	<0.2	1.4	1.4	1.5	1.5					
IM10	Cloudy	Moderate	12:29	8.4	Surface	1.0	0.4	98	18.6	18.6	8.2	8.2	29.3	29.3	99.1	99.1	7.8	7.8	10.2	10.8	9	10	73	74	822236	809849	<0.2	1.4	1.4	1.5				
						1.0	0.4	103	18.6	18.6	8.2	8.2	29.3	29.3	99.0	99.0	7.8	7.8	10.3	10.8	8	10	72	74	<0.2	1.6	1.6	1.5						
					Middle	4.2	0.4	102	18.3	18.3	8.2	8.2	29.6	29.6	98.2	98.3	7.7	7.7	10.3	10.8	9	10	74	74	<0.2	1.6	1.6	1.5	1.5					
						4.2	0.4	112	18.3	18.3	8.2	8.2	29.6	29.6	98.3	98.3	7.7	7.7	10.3	10.8	9	10	74	74	<0.2	1.5	1.5	1.5	1.5					
					Bottom	7.4	0.3	111	18.3	18.3	8.2	8.2	29.6	29.6	98.3	98.3	7.7	7.7	11.8	11.8	12	10	76	76	<0.2	1.4	1.4	1.5	1.5					
						7.4	0.3	114	18.3	18.3	8.2	8.2	29.6	29.6	98.3	98.3	7.8	7.8	11.9	11.9	10	10	76	76	<0.2	1.6	1.6	1.5	1.5					
IM11	Cloudy	Moderate	12:39	8.3	Surface	1.0	0.3	110	18.6	18.6	8.3	8.3	29.1	29.1	98.4	98.4	7.7	7.7	11.5	12.0	10	11	72	74	821519	810551	<0.2	1.7	1.7	1.6				
						1.0	0.3	120	18.6	18.6	8.3	8.3	29.1	29.1	98.4	98.4	7.7	7.7	11.4	12.0	9	11	72	74	<0.2	1.5	1.5	1.6						
					Middle	4.2	0.3	92	18.5	18.5	8.3	8.3	29.2	29.2	98.4	98.4	7.8	7.8	11.9	12.0	12	11	74	74	<0.2	1.6	1.6	1.6	1.6					
						4.2	0.3	98	18.5	18.5	8.3	8.3	29.2	29.2	98.4	98.4	7.8	7.8	12.0	12.0	13	11	74	74	<0.2	1.6	1.6	1.6	1.6					
					Bottom	7.3	0.3	81	18.4	18.4	8.2	8.2	29.6	29.6	98.6	98.6	7.8	7.8	12.6	12.6	12	11	76	76	<0.2	1.6	1.6	1.6	1.6					
						7.3	0.3	83	18.4	18.4	8.2	8.2	29.6	29.6	98.6	98.6	7.8	7.8	12.7	12.7	12	11	76	76	<0.2	1.6	1.6	1.6	1.6					
IM12	Cloudy	Moderate	12:48	8.8	Surface	1.0	0.3	83	18.6	18.6	8.2	8.2	29.1	29.1	98.8	98.8	7.8	7.8	10.8	10.7	9	10	72	74	821147	811529	<0.2	1.6	1.6	1.7				
						1.0	0.4	86	18.6	18.6	8.2	8.2	29.1	29.1	98.8	98.8	7.8	7.8	10.9	10.7	10	10	74	74	<0.2	1.7	1.7	1.7						
					Middle	4.4	0.5	89	18.6	18.6	8.2	8.2	29.2	29.2	98.9	98.9	7.8	7.8	12.6	12.6	10	10	74	74	<0.2	1.5	1.5	1.7	1.7					
						4.4	0.5	93	18.6	18.6	8.2	8.2	29.2	29.2	98.9	98.9	7.8	7.8	12.6	12.6	9	10	74	74	<0.2	1.8	1.8	1.7	1.7					
					Bottom	7.8	0.3	105	18.4	18.4	8.1	8.1	29.7	29.7	98.6	98.6	7.8	7.8	8.7	8.7	11	10	76	76	<0.2	1.8	1.8	1.7	1.7					
						7.8	0.3	108	18.4	18.4	8.1	8.1	29.7	29.7	98.6	98.6	7.8	7.8	8.8	8.8	10	10	76	76	<0.2	1.7	1.7	1.7	1.7					
SR2	Cloudy	Moderate	13:15	3.6	Surface	1.0	0.3	80	18.5	18.5	8.1	8.1	29.7	29.7	99.2	99.2	7.8	7.8	6.1	6.2	10	9	72	73	821458	814190	<0.2	1.6	1.6	1.4				
						1.0	0.3	85	18.5	18.5	8.1	8.1	29.7	29.7	99.2	99.2	7.8	7.8	6.1	6.2	9	9	72	73	<0.2	1.2	1.2	1.4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.6	0.2	83	18.5	18.5	8.1	8.1	29.7	29.7	99.4	99.4	7.8	7.8	6.3	6.4	8	9	73	73	<0.2	1.3	1.3	1.4	1.4					
						2.6	0.2	88	18.5	18.5	8.1	8.1	29.7	29.7	99.3	99.3	7.8	7.8	6.4	6.4	9	9	73	73	<0.2	1.3	1.3	1.4	1.4					
SR3	Cloudy	Moderate	12:04	9.0	Surface	1.0	0.3	94	18.5	18.5	8.1	8.1	27.9	27.9	99.1	99.2	7.9	7.9	10.0	12.1	9	10	-	-	822141	807547	-	-	-	-				
						1.0	0.3	94	18.5	18.5	8.1	8.1	27.9	27.9	99.2	99.2	7.9	7.9	10.1	12.1	11	10	-	-	-	-	-	-	-	-	-			
					Middle	4.5	0.3	81	18.4	18.4	8.1	8.1	28.0	28.0	98.9	98.9	7.9	7.9	12.5	12.6	9	10	-	-	-	-	-	-	-	-	-	-	-	
						4.5	0.3	86	18.4	18.4	8.1	8.1	28.0	28.0	98.9	98.9	7.9	7.9	12.6	12.6	11	10	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	8.0	0.4	75	18.3	18.3	8.1	8.1	28.1	28.1	99.1	99.1	7.9	7.9	13.5	13.5	11	10	-	-	-	-	-	-	-	-	-	-	-	-
						8.0	0.4	81	18.3	18.3	8.1	8.1	28.1	28.1	99.0	99.0	7.9	7.9	13.6	13.6	11	10	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Fine	Calm	12:53	8.5	Surface	1.0	0.4	89	18.1	18.1	8.1	8.1	30.6	30.6	99.6	99.6	7.8	7.8	9.0	9.2	11	13	-	-	817185	807810	-	-	-	-				
						1.0	0.4	92	18.1	18.1	8.1	8.1	30.6	30.6	99.6	99.6	7.8	7.8	9.0	9.2	11	13	-	-	-	-	-	-	-	-	-			
					Middle	4.3	0.4	82	18.1	18.1	8.1	8.1	30.6	30.6	99.2	99.2	7.8	7.8	9.2	9.2	14	13	-	-	-	-	-	-	-	-	-	-	-	
						4.3	0.4	86	18.1	18.1	8.1	8.1	30.6	30.6	99.2	99.2	7.8	7.8	9.2	9.2	14	13	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.5	0.4	70	18.1	18.1	8.1	8.1	30.6	30.6	98.9	98.9	7.8	7.8	9.3	9.3	14	13	-	-	-	-	-	-	-	-	-	-	-	
						7.5	0.4	75	18.1	18.1	8.1	8.1	30.6	30.6	98.9	98.9	7.8	7.8	9.3	9.3	13	13	-	-	-	-	-	-	-	-	-	-	-	
SR5A	Fine	Calm	13:08	5.1	Surface	1.0	0.1	50	18.3	18.3	8.1	8.1	30.9	30.9	103.8	103.8	8.1	8.1	5.6	6.1	8	10	-	-	816565	810719	-	-	-	-				
						1.0	0.1	50	18.3	18.3	8.1	8.1	30.9	30.9	103.8	103.8	8.1	8.1	5.6	6.1	9	10	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.1	0.1	49	18.3	18.3	8.1	8.1	30.9	30.9	102.4	102.4	8.0	8.0	6.5	6.5	10	10	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.1	0.1	53	18.3	18.3	8.1	8.1	30.9	30.9	102.4	102.4	8.0	8.0	6.5	6.5	12	10	-	-	-	-	-	-	-	-	-	-	-	
						1.0	0.1	77	18.5	18.5	8.2	8.2	30.9	30.9	104.9	104.9	8.2	8.2	4.4	4.4	7	6	-	-	-	-	-	-	-	-	-	-		
SR6	Fine	Calm	13:30	4.0	Surface	1.0	0.1	77	18.5	18.5	8.2	8.2	30.9	30.9	104.9	104.9	8.2	8.2	4.4	5.0	6	6	-	-	817887	814633	-	-	-	-				
						1.0																												

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

Water Quality Monitoring Results on 02 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	07:55	8.4	Surface	1.0	0.5	39	17.9	8.1	8.1	30.8	30.8	97.9	97.9	7.7	7.7	14.2	20.7	13	18	73	75	815616	804270	<0.2	<0.2	1.6	1.4					
						1.0	0.5	41	17.9	8.1	8.1	30.8	30.8	97.9	97.9	7.7	7.7	14.2	20.7	12	18	73	75	<0.2	<0.2	1.5	1.4							
						4.2	0.5	34	17.9	8.1	8.1	30.8	30.8	97.6	97.6	7.7	7.7	21.4	20.7	15	18	76	76	<0.2	<0.2	1.5	1.4							
					4.2	0.6	34	17.9	8.1	8.1	30.8	30.8	97.6	97.6	7.7	7.7	21.4	20.7	14	18	76	76	<0.2	<0.2	1.5	1.4								
					7.4	0.5	34	17.9	8.1	8.1	30.8	30.8	97.5	97.5	7.7	7.7	26.1	20.7	26	18	77	77	<0.2	<0.2	1.4	1.4								
					7.4	0.5	36	17.9	8.1	8.1	30.8	30.8	97.6	97.6	7.7	7.7	26.7	20.7	27	18	77	77	<0.2	<0.2	1.1	1.4								
C2	Cloudy	Moderate	08:43	11.6	Surface	1.0	0.4	322	18.6	8.1	8.1	27.5	27.5	96.3	96.4	7.7	7.7	10.7	20.4	11	10	73	75	825704	806929	<0.2	<0.2	1.6	1.5					
						1.0	0.5	338	18.6	8.1	8.1	27.5	27.5	96.4	96.4	7.7	7.7	10.8	20.4	9	10	73	75	<0.2	<0.2	1.7	1.5							
						5.8	0.4	338	18.6	8.1	8.1	27.6	27.6	95.7	95.7	7.6	7.6	14.3	20.4	9	10	75	75	<0.2	<0.2	1.8	1.5							
					5.8	0.4	311	18.6	8.1	8.1	27.6	27.6	95.7	95.7	7.6	7.6	14.5	20.4	11	10	75	75	<0.2	<0.2	1.4	1.5								
					10.6	0.3	20	18.5	8.1	8.1	27.8	27.8	96.3	96.4	7.7	7.7	36.2	20.4	11	10	77	77	<0.2	<0.2	1.3	1.5								
					10.6	0.3	21	18.5	8.1	8.1	27.8	27.8	96.4	96.4	7.7	7.7	36.1	20.4	9	10	77	77	<0.2	<0.2	1.3	1.5								
C3	Cloudy	Moderate	06:53	10.8	Surface	1.0	0.4	252	18.5	8.1	8.1	30.3	30.3	97.2	97.2	7.6	7.6	7.5	10.4	9	13	73	75	822118	817808	<0.2	<0.2	1.9	1.9					
						1.0	0.4	268	18.5	8.1	8.1	30.3	30.3	97.2	97.2	7.6	7.6	7.5	10.4	8	13	73	75	<0.2	<0.2	1.8	1.9							
						5.4	0.4	260	18.5	8.1	8.1	30.4	30.4	97.2	97.2	7.6	7.6	9.1	10.4	13	13	75	75	<0.2	<0.2	1.7	1.9							
					5.4	0.4	273	18.5	8.1	8.1	30.4	30.4	97.2	97.2	7.6	7.6	9.2	10.4	15	13	75	75	<0.2	<0.2	1.8	1.9								
					9.8	0.3	276	18.4	8.1	8.1	30.6	30.6	96.9	96.9	7.6	7.6	14.4	10.4	16	13	77	77	<0.2	<0.2	2.0	1.9								
					9.8	0.3	302	18.4	8.1	8.1	30.6	30.6	96.9	96.9	7.6	7.6	14.5	10.4	14	13	76	76	<0.2	<0.2	1.9	1.9								
IM1	Fine	Moderate	08:12	7.1	Surface	1.0	0.5	14	18.1	8.1	8.1	30.4	30.4	97.7	97.7	7.7	7.7	11.1	17.9	11	14	73	74	818348	806455	<0.2	<0.2	1.4	1.3					
						1.0	0.5	14	18.1	8.1	8.1	30.4	30.4	97.7	97.7	7.7	7.7	11.1	17.9	11	14	73	74	<0.2	<0.2	1.3	1.3							
						3.6	0.5	4	18.0	8.1	8.1	30.6	30.6	97.5	97.5	7.7	7.7	14.9	17.9	11	14	74	74	<0.2	<0.2	1.6	1.3							
					3.6	0.5	4	18.0	8.1	8.1	30.6	30.6	97.5	97.5	7.7	7.7	14.9	17.9	11	14	74	74	<0.2	<0.2	1.4	1.3								
					6.1	0.4	354	18.0	8.1	8.1	30.7	30.7	97.3	97.3	7.7	7.7	27.7	17.9	18	14	75	75	<0.2	<0.2	1.0	1.3								
					6.1	0.4	326	18.0	8.1	8.1	30.7	30.7	97.3	97.3	7.7	7.7	27.7	17.9	19	14	76	76	<0.2	<0.2	1.1	1.3								
IM2	Fine	Moderate	08:19	8.0	Surface	1.0	0.5	21	18.2	8.1	8.1	30.3	30.3	97.5	97.5	7.7	7.7	12.0	18.2	13	18	73	75	818852	806201	<0.2	<0.2	1.6	1.4					
						1.0	0.5	21	18.2	8.1	8.1	30.3	30.3	97.5	97.5	7.7	7.7	12.0	18.2	13	18	74	75	<0.2	<0.2	1.5	1.4							
						4.0	0.5	15	18.1	8.1	8.1	30.4	30.4	97.3	97.3	7.7	7.7	15.1	18.2	17	18	74	75	<0.2	<0.2	1.4	1.4							
					4.0	0.5	15	18.1	8.1	8.1	30.4	30.4	97.3	97.3	7.7	7.7	15.1	18.2	17	18	74	75	<0.2	<0.2	1.3	1.4								
					7.0	0.4	11	18.1	8.1	8.1	30.4	30.4	97.7	97.7	7.7	7.7	27.4	18.2	24	18	76	76	<0.2	<0.2	1.2	1.4								
					7.0	0.4	11	18.1	8.1	8.1	30.4	30.4	97.7	97.7	7.7	7.7	27.4	18.2	26	18	76	76	<0.2	<0.2	1.3	1.4								
IM3	Fine	Moderate	08:29	8.0	Surface	1.0	0.5	34	18.2	8.1	8.1	30.2	30.2	97.3	97.3	7.7	7.7	12.0	16.1	10	13	73	75	819415	806015	<0.2	<0.2	1.6	1.4					
						1.0	0.5	35	18.2	8.1	8.1	30.2	30.2	97.3	97.3	7.7	7.7	12.0	16.1	11	13	73	75	<0.2	<0.2	1.4	1.4							
						4.0	0.5	31	18.2	8.1	8.1	30.3	30.3	97.2	97.2	7.7	7.7	16.3	16.1	12	13	75	75	<0.2	<0.2	1.5	1.4							
					4.0	0.5	33	18.2	8.1	8.1	30.3	30.3	97.2	97.2	7.7	7.7	16.3	16.1	13	13	75	75	<0.2	<0.2	1.4	1.4								
					7.0	0.4	21	18.1	8.1	8.1	30.4	30.4	97.5	97.5	7.7	7.7	19.9	16.1	15	13	76	76	<0.2	<0.2	1.4	1.4								
					7.0	0.4	22	18.1	8.1	8.1	30.4	30.4	97.5	97.5	7.7	7.7	19.9	16.1	15	13	76	76	<0.2	<0.2	1.2	1.4								
IM4	Fine	Moderate	08:37	7.5	Surface	1.0	0.5	17	18.1	8.1	8.1	30.4	30.4	97.2	97.2	7.7	7.7	15.8	20.7	13	15	73	75	819546	805018	<0.2	<0.2	1.1	1.3					
						1.0	0.5	17	18.1	8.1	8.1	30.4	30.4	97.2	97.2	7.7	7.7	15.8	20.7	14	15	74	75	<0.2	<0.2	1.3	1.3							
						3.8	0.4	18	18.1	8.1	8.1	30.4	30.4	96.9	97.0	7.6	7.6	19.9	20.7	14	15	75	75	<0.2	<0.2	1.2	1.3							
					3.8	0.5	18	18.1	8.1	8.1	30.4	30.4	97.0	97.0	7.6	7.6	19.9	20.7	16	15	75	75	<0.2	<0.2	1.4	1.3								
					6.5	0.4	13	18.1	8.1	8.1	30.4	30.4	97.0	97.0	7.6	7.6	26.5	20.7	16	15	76	76	<0.2	<0.2	1.2	1.3								
					6.5	0.4	13	18.1	8.1	8.1	30.4	30.4	97.0	97.0	7.6	7.6	26.2	20.7	17	15	76	76	<0.2	<0.2	1.3	1.3								
IM5	Fine	Moderate	08:44	6.7	Surface	1.0	0.6	9	18.2	8.1	8.1	30.3	30.3	97.1	97.1	7.6	7.6	18.0	20.8	16	21	73	74	820573	804944	<0.2	<0.2	1.3	1.3					
						1.0	0.6	9	18.2	8.1	8.1	30.3	30.3	97.1	97.1	7.6	7.6	18.0	20.8	15	21	73	74	<0.2	<0.2	1.4	1.3							
						3.4	0.6	13	18.2	8.1	8.1	30.3	30.3	97.1	97.1	7.6	7.6	17.7	20.8	23	21	74	74	<0.2	<0.2	1.3	1.3							
					3.4	0.6	13	18.2	8.1	8.1	30.3	30.3	97.1	97.1	7.6	7.6	17.7	20.8	22	21	74	74	<0.2	<0.2	1.3	1.3								
					5.7	0.5	12	18.2	8.1	8.1	30.3	30.3	97.7	97.7	7.7	7.7	26.8	20.8	26	21	75	75	<0.2	<0.2	1.4	1.3								
					5.7	0.5	12	18.2	8.1	8.1	30.3	30.3	97.7	97.7	7.7	7.7	26.8	20.8	26	21	76	76	<0.2	<0.2	1.2	1.3								
IM6	Fine	Moderate	08:50	6.7	Surface	1.0	0.4	27	18.1	8.1	8.1	30.4	30.4	97.3	97.3	7.7	7.7	9.6	9.7	11	12	73	74	821086	805849	<0.2	<0.2	1.3	1.3					
						1.0	0.4	29	18.1	8.1	8.1	30.4	30.4	97.3	97.3	7.7	7.7	9.6	9.7	10	12	73	74	<0.2	<0.2	1.4	1.3							
						3.4	0.4	20	18.1	8.1	8.1	30.4	30.4	97.3	97.3	7.7	7.7	10.1	9.7	12	12	74	74	<0.2	<0.2	1.2	1.3							
					3.4																													

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

Water Quality Monitoring Results on 02 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	08:06	6.8	Surface	1.0	0.1	358	18.6	18.6	8.1	8.1	28.0	28.0	96.1	96.1	7.6	7.6	16.7	7.6	13	73	75	822104	808840	<0.2	1.4	1.4	1.4			
						1.0	0.1	329	18.6	8.1	8.1	28.0	28.0	96.1	96.1	7.6	7.6	16.7	7.6	12	73	75	75	<0.2	1.3	1.3	1.3					
					Middle	3.4	0.2	354	18.6	18.6	8.1	8.1	28.1	28.1	96.5	96.5	7.6	7.6	22.4	7.6	22.3	7.6	14	75	75	75	<0.2	1.5	1.5	1.5		
						3.4	0.2	326	18.6	18.6	8.1	8.1	28.1	28.1	96.5	96.5	7.6	7.6	22.3	7.6	22.3	7.6	15	76	75	75	<0.2	1.4	1.4	1.4		
					Bottom	5.8	0.2	8	18.6	18.6	8.1	8.1	28.2	28.2	96.8	96.8	7.7	7.7	25.3	7.7	25.3	7.7	15	77	75	75	<0.2	1.3	1.3	1.3		
						5.8	0.2	8	18.6	18.6	8.1	8.1	28.2	28.2	96.7	96.8	7.7	7.7	25.3	7.7	25.3	7.7	14	77	75	75	<0.2	1.5	1.5	1.5		
IM10	Cloudy	Moderate	07:59	7.4	Surface	1.0	0.4	320	18.6	18.6	8.1	8.1	27.9	27.9	96.2	96.2	7.6	7.6	18.7	7.6	11	73	75	822257	809836	<0.2	1.4	1.4	1.4			
						1.0	0.4	342	18.6	18.6	8.1	8.1	27.9	27.9	96.1	96.2	7.6	7.6	18.8	7.6	12	73	75	75	<0.2	1.5	1.5	1.5				
					Middle	3.7	0.4	318	18.6	18.6	8.1	8.1	28.0	28.0	96.0	96.1	7.6	7.6	21.4	7.6	21.4	7.6	15	75	75	75	<0.2	1.7	1.7	1.7		
						3.7	0.4	325	18.6	18.6	8.1	8.1	28.0	28.0	96.1	96.1	7.6	7.6	21.6	7.6	21.6	7.6	14	75	75	75	<0.2	2.0	2.0	2.0		
					Bottom	6.4	0.4	319	18.6	18.6	8.1	8.1	28.3	28.3	96.5	96.5	7.6	7.6	24.1	7.6	24.1	7.6	17	77	75	75	<0.2	1.8	1.8	1.8		
						6.4	0.4	342	18.6	18.6	8.1	8.1	28.3	28.3	96.5	96.5	7.6	7.6	24.0	7.6	24.0	7.6	17	77	75	75	<0.2	1.8	1.8	1.8		
IM11	Cloudy	Moderate	07:47	7.0	Surface	1.0	0.5	293	18.5	18.5	8.1	8.1	30.0	30.0	97.5	97.5	7.6	7.6	14.8	7.6	14	73	75	821518	810519	<0.2	1.3	1.3	1.3			
						1.0	0.5	322	18.5	18.5	8.1	8.1	30.1	30.0	97.5	97.5	7.6	7.6	15.0	7.6	15.0	7.6	14	73	75	75	<0.2	1.7	1.7	1.7		
					Middle	3.5	0.4	297	18.5	18.5	8.1	8.1	30.1	30.1	97.5	97.6	7.6	7.6	17.2	7.6	17.2	7.6	15	76	75	75	<0.2	1.7	1.7	1.7		
						3.5	0.4	311	18.5	18.5	8.1	8.1	30.1	30.1	97.6	97.6	7.7	7.7	17.1	7.7	17.1	7.7	16	75	75	75	<0.2	1.7	1.7	1.7		
					Bottom	6.0	0.4	303	18.5	18.5	8.1	8.1	30.1	30.1	97.6	97.6	7.7	7.7	27.7	7.7	27.7	7.7	14	77	75	75	<0.2	2.2	2.2	2.2		
						6.0	0.4	322	18.5	18.5	8.1	8.1	30.1	30.1	97.6	97.6	7.7	7.7	28.1	7.7	28.1	7.7	15	77	75	75	<0.2	2.0	2.0	2.0		
IM12	Cloudy	Moderate	07:41	6.9	Surface	1.0	0.5	280	18.4	18.4	8.1	8.1	29.2	29.2	98.5	98.5	7.8	7.8	9.4	7.8	10	74	75	821172	811531	<0.2	1.7	1.7	1.7			
						1.0	0.6	306	18.4	18.4	8.1	8.1	29.2	29.2	98.5	98.5	7.8	7.8	9.6	7.8	9.6	7.8	11	73	75	75	<0.2	1.5	1.5	1.5		
					Middle	3.5	0.6	280	18.4	18.4	8.1	8.1	29.3	29.3	98.7	98.7	7.8	7.8	12.8	7.8	12.8	7.8	12	75	75	75	<0.2	1.3	1.3	1.3		
						3.5	0.6	299	18.4	18.4	8.1	8.1	29.3	29.3	98.7	98.7	7.8	7.8	12.8	7.8	12.8	7.8	13	76	75	75	<0.2	1.0	1.0	1.0		
					Bottom	5.9	0.5	277	18.4	18.4	8.1	8.1	29.3	29.3	98.6	98.6	7.8	7.8	21.4	7.8	21.4	7.8	13	77	75	75	<0.2	1.0	1.0	1.0		
						5.9	0.5	293	18.4	18.4	8.1	8.1	29.3	29.3	98.6	98.6	7.8	7.8	21.9	7.8	21.9	7.8	12	77	75	75	<0.2	1.3	1.3	1.3		
SR2	Cloudy	Moderate	07:14	3.9	Surface	1.0	0.4	350	18.3	18.3	8.1	8.1	29.6	29.6	97.5	97.5	7.7	7.7	15.8	7.7	10	73	74	821476	814187	<0.2	1.0	1.0	1.0			
						1.0	0.4	322	18.3	18.3	8.1	8.1	29.6	29.6	97.5	97.5	7.7	7.7	16.0	7.7	16.0	7.7	12	73	75	75	<0.2	1.0	1.0	1.0		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	814187	814187	<0.2	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	814187	814187	<0.2	-	-
					Bottom	2.9	0.3	352	18.2	18.2	8.1	8.1	30.0	30.0	98.0	98.1	7.7	7.7	25.7	7.7	25.7	7.7	12	75	75	75	<0.2	1.3	1.3	1.3		
						2.9	0.3	324	18.2	18.2	8.1	8.1	30.0	30.0	98.1	98.1	7.7	7.7	25.4	7.7	25.4	7.7	14	75	75	75	<0.2	1.2	1.2	1.2		
SR3	Cloudy	Moderate	08:22	8.6	Surface	1.0	0.2	354	18.6	18.6	8.1	8.1	28.2	28.2	96.1	96.1	7.6	7.6	16.6	7.6	12	-	-	822150	807559	-	-	-	-			
						1.0	0.2	326	18.6	18.6	8.1	8.1	28.2	28.2	96.1	96.1	7.6	7.6	16.7	7.6	16.7	7.6	11	-	-	-	-	-	-			
					Middle	4.3	0.4	10	18.5	18.5	8.1	8.1	28.5	28.5	96.2	96.2	7.6	7.6	19.6	7.6	19.6	7.6	12	-	-	-	-	-	-			
						4.3	0.4	10	18.5	18.5	8.1	8.1	28.5	28.5	96.1	96.2	7.6	7.6	19.4	7.6	19.4	7.6	12	-	-	-	-	-	-			
					Bottom	7.6	0.3	22	18.5	18.5	8.1	8.1	28.7	28.7	96.4	96.4	7.6	7.6	22.4	7.6	22.4	7.6	13	-	-	-	-	-	-			
						7.6	0.3	22	18.5	18.5	8.1	8.1	28.7	28.7	96.4	96.4	7.6	7.6	22.6	7.6	22.6	7.6	14	-	-	-	-	-	-			
SR4A	Fine	Calm	07:33	8.7	Surface	1.0	0.2	250	18.2	18.2	8.1	8.1	30.8	30.8	100.8	100.8	7.9	7.9	7.5	7.9	7	-	-	817206	807817	-	-	-	-			
						1.0	0.2	263	18.2	18.2	8.1	8.1	30.8	30.8	100.8	100.8	7.9	7.9	7.5	7.9	7	-	-	-	-	-	-					
					Middle	4.4	0.2	240	18.2	18.2	8.1	8.1	30.8	30.8	100.4	100.4	7.9	7.9	8.1	7.9	8.1	7.9	10	-	-	-	-	-				
						4.4	0.2	246	18.2	18.2	8.1	8.1	30.8	30.8	100.4	100.4	7.9	7.9	8.1	7.9	8.1	7.9	9	-	-	-	-	-				
					Bottom	7.7	0.1	233	18.2	18.2	8.1	8.1	30.8	30.8	99.8	99.8	7.8	7.8	8.5	7.8	8.5	7.8	12	-	-	-	-	-				
						7.7	0.1	245	18.2	18.2	8.1	8.1	30.8	30.8	99.8	99.8	7.8	7.8	8.5	7.8	8.5	7.8	12	-	-	-	-	-				
SR5A	Fine	Calm	07:17	3.7	Surface	1.0	0.2	298	18.1	18.1	8.1	8.1	30.8	30.8	100.2	100.2	7.9	7.9	8.0	7.9	10	-	-	816622	810708	-	-	-	-			
						1.0	0.2	325	18.1	18.1	8.1	8.1	30.8	30.8	100.2	100.2	7.9	7.9	8.0	7.9	8.0	7.9	9	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	2.7	0.2	290	18.1	18.1	8.1	8.1	30.8	30.8	100.0	100.0	7.9	7.9	7.2	7.9	7.2	7.9	10	-	-	-	-	-				
						2.7	0.2	298	18.1	18.1	8.1	8.1	30.8	30.8	100.0	100.0	7.9	7.9	7.2	7.9	7.2	7.9	9	-	-	-	-	-				
SR6	Fine	Calm	06:54	3.3	Surface	1.0	0.2	246	18.2	18.2	8.1	8.1	30.0	30.0	97.8	97.8	7.7	7.7	4.3	7.7	11	-	-	817884	814634	-	-	-	-			
						1.0	0.2	268	18.2	18.2	8.1	8.1	30.0	30.0	97.8	97.8	7.7	7.7	4.3	7.7	4.3	7.7	10	-	-	-						

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

Water Quality Monitoring Results on 04 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:10	8.7	Surface	1.0	0.1	218	18.2	18.2	8.1	8.1	29.5	29.5	96.2	96.2	7.6	7.6	13.4	7.6	8	73	75	75	815647	804250	<0.2	1.0	<0.2	0.9
						1.0	0.1	231	18.2	8.1	8.1	29.5	29.5	96.2	96.2	7.6	7.6	13.3	7.6	10	75	75	75							
					Middle	4.4	0.1	216	18.2	18.2	8.1	8.1	29.8	29.8	96.0	96.0	7.6	7.6	15.1	7.6	10	73	75	75						
						4.4	0.2	228	18.2	18.2	8.1	8.1	29.8	29.8	96.0	96.0	7.6	7.6	15.2	7.6	10	75	75	75						
					Bottom	7.7	0.2	213	18.1	18.1	8.1	8.1	30.9	30.9	96.0	96.0	7.6	7.6	19.6	7.6	11	76	75	75						
						7.7	0.2	213	18.1	18.1	8.1	8.1	30.9	30.9	96.0	96.0	7.6	7.6	19.7	7.6	10	77	75	75						
C2	Cloudy	Moderate	13:10	12.1	Surface	1.0	0.1	315	19.1	19.1	8.0	8.0	28.1	28.1	96.8	96.8	7.6	7.6	9.9	7.6	8	72	75	75	825659	806942	<0.2	2.6	<0.2	2.3
						1.0	0.2	326	19.1	19.1	8.0	8.0	28.1	28.1	96.8	96.8	7.6	7.6	9.9	7.6	7	72	75	75						
					Middle	6.1	0.2	25	19.0	19.0	8.0	8.0	28.5	28.5	97.1	97.1	7.6	7.6	10.3	7.6	7	73	73	73						
						6.1	0.2	25	19.0	19.0	8.0	8.0	28.5	28.5	97.1	97.1	7.6	7.6	10.3	7.6	7	73	73	73						
					Bottom	11.1	0.3	60	18.9	18.9	8.0	8.0	29.1	29.1	96.9	96.9	7.6	7.6	20.5	7.6	6	75	75	75						
						11.1	0.3	63	18.9	18.9	8.0	8.0	29.1	29.1	96.9	96.9	7.6	7.6	20.5	7.6	7	75	75	75						
C3	Cloudy	Moderate	14:57	11.6	Surface	1.0	0.5	75	18.8	18.8	8.1	8.1	30.1	30.1	97.1	97.1	7.6	7.6	6.8	7.6	3	73	75	75	822104	817826	<0.2	0.9	<0.2	0.9
						1.0	0.5	77	18.8	18.8	8.1	8.1	30.1	30.1	97.1	97.1	7.6	7.6	6.8	7.6	4	73	75	75						
					Middle	5.8	0.4	77	18.8	18.8	8.1	8.1	30.3	30.3	96.6	96.6	7.5	7.5	9.8	7.5	4	75	75	75						
						5.8	0.4	78	18.8	18.8	8.1	8.1	30.3	30.3	96.6	96.6	7.5	7.5	9.8	7.5	5	75	75	75						
					Bottom	10.6	0.4	101	18.7	18.7	8.0	8.0	30.4	30.4	96.8	96.8	7.5	7.5	17.8	7.5	5	76	75	75						
						10.6	0.4	101	18.7	18.7	8.0	8.0	30.4	30.4	96.8	96.8	7.5	7.5	17.8	7.5	5	78	75	75						
IM1	Cloudy	Moderate	13:52	7.5	Surface	1.0	0.1	152	18.3	18.3	8.1	8.1	29.8	29.8	97.0	97.0	7.7	7.7	10.3	7.7	10	73	75	75	818346	806483	<0.2	1.0	<0.2	1.0
						1.0	0.1	160	18.3	18.3	8.1	8.1	29.8	29.8	97.0	97.0	7.7	7.7	10.3	7.7	10	73	75	75						
					Middle	3.8	0.1	110	18.3	18.3	8.1	8.1	30.0	30.0	96.9	96.9	7.6	7.6	10.4	7.6	11	75	75	75						
						3.8	0.1	120	18.3	18.3	8.1	8.1	30.0	30.0	96.9	96.9	7.6	7.6	10.5	7.6	10	75	75	75						
					Bottom	6.5	0.0	122	18.4	18.4	8.1	8.1	30.0	30.0	97.1	97.1	7.6	7.6	10.8	7.6	11	76	75	75						
						6.5	0.0	128	18.4	18.4	8.1	8.1	30.0	30.0	97.1	97.1	7.6	7.6	10.8	7.6	10	77	75	75						
IM2	Cloudy	Moderate	13:45	8.5	Surface	1.0	0.1	347	18.2	18.2	8.1	8.1	29.8	29.8	98.4	98.5	7.8	7.7	15.1	7.8	12	73	75	75	818836	806167	<0.2	1.1	<0.2	0.8
						1.0	0.1	319	18.2	18.2	8.1	8.1	29.8	29.8	98.5	98.5	7.8	7.7	15.1	7.8	12	73	75	75						
					Middle	4.3	0.1	44	18.1	18.1	8.1	8.1	30.1	30.1	95.5	95.5	7.5	7.5	22.0	7.5	11	75	75	75						
						4.3	0.1	48	18.1	18.1	8.1	8.1	30.1	30.1	95.4	95.5	7.5	7.5	22.1	7.5	12	75	75	75						
					Bottom	7.5	0.1	50	18.1	18.1	8.1	8.1	30.2	30.2	95.7	95.7	7.6	7.6	28.2	7.6	12	77	75	75						
						7.5	0.1	51	18.1	18.1	8.1	8.1	30.2	30.2	95.7	95.7	7.6	7.6	28.3	7.6	12	76	75	75						
IM3	Cloudy	Moderate	13:37	8.6	Surface	1.0	0.2	5	18.3	18.3	8.1	8.1	29.5	29.5	96.8	96.8	7.6	7.6	13.5	7.6	10	73	75	75	819383	806018	<0.2	1.0	<0.2	1.1
						1.0	0.2	5	18.3	18.3	8.1	8.1	29.5	29.5	96.8	96.8	7.6	7.6	13.4	7.6	12	73	75	75						
					Middle	4.3	0.1	15	18.1	18.1	8.1	8.1	29.9	29.9	95.7	95.7	7.6	7.6	19.7	7.6	11	75	75	75						
						4.3	0.1	16	18.1	18.1	8.1	8.1	29.9	29.9	95.7	95.7	7.6	7.6	19.8	7.6	11	75	75	75						
					Bottom	7.6	0.2	36	18.1	18.1	8.1	8.1	30.2	30.2	95.6	95.6	7.5	7.5	30.7	7.5	12	76	75	75						
						7.6	0.2	36	18.1	18.1	8.1	8.1	30.2	30.2	95.6	95.6	7.5	7.5	30.6	7.5	12	76	75	75						
IM4	Cloudy	Moderate	13:29	7.9	Surface	1.0	0.1	352	18.4	18.4	8.1	8.1	29.4	29.4	96.7	96.7	7.6	7.6	16.7	7.6	14	73	75	75	819542	805027	<0.2	0.9	<0.2	0.9
						1.0	0.1	353	18.4	18.4	8.1	8.1	29.4	29.4	96.7	96.7	7.6	7.6	16.8	7.6	14	73	75	75						
					Middle	4.0	0.1	41	18.1	18.1	8.1	8.1	30.3	30.3	95.4	95.4	7.5	7.5	19.8	7.5	15	75	75	75						
						4.0	0.1	43	18.1	18.1	8.1	8.1	30.3	30.3	95.4	95.4	7.5	7.5	19.8	7.5	13	74	75	75						
					Bottom	6.9	0.1	40	18.1	18.1	8.1	8.1	30.4	30.4	95.5	95.5	7.5	7.5	26.5	7.5	14	76	75	75						
						6.9	0.1	43	18.1	18.1	8.1	8.1	30.4	30.4	95.5	95.5	7.5	7.5	26.7	7.5	15	77	75	75						
IM5	Cloudy	Moderate	13:20	7.1	Surface	1.0	0.2	6	18.5	18.5	8.1	8.1	29.4	29.4	96.9	96.9	7.6	7.6	16.8	7.6	15	73	75	75	820586	804936	<0.2	1.0	<0.2	0.9
						1.0	0.3	6	18.5	18.5	8.1	8.1	29.4	29.4	96.9	96.9	7.6	7.6	16.8	7.6	16	73	75	75						
					Middle	3.6	0.2	4	18.1	18.1	8.1	8.1	30.0	30.0	95.5	95.5	7.5	7.5	20.6	7.5	15	75	75	75						
						3.6	0.2	4	18.1	18.1	8.1	8.1	30.0	30.0	95.5	95.5	7.5	7.5	20.2	7.5	16	74	75	75						
					Bottom	6.1	0.2	11	18.1	18.1	8.1	8.1	30.1	30.1	95.4	95.4	7.5	7.5	27.8	7.5	15	76	75	75						
						6.1	0.2	11	18.1	18.1	8.1	8.1	30.1	30.1	95.5	95.5	7.5	7.5	27.9	7.5	15	76	75	75						
IM6	Cloudy	Moderate	13:12	7.0	Surface	1.0	0.1	70	18.3	18.3	8.1	8.1	29.9	29.9	97.3	97.3	7.7	7.7	13.1	7.7	11	73	75	75	821065	805802	<0.2	0.9	<0.2	1.0
						1.0	0.1	74	18.3	18.3	8.1	8.1	29.9	29.9	97.3	97.3	7.7	7.7	12.7	7.7	12	73	75	75						
					Middle	3.5	0.1	39	18.3	18.3	8.1	8.1	29.9	29.9	96.9	96.9	7.6	7.6	13.7	7.6	11	75	75	75						
						3.5	0.1	41	18.3	18.3	8.1	8.1	29.9	29.9	96.9	96.9	7.6	7.6	13.8	7.6	13	75	75	75						
					Bottom	6.0	0.2	50	18.3	18.3	8.1	8.1	30.0	30.0	96.9	96.9	7.6	7.6	15.9	7.6	11	76	75	75						
						6.0	0.2	54	18.3	18.3	8.1	8.1	30.0	30.0	96.9	96.9	7.6	7.6	16.0	7.6	13	76	75	75						
IM7	Cloudy	Moderate	13:07	8.5	Surface	1.0	0.1	27	18.6	18.6	8.1	8.1	29.6	29.6	97.0	97.0	7.6	7.6	12.0	7.6	11	73	75	75	821327	806864	<0.2	1.3	<0.2	1.4
						1.0	0.1	29	18.6	18.6	8.1	8.1	29.6	29.6	97.0	97.0	7.6	7.6	12.0	7.6	11	73	75	75						
					Middle	4.3	0.1	72	18.5	18.5	8.1	8.1	29.6	29.6	96.5	96.5	7.6	7.6	13.1	7.6	11	74	75	75						
						4.3	0.1	73																						

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

Water Quality Monitoring Results on 04 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value	Value
IM9	Cloudy	Rough	13:43	7.3	Surface	1.0	0.2	76	18.8	18.8	8.1	8.1	29.5	29.5	98.3	98.3	7.7	7.7	12.6	12.6	10	73	74	822093	808786	<0.2	1.4	1.4	1.4				
						1.0	0.2	76	18.8	8.1	8.1	29.5	29.5	98.3	98.3	7.7	7.7	12.6	12.6	10	72	74	<0.2	1.5	1.5								
					Middle	3.7	0.3	71	18.8	18.8	8.1	8.1	29.5	29.5	98.2	98.2	7.7	7.7	13.5	13.5	10	74	74	<0.2	1.5	1.5	1.5						
						3.7	0.3	76	18.8	8.1	8.1	29.5	29.5	98.2	98.2	7.7	7.7	13.5	13.5	10	74	74	<0.2	1.5	1.5								
					Bottom	6.3	0.2	56	18.7	18.7	8.1	8.1	29.6	29.6	98.4	98.4	7.7	7.7	14.3	14.3	12	75	75	<0.2	1.6	1.6	1.6						
						6.3	0.2	58	18.7	8.1	8.1	29.6	29.6	98.4	98.4	7.7	7.7	14.3	14.3	12	75	75	<0.2	1.3	1.3								
IM10	Cloudy	Rough	13:52	7.6	Surface	1.0	0.3	112	18.9	18.9	8.1	8.1	29.1	29.1	97.7	97.7	7.6	7.6	10.1	10.1	7	73	74	822252	809851	<0.2	1.5	1.5	1.5				
						1.0	0.3	120	18.9	8.1	8.1	29.1	29.1	97.7	97.7	7.6	7.6	10.1	10.1	7	73	74	<0.2	1.8	1.8								
					Middle	3.8	0.3	110	18.7	18.7	8.1	8.1	29.6	29.6	97.3	97.3	7.6	7.6	10.0	10.0	9	74	74	<0.2	1.5	1.5	1.5						
						3.8	0.3	115	18.7	8.1	8.1	29.6	29.6	97.3	97.3	7.6	7.6	10.0	10.0	8	75	75	<0.2	1.5	1.5								
					Bottom	6.6	0.1	90	18.7	18.7	8.0	8.0	29.7	29.7	98.2	98.2	7.7	7.7	8.2	8.2	9	75	75	<0.2	1.6	1.6	1.6						
						6.6	0.1	97	18.7	8.0	8.0	29.7	29.7	98.2	98.2	7.7	7.7	8.2	8.2	8	76	76	<0.2	1.7	1.7								
IM11	Cloudy	Rough	14:02	8.5	Surface	1.0	0.3	85	18.9	18.9	8.1	8.1	29.1	29.1	97.2	97.2	7.6	7.6	23.6	23.6	20	73	74	821480	810550	<0.2	1.6	1.6	1.6				
						1.0	0.3	85	18.9	8.1	8.1	29.1	29.1	97.2	97.2	7.6	7.6	23.6	23.6	21	73	74	<0.2	1.9	1.9								
					Middle	4.3	0.3	102	18.8	18.8	8.1	8.1	29.3	29.3	96.9	96.9	7.6	7.6	14.3	14.3	20	74	74	<0.2	1.6	1.6	1.6						
						4.3	0.4	107	18.8	8.1	8.1	29.3	29.3	96.9	96.9	7.6	7.6	14.3	14.3	20	74	74	<0.2	1.6	1.6								
					Bottom	7.5	0.2	91	18.7	18.7	8.0	8.0	29.8	29.8	97.3	97.3	7.6	7.6	9.9	9.9	35	75	75	<0.2	1.6	1.6	1.6						
						7.5	0.2	94	18.7	8.0	8.0	29.8	29.8	97.3	97.3	7.6	7.6	9.9	9.9	35	75	75	<0.2	1.8	1.8								
IM12	Cloudy	Rough	14:10	8.8	Surface	1.0	0.4	93	19.0	19.0	8.0	8.0	29.1	29.1	98.6	98.6	7.7	7.7	7.5	7.5	7	73	74	821181	811489	<0.2	1.7	1.7	1.7				
						1.0	0.4	95	19.0	8.0	8.0	29.1	29.1	98.6	98.6	7.7	7.7	7.5	7.5	6	73	73	<0.2	1.7	1.7								
					Middle	4.4	0.3	101	18.8	18.8	8.0	8.0	29.7	29.7	98.2	98.2	7.7	7.7	7.2	7.2	7	73	74	<0.2	1.8	1.8	1.8						
						4.4	0.3	105	18.8	8.0	8.0	29.7	29.7	98.2	98.2	7.7	7.7	7.2	7.2	6	74	74	<0.2	1.9	1.9								
					Bottom	7.8	0.2	109	18.7	18.7	8.1	8.1	29.8	29.8	98.3	98.3	7.7	7.7	7.2	7.2	7	75	75	<0.2	1.7	1.7	1.7						
						7.8	0.3	111	18.7	8.1	8.1	29.8	29.8	98.3	98.3	7.7	7.7	7.2	7.2	8	76	76	<0.2	1.8	1.8								
SR2	Cloudy	Moderate	14:36	3.4	Surface	1.0	0.4	93	18.7	18.7	8.1	8.1	30.0	30.0	97.0	97.0	7.6	7.6	7.9	7.9	4	73	74	821440	814156	<0.2	1.0	1.0	1.0				
						1.0	0.4	93	18.7	8.1	8.1	30.0	30.0	97.0	97.0	7.6	7.6	7.9	7.9	4	73	73	<0.2	1.0	1.0								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.4	0.3	91	18.7	18.7	8.1	8.1	30.0	30.0	97.4	97.4	7.6	7.6	8.3	8.3	5	75	75	<0.2	1.2	1.2	1.2						
						2.4	0.3	92	18.7	8.1	8.1	30.0	30.0	97.4	97.4	7.6	7.6	8.3	8.3	4	75	75	<0.2	1.0	1.0								
SR3	Cloudy	Moderate	13:30	9.7	Surface	1.0	0.2	82	18.8	18.8	8.0	8.0	29.2	29.2	97.8	97.8	7.7	7.7	11.1	11.1	10	-	-	822148	807580	-	-	-	-	-			
						1.0	0.2	84	18.8	8.0	8.0	29.2	29.2	97.8	97.8	7.7	7.7	11.1	11.1	9	-	-	-	-	-								
					Middle	4.9	0.2	69	18.8	18.8	8.0	8.0	29.2	29.2	97.7	97.7	7.6	7.6	11.6	11.6	10	-	-	-	-	-	-	-	-	-	-	-	
						4.9	0.2	73	18.8	8.0	8.0	29.2	29.2	97.7	97.7	7.6	7.6	11.6	11.6	11	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	8.7	0.2	58	18.8	18.8	8.0	8.0	29.2	29.2	98.9	98.9	7.7	7.7	10.7	10.7	9	-	-	-	-	-	-	-	-	-	-	-	
						8.7	0.3	62	18.8	8.0	8.0	29.2	29.2	98.9	98.9	7.7	7.7	10.7	10.7	10	-	-	-	-	-	-	-	-	-	-	-		
SR4A	Cloudy	Moderate	14:31	8.1	Surface	1.0	0.3	100	18.4	18.4	8.1	8.1	29.6	29.6	97.4	97.4	7.7	7.7	9.8	9.8	6	-	-	817191	807809	-	-	-	-	-			
						1.0	0.3	102	18.4	8.1	8.1	29.6	29.6	97.4	97.4	7.7	7.7	9.8	9.8	6	-	-	-	-	-								
					Middle	4.1	0.2	91	18.4	18.4	8.1	8.1	29.8	29.8	96.9	96.9	7.6	7.6	11.5	11.5	9	-	-	-	-	-	-	-	-	-	-		
						4.1	0.2	98	18.4	8.1	8.1	29.8	29.8	96.9	96.9	7.6	7.6	11.6	11.6	8	-	-	-	-	-	-	-	-	-	-			
					Bottom	7.1	0.2	87	18.3	18.3	8.1	8.1	29.9	29.9	96.6	96.6	7.6	7.6	13.8	13.8	10	-	-	-	-	-	-	-	-	-	-		
						7.1	0.2	88	18.3	8.1	8.1	29.9	29.9	96.6	96.6	7.6	7.6	13.9	13.9	8	-	-	-	-	-	-	-	-	-	-			
SR5A	Cloudy	Calm	14:51	5.8	Surface	1.0	0.2	162	18.6	18.6	8.1	8.1	30.6	30.6	103.2	103.2	8.1	8.1	9.6	9.6	9	-	-	816604	810686	-	-	-	-	-			
						1.0	0.2	163	18.6	8.1	8.1	30.6	30.6	103.2	103.2	8.1	8.1	9.7	9.7	8	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.8	0.1	95	18.5	18.5	8.1	8.1	30.6	30.6	102.3	102.3	8.0	8.0	12.2	12.2	7	-	-	-	-	-	-	-	-	-			
						4.8	0.1	96	18.5	8.1	8.1	30.6	30.6	102.3	102.3	8.0	8.0	12.5	12.5	9	-	-	-	-	-	-	-	-	-				
SR6	Cloudy	Calm	15:13	3.9	Surface	1.0	0.0	61	18.7	18.7	8.1	8.1	30.1	30.1	100.8	100.8	7.9	7.9	6.4	6.4	6	-	-	817880	814638	-	-	-	-	-			
						1.0	0.0	63	18.7	8.1	8.1	30.1	30.1	100.8	100.8	7.9	7.9	6.4	6.4	5	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	2.9	0.1	58	18.7	18.7	8.1	8.1	30.2	30.2	99.9	99.9	7.8	7.8	6.5	6.5	8	-	-	-	-	-	-	-	-				
						2.9	0.1	59	18.7	8.1	8.1	30.2	30.2	99.9	99.9	7.8	7.8	6.5	6.5	7													

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

Water Quality Monitoring Results on 04 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	09:33	8.1	Surface	1.0	0.4	51	18.2	18.2	8.1	8.1	30.1	30.1	96.3	96.3	7.6	7.6	17.3	7.6	10	73	75	815633	804255	<0.2	1.5	1.8	1.8	
						1.0	0.4	54	18.2	18.2	8.1	8.1	30.1	30.1	96.3	96.3	7.6	7.6	17.1	7.6	9	73	75			<0.2	1.6	1.8	1.8	
						4.1	0.4	35	18.2	18.2	8.1	8.1	30.1	30.1	96.0	96.0	7.6	7.6	22.4	7.6	15	75	75			<0.2	2.0	1.8	1.8	
					4.1	0.5	36	18.2	18.2	8.1	8.1	30.1	30.1	96.0	96.0	7.6	7.6	22.6	7.6	14	75	75			<0.2	1.8	1.8	1.8		
					7.1	0.4	36	18.2	18.2	8.1	8.1	30.1	30.1	95.9	95.9	7.6	7.6	26.5	7.6	16	77	75			<0.2	1.8	1.8	1.8		
					7.1	0.4	37	18.2	18.2	8.1	8.1	30.1	30.1	95.9	95.9	7.6	7.6	26.6	7.6	16	76	75			<0.2	1.9	1.8	1.8		
C2	Cloudy	Moderate	10:11	11.6	Surface	1.0	0.4	330	18.9	18.9	7.9	7.9	27.6	27.6	93.9	93.9	7.4	7.4	12.2	7.4	7	72	74	825708	806934	<0.2	3.0	2.9	2.9	
						1.0	0.4	357	18.9	18.9	7.9	7.9	27.6	27.6	93.9	93.9	7.4	7.4	12.2	7.4	6	73	73			<0.2	2.9	2.9	2.9	
						5.8	0.3	356	18.8	18.8	7.9	7.9	27.9	27.9	94.2	94.2	7.4	7.4	18.8	7.4	8	73	73			<0.2	3.2	2.9	2.9	
					5.8	0.4	328	18.8	18.8	7.9	7.9	27.9	27.9	94.2	94.2	7.4	7.4	18.8	7.4	8	73	73			<0.2	3.2	2.9	2.9		
					10.6	0.2	26	18.8	18.8	7.9	7.9	28.3	28.3	94.4	94.4	7.4	7.4	18.2	7.4	6	75	75			<0.2	2.6	2.6	2.6		
					10.6	0.2	26	18.8	18.8	7.9	7.9	28.3	28.3	94.4	94.4	7.4	7.4	18.2	7.4	8	75	75			<0.2	2.9	2.9	2.9		
C3	Cloudy	Moderate	08:28	11.2	Surface	1.0	0.5	261	18.8	18.8	8.0	8.0	29.8	29.8	96.8	96.8	7.6	7.6	8.6	7.6	5	73	75	822138	817784	<0.2	1.3	1.3	1.2	
						1.0	0.5	266	18.8	18.8	8.0	8.0	29.8	29.8	96.8	96.8	7.6	7.6	8.6	7.6	5	73	73			<0.2	1.3	1.3	1.2	
						5.6	0.4	258	18.6	18.6	8.0	8.0	30.0	30.0	97.0	97.0	7.6	7.6	14.2	7.6	5	75	75			<0.2	1.0	1.0	1.2	
					5.6	0.5	281	18.6	18.6	8.0	8.0	30.0	30.0	97.0	97.0	7.6	7.6	14.2	7.6	6	75	75			<0.2	1.2	1.0	1.2		
					10.2	0.4	264	18.6	18.6	8.0	8.0	30.0	30.0	97.4	97.4	7.6	7.6	19.1	7.6	6	77	77			<0.2	1.2	1.2	1.2		
					10.2	0.4	284	18.6	18.6	8.0	8.0	30.0	30.0	97.4	97.4	7.6	7.6	19.1	7.6	5	77	77			<0.2	1.0	1.0	1.2		
IM1	Cloudy	Moderate	09:50	7.2	Surface	1.0	0.5	5	18.4	18.4	8.2	8.2	29.7	29.7	97.0	97.0	7.6	7.6	9.3	7.6	10	73	75	818347	806430	<0.2	1.5	1.6	1.3	
						1.0	0.5	5	18.4	18.4	8.2	8.2	29.7	29.7	97.0	97.0	7.6	7.6	9.4	7.6	9	73	73			<0.2	1.6	1.6	1.3	
						3.6	0.5	2	18.4	18.4	8.2	8.2	29.7	29.7	96.6	96.6	7.6	7.6	12.2	7.6	10	75	75			<0.2	1.2	1.3	1.3	
					3.6	0.5	2	18.4	18.4	8.2	8.2	29.7	29.7	96.6	96.6	7.6	7.6	12.3	7.6	10	75	75			<0.2	1.2	1.3	1.3		
					6.2	0.4	359	18.3	18.3	8.2	8.2	29.9	29.9	96.4	96.4	7.6	7.6	29.8	7.6	13	77	77			<0.2	1.1	1.1	1.1		
					6.2	0.4	330	18.3	18.3	8.2	8.2	29.9	29.9	96.3	96.3	7.6	7.6	29.8	7.6	14	77	77			<0.2	1.0	1.0	1.1		
IM2	Cloudy	Moderate	09:56	8.0	Surface	1.0	0.5	5	18.5	18.5	8.1	8.1	29.4	29.4	96.3	96.3	7.6	7.6	14.4	7.6	11	73	75	818862	806220	<0.2	1.6	1.5	1.4	
						1.0	0.5	5	18.5	18.5	8.1	8.1	29.4	29.4	96.3	96.3	7.6	7.6	14.4	7.6	10	74	74			<0.2	1.5	1.5	1.4	
						4.0	0.5	1	18.5	18.5	8.1	8.1	29.5	29.5	96.0	96.0	7.6	7.6	18.9	7.6	11	75	75			<0.2	1.4	1.4	1.4	
					4.0	0.5	1	18.5	18.5	8.1	8.1	29.5	29.5	96.0	96.0	7.6	7.6	19.2	7.6	12	75	75			<0.2	1.6	1.6	1.4		
					7.0	0.4	3	18.5	18.5	8.1	8.1	29.5	29.5	96.5	96.5	7.6	7.6	22.4	7.6	15	77	77			<0.2	1.0	1.0	1.0		
					7.0	0.4	3	18.5	18.5	8.1	8.1	29.5	29.5	96.5	96.5	7.6	7.6	22.3	7.6	16	77	77			<0.2	1.2	1.2	1.2		
IM3	Cloudy	Moderate	10:04	8.0	Surface	1.0	0.4	24	18.5	18.5	8.1	8.1	29.3	29.3	96.1	96.1	7.6	7.6	13.2	7.6	11	73	75	819438	806011	<0.2	1.6	1.7	1.5	
						1.0	0.4	24	18.5	18.5	8.1	8.1	29.3	29.3	96.1	96.1	7.6	7.6	13.3	7.6	12	73	73			<0.2	1.6	1.7	1.5	
						4.0	0.4	30	18.5	18.5	8.1	8.1	29.3	29.3	95.7	95.7	7.5	7.5	20.7	7.5	11	76	76			<0.2	1.7	1.7	1.5	
					4.0	0.4	31	18.5	18.5	8.1	8.1	29.3	29.3	95.7	95.7	7.5	7.5	20.8	7.5	10	75	75			<0.2	1.5	1.5	1.5		
					7.0	0.3	33	18.5	18.5	8.1	8.1	29.3	29.3	95.9	95.9	7.6	7.6	30.4	7.6	12	77	77			<0.2	1.3	1.3	1.3		
					7.0	0.3	35	18.5	18.5	8.1	8.1	29.3	29.3	96.0	96.0	7.6	7.6	30.8	7.6	13	77	77			<0.2	1.4	1.4	1.4		
IM4	Cloudy	Moderate	10:12	7.5	Surface	1.0	0.5	0	18.5	18.5	8.1	8.1	29.5	29.5	96.6	96.6	7.6	7.6	15.8	7.6	10	73	75	819599	805066	<0.2	1.6	1.4	1.5	
						1.0	0.5	0	18.5	18.5	8.1	8.1	29.5	29.5	96.6	96.6	7.6	7.6	15.9	7.6	11	73	73			<0.2	1.4	1.4	1.5	
						3.8	0.5	3	18.5	18.5	8.1	8.1	29.5	29.5	96.3	96.3	7.6	7.6	18.8	7.6	12	75	75			<0.2	1.6	1.6	1.5	
					3.8	0.5	3	18.5	18.5	8.1	8.1	29.5	29.5	96.4	96.4	7.6	7.6	18.8	7.6	12	75	75			<0.2	1.6	1.6	1.5		
					6.5	0.5	3	18.5	18.5	8.1	8.1	29.5	29.5	96.8	96.8	7.6	7.6	29.4	7.6	14	77	77			<0.2	1.5	1.5	1.5		
					6.5	0.5	3	18.5	18.5	8.1	8.1	29.5	29.5	96.8	96.8	7.6	7.6	29.9	7.6	14	77	77			<0.2	1.3	1.3	1.3		
IM5	Cloudy	Moderate	10:19	6.7	Surface	1.0	0.7	12	18.5	18.5	8.1	8.1	29.4	29.4	96.4	96.4	7.6	7.6	15.3	7.6	12	73	75	820556	804894	<0.2	1.3	1.3	1.5	
						1.0	0.7	13	18.5	18.5	8.1	8.1	29.4	29.4	96.4	96.4	7.6	7.6	14.8	7.6	14	74	74			<0.2	1.6	1.6	1.5	
						3.4	0.6	19	18.5	18.5	8.1	8.1	29.4	29.4	96.3	96.3	7.6	7.6	16.4	7.6	13	75	75			<0.2	1.5	1.5	1.5	
					3.4	0.7	20	18.5	18.5	8.1	8.1	29.4	29.4	96.3	96.3	7.6	7.6	16.6	7.6	14	75	75			<0.2	1.4	1.4	1.5		
					5.7	0.5	19	18.5	18.5	8.1	8.1	29.4	29.4	96.5	96.5	7.6	7.6	18.3	7.6	15	77	77			<0.2	1.3	1.3	1.3		
					5.7	0.6	20	18.5	18.5	8.1	8.1	29.4	29.4	96.5	96.5	7.6	7.6	18.2	7.6	14	77	77			<0.2	1.6	1.6	1.6		
IM6	Cloudy	Moderate	10:26	6.6	Surface	1.0	0.3	47	18.5	18.5	8.1	8.1	29.3	29.3	95.7	95.7	7.5	7.5	11.0	7.5	9	74	75	821074	805814	<0.2	1.7	1.7	1.5	
						1.0	0.3	47	18.5	18.5	8.1	8.1	29.3	29.3	95.7	95.7	7.5	7.5	11.0											

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

Water Quality Monitoring Results on 04 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
IM9	Cloudy	Moderate	09:37	6.6	Surface	1.0	0.2	345	18.8	18.8	8.0	8.0	28.6	28.6	96.0	96.0	7.5	7.5	14.8	14.7	9	73	74	822067	808785	<0.2	<0.2	2.1	2.0			
						1.0	0.2	317	18.8	8.0	8.0	28.6	28.6	96.0	96.0	7.5	7.5	14.8	14.7	11	72	74	822067	808785	<0.2	<0.2	1.8	1.8				
					Middle	3.3	0.2	353	18.8	18.8	8.0	8.0	28.6	28.6	97.1	97.1	7.6	7.6	15.5	15.5	11	73	74	822067	808785	<0.2	<0.2	1.8	1.5			
						3.3	0.2	325	18.8	18.8	8.0	8.0	28.6	28.6	97.1	97.1	7.6	7.6	15.5	15.5	11	74	75	822067	808785	<0.2	<0.2	1.8	1.1			
					Bottom	5.6	0.2	10	18.8	18.8	8.0	8.0	28.6	28.6	99.0	99.0	7.8	7.8	13.8	13.8	12	75	75	822067	808785	<0.2	<0.2	1.7	1.7			
						5.6	0.2	10	18.8	18.8	8.0	8.0	28.6	28.6	99.0	99.0	7.8	7.8	13.8	13.8	12	75	75	822067	808785	<0.2	<0.2	2.0	2.0			
IM10	Cloudy	Moderate	09:30	6.5	Surface	1.0	0.5	322	18.9	18.9	8.0	8.0	28.8	28.8	95.5	95.5	7.5	7.5	20.8	22.4	18	73	74	822216	809820	<0.2	<0.2	1.7	1.9			
						1.0	0.6	350	18.9	18.9	8.0	8.0	28.8	28.8	95.5	95.5	7.5	7.5	20.8	22.4	17	73	74	822216	809820	<0.2	<0.2	1.8	1.8			
					Middle	3.3	0.5	321	18.8	18.8	8.0	8.0	28.8	28.8	95.9	95.9	7.5	7.5	22.2	22.2	18	74	75	822216	809820	<0.2	<0.2	1.7	1.7			
						3.3	0.5	328	18.8	18.8	8.0	8.0	28.8	28.8	95.9	95.9	7.5	7.5	22.2	22.2	19	75	75	822216	809820	<0.2	<0.2	1.7	1.7			
					Bottom	5.5	0.5	325	18.8	18.8	8.0	8.0	28.8	28.8	97.4	97.4	7.6	7.6	24.3	24.3	17	76	75	822216	809820	<0.2	<0.2	1.7	1.7			
						5.5	0.5	356	18.8	18.8	8.0	8.0	28.8	28.8	97.4	97.4	7.6	7.6	24.3	24.3	17	75	75	822216	809820	<0.2	<0.2	1.7	1.7			
IM11	Cloudy	Moderate	09:19	6.7	Surface	1.0	0.4	299	18.8	18.8	8.0	8.0	29.1	29.1	96.8	96.8	7.6	7.6	18.8	22.4	12	73	74	821528	810532	<0.2	<0.2	1.8	1.8			
						1.0	0.4	309	18.8	18.8	8.0	8.0	29.1	29.1	96.8	96.8	7.6	7.6	18.8	22.4	14	73	74	821528	810532	<0.2	<0.2	1.8	1.8			
					Middle	3.4	0.4	303	18.8	18.8	8.0	8.0	29.2	29.2	97.3	97.3	7.6	7.6	23.5	23.5	16	74	74	821528	810532	<0.2	<0.2	1.4	1.4			
						3.4	0.4	305	18.8	18.8	8.0	8.0	29.2	29.2	97.3	97.3	7.6	7.6	23.5	23.5	14	73	75	821528	810532	<0.2	<0.2	1.5	1.6			
					Bottom	5.7	0.4	296	18.7	18.7	8.0	8.0	29.3	29.3	98.6	98.6	7.7	7.7	25.0	25.0	14	75	75	821528	810532	<0.2	<0.2	1.6	1.6			
						5.7	0.4	320	18.7	18.7	8.0	8.0	29.3	29.3	98.6	98.6	7.7	7.7	25.0	25.0	15	75	75	821528	810532	<0.2	<0.2	1.6	1.6			
IM12	Cloudy	Moderate	09:13	7.8	Surface	1.0	0.5	285	18.8	18.8	8.0	8.0	29.1	29.1	98.2	98.2	7.7	7.7	15.2	16.8	12	73	74	821157	811528	<0.2	<0.2	1.8	1.6			
						1.0	0.5	309	18.8	18.8	8.0	8.0	29.1	29.1	98.2	98.2	7.7	7.7	15.2	16.8	10	73	74	821157	811528	<0.2	<0.2	1.6	1.6			
					Middle	3.9	0.5	274	18.6	18.6	8.0	8.0	30.1	30.1	98.1	98.1	7.7	7.7	17.7	17.7	12	74	74	821157	811528	<0.2	<0.2	1.6	1.6			
						3.9	0.6	280	18.6	18.6	8.0	8.0	30.1	30.1	98.1	98.1	7.7	7.7	17.7	17.7	10	73	75	821157	811528	<0.2	<0.2	1.7	1.6			
					Bottom	6.8	0.4	277	18.6	18.6	8.0	8.0	30.1	30.1	99.0	99.0	7.7	7.7	17.5	17.5	10	75	75	821157	811528	<0.2	<0.2	1.6	1.6			
						6.8	0.5	277	18.6	18.6	8.0	8.0	30.1	30.1	99.0	99.0	7.7	7.7	17.5	17.5	11	75	75	821157	811528	<0.2	<0.2	1.6	1.6			
SR2	Cloudy	Moderate	08:48	3.8	Surface	1.0	0.2	189	18.6	18.6	8.0	8.0	29.8	29.8	97.9	97.9	7.7	7.7	16.6	17.4	11	73	74	821467	814141	<0.2	<0.2	1.4	1.3			
						1.0	0.2	189	18.6	18.6	8.0	8.0	29.8	29.8	97.9	97.9	7.7	7.7	16.6	17.4	11	73	74	821467	814141	<0.2	<0.2	1.3	1.3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821467	814141	<0.2	<0.2	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821467	814141	<0.2	<0.2	-
					Bottom	2.8	0.2	189	18.6	18.6	8.0	8.0	29.8	29.8	98.6	98.6	7.7	7.7	18.2	18.2	13	75	75	821467	814141	<0.2	<0.2	1.4	1.4			
						2.8	0.2	196	18.6	18.6	8.0	8.0	29.8	29.8	98.6	98.6	7.7	7.7	18.2	18.2	13	75	75	821467	814141	<0.2	<0.2	1.4	1.3			
SR3	Cloudy	Moderate	09:51	8.4	Surface	1.0	0.2	1	18.9	18.9	8.0	8.0	28.1	28.1	96.4	96.4	7.6	7.6	12.8	18.7	7	-	-	822120	807563	-	-	-	-			
						1.0	0.2	1	18.9	18.9	8.0	8.0	28.1	28.1	96.4	96.4	7.6	7.6	12.8	18.7	9	-	-	822120	807563	-	-	-	-			
					Middle	4.2	0.4	9	18.8	18.8	8.0	8.0	28.8	28.8	96.6	96.6	7.6	7.6	15.8	15.8	10	-	-	-	-	822120	807563	-	-	-	-	
						4.2	0.4	9	18.8	18.8	8.0	8.0	28.8	28.8	96.6	96.6	7.6	7.6	15.8	15.8	9	-	-	-	-	822120	807563	-	-	-	-	
					Bottom	7.4	0.3	12	18.8	18.8	8.0	8.0	29.0	29.0	97.4	97.4	7.6	7.6	27.4	27.4	10	-	-	-	-	-	822120	807563	-	-	-	-
						7.4	0.3	13	18.8	18.8	8.0	8.0	29.0	29.0	97.4	97.4	7.6	7.6	27.4	27.4	12	-	-	-	-	-	822120	807563	-	-	-	-
SR4A	Cloudy	Moderate	09:12	8.6	Surface	1.0	0.1	204	18.4	18.4	8.1	8.1	30.5	30.5	99.0	99.0	7.8	7.8	10.9	10.6	9	-	-	817159	807797	-	-	-	-			
						1.0	0.1	218	18.4	18.4	8.1	8.1	30.5	30.5	99.0	99.0	7.8	7.8	11.0	10.6	9	-	-	817159	807797	-	-	-	-			
					Middle	4.3	0.1	187	18.4	18.4	8.1	8.1	30.5	30.5	98.7	98.7	7.7	7.7	9.9	9.9	8	-	-	-	-	817159	807797	-	-	-	-	
						4.3	0.1	187	18.4	18.4	8.1	8.1	30.5	30.5	98.7	98.7	7.7	7.7	9.9	9.9	7	-	-	-	-	817159	807797	-	-	-	-	
					Bottom	7.6	0.1	211	18.4	18.4	8.1	8.1	30.5	30.5	98.1	98.1	7.7	7.7	10.9	10.9	10	-	-	-	-	-	817159	807797	-	-	-	-
						7.6	0.1	215	18.4	18.4	8.1	8.1	30.5	30.5	98.1	98.1	7.7	7.7	11.0	11.0	10	-	-	-	-	-	817159	807797	-	-	-	-
SR5A	Cloudy	Calm	08:56	4.5	Surface	1.0	0.3	291	18.4	18.4	8.1	8.1	30.5	30.5	99.6	99.6	7.8	7.8	7.5	8.2	8	-	-	816596	810712	-	-	-	-			
						1.0	0.3	296	18.4	18.4	8.1	8.1	30.5	30.5	99.6	99.6	7.8	7.8	7.5	8.2	9	-	-	816596	810712	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816596	810712	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816596	810712	-	-	-	-	
					Bottom	3.5	0.3	295	18.4	18.4	8.1	8.1	30.5	30.5	99.0	99.0	7.8	7.8	8.9	8.9	9	-	-	-	-	816596	810712	-	-	-	-	
						3.5	0.3	324	18.4	18.4	8.1	8.1	30.5	30.5	99.0	99.0																

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value
C1	Cloudy	Moderate	15:49	8.9	Surface	1.0	0.2	216	18.0	18.0	8.1	8.1	30.1	30.1	96.1	96.1	7.6	7.6	10.6	10.6	10	73	75	815643	804218	<0.2	0.6	0.9		
						1.0	0.2	234	18.0	8.1	8.1	30.1	30.1	96.1	96.1	7.6	7.6	10.7	10.7	10	73	75	815643	804218	<0.2	0.7				
						4.5	0.2	179	18.0	8.1	8.1	30.8	30.8	95.9	95.9	7.6	7.6	14.5	14.5	10	75	75	815643	804218	<0.2	1.3				
					4.5	0.2	190	18.0	8.1	8.1	30.8	30.8	95.9	95.9	7.6	7.6	14.2	14.2	11	75	75	815643	804218	<0.2	1.1					
					7.9	0.1	168	18.1	8.1	8.1	31.2	31.2	95.9	95.9	7.5	7.5	21.6	21.6	17	77	77	815643	804218	<0.2	0.8					
					7.9	0.1	177	18.1	8.1	8.1	31.2	31.2	95.9	95.9	7.5	7.5	21.6	21.6	15	77	77	815643	804218	<0.2	1.1					
C2	Rainy	Moderate	14:45	12.1	Surface	1.0	0.1	33	18.9	18.9	8.0	8.0	28.0	28.0	93.7	93.7	7.4	7.4	9.0	9.0	6	72	73	825695	806940	<0.2	2.5	2.5		
						1.0	0.1	33	18.9	8.0	8.0	28.0	28.0	93.7	93.7	7.4	7.4	9.0	9.0	7	71	71	825695	806940	<0.2	2.3				
						6.1	0.1	50	18.9	8.0	8.0	28.1	28.1	94.2	94.2	7.4	7.4	13.0	13.0	7	72	72	825695	806940	<0.2	2.8				
					6.1	0.2	53	18.9	8.0	8.0	28.1	28.1	94.2	94.2	7.4	7.4	13.0	13.0	7	72	72	825695	806940	<0.2	2.6					
					11.1	0.1	27	18.9	8.0	8.0	28.2	28.2	95.1	95.1	7.5	7.5	17.2	17.2	12	75	75	825695	806940	<0.2	2.2					
					11.1	0.1	27	18.9	8.0	8.0	28.2	28.2	95.1	95.1	7.5	7.5	17.2	17.2	12	75	75	825695	806940	<0.2	2.8					
C3	Cloudy	Moderate	16:39	12.1	Surface	1.0	0.3	66	18.7	18.7	8.1	8.1	28.7	28.7	93.8	93.8	7.4	7.4	5.3	5.3	4	73	75	822099	817798	<0.2	1.6	1.6		
						1.0	0.3	70	18.7	8.1	8.1	28.7	28.7	93.8	93.8	7.4	7.4	5.3	5.3	5	73	75	822099	817798	<0.2	1.5				
						6.1	0.3	84	18.7	8.1	8.1	28.9	28.9	93.5	93.5	7.4	7.4	6.9	6.9	6	74	74	822099	817798	<0.2	1.6				
					6.1	0.3	85	18.7	8.1	8.1	28.9	28.9	93.5	93.5	7.4	7.4	6.9	6.9	5	75	75	822099	817798	<0.2	1.7					
					11.1	0.3	90	18.7	8.1	8.1	29.1	29.1	94.0	94.0	7.4	7.4	7.9	7.9	4	76	76	822099	817798	<0.2	1.7					
					11.1	0.3	95	18.7	8.1	8.1	29.1	29.1	94.0	94.0	7.4	7.4	7.9	7.9	4	77	77	822099	817798	<0.2	1.6					
IM1	Cloudy	Moderate	15:32	7.6	Surface	1.0	0.1	199	18.1	18.1	8.1	8.1	29.7	29.7	94.9	94.9	7.5	7.5	12.7	12.7	10	73	75	818323	806473	<0.2	1.6	1.5		
						1.0	0.1	203	18.1	8.1	8.1	29.7	29.7	94.9	94.9	7.5	7.5	12.7	12.7	10	73	75	818323	806473	<0.2	1.5				
						3.8	0.0	129	18.1	8.1	8.1	29.9	29.9	94.6	94.6	7.5	7.5	17.7	17.7	12	75	75	818323	806473	<0.2	1.7				
					3.8	0.0	139	18.1	8.1	8.1	29.9	29.9	94.6	94.6	7.5	7.5	17.8	17.8	11	75	75	818323	806473	<0.2	1.5					
					6.6	0.1	117	18.2	8.1	8.1	30.2	30.2	94.6	94.6	7.5	7.5	28.5	28.5	11	77	77	818323	806473	<0.2	1.6					
					6.6	0.1	121	18.2	8.1	8.1	30.2	30.2	94.6	94.6	7.5	7.5	28.6	28.6	13	77	77	818323	806473	<0.2	1.3					
IM2	Cloudy	Moderate	15:26	8.7	Surface	1.0	0.1	256	18.1	18.1	8.1	8.1	29.8	29.8	94.9	94.9	7.5	7.5	13.3	13.3	12	73	75	818858	806207	<0.2	1.2	1.5		
						1.0	0.1	269	18.1	8.1	8.1	29.8	29.8	94.9	94.9	7.5	7.5	13.4	13.4	13	73	75	818858	806207	<0.2	1.5				
						4.4	0.0	141	18.1	8.1	8.1	29.9	29.9	94.6	94.6	7.5	7.5	16.5	16.5	12	75	75	818858	806207	<0.2	1.6				
					4.4	0.0	141	18.1	8.1	8.1	29.8	29.8	94.6	94.6	7.5	7.5	16.4	16.4	12	75	75	818858	806207	<0.2	1.5					
					7.7	0.2	105	18.2	8.1	8.1	30.3	30.3	94.5	94.5	7.4	7.4	24.7	24.7	14	77	77	818858	806207	<0.2	1.5					
					7.7	0.2	112	18.2	8.1	8.1	30.3	30.3	94.5	94.5	7.4	7.4	24.8	24.8	15	77	77	818858	806207	<0.2	1.4					
IM3	Cloudy	Moderate	15:18	8.7	Surface	1.0	0.1	313	18.1	18.1	8.1	8.1	29.9	29.9	94.8	94.8	7.5	7.5	14.7	14.7	14	73	75	819428	806037	<0.2	1.4	1.3		
						1.0	0.1	338	18.1	8.1	8.1	29.9	29.9	94.8	94.8	7.5	7.5	14.8	14.8	14	73	75	819428	806037	<0.2	1.4				
						4.4	0.1	40	18.1	8.1	8.1	30.0	30.0	94.5	94.5	7.5	7.5	18.3	18.3	14	75	75	819428	806037	<0.2	1.3				
					4.4	0.1	43	18.1	8.1	8.1	30.0	30.0	94.5	94.5	7.5	7.5	18.3	18.3	14	75	75	819428	806037	<0.2	1.4					
					7.7	0.1	126	18.2	8.1	8.1	30.2	30.2	94.3	94.3	7.4	7.4	26.0	26.0	14	77	77	819428	806037	<0.2	1.0					
					7.7	0.1	127	18.2	8.1	8.1	30.2	30.2	94.3	94.3	7.4	7.4	26.3	26.3	15	76	76	819428	806037	<0.2	1.4					
IM4	Rainy	Moderate	15:10	8.0	Surface	1.0	0.1	307	18.1	18.1	8.1	8.1	29.7	29.7	94.9	94.9	7.5	7.5	13.1	13.1	10	73	75	819560	805054	<0.2	1.5	1.5		
						1.0	0.1	319	18.1	8.1	8.1	29.7	29.7	94.9	94.9	7.5	7.5	13.1	13.1	11	73	75	819560	805054	<0.2	1.5				
						4.0	0.1	61	18.1	8.1	8.1	30.0	30.0	94.4	94.4	7.5	7.5	21.0	21.0	11	75	75	819560	805054	<0.2	1.2				
					4.0	0.1	62	18.1	8.1	8.1	30.0	30.0	94.4	94.4	7.5	7.5	21.1	21.1	12	75	75	819560	805054	<0.2	1.5					
					7.0	0.1	65	18.2	8.1	8.1	30.2	30.2	94.3	94.3	7.4	7.4	24.3	24.3	13	77	77	819560	805054	<0.2	1.6					
					7.0	0.1	69	18.2	8.1	8.1	30.2	30.2	94.4	94.4	7.4	7.4	24.2	24.2	13	76	76	819560	805054	<0.2	1.6					
IM5	Rainy	Moderate	15:00	7.3	Surface	1.0	0.1	17	18.1	18.1	8.1	8.1	29.4	29.4	94.5	94.5	7.5	7.5	17.9	17.9	14	73	75	820548	804953	<0.2	1.7	1.7		
						1.0	0.1	18	18.1	8.1	8.1	29.5	29.5	94.5	94.5	7.5	7.5	17.7	17.7	14	73	75	820548	804953	<0.2	2.0				
						3.7	0.1	62	18.2	8.1	8.1	29.7	29.7	93.8	93.8	7.4	7.4	19.4	19.4	17	75	75	820548	804953	<0.2	1.8				
					3.7	0.1	65	18.2	8.1	8.1	29.7	29.7	93.8	93.8	7.4	7.4	19.3	19.3	18	75	75	820548	804953	<0.2	1.7					
					6.3	0.1	4	18.2	8.1	8.1	29.7	29.7	93.8	93.8	7.4	7.4	23.4	23.4	19	76	76	820548	804953	<0.2	1.7					
					6.3	0.1	4	18.2	8.1	8.1	29.7	29.7	93.9	93.9	7.4	7.4	23.4	23.4	18	76	76	820548	804953	<0.2	1.5					
IM6	Rainy	Moderate	14:52	7.2	Surface	1.0	0.1	51	18.1	18.1	8.1	8.1	29.6	29.6	94.6	94.6	7.5	7.5	16.7	16.7	17	73	75	821075	805825	<0.2	1.6	1.6		
						1.0	0.1	51	18.1	8.1	8.1	29.6	29.6	94.6	94.6	7.5	7.5	16.6	16.6	16	73	75	821075	805825	<0.2	1.6				
						3.6	0.1	51	18.1	8.1	8.1	29.6	29.6	94.3	94.3	7.5	7.5	20.3	20.3	15	75	75	821075	805825	<0.2	1.6				
					3.6	0.1	51	18.1	8.1	8.1	29.6	29.6	94.3	94.3	7.5	7.5	20.3	20.3	17	75	75	821075	805825	<0.2	1.6					
					6.2	0.2	58																							

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Rainy	Rough	15:23	7.6	Surface	1.0	0.2	109	18.7	18.7	8.2	8.2	27.7	27.7	95.5	95.5	7.6	7.6	11.3	7.6	8	73	74	822111	808790	<0.2	<0.2	1.9	1.9				
						1.0	0.2	112	18.7	18.7	8.2	8.2	27.7	27.7	95.5	95.5	7.6	7.6	11.3	7.6	10	72	74			<0.2	<0.2	2.2	2.2				
					Middle	3.8	0.2	95	18.6	18.6	8.2	8.2	28.0	28.0	95.4	95.4	7.6	7.6	13.2	7.6	10	73	10	74	74			<0.2	<0.2	1.7	1.7		
						3.8	0.2	97	18.6	18.6	8.2	8.2	28.0	28.0	95.4	95.4	7.6	7.6	13.2	7.6	10	74	12	75	75			<0.2	<0.2	1.9	1.9		
					Bottom	6.6	0.3	80	18.5	18.5	8.2	8.2	28.3	28.3	95.1	95.1	7.5	7.5	17.3	7.5	12	74	12	75	12	75	74			<0.2	<0.2	1.6	1.6
						6.6	0.3	86	18.5	18.5	8.2	8.2	28.3	28.3	95.1	95.1	7.5	7.5	17.3	7.5	12	75	12	75	12	75	74			<0.2	<0.2	1.6	1.6
IM10	Rainy	Rough	15:33	6.7	Surface	1.0	0.3	108	18.6	18.6	8.1	8.1	29.1	29.1	94.8	94.8	7.5	7.5	14.5	7.5	12	73	74	822210	809810	<0.2	<0.2	1.4	1.4				
						1.0	0.3	113	18.6	18.6	8.1	8.1	29.1	29.1	94.8	94.8	7.5	7.5	14.5	7.5	14	72	14	75	74			<0.2	<0.2	1.9	1.9		
					Middle	3.4	0.3	113	18.6	18.6	8.1	8.1	29.2	29.2	94.9	94.9	7.5	7.5	16.5	7.5	12	75	12	75	12	75	74			<0.2	<0.2	1.3	1.3
						3.4	0.3	116	18.6	18.6	8.1	8.1	29.2	29.2	94.9	94.9	7.5	7.5	16.5	7.5	12	75	20	75	20	75	74			<0.2	<0.2	1.9	1.9
					Bottom	5.7	0.3	111	18.6	18.6	8.1	8.1	29.2	29.2	95.7	95.7	7.5	7.5	13.8	7.5	22	76	22	76	22	76	74			<0.2	<0.2	2.0	2.0
						5.7	0.3	121	18.6	18.6	8.1	8.1	29.2	29.2	95.7	95.7	7.5	7.5	13.8	7.5	22	76	22	76	22	76	74			<0.2	<0.2	2.0	2.0
IM11	Rainy	Rough	15:43	8.4	Surface	1.0	0.3	102	18.7	18.7	8.2	8.2	27.7	27.7	94.9	94.9	7.5	7.5	12.3	7.5	12	73	12	73	74	821471	810523	<0.2	<0.2	2.3	2.3		
						1.0	0.3	104	18.7	18.7	8.2	8.2	27.7	27.7	94.9	94.9	7.5	7.5	12.3	7.5	10	73	10	74	74			<0.2	<0.2	1.6	1.6		
					Middle	4.2	0.2	94	18.7	18.7	8.2	8.2	27.8	27.8	94.8	94.8	7.5	7.5	11.9	7.5	13	74	13	74	13	74	74			<0.2	<0.2	1.3	1.3
						4.2	0.2	98	18.7	18.7	8.2	8.2	27.8	27.8	94.8	94.8	7.5	7.5	11.9	7.5	13	74	12	75	12	75	74			<0.2	<0.2	2.4	2.4
					Bottom	7.4	0.2	87	18.7	18.7	8.1	8.1	28.4	28.4	95.1	95.1	7.5	7.5	12.3	7.5	11	75	11	75	11	75	74			<0.2	<0.2	2.0	2.0
						7.4	0.2	87	18.7	18.7	8.1	8.1	28.4	28.4	95.1	95.1	7.5	7.5	12.3	7.5	11	75	11	75	11	75	74			<0.2	<0.2	2.0	2.0
IM12	Cloudy	Rough	15:51	9.0	Surface	1.0	0.4	84	18.6	18.6	8.1	8.1	28.6	28.6	95.1	95.1	7.5	7.5	9.3	7.5	14	73	14	73	74	821176	811546	<0.2	<0.2	1.9	1.9		
						1.0	0.4	87	18.6	18.6	8.1	8.1	28.6	28.6	95.1	95.1	7.5	7.5	9.3	7.5	12	73	12	74	12	74	74			<0.2	<0.2	1.6	1.6
					Middle	4.5	0.3	96	18.6	18.6	8.1	8.1	28.9	28.9	95.2	95.2	7.5	7.5	8.4	7.5	12	74	12	75	12	75	74			<0.2	<0.2	2.0	2.0
						4.5	0.3	103	18.6	18.6	8.1	8.1	28.9	28.9	95.2	95.2	7.5	7.5	8.4	7.5	12	75	12	75	12	75	74			<0.2	<0.2	1.8	1.8
					Bottom	8.0	0.2	105	18.6	18.6	8.1	8.1	29.0	29.0	95.9	95.9	7.5	7.5	8.2	7.5	12	75	12	76	12	76	74			<0.2	<0.2	1.7	1.7
						8.0	0.3	114	18.6	18.6	8.1	8.1	29.0	29.0	95.9	95.9	7.5	7.5	8.2	7.5	12	76	12	76	12	76	74			<0.2	<0.2	1.7	1.7
SR2	Cloudy	Moderate	16:18	3.8	Surface	1.0	0.4	99	18.7	18.7	8.1	8.1	28.8	28.8	95.6	95.6	7.5	7.5	8.2	7.5	6	73	6	74	821472	814171	<0.2	<0.2	1.9	1.9			
						1.0	0.4	106	18.7	18.7	8.1	8.1	28.8	28.8	95.6	95.6	7.5	7.5	8.2	7.5	4	73	4	75	4	75	74			<0.2	<0.2	1.7	1.7
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821472	814171	<0.2	<0.2	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821472	814171	<0.2	<0.2	-
					Bottom	2.8	0.2	109	18.7	18.7	8.1	8.1	29.1	29.1	96.3	96.3	7.6	7.6	4.8	7.6	6	75	6	75	6	75	74			<0.2	<0.2	1.7	1.7
						2.8	0.2	118	18.7	18.7	8.1	8.1	29.1	29.1	96.3	96.3	7.6	7.6	4.8	7.6	4	75	4	75	4	75	74			<0.2	<0.2	1.6	1.6
SR3	Rainy	Moderate	15:09	9.3	Surface	1.0	0.1	84	18.6	18.6	8.1	8.1	29.0	29.0	95.3	95.3	7.5	7.5	15.4	7.5	13	-	-	-	822153	807544	-	-	-	-			
						1.0	0.1	84	18.6	18.6	8.1	8.1	29.0	29.0	95.3	95.3	7.5	7.5	15.4	7.5	12	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.7	0.2	73	18.6	18.6	8.1	8.1	29.0	29.0	95.4	95.4	7.5	7.5	16.9	7.5	12	-	-	-	-	-	-	-	-	-	-	-	-
						4.7	0.2	79	18.6	18.6	8.1	8.1	29.0	29.0	95.4	95.4	7.5	7.5	16.9	7.5	12	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	8.3	0.3	77	18.5	18.5	8.1	8.1	29.1	29.1	96.0	96.0	7.6	7.6	21.4	7.6	14	-	-	-	-	-	-	-	-	-	-	-	-
						8.3	0.3	78	18.5	18.5	8.1	8.1	29.1	29.1	96.0	96.0	7.6	7.6	21.4	7.6	12	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Cloudy	Moderate	16:12	9.2	Surface	1.0	0.3	102	18.1	18.1	8.1	8.1	29.6	29.6	94.9	94.9	7.5	7.5	10.8	7.5	8	-	-	-	-	-	-	-	-	-			
						1.0	0.3	106	18.1	18.1	8.1	8.1	29.6	29.6	94.9	94.9	7.5	7.5	10.8	7.5	10	-	-	-	-	-	-	-	-	-	-		
					Middle	4.6	0.3	89	18.1	18.1	8.1	8.1	29.6	29.6	94.8	94.8	7.5	7.5	11.0	7.5	10	-	-	-	-	-	-	-	-	-	-	-	
						4.6	0.3	92	18.1	18.1	8.1	8.1	29.6	29.6	94.8	94.8	7.5	7.5	11.1	7.5	10	-	-	-	-	-	-	-	-	-	-		
					Bottom	8.2	0.3	68	18.2	18.2	8.1	8.1	29.6	29.6	94.8	94.8	7.5	7.5	12.7	7.5	11	-	-	-	-	-	-	-	-	-	-	-	
						8.2	0.3	70	18.2	18.2	8.1	8.1	29.6	29.6	94.9	94.9	7.5	7.5	12.6	7.5	12	-	-	-	-	-	-	-	-	-	-		
SR5A	Cloudy	Moderate	16:26	4.3	Surface	1.0	0.1	341	18.3	18.3	8.1	8.1	30.0	30.0	95.9	95.9	7.6	7.6	7.4	7.6	8	-	-	-	-	-	-	-	-				
						1.0	0.1	314	18.3	18.3	8.1	8.1	30.0	30.0	95.9	95.9	7.6	7.6	7.4	7.6	8	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.3	0.1	313	18.3	18.3	8.1	8.1	30.0	30.0	96.1	96.1	7.6	7.6	7.9	7.6	9	-	-	-	-								

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	11:03	8.2	Surface	1.0	0.5	46	18.1	8.0	8.0	29.4	29.4	94.5	94.5	7.5	7.5	15.7	7.5	18	73	75	75	815649	804240	<0.2	1.9	<0.2	1.8	
						1.0	0.5	49	18.1	8.0	8.0	29.4	29.4	94.5	94.5	7.5	7.5	15.4	7.5	17	74	75	74							
						4.1	0.4	50	18.2	8.1	8.1	29.9	29.9	94.2	94.2	7.4	7.4	22.2	7.4	20	75	75	75							
					4.1	0.5	53	18.2	8.1	8.1	29.9	29.9	94.2	94.2	7.4	7.4	22.4	7.4	20	75	75	75								
					7.2	0.4	48	18.2	8.1	8.1	30.0	30.0	94.2	94.2	7.4	7.4	26.5	7.4	21	77	75	75								
					7.2	0.4	48	18.2	8.1	8.1	30.0	30.0	94.2	94.2	7.4	7.4	26.4	7.4	20	77	75	75								
C2	Rainy	Moderate	11:47	11.8	Surface	1.0	0.5	334	19.0	8.0	8.0	27.7	27.7	92.6	92.6	7.3	7.3	8.8	7.3	6	72	71	71	825702	806928	<0.2	2.4	<0.2	2.4	
						1.0	0.5	349	19.0	8.0	8.0	27.7	27.7	92.6	92.6	7.3	7.3	8.8	7.3	7	71	73	73							
						5.9	0.4	339	19.0	8.0	8.0	27.9	27.9	92.5	92.5	7.3	7.3	10.8	7.3	8	73	75	75							
					5.9	0.4	349	19.0	8.0	8.0	27.9	27.9	92.5	92.5	7.3	7.3	10.8	7.3	8	72	75	75								
					10.8	0.3	1	19.0	8.0	8.0	28.2	28.2	92.1	92.1	7.2	7.2	20.6	7.2	9	75	75	75								
					10.8	0.3	1	19.0	8.0	8.0	28.2	28.2	92.1	92.1	7.2	7.2	20.6	7.2	11	74	75	74								
C3	Rainy	Moderate	09:54	11.3	Surface	1.0	0.5	268	18.7	8.0	8.0	29.3	29.3	94.2	94.2	7.4	7.4	8.1	7.4	5	73	73	73	822111	817777	<0.2	1.3	<0.2	1.4	
						1.0	0.5	272	18.7	8.0	8.0	29.3	29.3	94.2	94.2	7.4	7.4	8.1	7.4	6	73	75	75							
						5.7	0.5	269	18.7	8.0	8.0	29.6	29.6	93.9	93.9	7.4	7.4	14.7	7.4	9	75	75	75							
					5.7	0.5	281	18.7	8.0	8.0	29.6	29.6	93.9	93.9	7.4	7.4	14.7	7.4	9	75	75	75								
					10.3	0.4	270	18.7	8.0	8.0	29.6	29.6	94.3	94.3	7.4	7.4	17.4	7.4	20	77	75	75								
					10.3	0.4	272	18.7	8.0	8.0	29.6	29.6	94.3	94.3	7.4	7.4	17.4	7.4	20	77	75	74								
IM1	Cloudy	Moderate	11:22	7.2	Surface	1.0	0.4	356	18.3	8.2	8.2	29.3	29.3	95.2	95.2	7.5	7.5	10.9	7.5	10	74	10	74	818354	806472	<0.2	1.3	<0.2	1.3	
						1.0	0.4	328	18.3	8.2	8.2	29.3	29.3	95.2	95.2	7.5	7.5	11.0	7.5	10	74	12	75							
						3.6	0.4	5	18.3	8.2	8.2	29.3	29.3	95.0	95.0	7.5	7.5	13.5	7.5	13	75	13	75							
					3.6	0.5	5	18.3	8.2	8.2	29.3	29.3	95.0	95.0	7.5	7.5	13.7	7.5	13	76	14	75								
					6.2	0.4	1	18.3	8.1	8.1	29.3	29.3	95.0	95.0	7.5	7.5	17.6	7.5	14	77	14	77								
					6.2	0.4	1	18.3	8.1	8.1	29.3	29.3	95.0	95.0	7.5	7.5	17.7	7.5	12	77	12	77								
IM2	Cloudy	Moderate	11:30	8.1	Surface	1.0	0.4	12	18.3	8.1	8.1	29.1	29.1	94.6	94.7	7.5	7.5	16.2	7.5	16	74	16	73	818850	806212	<0.2	1.4	<0.2	1.5	
						1.0	0.4	13	18.3	8.1	8.1	29.1	29.1	94.7	94.7	7.5	7.5	16.1	7.5	16	73	16	76							
						4.1	0.4	31	18.3	8.1	8.1	29.1	29.1	94.3	94.3	7.5	7.5	21.2	7.5	17	76	17	75							
					4.1	0.4	33	18.3	8.1	8.1	29.1	29.1	94.3	94.3	7.5	7.5	21.1	7.5	17	75	17	75								
					7.1	0.4	21	18.4	8.1	8.1	29.1	29.1	94.6	94.6	7.5	7.5	26.4	7.5	23	77	21	77								
					7.1	0.4	22	18.4	8.1	8.1	29.1	29.1	94.6	94.6	7.5	7.5	26.1	7.5	21	77	21	77								
IM3	Cloudy	Moderate	11:38	8.2	Surface	1.0	0.3	21	18.4	8.1	8.1	29.1	29.1	94.6	94.6	7.5	7.5	13.8	7.5	13	74	13	74	819412	806025	<0.2	1.3	<0.2	1.5	
						1.0	0.4	22	18.4	8.1	8.1	29.1	29.1	94.6	94.6	7.5	7.5	13.7	7.5	13	74	15	76							
						4.1	0.4	38	18.4	8.1	8.1	29.1	29.1	94.3	94.3	7.4	7.4	19.0	7.4	14	76	14	76							
					4.1	0.4	39	18.4	8.1	8.1	29.1	29.1	94.3	94.3	7.4	7.4	19.1	7.4	14	76	16	76								
					7.2	0.4	30	18.4	8.1	8.1	29.1	29.1	94.3	94.3	7.4	7.4	22.8	7.4	16	77	16	76								
					7.2	0.4	31	18.4	8.1	8.1	29.1	29.1	94.3	94.3	7.4	7.4	22.7	7.4	14	77	16	77								
IM4	Cloudy	Moderate	11:46	7.6	Surface	1.0	0.5	357	18.4	8.1	8.1	29.1	29.1	94.5	94.5	7.5	7.5	13.6	7.5	12	74	12	74	819594	805041	<0.2	1.6	<0.2	1.6	
						1.0	0.5	328	18.4	8.1	8.1	29.1	29.1	94.5	94.5	7.5	7.5	13.7	7.5	13	74	14	76							
						3.8	0.4	0	18.4	8.1	8.1	29.1	29.1	94.3	94.3	7.5	7.5	20.4	7.5	14	76	16	76							
					3.8	0.4	0	18.4	8.1	8.1	29.1	29.1	94.3	94.3	7.5	7.5	20.5	7.5	14	76	16	76								
					6.6	0.4	0	18.4	8.1	8.1	29.1	29.1	94.5	94.5	7.5	7.5	25.8	7.5	16	77	16	77								
					6.6	0.4	0	18.4	8.1	8.1	29.1	29.1	94.5	94.5	7.5	7.5	25.5	7.5	16	77	16	77								
IM5	Cloudy	Moderate	11:55	6.8	Surface	1.0	0.4	26	18.5	8.1	8.1	28.8	28.8	94.4	94.4	7.5	7.5	13.5	7.5	12	73	12	74	820544	804903	<0.2	1.7	<0.2	1.8	
						1.0	0.4	26	18.5	8.1	8.1	28.8	28.8	94.4	94.4	7.5	7.5	13.5	7.5	12	74	18	75							
						3.4	0.4	21	18.5	8.1	8.1	28.8	28.8	94.3	94.3	7.5	7.5	16.5	7.5	19	76	19	76							
					3.4	0.4	21	18.5	8.1	8.1	28.8	28.8	94.3	94.3	7.5	7.5	16.6	7.5	19	76	19	76								
					5.8	0.3	18	18.3	8.1	8.1	29.3	29.3	94.4	94.4	7.5	7.5	18.2	7.5	19	77	19	77								
					5.8	0.3	19	18.3	8.1	8.1	29.3	29.3	94.6	94.6	7.5	7.5	16.8	7.5	19	77	19	77								
IM6	Rainy	Moderate	12:03	6.9	Surface	1.0	0.2	33	18.4	8.1	8.1	28.7	28.7	94.6	94.6	7.5	7.5	11.5	7.5	12	74	12	74	821084	805821	<0.2	1.3	<0.2	1.2	
						1.0	0.2	34	18.4	8.1	8.1	28.7	28.7	94.6	94.6	7.5	7.5	11.6	7.5	12	74	14	76							
						3.5	0.3	31	18.2	8.1	8.1	29.6	29.6	94.4	94.4	7.5	7.5	13.4	7.5	14	76	15	77							
					3.5	0.3	32	18.2	8.1	8.1	29.6	29.6	94.4	94.4	7.5	7.5	13.4	7.5	14	76	15	77								
					5.9	0.3	32	18.2	8.1	8.1	29.7	29.7	94.6	94.6	7.5	7.5	14.7	7.5	17	77	15	77								
					5.9	0.3	33	18.2	8.1	8.1	29.7	29.7	94.6	94.6	7.5	7.5	14.7	7.5	17	77	17	77								
IM7	Rainy	Moderate	12:12	8.4	Surface	1.0	0.1	18	18.4	8.1	8.1	28.9	28.9	94.3	94.3	7.5	7.5	12.0	7.5	10	73	10	74	821371	806854	<0.2	2.2	<0.2	1.6	
						1.0	0.1	18	18.4	8.1	8.1	28.9	28.9	94.3	94.3	7.5	7.5	12.0	7.5	10	74	14	75							
						4.2	0.3	43	18.3	8.1	8.1	29.4	29.4	94.0	94.0	7.4	7.4	16.5	7.4	14	75	14	75							
					4.2	0.3	45	18.3	8.1	8.1	29.4	29.4	94.1	94.1	7.4	7.4	16.5	7.4	14	76	16	76								
					7.4	0.3	40	18.3	8.1	8.1	29.5	29.5	94.4	94.4	7.5	7.5	16.0	7.5	16	77	16	77								
					7.4	0.3	42	18.3	8.1	8.1	29.5	29.5	94.4	94.4	7.5	7.5	16.0	7.5	18	77	16	77								
IM8	Rainy	Moderate	11:21	7.8																										

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Rainy	Moderate	11:09	6.9	Surface	1.0	0.2	330	18.9	18.9	8.0	8.0	27.3	27.3	93.4	93.4	7.4	7.4	13.7	13.7	14	72	74	822109	808818	<0.2	2.4	<0.2	2.1				
						1.0	0.2	345	18.9	18.9	8.0	8.0	27.3	27.3	93.4	93.4	7.4	7.4	13.7	13.7	12	73	74	822109	808818	<0.2	2.3	<0.2	1.8				
						3.5	0.2	323	18.9	18.9	8.0	8.0	27.3	27.3	93.5	93.5	7.4	7.4	14.6	14.6	13	74	74	822109	808818	<0.2	2.1	<0.2	2.1				
					Middle	3.5	0.2	343	18.9	18.9	8.0	8.0	27.3	27.3	93.5	93.5	7.4	7.4	14.6	14.6	13	74	74	822109	808818	<0.2	2.1	<0.2	2.1				
						5.9	0.2	323	18.9	18.9	8.0	8.0	28.0	28.0	94.3	94.3	7.4	7.4	16.7	16.7	15	74	74	822109	808818	<0.2	2.0	<0.2	1.6				
						5.9	0.2	337	18.9	18.9	8.0	8.0	28.0	28.0	94.3	94.3	7.4	7.4	16.7	16.7	15	74	74	822109	808818	<0.2	2.0	<0.2	1.6				
IM10	Rainy	Moderate	11:00	6.3	Surface	1.0	0.5	320	18.8	18.8	8.1	8.1	28.9	28.9	94.6	94.6	7.4	7.4	13.3	13.3	10	73	74	822235	809819	<0.2	1.6	<0.2	1.7				
						1.0	0.5	323	18.8	18.8	8.1	8.1	28.9	28.9	94.6	94.6	7.4	7.4	13.2	13.2	8	73	74	822235	809819	<0.2	1.6	<0.2	1.7				
						3.2	0.5	320	18.8	18.8	8.1	8.1	29.0	29.0	95.0	95.0	7.5	7.5	14.4	14.4	11	73	74	822235	809819	<0.2	1.7	<0.2	1.3				
					Middle	3.2	0.5	323	18.8	18.8	8.1	8.1	29.0	29.0	95.0	95.0	7.5	7.5	14.4	14.4	11	74	74	822235	809819	<0.2	1.6	<0.2	1.3				
						5.3	0.5	317	18.8	18.8	8.1	8.1	29.0	29.0	95.6	95.6	7.5	7.5	12.3	12.3	12	75	75	822235	809819	<0.2	1.6	<0.2	1.6				
						5.3	0.5	342	18.8	18.8	8.1	8.1	29.0	29.0	95.6	95.6	7.5	7.5	12.3	12.3	13	75	75	822235	809819	<0.2	1.8	<0.2	1.8				
IM11	Rainy	Moderate	10:48	7.3	Surface	1.0	0.5	294	18.7	18.7	8.1	8.1	29.1	29.1	94.9	94.9	7.4	7.4	18.4	18.4	15	73	74	821514	810528	<0.2	1.4	<0.2	1.5				
						1.0	0.6	319	18.7	18.7	8.1	8.1	29.1	29.1	94.9	94.9	7.4	7.4	18.4	18.4	14	73	74	821514	810528	<0.2	1.4	<0.2	1.4				
						3.7	0.5	293	18.7	18.7	8.1	8.1	29.1	29.1	95.2	95.2	7.5	7.5	21.3	21.3	16	73	74	821514	810528	<0.2	1.3	<0.2	1.4				
					Middle	3.7	0.5	309	18.7	18.7	8.1	8.1	29.1	29.1	95.2	95.2	7.5	7.5	21.3	21.3	16	73	74	821514	810528	<0.2	1.4	<0.2	1.3				
						6.3	0.4	290	18.8	18.8	8.1	8.1	29.1	29.1	95.6	95.6	7.5	7.5	26.1	26.1	20	75	75	821514	810528	<0.2	1.4	<0.2	1.3				
						6.3	0.4	306	18.8	18.8	8.1	8.1	29.1	29.1	95.6	95.6	7.5	7.5	26.1	26.1	21	75	75	821514	810528	<0.2	1.3	<0.2	1.3				
IM12	Rainy	Moderate	10:40	7.0	Surface	1.0	0.6	278	18.7	18.7	8.1	8.1	29.5	29.5	95.5	95.5	7.5	7.5	12.3	12.3	10	73	74	821181	811548	<0.2	1.1	<0.2	1.2				
						1.0	0.7	287	18.7	18.7	8.1	8.1	29.5	29.5	95.5	95.5	7.5	7.5	12.3	12.3	12	72	74	821181	811548	<0.2	1.2	<0.2	1.1				
						3.5	0.6	280	18.7	18.7	8.1	8.1	29.5	29.5	95.2	95.2	7.5	7.5	16.7	16.7	11	74	74	821181	811548	<0.2	1.4	<0.2	1.1				
					Middle	3.5	0.6	289	18.7	18.7	8.1	8.1	29.5	29.5	95.2	95.2	7.5	7.5	16.7	16.7	12	73	74	821181	811548	<0.2	1.1	<0.2	1.1				
						6.0	0.4	287	18.7	18.7	8.1	8.1	29.5	29.5	95.9	95.9	7.5	7.5	19.3	19.3	11	75	75	821181	811548	<0.2	1.3	<0.2	1.1				
						6.0	0.4	295	18.7	18.7	8.1	8.1	29.5	29.5	95.9	95.9	7.5	7.5	19.3	19.3	12	74	74	821181	811548	<0.2	1.1	<0.2	1.1				
SR2	Rainy	Moderate	10:14	3.9	Surface	1.0	0.2	158	18.6	18.6	8.0	8.0	29.3	29.3	95.1	95.1	7.5	7.5	21.8	21.8	18	73	74	821465	814138	<0.2	1.3	<0.2	1.2				
						1.0	0.2	163	18.6	18.6	8.0	8.0	29.3	29.3	95.1	95.1	7.5	7.5	21.8	21.8	20	73	74	821465	814138	<0.2	1.2	<0.2	1.1				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.9	0.2	148	18.6	18.6	8.0	8.0	29.4	29.4	95.7	95.7	7.5	7.5	23.2	23.2	20	75	75	821465	814138	<0.2	1.0	<0.2	1.1				
						2.9	0.2	161	18.6	18.6	8.0	8.0	29.4	29.4	95.7	95.7	7.5	7.5	23.2	23.2	20	75	75	821465	814138	<0.2	1.1	<0.2	1.1				
SR3	Rainy	Moderate	11:27	8.8	Surface	1.0	0.2	11	19.0	19.0	8.0	8.0	27.1	27.1	94.1	94.1	7.4	7.4	9.7	9.7	7	-	-	822158	807546	-	-	-	-				
						1.0	0.2	11	19.0	19.0	8.0	8.0	27.1	27.1	94.1	94.1	7.4	7.4	9.7	9.7	8	-	-	822158	807546	-	-	-	-				
						4.4	0.2	3	18.9	18.9	8.0	8.0	27.4	27.4	94.4	94.4	7.5	7.5	10.2	10.2	10	-	-	822158	807546	-	-	-	-				
					Middle	4.4	0.2	3	18.9	18.9	8.0	8.0	27.4	27.4	94.4	94.4	7.5	7.5	10.2	10.2	8	-	-	822158	807546	-	-	-	-				
						7.8	0.2	356	18.9	18.9	8.0	8.0	27.7	27.7	94.9	94.9	7.5	7.5	10.6	10.6	11	-	-	822158	807546	-	-	-	-				
						7.8	0.3	328	18.9	18.9	8.0	8.0	27.7	27.7	94.9	94.9	7.5	7.5	10.6	10.6	12	-	-	822158	807546	-	-	-	-				
SR4A	Cloudy	Moderate	10:41	7.9	Surface	1.0	0.3	237	18.3	18.3	8.1	8.1	29.9	29.9	94.7	94.7	7.5	7.5	10.5	10.5	10	-	-	817198	807823	-	-	-	-				
						1.0	0.3	243	18.3	18.3	8.1	8.1	29.9	29.9	94.7	94.7	7.5	7.5	10.6	10.6	12	-	-	817198	807823	-	-	-	-				
						4.0	0.2	229	18.3	18.3	8.1	8.1	29.9	29.9	94.5	94.5	7.4	7.4	11.9	11.9	11	-	-	817198	807823	-	-	-	-				
					Middle	4.0	0.2	250	18.3	18.3	8.1	8.1	29.9	29.9	94.5	94.5	7.4	7.4	11.9	11.9	13	-	-	817198	807823	-	-	-	-				
						6.9	0.2	228	18.3	18.3	8.1	8.1	29.9	29.9	94.6	94.6	7.4	7.4	12.7	12.7	11	-	-	817198	807823	-	-	-	-				
						6.9	0.3	242	18.3	18.3	8.1	8.1	29.9	29.9	94.6	94.6	7.4	7.4	12.8	12.8	12	-	-	817198	807823	-	-	-	-				
SR5A	Cloudy	Calm	10:25	4.4	Surface	1.0	0.3	278	18.4	18.4	8.1	8.1	29.9	29.9	95.4	95.4	7.5	7.5	10.2	10.2	10	-	-	816574	810712	-	-	-	-				
						1.0	0.3	280	18.4	18.4	8.1	8.1	29.9	29.9	95.4	95.4	7.5	7.5	10.2	10.2	11	-	-	816574	810712	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.4	0.2	282	18.4	18.4	8.1	8.1	29.9	29.9	95.4	95.4	7.5	7.5	11.0	11.0	13	-	-	816574	810712	-	-	-	-				
						3.4	0.2	293	18.4	18.4	8.1	8.1	29.9	29.9	95.4	95.4	7.5	7.5	11.1	11.1	11	-	-	816574	810712	-	-	-	-				
SR6	Rainy	Calm	09:58	3.6	Surface	1.0	0.3	263	18.5	18.5	8.0	8.0	29.0	29.0	94.6	94.6	7.5	7.5	7.3	7													

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
C1	Fine	Moderate	06:48	8.6	Surface	1.0	0.1	168	17.2	8.2	8.2	31.3	31.3	92.8	92.8	7.4	2.9	4	72	74	815638	804275	<0.2	1.6	1.7					
						1.0	0.1	168	17.2	8.2	8.2	31.3	31.3	92.8	92.8	7.4	2.9	4	72	74	<0.2	1.8								
						4.3	0.2	228	17.2	8.2	8.2	31.3	31.3	92.2	92.2	7.4	2.8	5	74	74	<0.2	1.8								
					4.3	0.2	244	17.2	8.2	8.2	31.3	31.3	92.2	92.2	7.3	2.8	5	74	74	<0.2	1.6									
					7.6	0.2	224	17.6	8.2	8.2	31.6	31.6	93.1	93.1	7.4	2.8	4	76	76	<0.2	1.6									
					7.6	0.2	230	17.5	8.2	8.2	31.6	31.6	93.1	93.1	7.4	2.8	4	76	76	<0.2	1.5									
C2	Cloudy	Moderate	08:41	11.6	Surface	1.0	0.3	93	17.4	8.1	8.1	29.1	29.1	92.2	92.3	7.4	6.1	5	72	74	825681	806952	<0.2	0.9	1.0					
						1.0	0.3	101	17.4	8.1	8.1	29.1	29.1	92.4	92.3	7.4	6.4	5	72	74	<0.2	1.0								
						5.8	0.1	275	17.4	8.1	8.1	29.1	29.1	91.5	91.4	7.4	5.4	4	73	73	<0.2	1.0								
					5.8	0.1	275	17.4	8.1	8.1	29.1	29.1	91.3	91.4	7.3	5.8	3	73	73	<0.2	1.0									
					10.6	0.1	226	17.6	8.1	8.1	29.3	29.3	90.7	90.6	7.3	5.9	5	75	75	<0.2	1.0									
					10.6	0.1	235	17.6	8.1	8.1	29.3	29.3	90.5	90.6	7.3	6.5	5	76	76	<0.2	0.9									
C3	Cloudy	Moderate	06:46	12.6	Surface	1.0	0.0	59	17.6	8.1	8.1	30.4	30.4	94.5	94.5	7.5	3.0	7	72	73	822100	817823	<0.2	1.0	1.0					
						1.0	0.0	63	17.6	8.1	8.1	30.4	30.4	94.5	94.5	7.5	3.1	6	72	73	<0.2	1.0								
						6.3	0.1	67	17.6	8.1	8.1	30.4	30.4	94.0	94.0	7.5	3.2	8	73	73	<0.2	1.0								
					6.3	0.1	72	17.6	8.1	8.1	30.4	30.4	94.0	94.0	7.5	3.1	7	73	73	<0.2	0.9									
					11.6	0.1	75	17.6	8.1	8.1	30.5	30.5	94.1	94.2	7.5	3.3	9	75	75	<0.2	1.1									
					11.6	0.1	80	17.6	8.1	8.1	30.5	30.5	94.2	94.2	7.5	3.2	7	75	75	<0.2	0.9									
IM1	Fine	Moderate	07:07	7.2	Surface	1.0	0.1	113	17.1	8.2	8.2	31.3	31.3	92.7	92.7	7.4	2.8	7	72	74	818334	806429	<0.2	2.0	2.0					
						1.0	0.1	123	17.2	8.2	8.2	31.3	31.3	92.7	92.7	7.4	2.8	6	72	74	<0.2	2.0								
						3.6	0.0	116	17.2	8.2	8.2	31.3	31.3	92.4	92.4	7.4	2.8	9	75	74	<0.2	2.0								
					3.6	0.0	126	17.2	8.2	8.2	31.3	31.3	92.4	92.4	7.4	2.8	7	75	74	<0.2	2.0									
					6.2	0.1	163	17.6	8.2	8.2	31.6	31.6	93.1	93.2	7.4	3.3	11	76	76	<0.2	2.1									
					6.2	0.1	176	17.5	8.2	8.2	31.6	31.6	93.2	93.2	7.4	3.3	11	76	76	<0.2	1.9									
IM2	Fine	Moderate	07:13	6.9	Surface	1.0	0.1	91	17.2	8.2	8.2	31.3	31.3	92.6	92.6	7.4	2.5	5	72	74	818861	806219	<0.2	1.8	1.9					
						1.0	0.1	94	17.2	8.2	8.2	31.3	31.3	92.6	92.6	7.4	2.5	6	72	74	<0.2	1.9								
						3.5	0.0	104	17.4	8.2	8.2	31.4	31.4	92.6	92.6	7.3	2.7	6	74	74	<0.2	2.0								
					3.5	0.0	107	17.4	8.2	8.2	31.5	31.4	92.6	92.6	7.3	2.7	5	74	74	<0.2	1.9									
					5.9	0.0	81	17.6	8.2	8.2	31.6	31.6	93.2	93.2	7.4	3.1	9	76	76	<0.2	2.1									
					5.9	0.0	88	17.5	8.2	8.2	31.6	31.6	93.2	93.2	7.4	3.0	10	76	76	<0.2	1.8									
IM3	Fine	Moderate	07:20	7.3	Surface	1.0	0.0	148	17.2	8.2	8.2	31.3	31.3	92.5	92.5	7.4	2.8	6	72	74	819440	806017	<0.2	1.8	1.8					
						1.0	0.0	148	17.2	8.2	8.2	31.3	31.3	92.5	92.5	7.4	2.8	5	72	74	<0.2	1.9								
						3.7	0.0	56	17.4	8.2	8.2	31.4	31.4	92.3	92.3	7.3	2.8	8	73	74	<0.2	1.8								
					3.7	0.0	60	17.4	8.2	8.2	31.4	31.4	92.3	92.3	7.3	2.8	6	74	74	<0.2	1.9									
					6.3	0.0	358	17.6	8.2	8.2	31.6	31.6	92.8	92.8	7.3	2.7	6	75	75	<0.2	1.7									
					6.3	0.0	329	17.6	8.2	8.2	31.6	31.6	92.8	92.8	7.3	2.8	8	76	76	<0.2	1.8									
IM4	Fine	Moderate	07:26	7.4	Surface	1.0	0.1	120	17.2	8.2	8.2	31.3	31.3	92.6	92.6	7.4	2.6	4	72	74	819565	805021	<0.2	1.7	1.9					
						1.0	0.1	126	17.2	8.2	8.2	31.3	31.3	92.5	92.5	7.4	2.6	4	72	74	<0.2	1.8								
						3.7	0.0	260	17.4	8.2	8.2	31.4	31.4	92.4	92.5	7.3	2.8	5	74	74	<0.2	2.0								
					3.7	0.0	270	17.4	8.2	8.2	31.5	31.5	92.5	92.5	7.3	2.7	5	74	74	<0.2	1.9									
					6.4	0.1	252	17.5	8.2	8.2	31.5	31.5	93.2	93.2	7.4	2.8	6	76	76	<0.2	2.0									
					6.4	0.1	257	17.4	8.2	8.2	31.5	31.5	93.1	93.1	7.4	2.8	6	76	76	<0.2	1.9									
IM5	Fine	Moderate	07:32	7.1	Surface	1.0	0.1	102	17.2	8.2	8.2	31.3	31.3	92.6	92.6	7.4	2.8	7	72	74	820542	804929	<0.2	2.0	2.0					
						1.0	0.1	111	17.2	8.2	8.2	31.3	31.3	92.6	92.6	7.4	2.8	7	72	74	<0.2	2.2								
						3.6	0.1	30	17.3	8.2	8.2	31.3	31.3	92.2	92.2	7.3	2.8	8	74	74	<0.2	2.0								
					3.6	0.1	32	17.3	8.2	8.2	31.4	31.3	92.2	92.2	7.3	2.8	7	74	74	<0.2	2.0									
					6.1	0.1	8	17.6	8.2	8.2	31.6	31.6	92.9	92.9	7.3	2.7	8	76	76	<0.2	1.8									
					6.1	0.1	8	17.6	8.2	8.2	31.6	31.6	93.0	93.0	7.4	2.7	6	76	76	<0.2	1.8									
IM6	Fine	Moderate	07:42	7.4	Surface	1.0	0.1	80	17.2	8.2	8.2	31.3	31.3	92.7	92.7	7.4	2.8	6	72	74	821055	805818	<0.2	1.9	1.9					
						1.0	0.1	87	17.2	8.2	8.2	31.3	31.3	92.6	92.7	7.4	2.8	6	72	74	<0.2	2.0								
						3.7	0.2	80	17.2	8.2	8.2	31.3	31.3	92.2	92.2	7.4	2.8	6	74	74	<0.2	1.9								
					3.7	0.2	82	17.2	8.2	8.2	31.3	31.3	92.2	92.2	7.3	2.8	6	74	74	<0.2	1.9									
					6.4	0.1	64	17.5	8.2	8.2	31.6	31.6	93.2	93.2	7.4	2.7	5	76	76	<0.2	1.9									
					6.4	0.2	66	17.5	8.2	8.2	31.6	31.6	93.1	93.2	7.4	2.7	7	76	76	<0.2	1.9									
IM7	Fine	Moderate	07:50	7.8	Surface	1.0	0.2	89	17.2	8.2	8.2	31.3	31.3	92.4	92.4	7.4	2.8	6	72	74	821334	806851	<0.2	1.7	1.9					
						1.0	0.2	96	17.2	8.2	8.2	31.3	31.3	92.3	92.4	7.4	2.8	8	72	74	<0.2	1.8								
						3.9	0.2	68	17.4	8.2	8.2	31.5	31.5	92.5	92.5	7.3	2.7	6	73	74	<0.2	1.9								
					3.9	0.2	70	17.5	8.2	8.2	31.5	31.5	92.5	92.5	7.3	2.7	8	74	74	<0.2	2.0									
					6.8	0.2	59	17.5	8.2	8.2	31.6	31.6	93.1	93.1	7.4	2.7	8	75	75	<0.2	1.8									
					6.8	0.2	63	17.5	8.2	8.2	31.6	31.6	93.1	93.1	7.4	2.7	7	76	76	<0.2	1.9									
IM8	Cloudy	Moderate	08:11	8.1	Surface	1.0	0.2	100	17.1	8.1	8.1	28.9	28.9	92.8	92.8	7.5	5.7	4	72	74	821722	807865	<0.2	0.9	0.9					
						1.0	0.3	102	17.1	8.1	8.1	28.9	28.9	92.8	92.8	7.5	5.8	4	72	74	<0.2	1.0								
						4.1	0.2	66	17.5	8.1	8.1	29.2	29.2	92.4	92.4	7.4	4.3	4	73	74	<0.2	1.0								
					4.1	0.2	66	17.5	8.1	8.1	29.2	29.2	92.3	92.4	7.4	4.3	2	74	74	<0.2	0.9									
					7.1	0.2	42	17.8	8.1	8.1	29.9	29.9	92.8	92.8	7.4	4.1	5	75												

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Fine	Moderate	13:43	8.2	Surface	1.0	0.4	45	17.5	8.2	8.2	30.6	30.6	90.5	90.5	7.2	7.2	2.0	2.0	5	73	75	75	815594	804217	<0.2	0.7	0.7	0.7		
						1.0	0.4	46	17.5	8.2	8.2	30.6	30.6	90.4	90.5	7.2	7.2	1.9	7.2	4	73	75	75	75	75	<0.2	0.7	0.7	0.7		
						4.1	0.4	52	17.7	8.2	8.2	30.9	31.0	90.5	90.6	7.2	7.2	2.5	7.2	6	75	75	75	75	75	<0.2	0.7	0.7	0.7		
					Middle	4.1	0.5	52	17.8	8.2	8.2	31.0	31.0	90.6	90.6	7.2	7.2	2.4	7.2	6	75	75	75	75	75	75	75	<0.2	0.7	0.7	0.7
						7.2	0.5	42	17.7	8.2	8.2	31.0	31.0	91.6	91.7	7.2	7.2	2.5	7.2	6	77	77	77	77	77	77	77	<0.2	0.8	0.8	0.8
						7.2	0.5	42	17.7	8.2	8.2	31.0	31.0	91.7	91.7	7.3	7.3	2.6	7.3	7	77	77	77	77	77	77	77	<0.2	0.8	0.8	0.8
C2	Cloudy	Moderate	12:36	11.5	Surface	1.0	0.5	348	17.0	8.2	8.2	27.5	27.5	95.8	95.8	7.8	7.8	5.9	5.9	5	72	74	74	825652	806936	<0.2	1.5	1.4	1.4		
						1.0	0.5	320	17.0	8.2	8.2	27.5	27.5	95.8	95.8	7.8	7.8	6.0	7.8	4	72	74	74	74	74	<0.2	1.4	1.4	1.4		
						5.8	0.5	350	17.0	8.2	8.2	27.4	27.4	95.4	95.4	7.8	7.8	7.0	7.8	3	74	74	74	74	74	<0.2	1.4	1.4	1.4		
					Middle	5.8	0.5	322	17.0	8.2	8.2	27.4	27.4	95.3	95.4	7.8	7.8	7.0	7.8	5	74	74	74	74	74	74	74	<0.2	1.4	1.4	1.4
						10.5	0.2	318	17.2	8.1	8.1	27.7	27.6	95.1	95.4	7.8	7.8	5.7	7.8	3	75	75	75	75	75	<0.2	1.4	1.4	1.4		
						10.5	0.2	333	17.1	8.2	8.1	27.5	27.6	95.7	95.4	7.8	7.8	5.7	7.8	3	75	75	75	75	75	<0.2	1.4	1.4	1.4		
C3	Cloudy	Moderate	14:44	12.1	Surface	1.0	0.5	276	17.5	8.1	8.1	30.0	30.0	93.7	93.7	7.5	7.5	2.6	2.6	3	71	73	73	822091	817783	<0.2	1.3	1.3	1.3		
						1.0	0.6	302	17.5	8.1	8.1	30.0	30.0	93.6	93.7	7.5	7.5	2.6	7.5	3	72	73	73	73	73	<0.2	1.3	1.3	1.3		
						6.1	0.5	271	17.5	8.1	8.1	30.0	30.0	93.2	93.2	7.5	7.5	3.0	7.5	3	73	73	73	73	73	<0.2	1.5	1.5	1.5		
					Middle	6.1	0.5	273	17.5	8.1	8.1	30.0	30.0	93.1	93.2	7.4	7.4	3.2	7.4	2	74	74	74	74	74	74	<0.2	1.5	1.5	1.5	
						11.1	0.4	267	17.5	8.1	8.1	30.0	30.0	92.8	92.8	7.4	7.4	3.5	7.4	3	75	75	75	75	75	<0.2	1.3	1.3	1.3		
						11.1	0.4	292	17.5	8.1	8.1	30.0	30.0	92.8	92.8	7.4	7.4	3.6	7.4	3	76	76	76	76	76	<0.2	1.6	1.6	1.6		
IM1	Fine	Moderate	13:25	6.9	Surface	1.0	0.4	31	17.3	8.2	8.2	30.5	30.5	90.9	90.9	7.3	7.3	3.1	3.1	7	73	75	75	818322	806479	<0.2	2.0	2.1	2.1		
						1.0	0.5	32	17.3	8.2	8.2	30.5	30.5	90.8	90.9	7.3	7.3	3.0	7.3	7	73	75	75	75	75	<0.2	2.0	2.0	2.0		
						3.5	0.4	22	17.7	8.2	8.2	30.8	30.9	90.5	90.5	7.2	7.2	3.6	7.2	6	75	75	75	75	75	<0.2	2.2	2.2	2.2		
					Middle	3.5	0.5	22	17.7	8.2	8.2	30.9	30.9	90.4	90.5	7.2	7.2	3.5	7.2	7	75	75	75	75	75	<0.2	2.0	2.0	2.0		
						5.9	0.4	348	17.8	8.2	8.2	31.1	31.1	91.1	91.2	7.2	7.2	4.3	7.2	5	77	77	77	77	77	<0.2	2.0	2.0	2.0		
						5.9	0.4	320	17.8	8.2	8.2	31.1	31.1	91.3	91.2	7.2	7.2	4.3	7.2	5	77	77	77	77	77	<0.2	2.0	2.0	2.0		
IM2	Fine	Moderate	13:18	7.8	Surface	1.0	0.5	29	17.3	8.2	8.2	30.5	30.5	91.3	91.3	7.3	7.3	3.0	3.0	5	74	75	75	818835	806213	<0.2	2.2	2.0	2.0		
						1.0	0.6	30	17.3	8.2	8.2	30.5	30.5	91.3	91.3	7.3	7.3	3.0	7.3	6	73	73	73	73	73	<0.2	2.0	2.0	2.0		
						3.9	0.5	15	17.4	8.2	8.2	30.6	30.6	91.7	91.7	7.3	7.3	3.7	7.3	5	75	75	75	75	75	<0.2	2.2	2.2	2.2		
					Middle	3.9	0.5	15	17.4	8.2	8.2	30.6	30.6	91.7	91.7	7.3	7.3	3.9	7.3	5	75	75	75	75	75	<0.2	1.9	1.9	1.9		
						6.8	0.3	10	17.7	8.2	8.2	30.9	30.9	90.9	91.0	7.2	7.2	4.5	7.2	4	77	77	77	77	77	<0.2	2.0	2.0	2.0		
						6.8	0.3	10	17.7	8.2	8.2	30.9	30.9	91.0	91.0	7.2	7.2	4.5	7.2	4	77	77	77	77	77	<0.2	2.1	2.1	2.1		
IM3	Fine	Moderate	13:13	8.0	Surface	1.0	0.5	37	17.4	8.2	8.2	30.6	30.6	90.7	90.7	7.2	7.2	2.8	2.8	5	73	75	75	819406	806047	<0.2	2.1	1.9	1.9		
						1.0	0.5	38	17.5	8.2	8.2	30.6	30.6	90.7	90.7	7.2	7.2	2.8	7.2	3	73	73	73	73	73	<0.2	1.9	1.9	1.9		
						4.0	0.5	24	17.7	8.2	8.2	30.8	30.8	90.7	90.7	7.2	7.2	3.6	7.2	5	75	75	75	75	75	<0.2	2.2	2.2	2.2		
					Middle	4.0	0.6	24	17.7	8.2	8.2	30.8	30.8	90.7	90.7	7.2	7.2	3.5	7.2	3	75	75	75	75	75	<0.2	2.2	2.2	2.2		
						7.0	0.3	29	17.7	8.2	8.2	30.9	30.9	91.7	91.7	7.3	7.3	4.4	7.3	3	77	77	77	77	77	<0.2	2.0	2.0	2.0		
						7.0	0.3	31	17.6	8.2	8.2	30.9	30.9	91.7	91.7	7.3	7.3	4.4	7.3	4	77	77	77	77	77	<0.2	2.0	2.0	2.0		
IM4	Fine	Moderate	13:05	7.1	Surface	1.0	0.6	8	17.4	8.2	8.2	30.5	30.5	90.6	90.6	7.2	7.2	2.9	2.9	7	74	75	75	819567	805011	<0.2	2.1	2.0	2.0		
						1.0	0.6	8	17.4	8.2	8.2	30.6	30.6	90.6	90.6	7.2	7.2	2.8	7.2	7	73	73	73	73	73	<0.2	2.0	2.0	2.0		
						3.6	0.6	17	17.7	8.2	8.2	30.9	30.9	90.7	90.7	7.2	7.2	3.3	7.2	8	75	75	75	75	75	<0.2	2.1	2.1	2.1		
					Middle	3.6	0.6	18	17.7	8.2	8.2	30.9	30.9	90.7	90.7	7.2	7.2	3.3	7.2	6	75	75	75	75	75	<0.2	1.8	1.8	1.8		
						6.1	0.4	20	17.8	8.2	8.2	31.0	31.0	91.2	91.2	7.2	7.2	4.2	7.2	7	78	78	78	78	78	<0.2	2.0	2.0	2.0		
						6.1	0.4	21	17.8	8.2	8.2	31.0	31.0	91.3	91.3	7.2	7.2	4.2	7.2	7	77	77	77	77	77	<0.2	1.8	1.8	1.8		
IM5	Fine	Moderate	12:57	6.5	Surface	1.0	0.6	16	17.4	8.2	8.2	30.5	30.6	90.6	90.6	7.2	7.2	3.0	3.0	7	73	75	75	820561	804940	<0.2	1.9	1.9	1.9		
						1.0	0.6	16	17.4	8.2	8.2	30.6	30.6	90.6	90.6	7.2	7.2	2.9	7.2	7	73	73	73	73	73	<0.2	1.9	1.9	1.9		
						3.3	0.5	16	17.7	8.2	8.2	30.9	30.9	90.8	90.9	7.2	7.2	3.3	7.2	8	75	75	75	75	75	<0.2	2.2	2.2	2.2		
					Middle	3.3	0.5	17	17.7	8.2	8.2	30.9	30.9	90.9	90.9	7.2	7.2	3.3	7.2	7	76	76	76	76	76	<0.2	1.9	1.9	1.9		
						5.5	0.4	15	17.7	8.2	8.2	31.0	30.9	91.7	91.7	7.3	7.3	4.3	7.3	7	77	77	77	77	77	<0.2	1.9	1.9	1.9		
						5.5	0.4	15	17.7	8.2	8.2	30.9	30.9	91.8	91.8	7.3	7.3	4.4	7.3	7	77	77	77	77	77	<0.2	1.9	1.9	1.9		
IM6	Fine	Moderate	12:48	6.6	Surface	1.0	0.3	24	17.3	8.2	8.2	30.5	30.5	91.3	91.3	7.3	7.3	3.0	3.0	8	73	75									

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

Water Quality Monitoring Results on 12 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	09:31	7.9	Surface	1.0	0.2	162	16.1	16.1	8.1	8.1	31.2	31.2	97.5	97.6	8.0	8.0	12.3	8.0	5	73	75	815610	804258	<0.2	0.5	<0.2	0.5	
						1.0	0.2	164	16.1	8.1	8.1	31.2	31.2	97.6	97.6	8.0	8.0	12.6	8.0	7	73	75	815610	804258	<0.2	0.4	<0.2	0.5		
						4.0	0.2	107	16.1	8.1	8.1	31.2	31.2	97.6	97.6	8.0	8.0	7.0	8.0	8	73	75	815610	804258	<0.2	0.6	<0.2	0.6		
					Middle	4.0	0.2	112	16.1	8.1	8.1	31.2	31.2	97.6	97.6	8.0	8.0	7.1	8.0	9	75	75	815610	804258	<0.2	0.6	<0.2	0.6		
						6.9	0.1	95	16.1	8.1	8.1	31.2	31.2	97.6	97.6	8.0	8.0	6.8	8.0	7	77	77	815610	804258	<0.2	0.6	<0.2	0.6		
						6.9	0.1	101	16.1	8.1	8.1	31.2	31.2	98.3	98.3	8.0	8.0	6.8	8.0	7	77	77	815610	804258	<0.2	0.6	<0.2	0.6		
C2	Fine	Rough	11:08	11.7	Surface	1.0	0.4	216	16.6	16.6	8.2	8.2	28.7	28.7	96.3	96.3	7.9	7.9	4.8	7.9	6	73	74	825709	806926	<0.2	0.6	<0.2	0.5	
						1.0	0.4	233	16.6	8.2	8.2	28.7	28.7	96.3	96.3	7.9	7.9	4.8	7.9	6	73	74	825709	806926	<0.2	0.5	<0.2	1.1		
						5.9	0.3	213	16.7	8.2	8.2	28.6	28.6	95.9	95.9	7.8	7.8	3.8	7.8	7	74	74	825709	806926	<0.2	0.9	<0.2	0.5		
					Middle	5.9	0.3	223	16.7	8.2	8.2	28.6	28.6	95.9	95.9	7.8	7.8	3.8	7.8	7	74	74	825709	806926	<0.2	0.9	<0.2	0.5		
						10.7	0.1	228	17.4	8.1	8.1	29.6	29.6	98.0	98.0	7.9	7.9	4.5	7.9	8	75	75	825709	806926	<0.2	0.5	<0.2	0.6		
						10.7	0.1	250	17.4	8.1	8.1	29.6	29.6	98.0	98.0	7.9	7.9	4.5	7.9	9	75	75	825709	806926	<0.2	0.6	<0.2	0.6		
C3	Fine	Moderate	09:04	11.4	Surface	1.0	0.2	233	17.2	17.2	8.1	8.1	30.2	30.2	94.1	94.1	7.5	7.5	3.4	7.5	10	73	75	822088	817810	<0.2	0.6	<0.2	0.7	
						1.0	0.2	245	17.2	8.1	8.1	30.2	30.2	94.1	94.1	7.5	7.5	3.4	7.5	11	73	74	822088	817810	<0.2	0.7	<0.2	0.7		
						5.7	0.1	258	17.2	8.1	8.1	30.7	30.7	94.3	94.3	7.5	7.5	3.7	7.5	11	74	74	822088	817810	<0.2	0.7	<0.2	0.7		
					Middle	5.7	0.1	262	17.2	8.1	8.1	30.7	30.7	94.3	94.3	7.5	7.5	3.7	7.5	11	75	75	822088	817810	<0.2	0.7	<0.2	0.7		
						10.4	0.1	253	17.2	8.1	8.1	31.2	31.2	94.1	94.1	7.5	7.5	3.5	7.5	13	77	77	822088	817810	<0.2	0.8	<0.2	0.8		
						10.4	0.1	257	17.2	8.1	8.1	31.2	31.2	94.1	94.1	7.5	7.5	3.5	7.5	14	77	77	822088	817810	<0.2	0.8	<0.2	0.8		
IM1	Fine	Moderate	09:51	7.0	Surface	1.0	0.1	224	15.8	15.8	8.1	8.1	30.5	30.5	97.4	97.4	8.0	8.0	5.7	8.0	4	73	75	818340	806480	<0.2	0.4	<0.2	0.5	
						1.0	0.1	243	15.8	8.1	8.1	30.5	30.5	97.4	97.4	8.0	8.0	5.7	8.0	4	73	75	818340	806480	<0.2	0.5	<0.2	0.4		
						3.5	0.0	86	15.8	8.1	8.1	30.6	30.6	97.5	97.5	8.0	8.0	5.4	8.0	5	75	75	818340	806480	<0.2	0.4	<0.2	0.5		
					Middle	3.5	0.0	93	15.8	8.1	8.1	30.6	30.6	97.5	97.5	8.0	8.0	5.4	8.0	3	75	75	818340	806480	<0.2	0.5	<0.2	0.4		
						6.0	0.1	95	15.8	8.1	8.1	30.6	30.6	98.0	98.1	8.1	8.1	6.0	8.1	6	77	77	818340	806480	<0.2	0.5	<0.2	0.4		
						6.0	0.1	98	15.8	8.1	8.1	30.6	30.6	98.1	98.1	8.1	8.1	6.1	8.1	5	77	77	818340	806480	<0.2	0.4	<0.2	0.4		
IM2	Fine	Moderate	09:57	7.9	Surface	1.0	0.1	59	15.8	15.8	8.1	8.1	30.6	30.6	97.6	97.6	8.0	8.0	5.8	8.0	4	73	75	818830	806215	<0.2	0.5	<0.2	0.4	
						1.0	0.1	60	15.8	8.1	8.1	30.6	30.6	97.6	97.6	8.0	8.0	5.8	8.0	2	73	75	818830	806215	<0.2	0.4	<0.2	0.4		
						4.0	0.1	65	15.8	8.1	8.1	30.6	30.6	97.6	97.6	8.0	8.0	6.8	8.0	4	75	75	818830	806215	<0.2	0.4	<0.2	0.6		
					Middle	4.0	0.1	65	15.8	8.1	8.1	30.6	30.6	97.6	97.6	8.0	8.0	6.8	8.0	3	75	75	818830	806215	<0.2	0.6	<0.2	0.4		
						6.9	0.1	42	15.8	8.1	8.1	30.6	30.6	98.1	98.1	8.1	8.1	9.0	8.1	3	77	77	818830	806215	<0.2	0.5	<0.2	0.5		
						6.9	0.1	44	15.8	8.1	8.1	30.6	30.6	98.1	98.1	8.1	8.1	9.2	8.1	3	77	77	818830	806215	<0.2	0.4	<0.2	0.4		
IM3	Fine	Moderate	10:05	7.9	Surface	1.0	0.0	272	15.9	15.9	8.1	8.1	30.4	30.4	98.0	98.0	8.1	8.1	5.9	8.1	3	73	75	819412	806024	<0.2	0.5	<0.2	0.4	
						1.0	0.0	274	15.9	8.1	8.1	30.4	30.4	98.0	98.0	8.1	8.1	5.9	8.1	3	73	75	819412	806024	<0.2	0.4	<0.2	0.4		
						4.0	0.0	147	15.9	8.1	8.1	30.4	30.4	98.5	98.5	8.1	8.1	6.0	8.1	4	75	75	819412	806024	<0.2	0.6	<0.2	0.5		
					Middle	4.0	0.0	148	15.9	8.1	8.1	30.4	30.4	98.5	98.5	8.1	8.1	6.0	8.1	6	75	75	819412	806024	<0.2	0.6	<0.2	0.5		
						6.9	0.0	173	15.9	8.1	8.1	30.4	30.4	99.6	99.7	8.2	8.2	5.8	8.2	9	77	77	819412	806024	<0.2	0.5	<0.2	0.5		
						6.9	0.0	184	15.9	8.1	8.1	30.4	30.4	99.7	99.7	8.2	8.2	5.8	8.2	10	77	77	819412	806024	<0.2	0.5	<0.2	0.5		
IM4	Fine	Moderate	10:13	7.4	Surface	1.0	0.1	238	15.8	15.8	8.1	8.1	30.4	30.4	97.7	97.7	8.1	8.1	5.8	8.1	<2	73	75	819597	805033	<0.2	0.6	<0.2	0.4	
						1.0	0.1	250	15.8	8.1	8.1	30.4	30.4	97.7	97.7	8.1	8.1	5.8	8.1	<2	73	75	819597	805033	<0.2	0.6	<0.2	0.4		
						3.7	0.1	215	15.8	8.1	8.1	30.4	30.4	97.6	97.6	8.0	8.0	6.4	8.0	<2	75	75	819597	805033	<0.2	0.4	<0.2	0.6		
					Middle	3.7	0.1	228	15.8	8.1	8.1	30.4	30.4	97.6	97.6	8.1	8.1	6.4	8.1	<2	75	75	819597	805033	<0.2	0.4	<0.2	0.6		
						6.4	0.0	65	15.9	8.1	8.1	30.5	30.5	98.1	98.1	8.1	8.1	7.2	8.1	<2	77	77	819597	805033	<0.2	0.6	<0.2	0.4		
						6.4	0.0	70	15.8	8.1	8.1	30.5	30.5	98.1	98.1	8.1	8.1	7.1	8.1	<2	77	77	819597	805033	<0.2	0.4	<0.2	0.4		
IM5	Fine	Moderate	10:22	6.5	Surface	1.0	0.3	189	15.9	15.9	8.1	8.1	30.1	30.1	98.3	98.4	8.1	8.1	10.0	8.1	<2	73	75	820546	804925	<0.2	0.5	<0.2	0.5	
						1.0	0.3	190	15.9	8.1	8.1	30.2	30.1	98.4	98.4	8.1	8.1	9.3	8.1	<2	73	75	820546	804925	<0.2	0.5	<0.2	0.5		
						3.3	0.2	271	15.9	8.1	8.1	30.2	30.2	99.2	99.2	8.2	8.2	8.3	8.2	<2	75	75	820546	804925	<0.2	0.4	<0.2	0.5		
					Middle	3.3	0.2	297	15.9	8.1	8.1	30.2	30.2	99.2	99.2	8.2	8.2	8.3	8.2	<2	75	75	820546	804925	<0.2	0.4	<0.2	0.5		
						5.5	0.1	247	16.0	8.1	8.1	30.2	30.2	100.9	100.9	8.3	8.3	8.8	8.3	<2	77	77	820546	804925	<0.2	0.5	<0.2	0.4		
						5.5	0.1	249	16.0	8.1	8.1	30.2	30.2	101.0	101.0	8.3	8.3	8.9	8.3	<2	77	77	820546	804925	<0.2	0.4	<0.2	0.4		
IM6	Fine	Moderate	10:32	6.6	Surface	1.0	0.3	187	15.9																					

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

Water Quality Monitoring Results on 12 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)	Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA			Value	DA			Value	DA	Value	DA	Value	DA			
IM9	Fine	Rough	10:26	6.8	Surface	1.0	0.1	150	16.3	16.3	8.3	8.3	29.1	29.1	96.4	96.4	7.9	7.9	6.6	7.4	<2	73	74	822093	808799	<0.2	0.8	0.9	0.8				
						1.0	0.1	156	16.3	8.3	8.3	29.1	29.1	96.4	96.4	7.9	7.9	6.6	7.4	<2	73	74	<0.2	73	74	<0.2	0.8	0.9	0.8				
					Middle	3.4	0.1	147	16.3	16.3	8.2	8.2	29.1	29.1	96.3	96.3	7.9	7.9	7.3	7.4	<2	74	74	<2	74	74	<0.2	1.2	1.4	1.2	1.4		
						3.4	0.1	147	16.3	16.3	8.2	8.2	29.1	29.1	96.3	96.3	7.9	7.9	7.3	7.4	<2	74	74	<0.2	74	74	<0.2	1.2	1.4	1.2	1.4		
					Bottom	5.8	0.1	152	16.4	16.4	8.2	8.2	29.1	29.1	96.6	96.6	7.9	7.9	8.2	7.9	8.2	7.9	3	75	75	<0.2	75	75	<0.2	0.8	0.8	0.8	0.8
						5.8	0.1	162	16.4	16.4	8.2	8.2	29.1	29.1	96.6	96.6	7.9	7.9	8.2	7.9	8.2	7.9	3	75	75	<0.2	75	75	<0.2	0.8	0.8	0.8	0.8
IM10	Fine	Rough	10:17	7.3	Surface	1.0	0.0	44	16.9	16.9	8.2	8.2	29.4	29.4	94.6	94.6	7.7	7.7	4.4	4.3	3	73	75	822266	809840	<0.2	0.6	1.1	0.7				
						1.0	0.0	47	16.9	16.9	8.2	8.2	29.4	29.4	94.6	94.6	7.7	7.7	4.4	4.3	3	73	75	<0.2	73	75	<0.2	0.7	1.1	0.7	1.1		
					Middle	3.7	0.0	77	16.9	16.9	8.2	8.2	29.4	29.4	94.8	94.8	7.7	7.7	4.3	4.3	3	75	75	<0.2	75	75	<0.2	1.8	1.7	1.8	1.7		
						3.7	0.0	83	16.9	16.9	8.2	8.2	29.4	29.4	94.8	94.8	7.7	7.7	4.3	4.3	3	75	75	<0.2	75	75	<0.2	1.7	1.8	1.7	1.8		
					Bottom	6.3	0.0	332	16.9	16.9	8.2	8.2	29.4	29.4	95.4	95.4	7.7	7.7	4.2	4.2	3	76	76	<0.2	76	76	<0.2	0.8	0.8	0.8	0.8		
						6.3	0.0	348	16.9	16.9	8.2	8.2	29.4	29.4	95.4	95.4	7.7	7.7	4.2	4.2	3	76	76	<0.2	76	76	<0.2	0.8	0.8	0.8	0.8		
IM11	Fine	Rough	10:05	7.8	Surface	1.0	0.1	266	16.8	16.8	8.2	8.2	29.5	29.5	94.1	94.1	7.6	7.7	3.8	4.2	4	73	75	821524	810566	<0.2	0.9	1.0	0.7				
						1.0	0.1	290	16.8	16.8	8.2	8.2	29.5	29.5	94.1	94.1	7.6	7.7	3.8	4.2	2	73	75	<0.2	73	75	<0.2	0.7	1.0	0.7	1.0		
					Middle	3.9	0.1	241	16.9	16.9	8.2	8.2	29.5	29.5	94.5	94.5	7.7	7.7	4.4	4.4	3	75	75	<0.2	75	75	<0.2	1.4	1.4	1.4	1.4		
						3.9	0.1	254	16.9	16.9	8.2	8.2	29.5	29.5	94.5	94.5	7.7	7.7	4.4	4.4	2	75	75	<0.2	75	75	<0.2	1.4	1.4	1.4	1.4		
					Bottom	6.8	0.1	254	16.9	16.9	8.2	8.2	29.5	29.5	95.0	95.0	7.7	7.7	4.5	4.5	4	76	76	<0.2	76	76	<0.2	0.9	0.9	0.9	0.9		
						6.8	0.1	260	16.9	16.9	8.2	8.2	29.5	29.5	95.0	95.0	7.7	7.7	4.5	4.5	3	76	76	<0.2	76	76	<0.2	0.8	0.8	0.8	0.8		
IM12	Fine	Rough	09:57	8.3	Surface	1.0	0.2	253	17.0	17.0	8.1	8.1	29.6	29.6	94.2	94.2	7.6	7.7	3.4	3.3	3	73	75	821153	811498	<0.2	1.0	1.0	1.0				
						1.0	0.2	278	17.0	17.0	8.1	8.1	29.6	29.6	94.2	94.2	7.6	7.7	3.4	3.3	2	74	75	<0.2	74	75	<0.2	1.3	1.3	1.3			
					Middle	4.2	0.2	230	17.1	17.1	8.1	8.1	29.6	29.6	94.8	94.8	7.7	7.7	3.0	3.0	2	75	75	<0.2	75	75	<0.2	1.3	1.3	1.3	1.3		
						4.2	0.2	247	17.1	17.1	8.1	8.1	29.6	29.6	94.8	94.8	7.7	7.7	3.0	3.0	3	75	75	<0.2	75	75	<0.2	1.2	1.2	1.2	1.2		
					Bottom	7.3	0.2	227	17.1	17.1	8.1	8.1	29.7	29.7	95.2	95.2	7.7	7.7	3.5	3.5	3	76	76	<0.2	76	76	<0.2	0.5	0.5	0.5	0.5		
						7.3	0.2	230	17.1	17.1	8.1	8.1	29.7	29.7	95.2	95.2	7.7	7.7	3.5	3.5	4	76	76	<0.2	76	76	<0.2	0.6	0.6	0.6	0.6		
SR2	Fine	Moderate	09:26	4.0	Surface	1.0	0.1	298	16.8	16.8	8.1	8.1	29.1	29.1	93.2	93.2	7.6	7.6	4.5	4.8	4	73	74	821448	814168	<0.2	0.8	0.8	0.8				
						1.0	0.1	299	16.8	16.8	8.1	8.1	29.1	29.1	93.2	93.2	7.6	7.6	4.5	4.8	5	73	74	<0.2	73	74	<0.2	0.8	0.8	0.8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.0	0.1	293	16.9	16.9	8.1	8.1	29.4	29.4	93.7	93.7	7.6	7.6	5.0	5.0	4	75	75	<0.2	75	75	<0.2	0.8	0.8	0.8	0.8		
						3.0	0.1	307	16.9	16.9	8.1	8.1	29.4	29.4	93.7	93.7	7.6	7.6	5.0	5.0	3	75	75	<0.2	75	75	<0.2	0.7	0.7	0.7	0.7		
SR3	Fine	Rough	10:41	8.6	Surface	1.0	0.1	149	16.3	16.3	8.3	8.3	29.1	29.1	97.6	97.6	8.0	8.0	6.0	6.2	3	-	-	822117	807579	-	-	-	-				
						1.0	0.1	149	16.3	16.3	8.3	8.3	29.1	29.1	97.6	97.6	8.0	8.0	6.0	6.2	5	-	-	-	-	-	-	-	-	-	-		
					Middle	4.3	0.1	141	16.3	16.3	8.3	8.3	29.1	29.1	97.0	97.0	8.0	8.0	6.3	6.3	6	-	-	-	-	-	-	-	-	-	-	-	-
						4.3	0.1	154	16.3	16.3	8.3	8.3	29.1	29.1	97.0	97.0	8.0	8.0	6.3	6.3	5	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	7.6	0.1	98	16.3	16.3	8.3	8.3	29.2	29.2	97.2	97.2	8.0	8.0	6.3	6.3	15	-	-	-	-	-	-	-	-	-	-	-	-
						7.6	0.1	98	16.3	16.3	8.3	8.3	29.2	29.2	97.2	97.2	8.0	8.0	6.3	6.3	15	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Fine	Moderate	09:11	8.8	Surface	1.0	0.1	119	15.9	15.9	8.1	8.1	29.6	29.6	94.2	94.2	7.8	7.8	5.6	7.0	5	-	-	817195	807813	-	-	-	-				
						1.0	0.1	121	15.9	15.9	8.1	8.1	29.6	29.6	94.2	94.2	7.8	7.8	5.6	7.0	4	-	-	-	-	-	-	-	-	-			
					Middle	4.4	0.1	103	16.0	16.0	8.1	8.1	29.8	29.8	95.0	95.0	7.8	7.8	6.4	7.8	3	-	-	-	-	-	-	-	-	-	-		
						4.4	0.1	108	16.0	16.0	8.1	8.1	29.8	29.8	95.0	95.0	7.8	7.8	6.5	7.8	4	-	-	-	-	-	-	-	-	-	-		
					Bottom	7.8	0.2	98	15.9	15.9	8.1	8.1	30.5	30.5	95.5	95.5	7.8	7.8	8.8	7.9	4	-	-	-	-	-	-	-	-	-	-		
						7.8	0.2	102	15.9	15.9	8.1	8.1	30.5	30.5	95.5	95.5	7.9	7.9	8.8	7.9	6	-	-	-	-	-	-	-	-	-	-		
SR5A	Fine	Moderate	08:55	4.7	Surface	1.0	0.1	282	16.0	16.0	8.0	8.0	29.3	29.3	95.3	95.4	7.9	7.9	5.4	5.5	5	-	-	816579	810690	-	-	-	-				
						1.0	0.1	298	16.0	16.0	8.0	8.0	29.3	29.3	95.4	95.4	7.9	7.9	5.4	5.5	5	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.7	0.0	253	16.1	16.1	8.0	8.0	29.3	29.3	97.7	97.8	8.1	8.1	5.5	5.5	2	-	-	-	-	-	-	-	-	-	-		
						3.7	0.0	263	16.1	16.1	8.0	8.0	29.3	29.3	97.8	97.8	8.1	8.1	5.5	5.5	4	-	-	-	-	-	-	-	-	-			
SR6	Fine	Moderate	08:30	3.9	Surface	1.0	0.0	266	15.8	15.8	8.0	8.0	28.5</																				

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

Water Quality Monitoring Results on 12 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	15:06	8.4	Surface	1.0	0.3	52	16.2	8.1	8.1	31.6	31.6	99.3	99.3	8.1	8.1	5.5	6	73	76	815619	804252	<0.2	0.5	0.6				
						1.0	0.3	56	16.2	8.1	8.1	31.6	31.6	99.3	99.3	8.1	8.1	5.5	5	74	76									
					Middle	4.2	0.3	35	16.1	8.1	8.1	31.6	31.6	99.1	99.2	8.1	8.1	5.9	4	76	76	5	76	<0.2	0.5					
						4.2	0.3	36	16.1	8.1	8.1	31.6	31.6	99.2	99.2	8.1	8.1	6.0	4	76	76	4	76	<0.2	0.5					
					Bottom	7.4	0.1	356	16.1	8.1	8.1	31.7	31.7	100.0	100.0	8.1	8.1	8.3	4	78	78	5	78	<0.2	0.7					
						7.4	0.1	328	16.1	8.1	8.1	31.7	31.7	100.0	100.0	8.1	8.1	8.2	5	78	78	5	78	<0.2	0.5					
C2	Fine	Rough	14:03	11.0	Surface	1.0	0.1	288	17.1	8.1	8.1	29.2	29.2	98.3	98.3	8.0	7.9	3.1	7	71	73	825678	806938	<0.2	0.5	0.5				
						1.0	0.1	277	17.1	8.1	8.1	29.2	29.2	98.3	98.3	8.0	7.9	3.1	7	72	73	<0.2	0.5							
					Middle	5.5	0.3	323	17.2	8.1	8.1	29.9	29.9	96.9	96.9	7.8	7.8	4.9	9	73	75	8	75	<0.2	0.5					
						5.5	0.3	339	17.2	8.1	8.1	29.9	29.9	96.9	96.9	7.8	7.8	4.9	8	73	75	8	75	<0.2	0.5					
					Bottom	10.0	0.3	337	17.2	8.1	8.1	30.8	30.8	97.8	97.8	7.8	7.8	6.1	8	75	75	8	75	<0.2	0.4					
						10.0	0.3	353	17.2	8.1	8.1	30.8	30.8	97.8	97.8	7.8	7.8	6.1	9	75	75	8	75	<0.2	0.4					
C3	Fine	Moderate	16:07	12.1	Surface	1.0	0.5	273	17.2	8.1	8.1	29.8	29.8	95.8	95.8	7.7	7.7	3.4	6	73	75	822110	817814	<0.2	0.5	0.5				
						1.0	0.5	283	17.2	8.1	8.1	29.8	29.8	95.8	95.8	7.7	7.7	3.4	7	73	75	<0.2	0.5							
					Middle	6.1	0.4	279	17.2	8.1	8.1	29.7	29.7	96.1	96.1	7.7	7.7	3.7	7	75	75	5	75	<0.2	0.4					
						6.1	0.5	301	17.2	8.1	8.1	29.7	29.7	96.1	96.1	7.7	7.7	3.7	5	75	75	5	75	<0.2	0.4					
					Bottom	11.1	0.4	274	17.2	8.1	8.1	29.6	29.6	96.6	96.7	7.8	7.8	3.4	9	77	77	8	78	<0.2	0.4					
						11.1	0.4	290	17.2	8.1	8.1	29.7	29.7	96.8	96.7	7.8	7.8	3.6	8	78	78	8	78	<0.2	0.5					
IM1	Fine	Moderate	14:47	7.2	Surface	1.0	0.3	351	16.1	8.4	8.4	30.8	30.8	100.7	100.7	8.2	8.2	3.5	5	74	76	818364	806480	<0.2	0.5	0.5				
						1.0	0.3	323	16.1	8.4	8.4	30.8	30.8	100.7	100.7	8.2	8.2	3.5	4	74	76	<0.2	0.5							
					Middle	3.6	0.4	3	16.0	8.4	8.4	30.9	30.9	100.6	100.6	8.2	8.2	4.6	4	76	76	4	76	<0.2	0.5					
						3.6	0.4	3	16.0	8.4	8.4	30.9	30.9	100.6	100.6	8.2	8.2	4.6	4	76	76	4	76	<0.2	0.5					
					Bottom	6.2	0.3	14	15.9	8.4	8.4	31.1	31.1	101.0	101.1	8.3	8.3	6.5	5	78	78	5	78	<0.2	0.6					
						6.2	0.3	14	15.9	8.4	8.4	31.1	31.1	101.1	101.1	8.3	8.3	6.5	6	78	78	5	78	<0.2	0.5					
IM2	Fine	Moderate	14:41	8.1	Surface	1.0	0.1	303	16.0	8.2	8.2	30.6	30.6	100.3	100.3	8.2	8.2	3.7	7	74	76	818874	806188	<0.2	0.5	0.5				
						1.0	0.1	323	16.0	8.2	8.2	30.6	30.6	100.3	100.3	8.2	8.2	3.7	6	74	76	<0.2	0.5							
					Middle	4.1	0.2	343	15.9	8.2	8.2	30.7	30.7	100.1	100.1	8.2	8.2	4.4	6	76	76	5	76	<0.2	0.5					
						4.1	0.2	316	15.9	8.2	8.2	30.7	30.7	100.1	100.1	8.2	8.2	4.4	5	76	76	5	76	<0.2	0.5					
					Bottom	7.1	0.2	11	15.9	8.1	8.1	31.1	31.1	100.5	100.5	8.2	8.2	6.1	6	78	78	6	78	<0.2	0.5					
						7.1	0.2	11	15.9	8.1	8.1	31.1	31.1	100.5	100.5	8.2	8.2	6.1	5	78	78	6	78	<0.2	0.6					
IM3	Fine	Moderate	14:33	8.0	Surface	1.0	0.1	9	16.1	8.3	8.3	30.4	30.4	100.1	100.1	8.2	8.2	4.1	4	73	75	819434	806005	<0.2	0.5	0.5				
						1.0	0.1	9	16.1	8.3	8.3	30.4	30.4	100.1	100.1	8.2	8.2	4.1	4	74	75	<0.2	0.5							
					Middle	4.0	0.1	11	16.0	8.2	8.2	30.5	30.5	99.7	99.7	8.2	8.2	4.1	4	75	76	3	76	<0.2	0.4					
						4.0	0.1	11	16.0	8.2	8.2	30.5	30.5	99.7	99.7	8.2	8.2	4.1	3	76	76	3	76	<0.2	0.5					
					Bottom	7.0	0.2	61	15.9	8.1	8.1	30.9	30.9	100.0	100.1	8.2	8.2	5.4	3	77	77	3	77	<0.2	0.5					
						7.0	0.2	61	15.9	8.1	8.1	30.9	30.9	100.1	100.1	8.2	8.2	5.4	3	78	78	3	78	<0.2	0.6					
IM4	Fine	Moderate	14:25	7.3	Surface	1.0	0.2	349	16.1	8.3	8.3	30.7	30.7	100.0	100.0	8.2	8.2	6.5	6	74	76	819570	805060	<0.2	0.5	0.6				
						1.0	0.2	321	16.1	8.3	8.3	30.7	30.7	100.0	100.0	8.2	8.2	6.5	6	74	76	<0.2	0.6							
					Middle	3.7	0.2	358	16.1	8.2	8.2	30.7	30.7	100.0	100.0	8.2	8.2	5.6	4	76	76	5	76	<0.2	0.5					
						3.7	0.2	358	16.1	8.2	8.2	30.7	30.7	100.0	100.0	8.2	8.2	5.6	4	76	76	5	76	<0.2	0.6					
					Bottom	6.3	0.3	9	16.0	8.1	8.1	30.8	30.8	100.4	100.4	8.2	8.2	5.4	5	78	78	4	78	<0.2	0.5					
						6.3	0.3	9	16.0	8.1	8.1	30.8	30.8	100.4	100.4	8.2	8.2	5.4	4	78	78	4	78	<0.2	0.5					
IM5	Fine	Moderate	14:17	6.5	Surface	1.0	0.2	356	16.3	8.1	8.1	30.4	30.4	99.1	99.1	8.1	8.1	4.4	5	74	76	820585	804906	<0.2	0.4	0.4				
						1.0	0.2	328	16.3	8.1	8.1	30.4	30.4	99.1	99.1	8.1	8.1	4.4	4	74	75	<0.2	0.5							
					Middle	3.3	0.2	352	16.3	8.1	8.1	30.5	30.5	98.9	98.9	8.1	8.1	4.2	5	75	76	3	76	<0.2	0.5					
						3.3	0.2	357	16.3	8.1	8.1	30.5	30.5	98.9	98.9	8.1	8.1	4.2	3	76	76	3	76	<0.2	0.5					
					Bottom	5.5	0.2	351	16.2	8.1	8.1	30.6	30.6	99.5	99.5	8.1	8.1	4.4	5	78	78	4	78	<0.2	0.4					
						5.5	0.2	323	16.2	8.1	8.1	30.6	30.6	99.6	99.6	8.1	8.1	4.4	4	78	78	4	78	<0.2	0.4					
IM6	Fine	Moderate	14:09	6.5	Surface	1.0	0.2	335	16.2	8.1	8.1	30.5	30.5	100.2	100.2	8.2	8.2	4.4	3	74	76	821086	805833	<0.2	0.5	0.5				
						1.0	0.2	308	16.2	8.1	8.1	30.5	30.5	100.2	100.2	8.2	8.2	4.4	4	74	76	<0.2	0.5							
					Middle	3.3	0.3	350	16.2	8.1	8.1	30.5	30.5	100.3	100.4	8.2	8.2	4.5	2	76	76	4	76	<0.2	0.6					
						3.3	0.3	322	16.2	8.1	8.1	30.5	30.5	100.4	100.4	8.2	8.2	4.5	4	76	76	4	76	<0.2	0.5					
					Bottom	5.5	0.2	352	16.1	8.1	8.1	30.5	30.5	101.0	101.1	8.3	8.3	5.7	5	77	77	4	77	<0.2	0.4					
						5.5	0.2	324	16.1	8.1	8.1	30.5	30.5	101.1	101.1	8.3	8.3	5.7	4	78	78	4	78	<0.2	0.4					
IM7	Fine	Moderate	13:59	7.6	Surface	1.0	0.1	257	16.5	8.1	8.1	30.4	30.4	99.3	99.3	8.1	8.1	3.4	4	73	75	821378	806815	<0.2	0.5	0.5				
						1.0	0.1	263	16.5	8.1	8.1	30.4	30.4	99.3	99.3	8.1	8.1	3.5	5	74	75	<0.2	0.5							
					Middle	3.8	0.1	301	16.4	8.1	8.1	30.4	30.4	99.8	99.9	8.1	8.1	3.9	3	75	75	3	75	<0.2	0.5					
						3.8	0.1	305	16																					

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

Water Quality Monitoring Results on 12 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU) DA	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	Value	Value	Value	Value	Value	Value	Value	Value	Value		Value	Value	Value	Value			Value	Value	Value	Value	Value														
IM9	Fine	Moderate	14:40	7.0	Surface	1.0	0.2	298	17.0	8.2	8.2	29.3	29.3	98.0	98.0	7.9	8.0	5.6	5.6	7	7	73	73	822067	808831	<0.2	<0.2	0.4	0.4															
						1.0	0.2	320	17.0	8.2	8.2	29.3	29.3	98.0	98.0	7.9	8.0	5.6	5.6	6	6	72	72																					
					Middle	3.5	0.3	302	17.0	8.2	8.2	29.3	29.3	98.5	98.5	8.0	8.0	5.4	5.4	4	4	74	74							74	74	<0.2	<0.2	0.4	0.4									
						3.5	0.3	331	17.0	8.2	8.2	29.3	29.3	98.5	98.5	8.0	8.0	5.4	5.4	5	5	74	74																					
					Bottom	6.0	0.2	289	17.0	8.2	8.2	29.3	29.3	98.8	98.8	8.0	8.0	5.8	5.8	5	5	75	75													74	74	<0.2	<0.2	0.5	0.5			
						6.0	0.2	316	17.0	8.2	8.2	29.3	29.3	98.8	98.8	8.0	8.0	5.8	5.8	5	5	75	75																					
IM10	Fine	Moderate	14:49	7.2	Surface	1.0	0.5	301	17.1	8.2	8.2	29.6	29.6	97.5	97.5	7.9	7.9	4.2	4.2	6	6	73	73	822269	809823	<0.2	<0.2	0.4	0.4															
						1.0	0.5	324	17.1	8.2	8.2	29.6	29.6	97.5	97.5	7.9	7.9	4.2	4.2	5	5	73	73																					
					Middle	3.6	0.4	298	17.0	8.2	8.2	29.6	29.6	97.3	97.3	7.9	7.9	4.5	4.5	6	6	74	74							74	74	<0.2	<0.2	0.6	0.4									
						3.6	0.5	312	17.0	8.2	8.2	29.6	29.6	97.3	97.3	7.9	7.9	4.5	4.5	8	8	75	75																					
					Bottom	6.2	0.4	292	17.1	8.2	8.2	29.7	29.7	97.5	97.5	7.9	7.9	11.3	11.3	9	9	75	75													74	74	<0.2	<0.2	0.4	0.4			
						6.2	0.4	317	17.1	8.2	8.2	29.7	29.7	97.5	97.5	7.9	7.9	11.3	11.3	9	9	75	75																					
IM11	Fine	Moderate	15:02	7.3	Surface	1.0	0.4	289	17.2	8.2	8.2	29.8	29.8	96.9	96.9	7.8	7.8	3.4	3.4	6	6	74	74	821524	810551	<0.2	<0.2	0.5	0.5															
						1.0	0.4	306	17.2	8.2	8.2	29.8	29.8	96.9	96.9	7.8	7.8	3.4	3.4	6	6	73	73																					
					Middle	3.7	0.4	287	17.2	8.1	8.1	29.8	29.8	96.9	96.9	7.8	7.8	3.8	3.8	8	8	76	76							75	75	<0.2	<0.2	0.4	0.4									
						3.7	0.4	305	17.2	8.1	8.1	29.8	29.8	96.9	96.9	7.8	7.8	3.8	3.8	7	7	77	77																					
					Bottom	6.3	0.2	277	17.2	8.1	8.1	29.8	29.8	97.7	97.7	7.9	7.9	5.0	5.0	13	13	76	76													75	75	<0.2	<0.2	0.5	0.5			
						6.3	0.3	290	17.2	8.1	8.1	29.8	29.8	97.7	97.7	7.9	7.9	5.0	5.0	12	12	76	76																					
IM12	Fine	Moderate	15:11	8.5	Surface	1.0	0.5	288	17.2	8.2	8.2	29.5	29.5	95.9	95.9	7.7	7.7	4.0	4.0	6	6	73	73	821176	811499	<0.2	<0.2	0.5	0.5															
						1.0	0.5	316	17.2	8.2	8.2	29.5	29.5	95.9	95.9	7.7	7.7	4.0	4.0	7	7	74	74																					
					Middle	4.3	0.4	289	17.2	8.1	8.1	29.7	29.7	96.6	96.6	7.8	7.8	5.0	5.0	7	7	75	75							75	75	<0.2	<0.2	0.4	0.4									
						4.3	0.4	302	17.2	8.1	8.1	29.7	29.7	96.6	96.6	7.8	7.8	5.0	5.0	7	7	75	75																					
					Bottom	7.5	0.3	286	17.3	8.1	8.1	29.9	29.9	97.5	97.5	7.8	7.8	6.2	6.2	8	8	76	76													75	75	<0.2	<0.2	0.5	0.5			
						7.5	0.3	305	17.3	8.1	8.1	29.9	29.9	97.5	97.5	7.8	7.8	6.2	6.2	7	7	77	77																					
SR2	Fine	Moderate	15:39	4.1	Surface	1.0	0.1	51	17.2	8.2	8.2	29.9	29.9	98.8	98.8	7.9	7.9	5.2	5.2	4	4	73	73	821450	814181	<0.2	<0.2	0.6	0.5															
						1.0	0.1	52	17.2	8.2	8.2	29.9	29.9	98.8	98.8	7.9	7.9	5.2	5.2	6	6	74	74																					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	74	814181	<0.2							<0.2	0.5	0.5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-												
					Bottom	3.1	0.1	43	17.3	8.1	8.1	29.9	29.9	99.9	99.9	8.0	8.0	6.4	6.4	5	5	75	75							75	75	<0.2				<0.2	0.4	0.4						
						3.1	0.1	45	17.3	8.1	8.1	29.9	29.9	99.9	99.9	8.0	8.0	6.4	6.4	7	7	75	75																					
SR3	Fine	Moderate	14:26	8.1	Surface	1.0	0.1	306	16.6	8.2	8.2	28.1	28.1	100.5	100.5	8.3	8.3	6.0	6.0	7	7	-	-	822134	807588	-	-	-	-															
						1.0	0.1	334	16.6	8.2	8.2	28.1	28.1	100.5	100.5	8.3	8.3	6.0	6.0	7	7	-	-																					
					Middle	4.1	0.1	320	16.5	8.2	8.2	28.5	28.5	100.4	100.4	8.3	8.3	5.4	5.4	7	7	-	-										75	75	<0.2				<0.2	0.4	0.4			
						4.1	0.1	327	16.5	8.2	8.2	28.5	28.5	100.4	100.4	8.3	8.3	5.4	5.4	6	6	-	-																					
					Bottom	7.1	0.1	352	16.5	8.2	8.2	29.4	29.4	100.3	100.3	8.2	8.2	3.9	3.9	10	10	-	-							74	74	<0.2				<0.2	0.5	0.5						
						7.1	0.1	356	16.5	8.2	8.2	29.4	29.4	100.3	100.3	8.2	8.2	3.9	3.9	9	9	-	-																					
SR4A	Fine	Moderate	15:26	8.3	Surface	1.0	0.2	238	16.5	8.0	8.0	29.9	29.9	97.4	97.4	7.9	7.9	5.6	5.6	4	4	-	-	817193	807817	-	-	-	-															
						1.0	0.2	241	16.5	8.0	8.0	29.9	29.9	97.3	97.3	7.9	7.9	5.6	5.6	3	3	-	-																					
					Middle	4.2	0.1	247	16.2	8.0	8.0	30.2	30.2	97.3	97.3	8.0	8.0	6.1	6.1	4	4	-	-										74	74	<0.2				<0.2	0.5	0.5			
						4.2	0.1	249	16.2	8.0	8.0	30.2	30.2	97.3	97.3	8.0	8.0	6.1	6.1	4	4	-	-																					
					Bottom	7.3	0.0	97	15.9	8.0	8.0	31.0	31.0	98.4	98.4	8.1	8.1	5.7	5.7	4	4	-	-							75	75	<0.2				<0.2	0.4	0.4						
						7.3	0.0	98	15.9	8.0	8.0	31.0	31.0	98.5	98.5	8.1	8.1	5.7	5.7	4	4	-	-																					
SR5A	Fine	Moderate	15:44	5.2	Surface	1.0	0.2	302	16.2	8.0	8.0	29.7	29.7	98.0	98.0	8.0	8.0	5.4	5.4	2	2	-	-	816582	810720	-	-	-	-															
						1.0	0.2	321	16.2	8.0	8.0	29.7	29.7	98.0	98.0	8.0	8.0	5.4	5.4	4	4	-	-																					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										-	-	-				74	74	<0.2	<0.2	0.5	0.5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										-	-	-									
					Bottom	4.2	0.2	303	16.2	8.0	8.0	29.7	29.7	99.0	99.0	8.1	8.1	7.9	7.9	3	3	-	-							75	75	<0.2	<0.2	0.5	0.5									
						4.2	0.2	317	16.2	8.0	8.0	29.7	29.7	99.1	99.1	8.1	8.1	8.0	8.0	3	3	-	-																					
SR6	Fine	Moderate	16:08	4.5	Surface	1.0	0.1	240	16.7	8.0	8.0	30.6	30.6	97.8	97.8	7.9	7.9	11.2	11.2	4	4	-	-	817885	814685	-	-	-	-															
						1.0	0.1	255	16.7	8.0	8.0	30.6	30.6	97.9	97.9	7.9	7.9	11.2	11.2	4	4	-	-																					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													-	-	-	74	74	<0.2	<0.2	0.5	0.5
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													-	-	-						
					Bottom	3.5	0.1	231	16.7	8.0	8.0	30.6	30.6	99.5	99.5	8.0	8.0	11.5	11.5	3	3	-	-							75	75	<0.2	<0.2	0.5	0.5									
						3.5	0.1	236	16.7	8.0	8.0	30.6	30.6	99.6	99.6	8.1	8.1	11.5	11.5	3	3	-	-																					
SR7	Fine	Moderate	16:42	16.6																																								

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

Water Quality Monitoring Results on 14 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	11:10	8.4	Surface	1.0	0.2	149	16.1	8.2	8.2	31.8	31.8	99.7	99.7	8.1	8.1	7.4	7.4	5	73	74	815594	804222	<0.2	<0.2	0.6	0.7						
						1.0	0.2	154	16.1	8.2	8.2	31.8	31.8	99.7	99.7	8.1	8.1	7.4	7.4	6	73	74			<0.2	<0.2	0.6	0.7						
						4.2	0.1	177	16.0	8.3	8.3	31.8	31.8	99.7	99.7	8.1	8.1	7.5	7.5	6	74	74			<0.2	<0.2	0.6	0.7						
					Middle	4.2	0.1	193	16.0	8.3	8.3	31.8	31.8	99.7	99.7	8.1	8.1	7.5	7.5	6	74	74			<0.2	<0.2	0.6	0.7						
						7.4	0.1	141	16.0	8.3	8.3	31.8	31.8	100.1	100.1	8.1	8.1	7.0	7.0	6	74	74			<0.2	<0.2	0.6	0.7						
						7.4	0.1	141	16.0	8.3	8.3	31.8	31.8	100.1	100.1	8.1	8.1	7.0	7.0	6	74	74			<0.2	<0.2	0.6	0.7						
C2	Fine	Moderate	10:06	11.6	Surface	1.0	0.2	24	16.3	8.2	8.2	29.6	29.6	98.5	98.5	8.1	8.1	3.6	3.6	3	72	73	825696	806925	<0.2	<0.2	0.7	0.8						
						1.0	0.2	24	16.3	8.2	8.2	29.6	29.6	98.5	98.5	8.1	8.1	3.6	3.6	3	72	73			<0.2	<0.2	0.7	0.8						
						5.8	0.2	28	16.2	8.2	8.2	29.8	29.8	98.0	98.0	8.0	8.0	5.7	5.7	3	73	73			<0.2	<0.2	0.7	0.8						
					Middle	5.8	0.2	28	16.2	8.2	8.2	29.8	29.8	98.0	98.0	8.0	8.0	5.7	5.7	4	73	73			<0.2	<0.2	0.7	0.8						
						10.6	0.2	35	16.2	8.2	8.2	30.3	30.3	98.0	98.0	8.0	8.0	10.2	10.2	4	74	74			<0.2	<0.2	0.9	0.9						
						10.6	0.2	36	16.2	8.2	8.2	30.3	30.3	98.0	98.0	8.0	8.0	10.2	10.2	4	75	75			<0.2	<0.2	0.9	0.9						
C3	Fine	Moderate	11:54	11.9	Surface	1.0	0.2	103	16.9	8.2	8.2	30.3	30.3	97.8	97.8	7.9	7.9	3.8	3.8	2	73	74	822107	817824	<0.2	<0.2	0.6	0.5						
						1.0	0.2	104	16.9	8.2	8.2	30.3	30.3	97.8	97.8	7.9	7.9	3.8	3.8	2	74	74			<0.2	<0.2	0.7	0.5						
						6.0	0.3	89	16.9	8.2	8.2	30.2	30.2	98.1	98.1	7.9	7.9	4.9	4.9	2	74	75			<0.2	<0.2	0.5	0.5						
					Middle	6.0	0.3	94	16.9	8.2	8.2	30.2	30.2	98.1	98.1	7.9	7.9	4.9	4.9	2	75	75			<0.2	<0.2	0.5	0.5						
						10.9	0.2	90	16.9	8.2	8.2	30.1	30.1	99.7	99.7	8.1	8.1	2.8	2.8	3	77	77			<0.2	<0.2	0.4	0.5						
						10.9	0.2	92	16.9	8.2	8.2	30.1	30.1	99.7	99.7	8.1	8.1	2.8	2.8	3	77	77			<0.2	<0.2	0.5	0.5						
IM1	Sunny	Moderate	10:52	7.5	Surface	1.0	0.2	3	16.0	8.3	8.3	31.9	31.9	100.3	100.3	8.2	8.2	7.1	7.1	5	73	74	818325	806429	<0.2	<0.2	0.6	0.6						
						1.0	0.2	3	16.0	8.3	8.3	31.9	31.9	100.3	100.3	8.2	8.2	7.1	7.1	6	73	74			<0.2	<0.2	0.7	0.6						
						3.8	0.2	12	15.9	8.3	8.3	31.9	31.9	100.1	100.1	8.2	8.2	7.4	7.4	4	74	74			<0.2	<0.2	0.6	0.6						
					Middle	3.8	0.2	12	15.9	8.3	8.3	31.9	31.9	100.1	100.1	8.2	8.2	7.4	7.4	6	74	74			<0.2	<0.2	0.7	0.6						
						6.5	0.1	17	15.9	8.3	8.3	31.8	31.8	100.4	100.4	8.2	8.2	7.4	7.4	5	75	75			<0.2	<0.2	0.5	0.5						
						6.5	0.2	17	15.9	8.3	8.3	31.8	31.8	100.4	100.4	8.2	8.2	7.4	7.4	5	75	75			<0.2	<0.2	0.6	0.6						
IM2	Sunny	Moderate	10:47	8.3	Surface	1.0	0.2	61	16.0	8.3	8.3	31.9	31.9	99.7	99.7	8.1	8.1	8.6	8.6	8	72	73	818849	806168	<0.2	<0.2	0.6	0.6						
						1.0	0.2	66	16.0	8.3	8.3	31.9	31.9	99.7	99.7	8.1	8.1	8.6	8.6	7	72	72			<0.2	<0.2	0.5	0.5						
						4.2	0.1	37	16.0	8.3	8.3	31.9	31.9	99.6	99.6	8.1	8.1	8.4	8.4	6	72	72			<0.2	<0.2	0.6	0.6						
					Middle	4.2	0.2	40	16.0	8.3	8.3	31.9	31.9	99.6	99.6	8.1	8.1	8.4	8.4	7	72	72			<0.2	<0.2	0.8	0.6						
						7.3	0.2	22	16.0	8.3	8.3	31.9	31.9	100.2	100.2	8.2	8.2	8.5	8.5	7	73	73			<0.2	<0.2	0.6	0.6						
						7.3	0.2	23	16.0	8.3	8.3	31.9	31.9	100.2	100.2	8.2	8.2	8.5	8.5	8	74	74			<0.2	<0.2	0.6	0.6						
IM3	Sunny	Moderate	10:40	8.5	Surface	1.0	0.2	52	16.1	8.3	8.3	31.9	31.9	99.3	99.3	8.1	8.1	9.2	9.2	5	72	73	819397	806029	<0.2	<0.2	0.5	0.6						
						1.0	0.2	52	16.1	8.3	8.3	31.9	31.9	99.3	99.3	8.1	8.1	9.2	9.2	6	73	73			<0.2	<0.2	0.6	0.6						
						4.3	0.2	66	16.1	8.3	8.3	31.9	31.9	99.1	99.1	8.0	8.0	8.9	8.9	6	73	73			<0.2	<0.2	0.6	0.6						
					Middle	4.3	0.2	71	16.1	8.3	8.3	31.9	31.9	99.1	99.1	8.0	8.0	8.9	8.9	7	73	73			<0.2	<0.2	0.6	0.6						
						7.5	0.2	62	16.1	8.3	8.3	31.9	31.9	99.3	99.3	8.1	8.1	9.1	9.1	6	74	74			<0.2	<0.2	0.6	0.6						
						7.5	0.2	65	16.1	8.3	8.3	31.9	31.9	99.3	99.3	8.1	8.1	9.1	9.1	6	74	74			<0.2	<0.2	0.5	0.5						
IM4	Sunny	Moderate	10:33	7.8	Surface	1.0	0.2	5	16.0	8.3	8.3	31.9	31.9	99.4	99.4	8.1	8.1	9.5	9.5	8	72	73	819576	805047	<0.2	<0.2	0.5	0.6						
						1.0	0.2	5	16.0	8.3	8.3	31.9	31.9	99.4	99.4	8.1	8.1	9.5	9.5	7	72	72			<0.2	<0.2	0.5	0.5						
						3.9	0.1	39	16.0	8.3	8.3	31.9	31.9	99.7	99.7	8.1	8.1	9.8	9.8	7	73	73			<0.2	<0.2	0.6	0.6						
					Middle	3.9	0.1	40	16.0	8.3	8.3	31.9	31.9	99.7	99.7	8.1	8.1	9.8	9.8	9	73	73			<0.2	<0.2	0.6	0.6						
						6.8	0.1	34	16.0	8.3	8.3	31.9	31.9	100.2	100.2	8.2	8.2	10.2	10.2	8	73	73			<0.2	<0.2	0.6	0.6						
						6.8	0.1	36	16.0	8.3	8.3	31.9	31.9	100.2	100.2	8.2	8.2	10.2	10.2	8	74	74			<0.2	<0.2	0.6	0.6						
IM5	Sunny	Moderate	10:25	7.1	Surface	1.0	0.1	19	15.7	8.3	8.3	31.8	31.8	99.7	99.7	8.2	8.2	9.3	9.3	8	72	73	820555	804896	<0.2	<0.2	0.6	0.6						
						1.0	0.1	19	15.7	8.3	8.3	31.8	31.8	99.7	99.7	8.2	8.2	9.3	9.3	8	72	72			<0.2	<0.2	0.6	0.6						
						3.6	0.1	352	15.7	8.3	8.3	31.8	31.8	99.6	99.6	8.2	8.2	9.7	9.7	7	73	73			<0.2	<0.2	0.6	0.6						
					Middle	3.6	0.1	354	15.7	8.3	8.3	31.8	31.8	99.6	99.6	8.2	8.2	9.7	9.7	9	73	73			<0.2	<0.2	0.7	0.6						
						6.1	0.1	38	15.7	8.3	8.3	31.8	31.8	100.1	100.1	8.2	8.2	10.2	10.2	10	74	74			<0.2	<0.2	0.6	0.6						
						6.1	0.1	39	15.7	8.3	8.3	31.8	31.8	100.1	100.1	8.2	8.2	10.2	10.2	8	74	74			<0.2	<0.2	0.6	0.6						
IM6	Sunny	Moderate	10:17	7.0	Surface	1.0	0.1	56	15.4	8.3	8.3	31.6	31.6	100.5	100.5	8.3	8.3	7.8	7.8	6	73	73	821073	805800	<0.2	<0.2	0.6	0.7						
						1.0	0.1	61	15.4	8.3	8.3	31.6	31.6	100.5	100.5	8.3	8.3	7.8	7.8	7	73	73			<0.2	<0.2	0.8	0.7						
						3.5	0.2	54	15.4	8.3	8.3	31.7	31.7	100.3	100.3	8.3	8.3	7.4	7.4	6	73	73			<0.2	<0.2	0.7	0.7						
					Middle	3.5	0.2	54	15.4																									

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

Water Quality Monitoring Results on 14 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	10:40	7.0	Surface	1.0	0.2	64	15.8	15.8	8.3	8.3	30.3	30.3	100.7	100.7	8.3	8.3	9.0	9.0	10	73	74	822105	808811	<0.2	0.9	0.8	0.8			
						1.0	0.2	65	15.8	8.3	8.3	30.3	30.3	100.7	100.7	8.3	8.3	9.0	9.0	10	73	74	822105	808811	<0.2	0.7	0.8	0.8				
					Middle	3.5	0.2	67	15.7	15.7	8.3	8.3	30.4	30.4	100.6	100.6	8.3	8.3	8.1	8.1	8	74	75	74	822105	808811	<0.2	0.7	0.8	0.8		
						3.5	0.2	67	15.7	15.7	8.3	8.3	30.4	30.4	100.6	100.6	8.3	8.3	8.1	8.1	8	75	75	74	822105	808811	<0.2	0.7	0.8	0.8		
					Bottom	6.0	0.2	76	15.8	15.8	8.3	8.3	30.5	30.5	100.9	100.9	8.3	8.3	8.5	8.5	10	75	75	75	74	822105	808811	<0.2	0.7	0.8	0.8	
						6.0	0.2	77	15.8	15.8	8.3	8.3	30.5	30.5	100.9	100.9	8.3	8.3	8.5	8.5	11	75	75	75	74	822105	808811	<0.2	0.8	0.8	0.8	
IM10	Fine	Moderate	10:48	6.8	Surface	1.0	0.1	38	16.1	16.1	8.2	8.2	30.4	30.4	100.5	100.5	8.2	8.2	6.3	6.3	5	73	74	822237	809844	<0.2	0.9	1.0	1.0			
						1.0	0.1	41	16.1	16.1	8.2	8.2	30.4	30.4	100.5	100.5	8.2	8.2	6.3	6.3	5	73	74	822237	809844	<0.2	0.8	1.0	1.0			
					Middle	3.4	0.1	54	16.1	16.1	8.2	8.2	30.4	30.4	100.6	100.6	8.2	8.2	8.5	8.5	3	74	75	75	822237	809844	<0.2	1.1	0.9	0.9		
						3.4	0.1	54	16.1	16.1	8.2	8.2	30.4	30.4	100.6	100.6	8.2	8.2	8.5	8.5	3	75	75	75	822237	809844	<0.2	0.9	0.9	0.9		
					Bottom	5.8	0.1	45	16.1	16.1	8.2	8.2	30.4	30.4	101.1	101.1	8.3	8.3	10.8	10.8	4	77	77	77	822237	809844	<0.2	1.1	0.9	0.9		
						5.8	0.1	48	16.1	16.1	8.2	8.2	30.4	30.4	101.1	101.1	8.3	8.3	10.8	10.8	3	77	77	77	822237	809844	<0.2	0.9	0.9	0.9		
IM11	Fine	Moderate	10:59	8.3	Surface	1.0	0.2	65	15.9	15.9	8.3	8.3	30.4	30.4	101.5	101.5	8.3	8.3	7.3	7.3	5	74	75	821483	810538	<0.2	0.8	0.8	0.8			
						1.0	0.2	68	15.9	15.9	8.3	8.3	30.4	30.4	101.5	101.5	8.3	8.3	7.3	7.3	6	73	75	821483	810538	<0.2	0.9	0.8	0.8			
					Middle	4.2	0.2	65	15.9	15.9	8.3	8.3	30.4	30.4	101.7	101.7	8.4	8.4	7.3	7.3	4	75	74	75	821483	810538	<0.2	0.8	0.8	0.8		
						4.2	0.3	65	15.9	15.9	8.3	8.3	30.4	30.4	101.7	101.7	8.4	8.4	7.3	7.3	6	74	77	75	821483	810538	<0.2	0.9	0.8	0.8		
					Bottom	7.3	0.2	72	15.9	15.9	8.3	8.3	30.4	30.4	102.4	102.4	8.4	8.4	7.7	7.7	8	77	76	76	821483	810538	<0.2	0.8	0.8	0.8		
						7.3	0.2	74	15.9	15.9	8.3	8.3	30.4	30.4	102.4	102.4	8.4	8.4	7.8	7.8	9	76	76	76	821483	810538	<0.2	0.8	0.8	0.8		
IM12	Fine	Moderate	11:06	8.6	Surface	1.0	0.1	87	16.4	16.4	8.2	8.2	30.5	30.5	99.8	99.8	8.1	8.1	3.5	3.5	3	73	74	821162	811504	<0.2	0.8	0.8	0.8			
						1.0	0.1	91	16.4	16.4	8.2	8.2	30.5	30.5	99.8	99.8	8.1	8.1	3.5	3.5	2	73	74	821162	811504	<0.2	0.7	0.8	0.8			
					Middle	4.3	0.2	92	16.4	16.3	8.2	8.2	30.5	30.5	99.8	99.9	8.1	8.1	3.1	3.1	3	74	74	74	821162	811504	<0.2	0.7	0.8	0.8		
						4.3	0.2	95	16.3	16.3	8.2	8.2	30.5	30.5	99.9	99.9	8.1	8.1	3.3	3.3	3	74	75	74	821162	811504	<0.2	0.6	0.7	0.8		
					Bottom	7.6	0.2	117	16.3	16.3	8.2	8.2	30.5	30.5	100.8	100.8	8.2	8.2	3.6	3.6	4	75	75	75	821162	811504	<0.2	1.0	0.8	0.8		
						7.6	0.2	121	16.3	16.3	8.2	8.2	30.5	30.5	100.8	100.8	8.2	8.2	3.6	3.6	6	75	75	75	821162	811504	<0.2	0.8	0.8	0.8		
SR2	Fine	Moderate	11:31	3.6	Surface	1.0	0.1	14	16.7	16.7	8.2	8.2	30.2	30.2	100.7	100.7	8.2	8.2	3.7	3.7	3	73	74	821475	814157	<0.2	0.9	0.8	0.8			
						1.0	0.1	14	16.7	16.7	8.2	8.2	30.2	30.2	100.7	100.7	8.2	8.2	3.7	3.7	3	74	75	74	821475	814157	<0.2	0.8	0.8	0.8		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821475	814157	<0.2	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821475	814157	<0.2	-	-
					Bottom	2.6	0.1	26	16.7	16.7	8.2	8.2	30.1	30.1	101.7	101.7	8.2	8.2	1.9	1.9	4	75	75	75	74	821475	814157	<0.2	0.8	0.8	0.8	
						2.6	0.1	26	16.7	16.7	8.2	8.2	30.1	30.1	101.7	101.7	8.2	8.2	1.9	1.9	3	75	75	75	74	821475	814157	<0.2	0.8	0.8	0.8	
SR3	Fine	Moderate	10:27	9.7	Surface	1.0	0.2	90	16.0	16.0	8.2	8.2	30.0	30.0	101.1	101.1	8.3	8.3	10.9	10.9	9	-	-	822174	807562	-	-	-	-			
						1.0	0.2	97	16.0	16.0	8.2	8.2	30.0	30.0	101.1	101.1	8.3	8.3	10.9	10.9	8	-	-	-	822174	807562	-	-	-	-		
					Middle	4.9	0.2	58	15.9	15.9	8.2	8.2	30.0	30.0	100.7	100.7	8.3	8.3	9.0	9.0	7	-	-	-	-	822174	807562	-	-	-	-	
						4.9	0.2	59	15.9	15.9	8.2	8.2	30.0	30.0	100.7	100.7	8.3	8.3	9.0	9.0	7	-	-	-	-	822174	807562	-	-	-	-	
					Bottom	8.7	0.2	57	15.8	15.8	8.3	8.3	30.4	30.4	100.7	100.7	8.3	8.3	8.0	8.0	8	-	-	-	-	-	822174	807562	-	-	-	-
						8.7	0.3	59	15.8	15.8	8.3	8.3	30.4	30.4	100.7	100.7	8.3	8.3	8.0	8.0	9	-	-	-	-	-	822174	807562	-	-	-	-
SR4A	Sunny	Calm	11:30	8.5	Surface	1.0	0.4	69	15.7	15.7	8.3	8.3	31.6	31.6	101.0	101.0	8.3	8.3	5.7	5.7	5	-	-	817165	807819	-	-	-	-			
						1.0	0.4	75	15.7	15.7	8.3	8.3	31.6	31.6	101.0	101.0	8.3	8.3	5.7	5.7	6	-	-	-	817165	807819	-	-	-	-		
					Middle	4.3	0.3	79	15.7	15.7	8.3	8.3	31.7	31.7	100.7	100.7	8.3	8.3	6.0	6.0	4	-	-	-	-	817165	807819	-	-	-	-	
						4.3	0.3	81	15.7	15.7	8.3	8.3	31.7	31.7	100.7	100.7	8.3	8.3	6.0	6.0	5	-	-	-	-	817165	807819	-	-	-	-	
					Bottom	7.5	0.3	80	15.7	15.7	8.3	8.3	31.7	31.7	100.9	100.9	8.3	8.3	5.6	5.6	9	-	-	-	-	-	817165	807819	-	-	-	-
						7.5	0.3	87	15.7	15.7	8.3	8.3	31.7	31.7	100.9	100.9	8.3	8.3	5.6	5.6	9	-	-	-	-	-	817165	807819	-	-	-	-
SR5A	Sunny	Calm	11:46	3.3	Surface	1.0	0.1	238	15.6	15.6	8.2	8.2	30.6	30.6	101.0	101.0	8.3	8.3	6.1	6.1	6	-	-	816590	810689	-	-	-	-			
						1.0	0.1	242	15.6	15.6	8.2	8.2	30.6	30.6	101.0	101.0	8.3	8.3	6.1	6.1	7	-	-	-	816590	810689	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816590	810689	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816590	810689	-	-	-
					Bottom	2.3	0.1	236	15.6	15.6	8.2	8.2	30.6	30.6	101.0	101.0	8.3	8.3	6.0	6.0	7	-	-	-	-	-	816590	810689	-	-	-	-
						2.3	0.1	256	15.6	15.6	8																					

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

Water Quality Monitoring Results on 14 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	06:44	8.2	Surface	1.0	0.3	84	16.1	16.1	8.2	8.2	31.9	31.9	98.7	98.7	8.0	8.0	11.3	8.0	12	73	74	815639	804275	<0.2	0.7	0.6		
						1.0	0.3	91	16.1	16.1	8.2	8.2	31.9	31.9	98.7	98.7	8.0	8.0	11.4	8.0	12	73	74	815639	804275	<0.2	0.6			
						4.1	0.3	52	16.1	16.1	8.2	8.2	31.9	31.9	98.6	98.6	8.0	8.0	13.2	8.0	11	74	74	815639	804275	<0.2	0.6			
					4.1	0.3	54	16.1	16.1	8.2	8.2	31.9	31.9	98.6	98.6	8.0	8.0	13.2	8.0	11	74	74	815639	804275	<0.2	0.6				
					7.2	0.3	45	16.1	16.1	8.2	8.2	31.9	31.9	99.1	99.1	8.0	8.0	15.0	8.0	14	75	75	815639	804275	<0.2	0.5				
					7.2	0.3	48	16.1	16.1	8.2	8.2	31.9	31.9	99.1	99.1	8.0	8.0	15.0	8.0	14	75	75	815639	804275	<0.2	0.6				
C2	Fine	Moderate	07:30	11.6	Surface	1.0	0.3	340	16.4	16.4	8.2	8.2	29.8	29.8	97.0	97.0	7.9	7.9	3.4	7.9	3	73	74	825683	806962	<0.2	0.7	0.7		
						1.0	0.3	313	16.4	16.4	8.2	8.2	29.8	29.8	97.0	97.0	7.9	7.9	3.4	7.9	3	73	74	825683	806962	<0.2	0.7			
						5.8	0.3	342	16.6	16.6	8.2	8.2	30.0	30.0	96.9	96.9	7.9	7.9	4.1	7.9	4	73	74	825683	806962	<0.2	0.8			
					5.8	0.3	315	16.6	16.6	8.2	8.2	30.0	30.0	96.9	96.9	7.9	7.9	4.1	7.9	4	74	75	825683	806962	<0.2	0.8				
					10.6	0.2	344	16.6	16.6	8.2	8.2	29.9	29.9	96.7	96.7	7.9	7.9	4.1	7.9	4	75	75	825683	806962	<0.2	0.6				
					10.6	0.2	348	16.6	16.6	8.2	8.2	29.9	29.9	96.7	96.7	7.9	7.9	4.1	7.9	3	75	75	825683	806962	<0.2	0.7				
C3	Fine	Moderate	05:20	11.2	Surface	1.0	0.2	221	16.6	16.6	8.2	8.2	30.9	30.9	97.7	97.7	7.9	7.9	4.1	7.9	4	73	75	822138	817789	<0.2	0.9	1.0		
						1.0	0.2	240	16.6	16.6	8.2	8.2	30.9	30.9	97.7	97.7	7.9	7.9	4.1	7.9	5	74	75	822138	817789	<0.2	1.0			
						5.6	0.2	221	16.5	16.5	8.2	8.2	30.9	30.9	97.4	97.4	7.9	7.9	4.4	7.9	4	75	75	822138	817789	<0.2	1.0			
					5.6	0.2	234	16.5	16.5	8.2	8.2	30.9	30.9	97.4	97.4	7.9	7.9	4.4	7.9	4	74	75	822138	817789	<0.2	1.1				
					10.2	0.2	245	16.5	16.5	8.2	8.2	31.1	31.1	97.0	97.0	7.9	7.9	5.3	7.9	4	77	77	822138	817789	<0.2	1.0				
					10.2	0.2	269	16.5	16.5	8.2	8.2	31.1	31.1	97.0	97.0	7.9	7.9	5.3	7.9	6	77	77	822138	817789	<0.2	1.2				
IM1	Fine	Moderate	07:01	7.1	Surface	1.0	0.4	8	15.5	15.5	8.3	8.3	31.5	31.5	99.4	99.4	8.2	8.2	6.7	8.2	6	74	75	818372	806471	<0.2	0.8	0.7		
						1.0	0.5	8	15.5	15.5	8.3	8.3	31.5	31.5	99.4	99.4	8.2	8.2	6.7	8.2	6	74	75	818372	806471	<0.2	0.7			
						3.6	0.3	3	15.5	15.5	8.3	8.3	31.5	31.5	99.4	99.4	8.2	8.2	7.8	8.2	6	75	75	818372	806471	<0.2	0.8			
					3.6	0.3	3	15.5	15.5	8.3	8.3	31.5	31.5	99.4	99.4	8.2	8.2	7.8	8.2	6	74	75	818372	806471	<0.2	0.7				
					6.1	0.3	356	15.5	15.5	8.3	8.3	31.6	31.6	99.4	99.4	8.2	8.2	8.0	8.2	6	75	75	818372	806471	<0.2	0.6				
					6.1	0.3	328	15.5	15.5	8.3	8.3	31.6	31.6	99.4	99.4	8.2	8.2	8.0	8.2	5	75	75	818372	806471	<0.2	0.7				
IM2	Fine	Moderate	07:07	7.9	Surface	1.0	0.3	33	15.4	15.4	8.3	8.3	31.4	31.4	99.7	99.7	8.2	8.2	8.3	8.2	7	72	73	818875	806163	<0.2	0.8	0.8		
						1.0	0.3	34	15.4	15.4	8.3	8.3	31.4	31.4	99.7	99.7	8.2	8.2	8.3	8.2	8	72	73	818875	806163	<0.2	0.8			
						4.0	0.3	12	15.6	15.6	8.3	8.3	31.5	31.5	99.7	99.7	8.2	8.2	8.4	8.2	10	73	73	818875	806163	<0.2	0.6			
					4.0	0.3	12	15.6	15.6	8.3	8.3	31.5	31.5	99.7	99.7	8.2	8.2	8.4	8.2	8	73	73	818875	806163	<0.2	0.8				
					6.9	0.2	17	15.6	15.6	8.3	8.3	31.5	31.5	99.8	99.8	8.2	8.2	8.6	8.2	9	74	74	818875	806163	<0.2	0.7				
					6.9	0.3	18	15.6	15.6	8.3	8.3	31.5	31.5	99.8	99.8	8.2	8.2	8.6	8.2	9	74	74	818875	806163	<0.2	0.8				
IM3	Fine	Moderate	07:15	7.9	Surface	1.0	0.2	16	15.5	15.5	8.3	8.3	31.5	31.5	99.5	99.5	8.2	8.2	7.7	8.2	6	73	74	819438	806002	<0.2	0.8	0.8		
						1.0	0.2	16	15.5	15.5	8.3	8.3	31.5	31.5	99.5	99.5	8.2	8.2	7.7	8.2	6	73	74	819438	806002	<0.2	0.8			
						4.0	0.3	21	15.6	15.6	8.3	8.3	31.5	31.5	99.3	99.3	8.2	8.2	8.0	8.2	5	74	74	819438	806002	<0.2	0.9			
					4.0	0.3	21	15.6	15.6	8.3	8.3	31.5	31.5	99.3	99.3	8.2	8.2	8.0	8.2	6	74	74	819438	806002	<0.2	0.8				
					6.9	0.2	32	15.6	15.6	8.3	8.3	31.6	31.6	99.7	99.7	8.2	8.2	8.4	8.2	7	75	75	819438	806002	<0.2	0.8				
					6.9	0.3	33	15.6	15.6	8.3	8.3	31.6	31.6	99.8	99.8	8.2	8.2	8.3	8.2	8	75	75	819438	806002	<0.2	0.7				
IM4	Fine	Moderate	07:21	7.5	Surface	1.0	0.4	352	15.5	15.5	8.3	8.3	31.3	31.3	99.8	99.8	8.2	8.2	6.6	8.2	5	72	73	819555	805021	<0.2	0.9	0.8		
						1.0	0.4	324	15.5	15.5	8.3	8.3	31.3	31.3	99.9	99.9	8.2	8.2	6.7	8.2	7	72	73	819555	805021	<0.2	0.9			
						3.8	0.3	1	15.5	15.5	8.3	8.3	31.5	31.5	99.7	99.7	8.2	8.2	7.3	8.2	7	73	73	819555	805021	<0.2	0.7			
					3.8	0.4	1	15.5	15.5	8.3	8.3	31.5	31.5	99.7	99.7	8.2	8.2	7.3	8.2	6	73	73	819555	805021	<0.2	0.8				
					6.5	0.3	8	15.5	15.5	8.3	8.3	31.6	31.6	99.7	99.7	8.2	8.2	7.2	8.2	6	74	74	819555	805021	<0.2	0.7				
					6.5	0.3	8	15.5	15.5	8.3	8.3	31.6	31.6	99.7	99.7	8.2	8.2	7.2	8.2	6	74	74	819555	805021	<0.2	0.7				
IM5	Fine	Moderate	07:30	6.7	Surface	1.0	0.4	354	15.7	15.7	8.3	8.3	31.3	31.3	99.7	99.7	8.2	8.2	6.9	8.2	5	73	74	820593	804924	<0.2	0.9	0.8		
						1.0	0.4	326	15.7	15.7	8.3	8.3	31.3	31.3	99.7	99.7	8.2	8.2	6.9	8.2	5	73	74	820593	804924	<0.2	0.9			
						3.4	0.4	2	15.6	15.6	8.3	8.3	31.5	31.5	99.5	99.5	8.2	8.2	7.7	8.2	5	74	74	820593	804924	<0.2	0.7			
					3.4	0.4	2	15.6	15.6	8.3	8.3	31.5	31.5	99.5	99.5	8.2	8.2	7.7	8.2	4	74	74	820593	804924	<0.2	0.9				
					5.7	0.3	8	15.6	15.6	8.3	8.3	31.5	31.5	99.6	99.6	8.2	8.2	8.1	8.2	6	74	74	820593	804924	<0.2	0.6				
					5.7	0.3	8	15.6	15.6	8.3	8.3	31.5	31.5	99.6	99.6	8.2	8.2	8.1	8.2	7	74	74	820593	804924	<0.2	0.8				
IM6	Fine	Moderate	07:37	6.6	Surface	1.0	0.2	26	15.7	15.7	8.3	8.3	31.3	31.3	99.4	99.4	8.2	8.2	8.2	8.2	6	73	74	821085	805800	<0.2	0.9	0.8		
						1.0	0.2	28	15.7	15.7	8.3	8.3	31.3	31.3	99.4	99.4	8.2	8.2	8.2	8.2	7	73	74	821085	805800	<0.2	0.8			
						3.3	0.2	9	15.7	15.7	8.3	8.3	31.4	31.4	99.3	99.3	8.2	8.2	8.4	8.2	8	74	74	821085	805800	<0.2				

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

Water Quality Monitoring Results on 14 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	06:54	6.2	Surface	1.0	0.2	317	16.3	16.3	8.3	8.3	30.4	30.4	98.1	98.1	8.0	8.0	5.7	5.7	4	73	74	822107	808806	<0.2	0.8	0.8								
						1.0	0.2	345	16.3	8.3	8.3	30.4	30.4	98.1	98.1	8.0	8.0	5.7	5.7	3	75	74	<0.2	0.7												
					Middle	3.1	0.2	308	16.3	16.3	8.3	8.3	30.4	30.4	98.0	98.0	8.0	8.0	5.2	5.2	5	75	74	<0.2	0.8											
						3.1	0.2	337	16.3	16.3	8.3	8.3	30.4	30.4	98.0	98.0	8.0	8.0	5.2	5.2	3	74	74	<0.2	0.7											
					Bottom	5.2	0.2	302	16.3	16.3	8.3	8.3	30.4	30.4	97.8	97.8	8.0	8.0	5.0	5.0	4	75	74	<0.2	0.8											
						5.2	0.2	305	16.3	16.3	8.3	8.3	30.4	30.4	97.7	97.7	8.0	8.0	5.1	5.1	4	75	74	<0.2	0.9											
IM10	Fine	Moderate	06:45	6.9	Surface	1.0	0.4	300	15.9	15.9	8.2	8.2	30.5	30.5	100.1	100.1	8.2	8.2	5.6	5.6	4	73	74	822262	809858	<0.2	1.0	0.9								
						1.0	0.4	300	15.9	15.9	8.2	8.2	30.5	30.5	100.1	100.1	8.2	8.2	5.6	5.6	5	73	74	<0.2	0.9											
					Middle	3.5	0.4	303	15.9	15.9	8.2	8.2	30.5	30.5	99.9	99.9	8.2	8.2	5.8	5.8	4	74	74	<0.2	0.9											
						3.5	0.4	332	15.9	15.9	8.2	8.2	30.5	30.5	99.9	99.9	8.2	8.2	5.8	5.8	4	73	74	<0.2	0.8											
					Bottom	5.9	0.4	305	15.9	15.9	8.2	8.2	30.5	30.5	98.6	98.6	8.1	8.1	6.0	6.0	5	76	75	<0.2	0.9											
						5.9	0.4	333	15.9	15.9	8.2	8.2	30.5	30.5	98.6	98.6	8.1	8.1	6.0	6.0	6	75	75	<0.2	0.8											
IM11	Fine	Moderate	06:33	7.4	Surface	1.0	0.3	290	15.8	15.8	8.2	8.2	30.5	30.5	99.7	99.7	8.2	8.2	7.5	7.5	9	73	75	821482	810562	<0.2	0.8	0.8								
						1.0	0.3	313	15.8	15.8	8.2	8.2	30.5	30.5	99.7	99.7	8.2	8.2	7.5	7.5	8	73	75	<0.2	0.7											
					Middle	3.7	0.3	288	15.8	15.8	8.2	8.2	30.5	30.5	99.2	99.2	8.2	8.2	8.9	8.9	8	75	75	<0.2	0.8											
						3.7	0.3	312	15.8	15.8	8.2	8.2	30.5	30.5	99.2	99.2	8.2	8.2	8.9	8.9	9	76	76	<0.2	0.8											
					Bottom	6.4	0.3	293	15.8	15.8	8.2	8.2	30.5	30.5	98.4	98.4	8.1	8.1	8.8	8.8	7	76	76	<0.2	0.8											
						6.4	0.3	314	15.8	15.8	8.2	8.2	30.5	30.5	98.4	98.4	8.1	8.1	8.8	8.8	9	77	77	<0.2	0.9											
IM12	Fine	Moderate	06:24	8.1	Surface	1.0	0.4	274	15.9	15.9	8.2	8.2	30.3	30.3	100.5	100.5	8.3	8.3	6.6	6.6	4	74	74	821163	811532	<0.2	1.0	0.9								
						1.0	0.5	279	15.9	15.9	8.2	8.2	30.3	30.3	100.5	100.5	8.3	8.3	6.6	6.6	5	73	74	<0.2	0.9											
					Middle	4.1	0.4	270	15.7	15.7	8.2	8.2	30.4	30.4	99.2	99.2	8.2	8.2	7.6	7.6	3	74	74	<0.2	0.8											
						4.1	0.4	276	15.7	15.7	8.2	8.2	30.4	30.4	99.2	99.2	8.2	8.2	7.6	7.6	3	73	73	<0.2	0.8											
					Bottom	7.1	0.3	270	15.8	15.8	8.2	8.2	30.5	30.5	98.7	98.7	8.1	8.1	8.0	8.0	6	75	75	<0.2	0.9											
						7.1	0.3	288	15.8	15.8	8.2	8.2	30.5	30.5	98.7	98.7	8.1	8.1	8.0	8.0	4	76	76	<0.2	1.0											
SR2	Fine	Moderate	05:54	4.3	Surface	1.0	0.3	319	16.2	16.2	8.2	8.2	30.7	30.7	97.8	97.8	8.0	8.0	4.9	4.9	2	73	74	821444	814177	<0.2	1.0	0.9								
						1.0	0.3	348	16.2	16.2	8.2	8.2	30.7	30.7	97.8	97.8	8.0	8.0	4.9	4.9	3	73	73	<0.2	0.9											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-					
					Bottom	3.3	0.3	317	16.2	16.2	8.2	8.2	30.9	30.9	97.3	97.3	7.9	7.9	4.2	4.2	5	75	75	<0.2	0.9											
						3.3	0.4	324	16.2	16.2	8.2	8.2	30.9	30.9	97.3	97.3	7.9	7.9	4.2	4.2	5	75	75	<0.2	0.9											
SR3	Fine	Moderate	07:09	8.6	Surface	1.0	0.2	346	16.4	16.4	8.2	8.2	30.5	30.5	98.8	98.8	8.0	8.0	4.5	4.5	4	-	-	822167	807592	-	-	-								
						1.0	0.2	318	16.4	16.4	8.2	8.2	30.5	30.5	98.8	98.8	8.0	8.0	4.5	4.5	4	-	-	-	-											
					Middle	4.3	0.1	340	16.4	16.4	8.2	8.2	30.5	30.5	99.6	99.6	8.1	8.1	4.5	4.5	6	-	-	-	-											
						4.3	0.1	359	16.4	16.4	8.2	8.2	30.5	30.5	99.5	99.5	8.1	8.1	4.5	4.5	6	-	-	-	-											
					Bottom	7.6	0.1	350	16.4	16.4	8.2	8.2	30.5	30.5	100.0	100.0	8.1	8.1	4.5	4.5	8	-	-	-	-											
						7.6	0.1	359	16.4	16.4	8.2	8.2	30.5	30.5	100.0	100.0	8.1	8.1	4.5	4.5	7	-	-	-	-											
SR4A	Fine	Calm	06:28	8.6	Surface	1.0	0.2	230	15.4	15.4	8.2	8.2	30.6	30.6	99.0	99.0	8.2	8.2	5.8	5.8	5	-	-	817207	807780	-	-	-								
						1.0	0.2	241	15.4	15.4	8.2	8.2	30.6	30.6	99.0	99.0	8.2	8.2	5.8	5.8	6	-	-	-	-											
					Middle	4.3	0.1	262	15.5	15.5	8.2	8.2	30.9	30.9	99.1	99.1	8.2	8.2	5.9	5.9	4	-	-	-	-											
						4.3	0.1	284	15.5	15.5	8.2	8.2	30.9	30.9	99.1	99.1	8.2	8.2	5.9	5.9	6	-	-	-	-											
					Bottom	7.6	0.1	244	15.5	15.5	8.2	8.2	31.1	31.1	99.2	99.2	8.2	8.2	6.0	6.0	6	-	-	-	-											
						7.6	0.1	246	15.5	15.5	8.2	8.2	31.1	31.1	99.2	99.2	8.2	8.2	6.0	6.0	6	-	-	-	-											
SR5A	Fine	Calm	06:08	4.6	Surface	1.0	0.2	317	15.5	15.5	8.2	8.2	30.5	30.5	98.8	98.8	8.2	8.2	6.1	6.1	6	-	-	816617	810720	-	-	-								
						1.0	0.2	332	15.5	15.5	8.2	8.2	30.5	30.5	98.8	98.8	8.2	8.2	6.1	6.1	6	-	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-						
					Bottom	3.6	0.2	311	15.5	15.5	8.2	8.2	30.5	30.5	98.9	98.9	8.2	8.2	6.1	6.1	5	-	-	-	-											
						3.6	0.2	337	15.5	15.5	8.2	8.2	30.5	30.5	98.9	98.9	8.2	8.2	6.1	6.1	6	-	-	-	-											
SR6	Fine	Calm	05:45	3.6	Surface	1.0	0.1	248	15.7	15.7	8.2	8.2	29.6	29.6	98.2	98.2	8.2	8.2	5.6	5.6	5	-	-	817883	814663	-	-	-								
						1.0	0.1	261	15.7	15.7	8.2	8.2	29.6	29.6	98.3	98.3	8.2	8.2	5.7	5.7	6	-	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
					Bottom	2.6	0.1	260	16.3	16.3	8.2	8.2	29.6	29.6	104.0	104.0	8.5	8.5	6.8	6.8	7	-	-	-	-											
						2.6	0.1	276	16.3	16.3	8.2	8.2	29.5	29.6	104.2	104.1	8.5	8.5	6.8	6.8	6	-	-	-	-											
SR7	Fine	Moderate	04:56	16.7	Surface	1.0	0.2	221	16.9	16.9	8.1	8.1	31.4	31.4	95.7	95.7	7.7	7.7	3.4	3.4	4	-	-	823630	823733	-	-	-								
						1.0	0.2	225	16.9	16.9	8.1	8.1	31.4	31.4	95.7	95.7	7.7	7.7	3.4	3.4	5	-	-	-	-											
					Middle	8.4	0.2	221	16.9	16.9	8.1	8.1	31.4	31.4	95.8	95.8	7.7	7.7	4.2	4.2	4</															

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

Water Quality Monitoring Results on 16 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Fine	Moderate	12:32	8.2	Surface	1.0	0.0	50	16.4	16.3	8.1	8.1	29.6	29.6	104.7	104.5	8.6	8.4	6.7	8.5	9	72	74	815593	804255	<0.2	1.0	0.9	1.0		
						1.0	0.0	51	16.3	8.1	8.1	29.6	29.6	104.3	104.5	8.5	8.4	7.0	8.5	10	72	74	815593	804255	<0.2	0.9					
					Middle	4.1	0.1	216	16.0	16.0	8.1	8.1	30.5	30.5	100.9	100.9	100.9	100.9	8.3	8.3	8.9	8.3	8	73	74	815593	804255			<0.2	0.8
						4.1	0.1	233	16.0	16.0	8.1	8.1	30.5	30.5	100.9	100.9	100.9	100.9	8.3	8.3	9.0	8.3	10	74	74	815593	804255			<0.2	1.1
					Bottom	7.2	0.1	264	16.0	16.0	8.1	8.1	30.4	30.4	100.5	100.5	100.5	100.5	8.3	8.3	9.8	8.3	9	75	75	815593	804255			<0.2	1.1
						7.2	0.1	278	16.0	16.0	8.1	8.1	30.4	30.4	100.5	100.5	100.5	100.5	8.3	8.3	9.8	8.3	8	75	75	815593	804255			<0.2	1.3
C2	Fine	Moderate	11:14	11.2	Surface	1.0	0.2	51	17.0	17.0	8.2	8.2	26.0	26.0	104.2	104.2	8.6	8.5	8.0	8.6	4	72	74	825700	806964	<0.2	2.3	2.3	2.3		
						1.0	0.2	51	17.0	17.0	8.2	8.2	26.0	26.0	104.2	104.2	8.6	8.5	8.0	8.6	4	72	74	825700	806964	<0.2	2.3				
					Middle	5.6	0.1	0	16.6	16.6	8.2	8.2	28.7	28.7	103.1	103.1	8.4	8.4	7.1	8.4	7.1	8.4	4	73	74	825700	806964			<0.2	2.4
						5.6	0.1	0	16.6	16.6	8.2	8.2	28.7	28.7	103.1	103.1	8.4	8.4	7.1	8.4	7.1	8.4	5	74	74	825700	806964			<0.2	2.1
					Bottom	10.2	0.1	273	16.6	16.6	8.2	8.2	29.0	29.0	102.5	102.5	8.4	8.4	6.4	8.4	6.4	8.4	10	75	75	825700	806964			<0.2	2.5
						10.2	0.1	288	16.6	16.6	8.2	8.2	29.0	29.0	102.5	102.5	8.4	8.4	6.4	8.4	6.4	8.4	9	75	75	825700	806964			<0.2	2.4
C3	Fine	Moderate	12:57	11.7	Surface	1.0	0.4	85	17.1	17.1	8.3	8.3	29.7	29.7	105.8	105.8	8.5	8.5	3.3	8.5	10	73	75	822109	817818	<0.2	0.8	0.9	0.9		
						1.0	0.5	92	17.1	17.1	8.3	8.3	29.7	29.7	105.8	105.8	8.5	8.5	3.3	8.5	9	73	75	822109	817818	<0.2	0.8				
					Middle	5.9	0.3	87	16.9	16.9	8.2	8.2	29.5	29.5	103.1	103.1	8.4	8.4	3.3	8.4	3.3	8.4	11	75	75	822109	817818			<0.2	1.0
						5.9	0.4	89	16.9	16.9	8.2	8.2	29.5	29.5	103.1	103.1	8.4	8.4	3.3	8.4	3.3	8.4	10	75	75	822109	817818			<0.2	0.9
					Bottom	10.7	0.3	86	16.8	16.8	8.2	8.2	29.5	29.5	103.0	103.0	8.4	8.4	3.4	8.4	3.4	8.4	12	77	77	822109	817818			<0.2	1.0
						10.7	0.3	92	16.8	16.8	8.2	8.2	29.5	29.5	103.0	103.0	8.4	8.4	3.4	8.4	3.4	8.4	10	77	77	822109	817818			<0.2	0.8
IM1	Fine	Moderate	12:12	7.1	Surface	1.0	0.1	67	16.6	16.6	8.1	8.1	29.7	29.7	111.8	111.8	9.1	9.0	6.0	9.1	8	73	75	818370	806433	<0.2	1.6	1.2	1.2		
						1.0	0.1	70	16.6	16.6	8.1	8.1	29.7	29.7	111.8	111.8	9.1	9.0	6.0	9.1	9	73	75	818370	806433	<0.2	1.3				
					Middle	3.6	0.1	341	16.4	16.4	8.2	8.2	30.5	30.5	108.4	108.4	8.8	8.8	6.3	8.8	6.3	8.8	10	75	75	818370	806433			<0.2	1.2
						3.6	0.1	314	16.4	16.4	8.2	8.2	30.5	30.5	108.3	108.3	8.8	8.8	6.5	8.8	6.5	8.8	12	75	75	818370	806433			<0.2	1.2
					Bottom	6.1	0.1	292	16.3	16.3	8.2	8.2	30.5	30.5	107.0	107.0	8.7	8.7	5.8	8.7	5.8	8.7	10	76	76	818370	806433			<0.2	0.9
						6.1	0.1	301	16.3	16.3	8.2	8.2	30.5	30.5	107.0	107.0	8.7	8.7	5.8	8.7	5.8	8.7	11	76	76	818370	806433			<0.2	1.0
IM2	Fine	Moderate	12:02	8.1	Surface	1.0	0.1	54	16.6	16.6	8.1	8.1	29.7	29.7	109.0	108.8	8.9	8.7	6.2	8.9	8	72	73	818824	806217	<0.2	1.2	1.1	1.1		
						1.0	0.1	55	16.6	16.6	8.1	8.1	29.7	29.7	108.5	108.8	8.8	8.7	6.3	8.8	6.3	8.8	9	71	73	818824	806217			<0.2	1.2
					Middle	4.1	0.0	18	16.3	16.3	8.1	8.1	30.6	30.6	105.4	105.4	8.6	8.6	6.6	8.6	6.6	8.6	11	73	73	818824	806217			<0.2	1.0
						4.1	0.0	18	16.3	16.3	8.1	8.1	30.6	30.6	105.3	105.4	8.6	8.6	6.5	8.6	6.5	8.6	13	73	73	818824	806217			<0.2	1.1
					Bottom	7.1	0.1	314	16.2	16.2	8.1	8.1	30.6	30.6	104.3	104.3	8.5	8.5	5.7	8.5	5.7	8.5	15	75	75	818824	806217			<0.2	1.1
						7.1	0.1	330	16.2	16.2	8.1	8.1	30.6	30.6	104.3	104.3	8.5	8.5	5.8	8.5	5.8	8.5	13	75	75	818824	806217			<0.2	0.8
IM3	Fine	Moderate	11:54	8.3	Surface	1.0	0.2	24	16.5	16.5	8.1	8.1	29.7	29.7	108.2	108.0	8.8	8.7	6.6	8.8	7	72	73	819390	806023	<0.2	1.3	1.0	1.0		
						1.0	0.2	26	16.5	16.5	8.1	8.1	29.7	29.7	107.7	108.0	8.8	8.7	6.7	8.8	6.7	8.8	7	72	73	819390	806023			<0.2	1.0
					Middle	4.2	0.1	21	16.3	16.3	8.1	8.1	30.3	30.3	104.5	104.5	8.5	8.5	7.6	8.5	7.6	8.5	8	73	73	819390	806023			<0.2	0.9
						4.2	0.1	22	16.3	16.3	8.1	8.1	30.3	30.3	104.5	104.5	8.5	8.5	7.6	8.5	7.6	8.5	8	73	73	819390	806023			<0.2	0.8
					Bottom	7.3	0.1	34	16.3	16.3	8.1	8.1	30.2	30.1	103.7	103.6	8.5	8.5	7.6	8.5	7.6	8.5	10	75	75	819390	806023			<0.2	0.9
						7.3	0.1	35	16.3	16.3	8.1	8.1	30.1	30.1	103.5	103.5	8.5	8.5	7.6	8.5	7.6	8.5	10	75	75	819390	806023			<0.2	0.8
IM4	Fine	Moderate	11:45	7.4	Surface	1.0	0.1	33	16.5	16.5	8.1	8.1	29.4	29.4	110.6	110.4	9.0	8.8	5.9	9.0	6	71	73	819582	805058	<0.2	1.2	1.1	1.1		
						1.0	0.1	34	16.5	16.5	8.1	8.1	29.4	29.4	110.2	110.4	9.0	8.8	6.0	9.0	6.0	8.8	7	72	73	819582	805058			<0.2	1.3
					Middle	3.7	0.1	5	16.2	16.2	8.1	8.1	30.3	30.3	104.9	104.9	8.6	8.6	7.0	8.6	6.9	8.6	9	73	73	819582	805058			<0.2	0.9
						3.7	0.1	5	16.2	16.2	8.1	8.1	30.3	30.3	104.8	104.8	8.6	8.6	6.9	8.6	6.9	8.6	9	74	74	819582	805058			<0.2	1.0
					Bottom	6.4	0.1	300	16.3	16.3	8.1	8.1	30.1	30.1	103.7	103.6	8.5	8.5	7.5	8.5	7.5	8.5	10	75	75	819582	805058			<0.2	1.0
						6.4	0.1	307	16.3	16.3	8.1	8.1	30.0	30.0	103.5	103.5	8.5	8.5	7.5	8.5	7.5	8.5	11	75	75	819582	805058			<0.2	0.9
IM5	Fine	Moderate	11:37	7.0	Surface	1.0	0.2	130	16.6	16.5	8.1	8.1	29.4	29.4	110.8	110.6	9.0	8.9	6.8	9.0	8	71	73	820557	804924	<0.2	1.4	1.2	1.2		
						1.0	0.2	133	16.5	16.5	8.1	8.1	29.4	29.4	110.4	110.6	9.0	8.9	6.9	9.0	6.9	8.9	8	71	73	820557	804924			<0.2	1.5
					Middle	3.5	0.1	48	16.3	16.3	8.1	8.1	29.9	29.8	107.4	107.4	8.8	8.8	7.7	8.8	7.0	8.8	13	73	73	820557	804924			<0.2	1.1
						3.5	0.1	51	16.3	16.3	8.1	8.1	29.8	29.8	107.3	107.3	8.8	8.8	7.0	8.8	7.0	8.8	11	73	73	820557	804924			<0.2	1.0
					Bottom	6.0	0.0	15	16.3	16.3	8.1	8.1	29.7	29.6	106.3	106.2	8.7	8.7	6.9	8.7	6.9	8.7	13								

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

Water Quality Monitoring Results on 16 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	07:48	7.8	Surface	1.0	0.6	45	16.2	16.2	8.1	8.1	30.6	30.6	105.4	105.5	8.6	8.6	7.5	8.6	13	17	71	73	815618	804225	<0.2	<0.2	0.9	0.9				
						1.0	0.6	48	16.2	16.3	8.1	8.1	30.6	30.6	105.5	105.5	8.6	8.6	7.5	8.6	13	17	71	73	<0.2	<0.2	1.0	1.0						
						3.9	0.6	46	16.3	16.3	8.1	8.1	30.8	30.8	104.5	104.5	8.5	8.5	13.3	8.5	13	17	73	73	<0.2	<0.2	1.0	1.0						
					3.9	0.6	49	16.3	16.3	8.1	8.1	30.8	30.8	104.5	104.5	8.5	8.5	13.5	8.5	13	17	73	73	<0.2	<0.2	0.9	0.9							
					6.8	0.5	43	16.3	16.3	8.1	8.1	30.8	30.8	104.4	104.4	8.5	8.5	19.9	8.5	25	17	75	75	<0.2	<0.2	0.9	0.9							
					6.8	0.5	43	16.3	16.3	8.1	8.1	30.7	30.7	104.4	104.4	8.5	8.5	19.7	8.5	24	17	75	75	<0.2	<0.2	0.9	0.9							
C2	Fine	Moderate	08:30	11.5	Surface	1.0	0.4	350	16.8	16.8	8.2	8.2	26.3	26.3	102.4	102.4	8.5	8.5	5.1	8.5	12	12	73	73	825698	806925	<0.2	<0.2	3.0	2.8				
						1.0	0.4	322	16.8	16.7	8.2	8.2	26.3	26.3	102.4	102.4	8.5	8.5	5.1	8.5	12	12	73	74	<0.2	<0.2	2.6	2.5						
						5.8	0.4	347	16.7	16.7	8.2	8.2	28.0	28.0	102.1	102.1	8.4	8.4	6.9	8.4	10	12	74	75	<0.2	<0.2	2.9	3.0						
					5.8	0.4	357	16.7	16.7	8.2	8.2	28.0	28.0	102.1	102.1	8.4	8.4	6.9	8.4	10	12	74	75	<0.2	<0.2	3.0	2.6							
					10.5	0.2	328	16.7	16.7	8.2	8.2	28.8	28.8	101.9	101.9	8.3	8.3	12.2	8.3	12	14	75	75	<0.2	<0.2	2.6	2.6							
					10.5	0.2	354	16.7	16.7	8.2	8.2	28.8	28.8	101.9	101.9	8.3	8.3	12.2	8.3	12	14	75	75	<0.2	<0.2	2.6	2.6							
C3	Fine	Moderate	06:41	10.8	Surface	1.0	0.4	252	16.6	16.6	8.2	8.2	30.3	30.3	106.1	106.1	8.6	8.6	4.8	8.6	9	8	73	73	822096	817782	<0.2	<0.2	1.1	1.1				
						1.0	0.4	260	16.6	16.7	8.2	8.2	30.3	30.3	106.1	106.1	8.6	8.6	4.8	8.6	9	8	73	75	<0.2	<0.2	1.2	1.2						
						5.4	0.4	256	16.7	16.7	8.2	8.2	30.8	30.8	105.3	105.3	8.5	8.5	5.9	8.5	7	8	75	77	<0.2	<0.2	1.2	1.1						
					5.4	0.5	261	16.7	16.7	8.2	8.2	30.8	30.8	105.3	105.3	8.5	8.5	5.9	8.5	7	8	75	77	<0.2	<0.2	1.2	1.2							
					9.8	0.4	269	16.7	16.7	8.2	8.2	30.8	30.8	104.4	104.4	8.4	8.4	7.1	8.4	9	8	77	78	<0.2	<0.2	1.2	1.0							
					9.8	0.4	293	16.7	16.7	8.2	8.2	30.8	30.8	104.4	104.4	8.4	8.4	7.1	8.4	8	8	78	78	<0.2	<0.2	1.0	1.0							
IM1	Fine	Moderate	08:05	7.0	Surface	1.0	0.4	17	16.2	16.2	8.2	8.2	29.6	29.6	104.7	104.7	8.6	8.6	9.1	8.6	10	16	71	73	818344	806441	<0.2	<0.2	1.4	1.3				
						1.0	0.5	17	16.2	16.3	8.2	8.2	29.6	29.6	104.7	104.7	8.6	8.6	9.2	8.6	10	16	71	73	<0.2	<0.2	1.3	1.3						
						3.5	0.4	23	16.3	16.3	8.2	8.2	29.6	29.6	103.8	103.9	8.5	8.5	12.2	8.5	14	16	73	75	<0.2	<0.2	1.4	1.4						
					3.5	0.5	23	16.3	16.3	8.2	8.2	29.6	29.6	103.9	103.9	8.5	8.5	12.3	8.5	14	16	73	75	<0.2	<0.2	1.3	1.3							
					6.0	0.3	7	16.3	16.3	8.2	8.2	29.5	29.5	103.2	103.1	8.5	8.5	12.8	8.5	24	16	75	75	<0.2	<0.2	1.3	1.2							
					6.0	0.3	7	16.3	16.3	8.2	8.2	29.4	29.5	103.0	103.1	8.5	8.5	12.7	8.5	25	16	75	75	<0.2	<0.2	1.2	1.2							
IM2	Fine	Moderate	08:09	7.7	Surface	1.0	0.4	20	16.3	16.3	8.2	8.2	29.0	29.0	104.0	104.0	8.6	8.6	7.3	8.6	16	21	72	73	818842	806208	<0.2	<0.2	1.6	1.5				
						1.0	0.4	20	16.3	16.3	8.2	8.2	29.0	29.0	104.0	104.0	8.6	8.6	7.4	8.6	15	21	73	73	<0.2	<0.2	1.5	1.5						
						3.9	0.5	20	16.3	16.3	8.2	8.2	29.4	29.4	104.0	104.0	8.5	8.5	11.8	8.5	17	21	73	73	<0.2	<0.2	1.4	1.4						
					3.9	0.5	20	16.3	16.3	8.2	8.2	29.4	29.4	104.0	104.0	8.5	8.5	12.0	8.5	16	21	73	73	<0.2	<0.2	1.5	1.5							
					6.7	0.4	18	16.3	16.3	8.2	8.2	29.4	29.4	102.3	102.3	8.4	8.4	20.3	8.4	29	21	75	75	<0.2	<0.2	1.4	1.4							
					6.7	0.4	18	16.3	16.3	8.2	8.2	29.4	29.4	102.3	102.3	8.4	8.4	20.6	8.4	31	21	75	75	<0.2	<0.2	1.6	1.6							
IM3	Fine	Moderate	08:16	8.0	Surface	1.0	0.4	29	16.3	16.3	8.1	8.1	28.7	28.7	103.5	103.5	8.5	8.5	6.8	8.5	11	12	72	73	819428	806014	<0.2	<0.2	1.7	1.5				
						1.0	0.4	29	16.3	16.3	8.1	8.1	28.7	28.7	103.5	103.5	8.5	8.5	6.8	8.5	11	12	72	73	<0.2	<0.2	1.7	1.7						
						4.0	0.5	25	16.3	16.3	8.2	8.2	29.3	29.3	103.1	103.1	8.5	8.5	7.7	8.5	11	12	73	74	<0.2	<0.2	1.3	1.1						
					4.0	0.5	25	16.3	16.3	8.2	8.2	29.3	29.3	103.1	103.1	8.5	8.5	7.8	8.5	12	12	74	74	<0.2	<0.2	1.1	1.1							
					7.0	0.3	24	16.4	16.4	8.1	8.1	30.2	30.2	101.9	101.7	8.3	8.3	7.4	8.3	13	12	74	75	<0.2	<0.2	1.4	1.4							
					7.0	0.3	25	16.4	16.4	8.1	8.1	30.1	30.2	101.5	101.7	8.3	8.3	7.5	8.3	12	12	75	75	<0.2	<0.2	1.6	1.6							
IM4	Fine	Moderate	08:24	7.3	Surface	1.0	0.5	9	16.2	16.2	8.1	8.1	28.9	28.9	104.5	104.5	8.6	8.6	7.1	8.6	10	15	71	73	819546	805065	<0.2	<0.2	1.6	1.4				
						1.0	0.5	9	16.2	16.3	8.1	8.1	28.9	28.9	104.5	104.5	8.6	8.6	7.2	8.6	12	15	71	73	<0.2	<0.2	1.3	1.3						
						3.7	0.5	19	16.3	16.3	8.1	8.1	29.8	29.8	104.6	104.6	8.6	8.6	12.4	8.6	17	15	73	74	<0.2	<0.2	1.8	1.8						
					3.7	0.5	20	16.3	16.3	8.1	8.1	29.8	29.8	104.6	104.6	8.6	8.6	12.5	8.6	17	15	74	74	<0.2	<0.2	1.3	1.3							
					6.3	0.4	17	16.3	16.3	8.1	8.1	29.7	29.7	103.6	103.6	8.5	8.5	21.1	8.5	18	15	75	75	<0.2	<0.2	1.3	1.3							
					6.3	0.4	18	16.3	16.3	8.1	8.1	29.7	29.7	103.6	103.6	8.5	8.5	21.2	8.5	17	15	75	75	<0.2	<0.2	1.3	1.3							
IM5	Fine	Moderate	08:31	6.5	Surface	1.0	0.5	17	16.3	16.3	8.1	8.1	29.0	28.9	103.8	103.8	8.5	8.5	8.4	8.5	10	10	72	74	820538	804900	<0.2	<0.2	1.9	1.6				
						1.0	0.5	17	16.3	16.3	8.1	8.1	28.9	28.9	103.7	103.8	8.5	8.5	8.6	8.5	10	10	72	74	<0.2	<0.2	1.8	1.5						
						3.3	0.5	21	16.3	16.3	8.1	8.1	29.3	29.3	103.3	103.3	8.5	8.5	10.6	8.5	11	10	73	74	<0.2	<0.2	1.5	1.6						
					3.3	0.5	22	16.3	16.3	8.1	8.1	29.3	29.3	103.3	103.3	8.5	8.5	10.5	8.5	10	10	74	74	<0.2	<0.2	1.6	1.6							
					5.5	0.4	14	16.3	16.3	8.1	8.1	29.2	29.2	101.9	101.9	8.4	8.4	17.7	8.4	10	10	75	75	<0.2	<0.2	1.4	1.4							
					5.5	0.4	14	16.3	16.3	8.1	8.1	29.2	29.2	101.9	101.9	8.4	8.4	17.3	8.4	9	10	75	75	<0.2	<0.2	1.5	1.5							
IM6	Fine	Moderate	08:38	6.6	Surface	1.0	0.3	24	16.4	16.4	8.1	8.1	30.0	30.0	104.3	104.3	8.5	8.5	7.1	8.5	8	13	73											

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

Water Quality Monitoring Results on 16 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Fine	Moderate	07:54	6.7	Surface	1.0	0.1	343	16.7	16.7	8.2	8.2	26.4	26.4	100.9	100.9	8.4	8.4	5.0	5.0	9	73	74	822064	808799	<0.2	<0.2	2.9	2.7				
						1.0	0.1	350	16.7	16.7	8.2	8.2	26.4	26.4	100.9	100.9	8.4	8.4	5.0	5.0	9	73	74	822064	808799	<0.2	<0.2	2.7	2.7				
					Middle	3.4	0.1	2	16.7	16.7	8.2	8.2	26.4	26.4	100.9	100.9	8.4	8.4	5.4	5.4	10	74	74	822064	808799	<0.2	<0.2	2.8	2.6				
						3.4	0.1	2	16.7	16.7	8.2	8.2	26.4	26.4	100.9	100.9	8.4	8.4	5.4	5.4	10	74	74	822064	808799	<0.2	<0.2	2.6	2.5				
					Bottom	5.7	0.2	22	16.8	16.8	8.2	8.2	26.5	26.5	100.9	100.9	8.4	8.4	6.4	6.4	13	75	75	822064	808799	<0.2	<0.2	2.5	2.4				
						5.7	0.2	23	16.8	16.8	8.2	8.2	26.5	26.5	100.9	100.9	8.4	8.4	6.4	6.4	12	75	75	822064	808799	<0.2	<0.2	2.4	2.4				
IM10	Fine	Moderate	07:46	8.0	Surface	1.0	0.5	329	16.6	16.6	8.2	8.2	28.1	28.1	104.3	104.3	8.6	8.6	6.4	6.4	6	73	75	822236	809839	<0.2	<0.2	1.9	2.0				
						1.0	0.5	354	16.6	16.6	8.2	8.2	28.1	28.1	104.3	104.3	8.6	8.6	6.4	6.4	7	73	75	822236	809839	<0.2	<0.2	1.8	2.1				
					Middle	4.0	0.4	309	16.6	16.6	8.2	8.2	28.9	28.9	104.1	104.1	8.5	8.5	7.8	7.8	7	75	75	822236	809839	<0.2	<0.2	2.1	2.2				
						4.0	0.4	314	16.6	16.6	8.2	8.2	28.9	28.9	104.1	104.1	8.5	8.5	7.8	7.8	6	75	75	822236	809839	<0.2	<0.2	2.2	2.1				
					Bottom	7.0	0.3	310	16.6	16.6	8.2	8.2	29.1	29.1	103.4	103.4	8.4	8.4	9.0	9.0	10	76	76	822236	809839	<0.2	<0.2	2.1	2.1				
						7.0	0.3	332	16.6	16.6	8.2	8.2	29.1	29.1	103.4	103.4	8.4	8.4	9.0	9.0	8	76	76	822236	809839	<0.2	<0.2	2.1	2.1				
IM11	Fine	Moderate	07:35	6.8	Surface	1.0	0.4	304	16.6	16.6	8.2	8.2	28.1	28.1	105.8	105.8	8.7	8.7	7.4	7.4	8	73	75	821487	810526	<0.2	<0.2	1.7	1.8				
						1.0	0.5	308	16.6	16.6	8.2	8.2	28.1	28.1	105.8	105.8	8.7	8.7	7.4	7.4	8	73	75	821487	810526	<0.2	<0.2	1.8	1.7				
					Middle	3.4	0.4	295	16.6	16.6	8.2	8.2	29.2	29.2	106.1	106.1	8.7	8.7	11.7	11.7	8	77	75	821487	810526	<0.2	<0.2	1.7	1.7				
						3.4	0.5	308	16.6	16.6	8.2	8.2	29.2	29.2	106.1	106.1	8.7	8.7	11.7	11.7	8	77	75	821487	810526	<0.2	<0.2	1.7	1.6				
					Bottom	5.8	0.4	299	16.6	16.6	8.3	8.3	29.5	29.5	105.2	105.2	8.6	8.6	13.5	13.5	13	75	75	821487	810526	<0.2	<0.2	1.6	1.7				
						5.8	0.4	318	16.6	16.6	8.3	8.3	29.5	29.5	105.2	105.2	8.6	8.6	13.5	13.5	10	75	75	821487	810526	<0.2	<0.2	1.7	1.7				
IM12	Fine	Moderate	07:28	7.6	Surface	1.0	0.6	284	16.6	16.6	8.3	8.3	29.4	29.4	109.5	109.5	8.9	8.9	8.8	8.8	7	73	75	821175	811489	<0.2	<0.2	1.7	1.5				
						1.0	0.6	304	16.6	16.6	8.3	8.3	29.4	29.4	109.5	109.5	8.9	8.9	8.8	8.8	8	73	75	821175	811489	<0.2	<0.2	1.5	1.8				
					Middle	3.8	0.5	287	16.6	16.6	8.3	8.3	29.7	29.7	109.4	109.4	8.9	8.9	12.2	12.2	8	75	75	821175	811489	<0.2	<0.2	1.8	1.7				
						3.8	0.5	293	16.6	16.6	8.3	8.3	29.7	29.7	109.4	109.4	8.9	8.9	12.2	12.2	6	75	75	821175	811489	<0.2	<0.2	1.7	1.6				
					Bottom	6.6	0.4	288	16.6	16.6	8.3	8.3	29.8	29.8	110.2	110.2	9.0	9.0	14.7	14.7	11	76	75	821175	811489	<0.2	<0.2	1.6	1.9				
						6.6	0.4	304	16.6	16.6	8.3	8.3	29.8	29.8	110.2	110.2	9.0	9.0	14.7	14.7	13	75	75	821175	811489	<0.2	<0.2	1.9	1.9				
SR2	Fine	Moderate	07:01	3.4	Surface	1.0	0.2	139	16.6	16.6	8.2	8.2	30.3	30.3	104.9	104.9	8.5	8.5	7.3	7.3	10	73	74	821473	814150	<0.2	<0.2	1.1	1.0				
						1.0	0.2	144	16.6	16.6	8.2	8.2	30.3	30.3	104.9	104.9	8.5	8.5	7.3	7.3	10	73	74	821473	814150	<0.2	<0.2	1.0	1.2				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.4	0.1	145	16.6	16.6	8.2	8.2	30.7	30.7	103.9	103.9	8.4	8.4	7.1	7.1	11	75	75	821473	814150	<0.2	<0.2	1.4	1.2				
						2.4	0.1	146	16.6	16.6	8.2	8.2	30.7	30.7	103.9	103.9	8.4	8.4	7.1	7.1	10	75	75	821473	814150	<0.2	<0.2	1.4	1.2				
SR3	Fine	Moderate	08:11	8.3	Surface	1.0	0.2	358	16.7	16.7	8.2	8.2	25.7	25.7	102.1	102.1	8.5	8.5	5.5	5.5	5	-	-	822139	807568	-	-	-	-				
						1.0	0.2	329	16.7	16.7	8.2	8.2	25.7	25.7	102.1	102.1	8.5	8.5	5.5	5.5	5	-	-	822139	807568	-	-	-	-				
					Middle	4.2	0.3	26	16.8	16.8	8.2	8.2	26.6	26.6	102.3	102.3	8.5	8.5	6.6	6.6	6	-	-	822139	807568	-	-	-	-				
						4.2	0.3	26	16.8	16.8	8.2	8.2	26.6	26.6	102.3	102.3	8.5	8.5	6.6	6.6	8	-	-	822139	807568	-	-	-	-				
					Bottom	7.3	0.4	20	16.7	16.7	8.2	8.2	27.2	27.2	101.3	101.3	8.4	8.4	8.5	8.5	11	-	-	822139	807568	-	-	-	-				
						7.3	0.5	20	16.7	16.7	8.2	8.2	27.2	27.2	101.3	101.3	8.4	8.4	8.5	8.5	12	-	-	822139	807568	-	-	-	-				
SR4A	Fine	Calm	07:25	8.5	Surface	1.0	0.1	205	16.2	16.2	8.1	8.1	30.6	30.6	108.8	108.8	8.9	8.9	6.7	6.7	16	-	-	817188	807804	-	-	-	-				
						1.0	0.1	212	16.2	16.2	8.1	8.1	30.6	30.6	108.8	108.8	8.9	8.9	6.7	6.7	16	-	-	817188	807804	-	-	-	-				
					Middle	4.3	0.1	225	16.3	16.3	8.1	8.1	30.6	30.6	108.3	108.3	8.8	8.8	7.5	7.5	15	-	-	817188	807804	-	-	-	-				
						4.3	0.1	237	16.3	16.3	8.1	8.1	30.6	30.6	108.3	108.3	8.8	8.8	7.5	7.5	17	-	-	817188	807804	-	-	-	-				
					Bottom	7.5	0.1	197	16.3	16.3	8.1	8.1	30.6	30.6	107.9	107.9	8.8	8.8	7.6	7.6	19	-	-	817188	807804	-	-	-	-				
						7.5	0.1	213	16.3	16.3	8.1	8.1	30.6	30.6	107.9	107.9	8.8	8.8	7.7	7.7	19	-	-	817188	807804	-	-	-	-				
SR5A	Fine	Calm	07:07	4.4	Surface	1.0	0.3	305	16.2	16.2	8.1	8.1	30.1	30.1	107.0	107.0	8.8	8.8	5.9	5.9	9	-	-	816567	810690	-	-	-	-				
						1.0	0.3	329	16.2	16.2	8.1	8.1	30.1	30.1	106.9	106.9	8.8	8.8	6.0	6.0	9	-	-	816567	810690	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.4	0.2	318	16.2	16.2	8.1	8.1	29.7	29.6	105.3	105.1	8.7	8.7	5.8	5.7	9	-	-	816567	810690	-	-	-	-				
						3.4	0.2	344	16.2	16.2	8.1	8.1	29.5	29.6	104.9	105.1	8.6	8.6	5.7	5.7	10	-	-	816567	810690	-	-	-	-				
SR6	Fine	Calm	06:45	3.6	Surface	1.0	0.2	255																									

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

Water Quality Monitoring Results on 18 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	13:20	8.3	Surface	1.0	0.0	73	17.1	8.1	8.1	28.0	28.0	108.3	108.1	8.8	8.6	6.0	7.1	5	8	73	75	815597	804243	<0.2	<0.2	2.2	2.1	
						1.0	0.0	73	17.1	8.1	8.1	28.0	28.0	107.8	108.1	8.8	8.6	5.9	7.1	6	8	73	75	<0.2	<0.2	2.3	2.0			
					Middle	4.2	0.1	96	16.6	8.1	8.1	28.9	28.9	102.9	102.7	8.4	8.4	7.9	7.1	9	7	75	75	<0.2	<0.2	2.2	2.2			
						4.2	0.1	98	16.6	8.1	8.1	28.9	28.9	102.5	102.7	8.4	8.4	7.5	7.1	7	7	75	75	<0.2	<0.2	2.2	2.2			
					Bottom	7.3	0.1	153	16.5	8.1	8.1	29.2	29.1	99.7	99.4	8.2	8.2	7.8	8.2	10	8	77	77	<0.2	<0.2	1.9	2.1			
						7.3	0.1	157	16.5	8.1	8.1	28.9	29.1	99.0	99.4	8.1	8.2	7.5	8.2	8	8	77	77	<0.2	<0.2	2.1	2.1			
C2	Cloudy	Moderate	12:20	12.2	Surface	1.0	0.2	68	17.2	8.2	8.2	25.5	25.5	109.4	109.4	9.0	9.0	5.6	8.3	6	8	73	75	825686	806940	<0.2	<0.2	2.5	2.2	
						1.0	0.2	74	17.2	8.2	8.2	25.5	25.5	109.4	109.4	9.0	9.0	5.6	8.3	5	8	73	75	<0.2	<0.2	2.5	2.1			
					Middle	6.1	0.1	342	17.1	8.2	8.2	27.2	27.2	110.1	110.1	9.0	9.0	7.7	7.7	6	7	75	75	<0.2	<0.2	2.1	2.2			
						6.1	0.1	315	17.1	8.2	8.2	27.2	27.2	110.1	110.1	9.0	9.0	7.7	7.7	7	7	75	75	<0.2	<0.2	2.2	2.2			
					Bottom	11.2	0.2	288	17.2	8.3	8.3	28.4	28.4	111.2	111.2	9.0	9.0	11.7	11.7	11	11	76	76	<0.2	<0.2	2.0	2.0			
						11.2	0.3	299	17.2	8.3	8.3	28.4	28.4	111.2	111.2	9.0	9.0	11.7	11.7	12	12	77	77	<0.2	<0.2	2.1	2.1			
C3	Cloudy	Moderate	14:07	11.7	Surface	1.0	0.5	75	18.0	8.3	8.3	28.3	28.3	117.6	117.6	9.4	9.3	4.9	4.4	7	8	73	75	822119	817825	<0.2	<0.2	1.5	1.2	
						1.0	0.5	81	18.0	8.3	8.3	28.3	28.3	117.6	117.6	9.4	9.3	4.9	4.4	6	8	73	75	<0.2	<0.2	1.2	1.1			
					Middle	5.9	0.5	86	17.4	8.3	8.3	28.9	28.9	113.3	113.3	9.1	9.1	4.0	4.0	8	8	75	75	<0.2	<0.2	1.1	1.2			
						5.9	0.5	89	17.4	8.3	8.3	28.9	28.9	113.3	113.3	9.1	9.1	4.0	4.0	8	8	75	75	<0.2	<0.2	1.2	1.1			
					Bottom	10.7	0.4	86	17.2	8.3	8.3	29.0	29.0	113.7	113.7	9.2	9.2	4.3	4.3	8	8	77	77	<0.2	<0.2	1.1	1.1			
						10.7	0.4	89	17.2	8.3	8.3	29.0	29.0	113.7	113.7	9.2	9.2	4.3	4.3	8	8	77	77	<0.2	<0.2	1.1	1.1			
IM1	Sunny	Moderate	13:00	7.3	Surface	1.0	0.1	42	16.7	8.1	8.1	29.0	29.0	113.6	113.5	9.3	9.1	7.2	6.5	5	6	73	75	818335	806448	<0.2	<0.2	2.0	2.0	
						1.0	0.1	42	16.7	8.1	8.1	29.0	29.0	113.4	113.5	9.3	9.1	7.1	6.5	5	6	73	75	<0.2	<0.2	2.0	2.0			
					Middle	3.7	0.1	35	16.7	8.1	8.1	28.9	28.8	108.2	108.2	8.8	8.8	6.2	6.2	6	6	75	75	<0.2	<0.2	2.2	2.1			
						3.7	0.1	38	16.7	8.1	8.1	28.8	28.8	108.1	108.2	8.8	8.8	6.2	6.2	6	6	75	75	<0.2	<0.2	1.9	1.9			
					Bottom	6.3	0.0	244	16.7	8.2	8.2	28.8	28.7	105.5	105.0	8.6	8.6	6.3	6.3	7	7	77	77	<0.2	<0.2	1.9	2.0			
						6.3	0.0	244	16.7	8.2	8.2	28.7	28.7	104.4	105.0	8.5	8.6	6.2	6.2	9	9	77	77	<0.2	<0.2	2.0	2.0			
IM2	Sunny	Moderate	12:55	8.2	Surface	1.0	0.1	36	17.4	8.1	8.1	28.6	28.6	111.2	111.1	9.0	8.9	6.8	7.6	7	8	73	75	818825	806198	<0.2	<0.2	2.0	2.2	
						1.0	0.1	39	17.4	8.1	8.1	28.6	28.6	110.9	111.1	9.0	8.9	6.9	7.6	7	7	73	75	<0.2	<0.2	2.4	2.2			
					Middle	4.1	0.1	50	16.6	8.1	8.1	28.9	28.9	107.1	107.0	8.8	8.7	7.9	8.1	6	7	75	75	<0.2	<0.2	2.3	2.2			
						4.1	0.1	50	16.6	8.1	8.1	28.9	28.9	106.9	107.0	8.7	8.7	8.1	8.1	7	7	75	75	<0.2	<0.2	2.2	2.2			
					Bottom	7.2	0.1	58	16.6	8.1	8.1	28.8	28.8	104.6	104.2	8.6	8.6	8.0	8.0	10	10	77	77	<0.2	<0.2	2.2	2.2			
						7.2	0.1	58	16.6	8.1	8.1	28.8	28.8	103.8	104.2	8.5	8.6	8.1	8.1	11	11	77	77	<0.2	<0.2	2.2	2.2			
IM3	Sunny	Moderate	12:48	8.4	Surface	1.0	0.2	21	16.8	8.1	8.1	28.9	28.9	110.2	110.0	9.0	8.8	7.2	7.5	7	7	72	74	819438	806026	<0.2	<0.2	2.2	2.2	
						1.0	0.2	22	16.8	8.1	8.1	28.9	28.9	109.8	110.0	9.0	8.8	7.3	7.5	7	7	72	74	<0.2	<0.2	2.1	2.1			
					Middle	4.2	0.1	16	16.5	8.1	8.1	29.0	29.0	105.3	105.2	8.6	8.6	7.5	7.7	7	7	73	73	<0.2	<0.2	2.3	2.3			
						4.2	0.1	16	16.5	8.1	8.1	29.0	29.0	105.0	105.2	8.6	8.6	7.7	7.7	8	8	73	73	<0.2	<0.2	2.1	2.1			
					Bottom	7.4	0.1	34	16.5	8.1	8.1	28.6	28.6	100.1	99.7	8.2	8.2	7.6	7.6	7	7	76	76	<0.2	<0.2	2.2	2.2			
						7.4	0.1	35	16.5	8.1	8.1	28.5	28.5	99.2	99.2	8.1	8.1	7.5	7.5	7	7	76	76	<0.2	<0.2	2.2	2.2			
IM4	Sunny	Moderate	12:41	7.8	Surface	1.0	0.1	49	17.0	8.1	8.1	28.5	28.5	110.1	109.9	9.0	8.7	7.7	9.7	6	7	74	75	819555	805058	<0.2	<0.2	2.2	2.1	
						1.0	0.1	50	17.0	8.1	8.1	28.5	28.5	109.6	109.9	8.9	8.7	8.0	9.7	7	7	74	75	<0.2	<0.2	2.2	2.1			
					Middle	3.9	0.1	16	16.5	8.1	8.1	29.2	29.2	103.8	103.7	8.5	8.5	9.9	9.9	6	7	75	75	<0.2	<0.2	2.1	2.1			
						3.9	0.1	17	16.5	8.1	8.1	29.2	29.2	103.5	103.7	8.5	8.5	9.9	9.9	7	7	75	75	<0.2	<0.2	2.2	2.1			
					Bottom	6.8	0.1	359	16.4	8.1	8.1	29.0	29.0	100.9	100.7	8.3	8.3	11.2	11.2	7	7	76	76	<0.2	<0.2	2.1	2.1			
						6.8	0.1	330	16.4	8.1	8.1	28.9	28.9	100.4	100.7	8.2	8.3	11.4	11.4	6	6	76	76	<0.2	<0.2	2.0	2.0			
IM5	Sunny	Moderate	12:34	7.1	Surface	1.0	0.2	13	17.0	8.1	8.1	28.9	28.9	109.3	109.3	8.9	8.8	7.6	8.0	5	7	73	75	820561	804903	<0.2	<0.2	2.2	2.1	
						1.0	0.2	13	17.0	8.1	8.1	28.9	28.9	109.2	109.3	8.9	8.8	7.6	8.0	6	7	73	75	<0.2	<0.2	2.1	2.1			
					Middle	3.6	0.1	347	16.6	8.1	8.1	29.0	29.0	106.0	105.9	8.7	8.7	8.4	8.5	7	6	75	76	<0.2	<0.2	2.3	2.1			
						3.6	0.1	319	16.6	8.1	8.1	29.0	29.0	105.7	105.9	8.7	8.7	8.5	8.5	6	6	76	76	<0.2	<0.2	2.3	2.1			
					Bottom	6.1	0.1	350	16.6	8.1	8.1	28.8	28.8	103.0	102.7	8.4	8.4	7.9	7.9	8	9	76	76	<0.2	<0.2	2.1	2.0			
						6.1	0.1	322	16.6	8.1	8.1	28.7	28.8	102.3	102.7	8.4	8.4	7.9	7.9	9	9	76	76	<0.2	<0.2	2.0	2.0			
IM6	Sunny	Moderate	12:27	7.0	Surface	1.0	0.1	198	16.9	8.1	8.1	28.7	28.7	114.8	114.8	9.4	9.2	9.4	9.2	7	9	71	73	821064	805855	<0.2	<0.2	2.1	2.2	
						1.0	0.1	207	16.9	8.1	8.1	28.7	28.7	114.7	114.8	9.3	9.3	9.4	9.2	8	9	71	73	<0.2	<0.2	2.1	2.2			
					Middle	3.5	0.1	218	16.9	8.1	8.1	28.6	28.6	111.2	111.2	9.1	9.1	8.7	8.7	9	9	73	74	<0.2	<0.2	2.2	2.2			
						3.5	0.1	230	16.9	8.1	8.1	28.6	28.6	111																

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

Water Quality Monitoring Results on 18 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:54	7.2	Surface	1.0	0.3	77	17.7	8.3	8.3	27.6	27.6	115.9	115.9	9.4	9.4	6.9	9.4	4	73	75	75	822082	808815	<0.2	2.6	<0.2	2.3			
						1.0	0.3	82	17.7	8.3	8.3	27.6	27.6	115.9	115.9	9.4	9.4	6.9	9.4	5	75	75	75	75	75	75	<0.2	1.6	<0.2	1.7		
					Middle	3.6	0.3	67	17.1	8.4	8.4	28.1	28.1	114.7	114.7	9.3	9.3	8.0	9.3	8.0	9.3	8	75	75	75	75	75	75	<0.2	1.4	<0.2	1.4
						3.6	0.3	71	17.1	8.4	8.4	28.1	28.1	114.7	114.7	9.3	9.3	8.0	9.3	8.0	9.3	9	75	75	75	75	75	75	<0.2	1.7	<0.2	1.7
					Bottom	6.2	0.2	67	17.1	8.4	8.4	28.2	28.2	114.3	114.3	9.3	9.3	8.6	9.3	8.6	9.3	10	76	76	76	76	76	76	<0.2	1.5	<0.2	1.5
						6.2	0.2	72	17.1	8.4	8.4	28.2	28.2	114.3	114.3	9.3	9.3	8.6	9.3	8.6	9.3	10	76	76	76	76	76	76	<0.2	1.4	<0.2	1.4
IM10	Cloudy	Moderate	13:02	7.7	Surface	1.0	0.3	85	17.3	8.4	8.4	27.5	27.5	115.2	115.2	9.4	9.4	6.7	9.4	7	74	74	74	822234	809826	<0.2	2.2	<0.2	2.1			
						1.0	0.4	87	17.3	8.4	8.4	27.5	27.5	115.2	115.2	9.4	9.4	6.7	9.4	6	74	74	74	74	74	74	<0.2	2.1	<0.2	2.1		
					Middle	3.9	0.3	89	17.1	8.4	8.4	28.1	28.1	114.8	114.8	9.3	9.3	8.7	9.3	8.7	9.3	6	75	75	75	75	75	75	<0.2	1.8	<0.2	1.8
						3.9	0.3	97	17.1	8.4	8.4	28.1	28.1	114.8	114.8	9.3	9.3	8.7	9.3	8.7	9.3	7	75	75	75	75	75	75	<0.2	1.6	<0.2	1.6
					Bottom	6.7	0.3	98	17.2	8.3	8.3	28.3	28.3	115.1	115.1	9.4	9.4	6.2	9.4	6.2	9.4	8	76	76	76	76	76	76	<0.2	1.5	<0.2	1.5
						6.7	0.3	100	17.2	8.3	8.3	28.3	28.3	115.1	115.1	9.4	9.4	6.2	9.4	6.2	9.4	8	76	76	76	76	76	76	<0.2	1.6	<0.2	1.6
IM11	Cloudy	Moderate	13:13	7.3	Surface	1.0	0.3	86	17.6	8.3	8.3	27.2	27.2	115.8	115.8	9.4	9.4	6.1	9.4	6	73	73	73	821487	810556	<0.2	2.1	<0.2	2.2			
						1.0	0.3	93	17.6	8.3	8.3	27.2	27.2	115.8	115.8	9.4	9.4	6.1	9.4	6	73	73	73	73	73	73	<0.2	2.0	<0.2	2.0		
					Middle	3.7	0.3	66	17.2	8.4	8.4	28.0	28.0	113.9	113.9	9.3	9.3	7.2	9.3	7.2	9.3	7	75	75	75	75	75	75	<0.2	2.0	<0.2	2.0
						3.7	0.3	69	17.2	8.4	8.4	28.0	28.0	113.9	113.9	9.3	9.3	7.2	9.3	7.2	9.3	8	75	75	75	75	75	75	<0.2	2.1	<0.2	2.1
					Bottom	6.3	0.2	56	17.2	8.3	8.3	28.3	28.3	113.5	113.5	9.2	9.2	7.2	9.2	7.2	9.2	16	76	76	76	76	76	76	<0.2	1.5	<0.2	1.5
						6.3	0.2	59	17.2	8.3	8.3	28.3	28.3	113.5	113.5	9.2	9.2	7.2	9.2	7.2	9.2	14	77	77	77	77	77	77	<0.2	1.7	<0.2	1.7
IM12	Cloudy	Moderate	13:20	8.8	Surface	1.0	0.4	84	17.3	8.3	8.3	27.6	27.6	119.3	119.3	9.7	9.7	5.0	9.7	7	73	73	73	821152	811539	<0.2	1.9	<0.2	2.0			
						1.0	0.4	84	17.3	8.3	8.3	27.6	27.6	119.3	119.3	9.7	9.7	5.0	9.7	6	74	74	74	74	74	74	<0.2	2.0	<0.2	1.8		
					Middle	4.4	0.2	93	17.3	8.3	8.3	28.3	28.3	119.1	119.1	9.7	9.7	5.2	9.7	5.2	9.7	5	75	75	75	74	74	74	<0.2	1.7	<0.2	1.7
						4.4	0.2	94	17.3	8.3	8.3	28.3	28.3	119.1	119.1	9.7	9.7	5.2	9.7	5.2	9.7	6	76	76	76	74	74	74	<0.2	1.8	<0.2	1.8
					Bottom	7.8	0.1	99	17.3	8.3	8.3	28.6	28.6	116.9	116.9	9.5	9.5	6.2	9.5	6.2	9.5	5	73	73	73	74	74	74	<0.2	1.4	<0.2	1.4
						7.8	0.1	99	17.3	8.3	8.3	28.6	28.6	116.9	116.9	9.5	9.5	6.5	9.5	6.5	9.5	5	74	74	74	74	74	74	<0.2	1.4	<0.2	1.4
SR2	Cloudy	Moderate	13:46	3.7	Surface	1.0	0.2	66	17.4	8.3	8.3	28.2	28.2	117.7	117.7	9.5	9.5	5.6	9.5	6	74	74	74	821491	814164	<0.2	1.3	<0.2	1.5			
						1.0	0.2	70	17.4	8.3	8.3	28.2	28.2	117.7	117.7	9.5	9.5	5.6	9.5	6	73	73	73	74	74	74	<0.2	1.5	<0.2	1.5		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821491	814164	<0.2	-	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821491	814164	<0.2	-	<0.2
					Bottom	2.7	0.1	51	17.2	8.3	8.3	28.3	28.3	116.4	116.4	9.4	9.4	6.9	9.4	6.9	9.4	6	75	75	75	74	74	74	<0.2	1.5	<0.2	1.5
						2.7	0.1	53	17.2	8.3	8.3	28.3	28.3	116.4	116.4	9.4	9.4	6.9	9.4	6.9	9.4	6	75	75	75	74	74	74	<0.2	1.6	<0.2	1.6
SR3	Cloudy	Moderate	12:41	9.4	Surface	1.0	0.3	71	17.3	8.3	8.3	27.2	27.2	114.5	114.5	9.3	9.3	10.0	9.3	7	-	-	-	822158	807593	-	-	-	-			
						1.0	0.3	72	17.3	8.3	8.3	27.2	27.2	114.5	114.5	9.3	9.3	10.0	9.3	8	-	-	-	-	-	-	-	-	-	-		
					Middle	4.7	0.3	69	17.1	8.3	8.3	27.4	27.4	113.6	113.6	9.3	9.3	10.5	9.3	10.5	9.3	8	-	-	-	-	-	-	-	-	-	
						4.7	0.3	72	17.1	8.3	8.3	27.4	27.4	113.6	113.6	9.3	9.3	10.5	9.3	10.5	9.3	8	-	-	-	-	-	-	-	-	-	
					Bottom	8.4	0.3	86	17.0	8.3	8.3	28.0	28.0	114.0	114.0	9.3	9.3	15.4	9.3	15.4	9.3	9	-	-	-	-	-	-	-	-	-	
						8.4	0.3	92	17.0	8.3	8.3	28.0	28.0	114.0	114.0	9.3	9.3	15.4	9.3	15.4	9.3	11	-	-	-	-	-	-	-	-	-	
SR4A	Sunny	Moderate	13:40	9.0	Surface	1.0	0.3	89	17.2	8.2	8.2	28.5	28.5	117.2	117.0	9.5	9.5	6.6	9.5	9	-	-	-	-	-	-	-	-				
						1.0	0.3	96	17.2	8.2	8.2	28.5	28.5	116.8	116.8	9.5	9.5	6.6	9.5	7	-	-	-	-	-	-	-	-	-			
					Middle	4.5	0.2	70	16.9	8.2	8.2	28.4	28.4	112.3	112.3	9.2	9.2	6.6	9.2	6.6	9.2	8	-	-	-	-	-	-	-	-		
						4.5	0.2	75	16.9	8.2	8.2	28.4	28.4	112.2	112.2	9.2	9.2	6.7	9.2	6.7	9.2	9	-	-	-	-	-	-	-	-		
					Bottom	8.0	0.2	62	16.8	8.1	8.1	28.2	28.2	108.7	108.3	8.9	8.9	7.1	8.9	7.1	8.9	8	-	-	-	-	-	-	-	-		
						8.0	0.3	62	16.8	8.1	8.1	28.2	28.2	107.9	107.9	8.8	8.8	7.1	8.8	7.1	8.8	8	-	-	-	-	-	-	-	-		
SR5A	Sunny	Calm	13:55	5.3	Surface	1.0	0.1	59	17.4	8.3	8.3	28.9	28.9	122.3	122.2	9.9	9.9	5.9	9.9	7	-	-	-	-	-	-	-					
						1.0	0.1	59	17.4	8.3	8.3	28.9	28.9	122.1	122.1	9.8	9.8	5.9	9.8	7	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.3	0.0	19	17.3	8.2	8.2	28.3	28.2	107.9	106.2	8.8	8.7	6.8	8.8	6.8	8.8	8	-	-	-	-	-	-	-			
						4.3	0.0	19	17.3	8.2	8.2	28.0	28.2	104.5	106.2	8.5	8.5	7.1	8.5	7.1	8.5	10	-	-	-	-	-	-	-			
SR6	Sunny	Calm	14:18	4.2	Surface	1.0	0.1	65	17.9	8.2	8.2	28.5	28.5																			

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

Water Quality Monitoring Results on 18 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	08:50	7.9	Surface	1.0	0.5	46	16.6	16.6	8.1	8.1	28.9	28.9	108.9	108.9	8.9	8.6	8	72	74	815633	804245	<0.2	1.6	<0.2	1.5			
						1.0	0.6	46	16.6	16.6	8.1	8.1	28.9	28.9	108.8	108.9	8.9	8.7	7	72	74	<0.2	1.4							
						4.0	0.5	44	16.6	16.6	8.1	8.1	28.9	28.9	107.6	107.6	8.8	9.8	10	73	74	<0.2	1.5							
					4.0	0.5	44	16.6	16.6	8.1	8.1	28.9	28.9	107.6	107.6	8.8	9.8	9	73	74	<0.2	1.5								
					6.9	0.4	27	16.6	16.5	8.1	8.1	29.1	29.1	104.0	104.0	8.5	11.9	9	76	75	<0.2	1.4								
					6.9	0.5	27	16.5	16.5	8.1	8.1	29.1	29.1	103.9	104.0	8.5	8.5	8	76	75	<0.2	1.4								
C2	Cloudy	Moderate	09:31	11.8	Surface	1.0	0.4	355	17.2	17.2	8.2	8.2	26.3	26.3	105.0	105.0	8.6	7.6	6	72	73	825709	806959	<0.2	2.7	<0.2	2.4			
						1.0	0.4	327	17.2	17.2	8.2	8.2	26.3	26.3	105.0	105.0	8.6	7.6	5	72	73	<0.2	2.8							
						5.9	0.4	350	17.2	17.2	8.2	8.2	27.2	27.2	105.1	105.1	8.6	12.1	5	73	74	<0.2	2.4							
					5.9	0.4	322	17.2	17.2	8.2	8.2	27.2	27.2	105.1	105.1	8.6	12.1	6	73	74	<0.2	2.3								
					10.8	0.3	311	17.1	17.1	8.2	8.2	28.5	28.5	106.0	106.0	8.6	23.0	9	75	74	<0.2	2.1								
					10.8	0.3	316	17.1	17.1	8.2	8.2	28.5	28.5	106.0	106.0	8.6	23.0	11	74	74	<0.2	2.1								
C3	Cloudy	Moderate	07:43	10.6	Surface	1.0	0.5	273	17.1	17.1	8.3	8.3	28.9	28.9	111.1	111.1	9.0	7.1	7	73	75	822134	817777	<0.2	1.5	<0.2	1.4			
						1.0	0.5	278	17.1	17.1	8.3	8.3	28.9	28.9	111.1	111.1	9.0	7.1	7	73	75	<0.2	1.5							
						5.3	0.6	273	17.2	17.2	8.2	8.2	29.5	29.5	110.6	110.6	8.9	10.6	9	75	74	<0.2	1.4							
					5.3	0.7	275	17.2	17.2	8.2	8.2	29.5	29.5	110.6	110.6	8.9	10.6	8	75	74	<0.2	1.4								
					9.6	0.4	273	17.2	17.2	8.2	8.2	29.9	29.9	111.5	111.5	9.0	13.7	7	76	75	<0.2	1.4								
					9.6	0.4	296	17.2	17.2	8.2	8.2	29.9	29.9	111.5	111.5	9.0	13.7	7	77	75	<0.2	1.4								
IM1	Fine	Moderate	09:06	7.0	Surface	1.0	0.5	25	16.8	16.8	8.2	8.2	28.0	28.0	107.7	107.7	8.8	8.5	7	73	75	818360	806458	<0.2	1.7	<0.2	1.7			
						1.0	0.5	27	16.8	16.8	8.2	8.2	28.0	28.0	107.6	107.7	8.8	8.2	7	73	75	<0.2	1.6							
						3.5	0.5	17	16.7	16.7	8.1	8.1	28.2	28.2	104.5	104.5	8.6	9.8	7	75	74	<0.2	1.6							
					3.5	0.5	18	16.7	16.7	8.1	8.1	28.2	28.2	104.5	104.5	8.6	9.8	6	75	74	<0.2	1.8								
					6.0	0.4	349	16.6	16.6	8.1	8.1	28.3	28.3	101.9	101.6	8.4	11.5	7	76	75	<0.2	1.6								
					6.0	0.4	358	16.6	16.6	8.1	8.1	28.2	28.3	101.3	101.6	8.3	11.3	7	77	75	<0.2	1.8								
IM2	Fine	Moderate	09:11	7.8	Surface	1.0	0.5	27	16.8	16.8	8.1	8.1	27.9	27.9	107.1	107.1	8.8	7.4	7	73	75	818838	806179	<0.2	1.9	<0.2	1.9			
						1.0	0.5	29	16.8	16.8	8.1	8.1	27.9	27.9	107.0	107.1	8.8	7.7	8	73	75	<0.2	1.9							
						3.9	0.5	17	16.8	16.8	8.2	8.2	28.0	28.0	105.3	105.2	8.6	10.2	8	75	74	<0.2	1.9							
					3.9	0.6	17	16.8	16.8	8.2	8.2	28.0	28.0	105.1	105.2	8.6	9.2	7	75	74	<0.2	1.9								
					6.8	0.4	13	16.7	16.7	8.2	8.2	28.2	28.1	102.0	101.7	8.4	9.5	12	76	75	<0.2	2.0								
					6.8	0.4	13	16.7	16.7	8.2	8.2	28.1	28.1	101.4	101.7	8.3	9.6	11	76	75	<0.2	2.0								
IM3	Fine	Moderate	09:17	7.9	Surface	1.0	0.3	39	16.8	16.8	8.1	8.1	27.6	27.6	106.5	106.5	8.7	6.8	10	72	74	819408	805993	<0.2	2.0	<0.2	2.0			
						1.0	0.3	41	16.8	16.8	8.1	8.1	27.6	27.6	106.5	106.5	8.7	6.8	9	72	74	<0.2	2.0							
						4.0	0.3	14	16.8	16.8	8.2	8.2	27.8	27.8	105.3	105.2	8.6	7.1	8	73	74	<0.2	1.8							
					4.0	0.3	14	16.8	16.8	8.2	8.2	27.8	27.8	105.1	105.1	8.6	7.2	9	73	74	<0.2	2.0								
					6.9	0.2	13	16.6	16.6	8.1	8.1	28.9	28.9	103.1	102.9	8.4	7.3	12	76	75	<0.2	1.9								
					6.9	0.2	13	16.6	16.6	8.1	8.1	28.9	28.9	102.6	102.9	8.4	7.4	11	76	75	<0.2	2.1								
IM4	Fine	Moderate	09:25	7.4	Surface	1.0	0.5	359	16.8	16.8	8.1	8.1	27.9	27.9	108.5	108.5	8.9	8.1	6	72	74	819560	805051	<0.2	2.0	<0.2	1.9			
						1.0	0.5	330	16.8	16.8	8.1	8.1	27.9	27.9	108.4	108.5	8.9	8.4	7	72	74	<0.2	2.0							
						3.7	0.5	4	16.8	16.8	8.1	8.1	28.2	28.2	106.8	106.8	8.8	10.4	8	73	74	<0.2	1.9							
					3.7	0.6	4	16.8	16.8	8.1	8.1	28.2	28.2	106.8	106.8	8.8	10.4	8	73	74	<0.2	1.8								
					6.4	0.5	13	16.8	16.8	8.1	8.1	28.1	28.1	103.1	103.1	8.5	20.5	8	75	74	<0.2	2.0								
					6.4	0.5	13	16.8	16.8	8.1	8.1	28.1	28.1	103.0	103.1	8.4	20.6	8	76	75	<0.2	1.8								
IM5	Fine	Moderate	09:32	6.5	Surface	1.0	0.6	10	16.9	16.9	8.1	8.1	27.5	27.5	106.6	106.6	8.8	7.9	8	73	75	820586	804947	<0.2	2.2	<0.2	2.0			
						1.0	0.6	10	16.9	16.9	8.1	8.1	27.5	27.5	106.5	106.6	8.7	7.9	7	73	75	<0.2	2.0							
						3.3	0.5	15	16.8	16.8	8.1	8.1	28.0	28.0	105.1	105.1	8.6	11.9	8	75	74	<0.2	1.8							
					3.3	0.5	16	16.8	16.8	8.1	8.1	28.0	28.0	105.0	105.1	8.6	11.9	9	75	74	<0.2	2.0								
					5.5	0.5	13	16.8	16.8	8.1	8.1	27.9	27.9	102.6	102.3	8.4	18.0	8	75	74	<0.2	1.9								
					5.5	0.5	14	16.8	16.8	8.1	8.1	27.9	27.9	102.0	102.3	8.4	18.8	8	76	75	<0.2	2.1								
IM6	Fine	Moderate	09:39	6.4	Surface	1.0	0.3	48	16.8	16.8	8.1	8.1	28.0	28.0	105.3	105.3	8.6	7.7	8	72	74	821032	805808	<0.2	1.9	<0.2	1.9			
						1.0	0.3	48	16.8	16.8	8.1	8.1	28.0	28.0	105.3	105.3	8.6	7.7	9	72	74	<0.2	1.8							
						3.2	0.4	27	16.7	16.7	8.1	8.1	28.5	28.5	103.8	103.7	8.5	7.9	10	73	74	<0.2	2.0							
					3.2	0.4	27	16.7	16.7	8.1	8.1	28.5	28.5	103.6	103.7	8.5	7.0	10	73	74	<0.2	1.9								
					5.4	0.3	14	16.7	16.7	8.1	8.1	28.3	28.3	101.1	100.8	8.3	7.0	12	75	74	<0.2	2.1								
					5.4	0.3	14	16.7	16.7	8.1	8.1	28.3	28.3	100.5	100.8	8.2	7.2	13	76	75	<0.2	1.9								
IM7	Fine	Moderate	09:47	8.0	Surface	1.0	0.2	40	16.8	16.8	8.1	8.1	27.5	27.5	106.2	106.2	8.7	7.0	10	72	73	821344	806808	<0.2	2.0	<0.2	2.0			
						1.0	0.2	43	16.8	16.8	8.1	8.1	27.5	27.5	106.2	106.2	8.7	7.2	11	72	73	<0.2	1.9							
						4.0	0.3	31	16.6	16.6	8.1	8.1	28.8	28.7	104.8	104.6	8.6	8.0	12	73	73	<0.2	2.0							
					4.0	0.3	31	16.6	16.6	8.1	8.1	28.7	28.7	104.4	104.6	8.6	8.1	10	73	73	<0.2	2.1								
					7.0	0.3	19	16.6	16.6	8.1	8.1	28.6	28.5	100.4	99.8	8.2	7.9	11	75	75	<0.2	2.2								
					7.0	0.3	20	16.6	16.6	8.1	8.1	28.5	28.5	99.1	99.8	8.1	7.5	12	75	7										

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

Water Quality Monitoring Results on 18 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	08:57	6.6	Surface	1.0	0.2	359	17.2	8.2	8.2	26.1	26.1	106.3	106.3	8.8	8.8	6.4	6.4	6	73	74	822064	808785	<0.2	<0.2	2.5	2.5								
						1.0	0.2	330	17.2	8.2	8.2	26.1	26.1	106.3	106.3	8.8	8.8	6.4	6.4	7	73	74	822064	808785	<0.2	<0.2	2.4	2.4								
					Middle	3.3	0.2	345	17.1	17.1	8.3	8.3	26.3	26.3	107.1	107.1	8.8	8.8	6.5	6.5	6	75	75	822064	808785	<0.2	<0.2	2.7	2.7							
						3.3	0.2	359	17.1	17.1	8.3	8.3	26.3	26.3	107.1	107.1	8.8	8.8	6.5	6.5	8	75	75	822064	808785	<0.2	<0.2	2.6	2.6							
					Bottom	5.6	0.2	344	17.1	17.1	8.3	8.3	26.3	26.3	109.0	109.0	9.0	9.0	6.8	6.8	8	74	74	822064	808785	<0.2	<0.2	2.5	2.5							
						5.6	0.2	316	17.1	17.1	8.3	8.3	26.3	26.3	109.0	109.0	9.0	9.0	6.8	6.8	7	73	73	822064	808785	<0.2	<0.2	2.0	2.0							
IM10	Cloudy	Moderate	08:49	7.4	Surface	1.0	0.6	320	17.1	8.2	8.2	27.1	27.1	109.4	109.4	9.0	9.0	6.0	6.0	5	73	75	822219	809853	<0.2	<0.2	1.9	1.9								
						1.0	0.7	328	17.1	17.1	8.2	8.2	27.1	27.1	109.4	109.4	9.0	9.0	6.0	6.0	6	73	75	822219	809853	<0.2	<0.2	1.8	1.8							
					Middle	3.7	0.5	314	17.1	17.1	8.2	8.2	27.6	27.6	110.0	110.0	9.0	9.0	9.0	9.0	7	75	75	822219	809853	<0.2	<0.2	1.9	1.9							
						3.7	0.5	334	17.1	17.1	8.2	8.2	27.6	27.6	110.0	110.0	9.0	9.0	9.0	9.0	7	75	75	822219	809853	<0.2	<0.2	1.8	1.8							
					Bottom	6.4	0.4	316	17.1	17.1	8.2	8.2	27.7	27.7	111.0	111.0	9.1	9.1	12.1	12.1	9	77	77	822219	809853	<0.2	<0.2	1.8	1.8							
						6.4	0.4	316	17.1	17.1	8.2	8.2	27.7	27.7	111.0	111.0	9.1	9.1	12.1	12.1	10	77	77	822219	809853	<0.2	<0.2	1.8	1.8							
IM11	Cloudy	Moderate	08:38	7.0	Surface	1.0	0.5	306	17.1	8.2	8.2	27.2	27.2	110.2	110.2	9.0	9.0	7.1	7.1	7	73	74	821516	810521	<0.2	<0.2	2.1	2.1								
						1.0	0.5	333	17.1	17.1	8.2	8.2	27.2	27.2	110.2	110.2	9.0	9.0	7.1	7.1	5	73	74	821516	810521	<0.2	<0.2	1.9	1.9							
					Middle	3.5	0.4	301	17.1	17.1	8.2	8.2	27.7	27.7	110.6	110.6	9.0	9.0	12.4	12.4	6	74	74	821516	810521	<0.2	<0.2	2.0	2.0							
						3.5	0.4	318	17.1	17.1	8.2	8.2	27.7	27.7	110.6	110.6	9.0	9.0	12.4	12.4	6	75	75	821516	810521	<0.2	<0.2	1.6	1.6							
					Bottom	6.0	0.3	299	17.1	17.1	8.2	8.2	27.8	27.8	111.7	111.7	9.1	9.1	15.1	15.1	12	76	76	821516	810521	<0.2	<0.2	1.8	1.8							
						6.0	0.3	319	17.1	17.1	8.2	8.2	27.8	27.8	111.7	111.7	9.1	9.1	15.1	15.1	14	75	75	821516	810521	<0.2	<0.2	1.8	1.8							
IM12	Cloudy	Moderate	08:30	7.6	Surface	1.0	0.5	286	17.1	8.2	8.2	27.8	27.8	113.9	113.9	9.3	9.3	7.9	7.9	5	74	75	821185	811508	<0.2	<0.2	1.7	1.7								
						1.0	0.5	301	17.1	17.1	8.2	8.2	27.8	27.8	113.9	113.9	9.3	9.3	7.9	7.9	4	73	73	821185	811508	<0.2	<0.2	1.8	1.8							
					Middle	3.8	0.6	280	17.2	17.2	8.3	8.3	28.3	28.3	115.4	115.4	9.4	9.4	13.6	13.6	5	75	75	821185	811508	<0.2	<0.2	1.7	1.7							
						3.8	0.6	288	17.2	17.2	8.3	8.3	28.3	28.3	115.4	115.4	9.4	9.4	13.6	13.6	4	75	75	821185	811508	<0.2	<0.2	1.8	1.8							
					Bottom	6.6	0.5	280	17.2	17.2	8.3	8.3	28.5	28.5	115.2	115.2	9.3	9.3	19.2	19.2	13	76	76	821185	811508	<0.2	<0.2	1.5	1.5							
						6.6	0.5	304	17.2	17.2	8.3	8.3	28.5	28.5	115.2	115.2	9.3	9.3	19.2	19.2	12	77	77	821185	811508	<0.2	<0.2	1.5	1.5							
SR2	Cloudy	Moderate	08:04	4.0	Surface	1.0	0.1	79	17.1	8.2	8.2	29.1	29.1	111.1	111.1	9.0	9.0	10.0	10.0	9	74	75	821486	814193	<0.2	<0.2	1.6	1.6								
						1.0	0.1	81	17.1	17.1	8.2	8.2	29.1	29.1	111.1	111.1	9.0	9.0	10.0	10.0	9	73	73	821486	814193	<0.2	<0.2	1.5	1.5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821486	814193	<0.2	<0.2	1.5	1.5					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821486	814193	<0.2	<0.2	1.4	1.4				
					Bottom	3.0	0.1	119	17.1	17.1	8.2	8.2	29.2	29.2	111.1	111.1	9.0	9.0	11.4	11.4	11	75	75	821486	814193	<0.2	<0.2	1.4	1.4							
						3.0	0.1	125	17.1	17.1	8.2	8.2	29.2	29.2	111.1	111.1	9.0	9.0	11.4	11.4	12	76	76	821486	814193	<0.2	<0.2	1.5	1.5							
SR3	Cloudy	Moderate	09:11	8.5	Surface	1.0	0.2	22	17.2	8.2	8.2	25.8	25.9	105.1	105.2	8.7	8.7	7.4	7.4	4	-	-	822152	807563	-	-	-	-								
						1.0	0.3	22	17.1	17.1	8.2	8.2	25.9	25.9	105.3	105.3	8.7	8.7	7.7	7.7	5	-	-	822152	807563	-	-	-	-							
					Middle	4.3	0.4	10	17.1	17.1	8.2	8.2	26.2	26.2	105.7	105.7	8.7	8.7	10.1	10.1	4	-	-	822152	807563	-	-	-	-							
						4.3	0.4	10	17.1	17.1	8.2	8.2	26.2	26.2	105.7	105.7	8.7	8.7	10.1	10.1	4	-	-	822152	807563	-	-	-	-							
					Bottom	7.5	0.2	11	17.1	17.1	8.2	8.2	26.6	26.6	107.5	107.5	8.8	8.8	8.5	8.5	9	-	-	822152	807563	-	-	-	-							
						7.5	0.2	11	17.1	17.1	8.2	8.2	26.6	26.6	107.5	107.5	8.8	8.8	8.5	8.5	9	-	-	822152	807563	-	-	-	-							
SR4A	Fine	Calm	08:27	8.5	Surface	1.0	0.2	234	16.9	8.1	8.1	29.2	29.2	114.9	114.9	9.3	9.3	7.6	7.6	5	-	-	817206	807811	-	-	-	-								
						1.0	0.2	248	16.9	16.9	8.1	8.1	29.2	29.2	114.8	114.8	9.3	9.3	7.9	7.9	6	-	-	817206	807811	-	-	-	-							
					Middle	4.3	0.1	236	16.8	16.8	8.1	8.1	29.0	29.0	112.5	112.4	9.2	9.2	8.1	8.1	8	-	-	817206	807811	-	-	-	-							
						4.3	0.2	243	16.8	16.8	8.1	8.1	28.9	28.9	112.3	112.3	9.1	9.1	8.3	8.3	7	-	-	817206	807811	-	-	-	-							
					Bottom	7.5	0.2	223	16.8	16.8	8.1	8.1	28.6	28.6	109.0	108.6	8.9	8.9	7.3	7.3	6	-	-	817206	807811	-	-	-	-							
						7.5	0.2	227	16.8	16.8	8.1	8.1	28.5	28.5	108.2	108.6	8.8	8.8	7.3	7.3	6	-	-	817206	807811	-	-	-	-							
SR5A	Fine	Calm	08:11	4.7	Surface	1.0	0.3	301	16.9	8.2	8.2	28.6	28.5	110.1	109.9	9.0	9.0	6.2	6.2	8	-	-	816596	810694	-	-	-	-								
						1.0	0.3	320	16.9	16.9	8.2	8.2	28.5	28.5	109.6	109.6	8.9	8.9	6.2	6.2	9	-	-	816596	810694	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816596	810694	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816596	810694	-	-	-	-				
					Bottom	3.7	0.3	303	16.9	16.9	8.1	8.1	27.6	27.6	102.5	102.4	8.4	8.4	6.1	6.1	8	-	-	816596	810694	-	-	-	-							
						3.7	0.4	321	16.9	16.9	8.1	8.1	27.6	27.6	102.2	102.4	8.4	8.4	6.0	6.0	8	-	-	816596	810694	-	-	-	-							
SR6	Fine	Calm	07:48	3.6																																

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	14:33	8.4	Surface	1.0	0.2	217	17.7	7.9	7.9	27.8	27.8	112.4	112.4	9.1	8.8	5.9	7.0	8	8	74	75	815598	804267	<0.2	1.9	<0.2	1.7					
						1.0	0.2	234	17.7	7.9	7.9	27.8	27.8	112.3	112.4	9.1	8.8	5.9	7.0	8	8	73	75	74	75	<0.2	1.6	<0.2	1.7					
					Middle	4.2	0.1	193	17.0	17.0	7.9	7.9	29.8	29.8	105.5	105.5	8.5	8.5	7.1	7.1	7	7	75	75	75	75	<0.2	1.7	<0.2	1.9	<0.2	1.7		
						4.2	0.1	196	17.0	17.0	7.9	7.9	29.8	29.8	105.5	105.5	8.5	8.5	7.1	7.1	7	7	75	75	75	75	<0.2	1.7	<0.2	1.9	<0.2	1.7		
					Bottom	7.4	0.1	200	16.9	16.9	7.9	7.9	30.3	30.3	105.5	105.5	8.5	8.5	8.1	8.1	9	9	77	77	77	77	75	75	<0.2	2.0	<0.2	1.8	<0.2	1.8
						7.4	0.1	215	16.9	16.9	7.9	7.9	30.3	30.3	105.6	105.6	8.5	8.5	8.1	8.1	7	7	77	77	77	77	75	75	<0.2	2.0	<0.2	1.8	<0.2	1.8
C2	Cloudy	Moderate	13:27	12.1	Surface	1.0	0.1	57	17.8	8.0	8.0	27.3	27.3	108.7	108.7	8.8	8.8	6.5	8.0	4	4	73	73	825695	806964	<0.2	2.8	<0.2	2.9	<0.2	2.8			
						1.0	0.1	57	17.8	8.0	8.0	27.3	27.3	108.7	108.7	8.8	8.8	6.5	8.0	4	4	72	74	74	74	<0.2	2.9	<0.2	3.2	<0.2	3.2			
					Middle	6.1	0.0	216	17.6	17.6	8.0	8.0	29.8	29.8	108.4	108.4	8.7	8.7	8.4	8.4	8	7	74	74	74	74	<0.2	2.9	<0.2	2.9	<0.2	2.9		
						6.1	0.0	231	17.6	17.6	8.0	8.0	29.8	29.8	108.4	108.4	8.7	8.7	8.4	8.4	8	7	74	74	74	74	<0.2	2.9	<0.2	2.9	<0.2	2.9		
					Bottom	11.1	0.1	228	17.5	17.5	8.0	8.0	31.9	31.9	110.9	110.9	8.8	8.8	9.0	9.0	8	8	75	75	75	75	822107	817820	<0.2	2.7	<0.2	2.7	<0.2	2.7
						11.1	0.1	237	17.5	17.5	8.0	8.0	31.9	31.9	110.9	110.9	8.8	8.8	9.0	9.0	9	9	75	75	75	75	822107	817820	<0.2	2.8	<0.2	2.8	<0.2	2.8
C3	Cloudy	Moderate	15:28	11.5	Surface	1.0	0.4	72	17.7	8.2	8.2	31.6	31.6	115.7	115.7	9.1	9.0	4.0	4.9	6	6	73	73	822107	817820	<0.2	1.6	<0.2	1.7	<0.2	1.6			
						1.0	0.4	76	17.7	8.2	8.2	31.6	31.6	115.7	115.7	9.1	9.0	4.0	4.9	6	6	73	73	73	73	<0.2	1.7	<0.2	1.7	<0.2	1.7			
					Middle	5.8	0.3	77	17.6	17.6	8.1	8.1	32.2	32.2	113.0	113.0	8.9	8.9	5.2	5.2	7	7	75	75	75	75	<0.2	1.6	<0.2	1.6	<0.2	1.6		
						5.8	0.3	82	17.6	17.6	8.1	8.1	32.2	32.2	112.9	113.0	8.9	8.9	5.2	5.2	6	7	75	75	75	75	<0.2	1.4	<0.2	1.4	<0.2	1.4		
					Bottom	10.5	0.3	99	17.5	17.5	8.0	8.0	32.5	32.5	112.8	112.8	8.9	8.9	5.4	5.4	8	8	77	77	77	77	822107	817820	<0.2	1.3	<0.2	1.3	<0.2	1.3
						10.5	0.3	100	17.5	17.5	8.0	8.0	32.5	32.5	112.8	112.8	8.9	8.9	5.4	5.4	7	7	76	76	76	76	822107	817820	<0.2	1.3	<0.2	1.3	<0.2	1.3
IM1	Fine	Moderate	14:15	7.5	Surface	1.0	0.1	275	17.5	8.0	8.0	28.8	28.8	116.2	116.2	9.4	9.3	6.0	6.8	7	8	73	73	818358	806443	<0.2	1.6	<0.2	1.7	<0.2	1.6			
						1.0	0.1	284	17.5	8.0	8.0	28.8	28.8	116.2	116.2	9.4	9.3	6.0	6.8	6	8	73	73	73	73	<0.2	1.7	<0.2	1.7	<0.2	1.7			
					Middle	3.8	0.1	34	17.3	17.3	8.0	8.0	28.9	28.9	112.8	112.8	9.1	9.1	6.5	6.5	8	8	75	75	75	75	<0.2	1.8	<0.2	1.8	<0.2	1.8		
						3.8	0.1	36	17.3	17.3	8.0	8.0	28.9	28.9	112.7	112.8	9.1	9.1	6.5	6.5	8	8	75	75	75	75	<0.2	1.8	<0.2	1.8	<0.2	1.8		
					Bottom	6.5	0.1	116	17.0	17.0	8.0	8.0	29.3	29.3	110.2	110.3	8.9	8.9	7.8	7.8	8	9	77	77	77	77	818358	806443	<0.2	1.6	<0.2	1.6	<0.2	1.6
						6.5	0.1	127	17.0	17.0	8.0	8.0	29.3	29.3	110.3	110.3	8.9	8.9	7.8	7.8	8	9	77	77	77	77	818358	806443	<0.2	1.9	<0.2	1.9	<0.2	1.9
IM2	Fine	Moderate	14:10	8.3	Surface	1.0	0.1	272	17.5	8.0	8.0	28.8	28.8	115.0	115.0	9.3	9.1	6.4	7.4	9	9	73	73	818861	806172	<0.2	1.7	<0.2	1.7	<0.2	1.7			
						1.0	0.1	272	17.5	8.0	8.0	28.8	28.8	114.9	115.0	9.3	9.1	6.4	7.4	9	9	73	73	73	73	<0.2	1.6	<0.2	1.6	<0.2	1.6			
					Middle	4.2	0.1	86	17.1	17.1	8.0	8.0	29.3	29.3	110.0	110.0	8.9	8.9	7.8	7.8	8	9	75	75	75	75	<0.2	1.8	<0.2	1.8	<0.2	1.8		
						4.2	0.1	94	17.1	17.1	8.0	8.0	29.3	29.3	110.0	110.0	8.9	8.9	7.8	7.8	7	9	75	75	75	75	<0.2	1.8	<0.2	1.8	<0.2	1.8		
					Bottom	7.3	0.2	101	17.0	17.0	8.0	8.0	29.5	29.5	110.0	110.1	8.9	8.9	7.9	7.9	9	9	77	77	77	77	818861	806172	<0.2	1.6	<0.2	1.6	<0.2	1.6
						7.3	0.2	108	17.0	17.0	8.0	8.0	29.5	29.5	110.1	110.1	8.9	8.9	7.9	7.9	9	9	77	77	77	77	818861	806172	<0.2	1.7	<0.2	1.7	<0.2	1.7
IM3	Fine	Moderate	14:02	8.4	Surface	1.0	0.1	294	17.4	8.0	8.0	28.9	28.9	115.4	115.4	9.3	9.1	6.1	7.2	8	8	74	74	819400	806023	<0.2	1.6	<0.2	1.6	<0.2	1.6			
						1.0	0.1	300	17.4	8.0	8.0	28.9	28.9	115.3	115.4	9.3	9.1	6.0	7.2	7	8	73	73	73	73	<0.2	1.5	<0.2	1.5	<0.2	1.5			
					Middle	4.2	0.0	148	17.1	17.1	8.0	8.0	29.3	29.3	109.0	109.0	8.8	8.8	7.3	7.3	7	8	75	75	75	75	<0.2	1.6	<0.2	1.6	<0.2	1.6		
						4.2	0.0	153	17.1	17.1	8.0	8.0	29.3	29.3	109.0	109.0	8.8	8.8	7.3	7.3	6	8	75	75	75	75	<0.2	1.6	<0.2	1.6	<0.2	1.6		
					Bottom	7.4	0.1	143	17.0	17.0	8.0	8.0	29.5	29.5	108.2	108.3	8.8	8.8	8.1	8.1	9	9	77	77	77	77	819400	806023	<0.2	1.5	<0.2	1.5	<0.2	1.5
						7.4	0.1	149	17.0	17.0	8.0	8.0	29.5	29.5	108.3	108.3	8.8	8.8	8.1	8.1	11	9	77	77	77	77	819400	806023	<0.2	1.6	<0.2	1.6	<0.2	1.6
IM4	Fine	Moderate	13:54	7.8	Surface	1.0	0.1	332	17.4	8.0	8.0	28.7	28.7	111.8	111.8	9.0	8.9	6.8	7.9	8	9	73	73	819559	805049	<0.2	1.4	<0.2	1.4	<0.2	1.4			
						1.0	0.1	357	17.4	8.0	8.0	28.7	28.7	111.6	111.8	9.0	8.9	6.7	7.9	8	9	73	73	73	73	<0.2	1.6	<0.2	1.6	<0.2	1.6			
					Middle	3.9	0.1	42	17.1	17.0	8.0	8.0	29.3	29.3	108.0	108.0	8.7	8.7	7.7	7.7	8	9	75	75	75	75	<0.2	1.4	<0.2	1.4	<0.2	1.4		
						3.9	0.1	42	17.0	17.0	8.0	8.0	29.3	29.3	108.0	108.0	8.7	8.7	7.7	7.7	9	9	75	75	75	75	<0.2	1.6	<0.2	1.6	<0.2	1.6		
					Bottom	6.8	0.0	299	17.0	17.0	8.0	8.0	29.4	29.4	107.5	107.6	8.7	8.7	9.3	9.3	9	9	77	77	77	77	819559	805049	<0.2	1.4	<0.2	1.4	<0.2	1.4
						6.8	0.0	310	17.0	17.0	8.0	8.0	29.4	29.4	107.6	107.6	8.7	8.7	9.4	9.4	10	9	77	77	77	77	819559	805049	<0.2	1.5	<0.2	1.5	<0.2	1.5
IM5	Fine	Moderate	13:46	7.0	Surface	1.0	0.																											

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
C1	Fine	Moderate	09:31	8.1	Surface	1.0	0.3	35	17.1	7.9	7.9	29.5	29.5	107.5	107.4	8.7	8.7	10.9	13	74	74	74	74	815599	804228	<0.2	1.8	1.9				
						1.0	0.3	37	17.1	7.9	7.9	29.5	29.5	107.3	107.4	8.7	8.7	11.3	13	74	74	74	74	74	74	<0.2	1.6	1.9				
						4.1	0.4	45	17.0	7.9	7.9	30.1	30.1	106.0	106.0	8.6	8.6	15.9	11	76	76	76	76	76	76	<0.2	1.6	1.9				
					Middle	4.1	0.4	46	17.0	7.9	7.9	30.1	30.1	106.0	106.0	8.6	8.6	15.8	11	76	76	76	76	76	76	76	76	<0.2	1.3	1.9		
						7.1	0.3	42	17.0	7.9	7.9	30.1	30.1	105.8	105.8	8.5	8.5	23.4	16	78	78	78	78	78	78	78	78	<0.2	1.5	1.9		
						7.1	0.3	46	17.0	7.9	7.9	30.1	30.1	105.8	105.8	8.5	8.5	23.1	17	77	77	77	77	77	77	77	77	<0.2	3.3	1.9		
C2	Cloudy	Moderate	10:13	11.3	Surface	1.0	0.3	318	17.8	8.0	8.0	26.8	26.8	105.8	105.8	8.6	8.6	7.3	8	72	72	72	72	825694	806958	<0.2	3.2	2.6				
						1.0	0.3	329	17.8	8.0	8.0	26.8	26.8	105.8	105.8	8.6	8.6	7.3	8	73	73	73	73	73	73	73	73	<0.2	2.8	2.6		
						5.7	0.4	329	17.7	8.0	8.0	27.5	27.5	106.0	106.0	8.6	8.6	7.8	9	73	73	73	73	73	73	73	73	<0.2	2.9	2.6		
					Middle	5.7	0.4	329	17.7	8.0	8.0	27.5	27.5	106.0	106.0	8.6	8.6	7.8	8	74	74	74	74	74	74	74	74	74	74	<0.2	2.5	2.6
						10.3	0.3	355	17.6	8.0	8.0	28.3	28.3	106.0	106.0	8.5	8.5	13.3	10	75	75	75	75	75	75	75	75	<0.2	2.6	2.6		
						10.3	0.3	327	17.6	8.0	8.0	28.3	28.3	106.0	106.0	8.5	8.5	13.3	11	75	75	75	75	75	75	75	75	<0.2	1.8	2.6		
C3	Cloudy	Moderate	08:30	11.4	Surface	1.0	0.6	276	17.5	8.3	8.3	28.2	28.2	110.9	110.9	9.0	9.0	5.5	9	74	74	74	74	822089	817779	<0.2	2.0	1.9				
						1.0	0.6	291	17.5	8.3	8.3	28.2	28.2	110.9	110.9	9.0	9.0	5.5	8	73	73	73	73	73	73	73	73	<0.2	2.0	1.9		
						5.7	0.5	272	17.5	8.3	8.3	28.9	28.9	109.2	109.2	8.8	8.8	9.5	11	75	75	75	75	75	75	75	75	<0.2	1.8	1.9		
					Middle	5.7	0.5	299	17.5	8.3	8.3	28.9	28.9	109.2	109.2	8.8	8.8	9.5	12	75	75	75	75	75	75	75	75	75	75	<0.2	2.0	1.9
						10.4	0.4	271	17.4	8.2	8.2	29.8	29.8	109.0	109.0	8.7	8.7	17.9	22	78	78	78	78	78	78	78	78	<0.2	1.7	1.9		
						10.4	0.4	273	17.4	8.2	8.2	29.8	29.8	109.0	109.0	8.7	8.7	17.9	20	77	77	77	77	77	77	77	77	<0.2	2.1	1.9		
IM1	Fine	Moderate	09:49	7.1	Surface	1.0	0.5	16	17.3	8.0	8.0	28.4	28.4	107.2	107.2	8.7	8.7	7.9	8	74	74	74	74	818368	806477	<0.2	2.3	2.2				
						1.0	0.5	16	17.3	8.0	8.0	28.4	28.4	107.2	107.2	8.7	8.7	8.0	9	74	74	74	74	74	74	74	74	<0.2	2.3	2.2		
						3.6	0.4	1	17.3	8.0	8.0	28.8	28.8	106.5	106.5	8.6	8.6	10.9	8	76	76	76	76	76	76	76	76	<0.2	2.1	2.2		
					Middle	3.6	0.4	1	17.3	8.0	8.0	28.8	28.8	106.5	106.5	8.6	8.6	11.1	8	76	76	76	76	76	76	76	76	76	76	<0.2	2.1	2.2
						6.1	0.4	335	17.0	7.9	7.9	30.0	30.0	105.9	105.9	8.5	8.5	13.5	16	78	78	78	78	78	78	78	78	78	78	<0.2	1.8	2.2
						6.1	0.4	358	17.0	7.9	7.9	30.0	30.0	105.9	105.9	8.5	8.5	13.5	18	78	78	78	78	78	78	78	78	78	78	<0.2	2.3	2.2
IM2	Fine	Moderate	09:53	7.9	Surface	1.0	0.4	15	17.3	8.0	8.0	28.2	28.2	106.9	106.9	8.7	8.7	7.4	9	74	74	74	74	818868	806175	<0.2	2.4	2.3				
						1.0	0.4	16	17.3	8.0	8.0	28.2	28.2	106.8	106.8	8.7	8.7	7.5	7	74	74	74	74	74	74	74	74	<0.2	2.2	2.3		
						4.0	0.4	13	17.3	8.0	8.0	28.4	28.4	106.4	106.4	8.6	8.6	8.4	11	76	76	76	76	76	76	76	76	<0.2	2.5	2.3		
					Middle	4.0	0.5	14	17.3	8.0	8.0	28.4	28.4	106.4	106.4	8.6	8.6	8.4	10	76	76	76	76	76	76	76	76	76	76	<0.2	2.3	2.3
						6.9	0.4	2	17.2	8.0	8.0	29.1	29.1	105.9	105.9	8.6	8.6	10.4	9	78	78	78	78	78	78	78	78	78	78	<0.2	2.2	2.3
						6.9	0.4	2	17.2	8.0	8.0	29.1	29.1	105.9	105.9	8.6	8.6	10.4	10	78	78	78	78	78	78	78	78	78	78	<0.2	2.4	2.3
IM3	Fine	Moderate	10:00	8.0	Surface	1.0	0.4	10	17.3	7.9	7.9	28.1	28.1	106.3	106.3	8.6	8.6	7.4	6	74	74	74	74	819410	805995	<0.2	2.5	2.4				
						1.0	0.4	10	17.3	7.9	7.9	28.1	28.1	106.3	106.3	8.6	8.6	7.4	7	74	74	74	74	74	74	74	74	<0.2	2.4	2.4		
						4.0	0.4	16	17.3	7.9	7.9	28.1	28.1	105.6	105.6	8.6	8.6	7.4	5	76	76	76	76	76	76	76	76	<0.2	2.3	2.4		
					Middle	4.0	0.5	16	17.3	7.9	7.9	28.1	28.1	105.5	105.5	8.6	8.6	7.4	6	76	76	76	76	76	76	76	76	76	76	<0.2	2.6	2.4
						7.0	0.3	10	17.0	7.9	7.9	30.1	30.1	104.6	104.6	8.4	8.4	8.8	6	78	78	78	78	78	78	78	78	78	78	<0.2	2.4	2.4
						7.0	0.3	10	17.0	7.9	7.9	30.1	30.1	104.6	104.6	8.4	8.4	8.9	7	78	78	78	78	78	78	78	78	78	78	<0.2	2.3	2.4
IM4	Fine	Moderate	10:08	7.5	Surface	1.0	0.4	343	17.3	7.9	7.9	28.2	28.2	107.2	107.2	8.7	8.7	7.8	7	74	74	74	74	819588	805016	<0.2	2.4	2.3				
						1.0	0.4	359	17.3	7.9	7.9	28.2	28.2	107.2	107.2	8.7	8.7	7.9	6	74	74	74	74	74	74	74	74	<0.2	2.6	2.3		
						3.8	0.5	357	17.3	7.9	7.9	28.4	28.4	106.8	106.8	8.7	8.7	12.6	7	76	76	76	76	76	76	76	76	<0.2	2.4	2.3		
					Middle	3.8	0.5	328	17.3	7.9	7.9	28.4	28.4	106.9	106.9	8.7	8.7	12.5	6	76	76	76	76	76	76	76	76	76	76	<0.2	2.0	2.3
						6.5	0.4	359	17.2	7.9	7.9	28.8	28.8	106.5	106.5	8.6	8.6	27.3	13	78	78	78	78	78	78	78	78	78	78	<0.2	2.0	2.3
						6.5	0.4	330	17.2	7.9	7.9	28.8	28.8	106.5	106.5	8.6	8.6	27.5	15	78	78	78	78	78	78	78	78	78	78	<0.2	2.5	2.3
IM5	Fine	Moderate	10:15	6.6	Surface	1.0	0.5	17	17.3	7.9	7.9	28.1	28.1	106.5	106.5	8.6	8.6	7.9	9	73	73	73	73	820573	804894	<0.2	2.2	2.4				
						1.0	0.5	17	17.3	7.9	7.9	28.1	28.1	106.5	106.5	8.6	8.6	7.9	9	74	74	74	74	74	74	74	74	<0.2	2.3	2.4		
						3.3	0.5	24	17.3	7.9	7.9	28.3	28.3	105.9	105.9	8.6	8.6	10.6	8	76	76	76	76	76	76	76	76	<0.2	2.4	2.4		
					Middle	3.3	0.5	26	17.3	7.9	7.9	28.3	28.3	105.9	105.9	8.6	8.6	10.6	7	76	76	76	76	76	76	76	76	76	76	<0.2	2.4	2.4
						5.6	0.5	39	17.2	7.9	7.9	28.4	28.4	105.7	105.7	8.6	8.6	14.2	8	77	77	77	77	77								

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	09:40	7.0	Surface	1.0	0.2	321	17.6	17.6	8.0	8.0	27.9	27.9	104.3	104.3	8.4	8.4	8.9	8.9	11	73	74	822068	808832	<0.2	<0.2	2.9	2.9							
						1.0	0.2	338	17.6	8.0	8.0	27.9	27.9	104.3	104.3	8.4	8.4	8.9	8.9	12	72	74	74	74	74	<0.2	<0.2	2.9	2.9							
					Middle	3.5	0.2	319	17.6	17.6	8.0	8.0	27.9	27.9	104.1	104.1	8.4	8.4	8.8	8.8	11	74	14	74	74	<0.2	<0.2	2.7	2.7							
						3.5	0.2	329	17.6	17.6	8.0	8.0	27.9	27.9	104.1	104.1	8.4	8.4	8.8	8.8	10	73	19	75	75	<0.2	<0.2	2.8	2.8							
					Bottom	6.0	0.2	325	17.6	17.6	8.0	8.0	27.9	27.9	103.9	103.9	8.4	8.4	12.6	12.6	19	75	20	76	76	<0.2	<0.2	2.5	2.5							
						6.0	0.2	337	17.6	17.6	8.0	8.0	27.9	27.9	103.9	103.9	8.4	8.4	12.6	12.6	20	76	76	<0.2	<0.2	2.5	2.5									
IM10	Cloudy	Moderate	09:33	7.2	Surface	1.0	0.6	310	17.6	17.6	8.0	8.0	27.9	27.9	106.1	106.1	8.6	8.6	8.6	8.6	9	73	75	822215	809833	<0.2	<0.2	2.7	2.7							
						1.0	0.6	338	17.6	8.0	8.0	27.9	27.9	106.1	106.1	8.6	8.6	8.6	8.6	9	73	75	75	75	<0.2	<0.2	2.6	2.6								
					Middle	3.6	0.5	308	17.6	17.6	8.0	8.0	28.5	28.5	105.5	105.5	8.5	8.5	14.0	14.0	10	75	19	75	75	<0.2	<0.2	2.3	2.3							
						3.6	0.5	333	17.6	17.6	8.0	8.0	28.5	28.5	105.5	105.5	8.5	8.5	14.0	14.0	10	75	38	77	77	<0.2	<0.2	2.3	2.3							
					Bottom	6.2	0.4	314	17.6	17.6	8.0	8.0	28.6	28.6	105.4	105.4	8.5	8.5	17.2	17.2	37	77	37	77	77	<0.2	<0.2	2.6	2.6							
						6.2	0.4	327	17.6	17.6	8.0	8.0	28.6	28.6	105.4	105.4	8.5	8.5	17.2	17.2	37	77	37	77	77	<0.2	<0.2	2.6	2.6							
IM11	Cloudy	Moderate	09:22	6.5	Surface	1.0	0.5	296	17.6	17.6	8.0	8.0	28.1	28.1	106.3	106.3	8.6	8.6	7.4	7.4	10	74	75	821524	810540	<0.2	<0.2	2.4	2.4							
						1.0	0.5	320	17.6	17.6	8.0	8.0	28.1	28.1	106.3	106.3	8.6	8.6	7.4	7.4	10	73	12	75	75	<0.2	<0.2	2.3	2.3							
					Middle	3.3	0.4	290	17.6	17.6	8.0	8.0	28.1	28.1	105.9	105.9	8.5	8.5	9.1	9.1	11	75	11	75	75	<0.2	<0.2	2.6	2.6							
						3.3	0.4	307	17.6	17.6	8.0	8.0	28.1	28.1	105.9	105.9	8.5	8.5	9.1	9.1	11	75	15	77	77	<0.2	<0.2	2.4	2.4							
					Bottom	5.5	0.4	289	17.6	17.6	8.1	8.1	28.5	28.5	105.3	105.3	8.5	8.5	9.0	9.0	13	76	13	76	76	<0.2	<0.2	2.4	2.4							
						5.5	0.4	302	17.6	17.6	8.1	8.1	28.5	28.5	105.3	105.3	8.5	8.5	9.0	9.0	13	76	13	76	76	<0.2	<0.2	2.4	2.4							
IM12	Cloudy	Moderate	09:16	7.7	Surface	1.0	0.6	280	17.6	17.6	8.0	8.0	28.0	28.0	111.4	111.4	9.0	9.0	5.2	5.2	8	73	75	821164	811536	<0.2	<0.2	2.1	2.1							
						1.0	0.6	280	17.6	17.6	8.0	8.0	28.0	28.0	111.4	111.4	9.0	9.0	5.2	5.2	8	73	12	75	75	<0.2	<0.2	2.3	2.3							
					Middle	3.9	0.7	277	17.6	17.6	8.1	8.1	29.1	29.1	111.6	111.6	8.9	8.9	12.3	12.3	9	75	8	76	76	<0.2	<0.2	1.8	1.8							
						3.9	0.7	296	17.6	17.6	8.1	8.1	29.1	29.1	111.6	111.6	8.9	8.9	12.3	12.3	8	76	20	75	20	<0.2	<0.2	1.9	1.9							
					Bottom	6.7	0.5	276	17.6	17.6	8.1	8.1	29.4	29.4	109.3	109.3	8.7	8.7	25.7	25.7	21	75	21	75	75	<0.2	<0.2	1.8	1.8							
						6.7	0.5	277	17.6	17.6	8.1	8.1	29.4	29.4	109.3	109.3	8.7	8.7	25.7	25.7	21	75	21	75	75	<0.2	<0.2	1.8	1.8							
SR2	Cloudy	Moderate	08:49	4.3	Surface	1.0	0.2	3	17.5	17.5	8.1	8.1	28.2	28.2	107.8	107.8	8.7	8.7	16.6	16.6	16	74	75	821464	814151	<0.2	<0.2	2.0	2.0							
						1.0	0.2	3	17.5	17.5	8.1	8.1	28.2	28.2	107.8	107.8	8.7	8.7	16.6	16.6	17	73	17	73	73	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	75	821464	814151	0.2	0.2	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	75	76	<0.2	<0.2	1.9	1.9			
					Bottom	3.3	0.2	5	17.5	17.5	8.1	8.1	28.5	28.5	107.0	107.0	8.6	8.6	16.6	16.6	18	76	18	76	76	<0.2	<0.2	1.9	1.9							
						3.3	0.2	5	17.5	17.5	8.1	8.1	28.5	28.5	107.0	107.0	8.6	8.6	16.6	16.6	18	76	18	76	76	<0.2	<0.2	1.9	1.9							
SR3	Cloudy	Moderate	09:54	8.4	Surface	1.0	0.2	345	17.7	17.7	8.0	8.0	27.3	27.3	103.6	103.6	8.4	8.4	6.6	6.6	5	-	-	822142	807545	-	-	-	-							
						1.0	0.3	317	17.7	17.7	8.0	8.0	27.3	27.3	103.6	103.6	8.4	8.4	6.6	6.6	8	-	-	-	-	-	-	-	-							
					Middle	4.2	0.2	7	17.7	17.7	8.0	8.0	27.6	27.6	102.8	102.8	8.3	8.3	6.5	6.5	7	-	-	-	-	-	-	-	-	-						
						4.2	0.3	7	17.7	17.7	8.0	8.0	27.6	27.6	102.8	102.8	8.3	8.3	6.5	6.5	7	-	-	-	-	-	-	-	-	-						
					Bottom	7.4	0.2	23	17.7	17.7	8.0	8.0	27.7	27.7	103.8	103.8	8.4	8.4	6.0	6.0	8	-	-	-	-	-	-	-	-	-						
						7.4	0.3	24	17.7	17.7	8.0	8.0	27.7	27.7	103.8	103.8	8.4	8.4	6.0	6.0	7	-	-	-	-	-	-	-	-	-						
SR4A	Fine	Moderate	09:10	8.5	Surface	1.0	0.2	248	17.4	17.4	8.0	8.0	29.7	29.7	113.0	113.0	9.1	9.1	8.7	8.7	11	-	-	821780	807838	-	-	-	-							
						1.0	0.2	253	17.4	17.4	8.0	8.0	29.7	29.7	113.0	113.0	9.1	9.1	8.7	8.7	12	-	-	-	-	-	-	-								
					Middle	4.3	0.2	261	17.4	17.4	8.0	8.0	29.6	29.6	111.9	111.9	9.0	9.0	8.7	8.7	10	-	-	-	-	-	-	-	-							
						4.3	0.2	284	17.4	17.4	8.0	8.0	29.6	29.6	111.9	111.9	9.0	9.0	8.7	8.7	12	-	-	-	-	-	-	-	-							
					Bottom	7.5	0.2	267	17.4	17.4	8.0	8.0	29.5	29.5	110.2	110.2	8.9	8.9	8.6	8.6	13	-	-	-	-	-	-	-	-							
						7.5	0.2	284	17.4	17.4	8.0	8.0	29.5	29.5	110.1	110.1	8.9	8.9	8.6	8.6	14	-	-	-	-	-	-	-	-							
SR5A	Fine	Calm	08:54	4.5	Surface	1.0	0.3	285	17.4	17.4	8.0	8.0	29.6	29.6	114.6	114.6	9.2	9.2	7.8	7.8	9	-	-	8216585	810666	-	-	-	-							
						1.0	0.3	301	17.4	17.4	8.0	8.0	29.6	29.6	114.6	114.6	9.2	9.2	7.8	7.8	9	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.5	0.2	291	17.4	17.4	8.0	8.0	29.4	29.4	112.9	112.9	9.1	9.1	8.8	8.8	11	-	-	-	-	-	-	-	-							
						3.5	0.3	300	17.4	17.4	8.0	8.0	29.4	29.4	112.8	112.8	9.1	9.1	8.8	8.8	11	-	-	-	-	-	-	-	-							
SR6	Fine	Calm	08:31	3.7	Surface	1.0	0.2	271	17.3	17.3	8.0	8.0	29.4	29.4	108.7	108.7	8.8	8.8	6.2	6.2	11	-	-	8217877	814654	-	-	-	-							
						1.0	0.2	276	17.3	17.3	8.0	8.0	29.4	29.4	1																					

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

Water Quality Monitoring Results on 23 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
C1	Misty	Moderate	16:40	8.7	Surface	1.0	0.2	131	17.7	7.8	7.8	31.2	31.2	126.5	126.5	10.0	9.7	5.0	6	73	75	75	815598	804222	<0.2	1.3	1.1			
						1.0	0.2	133	17.7	7.8	7.8	31.2	31.2	126.4	126.5	10.0	9.7	5.0	5	73	75									
					Middle	4.4	0.2	134	17.4	17.4	7.8	7.8	32.1	32.1	119.5	119.5	9.4	6.3	6	75	75	75								
						4.4	0.2	136	17.4	17.4	7.8	7.8	32.1	32.1	119.4	119.5	9.4	5.5	6	75	75									
					Bottom	7.7	0.2	141	17.3	17.3	7.8	7.8	33.1	33.1	118.7	118.9	9.3	7.9	9	75	75	75								
						7.7	0.2	154	17.3	17.3	7.8	7.8	33.1	33.1	119.0	118.9	9.4	7.4	10	77	77									
C2	Misty	Moderate	15:41	11.8	Surface	1.0	0.2	107	18.9	8.0	8.0	27.8	27.8	122.1	122.1	9.6	6.3	7	72	74	74	825690	806937	<0.2	1.2	1.3				
						1.0	0.3	110	18.9	8.0	8.0	27.8	27.8	122.1	122.1	9.6	6.3	8	73	74										
					Middle	5.9	0.1	194	18.0	18.0	8.0	8.0	31.3	31.2	118.8	118.8	9.3	9.7	9	74	74	74								
						5.9	0.1	199	18.0	18.0	8.0	8.0	31.2	31.2	118.8	118.8	9.3	9.8	10	74	74									
					Bottom	10.8	0.1	176	18.0	18.0	8.0	8.0	31.7	31.7	120.6	120.6	9.5	8.3	14	75	75									
						10.8	0.1	179	18.0	18.0	8.0	8.0	31.7	31.7	120.6	120.6	9.5	8.3	13	75	75									
C3	Misty	Moderate	17:24	11.8	Surface	1.0	0.3	69	18.1	8.1	8.1	30.6	30.6	119.8	119.8	9.4	4.1	7	73	75	75	822112	817782	<0.2	2.9	2.2				
						1.0	0.3	72	18.1	8.1	8.1	30.6	30.6	119.8	119.8	9.4	4.1	6	73	75										
					Middle	5.9	0.2	86	17.9	17.9	8.0	8.0	31.4	31.4	118.7	118.7	9.3	4.7	7	75	75									
						5.9	0.2	91	17.9	17.9	8.0	8.0	31.4	31.4	118.7	118.7	9.3	4.7	6	75	75									
					Bottom	10.8	0.2	98	17.9	17.9	8.0	8.0	31.6	31.6	119.1	119.1	9.4	7.5	7	77	77									
						10.8	0.2	99	17.9	17.9	8.0	8.0	31.6	31.6	119.1	119.1	9.4	7.5	6	77	77									
IM1	Misty	Moderate	16:21	7.5	Surface	1.0	0.1	170	18.0	7.8	7.8	30.8	30.8	133.3	133.2	10.5	6.6	6	74	75	75	818374	806474	<0.2	1.3	1.1				
						1.0	0.1	183	18.0	7.8	7.8	30.8	30.8	133.1	133.1	10.5	6.7	6	73	75										
					Middle	3.8	0.1	116	17.6	17.6	7.8	7.8	31.2	31.2	124.2	124.2	9.8	7.7	7	75	75									
						3.8	0.1	125	17.6	17.6	7.8	7.8	31.2	31.2	124.1	124.1	9.8	7.8	8	75	75									
					Bottom	6.5	0.1	114	17.4	17.4	7.8	7.8	32.3	32.3	122.6	122.7	9.7	9.3	10	77	77									
						6.5	0.1	122	17.4	17.4	7.8	7.8	32.3	32.3	122.7	122.7	9.7	9.3	9	77	77									
IM2	Misty	Moderate	16:15	8.5	Surface	1.0	0.1	256	18.0	7.8	7.8	31.1	31.1	131.6	131.6	10.4	6.5	8	73	75	75	818823	806215	<0.2	1.1	1.2				
						1.0	0.1	266	18.0	7.8	7.8	31.1	31.1	131.6	131.6	10.3	6.5	8	73	75										
					Middle	4.3	0.1	253	17.9	17.9	7.8	7.8	31.2	31.2	125.5	125.4	9.9	6.8	10	75	75									
						4.3	0.1	262	17.9	17.9	7.8	7.8	31.2	31.2	125.3	125.4	9.9	6.8	10	75	75									
					Bottom	7.5	0.0	229	17.4	17.4	7.8	7.8	32.4	32.4	120.5	120.6	9.5	8.6	11	77	77									
						7.5	0.0	240	17.4	17.4	7.8	7.8	32.4	32.4	120.7	120.6	9.5	8.6	8	77	77									
IM3	Misty	Moderate	16:09	8.7	Surface	1.0	0.0	343	18.4	7.8	7.8	31.3	31.3	131.9	131.9	10.3	5.9	7	74	75	75	819396	806030	<0.2	1.1	1.1				
						1.0	0.0	359	18.4	7.8	7.8	31.3	31.3	131.8	131.8	10.3	5.9	8	73	75										
					Middle	4.4	0.1	32	17.9	17.9	7.8	7.8	31.6	31.6	124.8	124.7	9.8	7.7	7	75	75									
						4.4	0.1	34	17.9	17.9	7.8	7.8	31.6	31.6	124.6	124.7	9.8	7.8	9	75	75									
					Bottom	7.7	0.1	105	17.4	17.4	7.7	7.7	32.3	32.3	119.0	119.1	9.4	13.8	12	77	77									
						7.7	0.1	105	17.4	17.4	7.7	7.7	32.3	32.3	119.1	119.1	9.4	14.0	10	77	77									
IM4	Misty	Moderate	16:01	7.9	Surface	1.0	0.1	146	17.7	7.8	7.8	31.5	31.5	123.6	123.6	9.8	8.8	10	73	75	75	819552	805018	<0.2	1.1	1.2				
						1.0	0.1	150	17.7	7.8	7.8	31.5	31.5	123.6	123.6	9.8	8.8	9	73	75										
					Middle	4.0	0.1	181	17.6	17.6	7.8	7.8	31.7	31.7	121.5	121.5	9.6	9.2	11	75	75									
						4.0	0.1	198	17.6	17.6	7.8	7.8	31.7	31.7	121.4	121.4	9.6	9.2	11	75	75									
					Bottom	6.9	0.1	274	17.5	17.5	7.8	7.8	32.0	32.0	121.1	121.1	9.6	9.5	13	77	77									
						6.9	0.1	285	17.5	17.5	7.8	7.8	32.0	32.0	121.1	121.1	9.6	9.5	15	77	77									
IM5	Misty	Moderate	15:52	7.2	Surface	1.0	0.1	152	17.9	7.8	7.8	31.1	31.1	122.2	121.9	9.6	9.0	7	73	75	75	820576	804928	<0.2	1.2	1.1				
						1.0	0.1	157	17.9	7.8	7.8	31.1	31.1	121.5	121.9	9.6	9.0	9	73	75										
					Middle	3.6	0.1	60	17.4	17.4	7.7	7.7	31.8	31.8	114.2	114.2	9.0	10.9	8	75	75									
						3.6	0.1	65	17.4	17.4	7.7	7.7	31.8	31.8	114.2	114.2	9.0	11.1	10	75	75									
					Bottom	6.2	0.1	19	17.4	17.4	7.7	7.7	31.8	31.8	115.1	115.4	9.1	11.4	16	77	77									
						6.2	0.1	19	17.4	17.4	7.7	7.7	31.9	31.8	115.6	115.4	9.2	11.4	16	77	77									
IM6	Misty	Moderate	15:44	7.1	Surface	1.0	0.1	18	18.2	7.8	7.8	31.2	31.2	132.9	132.8	10.4	6.7	10	73	75	75	821066	805833	<0.2	1.0	1.3				
						1.0	0.1	19	18.2	7.8	7.8	31.2	31.2	132.7	132.8	10.4	6.8	10	73	75										
					Middle	3.6	0.1	38	18.1	18.1	7.8	7.8	31.2	31.2	129.7	129.7	10.2	8.0	9	75	75									
						3.6	0.1	40	18.1	18.1	7.8	7.8	31.2	31.2	129.6	129.7	10.2	8.0	10	75	75									
					Bottom	6.1	0.1	34	17.8	17.8	7.8	7.8	31.5	31.5	126.5	126.5	10.0	8.0	11	77	77									
						6.1	0.1	36	17.8	17.8	7.8	7.8	31.5	31.5	126.5	126.5	10.0	7.9	10	77	77									
IM7	Misty	Moderate	15:38	8.2	Surface	1.0	0.1	137	17.9	7.8	7.8	30.4	30.4	126.5	126.5	10.0	9.9	13	73	75	75	821367	806851	<0.2	1.8	1.6				
						1.0	0.2	144	17.9	7.8	7.8	30.4	30.4	126.4	126.5	10.0	9.9	13	73	75										
					Middle	4.1	0.1	121	17.6	17.6	7.7	7.7	30.9	30.9	119.9	120.0	9.5	12.6	17	75	75									
						4.1	0.1	129	17.6	17.6	7.7	7.7	30.9	30.9	120.0	120.0	9.5	12.7	16	75	75									
					Bottom	7.2	0.2	99	17.7	17.7	7.8	7.8	31.1	31.1	120.6	120.6	9.5	13.5	21	77	77									
						7.2	0.2	99	17.7	17.7	7.8	7.8	31.1	31.1	120.6	120.6	9.5	13.8	20	77	77									
IM8	Misty	Moderate	16:05	8.3	Surface	1.0	0.3	104	18.5	8.1	8.1	29.5	29.5	130.5	130.5	10.3	7.9	10	73	75	75	821669	807849	<0.2	2.1	1.9				
						1.0	0.4	108	18.5	8.1	8.1	29.5	29.5	130.5	130.5	10.3	7.9	10	72	74										
					Middle	4.2	0.3	96	18.2	18.2	8.0	8.0	30.6	30.6	130.7	130.7	10.3	9.3	12	74	74									
						4.2	0.3	100	18.2	18.2	8.0	8.0	30.6	30.6	130.7	130.7	10.3	9.3	13	74	74									
					Bottom	7.3	0.2	73	18.2	18.2	8.1	8.1	30.7	30.7	131.5	131.5	10.3	9.5	32	75	75									
						7.3	0.2	78	18.2	18.2	8.1																			

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

Water Quality Monitoring Results on 23 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	11:05	8.0	Surface	1.0	0.5	28	17.6	17.6	7.9	7.9	30.7	30.7	118.0	118.0	9.4	8.8	9	74	76	815595	804245	<0.2	1.4	<0.2	1.2			
						1.0	0.5	30	17.6	7.9	7.9	30.7	30.7	117.9	118.0	9.4	8.9	8	73	76	<0.2	0.9								
						4.0	0.5	27	17.4	7.8	7.8	31.7	31.7	110.1	110.1	8.7	18.8	10	75	76	<0.2	1.2								
					4.0	0.5	28	17.4	7.8	7.8	31.7	31.7	110.0	110.1	8.7	18.9	8	76	76	<0.2	1.0									
					7.0	0.5	19	17.3	7.8	7.8	32.0	32.0	109.3	109.3	8.7	34.6	12	77	76	<0.2	1.3									
					7.0	0.5	19	17.3	7.8	7.8	32.0	32.0	109.3	109.3	8.7	34.8	15	78	76	<0.2	1.4									
C2	Cloudy	Moderate	12:00	11.9	Surface	1.0	0.5	354	18.6	18.6	7.9	7.9	27.3	27.3	110.5	110.5	8.8	6.3	6	73	74	825671	806955	<0.2	2.9	<0.2	2.8			
						1.0	0.5	326	18.6	7.9	7.9	27.3	27.3	110.5	110.5	8.8	6.3	4	73	74	<0.2	3.3								
						6.0	0.3	-	18.2	7.9	7.9	28.0	28.0	109.9	109.9	8.8	10.1	7	73	74	<0.2	3.0								
					6.0	0.3	-	18.2	7.9	7.9	28.0	28.0	109.9	109.9	8.8	10.1	6	73	74	<0.2	3.1									
					10.9	0.2	328	18.1	7.9	7.9	29.1	29.1	110.3	110.3	8.8	17.1	10	75	75	<0.2	2.3									
					10.9	0.2	344	18.1	7.9	7.9	29.1	29.1	110.3	110.3	8.8	17.1	8	75	75	<0.2	2.1									
C3	Sunny	Moderate	10:13	11.4	Surface	1.0	0.6	274	18.1	18.1	8.0	8.0	29.8	29.8	116.1	116.1	9.2	4.8	6	73	75	822095	817782	<0.2	2.1	<0.2	2.0			
						1.0	0.7	290	18.1	8.0	8.0	29.8	29.8	116.1	116.1	9.2	4.8	6	73	75	<0.2	2.1								
						5.7	0.5	266	18.0	8.0	8.0	30.8	30.8	111.1	111.1	8.8	7.1	6	75	75	<0.2	1.8								
					5.7	0.6	266	18.0	8.0	8.0	30.8	30.8	111.1	111.1	8.8	7.1	5	76	75	<0.2	2.2									
					10.4	0.4	264	17.9	8.0	8.0	31.8	31.8	110.5	110.5	8.7	16.7	8	77	75	<0.2	2.0									
					10.4	0.4	278	17.9	8.0	8.0	31.8	31.8	110.5	110.5	8.7	16.7	9	78	75	<0.2	2.0									
IM1	Sunny	Moderate	11:22	7.3	Surface	1.0	0.5	23	18.1	18.1	8.0	8.0	29.5	29.5	124.4	124.4	9.9	7.0	6	74	76	818380	806481	<0.2	2.2	<0.2	1.8			
						1.0	0.5	23	18.1	8.0	8.0	29.5	29.5	124.3	124.3	9.9	7.0	6	74	76	<0.2	2.2								
						3.7	0.5	9	17.6	7.9	7.9	30.9	30.9	115.3	115.2	9.2	9.6	7	76	76	<0.2	1.9								
					3.7	0.5	9	17.6	7.9	7.9	30.9	30.9	115.1	115.2	9.1	9.9	7	76	76	<0.2	1.8									
					6.3	0.4	354	17.5	7.9	7.9	31.3	31.3	112.8	112.8	9.0	16.9	15	78	76	<0.2	1.2									
					6.3	0.4	326	17.5	7.9	7.9	31.3	31.3	112.8	112.8	9.0	16.2	14	78	76	<0.2	1.4									
IM2	Sunny	Moderate	11:28	8.4	Surface	1.0	0.5	34	18.1	18.1	8.0	8.0	29.5	29.5	121.0	121.0	9.6	11.1	6	74	76	818827	806211	<0.2	0.5	<0.2	1.5			
						1.0	0.5	36	18.1	8.0	8.0	29.5	29.5	121.0	121.0	9.6	11.3	6	74	76	<0.2	2.1								
						4.2	0.5	32	17.6	7.9	7.9	30.9	30.9	114.1	114.1	9.1	16.9	8	76	76	<0.2	1.7								
					4.2	0.5	32	17.6	7.9	7.9	30.9	30.9	114.1	114.1	9.1	17.1	9	76	76	<0.2	1.9									
					7.4	0.4	29	17.6	7.9	7.9	30.9	30.9	113.6	113.7	9.0	26.7	16	79	76	<0.2	1.4									
					7.4	0.4	30	17.6	7.9	7.9	30.9	30.9	113.7	113.7	9.0	26.9	18	79	76	<0.2	1.5									
IM3	Sunny	Moderate	11:34	8.2	Surface	1.0	0.4	28	18.1	18.1	8.0	8.0	29.1	29.1	119.7	119.7	9.5	7.9	6	74	76	819435	806041	<0.2	2.3	<0.2	2.2			
						1.0	0.5	30	18.1	8.0	8.0	29.1	29.1	119.6	119.6	9.5	7.9	5	74	76	<0.2	2.3								
						4.1	0.4	37	17.7	7.9	7.9	29.9	29.9	113.8	113.8	9.1	13.0	7	76	76	<0.2	2.3								
					4.1	0.4	40	17.7	7.9	7.9	29.9	29.9	113.7	113.8	9.1	12.5	6	76	76	<0.2	2.5									
					7.2	0.4	27	17.5	7.9	7.9	30.9	30.9	112.4	112.4	8.9	32.7	18	79	76	<0.2	1.8									
					7.2	0.4	27	17.5	7.9	7.9	30.9	30.9	112.4	112.4	8.9	32.7	17	78	76	<0.2	1.8									
IM4	Sunny	Moderate	11:43	7.6	Surface	1.0	0.5	33	18.0	18.0	7.9	7.9	28.9	28.9	121.6	121.6	9.7	6.9	5	74	76	819567	805037	<0.2	2.5	<0.2	2.3			
						1.0	0.5	35	18.0	7.9	7.9	28.9	28.9	121.6	121.6	9.7	7.0	5	74	76	<0.2	2.7								
						3.8	0.6	32	17.7	7.9	7.9	30.1	30.1	114.3	114.3	9.1	13.8	5	76	76	<0.2	2.2								
					3.8	0.6	32	17.7	7.9	7.9	30.1	30.1	114.3	114.3	9.1	13.8	6	76	76	<0.2	2.2									
					6.6	0.4	28	17.6	7.9	7.9	30.2	30.2	113.2	113.2	9.0	32.7	7	79	76	<0.2	2.1									
					6.6	0.4	30	17.6	7.9	7.9	30.2	30.2	113.5	113.4	9.0	33.6	6	78	76	<0.2	2.0									
IM5	Sunny	Moderate	11:50	6.8	Surface	1.0	0.6	18	17.9	17.9	7.9	7.9	29.1	29.1	117.3	117.3	9.3	8.8	7	74	76	820584	804922	<0.2	2.4	<0.2	2.4			
						1.0	0.6	19	17.9	7.9	7.9	29.1	29.1	117.2	117.3	9.3	8.9	5	74	76	<0.2	2.5								
						3.4	0.5	18	17.8	7.9	7.9	29.2	29.2	114.6	114.6	9.1	14.0	10	76	76	<0.2	2.3								
					3.4	0.5	19	17.8	7.9	7.9	29.2	29.2	114.6	114.6	9.1	14.1	11	76	76	<0.2	2.4									
					5.8	0.4	19	17.8	7.9	7.9	29.2	29.2	114.1	114.1	9.1	14.4	11	79	76	<0.2	2.4									
					5.8	0.4	19	17.8	7.9	7.9	29.2	29.2	114.1	114.1	9.1	14.1	10	78	76	<0.2	2.3									
IM6	Sunny	Moderate	11:57	6.9	Surface	1.0	0.3	52	17.9	17.9	8.0	8.0	29.3	29.3	119.8	119.8	9.5	8.2	5	74	76	821039	805809	<0.2	3.0	<0.2	2.4			
						1.0	0.4	53	17.9	8.0	8.0	29.4	29.3	119.8	119.8	9.5	7.9	6	74	76	<0.2	2.6								
						3.5	0.4	39	17.8	8.0	8.0	29.7	29.7	118.2	118.2	9.4	9.0	8	76	76	<0.2	2.0								
					3.5	0.4	41	17.8	8.0	8.0	29.7	29.7	118.2	118.2	9.4	9.0	9	76	76	<0.2	2.2									
					5.9	0.3	41	17.7	7.9	7.9	30.5	30.5	116.8	116.8	9.3	9.8	7	78	76	<0.2	2.4									
					5.9	0.3	43	17.7	7.9	7.9	30.5	30.5	116.8	116.8	9.3	9.7	8	78	76	<0.2	1.9									
IM7	Sunny	Moderate	12:05	8.2	Surface	1.0	0.4	44	17.9	17.9	7.9	7.9	29.0	29.0	119.1	119.1	9.5	7.9	3	74	76	821343	806813	<0.2	3.6	<0.2	2.9			
						1.0	0.4	47	17.9	7.9	7.9	29.0	29.0	119.1	119.1	9.5	8.0	3	74	76	<0.2	3.6								
						4.1	0.4	16	17.8	7.9	7.9	29.8	29.8	118.7	118.7	9.4	10.5	4	76	76	<0.2	2.9								
					4.1	0.4	17	17.8	7.9	7.9	29.8	29.8	118.6	118.7	9.4	10.0	6	76	76	<0.2	3.1									
					7.2	0.3	20	17.8	7.9	7.9	30.3	30.3	117.7	117.7	9.3	11.4	10	79	76	<0.2	1.8									
					7.2	0.4	20	17.8	7.9	7.9	30.3	30.3	117.7	117.7	9.3	11.5	12	78	76	<0.2	2.1									
IM8	Cloudy	Moderate	11:34	7.9	Surface	1.0	0.3	25	18.3	18.3	8.1	8.1	28.5	28.5	117.4	117.4	9.3	9.1	7	73	74	821718	807850	<0.2	2.9	<0.2	2.7			
						1.0	0.3	25	18.3	8.1	8.1	28.5	28.5	117.4	117.4	9.3	9.1	7	73	74	<0.2	2.8								

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

Water Quality Monitoring Results on 25 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
C1	Cloudy	Rough	06:11	8.7	Surface	1.0	0.6	224	17.4	8.1	8.1	32.6	32.6	115.2	115.2	9.1	9.1	5.1	5.1	6	72	73	73	815611	804245	<0.2	2.3	2.4				
						1.0	0.6	230	17.4	8.1	8.1	32.6	32.6	115.1	115.2	9.1	9.1	5.1	5.1	7	72	73	73									
					Middle	4.4	0.4	236	17.4	17.4	8.1	8.1	32.8	32.8	114.1	114.1	9.0	9.0	5.3	5.3	10	72	73	73	<0.2	2.3						
						4.4	0.4	258	17.4	17.4	8.1	8.1	32.8	32.8	114.0	114.1	9.0	9.0	5.5	5.5	12	73	73	73	<0.2	2.3						
					Bottom	7.7	0.3	245	17.4	17.4	8.1	8.1	33.3	33.3	112.2	112.2	8.8	8.8	6.2	6.2	15	75	75	75	<0.2	2.4						
						7.7	0.3	248	17.4	17.4	8.1	8.1	33.2	33.2	111.9	112.1	8.8	8.8	6.4	6.4	17	75	75	75	<0.2	2.8						
C2	Cloudy	Rough	06:45	11.5	Surface	1.0	0.7	178	18.4	7.9	7.9	27.7	27.7	113.5	113.5	9.0	9.0	5.2	5.2	9	72	73	73	825694	806957	<0.2	3.1	2.2				
						1.0	0.7	185	18.4	7.9	7.9	27.7	27.7	113.5	113.5	9.0	9.0	5.2	5.2	8	72	73	73	<0.2	2.7							
					Middle	5.8	0.4	176	18.3	18.3	8.0	8.0	31.0	31.0	113.3	113.3	8.9	8.9	5.4	5.4	9	73	74	74	<0.2	1.6						
						5.8	0.4	184	18.3	18.3	8.0	8.0	31.0	31.0	113.3	113.3	8.9	8.9	5.4	5.4	10	74	74	74	<0.2	1.8						
					Bottom	10.5	0.2	164	18.2	18.2	7.9	7.9	31.5	31.5	109.6	109.6	8.6	8.6	10.6	10.6	10	75	75	75	<0.2	1.8						
						10.5	0.3	164	18.2	18.2	7.9	7.9	31.5	31.5	109.6	109.6	8.6	8.6	10.6	10.6	10	75	75	75	<0.2	1.9						
C3	Cloudy	Moderate	04:50	11.9	Surface	1.0	0.1	58	17.9	7.9	7.9	33.3	33.3	111.6	111.6	8.7	8.7	3.7	3.7	8	73	73	73	822095	817791	<0.2	1.1	1.1				
						1.0	0.2	61	17.9	17.9	7.9	7.9	33.3	33.3	111.6	111.6	8.7	8.7	3.7	3.7	7	73	73	73	<0.2	1.0						
					Middle	6.0	0.2	61	17.9	17.9	7.9	7.9	33.4	33.4	110.4	110.4	8.6	8.6	3.9	3.9	9	75	75	75	<0.2	1.2						
						6.0	0.2	63	17.9	17.9	7.9	7.9	33.4	33.4	110.4	110.4	8.6	8.6	3.9	3.9	9	75	75	75	<0.2	1.1						
					Bottom	10.9	0.1	19	17.9	17.9	7.9	7.9	33.6	33.6	108.7	108.7	8.4	8.4	4.3	4.3	11	77	77	77	<0.2	1.2						
						10.9	0.1	20	17.9	17.9	7.9	7.9	33.6	33.6	108.7	108.7	8.4	8.4	4.3	4.3	9	76	76	76	<0.2	1.1						
IM1	Cloudy	Rough	06:34	7.2	Surface	1.0	0.3	190	17.5	8.1	8.1	32.2	32.2	116.0	116.0	9.1	9.1	7.1	7.1	10	72	73	73	818336	806438	<0.2	2.6	2.7				
						1.0	0.3	202	17.5	17.5	8.1	8.1	32.2	32.2	116.0	116.0	9.1	9.1	7.2	7.2	9	72	73	73	<0.2	2.8						
					Middle	3.6	0.3	177	17.5	17.5	8.1	8.1	32.4	32.4	114.2	114.1	9.0	9.0	7.3	7.3	10	73	73	73	<0.2	2.7						
						3.6	0.3	189	17.5	17.5	8.1	8.1	32.4	32.4	113.9	114.1	9.0	9.0	7.4	7.4	8	73	73	73	<0.2	2.9						
					Bottom	6.2	0.1	173	17.4	17.4	8.1	8.1	33.1	33.1	111.0	110.8	8.7	8.7	9.2	9.2	16	75	75	75	<0.2	2.5						
						6.2	0.1	180	17.5	17.5	8.1	8.1	33.1	33.1	110.6	110.8	8.7	8.7	8.9	8.9	14	75	75	75	<0.2	2.6						
IM2	Cloudy	Rough	06:43	8.2	Surface	1.0	0.5	220	17.6	8.2	8.2	31.3	31.3	115.4	115.5	9.1	9.1	10.9	10.9	15	73	73	73	818848	806207	<0.2	2.3	2.5				
						1.0	0.6	238	17.6	17.6	8.2	8.2	31.3	31.3	115.5	115.5	9.1	9.1	10.6	10.6	15	73	73	73	<0.2	2.4						
					Middle	4.1	0.3	194	17.6	17.6	8.2	8.2	31.9	31.9	114.9	114.8	9.1	9.1	9.2	9.2	15	74	74	74	<0.2	2.4						
						4.1	0.3	211	17.6	17.6	8.2	8.2	31.9	31.9	114.7	114.8	9.1	9.1	9.2	9.2	16	74	74	74	<0.2	2.6						
					Bottom	7.2	0.2	185	17.5	17.5	8.1	8.1	32.7	32.7	112.4	112.4	8.8	8.8	9.1	9.1	15	75	75	75	<0.2	2.7						
						7.2	0.2	203	17.5	17.5	8.1	8.1	32.7	32.7	112.3	112.4	8.8	8.8	9.1	9.1	16	75	75	75	<0.2	2.4						
IM3	Cloudy	Rough	06:52	8.1	Surface	1.0	0.6	225	17.6	8.2	8.2	31.0	31.0	114.1	114.1	9.0	9.0	9.6	9.6	9	73	73	73	819382	805995	<0.2	2.5	2.6				
						1.0	0.7	230	17.6	17.6	8.2	8.2	31.0	31.0	114.1	114.1	9.0	9.0	9.5	9.5	9	73	73	73	<0.2	2.4						
					Middle	4.1	0.4	213	17.6	17.6	8.2	8.2	31.2	31.2	113.7	113.7	9.0	9.0	11.7	11.7	10	74	74	74	<0.2	2.6						
						4.1	0.4	219	17.6	17.6	8.2	8.2	31.2	31.2	113.6	113.7	9.0	9.0	11.7	11.7	10	74	74	74	<0.2	2.8						
					Bottom	7.1	0.4	199	17.5	17.5	8.1	8.1	31.7	31.7	112.3	112.2	8.9	8.9	12.5	12.5	11	75	75	75	<0.2	2.6						
						7.1	0.4	204	17.5	17.5	8.1	8.1	31.7	31.7	112.1	112.1	8.9	8.9	12.3	12.3	10	75	75	75	<0.2	2.7						
IM4	Cloudy	Rough	07:00	7.6	Surface	1.0	0.4	204	17.7	8.1	8.1	30.5	30.5	112.1	112.1	8.9	8.9	7.2	7.2	7	73	73	73	819581	805066	<0.2	2.8	2.6				
						1.0	0.4	212	17.7	17.7	8.1	8.1	30.5	30.5	112.1	112.1	8.9	8.9	7.3	7.3	7	73	73	73	<0.2	2.5						
					Middle	3.8	0.4	189	17.7	17.7	8.1	8.1	31.0	31.0	111.4	111.3	8.8	8.8	7.6	7.6	8	75	75	75	<0.2	2.4						
						3.8	0.5	203	17.7	17.7	8.1	8.1	30.9	30.9	111.1	111.1	8.8	8.8	7.6	7.6	8	75	75	75	<0.2	2.8						
					Bottom	6.6	0.2	193	17.6	17.6	8.1	8.1	32.0	32.0	106.7	106.6	8.4	8.4	7.8	7.8	12	76	76	76	<0.2	2.5						
						6.6	0.2	201	17.6	17.6	8.1	8.1	32.0	32.0	106.5	106.6	8.4	8.4	7.7	7.7	11	76	76	76	<0.2	2.6						
IM5	Cloudy	Rough	07:09	6.8	Surface	1.0	0.6	207	17.9	8.1	8.1	29.8	29.8	113.5	113.6	9.0	9.0	5.4	5.4	8	73	73	73	820537	804899	<0.2	2.8	2.5				
						1.0	0.6	224	17.8	17.8	8.1	8.1	29.8	29.8	113.6	113.6	9.0	9.0	5.5	5.5	9	73	73	73	<0.2	2.6						
					Middle	3.4	0.5	203	17.9	17.9	8.1	8.1	30.0	30.0	114.1	114.1	9.1	9.1	6.4	6.4	7	75	75	75	<0.2	2.3						
						3.4	0.6	204	17.9	17.9	8.1	8.1	30.0	30.0	114.0	114.1	9.0	9.0	6.6	6.6	7	75	75	75	<0.2	2.2						
					Bottom	5.8	0.3	215	17.7	17.7	8.1	8.1	31.3	31.3	112.7	112.7	8.9	8.9	8.9	8.9	9	76	76	76	<0.2	2.3						
						5.8	0.4	215	17.7	17.7	8.1	8.1	31.2	31.2	112.2	112.5	8.9	8.9	8.9	8.9	8	76	76	76	<0.2	2.3						
IM6	Cloudy	Rough	07:19	6.6	Surface	1.0	0.6	217	18.0	8.1	8.1	29.3	29.3	113.4	113.4	9.0	9.0	4.9	4.9	7	73	73	73	821032	805848	<0.2	2.4	2.4				
						1.0	0.6	237	18.0	18.0	8.1	8.1	29.3	29.3	113.4	113.4	9.0	9.0	4.9	4.9	6	73	73	73	<0.2	2.4						
					Middle	3.3	0.4	219	17.9	17.9	8.1	8.1	30.0	30.0	112.7	112.7	8.9	8.9	5.8	5.8	7	75	75	75	<0.2	2.4						
						3.3	0.5	224	17.9	17.9	8.1	8.1	30.0	30.0	112.6	112.7	8.9	8.9	5.9	5.9	7	75	75	75	<0.2	2.4						
					Bottom	5.6	0.5	215	17.8	17.8	8.1	8.1	30.6	30.6	110.6	1																

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

Water Quality Monitoring Results on 25 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Rough	06:10	7.3	Surface	1.0	0.2	110	18.2	18.2	8.0	8.0	30.8	30.8	115.3	115.3	9.1	9.1	5.7	5.7	8	8	73	73	822101	808788	<0.2	1.6	<0.2	1.6			
						1.0	0.2	115	18.2	8.0	8.0	30.8	30.8	115.3	115.3	9.1	9.1	5.7	5.7	8	8	73	73	<0.2	1.7	<0.2	1.7						
					Middle	3.7	0.1	149	18.2	18.2	8.0	8.0	30.8	30.8	114.6	114.6	9.0	9.0	6.3	6.3	6	6	74	74	<0.2	1.6	<0.2	1.6	<0.2	1.6	<0.2	1.6	
						3.7	0.2	161	18.2	8.0	8.0	30.8	30.8	114.6	114.6	9.0	9.0	6.3	6.3	6	6	74	74	<0.2	1.5	<0.2	1.5						
					Bottom	6.3	0.2	82	17.9	17.9	8.0	8.0	32.3	32.3	112.6	112.6	8.8	8.8	9.1	9.1	8	8	75	75	<0.2	1.6	<0.2	1.6	<0.2	1.6	<0.2	1.6	
						6.3	0.3	85	17.9	8.0	8.0	32.3	32.3	112.6	112.6	8.8	8.8	9.1	9.1	8	8	75	75	<0.2	1.5	<0.2	1.5						
IM10	Cloudy	Rough	06:03	7.6	Surface	1.0	0.3	129	18.1	18.1	8.0	8.0	30.8	30.8	115.8	115.8	9.1	9.1	6.3	6.3	8	8	73	73	822215	809849	<0.2	1.5	<0.2	1.5			
						1.0	0.4	135	18.1	8.0	8.0	30.8	30.8	115.8	115.8	9.1	9.1	6.3	6.3	8	8	73	73	<0.2	1.6	<0.2	1.6						
					Middle	3.8	0.4	113	18.2	18.2	8.0	8.0	31.1	31.1	114.5	114.5	9.0	9.0	11.1	11.1	7	7	75	75	<0.2	1.8	<0.2	1.8	<0.2	1.6	<0.2	1.6	
						3.8	0.4	115	18.2	8.0	8.0	31.1	31.1	114.5	114.5	9.0	9.0	11.1	11.1	7	7	75	75	<0.2	1.6	<0.2	1.6						
					Bottom	6.6	0.4	98	18.1	18.1	8.0	8.0	31.8	31.8	111.9	111.9	8.8	8.8	12.8	12.8	7	7	76	76	<0.2	1.6	<0.2	1.6	<0.2	1.6	<0.2	1.6	
						6.6	0.4	100	18.1	8.0	8.0	31.8	31.8	111.9	111.9	8.8	8.8	12.8	12.8	7	7	75	75	<0.2	1.6	<0.2	1.6						
IM11	Cloudy	Rough	05:50	8.3	Surface	1.0	0.2	116	18.2	18.2	8.0	8.0	31.0	31.0	116.6	116.6	9.1	9.1	6.4	6.4	6	6	73	73	821475	810541	<0.2	1.6	<0.2	1.6			
						1.0	0.2	127	18.2	8.0	8.0	31.0	31.0	116.6	116.6	9.1	9.1	6.4	6.4	7	7	74	74	<0.2	1.6	<0.2	1.6						
					Middle	4.2	0.3	114	18.2	18.2	8.0	8.0	31.1	31.1	113.4	113.4	8.9	8.9	6.1	6.1	6	6	75	75	<0.2	1.6	<0.2	1.6	<0.2	1.6			
						4.2	0.3	116	18.2	8.0	8.0	31.1	31.1	113.4	113.4	8.9	8.9	6.1	6.1	6	6	75	75	<0.2	1.7	<0.2	1.7						
					Bottom	7.3	0.2	115	18.1	18.1	8.0	8.0	31.2	31.2	112.1	112.1	8.8	8.8	6.3	6.3	6	6	76	76	<0.2	1.6	<0.2	1.6	<0.2	1.6			
						7.3	0.2	123	18.1	8.0	8.0	31.2	31.2	112.1	112.1	8.8	8.8	6.3	6.3	6	6	76	76	<0.2	1.6	<0.2	1.6						
IM12	Cloudy	Rough	05:41	8.8	Surface	1.0	0.2	106	18.1	18.1	8.0	8.0	31.3	31.3	114.8	114.8	9.0	9.0	5.3	5.3	7	7	73	73	821187	811531	<0.2	1.4	<0.2	1.4			
						1.0	0.2	108	18.1	8.0	8.0	31.3	31.3	114.8	114.8	9.0	9.0	5.3	5.3	6	6	73	73	<0.2	1.4	<0.2	1.4						
					Middle	4.4	0.3	99	18.1	18.1	8.0	8.0	31.4	31.4	113.4	113.5	8.9	8.9	5.5	5.5	5	5	74	74	<0.2	1.5	<0.2	1.5					
						4.4	0.3	99	18.1	8.0	8.0	31.4	31.4	113.5	113.5	8.9	8.9	5.6	5.6	6	6	74	74	<0.2	1.5	<0.2	1.5						
					Bottom	7.8	0.2	105	18.1	18.1	8.0	8.0	31.4	31.4	111.3	111.3	8.7	8.7	6.4	6.4	5	5	75	75	<0.2	1.5	<0.2	1.5					
						7.8	0.2	106	18.1	8.0	8.0	31.4	31.4	111.3	111.3	8.7	8.7	6.4	6.4	6	6	75	75	<0.2	1.5	<0.2	1.5						
SR2	Cloudy	Moderate	05:13	3.8	Surface	1.0	0.3	56	18.2	18.2	8.0	8.0	31.3	31.3	114.2	114.2	8.9	8.9	5.9	5.9	7	7	73	73	821439	814146	<0.2	1.5	<0.2	1.5			
						1.0	0.3	56	18.2	8.0	8.0	31.3	31.3	114.2	114.2	8.9	8.9	5.9	5.9	5	5	74	74	<0.2	1.5	<0.2	1.5						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.8	0.2	33	18.2	18.2	8.0	8.0	31.7	31.7	111.5	111.5	8.7	8.7	5.5	5.5	6	6	75	75	<0.2	1.5	<0.2	1.5					
						2.8	0.2	35	18.2	8.0	8.0	31.7	31.7	111.5	111.5	8.7	8.7	5.5	5.5	6	6	75	75	<0.2	1.5	<0.2	1.5						
SR3	Cloudy	Rough	06:25	8.9	Surface	1.0	0.4	188	18.3	18.3	8.0	8.0	29.0	29.0	115.1	115.2	9.1	9.1	5.6	5.6	5	5	-	-	822124	807554	-	-	-	-			
						1.0	0.4	198	18.3	8.0	8.0	29.0	29.0	115.2	115.2	9.1	9.1	5.6	5.6	6	6	-	-	-	-	-	-						
					Middle	4.5	0.2	173	18.2	18.2	8.0	8.0	30.9	30.9	115.6	115.6	9.1	9.1	6.1	6.1	5	5	-	-	-	-	-	-	-	-	-		
						4.5	0.2	189	18.2	8.0	8.0	30.9	30.9	115.5	115.5	9.1	9.1	6.1	6.1	6	6	-	-	-	-	-	-	-	-				
					Bottom	7.9	0.0	117	18.1	18.1	8.0	8.0	31.7	31.7	112.6	112.6	8.8	8.8	7.4	7.4	7	7	-	-	-	-	-	-	-	-			
						7.9	0.0	128	18.1	8.0	8.0	31.7	31.7	112.6	112.6	8.8	8.8	7.4	7.4	7	7	-	-	-	-	-	-	-	-				
SR4A	Cloudy	Moderate	05:51	9.1	Surface	1.0	0.2	251	17.8	17.8	8.2	8.2	31.5	31.5	120.2	120.2	9.5	9.5	6.6	6.6	6	6	-	-	817178	807820	-	-	-	-			
						1.0	0.2	271	17.8	8.2	8.2	31.5	31.5	120.2	120.2	9.5	9.5	6.6	6.6	6	6	-	-	-	-	-	-						
					Middle	4.6	0.2	102	17.7	17.7	8.2	8.2	32.1	32.1	119.6	119.5	9.4	9.4	6.1	6.1	4	4	-	-	-	-	-	-	-				
						4.6	0.2	102	17.7	8.2	8.2	32.1	32.1	119.4	119.4	9.4	9.4	6.2	6.2	5	5	-	-	-	-	-	-						
					Bottom	8.1	0.1	32	17.6	17.6	8.1	8.1	32.8	32.8	117.2	117.0	9.2	9.2	6.5	6.5	6	6	-	-	-	-	-	-					
						8.1	0.1	32	17.6	8.1	8.1	32.8	32.8	116.7	116.7	9.1	9.1	6.7	6.7	6	6	-	-	-	-	-	-						
SR5A	Cloudy	Calm	05:32	4.9	Surface	1.0	0.0	346	18.1	18.1	8.3	8.3	30.7	30.7	123.6	123.6	9.7	9.7	7.2	7.2	7	7	-	-	816609	810690	-	-	-	-			
						1.0	0.0	318	18.1	8.3	8.3	30.7	30.7	123.5	123.5	9.7	9.7	7.2	7.2	6	6	-	-	-	-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.9	0.0	327	18.1	18.1	8.2	8.2	30.8	30.8	121.0	121.0	9.5	9.5	7.4	7.4	7	7	-	-	-	-	-	-					
						3.9	0.0	333	18.1	8.2	8.2	30.8	30.8	120.9	120.9	9.5	9.5	7.3	7.3	7	7	-	-	-	-	-	-						
SR6	Cloudy	Calm	05:04	4.4	Surface	1.0	0.1	39	17.9	17.9	8.2	8.2	30.3	30.3	120.2	120.1	9.5	9.5	8.0	8.0	8	8	-	-	817899	814633	-	-	-	-			
						1.0	0.1	41	17.9	8.2	8.2	30.3	30.3	120.0	120.1	9.5	9.5	8.0	8.0	8	8	-	-	-	-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.4	0.1																										

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

Water Quality Monitoring Results on 25 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
C1	Fine	Rough	12:16	8.7	Surface	1.0	0.4	41	17.5	17.5	8.2	8.2	32.7	32.7	121.2	121.2	9.5	9.5	9.4	9.5	7	7	72	72	815600	804237	<0.2	4.0	4.1	
						1.0	0.4	43	17.5	8.2	8.2	32.7	32.7	121.1	121.1	9.5	9.5	8	8	72	72	<0.2	3.9							
						4.4	0.4	41	17.5	8.1	8.1	33.1	33.1	118.1	118.1	9.3	9.3	7	7	73	73	<0.2	4.0							
					4.4	0.4	42	17.5	8.1	8.1	33.1	33.1	118.1	118.1	9.3	9.3	9	9	73	73	<0.2	4.3								
					7.7	0.4	41	17.5	8.1	8.1	33.1	33.1	117.4	117.4	9.2	9.2	8	8	75	75	<0.2	4.1								
					7.7	0.4	42	17.5	8.1	8.1	33.1	33.1	117.4	117.4	9.2	9.2	8	8	76	76	<0.2	4.2								
C2	Misty	Rough	11:06	10.9	Surface	1.0	0.2	216	18.4	18.4	7.8	7.8	25.7	25.7	108.8	108.8	8.8	8.8	8.7	5.7	7	7	71	71	825709	806950	<0.2	3.9	3.4	
						1.0	0.2	236	18.4	7.8	7.8	25.7	25.7	108.8	108.8	8.8	8.8	7	7	72	72	<0.2	4.0							
						5.5	0.2	269	18.4	7.9	7.9	30.4	30.4	109.4	109.4	8.6	8.6	6	6	73	73	<0.2	3.2							
					5.5	0.2	271	18.4	7.9	7.9	30.4	30.4	109.4	109.4	8.6	8.6	7	7	73	73	<0.2	3.4								
					9.9	0.2	343	18.3	7.9	7.9	31.2	31.2	106.9	106.9	8.4	8.4	8	8	75	75	<0.2	2.9								
					9.9	0.2	351	18.3	7.9	7.9	31.2	31.2	106.9	106.9	8.4	8.4	10	10	75	75	<0.2	3.0								
C3	Misty	Moderate	13:03	11.9	Surface	1.0	0.5	281	17.9	17.9	8.0	8.0	32.4	32.4	118.5	118.5	9.3	9.3	9.0	3.4	8	8	73	73	822114	817824	<0.2	1.2	1.1	
						1.0	0.5	298	17.9	8.0	8.0	32.4	32.4	118.5	118.5	9.3	9.3	9	9	73	73	<0.2	1.4							
						6.0	0.4	279	17.9	8.0	8.0	32.8	32.8	110.8	110.8	8.6	8.6	8	8	75	75	<0.2	1.1							
					6.0	0.4	285	17.9	8.0	8.0	32.8	32.8	110.8	110.8	8.6	8.6	7	7	76	76	<0.2	1.0								
					10.9	0.3	279	17.8	7.9	7.9	32.9	32.9	109.3	109.3	8.5	8.5	8.8	8.8	10	10	77	77	<0.2	1.1						
					10.9	0.3	296	17.8	7.9	7.9	32.9	32.9	109.3	109.3	8.5	8.5	8.8	8.8	9	9	77	77	<0.2	0.9						
IM1	Cloudy	Rough	11:56	7.4	Surface	1.0	0.4	331	17.8	17.8	8.2	8.2	32.1	32.1	126.5	126.5	9.9	9.9	9.9	9.5	8	8	72	72	818348	806454	<0.2	3.7	3.6	
						1.0	0.5	332	17.8	8.2	8.2	32.1	32.1	126.5	126.5	9.9	9.9	9.5	9.5	6	6	73	73	<0.2			3.6			
						3.7	0.4	344	17.8	8.2	8.2	32.1	32.1	124.7	124.7	9.8	9.8	11.4	11.4	10	10	73	73	<0.2			3.5			
					3.7	0.4	353	17.8	8.2	8.2	32.1	32.1	124.6	124.6	9.8	9.8	11.4	11.4	8	8	74	74	<0.2	3.5						
					6.4	0.3	349	17.7	8.2	8.2	32.2	32.2	123.1	123.1	9.7	9.7	14.3	14.3	11	11	75	75	<0.2	3.6						
					6.4	0.3	321	17.7	8.2	8.2	32.2	32.2	123.1	123.1	9.7	9.7	14.3	14.3	9	9	75	75	<0.2	3.6						
IM2	Cloudy	Rough	11:50	8.3	Surface	1.0	0.3	336	17.7	17.7	8.2	8.2	31.5	31.5	120.5	120.5	9.5	9.5	9.5	8.6	6	6	73	73	818878	806217	<0.2	3.8	3.9	
						1.0	0.3	309	17.7	8.2	8.2	31.5	31.5	120.5	120.5	9.5	9.5	8.4	8.4	7	7	73	73	<0.2			3.8			
						4.2	0.3	356	17.7	8.2	8.2	31.5	31.5	119.2	119.2	9.4	9.4	9.2	9.2	9	9	75	75	<0.2			4.2			
					4.2	0.3	328	17.7	8.2	8.2	31.5	31.5	119.2	119.2	9.4	9.4	9.2	9.2	7	7	75	75	<0.2	3.6						
					7.3	0.3	7	17.6	8.2	8.2	32.3	32.2	117.9	118.0	9.3	9.3	14.7	14.7	9	9	77	77	<0.2	4.1						
					7.3	0.3	7	17.6	8.2	8.2	32.2	32.2	118.0	118.0	9.3	9.3	14.7	14.7	8	8	77	77	<0.2	4.1						
IM3	Cloudy	Rough	11:41	8.2	Surface	1.0	0.2	288	18.1	18.1	8.2	8.2	29.3	29.3	122.9	122.9	9.8	9.8	9.5	6.7	6	6	73	73	819392	806011	<0.2	3.8	3.9	
						1.0	0.3	314	18.1	8.2	8.2	29.3	29.3	122.9	122.9	9.7	9.7	6.7	6.7	8	8	73	73	<0.2			4.0			
						4.1	0.3	322	17.7	8.2	8.2	31.3	31.3	117.6	117.6	9.3	9.3	9.4	9.4	6	6	75	75	<0.2			3.8			
					4.1	0.3	333	17.7	8.2	8.2	31.3	31.3	117.6	117.6	9.3	9.3	9.6	9.6	7	7	75	75	<0.2	4.0						
					7.2	0.3	335	17.6	8.2	8.2	31.9	31.9	117.0	117.0	9.2	9.2	9.3	9.3	8	8	76	76	<0.2	4.2						
					7.2	0.3	345	17.6	8.2	8.2	31.9	31.9	117.0	117.0	9.2	9.2	9.3	9.3	7	7	76	76	<0.2	3.8						
IM4	Cloudy	Rough	11:31	7.6	Surface	1.0	0.4	283	18.0	18.0	8.2	8.2	29.4	29.4	121.1	121.1	9.6	9.6	9.5	6.3	5	5	73	73	819563	805050	<0.2	3.7	3.7	
						1.0	0.4	308	18.0	8.2	8.2	29.4	29.4	121.0	121.0	9.6	9.6	6.4	6.4	6	6	73	73	<0.2			3.8			
						3.8	0.2	290	17.9	8.2	8.2	30.0	30.0	118.3	118.3	9.4	9.4	6.8	6.8	9	9	74	74	<0.2			3.7			
					3.8	0.2	316	17.9	8.2	8.2	30.0	30.0	118.3	118.3	9.4	9.4	6.9	6.9	8	8	74	74	<0.2	3.5						
					6.6	0.1	337	17.8	8.1	8.1	30.5	30.4	117.2	117.3	9.3	9.3	7.5	7.5	7	7	75	75	<0.2	3.6						
					6.6	0.1	310	17.8	8.2	8.1	30.4	30.4	117.4	117.3	9.3	9.3	7.2	7.2	7	7	75	75	<0.2	3.7						
IM5	Cloudy	Rough	11:23	6.8	Surface	1.0	0.3	297	18.1	18.1	8.1	8.1	28.7	28.7	119.1	119.1	9.5	9.5	9.4	6.8	7	7	72	72	820537	804922	<0.2	3.6	3.7	
						1.0	0.3	304	18.1	8.1	8.1	28.7	28.7	119.1	119.1	9.5	9.5	6.8	6.8	5	5	72	72	<0.2			3.7			
						3.4	0.3	326	18.0	8.1	8.1	29.4	29.4	116.7	116.7	9.3	9.3	8.1	8.1	7	7	73	73	<0.2			3.6			
					3.4	0.3	339	18.0	8.1	8.1	29.4	29.4	116.6	116.7	9.3	9.3	8.1	8.1	7	7	73	73	<0.2	3.6						
					5.8	0.3	328	17.9	8.1	8.1	30.0	30.0	117.1	117.1	9.3	9.3	8.2	8.2	7	7	75	75	<0.2	4.1						
					5.8	0.3	355	17.9	8.1	8.1	30.0	30.0	117.2	117.2	9.3	9.3	8.0	8.0	7	7	75	75	<0.2	3.8						
IM6	Cloudy	Rough	11:16	6.7	Surface	1.0	0.5	289	18.1	18.1	8.1	8.1	27.0	27.0	115.6	115.7	9.3	9.3	9.3	5.3	6	6	72	72	821036	805835	<0.2	3.1	3.1	
						1.0	0.5	275	18.1	8.1	8.1	27.0	27.0	115.7	115.7	9.3	9.3	5.3	5.3	5	5	72	72	<0.2			3.1			
						3.4	0.3	291	18.1	8.1	8.1	28.1	28.1	115.4	115.4	9.2	9.2	5.9	5.9	6	6	74	74	<0.2			3.1			
					3.4	0.3	291	18.1	8.1	8.1	28.1	28.1	115.4	115.4	9.2	9.2	5.9	5.9	6	6	74	74	<0.2	3.1						
					5.7	0.2	293	18.1	8.1	8.1	28.5	28.5	115.2	115.3	9.2	9.2	6.7	6.7	10	10	75	75	<0.2	3.2						
					5.7	0.2	308	18.1	8.1	8.1	28.5	28.5	115.3	115.3	9.2	9.2	6.6	6.6	12	12	74	74	<0.2	3.2						
IM7	Cloudy	Rough	11:06	7.8	Surface	1.0	0.5	244	18.1	18.1	8.0	8.0	26.5	26.5	112.7	112.8	9.1	9.1	9.2	5.5	7	7	72	72	821335	806817	<0.2	2.7	2.7	
						1.0	0.5	254	18.1	8.0	8.0	26.5	26.5	112.9	112.9	9.1	9.1	5.6	5.6	6	6	72	72	<0.2			2.7			
						3.9	0.4	251	18.1	8.0	8.0																			

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

Water Quality Monitoring Results on 25 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Misty	Rough	11:41	7.2	Surface	1.0	0.3	297	18.6	18.6	8.0	8.0	29.1	29.1	119.5	119.5	9.4	9.3	4.8	5.5	7	73	74	822117	808788	<0.2	<0.2	2.2	2.3			
						1.0	0.3	309	18.6	8.0	8.0	29.1	29.1	119.5	119.5	9.4	9.3	4.8	5.5	7	73	74	822117	808788	<0.2	<0.2	2.2	2.3				
					Middle	3.6	0.3	298	18.5	18.5	8.0	8.0	29.2	29.2	116.3	116.3	9.2	9.2	5.3	5.5	8	74	74	822117	808788	<0.2	<0.2	2.3	2.3			
						3.6	0.3	308	18.5	18.5	8.0	8.0	29.2	29.2	116.3	116.3	9.2	9.2	5.3	5.5	7	74	74	822117	808788	<0.2	<0.2	2.3	2.3			
					Bottom	6.2	0.3	309	18.4	18.4	8.0	8.0	29.6	29.6	113.5	113.5	8.9	8.9	6.4	9.0	11	75	75	822117	808788	<0.2	<0.2	1.8	1.8			
						6.2	0.4	335	18.4	18.4	8.0	8.0	29.6	29.6	113.5	113.5	8.9	8.9	6.4	9.0	9	75	75	822117	808788	<0.2	<0.2	2.3	2.3			
IM10	Misty	Rough	11:53	7.7	Surface	1.0	0.4	306	18.5	18.5	8.1	8.1	30.6	30.6	123.7	123.7	9.7	9.7	5.5	8.3	9	73	74	822235	809847	<0.2	<0.2	1.7	1.8			
						1.0	0.4	332	18.5	18.5	8.1	8.1	30.6	30.6	123.7	123.7	9.7	9.7	5.5	8.3	8	73	74	822235	809847	<0.2	<0.2	1.7	1.8			
					Middle	3.9	0.4	303	18.4	18.4	8.0	8.0	30.6	30.6	123.3	123.3	9.6	9.6	6.1	9.1	10	73	74	822235	809847	<0.2	<0.2	1.8	1.8			
						3.9	0.4	310	18.4	18.4	8.0	8.0	30.6	30.6	123.3	123.3	9.6	9.6	6.1	9.1	9	74	74	822235	809847	<0.2	<0.2	1.8	1.8			
					Bottom	6.7	0.3	302	18.4	18.4	8.0	8.0	30.6	30.6	117.7	117.7	9.2	9.2	13.3	9.2	10	75	75	822235	809847	<0.2	<0.2	1.8	1.8			
						6.7	0.3	311	18.4	18.4	8.0	8.0	30.6	30.6	117.7	117.7	9.2	9.2	13.3	9.2	9	75	75	822235	809847	<0.2	<0.2	2.0	2.0			
IM11	Misty	Rough	12:06	8.3	Surface	1.0	0.5	298	18.3	18.3	8.1	8.1	30.8	30.8	121.2	121.2	9.5	9.4	6.6	7.7	10	73	75	821500	810558	<0.2	<0.2	2.0	1.9			
						1.0	0.5	310	18.3	18.3	8.1	8.1	30.8	30.8	121.2	121.2	9.5	9.4	6.6	7.7	10	73	75	821500	810558	<0.2	<0.2	1.9	1.8			
					Middle	4.2	0.4	299	18.3	18.3	8.1	8.1	30.9	30.9	118.0	118.0	9.2	9.2	8.0	9.0	9	75	75	821500	810558	<0.2	<0.2	1.8	1.8			
						4.2	0.4	298	18.3	18.3	8.1	8.1	30.9	30.9	118.0	118.0	9.2	9.2	8.0	9.0	9	75	75	821500	810558	<0.2	<0.2	1.8	1.8			
					Bottom	7.3	0.4	293	18.2	18.2	8.1	8.1	30.9	30.9	114.9	114.9	9.0	9.0	8.5	10	76	76	821500	810558	<0.2	<0.2	1.9	1.9				
						7.3	0.4	297	18.2	18.2	8.1	8.1	30.9	30.9	114.9	114.9	9.0	9.0	8.5	11	77	77	821500	810558	<0.2	<0.2	1.9	1.9				
IM12	Misty	Rough	12:15	8.4	Surface	1.0	0.6	278	18.1	18.1	8.0	8.0	31.3	31.3	116.4	116.4	9.1	9.0	8.8	9.1	11	74	75	821175	811495	<0.2	<0.2	1.7	1.7			
						1.0	0.6	300	18.1	18.1	8.0	8.0	31.3	31.3	116.4	116.4	9.1	9.0	8.8	9.1	11	73	75	821175	811495	<0.2	<0.2	1.7	1.7			
					Middle	4.2	0.5	280	18.1	18.1	8.0	8.0	31.3	31.3	113.4	113.4	8.9	8.9	8.9	9.1	12	75	75	821175	811495	<0.2	<0.2	1.8	1.8			
						4.2	0.5	289	18.1	18.1	8.0	8.0	31.3	31.3	113.4	113.4	8.9	8.9	8.9	9.1	12	75	75	821175	811495	<0.2	<0.2	1.8	1.8			
					Bottom	7.4	0.4	281	18.1	18.1	8.0	8.0	31.4	31.4	111.8	111.8	8.8	8.8	9.5	11	75	75	821175	811495	<0.2	<0.2	1.6	1.6				
						7.4	0.4	301	18.1	18.1	8.0	8.0	31.4	31.4	111.8	111.8	8.8	8.8	9.5	11	76	76	821175	811495	<0.2	<0.2	1.5	1.5				
SR2	Misty	Rough	12:41	4.8	Surface	1.0	0.5	330	18.2	18.2	8.1	8.1	31.5	31.5	120.7	120.7	9.4	9.4	5.2	4.3	8	73	74	821470	814155	<0.2	<0.2	1.5	1.4			
						1.0	0.5	304	18.2	18.2	8.1	8.1	31.5	31.5	120.7	120.7	9.4	9.4	5.2	4.3	9	73	74	821470	814155	<0.2	<0.2	1.4	1.4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821470	814155	<0.2	<0.2	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821470	814155	<0.2	<0.2	-
					Bottom	3.8	0.5	328	18.1	18.1	8.1	8.1	31.6	31.6	116.0	116.0	9.1	9.1	3.3	9.1	8	75	75	821470	814155	<0.2	<0.2	1.5	1.5			
						3.8	0.5	329	18.1	18.1	8.1	8.1	31.6	31.6	116.0	116.0	9.1	9.1	3.3	9.1	8	75	75	821470	814155	<0.2	<0.2	1.4	1.4			
SR3	Misty	Rough	11:26	8.3	Surface	1.0	0.3	253	18.5	18.5	7.9	7.9	27.4	27.4	114.4	114.4	9.1	9.0	4.8	5.9	6	-	-	822155	807558	-	-	-	-			
						1.0	0.3	275	18.5	18.5	7.9	7.9	27.4	27.4	114.4	114.4	9.1	9.0	4.8	5.9	5	-	-	822155	807558	-	-	-	-			
					Middle	4.2	0.3	256	18.4	18.4	7.9	7.9	29.4	29.4	113.3	113.3	8.9	8.9	5.5	9.0	6	-	-	-	-	822155	807558	-	-	-	-	
						4.2	0.3	277	18.4	18.4	7.9	7.9	29.4	29.4	113.3	113.3	8.9	8.9	5.5	9.0	7	-	-	-	-	822155	807558	-	-	-	-	
					Bottom	7.3	0.2	280	18.4	18.4	8.0	8.0	29.8	29.8	112.2	112.2	8.8	8.8	7.3	8.8	7	-	-	-	-	-	822155	807558	-	-	-	-
						7.3	0.2	300	18.4	18.4	8.0	8.0	29.8	29.8	112.2	112.2	8.8	8.8	7.3	8.8	6	-	-	-	-	-	822155	807558	-	-	-	-
SR4A	Fine	Moderate	12:38	8.8	Surface	1.0	0.1	239	18.1	18.1	8.3	8.3	31.0	31.0	127.0	127.0	10.0	9.9	8.9	9.5	10	-	-	817200	807817	-	-	-	-			
						1.0	0.2	262	18.1	18.1	8.3	8.3	31.0	31.0	126.9	126.9	10.0	9.9	8.9	9.5	10	-	-	-	-	817200	807817	-	-	-	-	
					Middle	4.4	0.0	226	17.9	17.9	8.2	8.2	31.4	31.4	123.8	123.8	9.7	9.7	9.0	9.5	10	-	-	-	-	817200	807817	-	-	-	-	
						4.4	0.0	229	17.9	17.9	8.2	8.2	31.5	31.5	123.8	123.8	9.7	9.7	9.2	9.5	9	-	-	-	-	817200	807817	-	-	-	-	
					Bottom	7.8	0.2	59	17.7	17.7	8.2	8.2	32.3	32.3	122.6	122.6	9.6	9.6	10.7	9.6	11	-	-	-	-	-	817200	807817	-	-	-	-
						7.8	0.2	64	17.7	17.7	8.2	8.2	32.3	32.3	122.6	122.6	9.6	9.6	10.5	9.6	10	-	-	-	-	-	817200	807817	-	-	-	-
SR5A	Fine	Calm	12:56	5.2	Surface	1.0	0.1	325	18.1	18.1	8.4	8.4	30.7	30.7	130.9	130.9	10.3	10.3	9.7	9.1	12	-	-	816580	810673	-	-	-	-			
						1.0	0.1	335	18.1	18.1	8.4	8.4	30.7	30.7	130.8	130.8	10.3	10.3	9.7	9.1	11	-	-	-	-	816580	810673	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816580	810673	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816580	810673	-	-	-
					Bottom	4.2	0.1	307	18.1	18.1	8.3	8.3	30.7	30.7	127.9	127.9	10.1	10.1	8.5	10.1	16	-	-	-	-	-	816580	810673	-	-	-	-
						4.2	0.1	326	18.1	18.1	8.3	8.3	30.7	30.7	127.8	127.8	10.1	10.1														

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	08:38	8.7	Surface	1.0	0.1	232	17.3	17.3	8.1	8.1	32.2	32.2	113.1	113.1	9.0	8.8	4.3	4.9	4	5	73	75	815600	804233	<0.2	<0.2	1.3	0.9				
						1.0	0.1	253	17.3	8.1	8.1	32.2	32.2	113.1	113.1	8.9	8.8	4.4	4.9	4	5	73	75	815600	804233	<0.2	<0.2	1.2	0.9					
						4.4	0.1	210	17.4	17.4	8.1	8.1	33.8	33.8	111.4	111.4	8.7	8.8	4.8	4.9	6	5	75	75	815600	804233	<0.2	<0.2	0.8	0.9				
					4.4	0.1	228	17.4	17.4	8.1	8.1	33.8	33.8	111.4	111.4	8.7	8.8	4.8	4.9	4	5	75	75	815600	804233	<0.2	<0.2	0.6	0.9					
					7.7	0.1	222	17.4	17.4	8.1	8.1	33.9	33.9	110.0	110.0	8.6	8.6	5.6	8.6	6	5	77	77	815600	804233	<0.2	<0.2	0.8	0.9					
					7.7	0.1	229	17.4	17.4	8.1	8.1	33.9	33.9	110.0	110.0	8.6	8.6	5.6	8.6	6	5	77	77	815600	804233	<0.2	<0.2	0.7	0.9					
C2	Fine	Moderate	09:58	11.7	Surface	1.0	0.3	164	18.3	18.3	8.0	8.0	29.9	29.9	114.4	114.4	9.0	9.0	5.9	8.8	6	7	72	73	825710	806966	<0.2	<0.2	2.8	2.1				
						1.0	0.4	166	18.3	18.3	8.0	8.0	29.9	29.9	114.4	114.4	9.0	9.0	5.9	8.8	6	7	72	73	825710	806966	<0.2	<0.2	2.8	2.1				
						5.9	0.4	152	18.2	18.2	8.0	8.0	31.5	31.5	113.3	113.3	8.9	8.9	7.9	8.8	8	7	73	73	825710	806966	<0.2	<0.2	2.3	2.1				
					5.9	0.4	161	18.2	18.2	8.0	8.0	31.5	31.5	113.3	113.3	8.9	8.9	7.9	8.8	7	7	73	73	825710	806966	<0.2	<0.2	2.3	2.1					
					10.7	0.3	137	18.0	18.0	8.0	8.0	33.0	33.0	111.5	111.5	8.7	8.7	12.7	8.7	7	7	75	75	825710	806966	<0.2	<0.2	1.2	2.1					
					10.7	0.3	147	18.0	18.0	8.0	8.0	33.0	33.0	111.5	111.5	8.7	8.7	12.7	8.7	8	7	75	75	825710	806966	<0.2	<0.2	1.2	2.1					
C3	Fine	Moderate	07:50	12.2	Surface	1.0	0.1	89	17.8	17.8	8.0	8.0	33.8	33.8	112.7	112.7	8.8	8.7	3.0	3.5	6	5	73	75	822084	817777	<0.2	<0.2	1.1	1.2				
						1.0	0.1	92	17.8	17.8	8.0	8.0	33.8	33.8	112.7	112.7	8.8	8.7	3.0	3.5	4	5	73	75	822084	817777	<0.2	<0.2	1.3	1.2				
						6.1	0.2	84	17.8	17.8	8.0	8.0	34.2	34.2	111.0	111.0	8.6	8.6	3.8	3.5	4	5	75	75	822084	817777	<0.2	<0.2	1.2	1.2				
					6.1	0.2	87	17.8	17.8	8.0	8.0	34.2	34.2	111.0	111.0	8.6	8.6	3.8	3.5	5	5	76	75	822084	817777	<0.2	<0.2	1.0	1.2					
					11.2	0.2	97	17.8	17.8	8.0	8.0	34.3	34.3	109.9	109.9	8.5	8.5	3.6	3.5	6	5	76	77	822084	817777	<0.2	<0.2	1.1	1.2					
					11.2	0.2	99	17.8	17.8	8.0	8.0	34.3	34.3	109.9	109.9	8.5	8.5	3.6	3.5	5	5	77	77	822084	817777	<0.2	<0.2	1.3	1.2					
IM1	Fine	Moderate	09:00	7.3	Surface	1.0	0.1	192	17.6	17.6	8.2	8.2	31.4	31.4	118.8	118.8	9.4	9.3	5.1	5.6	6	8	73	75	818346	806484	<0.2	<0.2	2.0	1.6				
						1.0	0.1	201	17.6	17.6	8.2	8.2	31.4	31.4	118.7	118.7	9.4	9.3	5.1	5.6	6	8	73	75	818346	806484	<0.2	<0.2	2.2	1.6				
						3.7	0.2	153	17.6	17.6	8.1	8.1	33.2	33.2	116.9	116.9	9.1	9.1	5.6	5.6	8	8	75	75	818346	806484	<0.2	<0.2	1.7	1.6				
					3.7	0.2	156	17.6	17.6	8.1	8.1	33.2	33.2	116.9	116.9	9.1	9.1	5.7	5.6	8	8	75	75	818346	806484	<0.2	<0.2	1.8	1.6					
					6.3	0.1	153	17.7	17.7	8.1	8.1	33.2	33.2	116.9	116.9	9.1	9.1	6.1	5.6	10	8	77	75	818346	806484	<0.2	<0.2	1.0	1.6					
					6.3	0.2	154	17.7	17.7	8.1	8.1	33.2	33.2	116.9	116.9	9.1	9.1	6.1	5.6	11	8	77	75	818346	806484	<0.2	<0.2	1.0	1.6					
IM2	Fine	Moderate	09:05	8.3	Surface	1.0	0.1	179	17.6	17.6	8.1	8.1	31.0	31.0	118.8	118.8	9.4	9.3	5.7	6.6	8	8	73	75	818829	806216	<0.2	<0.2	1.9	1.6				
						1.0	0.1	179	17.6	17.6	8.1	8.1	31.0	31.0	118.8	118.8	9.4	9.3	5.6	6.6	7	8	73	75	818829	806216	<0.2	<0.2	1.9	1.6				
						4.2	0.2	159	17.7	17.7	8.1	8.1	33.1	33.1	116.5	116.5	9.1	9.1	6.2	6.6	7	8	75	75	818829	806216	<0.2	<0.2	2.0	1.6				
					4.2	0.2	168	17.7	17.7	8.1	8.1	33.1	33.1	116.4	116.4	9.1	9.1	6.2	6.6	8	8	75	75	818829	806216	<0.2	<0.2	1.8	1.6					
					7.3	0.1	167	17.7	17.7	8.1	8.1	33.1	33.1	114.4	114.4	8.9	8.9	8.0	6.6	8	8	77	75	818829	806216	<0.2	<0.2	1.0	1.6					
					7.3	0.1	174	17.7	17.7	8.1	8.1	33.1	33.1	114.4	114.4	8.9	8.9	8.1	6.6	8	8	77	75	818829	806216	<0.2	<0.2	1.0	1.6					
IM3	Fine	Moderate	09:13	8.2	Surface	1.0	0.2	193	17.5	17.5	8.1	8.1	31.3	31.3	119.5	119.5	9.5	9.4	5.0	6.5	8	8	73	75	819403	805996	<0.2	<0.2	1.7	1.3				
						1.0	0.2	197	17.5	17.5	8.1	8.1	31.3	31.3	119.5	119.5	9.5	9.4	5.0	6.5	7	8	75	75	819403	805996	<0.2	<0.2	1.6	1.3				
						4.1	0.2	155	17.7	17.7	8.1	8.1	32.6	32.6	118.0	118.0	9.3	9.3	7.2	6.5	7	8	75	75	819403	805996	<0.2	<0.2	1.2	1.3				
					4.1	0.2	159	17.7	17.7	8.1	8.1	32.6	32.6	118.0	118.0	9.3	9.3	7.3	6.5	6	8	75	75	819403	805996	<0.2	<0.2	1.2	1.3					
					7.2	0.1	121	17.7	17.7	8.1	8.1	33.0	33.0	116.4	116.4	9.1	9.1	7.2	6.5	8	8	77	75	819403	805996	<0.2	<0.2	1.0	1.3					
					7.2	0.1	125	17.7	17.7	8.1	8.1	33.0	33.0	116.4	116.4	9.1	9.1	7.2	6.5	10	8	77	75	819403	805996	<0.2	<0.2	1.0	1.3					
IM4	Fine	Moderate	09:21	7.7	Surface	1.0	0.2	196	17.5	17.5	8.1	8.1	30.9	30.9	119.4	119.4	9.5	9.4	4.5	5.4	3	8	73	75	819568	805065	<0.2	<0.2	1.8	1.3				
						1.0	0.2	200	17.5	17.5	8.1	8.1	30.9	30.9	119.4	119.4	9.5	9.4	4.4	5.4	5	8	73	75	819568	805065	<0.2	<0.2	1.9	1.3				
						3.9	0.3	159	17.7	17.7	8.1	8.1	32.9	32.9	118.3	118.3	9.3	9.3	5.2	5.4	7	8	75	75	819568	805065	<0.2	<0.2	1.2	1.3				
					3.9	0.3	170	17.7	17.7	8.1	8.1	32.9	32.9	118.4	118.4	9.3	9.3	5.3	5.4	8	8	75	75	819568	805065	<0.2	<0.2	1.1	1.3					
					6.7	0.2	185	17.7	17.7	8.1	8.1	33.1	33.1	117.2	117.2	9.2	9.2	6.6	6.6	13	8	77	75	819568	805065	<0.2	<0.2	0.9	1.3					
					6.7	0.2	196	17.7	17.7	8.1	8.1	33.1	33.1	117.2	117.2	9.2	9.2	6.6	6.6	10	8	77	75	819568	805065	<0.2	<0.2	1.1	1.3					
IM5	Fine	Moderate	09:29	6.9	Surface	1.0	0.3	200	17.6	17.6	8.1	8.1	31.1	31.1	119.2	119.2	9.5	9.4	4.8	6.0	5	9	73	75	820587	804931	<0.2	<0.2	1.7	1.4				
						1.0	0.3	219	17.6	17.6	8.1	8.1	31.1	31.1	119.2	119.2	9.5	9.4	4.8	6.0	6	9	75	75	820587	804931	<0.2	<0.2	1.8	1.4				
						3.5	0.3	192	17.7	17.7	8.1	8.1	32.8	32.8	117.7	117.7	9.2	9.2	6.8	6.0	9	9	75	75	820587	804931	<0.2	<0.2	1.3	1.4				
					3.5	0.3	208	17.7	17.7	8.1	8.1	32.8	32.8	117.6	117.6	9.2	9.2	6.8	6.0	10														

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value	Value	Value
IM9	Fine	Moderate	09:20	7.6	Surface	1.0	0.3	142	18.1	18.1	8.0	8.0	30.2	30.2	118.7	118.7	9.4	9.4	6.6	6.6	6	73	74	822119	808834	<0.2	<0.2	2.2	2.2					
						1.0	0.3	143	18.1	18.1	8.0	8.0	30.2	30.2	118.7	118.7	9.4	9.4	6.6	6.6	6	73	74	822119	808834	<0.2	<0.2	2.3	2.3					
						3.8	0.2	103	18.0	18.0	8.1	8.1	31.6	31.6	118.1	118.1	9.3	9.3	8.9	8.9	4	73	74	822119	808834	<0.2	<0.2	1.7	1.7					
					Middle	3.8	0.2	112	18.0	18.0	8.1	8.1	31.6	31.6	118.1	118.1	9.3	9.3	8.9	8.9	6	74	74	822119	808834	<0.2	<0.2	2.3	2.3					
						6.6	0.2	59	18.0	18.0	8.1	8.1	32.5	32.5	117.0	117.0	9.1	9.1	8.0	8.0	9	75	74	822119	808834	<0.2	<0.2	1.7	1.7					
						6.6	0.2	63	18.0	18.0	8.1	8.1	32.5	32.5	117.0	117.0	9.1	9.1	8.0	8.0	8	74	74	822119	808834	<0.2	<0.2	1.7	1.7					
IM10	Fine	Moderate	09:12	7.4	Surface	1.0	0.4	124	18.1	18.1	8.0	8.0	30.9	30.9	115.8	115.8	9.1	9.1	5.8	5.8	6	73	75	822218	809812	<0.2	<0.2	2.2	2.2					
						1.0	0.4	134	18.1	18.1	8.0	8.0	30.9	30.9	115.8	115.8	9.1	9.1	5.8	5.8	7	73	75	822218	809812	<0.2	<0.2	2.2	2.2					
						3.7	0.3	114	18.1	18.1	8.1	8.1	31.3	31.3	114.5	114.5	9.0	9.0	7.0	7.0	8	75	75	822218	809812	<0.2	<0.2	1.9	1.9					
					Middle	3.7	0.3	118	18.1	18.1	8.1	8.1	31.3	31.3	114.5	114.5	9.0	9.0	7.0	7.0	7	75	75	822218	809812	<0.2	<0.2	1.9	1.9					
						6.4	0.2	82	18.0	18.0	8.1	8.1	32.1	32.1	111.5	111.5	8.7	8.7	7.5	7.5	7	76	76	822218	809812	<0.2	<0.2	1.8	1.8					
						6.4	0.2	85	18.0	18.0	8.0	8.0	32.1	32.1	110.8	110.8	8.7	8.7	7.4	7.4	8	77	77	822218	809812	<0.2	<0.2	1.8	1.8					
IM11	Fine	Moderate	08:59	7.8	Surface	1.0	0.2	99	18.1	18.1	8.1	8.1	31.3	31.3	114.7	114.7	9.0	9.0	7.4	7.4	9	73	75	821497	810529	<0.2	<0.2	1.7	1.7					
						1.0	0.3	108	18.1	18.1	8.1	8.1	31.3	31.3	114.7	114.7	9.0	9.0	7.4	7.4	8	73	75	821497	810529	<0.2	<0.2	1.9	1.9					
						3.9	0.3	128	18.1	18.1	8.0	8.0	31.5	31.5	113.1	113.1	8.8	8.8	7.1	7.1	8	75	75	821497	810529	<0.2	<0.2	1.7	1.7					
					Middle	3.9	0.3	136	18.1	18.1	8.0	8.0	31.5	31.5	113.1	113.1	8.8	8.8	7.1	7.1	8	74	76	821497	810529	<0.2	<0.2	1.7	1.7					
						6.8	0.3	100	18.1	18.1	8.0	8.0	31.8	31.8	110.6	110.6	8.6	8.6	7.9	7.9	11	76	76	821497	810529	<0.2	<0.2	1.6	1.6					
						6.8	0.3	102	18.1	18.1	8.0	8.0	31.8	31.8	110.6	110.6	8.6	8.6	7.9	7.9	13	78	78	821497	810529	<0.2	<0.2	1.6	1.6					
IM12	Fine	Moderate	08:49	9.0	Surface	1.0	0.4	106	18.1	18.1	8.1	8.1	30.3	30.3	113.5	113.5	9.0	9.0	7.4	7.4	11	73	75	821160	811514	<0.2	<0.2	2.2	2.2					
						1.0	0.4	110	18.1	18.1	8.1	8.1	30.3	30.3	113.5	113.5	9.0	9.0	7.4	7.4	10	73	75	821160	811514	<0.2	<0.2	2.1	2.1					
						4.5	0.3	85	18.1	18.1	8.0	8.0	31.1	31.1	111.6	111.6	8.8	8.8	6.7	6.7	11	75	75	821160	811514	<0.2	<0.2	2.0	2.0					
					Middle	4.5	0.3	93	18.1	18.1	8.0	8.0	31.2	31.1	111.5	111.5	8.8	8.8	6.7	6.7	10	74	76	821160	811514	<0.2	<0.2	1.8	1.8					
						8.0	0.2	94	18.0	18.0	8.0	8.0	31.8	31.8	110.1	110.1	8.6	8.6	6.2	6.2	10	76	76	821160	811514	<0.2	<0.2	2.1	2.1					
						8.0	0.3	102	18.0	18.0	8.0	8.0	31.8	31.8	110.1	110.1	8.6	8.6	6.2	6.2	12	76	76	821160	811514	<0.2	<0.2	1.8	1.8					
SR2	Fine	Moderate	08:18	5.0	Surface	1.0	0.2	77	18.1	18.1	8.0	8.0	32.2	32.2	111.3	111.3	8.7	8.7	5.6	5.6	9	73	74	821492	814142	<0.2	<0.2	1.4	1.4					
						1.0	0.2	82	18.1	18.1	8.0	8.0	32.2	32.2	111.3	111.3	8.7	8.7	5.6	5.6	10	73	73	821492	814142	<0.2	<0.2	1.4	1.4					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821492	814142	<0.2	<0.2	1.4	1.4		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74	821492	814142	<0.2	<0.2	1.4	1.4		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	75	75	821492	814142	<0.2	<0.2	1.4	1.4
						4.0	0.1	65	18.0	18.0	8.0	8.0	33.0	33.0	108.9	108.9	8.5	8.5	5.7	5.7	9	75	75	821492	814142	<0.2	<0.2	1.4	1.4					
SR3	Fine	Moderate	09:35	9.2	Surface	1.0	0.3	196	18.2	18.2	8.0	8.0	30.1	30.1	117.2	117.2	9.2	9.2	5.8	5.8	6	-	-	822161	807594	-	-	-	-					
						1.0	0.3	203	18.2	18.2	8.0	8.0	30.1	30.1	117.2	117.2	9.2	9.2	5.8	5.8	4	-	-	822161	807594	-	-	-	-					
						4.6	0.3	208	18.1	18.1	8.0	8.0	32.0	32.0	115.4	115.4	9.0	9.0	11.5	11.5	5	-	-	822161	807594	-	-	-	-					
					Middle	4.6	0.3	212	18.1	18.1	8.0	8.0	32.0	32.0	115.4	115.4	9.0	9.0	11.5	11.5	7	-	-	822161	807594	-	-	-	-					
						8.2	0.1	28	18.0	18.0	8.0	8.0	32.9	32.9	113.6	113.6	8.8	8.8	19.4	19.4	10	-	-	822161	807594	-	-	-	-					
						8.2	0.1	28	18.0	18.0	8.0	8.0	32.9	32.9	113.6	113.6	8.8	8.8	19.4	19.4	8	-	-	822161	807594	-	-	-	-					
SR4A	Fine	Calm	08:16	8.4	Surface	1.0	0.3	77	17.7	17.7	8.2	8.2	31.4	31.4	119.0	119.0	9.4	9.4	6.4	6.4	6	-	-	817199	807804	-	-	-	-					
						1.0	0.3	79	17.7	17.7	8.2	8.2	31.4	31.4	119.0	119.0	9.4	9.4	6.5	6.5	6	-	-	817199	807804	-	-	-	-					
						4.2	0.3	67	17.7	17.7	8.1	8.1	32.6	32.6	117.0	117.0	9.2	9.2	8.9	8.9	10	-	-	817199	807804	-	-	-	-					
					Middle	4.2	0.4	70	17.7	17.7	8.1	8.1	32.6	32.6	116.9	116.9	9.2	9.2	8.9	8.9	10	-	-	817199	807804	-	-	-	-					
						7.4	0.2	66	17.7	17.7	8.1	8.1	32.7	32.7	114.9	114.9	9.0	9.0	8.7	8.7	12	-	-	817199	807804	-	-	-	-					
						7.4	0.2	71	17.7	17.7	8.1	8.1	32.7	32.7	114.8	114.8	9.0	9.0	8.7	8.7	10	-	-	817199	807804	-	-	-	-					
SR5A	Fine	Calm	07:58	4.8	Surface	1.0	0.1	133	17.9	17.9	8.2	8.2	31.4	31.4	121.5	121.5	9.6	9.6	5.1	5.1	5	-	-	816589	810716	-	-	-	-					
						1.0	0.1	135	17.9	17.9	8.2	8.2	31.4	31.4	121.5	121.5	9.6	9.6	5.1	5.1	4	-	-	816589	810716	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-				
						3.8	0.1	147	17.9	17.9	8.2	8.2	31.4	31.4	117.1	117.1	9.2	9.2	6.2	6.2	7	-	-	816589	810716	-	-	-	-					
						3.8	0.1	148	17.9	17.9	8.2	8.2	31.4	31.4	117.0	117.0	9.2	9.2	6.3	6.3	6	-	-	816589	810716	-	-	-	-					
SR6	Fine	Calm	07:36	4.4	Surface	1.0	0.1	79	17.7	17.7	8.0	8.0	30.2	30.2	1																			

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:08	8.9	Surface	1.0	0.2	29	17.6	17.6	8.1	8.1	32.8	32.8	119.3	119.3	9.4	9.1	4.1	8.0	6	75	75	815595	804254	<0.2	1.1	1.2		
						1.0	0.3	30	17.6	8.1	8.1	32.8	32.8	119.3	119.3	9.4	9.1	4.1	8.0	4	73	73	<0.2	1.1						
						4.5	0.3	36	17.4	8.0	8.0	33.9	33.9	111.4	111.5	8.7	8.7	7.7	8.0	4	75	75	<0.2	1.2						
					4.5	0.3	36	17.4	8.0	8.0	33.9	33.9	111.5	111.5	8.7	8.7	7.8	8.0	4	75	75	<0.2	1.1							
					7.9	0.3	42	17.3	8.1	8.1	34.0	34.0	112.0	112.1	8.8	8.8	12.1	8.0	12	77	77	<0.2	1.2							
					7.9	0.3	44	17.3	8.1	8.1	34.0	34.0	112.1	112.1	8.8	8.8	12.0	8.0	13	77	77	<0.2	1.4							
C2	Fine	Moderate	12:58	12.8	Surface	1.0	0.1	320	18.7	18.7	8.1	8.1	30.6	30.6	122.1	122.1	9.5	9.3	4.2	6.2	5	73	73	825699	806948	<0.2	2.5	2.1		
						1.0	0.1	330	18.7	8.1	8.1	30.6	30.6	122.1	122.1	9.5	9.3	4.2	6.2	6	72	72	<0.2	2.5						
						6.4	0.3	309	18.2	8.0	8.0	32.1	32.1	117.0	117.0	9.1	9.1	5.8	6.2	7	73	73	<0.2	2.1						
					6.4	0.3	315	18.2	8.0	8.0	32.1	32.1	117.0	117.0	9.1	9.1	5.8	6.2	6	74	74	<0.2	2.0							
					11.8	0.2	2	18.1	8.0	8.0	32.7	32.7	117.9	117.9	9.2	9.2	8.7	6.2	8	75	75	<0.2	1.7							
					11.8	0.2	2	18.1	8.0	8.0	32.7	32.7	117.9	117.9	9.2	9.2	8.7	6.2	6	75	75	<0.2	1.8							
C3	Fine	Moderate	15:00	12.3	Surface	1.0	0.3	265	17.9	17.9	8.0	8.0	33.0	33.0	114.9	114.9	9.0	8.9	3.5	6.1	5	73	73	822132	817793	<0.2	1.2	1.2		
						1.0	0.3	280	17.9	8.0	8.0	33.0	33.0	114.9	114.9	9.0	8.9	3.5	6.1	5	73	73	<0.2	1.2						
						6.2	0.3	266	17.8	8.0	8.0	33.4	33.4	112.7	112.7	8.8	8.8	5.1	6.1	4	75	75	<0.2	1.6						
					6.2	0.3	275	17.8	8.0	8.0	33.4	33.4	112.7	112.7	8.8	8.8	5.1	6.1	4	75	75	<0.2	1.3							
					11.3	0.2	270	17.8	8.0	8.0	33.5	33.5	113.2	113.2	8.8	8.8	9.6	6.1	7	77	77	<0.2	0.8							
					11.3	0.2	271	17.8	8.0	8.0	33.5	33.5	113.2	113.2	8.8	8.8	9.6	6.1	6	77	77	<0.2	0.8							
IM1	Cloudy	Moderate	13:46	7.7	Surface	1.0	0.2	333	17.8	17.8	8.1	8.1	32.9	32.9	126.7	126.7	9.9	9.8	5.5	6.7	5	74	74	818341	806456	<0.2	1.1	1.1		
						1.0	0.2	349	17.8	8.1	8.1	32.9	32.9	126.7	126.7	9.9	9.8	5.5	6.7	6	75	75	<0.2	1.2						
						3.9	0.3	9	17.8	8.1	8.1	32.9	32.9	123.0	123.0	9.6	9.6	6.0	6.7	6	75	75	<0.2	1.1						
					3.9	0.3	9	17.8	8.1	8.1	32.9	32.9	123.0	123.0	9.6	9.6	6.0	6.7	7	75	75	<0.2	1.0							
					6.7	0.2	25	17.6	8.1	8.1	33.4	33.4	120.7	120.7	9.4	9.4	8.7	6.7	16	77	77	<0.2	1.1							
					6.7	0.2	27	17.6	8.1	8.1	33.4	33.4	120.7	120.7	9.4	9.4	8.7	6.7	17	77	77	<0.2	1.0							
IM2	Cloudy	Moderate	13:45	8.5	Surface	1.0	0.2	339	17.8	17.8	8.1	8.1	32.8	32.8	126.8	126.8	9.9	9.8	5.8	6.6	6	74	74	818824	806219	<0.2	1.2	1.1		
						1.0	0.2	312	17.8	8.1	8.1	32.8	32.8	126.8	126.8	9.9	9.8	5.8	6.6	7	75	75	<0.2	1.0						
						4.3	0.3	4	17.8	8.1	8.1	32.9	32.9	124.5	124.5	9.7	9.7	5.1	6.6	9	76	76	<0.2	1.1						
					4.3	0.3	4	17.8	8.1	8.1	32.9	32.9	124.5	124.5	9.7	9.7	5.1	6.6	7	76	76	<0.2	1.1							
					7.5	0.2	16	17.6	8.1	8.1	33.4	33.4	117.9	117.9	9.2	9.2	8.8	6.6	9	79	79	<0.2	1.2							
					7.5	0.2	16	17.6	8.1	8.1	33.4	33.4	117.9	117.9	9.2	9.2	8.8	6.6	10	78	78	<0.2	1.2							
IM3	Cloudy	Moderate	13:30	8.7	Surface	1.0	0.2	316	17.8	17.8	8.1	8.1	32.3	32.3	126.0	126.0	9.9	9.7	6.7	8.4	8	74	74	819401	806038	<0.2	1.4	1.3		
						1.0	0.2	332	17.8	8.1	8.1	32.3	32.3	126.0	126.0	9.9	9.7	6.7	8.4	6	75	75	<0.2	1.4						
						4.4	0.2	9	17.7	8.1	8.1	32.6	32.6	120.7	120.7	9.5	9.5	7.5	8.4	7	76	76	<0.2	1.4						
					4.4	0.2	9	17.7	8.1	8.1	32.6	32.6	120.7	120.7	9.5	9.5	7.6	8.4	8	76	76	<0.2	1.2							
					7.7	0.2	21	17.7	8.1	8.1	33.0	33.0	118.5	118.6	9.3	9.3	11.0	8.4	15	78	78	<0.2	1.2							
					7.7	0.2	22	17.7	8.1	8.1	33.0	33.0	118.6	118.6	9.3	9.3	11.1	8.4	13	78	78	<0.2	1.2							
IM4	Cloudy	Moderate	13:22	8.0	Surface	1.0	0.2	286	17.8	17.8	8.2	8.2	31.5	31.5	128.1	128.1	10.1	9.8	5.2	7.6	7	74	74	819553	805041	<0.2	1.6	1.3		
						1.0	0.2	296	17.8	8.2	8.2	31.5	31.5	128.0	128.0	10.1	9.8	5.3	7.6	7	74	74	<0.2	1.3						
						4.0	0.2	354	17.7	8.1	8.1	32.4	32.4	120.9	120.9	9.5	9.5	6.6	7.6	8	76	76	<0.2	1.5						
					4.0	0.2	326	17.7	8.1	8.1	32.4	32.4	120.8	120.8	9.5	9.5	6.7	7.6	7	76	76	<0.2	1.4							
					7.0	0.2	13	17.7	8.1	8.1	33.1	33.1	118.7	118.7	9.3	9.3	10.9	7.6	13	78	78	<0.2	1.2							
					7.0	0.2	13	17.7	8.1	8.1	33.1	33.1	118.7	118.7	9.3	9.3	10.7	7.6	14	79	79	<0.2	1.0							
IM5	Cloudy	Moderate	13:13	7.1	Surface	1.0	0.2	298	17.9	17.9	8.2	8.2	31.4	31.4	126.6	126.6	10.0	9.8	6.8	7.4	9	73	73	820577	804935	<0.2	1.8	1.4		
						1.0	0.2	311	17.9	8.2	8.2	31.4	31.4	126.5	126.6	10.0	9.8	6.8	7.4	8	73	73	<0.2	1.8						
						3.6	0.2	300	17.7	8.1	8.1	32.1	32.1	122.4	122.4	9.6	9.6	6.6	7.4	11	75	75	<0.2	1.4						
					3.6	0.2	311	17.7	8.1	8.1	32.1	32.1	122.4	122.4	9.6	9.6	6.8	7.4	10	74	74	<0.2	1.3							
					6.1	0.2	285	17.7	8.1	8.1	32.8	32.8	119.4	119.4	9.3	9.3	8.7	7.4	34	78	78	<0.2	1.1							
					6.1	0.2	295	17.7	8.1	8.1	32.8	32.8	119.4	119.4	9.3	9.3	8.7	7.4	31	78	78	<0.2	1.1							
IM6	Cloudy	Moderate	13:06	7.0	Surface	1.0	0.2	319	18.1	18.1	8.2	8.2	30.3	30.3	131.1	131.1	10.3	10.1	4.8	6.2	7	73	73	821088	805817	<0.2	2.3	1.7		
						1.0	0.2	325	18.1	8.2	8.2	30.3	30.3	131.0	131.1	10.3	10.1	4.7	6.2	6	73	73	<0.2	2.3						
						3.5	0.2	10	17.9	8.1	8.1	31.0	31.0	125.7	125.7	9.9	9.9	5.8	6.2	8	75	75	<0.2	1.6						
					3.5	0.2	10	17.9	8.1	8.1	31.0	31.0	125.6	125.6	9.9	9.9	5.9	6.2	7	75	75	<0.2	1.7							
					6.0	0.2	47	17.7	8.1	8.1	32.6	32.6	122.5	122.6	9.6	9.6	8.0	6.2	12	78	78	<0.2	1.2							
					6.0	0.2	47	17.7	8.1	8.1	32.6	32.6	122.6	122.6	9.6	9.6	8.0	6.2	10	78	78	<0.2	1.2							
IM7	Cloudy	Moderate	12:56	8.4	Surface	1.0	0.2	259	18.3	18.3	8.2	8.2	30.1	30.1	128.3	128.3	10.1	9.8	4.7	5.6	7	73	73	821373	806846	<0.2	2.0	2.0		
						1.0	0.2	284	18.3	8.2	8.2	30.1	30.1	128.3	128.3	10.1	9.8	4.7	5.6	8	74	74	<0.2	2.5						
						4.2	0.1	351	17.8	8.1	8.1	31.3	31.3	121.4	121.3	9.6	9.6	5.3	5.6	8	76	76	<0.2	2.2						
					4.2	0.1	323	17.8	8.1	8.1	31.3	31.3																		

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Fine	Moderate	13:34	7.5	Surface	1.0	0.3	299	18.4	18.4	8.1	8.1	30.8	30.8	128.3	128.3	10.0	9.9	5.1	5.3	8	7	73	74	822103	808839	<0.2	<0.2	1.9	2.0			
						1.0	0.3	327	18.4	8.1	8.1	30.8	30.8	128.3	128.3	10.0	9.9	5.1	5.3	6	7	73	74	74	74	<0.2	<0.2	2.0	2.0				
					Middle	3.8	0.2	300	18.2	18.2	8.1	8.1	31.1	31.1	125.0	125.0	9.8	9.7	5.4	5.3	6	7	74	74	74	74	<0.2	<0.2	2.0	2.0			
						3.8	0.3	314	18.2	18.2	8.1	8.1	31.1	31.1	125.0	125.0	9.8	9.7	5.4	5.3	8	7	74	74	74	74	<0.2	<0.2	2.0	2.0			
					Bottom	6.5	0.2	314	18.3	18.3	8.1	8.1	31.2	31.2	123.6	123.6	9.7	9.7	5.3	5.3	7	7	75	75	75	75	<0.2	<0.2	2.0	2.0			
						6.5	0.2	322	18.3	18.3	8.1	8.1	31.2	31.2	123.6	123.6	9.7	9.7	5.3	5.3	8	7	75	75	75	75	<0.2	<0.2	2.0	2.0			
IM10	Fine	Moderate	13:44	7.8	Surface	1.0	0.3	300	18.3	18.3	8.1	8.1	31.0	31.0	126.6	126.6	9.9	9.8	5.8	6.2	7	7	73	75	822253	809852	<0.2	<0.2	1.9	1.8			
						1.0	0.4	329	18.3	18.3	8.1	8.1	31.0	31.0	126.6	126.6	9.9	9.7	5.8	6.2	6	7	73	75	75	75	<0.2	<0.2	1.9	1.8			
					Middle	3.9	0.2	321	18.2	18.2	8.1	8.1	31.2	31.2	123.5	123.5	9.7	9.7	6.9	6.9	5	7	75	75	75	75	<0.2	<0.2	1.8	1.8			
						3.9	0.3	324	18.2	18.2	8.1	8.1	31.3	31.2	123.4	123.5	9.7	9.7	6.9	6.9	7	7	75	75	75	75	<0.2	<0.2	1.9	1.8			
					Bottom	6.8	0.2	316	18.1	18.1	8.1	8.1	31.9	31.9	121.8	121.8	9.5	9.5	5.9	5.9	8	7	77	77	77	77	<0.2	<0.2	1.8	1.8			
						6.8	0.2	345	18.1	18.1	8.1	8.1	31.9	31.9	121.8	121.8	9.5	9.5	5.9	5.9	9	7	77	77	77	77	<0.2	<0.2	1.7	1.7			
IM11	Fine	Moderate	13:58	7.2	Surface	1.0	0.4	279	18.2	18.2	8.1	8.1	31.3	31.3	120.6	120.6	9.4	9.3	5.9	6.6	7	7	73	75	821526	810527	<0.2	<0.2	1.8	1.8			
						1.0	0.4	303	18.2	18.2	8.1	8.1	31.3	31.3	120.6	120.6	9.4	9.3	5.9	6.6	6	7	73	75	75	75	<0.2	<0.2	1.8	1.8			
					Middle	3.6	0.4	293	18.2	18.2	8.1	8.1	31.5	31.5	116.2	116.2	9.1	9.1	6.5	6.5	7	7	75	75	75	75	<0.2	<0.2	1.8	1.8			
						3.6	0.4	289	18.2	18.2	8.1	8.1	31.5	31.5	116.2	116.2	9.1	9.1	6.5	6.5	7	7	75	75	75	75	<0.2	<0.2	1.8	1.8			
					Bottom	6.2	0.3	288	18.0	18.0	8.0	8.0	32.4	32.4	115.7	115.7	9.0	9.0	7.3	7.3	7	7	76	76	76	76	<0.2	<0.2	1.8	1.8			
						6.2	0.3	311	18.0	18.0	8.0	8.0	32.4	32.4	115.7	115.7	9.0	9.0	7.3	7.3	6	7	77	77	77	77	<0.2	<0.2	1.8	1.8			
IM12	Fine	Moderate	14:07	9.1	Surface	1.0	0.5	276	18.1	18.1	8.1	8.1	31.6	31.6	119.5	119.5	9.3	9.2	5.6	5.7	8	8	73	74	821178	811533	<0.2	<0.2	1.5	1.6			
						1.0	0.5	278	18.1	18.1	8.1	8.1	31.6	31.6	119.5	119.5	9.3	9.2	5.6	5.7	8	8	73	74	74	74	<0.2	<0.2	1.6	1.6			
					Middle	4.6	0.4	277	18.1	18.1	8.1	8.1	31.8	31.8	116.7	116.7	9.1	9.1	5.7	5.7	6	7	73	73	74	74	<0.2	<0.2	1.6	1.6			
						4.6	0.5	291	18.1	18.1	8.1	8.1	31.8	31.8	116.7	116.7	9.1	9.1	5.7	5.7	7	7	74	74	74	74	<0.2	<0.2	1.8	1.8			
					Bottom	8.1	0.4	275	18.0	18.0	8.0	8.0	32.4	32.4	117.0	117.0	9.1	9.1	5.8	5.8	9	7	76	77	76	77	<0.2	<0.2	1.5	1.5			
						8.1	0.4	287	18.0	18.0	8.0	8.0	32.4	32.4	117.0	117.0	9.1	9.1	5.8	5.8	7	7	77	77	77	77	<0.2	<0.2	1.5	1.5			
SR2	Fine	Moderate	14:37	4.1	Surface	1.0	0.1	48	18.1	18.1	8.1	8.1	31.8	31.8	120.3	120.3	9.4	9.4	6.7	7.3	8	8	73	74	821455	814145	<0.2	<0.2	1.5	1.5			
						1.0	0.1	49	18.1	18.1	8.1	8.1	31.8	31.8	120.3	120.3	9.4	9.4	6.7	7.3	8	8	73	74	74	74	<0.2	<0.2	1.5	1.5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.1	0.1	132	18.0	18.0	8.0	8.0	32.5	32.5	118.4	118.4	9.2	9.2	7.8	7.8	9	7	75	75	75	75	<0.2	<0.2	1.9	1.9			
						3.1	0.1	135	18.0	18.0	8.0	8.0	32.5	32.5	118.4	118.4	9.2	9.2	7.8	7.8	7	7	75	75	75	75	<0.2	<0.2	2.1	2.1			
SR3	Fine	Moderate	13:20	9.0	Surface	1.0	0.2	275	18.5	18.5	8.1	8.1	30.9	30.9	123.1	123.1	9.6	9.5	4.9	5.4	6	7	-	-	822164	807569	-	-	-	-			
						1.0	0.2	295	18.5	18.5	8.1	8.1	30.9	30.9	123.1	123.1	9.6	9.5	4.9	5.4	5	7	-	-	-	-	-	-	-	-	-		
					Middle	4.5	0.1	291	18.2	18.2	8.0	8.0	31.7	31.7	121.1	121.1	9.4	9.4	5.2	5.2	6	7	-	-	-	-	-	-	-	-	-	-	-
						4.5	0.1	313	18.2	18.2	8.0	8.0	31.7	31.7	121.1	121.1	9.4	9.4	5.2	5.2	5	7	-	-	-	-	-	-	-	-	-	-	-
					Bottom	8.0	0.2	2	18.0	18.0	8.0	8.0	33.5	33.5	119.5	119.5	9.3	9.3	6.1	6.1	11	10	-	-	-	-	-	-	-	-	-	-	-
						8.0	0.2	2	18.0	18.0	8.0	8.0	33.5	33.5	119.5	119.5	9.3	9.3	6.1	6.1	10	10	-	-	-	-	-	-	-	-	-	-	-
SR4A	Cloudy	Calm	14:28	9.2	Surface	1.0	0.1	259	18.0	18.0	8.2	8.2	31.8	31.8	124.8	124.8	9.8	9.6	6.1	8.3	8	10	-	-	817185	807787	-	-	-	-			
						1.0	0.1	271	18.0	18.0	8.2	8.2	31.8	31.8	124.7	124.7	9.8	9.6	6.2	8.3	7	10	-	-	-	-	-	-	-	-	-		
					Middle	4.6	0.1	286	17.8	17.8	8.1	8.1	32.4	32.4	118.6	118.6	9.3	9.3	8.1	8.1	8	10	-	-	-	-	-	-	-	-	-	-	
						4.6	0.1	302	17.8	17.8	8.1	8.1	32.4	32.4	118.6	118.6	9.3	9.3	8.2	8.2	8	10	-	-	-	-	-	-	-	-	-	-	
					Bottom	8.2	0.2	77	17.7	17.7	8.1	8.1	33.2	33.2	116.8	116.8	9.1	9.1	10.8	10.8	13	14	-	-	-	-	-	-	-	-	-	-	
						8.2	0.2	81	17.7	17.7	8.1	8.1	33.2	33.2	116.8	116.8	9.1	9.1	10.4	10.4	13	14	-	-	-	-	-	-	-	-	-		
SR5A	Cloudy	Calm	14:46	5.7	Surface	1.0	0.1	231	18.0	18.0	8.2	8.2	31.4	31.4	127.0	126.9	10.0	10.0	5.6	5.6	9	9	-	-	816605	810701	-	-	-	-			
						1.0	0.1	233	18.0	18.0	8.2	8.2	31.4	31.4	126.8	126.8	10.0	10.0	5.6	5.6	8	9	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.7	0.0	221	18.0	18.0	8.2	8.2	31.4	31.4	122.7	122.6	9.6	9.6	5.6	5.6	8	9	-	-	-	-	-	-	-	-	-		
						4.7	0.0	232	18.0	18.0	8.2	8.2	31.4	31.4	122.5	122.6	9.6	9.6	5.6	5.6	9	9	-	-	-	-	-	-	-	-			
SR6	Cloudy	Calm																															

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

Water Quality Monitoring Results on 30 January 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	11:39	8.5	Surface	1.0	0.3	194	15.8	8.0	8.0	34.1	98.7	98.7	7.9	8.0	13.4	12	73	75	815598	804260	<0.2	<0.2	0.6	0.6	0.7			
						1.0	0.3	195	15.8	8.0	8.0	34.1	98.7	98.7	7.9	13.5	12	73	75	815598	804260	<0.2	<0.2	0.6	0.6					
						4.3	0.2	181	15.9	15.9	8.0	8.0	34.1	99.0	99.1	8.0	13.9	12	75	76	815598	804260	<0.2	<0.2	0.6	0.6				
					4.3	0.2	192	15.9	15.9	8.0	8.0	34.1	99.1	99.1	8.0	13.9	14	76	76	815598	804260	<0.2	<0.2	0.6	0.6					
					7.5	0.3	172	15.9	15.9	7.9	7.9	34.1	101.3	101.3	8.1	16.8	12	76	76	815598	804260	<0.2	<0.2	0.6	0.6					
					7.5	0.3	175	15.9	15.9	7.9	7.9	34.1	101.3	101.3	8.1	16.8	12	77	77	815598	804260	<0.2	<0.2	1.3	1.3					
C2	Cloudy	Moderate	10:31	10.5	Surface	1.0	0.1	333	16.6	8.0	8.0	33.1	102.1	102.1	8.1	8.4	8	72	73	825652	806936	<0.2	<0.2	1.3	1.3	1.3				
						1.0	0.2	356	16.6	16.6	8.0	8.0	33.1	102.1	102.1	8.2	8.4	6	72	73	825652	806936	<0.2	<0.2	1.3		1.3			
						5.3	0.1	333	16.6	16.6	8.0	8.0	33.0	102.8	102.8	8.2	9.6	10	73	73	825652	806936	<0.2	<0.2	1.3		1.3			
					5.3	0.1	352	16.6	16.6	8.0	8.0	33.0	102.8	102.8	8.2	9.6	8	73	73	825652	806936	<0.2	<0.2	1.3	1.3					
					9.5	0.3	28	16.6	16.6	8.0	8.0	33.0	103.3	103.3	8.2	9.6	8	75	75	825652	806936	<0.2	<0.2	1.4	1.4					
					9.5	0.3	29	16.6	16.6	8.0	8.0	33.0	103.3	103.3	8.2	9.6	9	75	75	825652	806936	<0.2	<0.2	1.2	1.2					
C3	Cloudy	Moderate	12:27	11.7	Surface	1.0	0.5	99	16.7	8.0	8.0	34.7	102.1	102.1	8.0	4.2	5	73	75	822134	817830	<0.2	<0.2	0.6	0.6	0.6				
						1.0	0.5	99	16.7	16.7	8.0	8.0	34.7	102.1	102.1	8.0	4.2	4	73	75	822134	817830	<0.2	<0.2	0.6		0.6			
						5.9	0.4	94	16.8	16.8	8.0	8.0	34.8	102.4	102.4	8.1	5.7	5	75	75	822134	817830	<0.2	<0.2	0.6		0.6			
					5.9	0.5	101	16.8	16.8	8.0	8.0	34.8	102.4	102.4	8.1	5.7	7	75	75	822134	817830	<0.2	<0.2	0.6	0.6					
					10.7	0.4	82	16.8	16.8	7.9	7.9	34.9	103.9	103.9	8.2	7.4	6	77	77	822134	817830	<0.2	<0.2	0.5	0.5					
					10.7	0.4	87	16.8	16.8	7.9	7.9	34.9	103.9	103.9	8.2	7.4	7	77	77	822134	817830	<0.2	<0.2	0.5	0.5					
IM1	Cloudy	Moderate	11:20	7.7	Surface	1.0	0.1	301	15.6	8.1	8.1	33.3	99.7	99.7	8.1	9.9	10	72	73	818365	806447	<0.2	<0.2	0.9	0.9	0.9				
						1.0	0.1	326	15.6	15.6	8.1	8.1	33.3	99.7	99.7	8.1	10.0	10	72	73	818365	806447	<0.2	<0.2	0.9		0.9			
						3.9	0.1	35	15.7	15.7	8.1	8.1	33.5	100.0	100.0	8.1	9.4	11	73	73	818365	806447	<0.2	<0.2	0.9		0.9			
					3.9	0.1	37	15.7	15.7	8.1	8.1	33.5	100.0	100.0	8.1	9.3	11	73	73	818365	806447	<0.2	<0.2	1.0	1.0					
					6.7	0.2	37	15.7	15.7	8.1	8.0	33.6	100.5	100.6	8.1	9.7	10	75	75	818365	806447	<0.2	<0.2	1.0	1.0					
					6.7	0.2	37	15.7	15.7	8.0	8.0	33.6	100.6	100.6	8.1	9.8	9	75	75	818365	806447	<0.2	<0.2	0.9	0.9					
IM2	Cloudy	Moderate	11:15	8.7	Surface	1.0	0.1	328	15.7	8.1	8.1	33.3	99.7	99.7	8.1	9.5	8	73	75	818842	806175	<0.2	<0.2	0.9	0.9	0.9				
						1.0	0.1	353	15.7	15.7	8.1	8.1	33.3	99.7	99.7	8.1	9.7	7	73	73	818842	806175	<0.2	<0.2	0.9		0.9			
						4.4	0.2	27	15.8	15.8	8.1	8.1	33.8	99.8	99.8	8.1	11.8	9	74	74	818842	806175	<0.2	<0.2	0.9		0.9			
					4.4	0.2	28	15.8	15.8	8.1	8.1	33.8	99.8	99.8	8.1	11.9	9	74	74	818842	806175	<0.2	<0.2	0.9	0.9					
					7.7	0.2	44	15.8	15.8	8.0	7.9	34.0	101.4	101.5	8.2	14.2	9	75	75	818842	806175	<0.2	<0.2	0.8	0.8					
					7.7	0.2	44	15.8	15.8	7.9	7.9	34.0	101.5	101.5	8.2	14.2	9	76	76	818842	806175	<0.2	<0.2	0.8	0.8					
IM3	Cloudy	Moderate	11:07	8.3	Surface	1.0	0.2	62	15.8	8.1	8.1	34.0	99.0	99.0	8.0	13.0	11	73	75	819432	805990	<0.2	<0.2	0.6	0.6	0.6				
						1.0	0.2	64	15.8	15.8	8.1	8.1	34.0	99.0	99.0	8.0	13.2	11	73	73	819432	805990	<0.2	<0.2	0.6		0.6			
						4.2	0.3	32	15.8	15.8	8.1	8.0	34.0	99.3	99.3	8.0	17.2	12	74	74	819432	805990	<0.2	<0.2	0.5		0.5			
					4.2	0.3	32	15.8	15.8	8.0	8.0	34.0	99.3	99.3	8.0	15.0	11	74	74	819432	805990	<0.2	<0.2	0.6	0.6					
					7.3	0.2	35	15.9	15.9	7.9	7.9	34.1	101.2	101.2	8.1	19.7	11	75	75	819432	805990	<0.2	<0.2	0.6	0.6					
					7.3	0.2	38	15.9	15.9	7.9	7.9	34.1	101.2	101.2	8.2	19.7	10	75	75	819432	805990	<0.2	<0.2	0.7	0.7					
IM4	Cloudy	Moderate	10:59	7.8	Surface	1.0	0.2	76	15.8	8.1	8.1	34.0	98.4	98.4	7.9	15.1	13	73	75	819540	805025	<0.2	<0.2	0.6	0.6	0.6				
						1.0	0.2	76	15.8	15.8	8.1	8.1	34.1	98.4	98.4	7.9	15.1	13	73	73	819540	805025	<0.2	<0.2	0.6		0.6			
						3.9	0.2	55	15.8	15.8	8.1	8.1	34.1	98.3	98.4	7.9	16.8	15	75	75	819540	805025	<0.2	<0.2	0.6		0.6			
					3.9	0.2	58	15.8	15.8	8.1	8.1	34.1	98.4	98.4	7.9	17.0	15	75	75	819540	805025	<0.2	<0.2	0.6	0.6					
					6.8	0.1	337	15.8	15.8	8.0	8.0	34.1	98.8	98.8	8.0	21.5	14	76	76	819540	805025	<0.2	<0.2	0.6	0.6					
					6.8	0.1	350	15.8	15.8	8.0	8.0	34.1	98.8	98.8	8.0	21.6	15	77	77	819540	805025	<0.2	<0.2	0.5	0.5					
IM5	Cloudy	Moderate	10:49	7.0	Surface	1.0	0.2	76	15.7	8.1	8.1	33.4	99.7	99.7	8.1	10.9	12	73	75	820574	804943	<0.2	<0.2	0.8	0.8	0.8				
						1.0	0.2	82	15.7	15.7	8.1	8.1	33.4	99.7	99.7	8.1	10.9	11	73	73	820574	804943	<0.2	<0.2	0.8		0.8			
						3.5	0.2	46	15.7	15.7	8.1	8.1	33.5	99.4	99.4	8.1	11.7	12	75	75	820574	804943	<0.2	<0.2	0.7		0.7			
					3.5	0.2	46	15.7	15.7	8.1	8.1	33.5	99.4	99.4	8.0	11.7	12	75	75	820574	804943	<0.2	<0.2	0.8	0.8					
					6.0	0.3	27	15.8	15.8	8.0	8.0	34.0	100.0	100.0	8.1	18.6	11	76	76	820574	804943	<0.2	<0.2	0.8	0.8					
					6.0	0.3	28	15.8	15.8	8.0	8.0	34.0	100.9	100.5	8.1	18.9	11	76	76	820574	804943	<0.2	<0.2	0.8	0.8					
IM6	Cloudy	Moderate	10:40	7.1	Surface	1.0	0.2	58	15.7	8.1	8.1	33.5	99.9	100.0	8.1	13.0	12	72	73	821034	805851	<0.2	<0.2	0.8	0.8	0.8				
						1.0	0.2	61	15.7	15.7	8.1	8.1	33.5	100.0	100.0	8.1	13.2	11	72	72	821034	805851	<0.2	<0.2	0.7		0.7			
						3.6	0.2	65	15.8	15.8	8.1	8.1	33.5	100.4	100.5	8.1	14.0	11	73	73	821034	805851	<0.2	<0.2	0.8		0.8			
					3.6	0.2	65	15.7	15.7	8.1	8.1	33.5	100.5	100.5	8.1	14.0	10	74	74	821034	805851	<0.2	<0.2	0.9	0.9					
					8.1	0.2	41	15.8	15.8	7.9	7.9	33.5	101.4	101.5	8.2	15.2	13	75	75	821034	805851									

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

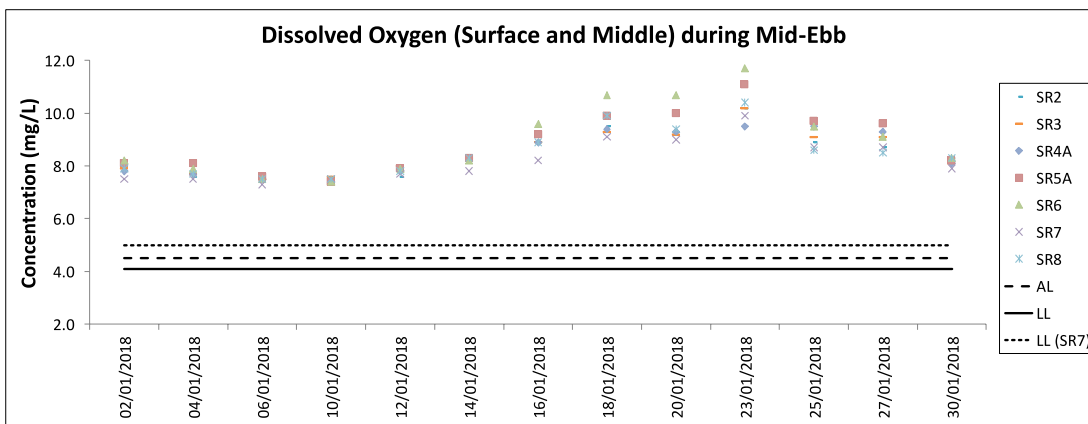
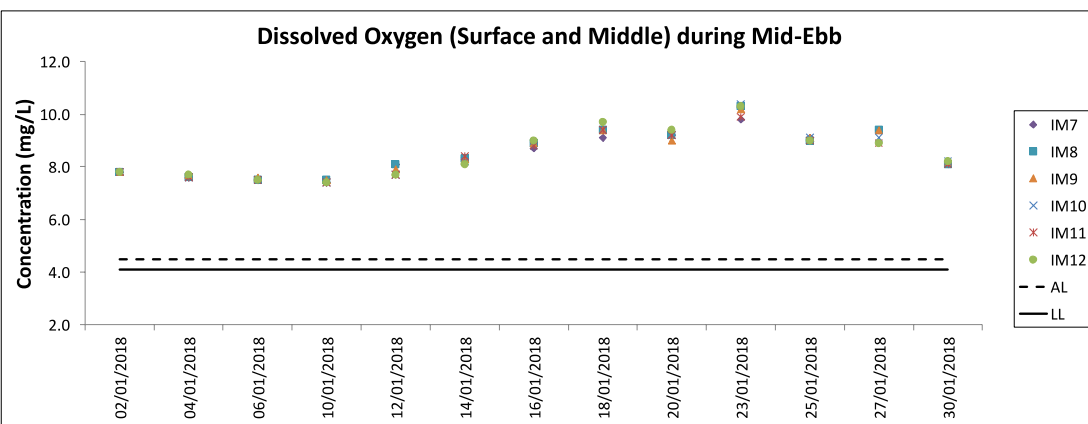
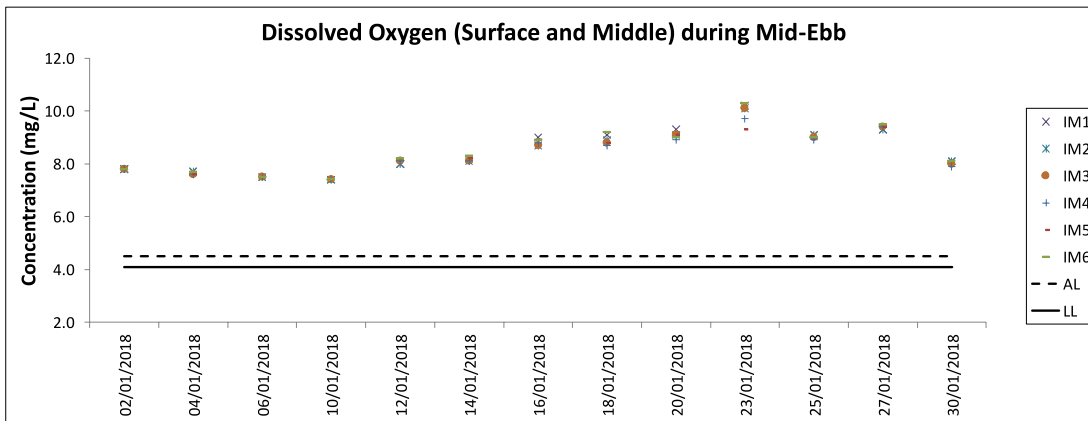
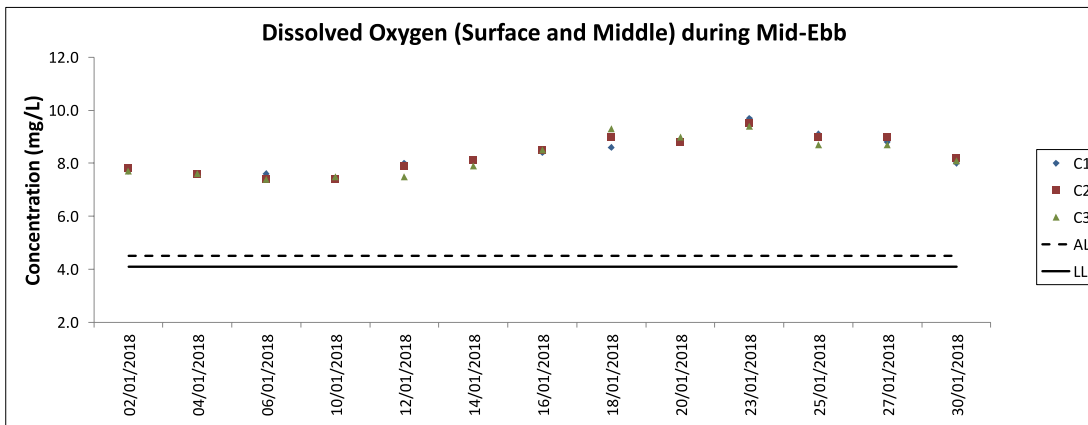
Water Quality Monitoring Results on 30 January 18 during Mid-Ebb Tide

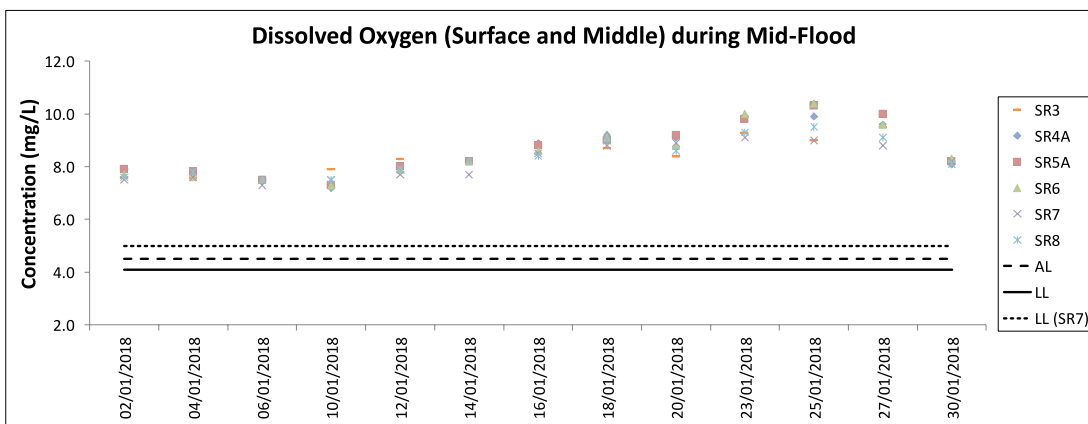
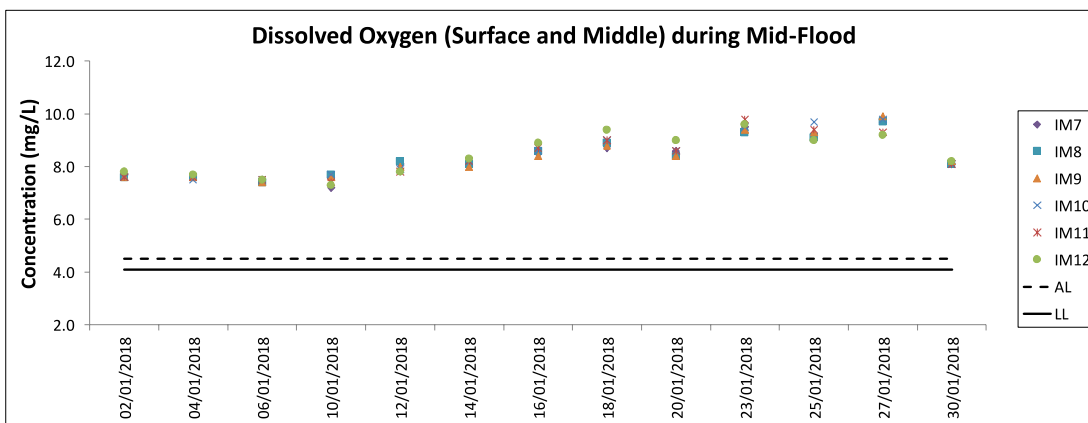
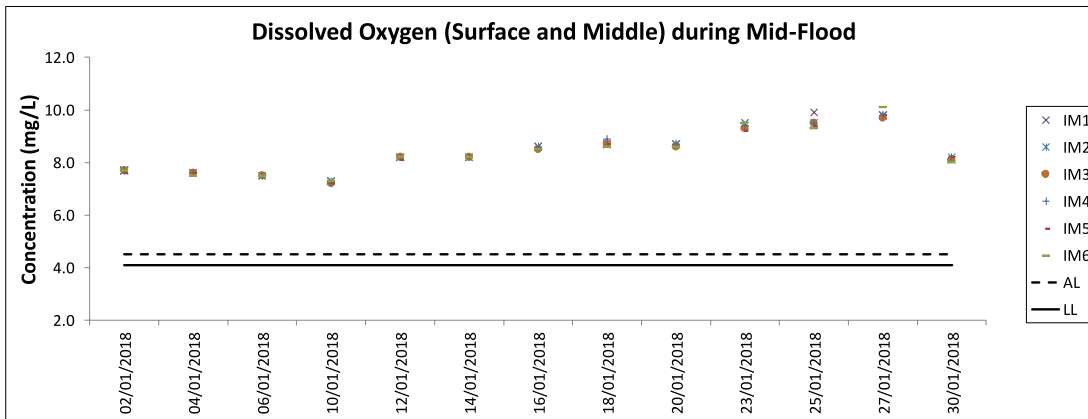
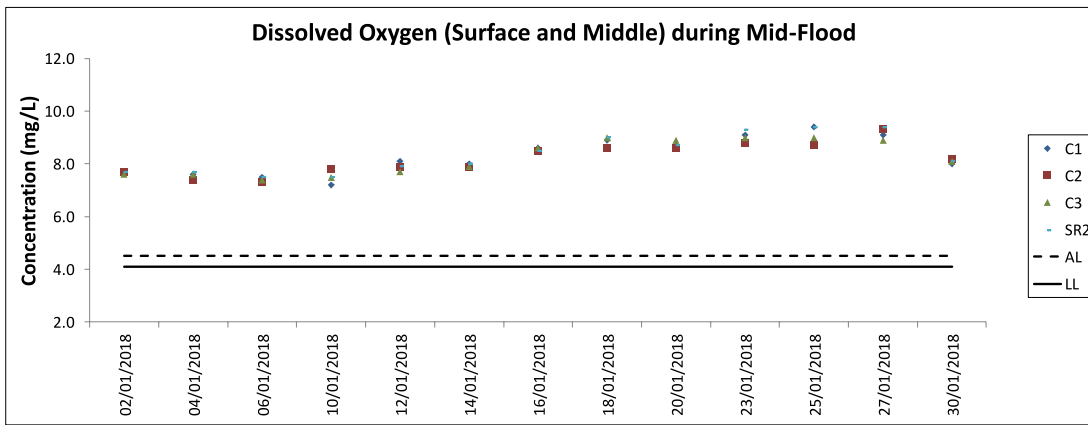
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
IM9	Cloudy	Moderate	11:09	7.4	Surface	1.0	0.3	91	16.2	16.2	8.1	8.1	33.5	33.5	101.4	101.4	8.1	8.1	9.9	9.9	9	73	74	822107	808833	<0.2	<0.2	0.9	0.9				
						1.0	0.3	98	16.2	16.2	8.1	8.1	33.5	33.5	101.4	101.4	8.1	8.1	9.9	9.9	9	73	74	822107	808833	<0.2	<0.2	1.0	1.0				
						3.7	0.4	75	16.2	16.2	8.1	8.1	33.5	33.5	102.1	102.1	8.2	8.2	12.5	12.5	8	73	74	822107	808833	<0.2	<0.2	0.9	0.9				
					Middle	3.7	0.4	77	16.2	16.2	8.1	8.1	33.5	33.5	102.1	102.1	8.2	8.2	12.5	12.5	10	74	74	822107	808833	<0.2	<0.2	0.9	0.9				
						6.4	0.1	14	16.2	16.2	8.1	8.1	33.5	33.5	104.7	104.7	8.4	8.4	13.3	13.3	12	74	74	822107	808833	<0.2	<0.2	0.9	0.9				
						6.4	0.1	14	16.2	16.2	8.1	8.1	33.5	33.5	104.7	104.7	8.4	8.4	13.3	13.3	12	75	75	822107	808833	<0.2	<0.2	1.0	1.0				
IM10	Cloudy	Moderate	11:19	8.2	Surface	1.0	0.3	97	16.5	16.5	8.1	8.1	33.1	33.1	102.4	102.4	8.2	8.2	9.6	10	73	75	822266	809826	<0.2	<0.2	1.2	1.2					
						1.0	0.3	102	16.5	16.5	8.1	8.1	33.1	33.1	102.4	102.4	8.2	8.2	9.1	9	73	75	822266	809826	<0.2	<0.2	1.2	1.2					
						4.1	0.3	94	16.5	16.5	8.0	8.0	33.3	33.3	102.7	102.7	8.2	8.2	8.4	10	76	76	822266	809826	<0.2	<0.2	1.0	1.0					
					Middle	4.1	0.3	100	16.5	16.5	8.0	8.0	33.3	33.3	102.8	102.8	8.2	8.2	8.4	8	76	76	822266	809826	<0.2	<0.2	1.0	1.0					
						7.2	0.2	88	16.5	16.5	8.0	8.0	33.5	33.5	105.2	105.2	8.4	8.4	8	8	76	76	822266	809826	<0.2	<0.2	1.0	1.0					
						7.2	0.2	95	16.5	16.5	8.0	8.0	33.5	33.5	105.2	105.2	8.4	8.4	8	8	77	77	822266	809826	<0.2	<0.2	1.0	1.0					
IM11	Cloudy	Moderate	11:30	8.5	Surface	1.0	0.3	87	16.5	16.5	8.1	8.1	33.1	33.1	101.7	101.7	8.1	8.1	9.7	10	73	75	821478	810536	<0.2	<0.2	1.1	1.1					
						1.0	0.3	94	16.5	16.5	8.1	8.1	33.1	33.1	101.7	101.7	8.1	8.1	9.7	10	73	75	821478	810536	<0.2	<0.2	1.1	1.1					
						4.3	0.4	94	16.5	16.5	8.0	8.0	33.1	33.1	101.4	101.4	8.1	8.1	9.5	8	75	75	821478	810536	<0.2	<0.2	1.0	1.0					
					Middle	4.3	0.4	97	16.5	16.5	8.0	8.0	33.1	33.1	101.4	101.4	8.1	8.1	9.4	9	75	75	821478	810536	<0.2	<0.2	1.0	1.0					
						7.5	0.4	65	16.6	16.5	8.0	8.0	33.4	33.4	101.3	101.3	8.1	8.1	8.7	10	77	77	821478	810536	<0.2	<0.2	1.0	1.0					
						7.5	0.4	65	16.5	16.5	8.0	8.0	33.5	33.4	101.3	103.2	8.1	8.3	8.7	9	76	76	821478	810536	<0.2	<0.2	1.0	1.0					
IM12	Cloudy	Moderate	11:37	9.1	Surface	1.0	0.3	90	16.7	16.7	8.0	8.0	33.7	33.7	102.4	102.4	8.1	8.1	5.7	7	73	75	821137	811497	<0.2	<0.2	0.8	0.8					
						1.0	0.3	92	16.7	16.7	8.0	8.0	33.7	33.7	102.4	102.4	8.1	8.1	5.7	6	73	73	821137	811497	<0.2	<0.2	0.8	0.8					
						4.6	0.3	93	16.7	16.7	8.0	8.0	33.8	33.8	103.1	103.1	8.2	8.2	6.7	5	74	74	821137	811497	<0.2	<0.2	0.8	0.8					
					Middle	4.6	0.3	99	16.7	16.7	8.0	8.0	33.8	33.8	103.1	103.1	8.2	8.2	6.8	5	75	75	821137	811497	<0.2	<0.2	0.9	0.9					
						8.1	0.3	109	16.7	16.7	8.0	8.0	33.8	33.8	104.3	104.3	8.3	8.3	8.3	7	76	76	821137	811497	<0.2	<0.2	0.8	0.8					
						8.1	0.3	115	16.7	16.7	8.0	8.0	33.8	33.8	104.3	104.3	8.3	8.3	8.3	6	76	76	821137	811497	<0.2	<0.2	0.8	0.8					
SR2	Cloudy	Moderate	12:05	4.4	Surface	1.0	0.3	85	16.7	16.7	8.0	8.0	33.5	33.5	104.8	104.8	8.3	8.3	6.2	7	73	74	821461	814182	<0.2	<0.2	0.9	0.9					
						1.0	0.3	87	16.7	16.7	8.0	8.0	33.5	33.5	104.8	104.8	8.3	8.3	6.2	8	73	73	821461	814182	<0.2	<0.2	0.8	0.8					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.4	0.2	90	16.7	16.7	8.0	8.0	33.8	33.8	106.2	106.2	8.4	8.4	5.2	8	75	75	821461	814182	<0.2	<0.2	0.8	0.8					
						3.4	0.2	90	16.7	16.7	8.0	8.0	33.8	33.8	106.2	106.2	8.4	8.4	5.2	6	75	75	821461	814182	<0.2	<0.2	0.9	0.9					
SR3	Cloudy	Moderate	10:55	9.1	Surface	1.0	0.4	84	16.3	16.3	8.0	8.0	33.8	33.8	101.4	101.4	8.1	8.1	14.3	10	-	-	-	-	-	-	-	-	-	-			
						1.0	0.4	92	16.3	16.3	8.0	8.0	33.8	33.8	101.4	101.4	8.1	8.1	14.3	10	-	-	-	-	-	-	-	-	-	-	-	-	
						4.6	0.2	76	16.2	16.2	8.0	8.0	34.3	34.3	101.0	101.0	8.1	8.1	21.3	17	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.6	0.2	82	16.2	16.2	8.0	8.0	34.3	34.3	101.0	101.0	8.1	8.1	21.3	16	-	-	-	-	-	-	-	-	-	-	-	-	-
						8.1	0.2	61	16.1	16.1	8.0	8.0	34.5	34.5	102.4	102.4	8.2	8.2	22.3	15	-	-	-	-	-	-	-	-	-	-	-	-	-
						8.1	0.2	65	16.1	16.1	8.0	8.0	34.5	34.5	102.4	102.4	8.2	8.2	22.3	15	-	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Cloudy	Moderate	11:59	9.2	Surface	1.0	0.4	80	15.6	15.6	8.1	8.1	33.1	33.1	99.1	99.1	8.1	8.1	12.6	8	-	-	-	-	-	-	-	-	-				
						1.0	0.4	85	15.6	15.6	8.1	8.1	33.1	33.1	99.1	99.1	8.1	8.1	12.6	8	-	-	-	-	-	-	-	-	-	-	-		
						4.6	0.4	75	15.7	15.7	8.1	8.1	33.5	33.5	99.5	99.5	8.1	8.1	16.2	9	-	-	-	-	-	-	-	-	-	-	-		
					Middle	4.6	0.4	78	15.7	15.7	8.1	8.1	33.5	33.5	99.7	99.7	8.1	8.1	16.5	8	-	-	-	-	-	-	-	-	-	-	-	-	
						8.2	0.3	70	15.7	15.7	8.0	8.0	33.6	33.6	101.5	101.5	8.2	8.2	19.5	11	-	-	-	-	-	-	-	-	-	-	-	-	
						8.2	0.4	74	15.7	15.7	8.0	8.0	33.6	33.6	101.6	101.6	8.2	8.2	19.5	10	-	-	-	-	-	-	-	-	-	-	-		
SR5A	Cloudy	Calm	12:15	5.0	Surface	1.0	0.1	28	16.0	16.0	8.1	8.1	31.9	31.9	100.3	100.3	8.2	8.2	7.8	9	-	-	-	-	-	-	-	-					
						1.0	0.1	30	16.0	16.0	8.1	8.1	31.9	31.9	100.3	100.3	8.2	8.2	7.7	8	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.0	0.1	30	16.0	16.0	8.0	8.0	31.9	31.9	102.1	102.1	8.3	8.3	10.0	10	-	-	-	-	-	-	-	-	-	-	-		
						4.0	0.1	32	16.0	16.0	8.0	8.0	31.9	31.9	102.3	102.3	8.3	8.3	10.2	9	-	-	-	-	-	-	-	-	-	-			
SR6	Rainy	Calm	12:37	4.1	Surface	1.0	0.1	40	16.0	16.0	8.0	8.0	31.8	31.8	102.1	102.1	8.3	8.3	6.7	6	-	-	-	-	-	-	-	-					
						1.0	0.1	43	16.0	16.0	8.0	8.0	31.8	31.8	102.1	102.1	8.3	8.3	6.7	7	-	-	-	-	-	-	-	-	-				
						-	-	-	-																								

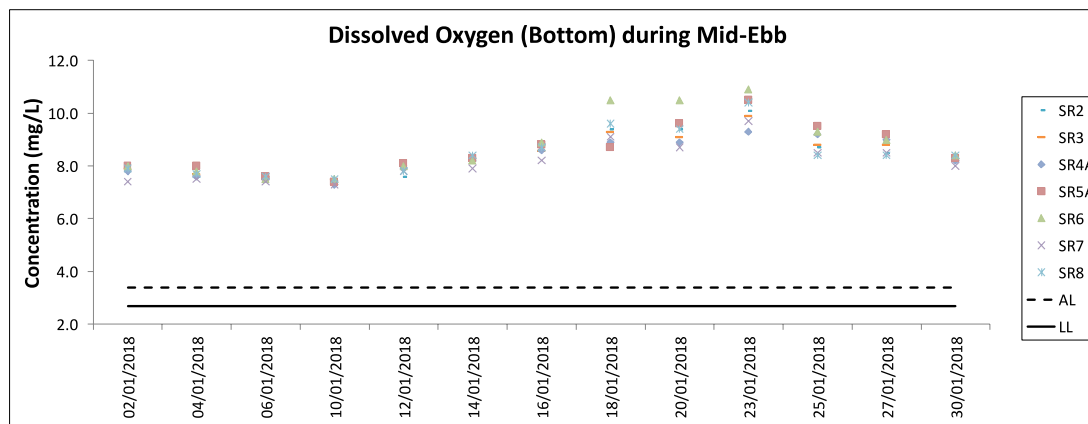
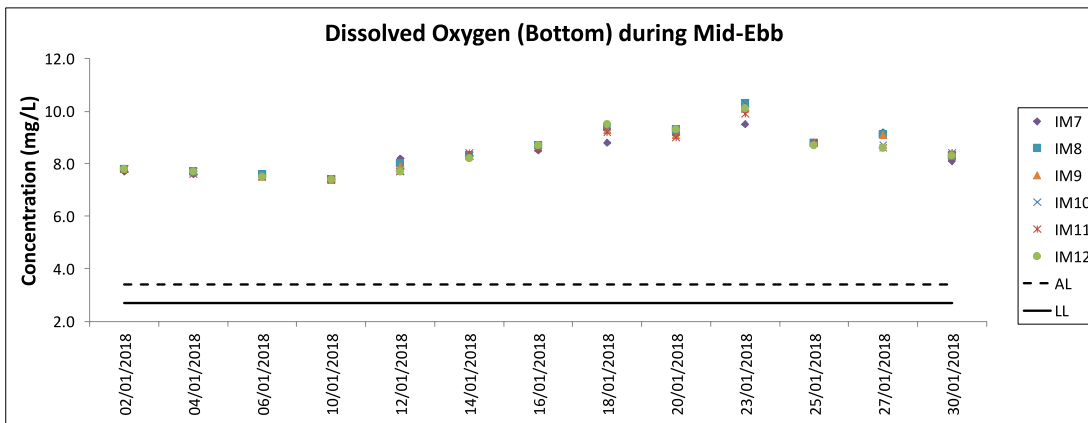
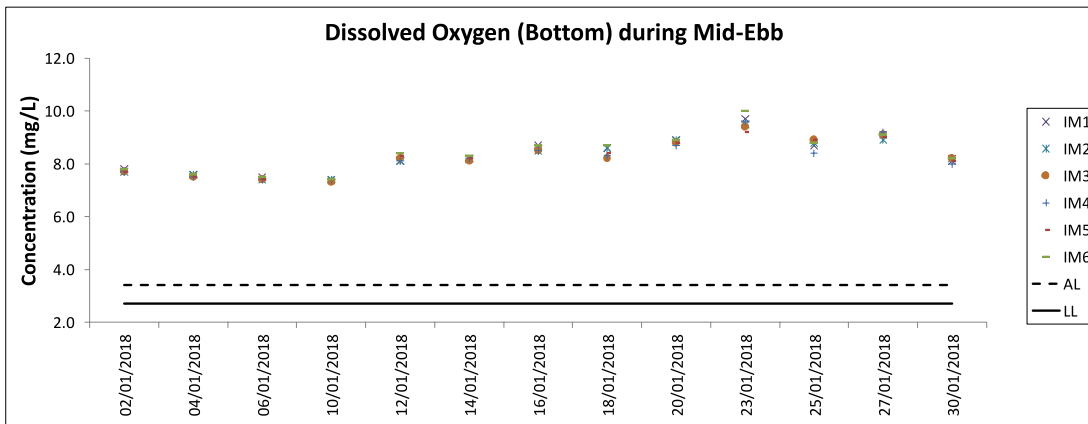
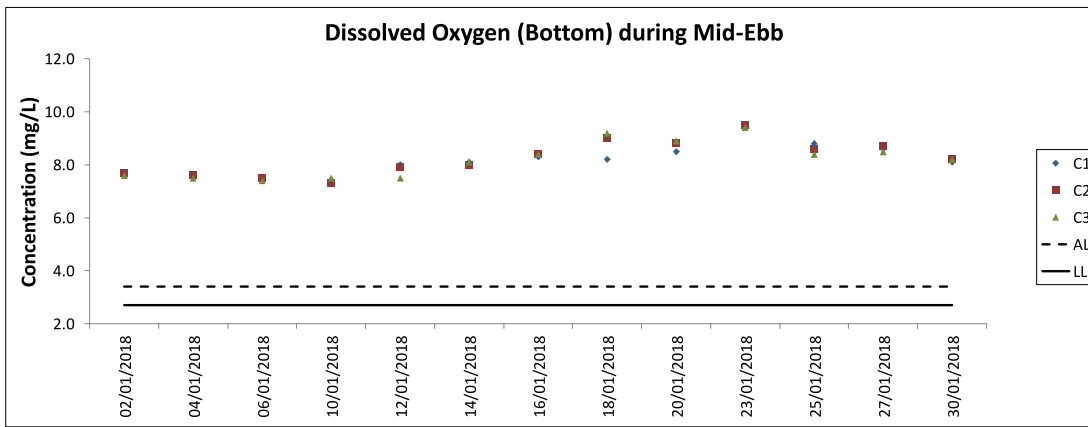
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

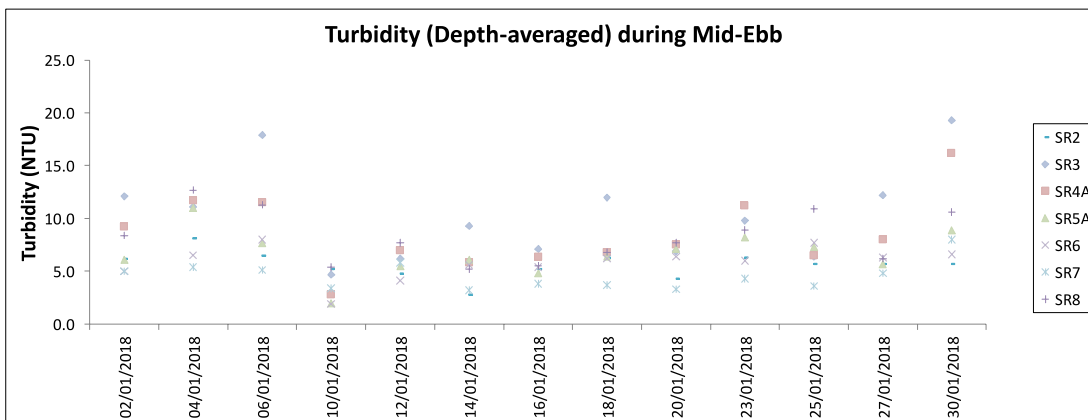
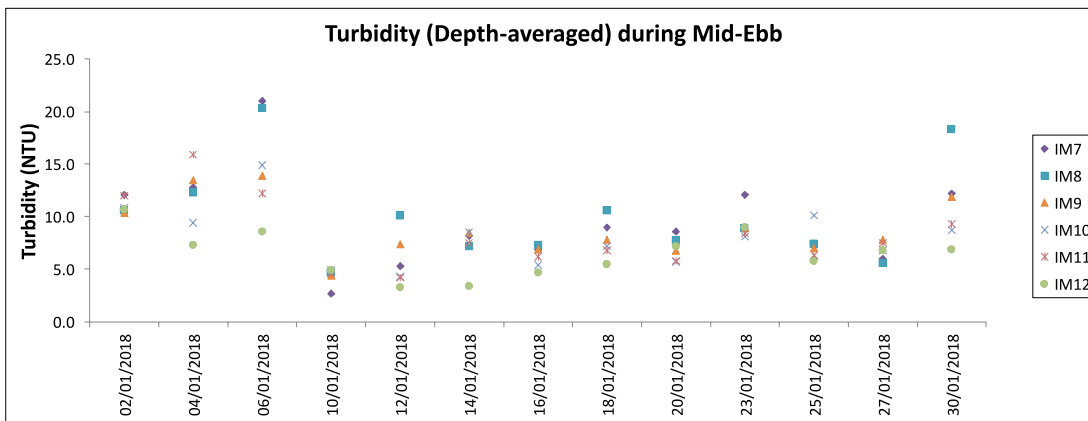
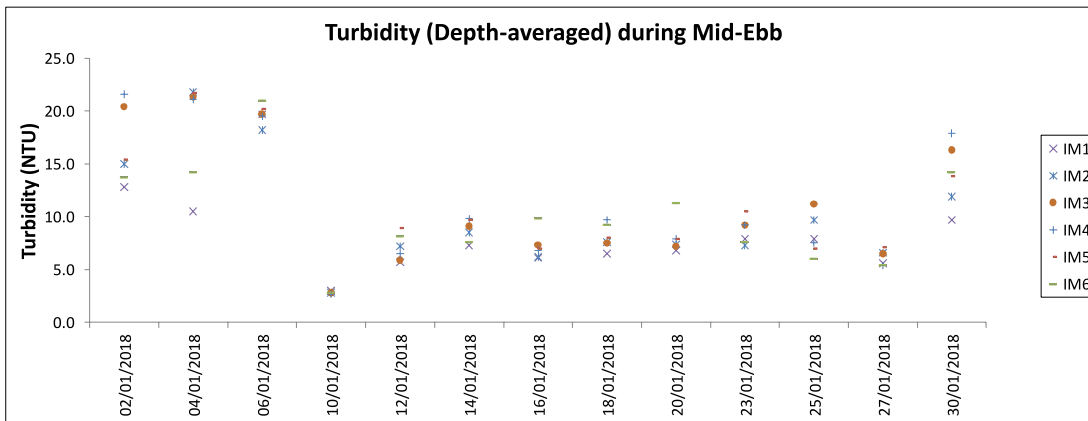
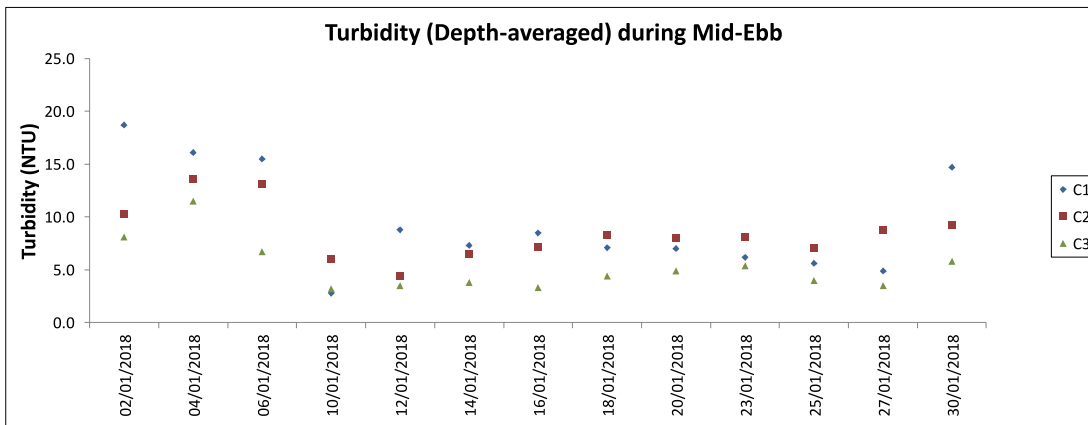
Water Quality Monitoring Results on 30 January 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
C1	Rainy	Rough	06:40	7.9	Surface	1.0	0.4	49	15.9	15.9	8.1	8.1	33.4	33.4	99.6	99.6	8.0	8.0	11.4	8	72	74	815593	804260	<0.2	<0.2	0.8	0.9		
						1.0	0.4	52	15.9	8.1	8.1	33.4	33.4	99.6	99.6	8.0	8.0	11.7	6	72	74	<0.2	<0.2	0.9	0.8					
						4.0	0.4	38	16.0	8.1	8.1	33.5	33.5	99.4	99.4	8.0	8.0	14.1	11	73	74	<0.2	<0.2	0.8	0.8					
					Middle	4.0	0.4	40	16.0	8.1	8.1	33.5	33.5	99.4	99.4	8.0	8.0	14.2	9	73	74	<0.2	<0.2	0.8	0.8					
						6.9	0.5	64	16.0	8.1	8.1	33.6	33.6	99.7	99.7	8.0	8.0	21.3	18	75	74	<0.2	<0.2	0.9	0.9					
						6.9	0.5	65	16.0	8.1	8.1	33.6	33.6	99.9	99.8	8.0	8.0	21.6	17	76	74	<0.2	<0.2	1.0	1.0					
C2	Rainy	Moderate	07:42	11.3	Surface	1.0	0.4	333	16.8	16.8	8.0	8.0	32.5	32.5	102.3	102.3	8.2	8.2	8.9	4	72	73	825681	806951	<0.2	<0.2	1.3	1.3		
						1.0	0.5	353	16.8	8.0	8.0	32.5	32.5	102.3	102.3	8.2	8.2	9.0	5	72	73	<0.2	<0.2	1.3	1.3					
						5.7	0.6	344	17.0	8.0	8.0	32.8	32.8	102.5	102.5	8.1	8.1	13.5	7	73	73	<0.2	<0.2	1.2	1.2					
					Middle	5.7	0.6	347	17.0	8.0	8.0	32.8	32.8	102.5	102.5	8.1	8.1	13.5	7	73	73	<0.2	<0.2	1.2	1.2					
						10.3	0.4	350	17.0	7.9	7.9	33.1	33.1	102.8	102.8	8.1	8.1	25.0	8	74	73	<0.2	<0.2	1.4	1.4					
						10.3	0.4	322	17.0	7.9	7.9	33.1	33.1	102.8	102.8	8.1	8.1	25.0	9	75	73	<0.2	<0.2	1.3	1.3					
C3	Rainy	Moderate	05:44	10.7	Surface	1.0	0.3	258	16.9	16.9	8.0	8.0	34.2	34.2	102.3	102.3	8.1	8.1	6.2	5	73	75	822106	817779	<0.2	<0.2	0.9	0.9		
						1.0	0.4	268	16.9	8.0	8.0	34.2	34.2	102.3	102.3	8.1	8.1	6.2	6	73	75	<0.2	<0.2	0.8	0.8					
						5.4	0.4	260	16.9	8.0	8.0	34.2	34.2	101.5	101.5	8.0	8.0	8.7	5	75	75	<0.2	<0.2	0.8	0.8					
					Middle	5.4	0.4	268	16.9	8.0	8.0	34.2	34.2	101.5	101.5	8.0	8.0	8.7	5	75	75	<0.2	<0.2	0.9	0.9					
						9.7	0.3	262	17.0	8.0	8.0	34.3	34.3	101.4	101.4	8.0	8.0	13.7	7	76	75	<0.2	<0.2	1.0	1.0					
						9.7	0.3	285	17.0	8.0	8.0	34.3	34.3	101.4	101.4	8.0	8.0	13.7	6	76	75	<0.2	<0.2	0.9	0.9					
IM1	Rainy	Rough	07:00	6.9	Surface	1.0	0.4	10	16.1	16.1	8.2	8.2	32.7	32.7	100.8	100.8	8.1	8.1	11.3	8	72	74	818367	806445	<0.2	<0.2	1.1	1.1		
						1.0	0.5	10	16.1	8.2	8.2	32.7	32.7	100.8	100.8	8.1	8.1	11.8	8	72	74	<0.2	<0.2	1.1	1.1					
						3.5	0.5	10	16.1	8.2	8.2	32.7	32.7	100.9	100.9	8.1	8.1	11.9	10	73	74	<0.2	<0.2	1.1	1.1					
					Middle	3.5	0.5	10	16.1	8.2	8.2	32.7	32.7	100.9	100.9	8.1	8.1	11.9	10	73	74	<0.2	<0.2	1.2	1.2					
						5.9	0.4	6	16.1	8.2	8.2	32.7	32.7	100.8	100.8	8.1	8.1	14.1	12	75	74	<0.2	<0.2	1.2	1.2					
						5.9	0.4	6	16.1	8.2	8.2	32.7	32.7	100.3	100.6	8.1	8.1	14.7	13	76	74	<0.2	<0.2	1.2	1.2					
IM2	Rainy	Rough	07:09	8.3	Surface	1.0	0.4	20	16.2	16.2	8.2	8.2	32.5	32.5	101.1	101.1	8.2	8.2	10.2	10	71	73	818823	806181	<0.2	<0.2	1.1	1.1		
						1.0	0.4	21	16.2	8.2	8.2	32.5	32.5	101.1	101.1	8.2	8.2	10.5	10	72	73	<0.2	<0.2	1.1	1.1					
						4.2	0.4	26	16.2	8.1	8.1	32.6	32.6	101.2	101.2	8.2	8.2	13.8	12	73	73	<0.2	<0.2	1.2	1.2					
					Middle	4.2	0.4	27	16.2	8.1	8.1	32.6	32.6	101.2	101.2	8.2	8.2	13.8	11	73	73	<0.2	<0.2	1.2	1.2					
						7.3	0.3	30	16.1	8.1	8.1	32.6	32.6	102.0	102.2	8.2	8.3	18.4	15	75	73	<0.2	<0.2	1.1	1.1					
						7.3	0.3	31	16.1	8.1	8.1	32.6	32.6	102.3	102.3	8.3	8.3	18.5	17	75	73	<0.2	<0.2	1.2	1.2					
IM3	Rainy	Moderate	07:18	7.8	Surface	1.0	0.4	24	16.0	16.0	8.1	8.1	32.8	32.8	99.3	99.4	8.0	8.0	8.3	7	72	74	819404	806012	<0.2	<0.2	1.0	1.0		
						1.0	0.4	24	16.0	8.1	8.1	32.8	32.8	99.4	99.4	8.0	8.0	8.5	7	72	74	<0.2	<0.2	1.0	1.0					
						3.9	0.4	23	16.0	8.1	8.1	32.8	32.8	99.6	99.7	8.1	8.1	8.8	7	73	74	<0.2	<0.2	1.0	1.0					
					Middle	3.9	0.4	24	16.0	8.1	8.1	32.8	32.8	99.7	99.7	8.1	8.1	8.7	9	73	74	<0.2	<0.2	1.0	1.0					
						6.8	0.3	22	16.1	8.1	8.1	33.0	33.0	100.5	100.5	8.1	8.1	9.0	11	76	74	<0.2	<0.2	0.9	0.9					
						6.8	0.3	22	16.1	8.1	8.1	33.0	33.0	100.5	100.5	8.1	8.1	9.0	11	77	74	<0.2	<0.2	0.9	0.9					
IM4	Rainy	Moderate	07:26	7.5	Surface	1.0	0.4	7	16.2	16.2	8.2	8.1	32.2	32.2	101.3	101.3	8.2	8.2	8.1	8	72	73	819567	805062	<0.2	<0.2	1.4	1.4		
						1.0	0.5	7	16.2	8.1	8.1	32.2	32.2	101.3	101.3	8.2	8.2	8.1	7	72	73	<0.2	<0.2	1.3	1.3					
						3.8	0.4	357	16.2	8.1	8.1	32.2	32.2	101.0	101.0	8.2	8.2	8.9	9	73	73	<0.2	<0.2	1.4	1.4					
					Middle	3.8	0.4	328	16.2	8.1	8.1	32.1	32.1	100.9	101.0	8.2	8.2	8.6	8	73	73	<0.2	<0.2	1.3	1.3					
						6.5	0.5	11	16.3	8.1	8.1	32.4	32.4	100.9	100.9	8.1	8.1	13.1	15	75	73	<0.2	<0.2	1.2	1.2					
						6.5	0.5	11	16.3	8.1	8.1	32.3	32.4	100.9	100.9	8.1	8.1	13.5	13	75	73	<0.2	<0.2	1.3	1.3					
IM5	Rainy	Rough	07:34	6.5	Surface	1.0	0.6	15	16.3	16.3	8.1	8.1	32.2	32.2	101.2	101.2	8.2	8.2	13.0	11	72	74	820578	804918	<0.2	<0.2	1.3	1.3		
						1.0	0.6	15	16.3	8.1	8.1	32.2	32.2	101.1	101.2	8.2	8.2	13.7	12	72	74	<0.2	<0.2	1.3	1.3					
						3.3	0.4	6	16.4	8.1	8.1	32.3	32.3	101.2	101.2	8.2	8.2	13.4	10	73	74	<0.2	<0.2	1.3	1.3					
					Middle	3.3	0.5	6	16.4	8.1	8.1	32.3	32.3	101.2	101.2	8.2	8.2	14.6	12	73	74	<0.2	<0.2	1.3	1.3					
						5.5	0.5	12	16.3	8.1	8.1	32.2	32.2	101.3	101.3	8.2	8.2	14.6	13	75	74	<0.2	<0.2	1.3	1.3					
						5.5	0.5	12	16.4	8.0	8.0	32.3	32.2	101.5	101.4	8.2	8.2	14.3	12	76	74	<0.2	<0.2	1.4	1.4					
IM6	Rainy	Moderate	07:45	6.7	Surface	1.0	0.2	15	15.9	15.9	8.1	8.1	32.9	32.9	98.6	98.6	8.0	8.0	12.1	11	71	73	821088	805821	<0.2	<0.2	1.0	1.0		
						1.0	0.3	15	15.9	8.1	8.1	32.9	32.9	98.6	98.6	8.0	8.0	12.2	10	72	73	<0.2	<0.2	1.1	1.1					
						3.4	0.3	353	16.0	8.1	8.1	32.9	32.9	98.6	98.6	8.0	8.0	15.3	13	73	73	<0.2	<0.2	1.1	1.1					
					Middle	3.4	0.3	325	16.0	8.1	8.1	32.9	32.9	98.6	98.6	8.0	8.0	15.6	12	73	73	<0.2	<0.2	1.1	1.1					
						5.7	0.3	4	16.0	8.1	8.0	32.9	32.9	99.0	99.0	8.0	8.0	19.0	13	75	73	<0.2	<0.2	1.0	1.0					
						5.7	0.3	4	16.0	8.0	8.0	32.9	32.9	99.0	99.0	8.0	8.0	19.3	11	75	73	<0.2	<0.2	1.0	1.0					
IM7	Rainy	Moderate	07:53	7.9	Surface	1.0	0.2	44	16.3	16.3	8.1	8.1	32.1	32.1	100.5	100.5	8.1													

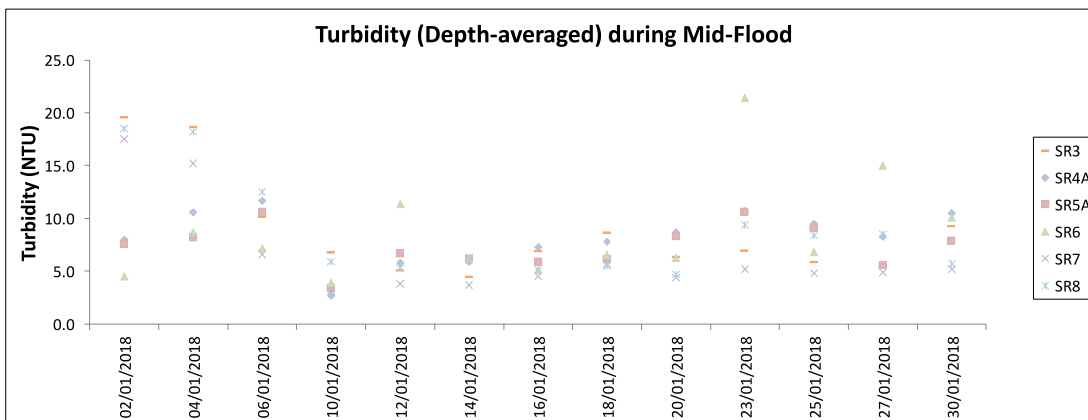
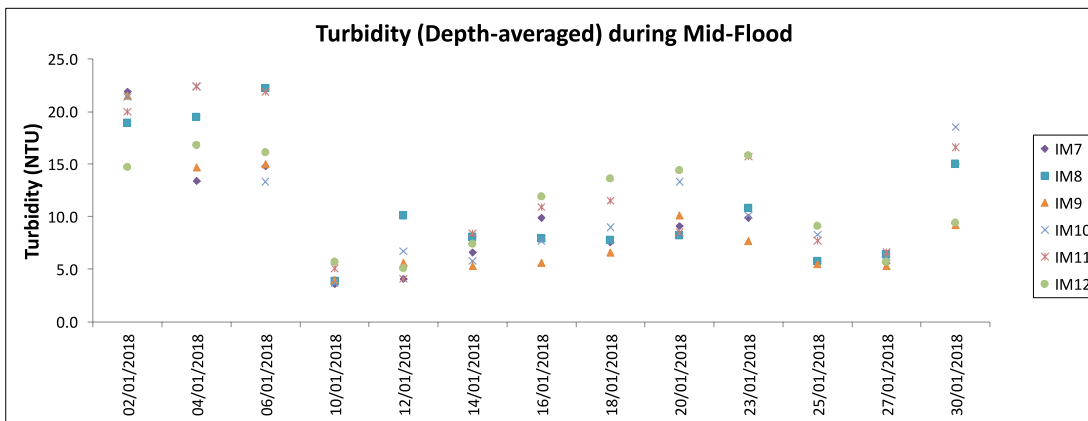
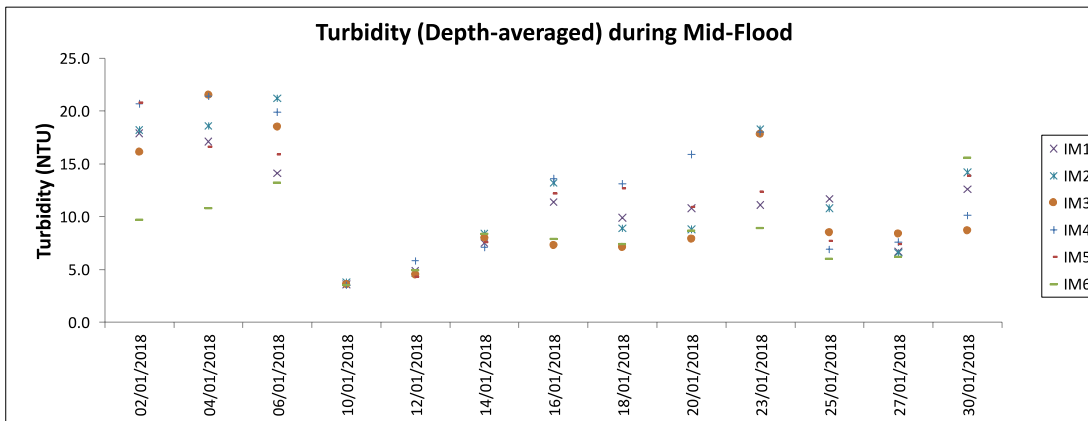
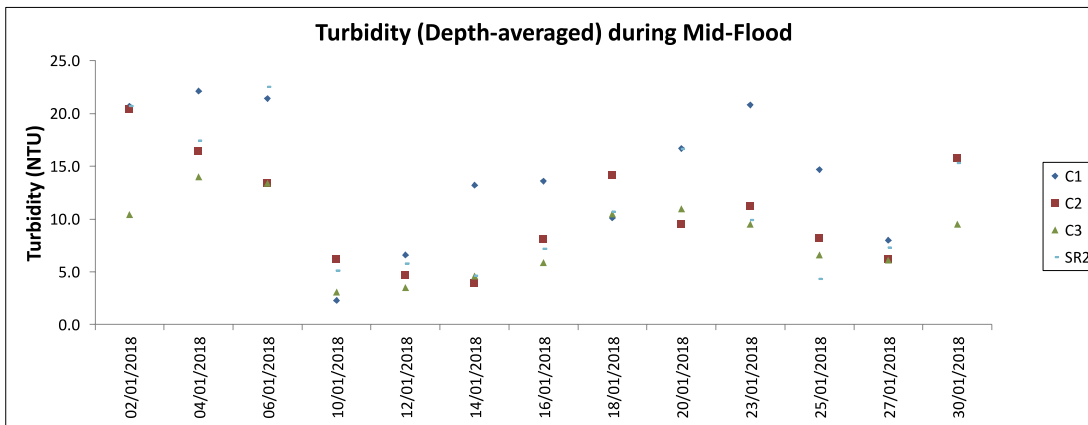




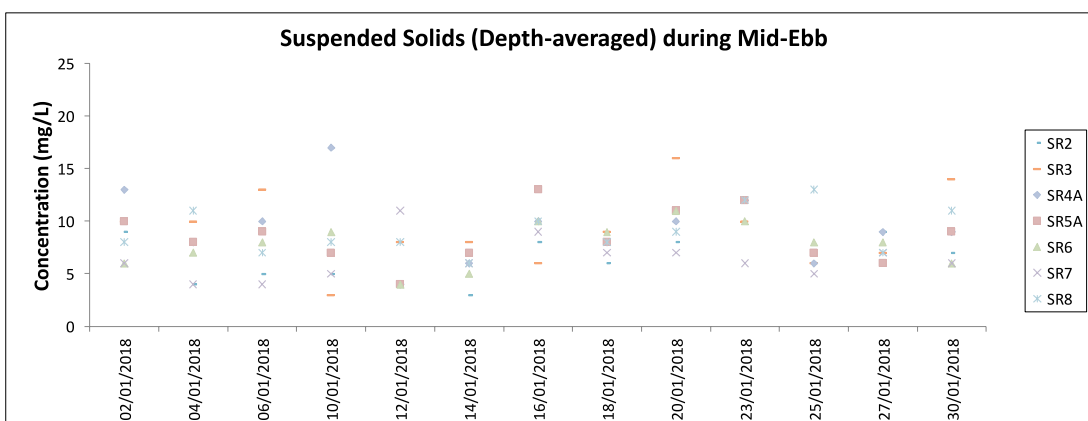
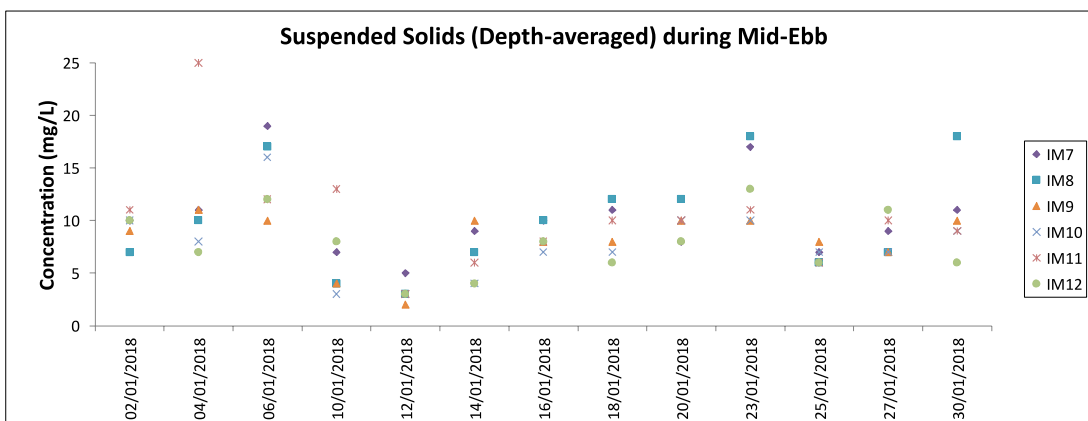
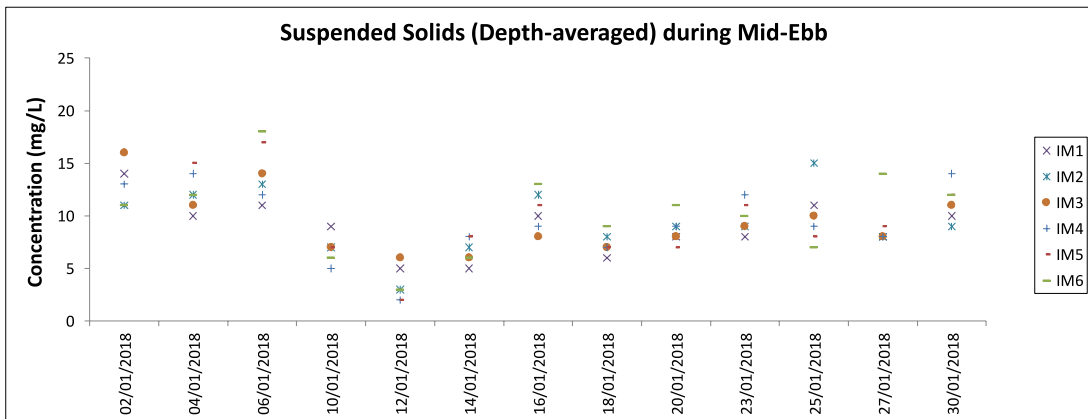
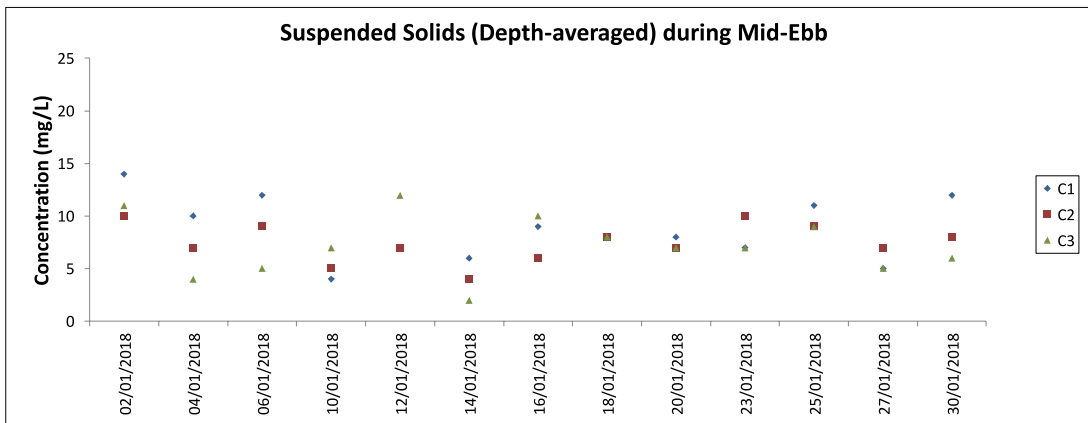




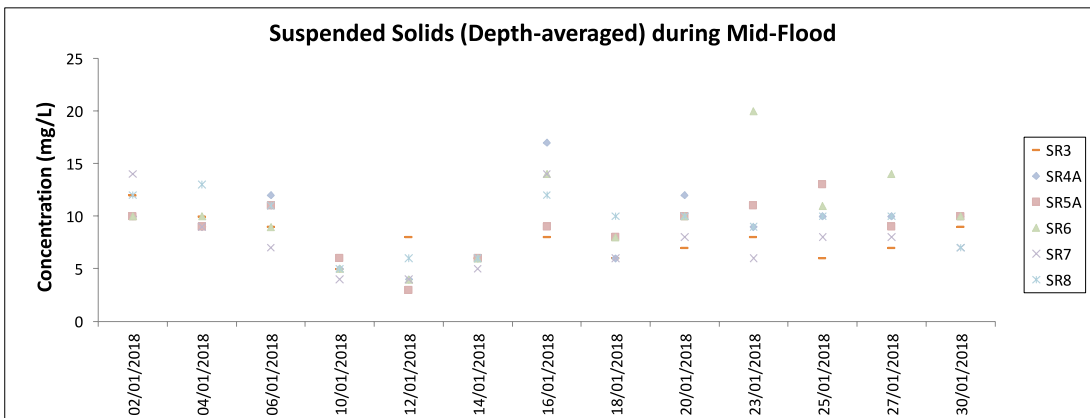
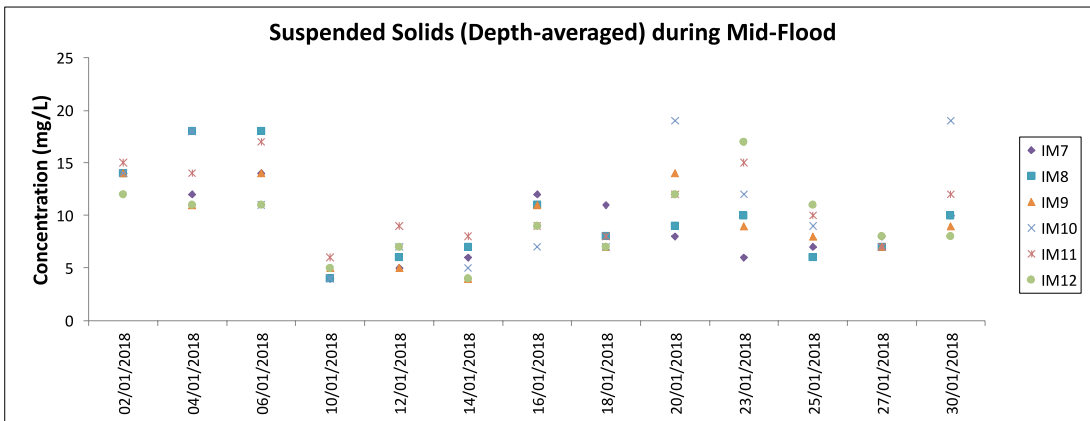
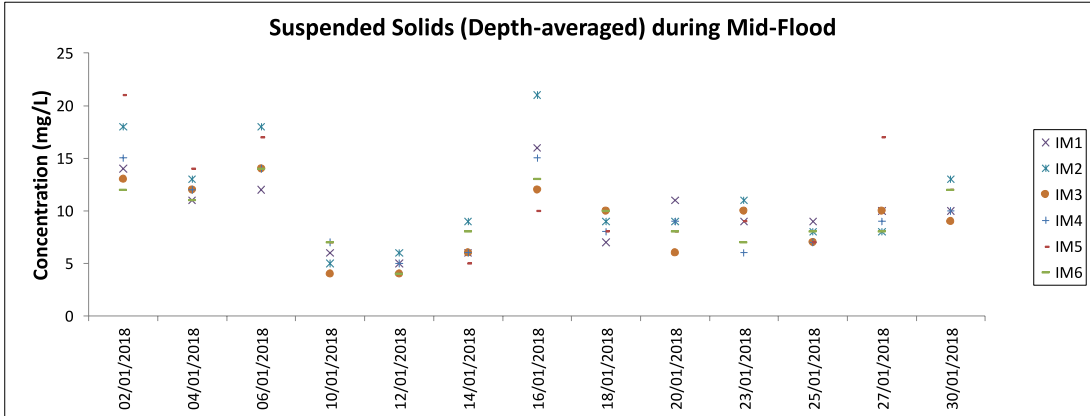
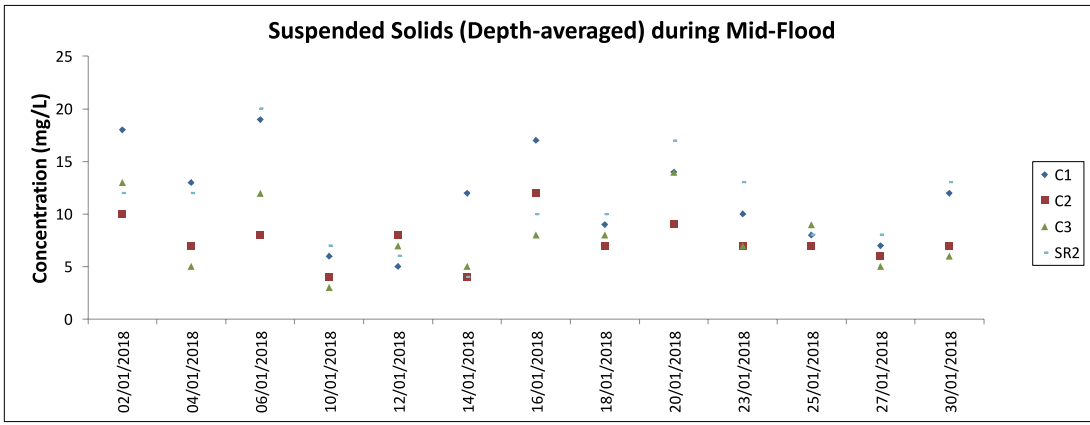
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



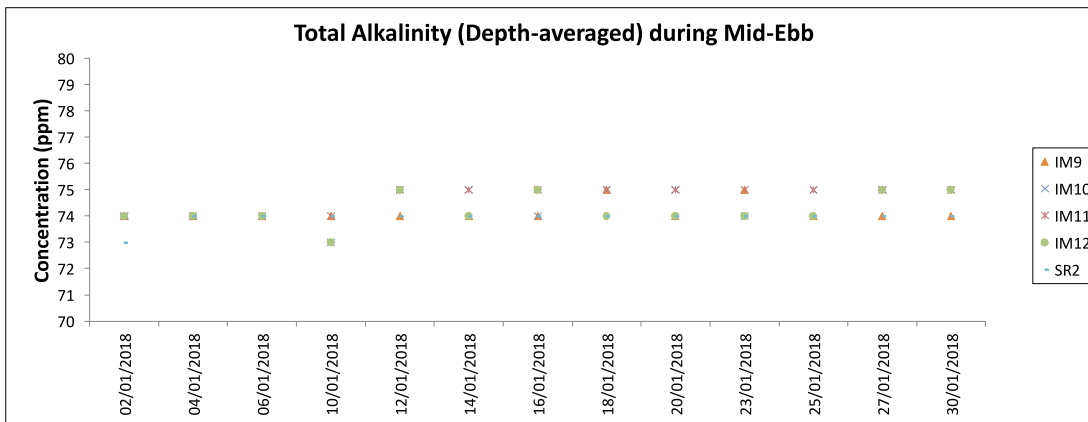
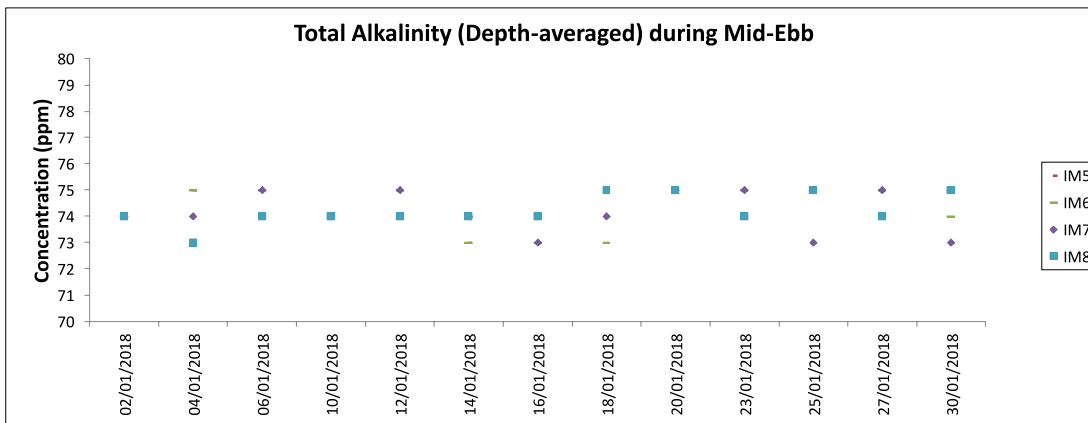
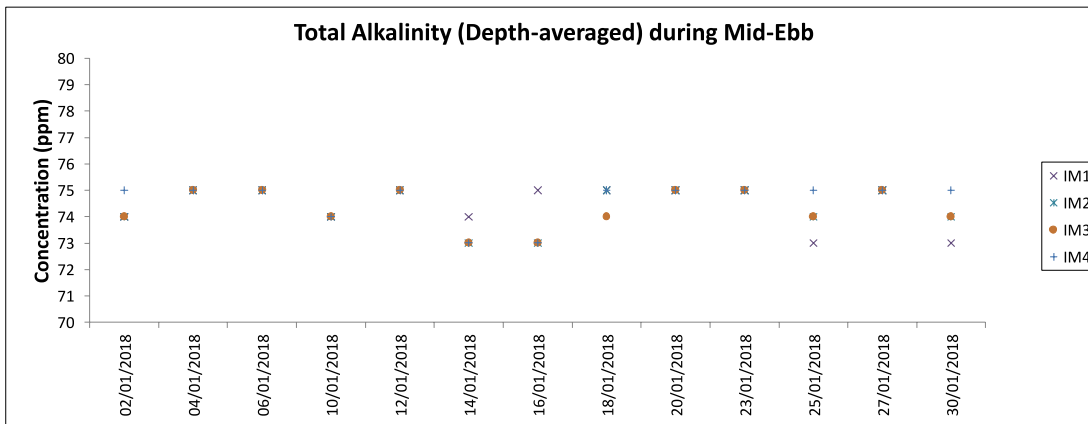
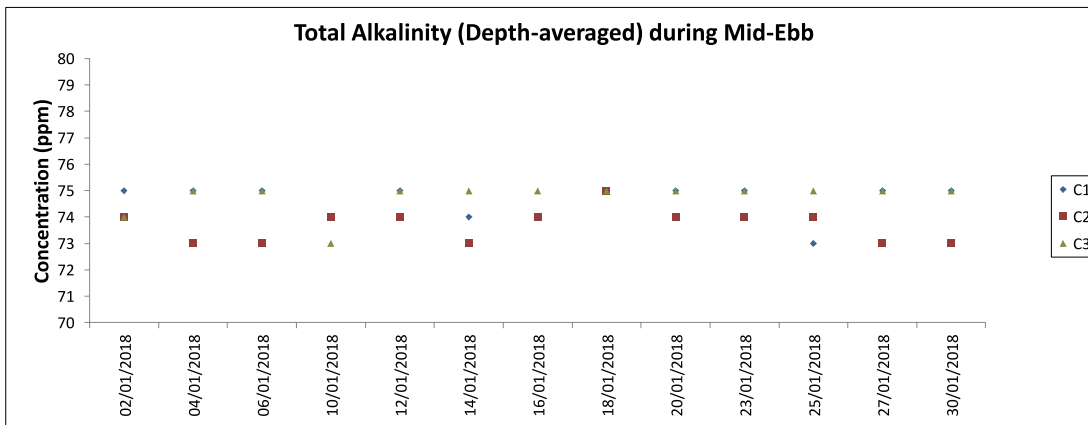
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



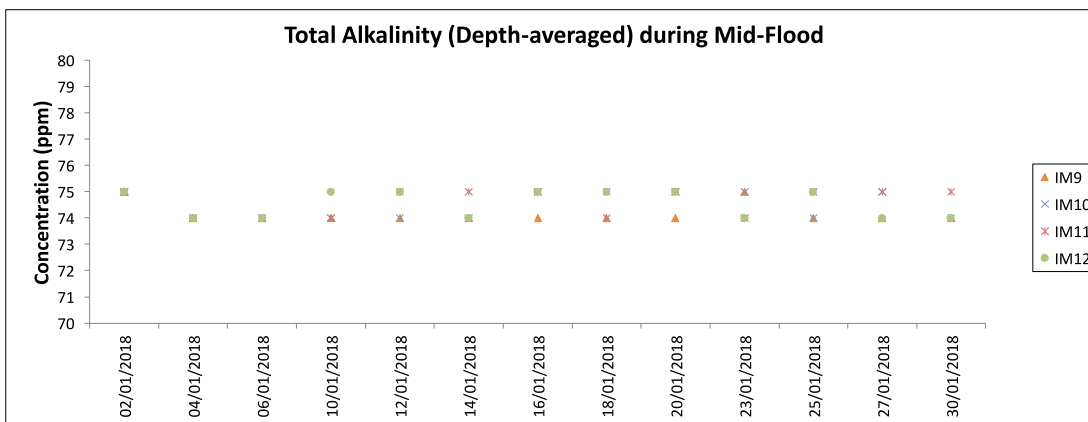
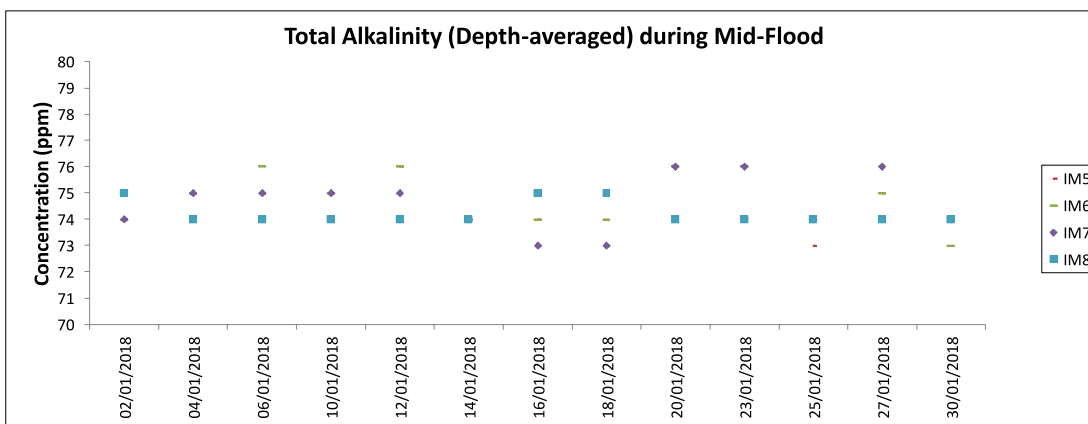
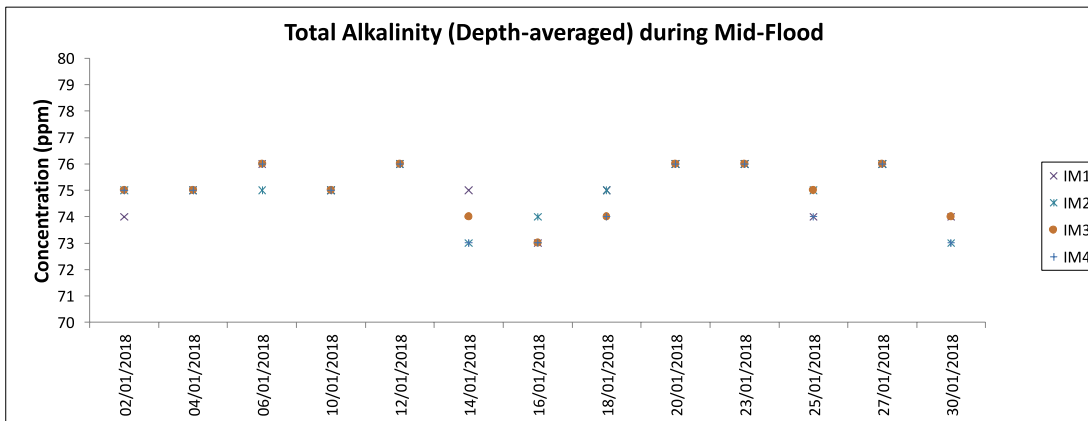
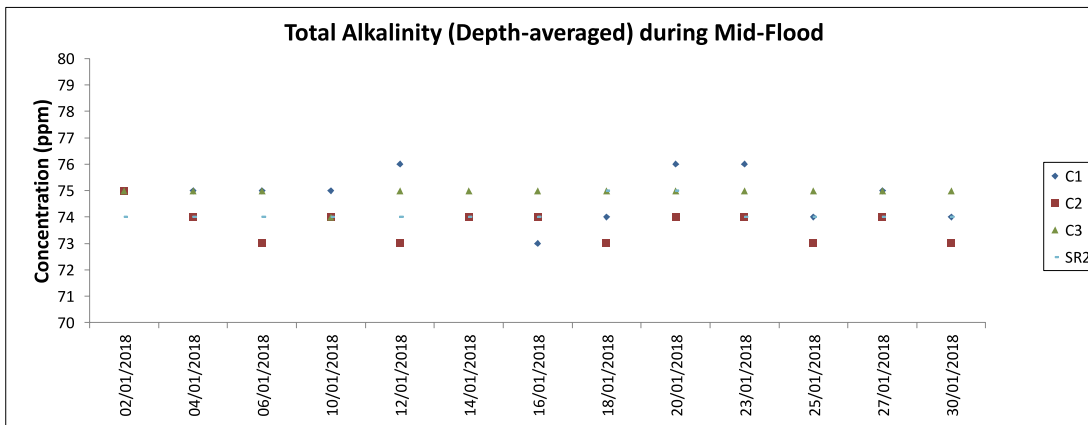
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



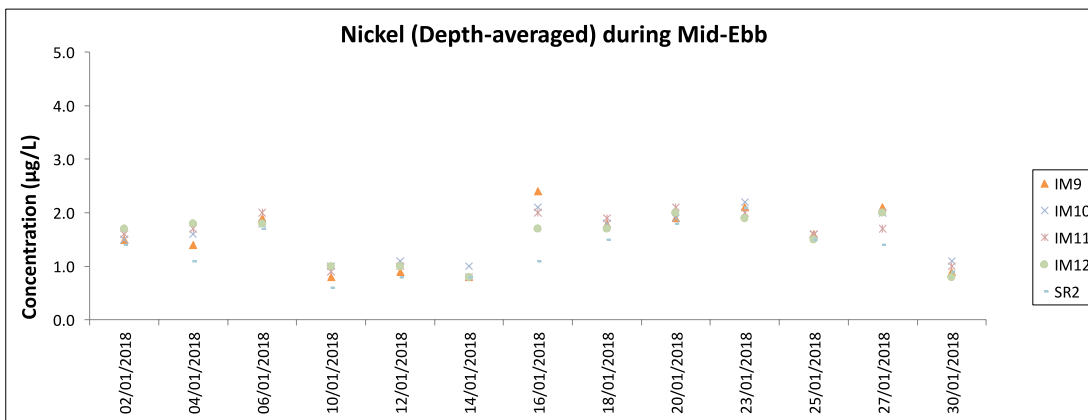
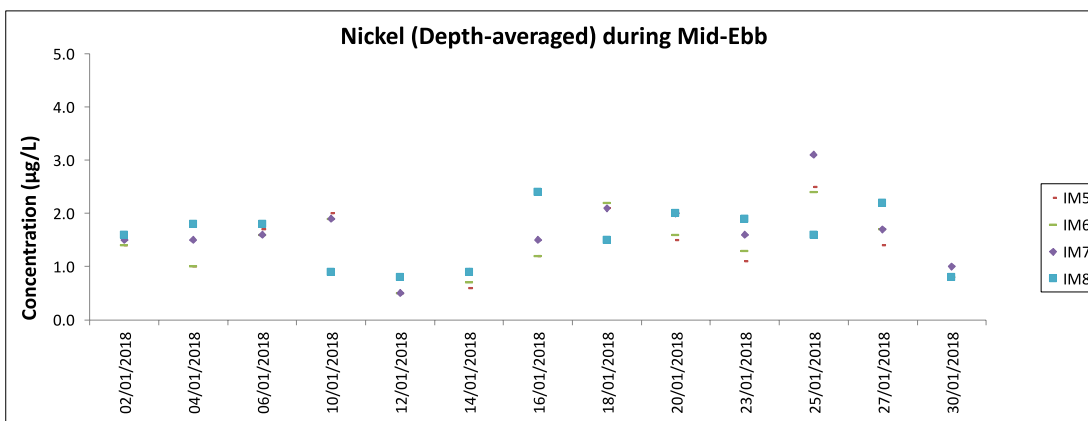
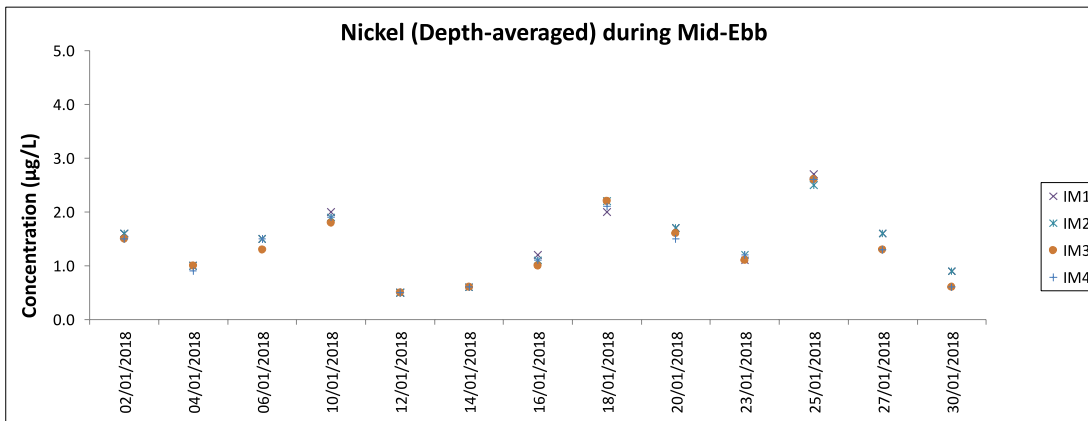
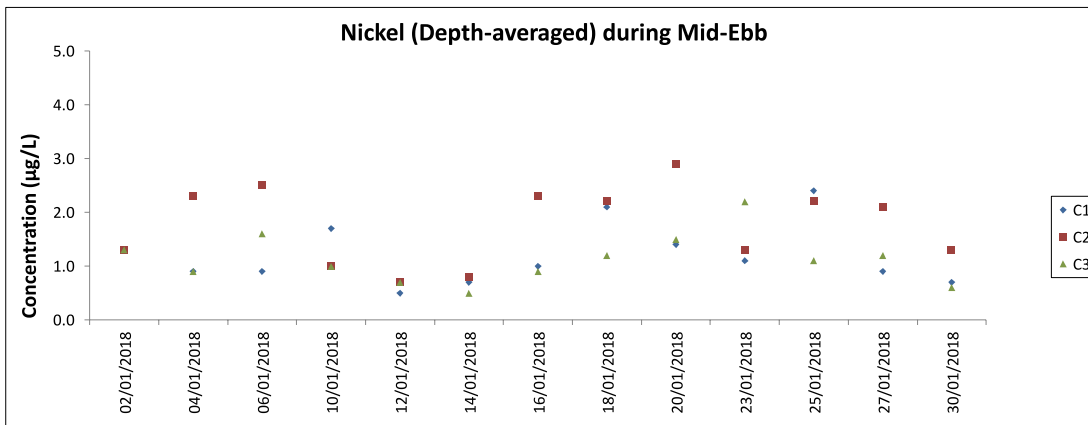
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



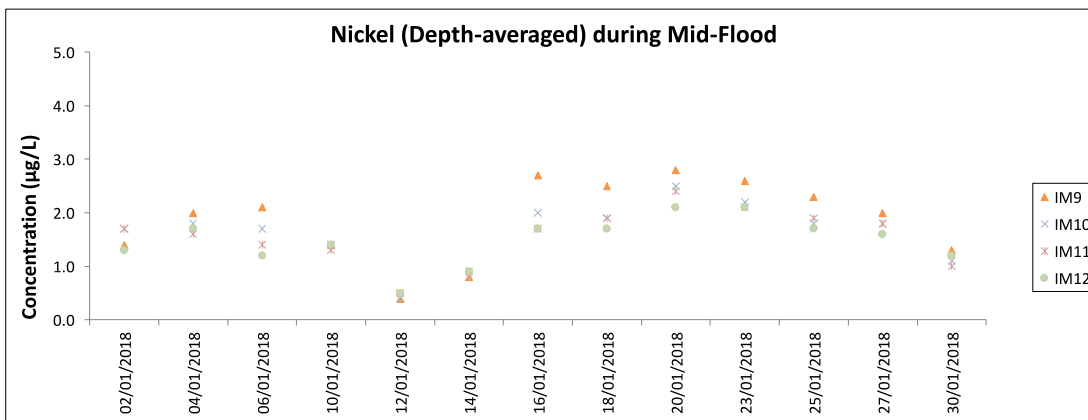
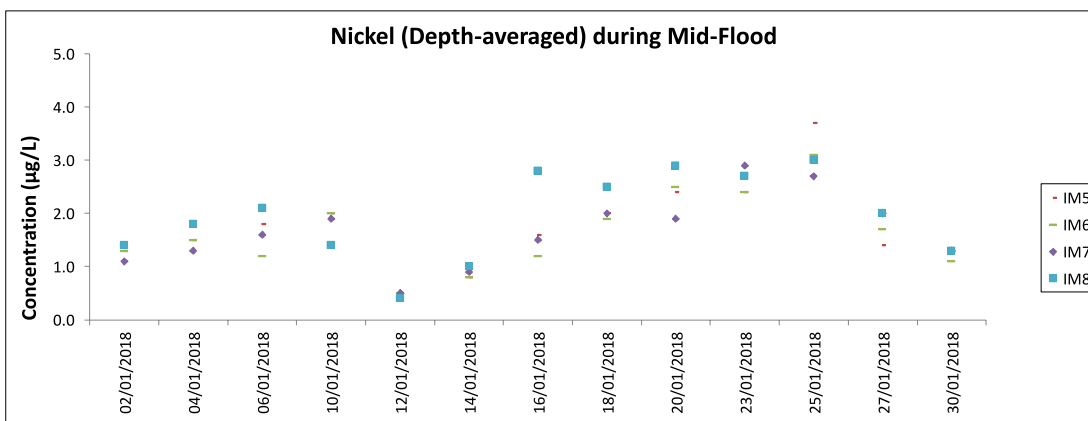
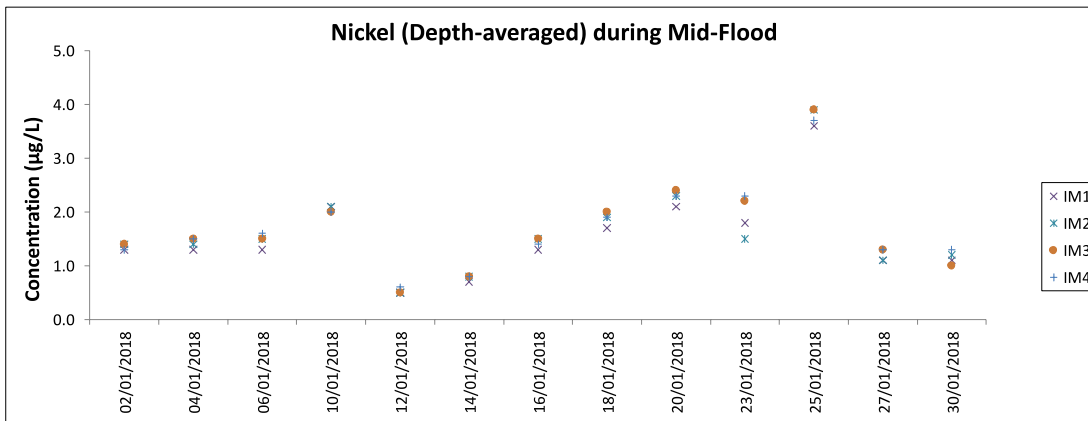
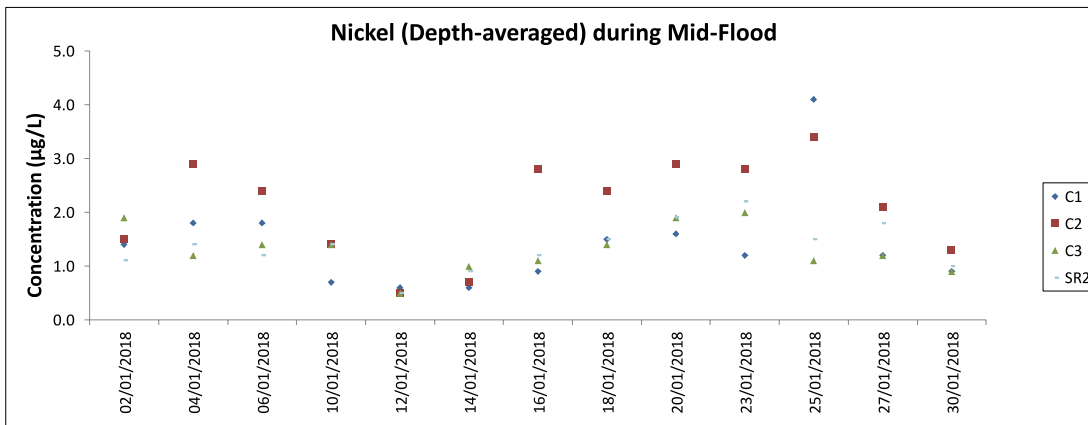
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



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



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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
06-Nov-17	NEL	2	37.700	AUTUMN	32166	3RS ET
06-Nov-17	NEL	3	9.600	AUTUMN	32166	3RS ET
07-Nov-17	NWL	2	5.860	AUTUMN	32166	3RS ET
07-Nov-17	NWL	3	53.860	AUTUMN	32166	3RS ET
07-Nov-17	NWL	4	14.980	AUTUMN	32166	3RS ET
15-Nov-17	NWL	2	13.220	AUTUMN	32166	3RS ET
15-Nov-17	NWL	3	55.550	AUTUMN	32166	3RS ET
15-Nov-17	NWL	4	5.100	AUTUMN	32166	3RS ET
16-Nov-17	NEL	2	12.810	AUTUMN	32166	3RS ET
16-Nov-17	NEL	3	31.090	AUTUMN	32166	3RS ET
16-Nov-17	NEL	4	2.100	AUTUMN	32166	3RS ET
17-Nov-17	AW	2	2.920	AUTUMN	32166	3RS ET
17-Nov-17	AW	3	1.800	AUTUMN	32166	3RS ET
17-Nov-17	WL	1	1.082	AUTUMN	32166	3RS ET
17-Nov-17	WL	2	18.218	AUTUMN	32166	3RS ET
17-Nov-17	WL	3	1.660	AUTUMN	32166	3RS ET
17-Nov-17	WL	4	12.240	AUTUMN	32166	3RS ET
17-Nov-17	SWL	3	16.340	AUTUMN	32166	3RS ET
17-Nov-17	SWL	4	2.360	AUTUMN	32166	3RS ET
20-Nov-17	SWL	2	3.100	AUTUMN	32166	3RS ET
20-Nov-17	SWL	3	24.410	AUTUMN	32166	3RS ET
20-Nov-17	SWL	4	22.590	AUTUMN	32166	3RS ET
21-Nov-17	AW	3	4.660	AUTUMN	32166	3RS ET
21-Nov-17	WL	2	1.000	AUTUMN	32166	3RS ET
21-Nov-17	WL	3	22.000	AUTUMN	32166	3RS ET
21-Nov-17	WL	4	10.500	AUTUMN	32166	3RS ET
21-Nov-17	SWL	2	3.860	AUTUMN	32166	3RS ET
21-Nov-17	SWL	3	12.600	AUTUMN	32166	3RS ET
21-Nov-17	SWL	4	2.190	AUTUMN	32166	3RS ET
22-Nov-17	SWL	3	4.100	AUTUMN	32166	3RS ET
22-Nov-17	SWL	4	18.741	AUTUMN	32166	3RS ET
22-Nov-17	SWL	5	27.459	AUTUMN	32166	3RS ET
06-Dec-17	NWL	2	38.557	WINTER	32166	3RS ET
06-Dec-17	NWL	3	33.211	WINTER	32166	3RS ET
07-Dec-17	AW	2	4.662	WINTER	32166	3RS ET
07-Dec-17	WL	2	8.193	WINTER	32166	3RS ET
07-Dec-17	WL	3	25.630	WINTER	32166	3RS ET
07-Dec-17	SWL	2	1.930	WINTER	32166	3RS ET
07-Dec-17	SWL	3	4.795	WINTER	32166	3RS ET
08-Dec-17	SWL	3	27.200	WINTER	32166	3RS ET
08-Dec-17	SWL	4	23.990	WINTER	32166	3RS ET
08-Dec-17	SWL	5	11.760	WINTER	32166	3RS ET
13-Dec-17	NEL	2	46.600	WINTER	32166	3RS ET
14-Dec-17	NWL	2	63.690	WINTER	32166	3RS ET
14-Dec-17	NWL	3	11.210	WINTER	32166	3RS ET
18-Dec-17	SWL	3	10.240	WINTER	32166	3RS ET
18-Dec-17	SWL	4	35.830	WINTER	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
18-Dec-17	SWL	5	17.000	WINTER	32166	3RS ET
21-Dec-17	NEL	2	10.490	WINTER	32166	3RS ET
21-Dec-17	NEL	3	25.110	WINTER	32166	3RS ET
21-Dec-17	NEL	4	10.900	WINTER	32166	3RS ET
28-Dec-17	AW	2	4.810	WINTER	32166	3RS ET
28-Dec-17	WL	2	32.373	WINTER	32166	3RS ET
28-Dec-17	WL	3	0.910	WINTER	32166	3RS ET
28-Dec-17	SWL	2	5.346	WINTER	32166	3RS ET
28-Dec-17	SWL	3	1.280	WINTER	32166	3RS ET
08-Jan-18	SWL	2	1.780	WINTER	32166	3RS ET
08-Jan-18	SWL	3	15.124	WINTER	32166	3RS ET
08-Jan-18	SWL	4	17.100	WINTER	32166	3RS ET
10-Jan-18	NEL	2	7.314	WINTER	32166	3RS ET
10-Jan-18	NEL	3	36.486	WINTER	32166	3RS ET
10-Jan-18	NEL	4	2.800	WINTER	32166	3RS ET
11-Jan-18	NEL	2	21.000	WINTER	32166	3RS ET
11-Jan-18	NEL	3	24.500	WINTER	32166	3RS ET
11-Jan-18	NEL	4	1.900	WINTER	32166	3RS ET
15-Jan-18	AW	2	4.691	WINTER	32166	3RS ET
15-Jan-18	WL	2	32.670	WINTER	32166	3RS ET
15-Jan-18	SWL	2	1.020	WINTER	32166	3RS ET
15-Jan-18	SWL	3	9.910	WINTER	32166	3RS ET
15-Jan-18	SWL	4	1.590	WINTER	32166	3RS ET
16-Jan-18	AW	2	4.820	WINTER	32166	3RS ET
16-Jan-18	WL	2	3.719	WINTER	32166	3RS ET
16-Jan-18	WL	3	29.681	WINTER	32166	3RS ET
16-Jan-18	SWL	2	14.580	WINTER	32166	3RS ET
16-Jan-18	SWL	3	14.510	WINTER	32166	3RS ET
17-Jan-18	SWL	1	12.768	WINTER	32166	3RS ET
17-Jan-18	SWL	2	38.865	WINTER	32166	3RS ET
17-Jan-18	SWL	3	9.180	WINTER	32166	3RS ET
17-Jan-18	SWL	4	1.600	WINTER	32166	3RS ET
18-Jan-18	NWL	1	6.510	WINTER	32166	3RS ET
18-Jan-18	NWL	2	66.180	WINTER	32166	3RS ET
18-Jan-18	NWL	3	1.200	WINTER	32166	3RS ET
19-Jan-18	NWL	1	2.700	WINTER	32166	3RS ET
19-Jan-18	NWL	2	68.300	WINTER	32166	3RS ET
19-Jan-18	NWL	3	3.700	WINTER	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. November and December 2017) are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
07-Nov-17	1	1211	CWD	3	NWL	3	5	ON	3RS ET	22.3622	113.8877	AUTUMN	NONE
15-Nov-17	1	0946	CWD	6	NWL	2	594	ON	3RS ET	22.3850	113.8683	AUTUMN	NONE
15-Nov-17	2	1314	CWD	1	NWL	3	4	ON	3RS ET	22.3705	113.8983	AUTUMN	NONE
17-Nov-17	1	1053	CWD	4	WL	2	668	ON	3RS ET	22.2504	113.8432	AUTUMN	NONE
20-Nov-17	1	1154	FP	2	SWL	3	122	ON	3RS ET	22.1564	113.9180	AUTUMN	NONE
21-Nov-17	1	0936	CWD	5	AW	3	46	ON	3RS ET	22.3009	113.8862	AUTUMN	NONE
21-Nov-17	2	1324	CWD	2	SWL	3	142	ON	3RS ET	22.1785	113.8689	AUTUMN	NONE
22-Nov-17	1	1121	CWD	2	SWL	3	21	ON	3RS ET	22.2048	113.9271	AUTUMN	NONE
06-Dec-17	1	1031	CWD	12	NWL	3	630	ON	3RS ET	22.2881	113.8684	WINTER	NONE
06-Dec-17	2	1113	CWD	4	NWL	3	100	ON	3RS ET	22.2719	113.8692	WINTER	NONE
06-Dec-17	3	1132	CWD	7	NWL	2	137	ON	3RS ET	22.2727	113.8733	WINTER	NONE
06-Dec-17	4	1236	CWD	5	NWL	3	494	ON	3RS ET	22.3596	113.8777	WINTER	NONE
06-Dec-17	5	1350	CWD	3	NWL	2	13	ON	3RS ET	22.3551	113.8848	WINTER	NONE
07-Dec-17	1	0929	CWD	5	AW	2	145	ON	3RS ET	22.3023	113.8765	WINTER	NONE
07-Dec-17	2	1058	CWD	3	WL	2	146	ON	3RS ET	22.2694	113.8601	WINTER	NONE
07-Dec-17	3	1126	CWD	1	WL	2	46	ON	3RS ET	22.2653	113.8580	WINTER	NONE
07-Dec-17	4	1238	CWD	3	WL	3	194	ON	3RS ET	22.2204	113.8146	WINTER	NONE
07-Dec-17	5	1407	CWD	2	WL	3	530	ON	3RS ET	22.1855	113.8498	WINTER	NONE
08-Dec-17	1	1213	FP	1	SWL	3	61	ON	3RS ET	22.1481	113.9173	WINTER	NONE
08-Dec-17	2	1258	CWD	1	SWL	5	343	ON	3RS ET	22.2053	113.9070	WINTER	NONE
14-Dec-17	1	1204	CWD	7	NWL	2	765	ON	3RS ET	22.3952	113.8884	WINTER	NONE
14-Dec-17	2	1327	CWD	2	NWL	3	127	ON	3RS ET	22.3888	113.8974	WINTER	NONE
18-Dec-17	1	1056	FP	2	SWL	4	135	ON	3RS ET	22.1511	113.9358	WINTER	NONE
28-Dec-17	1	1044	CWD	1	WL	3	216	ON	3RS ET	22.2559	113.8364	WINTER	NONE
28-Dec-17	2	1102	CWD	3	WL	2	34	ON	3RS ET	22.2541	113.8354	WINTER	NONE
28-Dec-17	3	1146	CWD	4	WL	2	82	ON	3RS ET	22.2318	113.8249	WINTER	NONE
28-Dec-17	4	1244	CWD	4	WL	2	106	ON	3RS ET	22.2146	113.8276	WINTER	NONE
28-Dec-17	5	1303	CWD	3	WL	2	100	ON	3RS ET	22.2055	113.8302	WINTER	NONE
28-Dec-17	6	1322	CWD	2	WL	2	306	ON	3RS ET	22.2024	113.8215	WINTER	NONE
28-Dec-17	7	1332	CWD	3	WL	2	N/A	OFF	3RS ET	22.2030	113.8213	WINTER	NONE
28-Dec-17	8	1428	CWD	3	SWL	2	1182	ON	3RS ET	22.1918	113.8586	WINTER	NONE

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

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

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. November and December 2017) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report.

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

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

A total of 431.208 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 22 on-effort sightings and total number of 86 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in January 2018 are shown as below:

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

$$STG = \frac{22}{431.208} \times 100 = 5.10$$

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

$$ANI = \frac{86}{431.208} \times 100 = 19.94$$

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

A total of 1124.885 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 48 on-effort sightings and total number of 183 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)







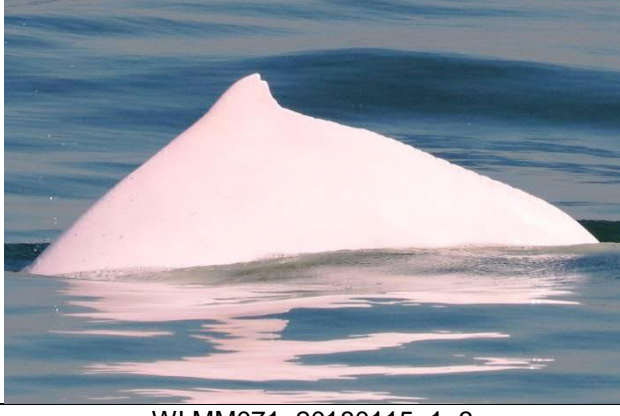

$$STG = \frac{48}{1124.885} \times 100 = 4.27$$

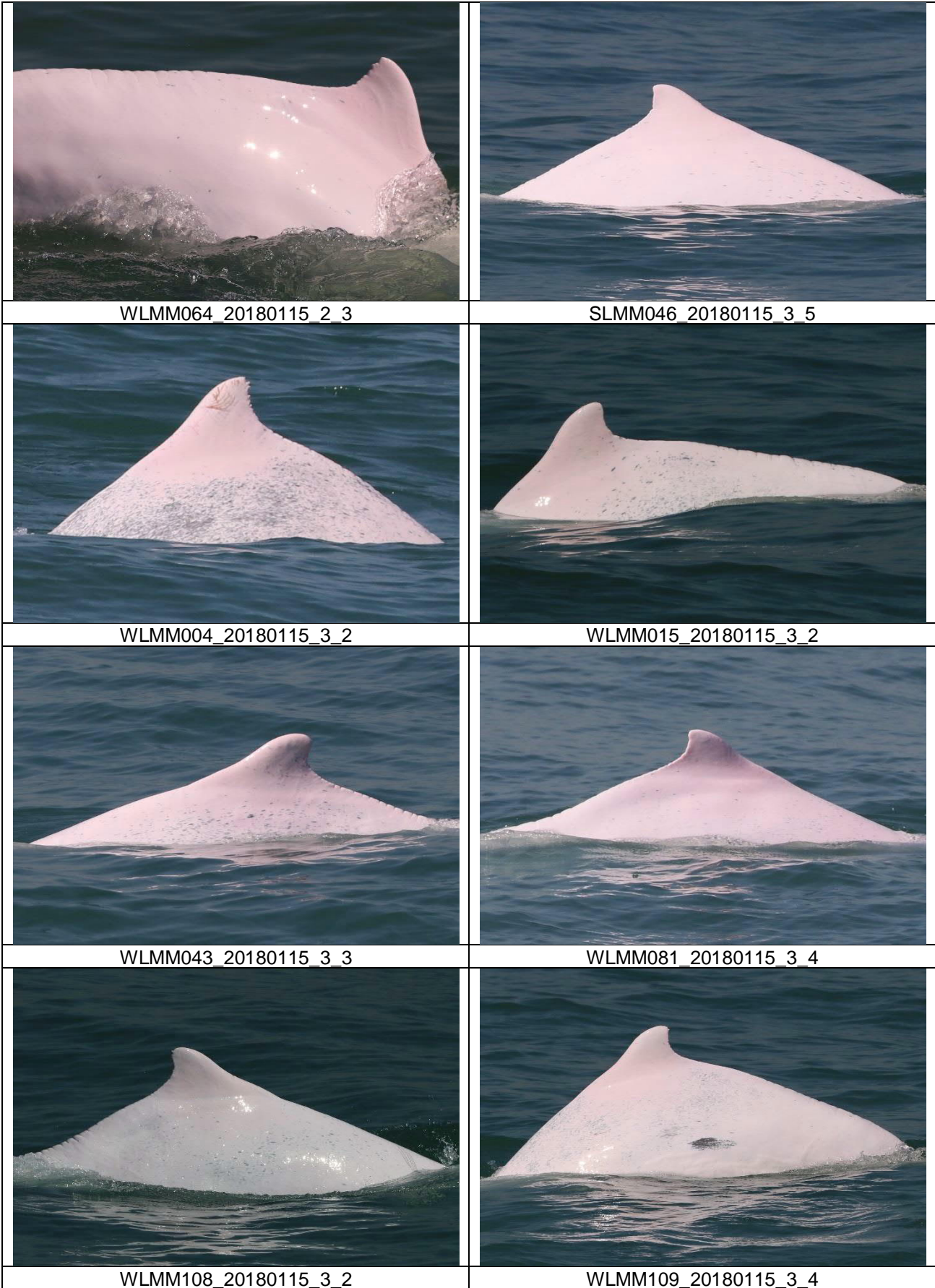
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

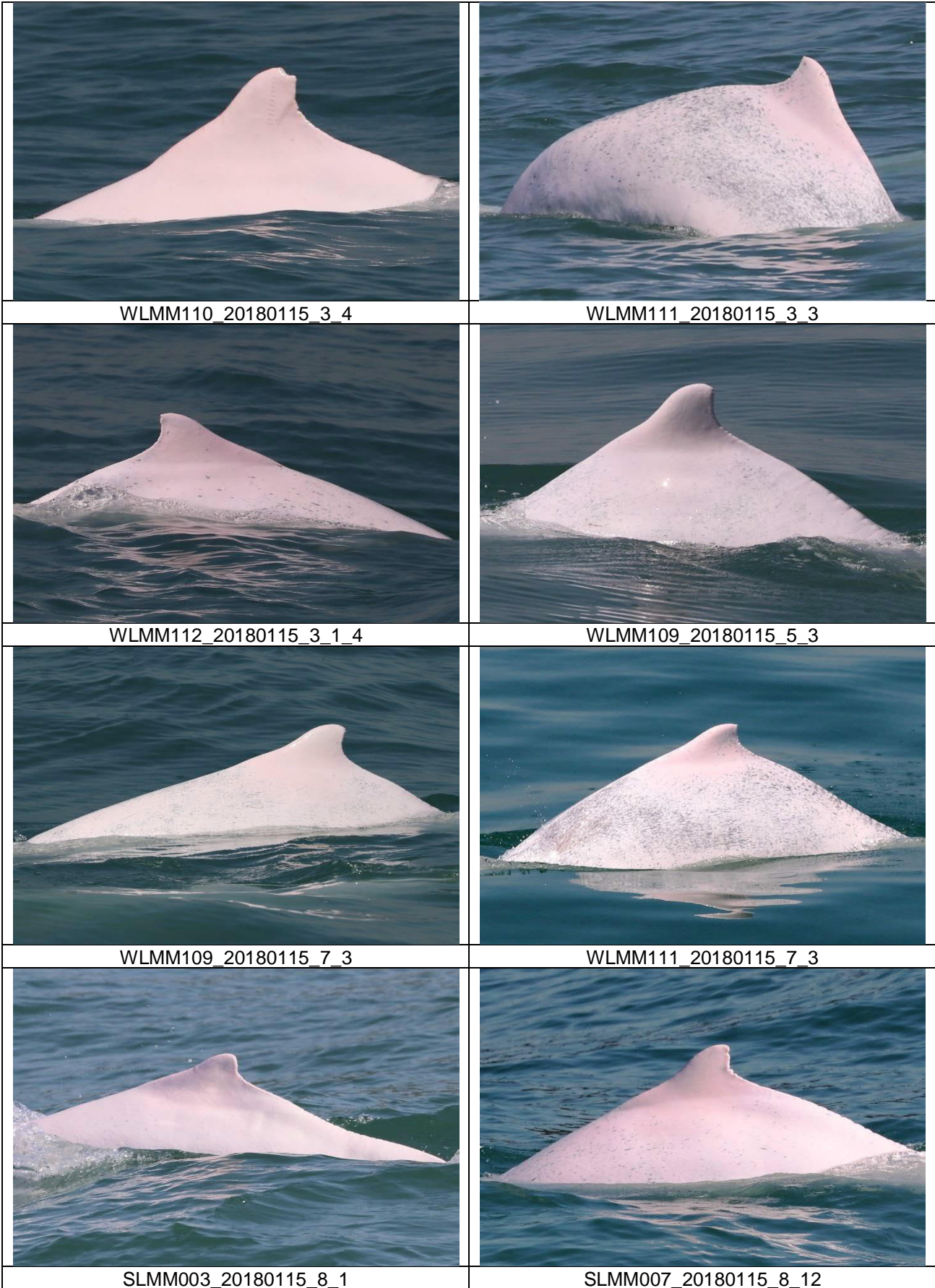
$$ANI = \frac{183}{1124.885} \times 100 = 16.27$$

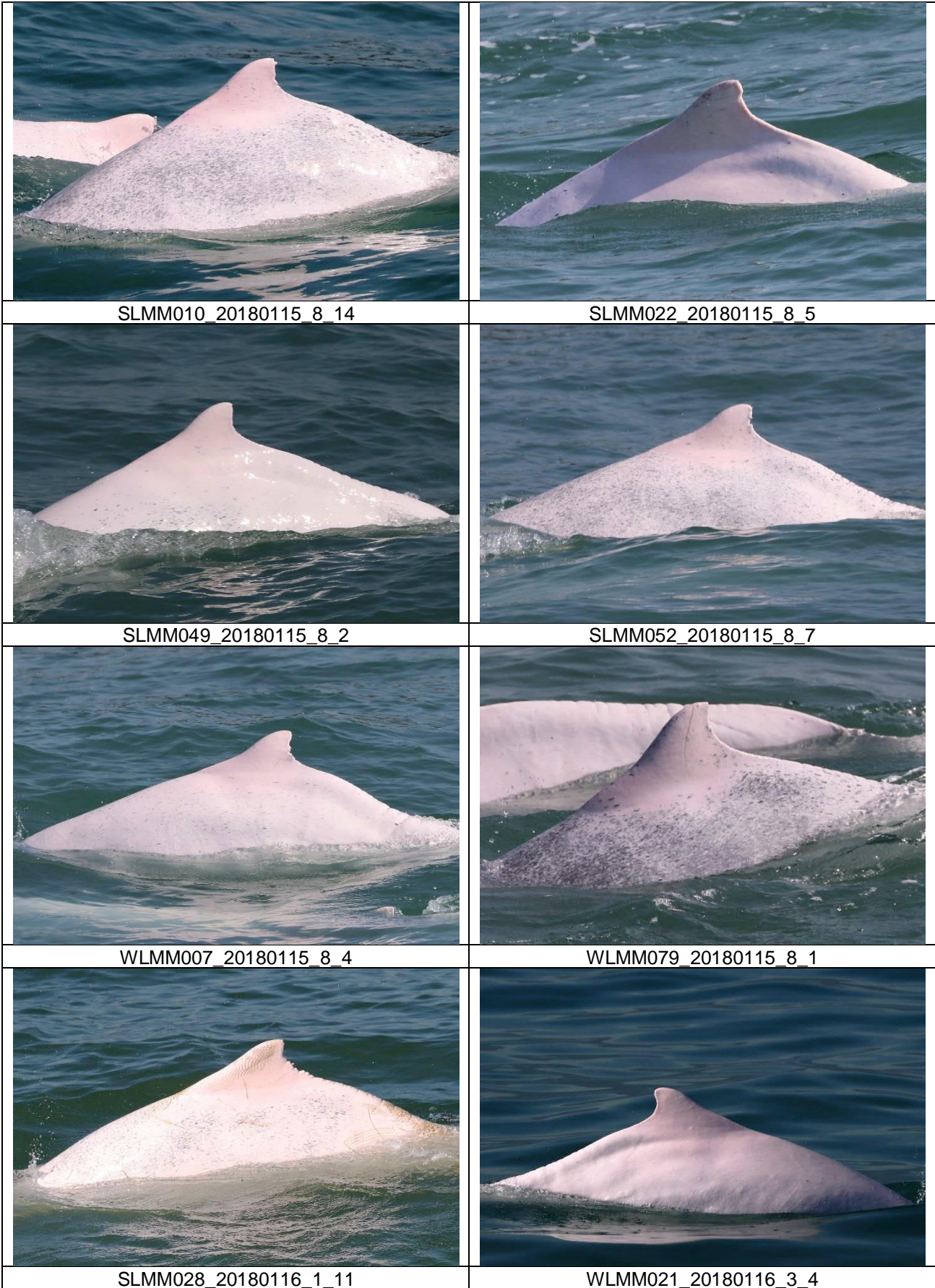
CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM060_20180108_1_1	NLMM061_20180115_1_1
	
SLMM028_20180115_1_5	WLMM026_20180115_1_5
	
WLMM027_20180115_1_3	WLMM066_20180115_1_4
	
WLMM071_20180115_1_3	NLMM062_20180115_2_3









SLMM018_20180117_5_4



SLMM030_20180117_6_4



SLMM010_20180117_7_2



SLMM012_20180117_7_4



SLMM030_20180117_7_2



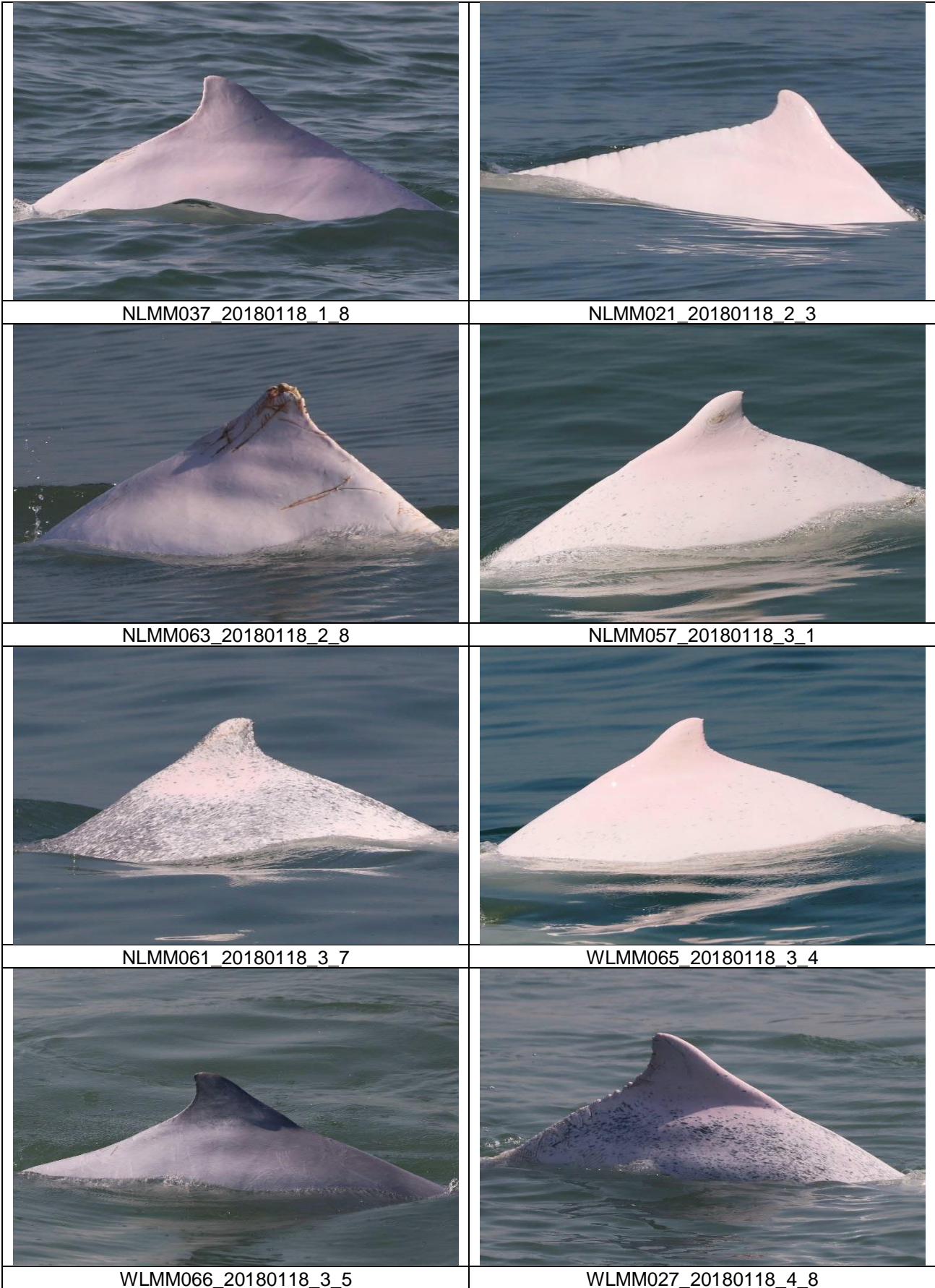
NLMM002_20180118_1_1



NLMM010_20180118_1_5



NLMM023_20180118_1_4





WLMM060_20180118_5_2



WLMM071_20180118_5_8

CWD Land-based Theodolite Tracking**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/Jan/18	Sha Chau	8:44	14:44	6:00	2	3	0	N/A
16/Jan/18	Lung Kwu Chau	8:49	14:49	6:00	2-3	3-4	2	1-5
22/Jan/18	Lung Kwu Chau	8:54	14:54	6:00	2	4	1	2
23/Jan/18	Lung Kwu Chau	9:00	15:00	6:00	1-2	3-4	1	1
24/Jan/18	Sha Chau	8:48	14:48	6:00	4	2	0	N/A

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

Ecological Monitoring Results

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

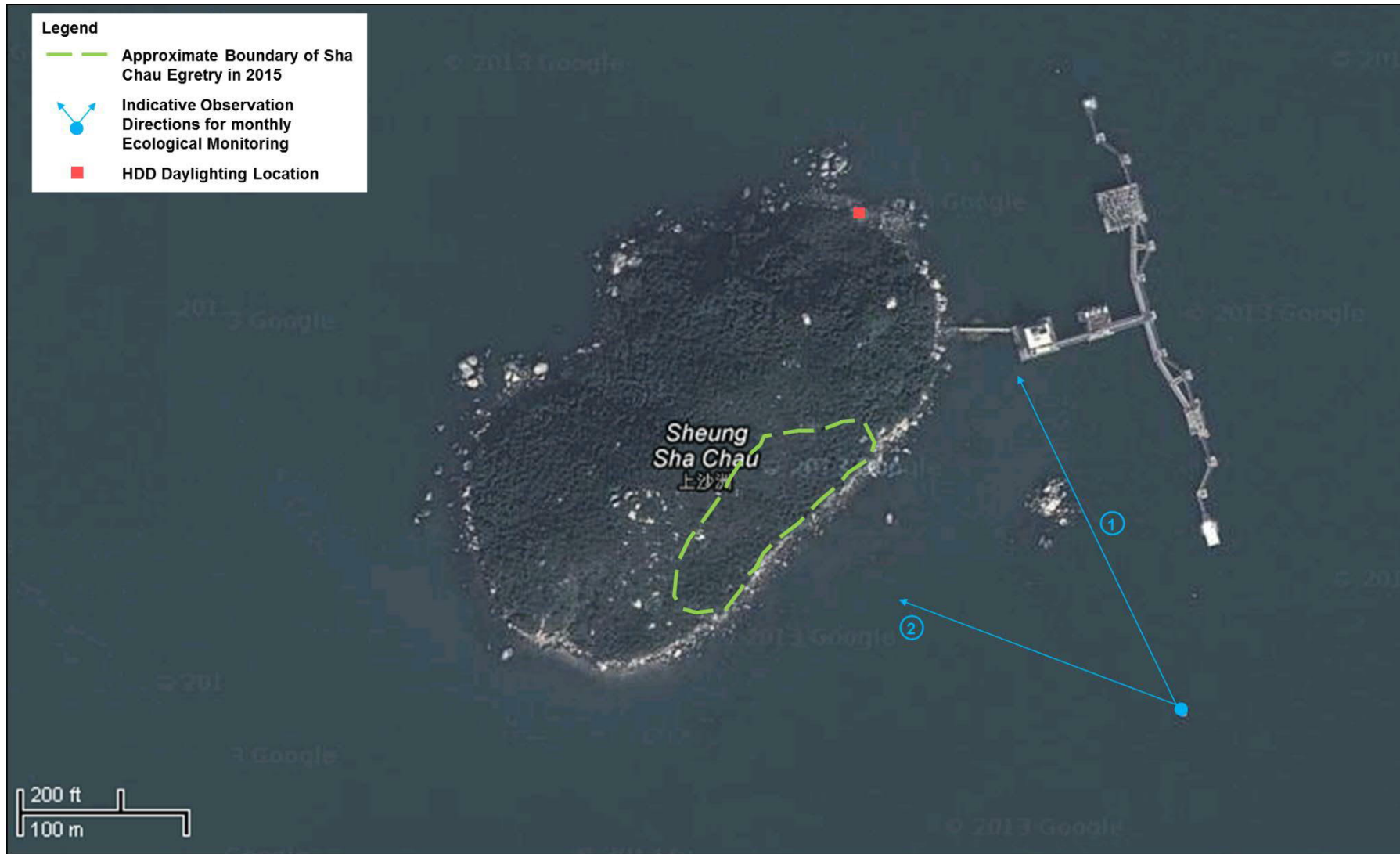


Photo record of View 1



Photo record of View 2

