

Appendix D. Monitoring Results

Air Quality Monitoring Results

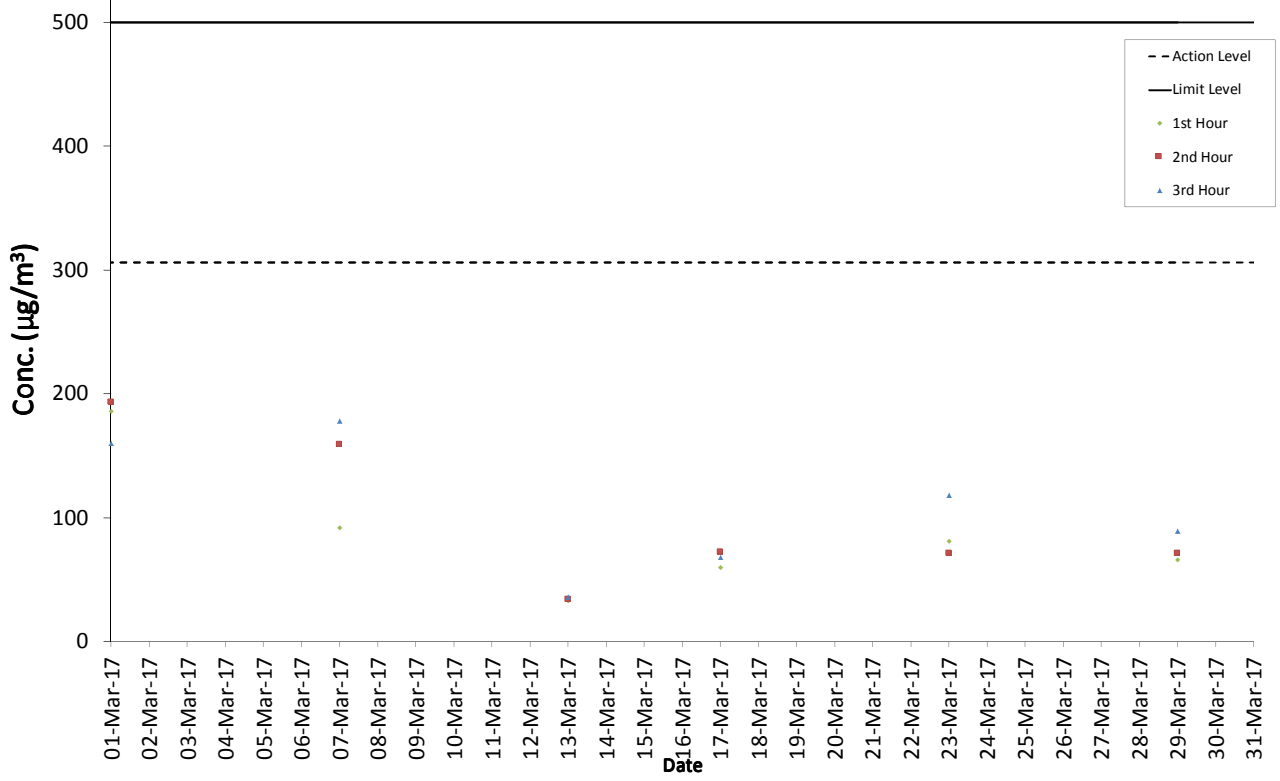
1-hour TSP Results**Station: AR1A- Man Tung Road Park**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
01-Mar-17	14:10	Fine	4.2	305	186	306	500
01-Mar-17	15:10	Fine	5.9	306	193	306	500
01-Mar-17	16:10	Fine	3.3	321	160	306	500
07-Mar-17	14:10	Cloudy	4.6	329	92	306	500
07-Mar-17	15:10	Cloudy	3.8	335	159	306	500
07-Mar-17	16:10	Cloudy	3.0	70	178	306	500
13-Mar-17	14:05	Fine	4.3	164	33	306	500
13-Mar-17	15:05	Fine	5	156	34	306	500
13-Mar-17	16:05	Fine	4.8	163	36	306	500
17-Mar-17	13:00	Cloudy	6.6	78	60	306	500
17-Mar-17	14:00	Cloudy	5.9	85	72	306	500
17-Mar-17	15:00	Cloudy	6.6	94	68	306	500
23-Mar-17	09:14	Cloudy	3.2	95	81	306	500
23-Mar-17	10:14	Cloudy	3.1	267	71	306	500
23-Mar-17	11:14	Cloudy	3.9	262	118	306	500
29-Mar-17	14:25	Fine	8.8	91	66	306	500
29-Mar-17	15:25	Fine	7.1	82	71	306	500
29-Mar-17	16:25	Fine	7.3	89	89	306	500

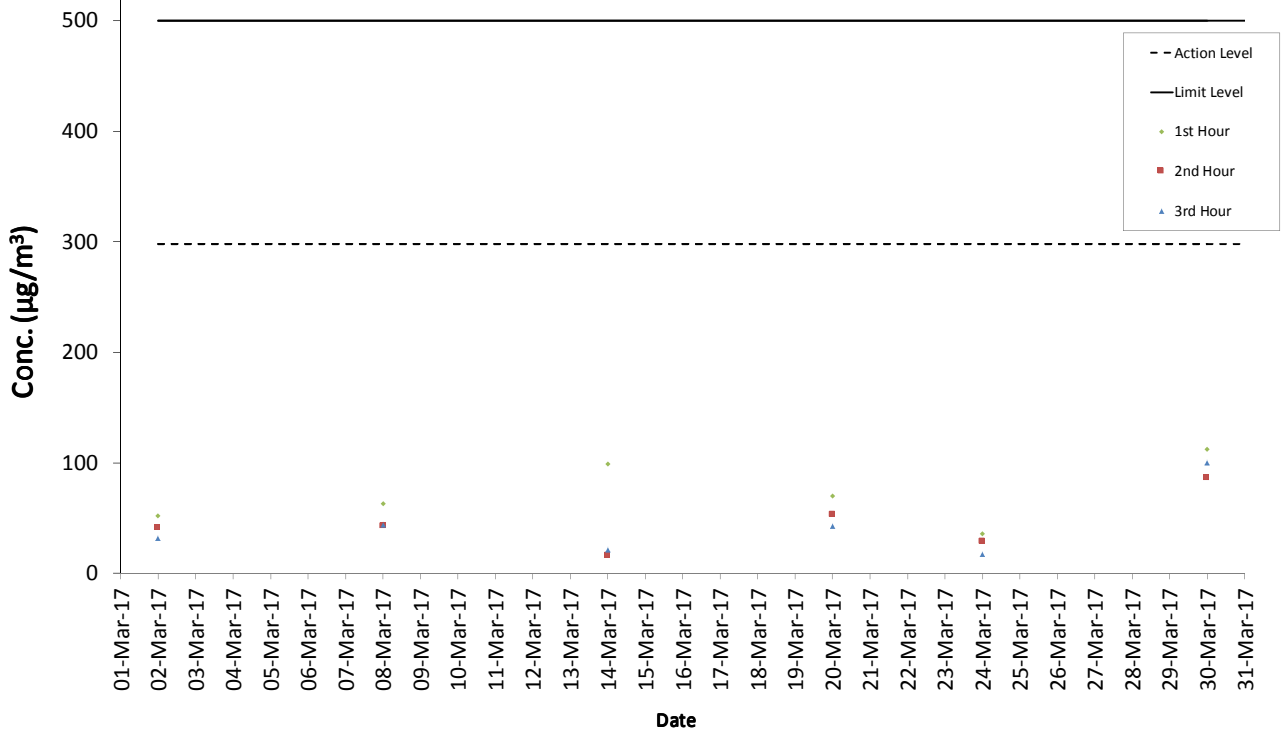
1-hour TSP Results**Station: AR2- Village House, Tin Sum**

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-Mar-17	09:00	Sunny	7.1	60	52	298	500
02-Mar-17	10:00	Sunny	5.0	48	41	298	500
02-Mar-17	11:00	Sunny	6.6	55	32	298	500
08-Mar-17	09:05	Cloudy	5.0	58	63	298	500
08-Mar-17	10:05	Cloudy	4.3	56	43	298	500
08-Mar-17	11:05	Cloudy	4.9	58	44	298	500
14-Mar-17	09:10	Drizzle	10.6	108	99	298	500
14-Mar-17	10:10	Drizzle	8.6	108	16	298	500
14-Mar-17	11:10	Drizzle	8.2	111	21	298	500
20-Mar-17	9:08	Sunny	5.8	65	70	298	500
20-Mar-17	10:08	Sunny	4.9	54	53	298	500
20-Mar-17	11:08	Sunny	4.9	56	43	298	500
24-Mar-17	09:00	Sunny	8.8	92	36	298	500
24-Mar-17	10:00	Sunny	9.9	87	29	298	500
24-Mar-17	11:00	Sunny	9.0	84	17	298	500
30-Mar-17	08:50	Fine	9.8	93	112	298	500
30-Mar-17	09:50	Fine	8.3	92	86	298	500
30-Mar-17	10:50	Fine	9.0	101	100	298	500

AR1A 1-Hour TSP



AR2 1-Hour TSP



Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
01-Mar-17	Fine	14:25	71.0	56.5	71
01-Mar-17	Fine	14:30	71.0	57.0	
01-Mar-17	Fine	14:35	71.0	58.0	
01-Mar-17	Fine	14:40	70.5	56.5	
01-Mar-17	Fine	14:45	73.0	56.0	
01-Mar-17	Fine	14:50	71.5	55.5	
07-Mar-17	Fine	14:40	72.0	54.0	71
07-Mar-17	Fine	14:45	72.0	54.0	
07-Mar-17	Fine	14:50	71.0	54.0	
07-Mar-17	Fine	14:55	72.0	54.0	
07-Mar-17	Fine	15:00	72.0	54.0	
07-Mar-17	Fine	15:05	72.5	54.5	
13-Mar-17	Fine	14:18	70.5	53.5	71
13-Mar-17	Fine	14:23	70.5	53.0	
13-Mar-17	Fine	14:28	74.0	54.5	
13-Mar-17	Fine	14:33	71.0	53.5	
13-Mar-17	Fine	14:38	71.0	55.0	
13-Mar-17	Fine	14:43	72.0	54.0	
23-Mar-17	Cloudy	09:35	72.0	57.5	71
23-Mar-17	Cloudy	09:40	72.0	57.0	
23-Mar-17	Cloudy	09:45	72.5	57.5	
23-Mar-17	Cloudy	09:50	71.5	54.0	
23-Mar-17	Cloudy	09:55	68.5	53.0	
23-Mar-17	Cloudy	10:00	72.0	54.0	
29-Mar-17	Fine	15:14	70.5	54.5	73
29-Mar-17	Fine	15:19	73.0	54.0	
29-Mar-17	Fine	15:24	74.0	54.0	
29-Mar-17	Fine	15:29	73.5	56.0	
29-Mar-17	Fine	15:34	73.5	57.5	
29-Mar-17	Fine	15:39	74.0	54.5	

Remarks:

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

Noise Measurement Results

Station: NM3A- Site Office

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
02-Mar-17	Sunny	14:15	65.5	57.5	63
02-Mar-17	Sunny	14:20	64.0	58.0	
02-Mar-17	Sunny	14:25	69.5	58.0	
02-Mar-17	Sunny	14:30	67.5	58.0	
02-Mar-17	Sunny	14:35	65.5	58.5	
02-Mar-17	Sunny	14:40	66.5	58.0	
08-Mar-17	Cloudy	13:45	73.0	59.5	61
08-Mar-17	Cloudy	13:50	67.0	58.0	
08-Mar-17	Cloudy	13:55	69.0	56.5	
08-Mar-17	Cloudy	14:00	68.0	56.0	
08-Mar-17	Cloudy	14:05	63.5	57.0	
08-Mar-17	Cloudy	14:10	69.5	57.0	
14-Mar-17	Cloudy	14:55	62.5	56.0	63
14-Mar-17	Cloudy	15:00	68.0	55.5	
14-Mar-17	Cloudy	15:05	68.0	56.0	
14-Mar-17	Cloudy	15:10	65.0	55.0	
14-Mar-17	Cloudy	15:15	69.5	55.5	
14-Mar-17	Cloudy	15:20	68.0	56.0	
20-Mar-17	Sunny	14:45	63.0	59.5	61
20-Mar-17	Sunny	14:50	61.5	59.5	
20-Mar-17	Sunny	14:55	63.5	60.0	
20-Mar-17	Sunny	15:00	63.5	60.0	
20-Mar-17	Sunny	15:05	61.5	59.0	
20-Mar-17	Sunny	15:10	60.5	59.0	
30-Mar-17	Fine	13:16	69.0	58.0	57
30-Mar-17	Fine	13:21	67.0	58.0	
30-Mar-17	Fine	13:26	67.0	58.0	
30-Mar-17	Fine	13:31	67.0	57.5	
30-Mar-17	Fine	13:36	68.5	59.0	
30-Mar-17	Fine	13:41	69.5	58.0	

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Won Primary School

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
01-Mar-17	Fine	13:34	63.5	60.0	60
01-Mar-17	Fine	13:39	65.5	60.0	
01-Mar-17	Fine	13:44	67.5	61.5	
01-Mar-17	Fine	13:49	65.5	60.0	
01-Mar-17	Fine	13:54	65.0	59.5	
01-Mar-17	Fine	13:59	68.5	57.5	
07-Mar-17	Cloudy	13:23	65.5	59.0	65
07-Mar-17	Cloudy	13:28	63.0	59.5	
07-Mar-17	Cloudy	13:33	62.5	59.0	
07-Mar-17	Cloudy	13:38	64.5	59.0	
07-Mar-17	Cloudy	13:43	64.0	59.5	
07-Mar-17	Cloudy	13:48	64.0	59.5	
13-Mar-17	Fine	13:15	69.5	65.0	66
13-Mar-17	Fine	13:20	64.5	59.0	
13-Mar-17	Fine	13:25	62.5	58.0	
13-Mar-17	Fine	13:30	63.0	58.0	
13-Mar-17	Fine	13:35	63.0	59.0	
13-Mar-17	Fine	13:40	65.0	59.0	
23-Mar-17	Cloudy	10:50	65.5	58.5	66
23-Mar-17	Cloudy	10:55	64.0	59.0	
23-Mar-17	Cloudy	11:00	65.0	59.0	
23-Mar-17	Cloudy	11:05	65.5	60.0	
23-Mar-17	Cloudy	11:10	65.0	59.5	
23-Mar-17	Cloudy	11:15	66.5	59.5	
29-Mar-17	Fine	11:15	62.5	58.0	65
29-Mar-17	Fine	11:20	62.5	58.5	
29-Mar-17	Fine	11:25	63.5	58.5	
29-Mar-17	Fine	11:30	64.0	58.5	
29-Mar-17	Fine	11:35	67.0	59.5	
29-Mar-17	Fine	11:40	64.0	58.5	

Remarks:

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

The examination period at NM4 was from 27 to 31 March 2017.

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
02-Mar-17	Sunny	09:20	58.0	52.5	53
02-Mar-17	Sunny	09:25	62.5	52.5	
02-Mar-17	Sunny	09:30	56.5	50.5	
02-Mar-17	Sunny	09:35	62.0	51.0	
02-Mar-17	Sunny	09:40	58.0	52.0	
02-Mar-17	Sunny	09:45	60.0	52.0	
08-Mar-17	Cloudy	11:10	63.0	52.5	61
08-Mar-17	Cloudy	11:15	63.0	57.5	
08-Mar-17	Cloudy	11:20	63.0	54.0	
08-Mar-17	Cloudy	11:25	62.0	55.5	
08-Mar-17	Cloudy	11:30	61.5	49.5	
08-Mar-17	Cloudy	11:35	59.5	48.5	
14-Mar-17	Cloudy	09:40	62.0	51.5	61
14-Mar-17	Cloudy	09:45	64.5	50.5	
14-Mar-17	Cloudy	09:50	66.0	51.0	
14-Mar-17	Cloudy	09:55	60.0	51.0	
14-Mar-17	Cloudy	10:00	59.5	51.0	
14-Mar-17	Cloudy	10:05	63.5	50.0	
20-Mar-17	Sunny	9:20	63.5	51.5	59
20-Mar-17	Sunny	09:25	62.0	52.0	
20-Mar-17	Sunny	09:30	60.5	52.5	
20-Mar-17	Sunny	09:35	58.0	51.5	
20-Mar-17	Sunny	09:40	57.5	49.5	
20-Mar-17	Sunny	09:45	55.0	48.5	
30-Mar-17	Fine	09:43	55.5	48.0	56
30-Mar-17	Fine	09:48	56.5	49.0	
30-Mar-17	Fine	09:53	54.5	49.5	
30-Mar-17	Fine	09:58	56.5	47.5	
30-Mar-17	Fine	10:03	55.0	48.0	
30-Mar-17	Fine	10:08	52.5	48.0	

Remarks:

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

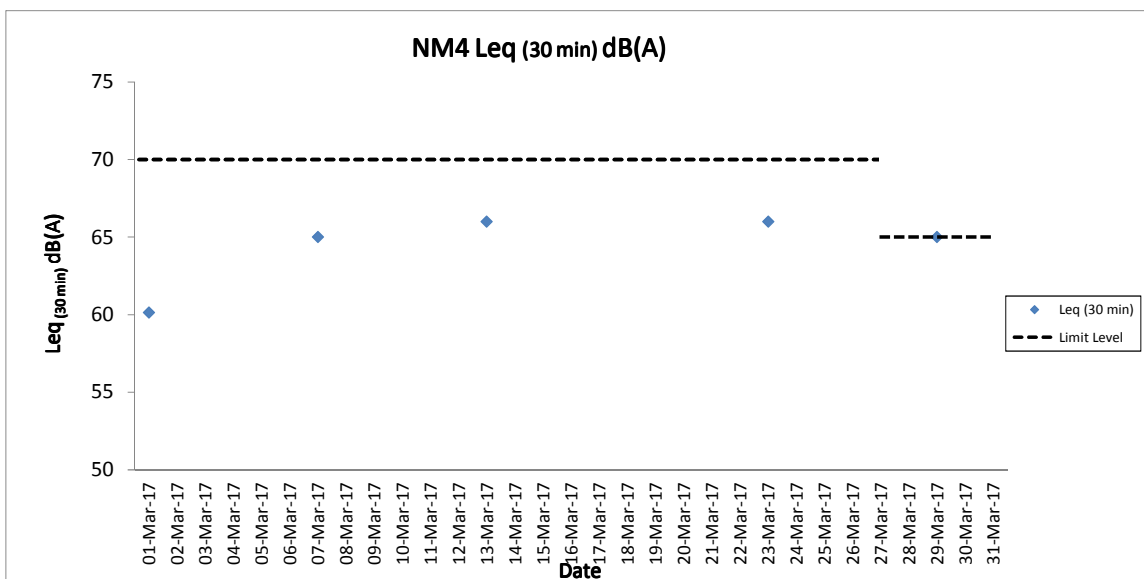
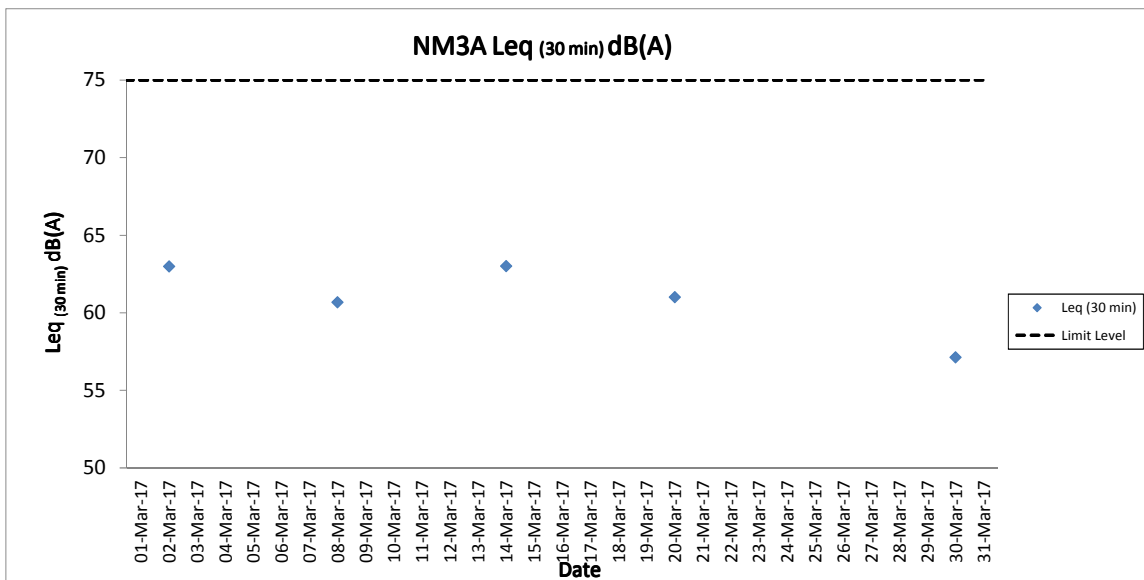
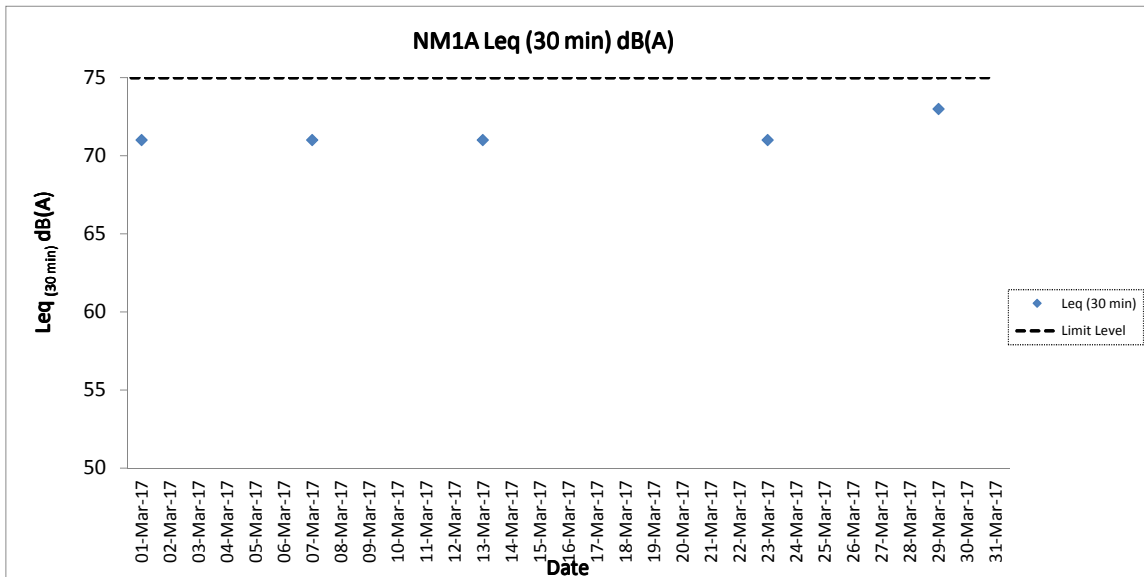
Noise Measurement Results

Station: NM6- House No.1 Sha Lo Wan

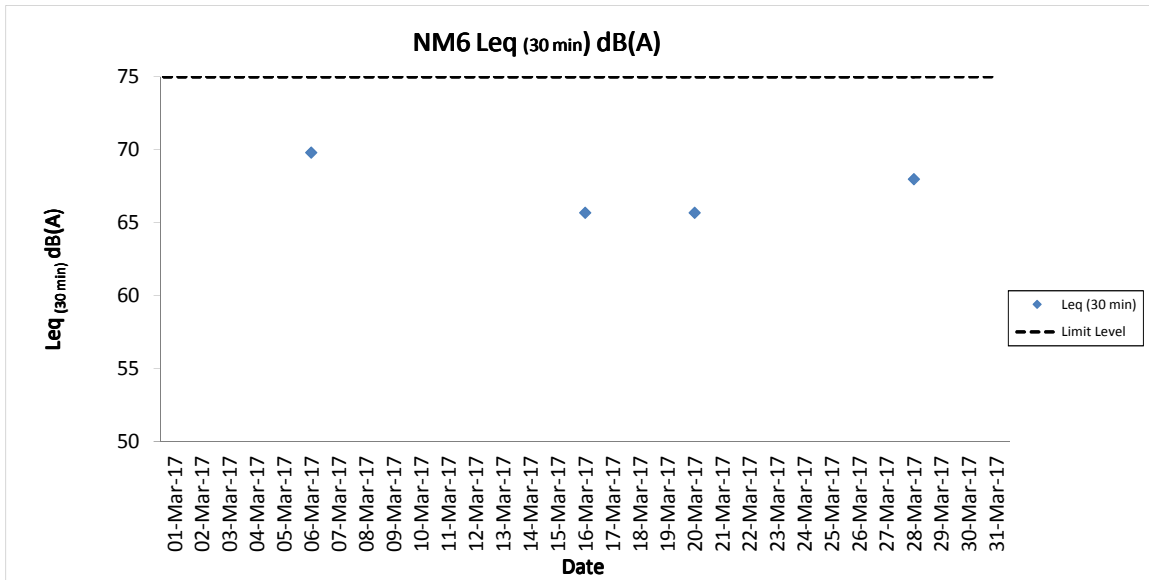
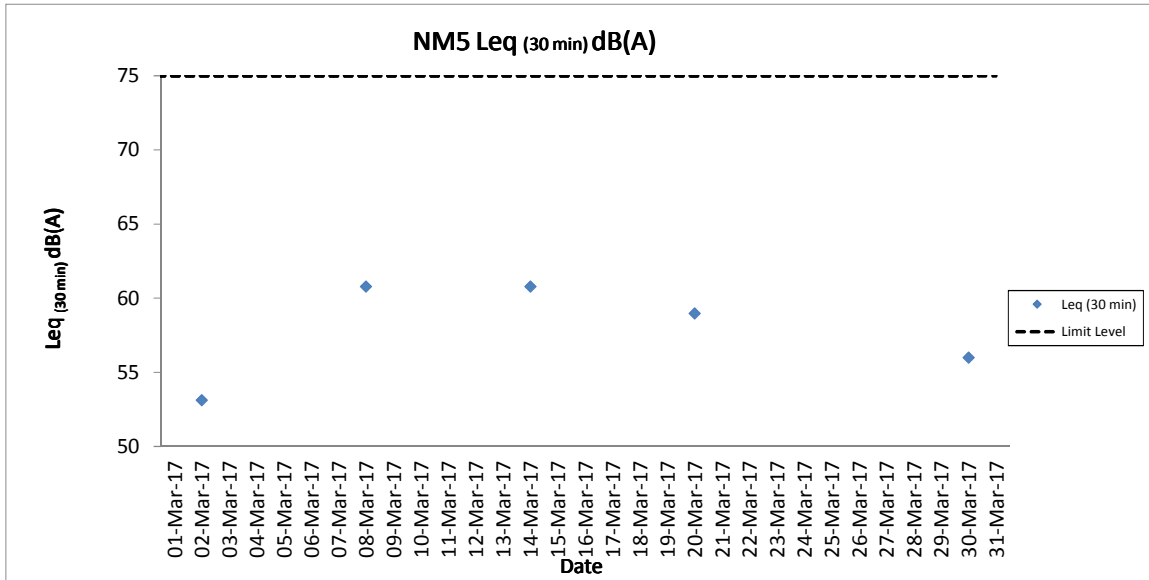
Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
06-Mar-17	Cloudy	09:38	72.0	61.5	70
06-Mar-17	Cloudy	09:43	71.0	63.0	
06-Mar-17	Cloudy	09:48	75.0	64.0	
06-Mar-17	Cloudy	09:53	73.0	63.5	
06-Mar-17	Cloudy	09:58	67.5	59.5	
06-Mar-17	Cloudy	10:03	71.0	60.5	
16-Mar-17	Cloudy	09:38	72.0	60.0	66
16-Mar-17	Cloudy	09:43	73.5	59.5	
16-Mar-17	Cloudy	09:48	71.0	61.0	
16-Mar-17	Cloudy	09:53	69.0	61.5	
16-Mar-17	Cloudy	09:58	66.5	62.0	
16-Mar-17	Cloudy	10:03	69.5	60.0	
20-Mar-17	Sunny	9:41	74.0	57.0	66
20-Mar-17	Sunny	09:46	69.0	56.5	
20-Mar-17	Sunny	09:51	68.5	55.5	
20-Mar-17	Sunny	09:56	75.0	55.5	
20-Mar-17	Sunny	10:01	71.0	54.5	
20-Mar-17	Sunny	10:06	66.0	52.5	
28-Mar-17	Sunny	09:38	68.5	54.5	68
28-Mar-17	Sunny	09:43	75.0	56.5	
28-Mar-17	Sunny	09:48	68.5	55.5	
28-Mar-17	Sunny	09:53	71.0	56.0	
28-Mar-17	Sunny	09:58	72.0	55.5	
28-Mar-17	Sunny	10:03	71.0	55.5	

Remarks:

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



Note: The examination period at NM4 was from 27 March to 31 March.



Water Quality Monitoring Results

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Sunny	Rough	09:27	8.2	Surface	1.0	0.9	116	14.9	7.8	7.8	32.7	32.7	96.9	96.9	8.0	8.0	37.8	45	78	47.9	58	80	80	815623	804265	<0.2	<0.2	1.1	1.1						
						1.0	1.0	119	14.9	7.8	7.8	32.7	32.7	96.9	96.9	8.0	8.0	37.8	49	79	49	79	49	79	49	79	49	79	49	79	49	79	49	79		
						4.1	1.0	94	14.9	7.8	7.8	32.7	32.7	96.8	96.8	8.0	8.0	39.5	55	80	55	80	55	80	55	80	55	80	55	80	55	80	55	80	55	80
					Middle	4.1	1.0	97	14.9	7.8	7.8	32.7	32.7	96.8	96.8	8.0	8.0	39.6	59	80	59	80	59	80	59	80	59	80	59	80	59	80	59	80	59	80
						7.2	1.0	96	14.9	7.8	7.8	32.7	32.7	97.0	97.0	8.0	8.0	66.2	72	81	72	81	72	81	72	81	72	81	72	81	72	81	72	81	72	81
						7.2	1.1	103	14.9	7.8	7.8	32.7	32.7	97.0	97.0	8.0	8.0	66.2	67	81	67	81	67	81	67	81	67	81	67	81	67	81	67	81	67	81
C2	Sunny	Moderate	11:00	12.6	Surface	1.0	0.9	193	17.7	7.9	7.9	27.4	27.4	94.0	94.0	7.6	7.6	17.6	20	76	23.1	24	81	81	825677	806961	<0.2	<0.2	1.7	1.7						
						1.0	1.0	209	17.7	7.9	7.9	27.4	27.4	94.0	94.0	7.6	7.6	17.6	18	77	18	77	18	77	18	77	18	77	18	77	18	77	18	77		
						6.3	0.9	193	17.6	7.9	7.9	27.6	27.6	93.4	93.4	7.6	7.6	22.7	27	81	27	81	27	81	27	81	27	81	27	81	27	81	27	81	27	81
					Middle	6.3	0.9	206	17.6	7.9	7.9	27.6	27.6	93.4	93.4	7.6	7.6	22.7	26	82	26	82	26	82	26	82	26	82	26	82	26	82	26	82	26	82
						11.6	0.8	138	17.6	7.9	7.9	27.8	27.8	93.4	93.4	7.5	7.5	29.0	27	83	27	83	27	83	27	83	27	83	27	83	27	83	27	83	27	83
						11.6	0.8	145	17.6	7.9	7.9	27.8	27.8	93.4	93.4	7.5	7.5	29.0	27	84	27	84	27	84	27	84	27	84	27	84	27	84	27	84	27	84
C3	Cloudy	Moderate	08:21	11.5	Surface	1.0	0.8	250	17.6	8.0	8.0	29.5	29.5	96.4	96.4	7.7	7.7	8.7	10	80	13.4	12	83	83	822095	817811	<0.2	<0.2	0.7	0.7						
						1.0	0.8	265	17.6	8.0	8.0	29.5	29.5	96.4	96.4	7.7	7.7	8.8	12	80	12	80	12	80	12	80	12	80	12	80	12	80	12	80		
						5.8	0.7	264	17.6	8.0	8.0	29.7	29.7	96.1	96.1	7.7	7.7	11.6	11	83	11	83	11	83	11	83	11	83	11	83	11	83	11	83		
					Middle	5.8	0.8	265	17.6	8.0	8.0	29.7	29.7	96.1	96.1	7.7	7.7	12.3	13	83	13	83	13	83	13	83	13	83	13	83	13	83	13	83	13	83
						10.5	0.7	258	17.6	8.0	8.0	29.7	29.7	96.8	96.8	7.7	7.7	19.5	12	85	12	85	12	85	12	85	12	85	12	85	12	85	12	85	12	85
						10.5	0.7	261	17.6	8.0	8.0	29.7	29.7	97.2	97.2	7.8	7.8	19.4	12	85	12	85	12	85	12	85	12	85	12	85	12	85	12	85	12	85
IM1	Sunny	Rough	09:44	7.7	Surface	1.0	0.8	83	15.1	7.8	7.8	32.4	32.4	95.8	95.8	7.9	7.9	37.0	63	80	51.1	63	82	82	818357	806467	<0.2	<0.2	1.0	1.0						
						1.0	0.8	89	15.1	7.8	7.8	32.4	32.4	95.8	95.8	7.9	7.9	37.0	53	80	53	80	53	80	53	80	53	80	53	80	53	80	53	80		
						3.9	0.8	76	15.1	7.8	7.8	32.3	32.3	95.6	95.6	7.9	7.9	52.2	57	81	57	81	57	81	57	81	57	81	57	81	57	81	57	81		
					Middle	3.9	0.8	77	15.1	7.8	7.8	32.3	32.3	95.6	95.6	7.9	7.9	51.8	54	81	54	81	54	81	54	81	54	81	54	81	54	81	54	81	54	81
						6.7	0.6	112	15.1	7.8	7.8	32.3	32.3	95.9	95.9	7.9	7.9	64.3	77	83	77	83	77	83	77	83	77	83	77	83	77	83	77	83		
						6.7	0.7	120	15.1	7.8	7.8	32.3	32.3	95.9	95.9	7.9	7.9	64.5	82	83	82	83	82	83	82	83	82	83	82	83	82	83	82	83		
IM2	Sunny	Rough	09:51	8.4	Surface	1.0	0.9	106	15.1	7.8	7.8	32.5	32.5	95.9	96.0	7.9	7.9	39.3	64	81	51.3	64	82	82	818860	806184	<0.2	<0.2	0.9	0.8						
						1.0	1.0	109	15.1	7.8	7.8	32.5	32.5	96.0	96.0	7.9	7.9	38.7	49	81	49	81	49	81	49	81	49	81	49	81	49	81				
						4.2	0.9	96	15.1	7.8	7.8	32.5	32.5	95.9	95.9	7.9	7.9	52.3	68	82	68	82	68	82	68	82	68	82	68	82	68	82	68	82		
					Middle	4.2	0.9	104	15.1	7.8	7.8	32.5	32.5	95.9	95.9	7.9	7.9	52.5	72	81	72	81	72	81	72	81	72	81	72	81	72	81	72	81		
						7.4	1.1	128	15.1	7.8	7.8	32.5	32.5	96.3	96.3	7.9	7.9	62.6	73	83	73	83	73	83	73	83	73	83	73	83	73	83	73	83		
						7.4	1.2	140	15.1	7.8	7.8	32.5	32.5	96.3	96.3	7.9	7.9	62.5	76	83	76	83	76	83	76	83	76	83	76	83	76	83	76	83		
IM3	Sunny	Rough	09:59	8.8	Surface	1.0	1.0	109	15.1	7.8	7.8	32.6	32.6	96.3	96.3	7.9	7.9	25.2	32	82	32.1	36	83	83	819403	806009	<0.2	<0.2	0.9	0.9						
						1.0	1.1	110	15.1	7.8	7.8	32.6	32.6	96.3	96.3	7.9	7.9	25.2	30	82	30	82	30	82	30	82	30	82	30	82	30	82				
						4.4	1.0	107	15.1	7.8	7.8	32.6	32.6	96.4	96.4	7.9	7.9	35.1	38	83	38	83	38	83	38	83	38	83	38	83	38	83				
					Middle	4.4	1.0	115	15.1	7.8	7.8	32.6	32.6	96.4	96.4	7.9	7.9	35.3	39	83	39	83	39	83	39	83	39	83	39	83	39	83	39	83		
						7.8	0.9	120	15.1	7.8	7.8	32.6	32.6	97.1	97.1	8.0	8.0	36.2	37	84	37	84	37	84	37	84	37	84	37	84	37	84	37	84		
						7.8	0.9	124	15.1	7.8	7.8	32.6	32.6	97.2	97.2	8.0	8.0	35.8	40	84	40	84	40	84	40	84	40	84	40	84	40	84	40	84		
IM4	Sunny	Rough	10:10	8.2	Surface	1.0	0.8	78	15.1	7.8	7.8	32.7	32.7	96.1	96.2	7.9	7.9	28.9	44	79	43.5	58	81	81	819568	805022	<0.2	<0.2	0.8	0.8						
						1.0	0.9	81	15.1	7.8	7.8	32.7	32.7	96.2	96.2	7.9	7.9	28.9	41	80	41	80	41	80	41	80	41	80	41	80	41	80				
						4.1	0.8	66	15.0	7.8	7.8	32.6	32.6	96.0	96.0	7.9	7.9	48.0	54	81	54	81	54	81	54	81	54	81	54	81	54	81	54	81		
					Middle	4.1	0.9	68	15.0	7.8	7.8	32.6	32.6	96.0	96.0	7.9	7.9	48.5	53	81	53	81	53	81	53	81	53	81	53	81	53	81	53	81		
						7.2	0.8	82	15.0	7.8	7.8	32.6	32.6	96.7	96.8	8.0	8.0	53.3	80	82	80	82	80	82	80	82	80	82	80	82	80	82	80	82		
						7.2	0.9	88	15.0	7.8	7.8	32.6	32.6	96.8	96.8	8.0	8.0	53.2	76	82	76	82	76	82	76	82	76	82	76	82	76	82	76	82		
IM5	Sunny	Rough	10:19	7.2	Surface	1.0	0.9	78	15.1																											

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

Water Quality Monitoring Results on 02 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	14:55	8.4	Surface	1.0	0.6	175	15.2	15.2	7.9	7.9	34.0	34.0	99.9	99.9	8.1	8.1	7.5	7.5	8	8	80	80	815625	804253	<0.2	<0.2	1.0	1.0		
						1.0	0.6	178	15.2	7.9	7.9	34.0	34.0	99.9	99.9	8.1	8.1	7.5	7.5	9	9	81	81	82					82	3.2	3.2	
					Middle	4.2	0.5	191	15.1	15.1	7.9	7.9	34.1	34.2	99.7	99.7	8.1	8.1	7.5	7.5	8	8	82	82					82	82	3.0	3.0
						4.2	0.5	191	15.1	15.1	7.9	7.9	34.2	34.2	99.7	99.7	8.1	8.1	7.5	7.5	8	8	82	82					82	82	3.0	3.0
					Bottom	7.4	0.6	205	14.8	14.8	7.9	7.9	34.7	34.7	99.5	99.5	8.1	8.1	7.8	7.8	9	9	83	83					84	84	1.9	1.9
						7.4	0.6	216	14.8	14.8	7.9	7.9	34.7	34.7	99.5	99.5	8.1	8.1	7.8	7.8	9	9	83	83					84	84	1.8	1.8
C2	Cloudy	Moderate	13:49	14.2	Surface	1.0	0.6	151	18.0	18.0	8.0	8.0	27.7	27.7	95.0	95.0	7.6	7.6	12.9	12.9	11	11	76	76	825679	806944	<0.2	<0.2	2.2	2.2		
						1.0	0.6	155	18.0	18.0	8.0	8.0	27.7	27.7	95.0	95.0	7.6	7.6	12.9	12.9	10	10	77	77					2.3	2.3		
					Middle	7.1	0.5	155	17.9	17.9	8.0	8.0	27.8	27.8	94.7	94.7	7.6	7.6	14.9	14.9	24	24	82	82					1.9	1.9		
						7.1	0.5	156	17.9	17.9	8.0	8.0	27.8	27.8	94.7	94.7	7.6	7.6	14.9	14.9	24	24	82	82					2.1	2.1		
					Bottom	13.2	0.5	199	17.8	17.8	8.0	8.0	28.2	28.2	94.9	94.9	7.6	7.6	25.6	25.6	24	24	84	84					1.9	1.9		
						13.2	0.5	217	17.8	17.8	8.0	8.0	28.2	28.2	94.9	94.9	7.6	7.6	25.6	25.6	25	25	84	84					1.8	1.8		
C3	Cloudy	Moderate	15:25	12.3	Surface	1.0	0.8	95	17.9	17.9	8.0	8.0	29.8	29.8	95.2	95.2	7.6	7.6	6.7	6.7	6	6	80	80	822112	817790	<0.2	<0.2	1.2	1.2		
						1.0	0.8	95	17.8	17.8	8.0	8.0	29.8	29.8	95.1	95.1	7.6	7.6	6.8	6.8	8	8	80	80					1.4	1.4		
					Middle	6.2	0.7	101	17.6	17.6	8.0	8.0	30.2	30.2	94.0	94.0	7.5	7.5	7.7	7.7	9	9	83	83					1.0	1.0		
						6.2	0.7	104	17.6	17.6	8.0	8.0	30.2	30.2	94.0	94.0	7.5	7.5	7.7	7.7	7	7	82	82					0.9	0.9		
					Bottom	11.3	0.7	111	17.5	17.5	8.0	8.0	30.4	30.4	94.3	94.3	7.5	7.5	11.4	11.4	8	8	85	85					1.1	1.1		
						11.3	0.7	114	17.5	17.5	8.0	8.0	30.4	30.4	94.3	94.3	7.5	7.5	11.4	11.4	9	9	85	85					1.1	1.1		
IM1	Sunny	Moderate	14:35	7.7	Surface	1.0	0.4	190	15.5	15.5	7.9	7.9	34.0	34.0	100.1	100.1	8.1	8.1	9.9	9.9	10	10	81	81	818364	806472	<0.2	<0.2	1.0	1.0		
						1.0	0.4	193	15.5	15.5	7.9	7.9	34.0	34.0	100.1	100.1	8.1	8.1	10.0	10.0	11	11	81	81					1.1	1.1		
					Middle	3.9	0.4	157	15.3	15.3	7.9	7.9	34.2	34.2	99.8	99.8	8.1	8.1	8.8	8.8	11	11	82	82					1.0	1.0		
						3.9	0.5	158	15.3	15.3	7.9	7.9	34.2	34.2	99.9	99.9	8.1	8.1	8.8	8.8	11	11	82	82					0.9	0.9		
					Bottom	6.7	0.4	142	15.0	15.0	7.9	7.9	34.6	34.6	99.9	99.9	8.1	8.1	9.5	9.5	10	10	83	83					0.9	0.9		
						6.7	0.5	148	15.0	15.0	7.9	7.9	34.6	34.6	99.9	99.9	8.1	8.1	9.5	9.5	11	11	83	83					0.8	0.8		
IM2	Sunny	Moderate	14:30	8.3	Surface	1.0	0.5	147	15.4	15.4	7.9	7.9	34.1	34.1	100.0	100.0	8.1	8.1	8.0	8.0	11	11	80	80	818855	806178	<0.2	<0.2	0.9	0.9		
						1.0	0.5	154	15.3	15.3	7.9	7.9	34.1	34.1	100.0	100.0	8.1	8.1	8.0	8.0	12	12	81	81					1.0	1.0		
					Middle	4.2	0.5	167	14.9	14.9	7.9	7.9	34.5	34.5	99.1	99.1	8.1	8.1	9.4	9.4	13	13	81	81					1.1	1.1		
						4.2	0.5	174	14.9	14.9	7.9	7.9	34.5	34.5	99.2	99.2	8.1	8.1	9.5	9.5	12	12	81	81					1.0	1.0		
					Bottom	7.3	0.5	181	14.8	14.8	7.9	7.9	34.6	34.6	99.5	99.5	8.1	8.1	9.8	9.8	12	12	82	82					0.9	0.9		
						7.3	0.5	197	14.8	14.8	7.9	7.9	34.6	34.6	99.5	99.5	8.1	8.1	9.8	9.8	13	13	82	82					1.0	1.0		
IM3	Sunny	Moderate	14:22	9.0	Surface	1.0	0.6	139	15.0	15.0	7.9	7.9	34.3	34.3	99.2	99.2	8.1	8.1	9.4	9.4	10	10	78	78	819406	806018	<0.2	<0.2	1.2	1.2		
						1.0	0.6	145	15.0	15.0	7.9	7.9	34.3	34.3	99.2	99.2	8.1	8.1	9.4	9.4	11	11	78	78					1.1	1.1		
					Middle	4.5	0.6	164	14.9	14.9	7.9	7.9	34.4	34.4	98.9	98.9	8.1	8.1	10.8	10.8	11	11	79	79					1.0	1.0		
						4.5	0.7	172	14.9	14.9	7.9	7.9	34.4	34.4	98.9	98.9	8.1	8.1	10.8	10.8	12	12	80	80					0.9	0.9		
					Bottom	8.0	0.6	157	14.8	14.8	7.9	7.9	34.6	34.6	99.5	99.5	8.1	8.1	13.7	13.7	18	18	81	81					0.9	0.9		
						8.0	0.6	172	14.8	14.8	7.9	7.9	34.6	34.6	99.5	99.5	8.1	8.1	13.8	13.8	17	17	81	81					1.0	1.0		
IM4	Sunny	Moderate	14:14	8.1	Surface	1.0	0.6	174	15.4	15.4	7.9	7.9	33.5	33.5	99.1	99.1	8.1	8.1	11.2	11.2	14	14	82	82	819552	805040	<0.2	<0.2	1.1	1.1		
						1.0	0.7	176	15.4	15.4	7.9	7.9	33.5	33.5	99.1	99.1	8.1	8.1	11.1	11.1	13	13	82	82					1.2	1.2		
					Middle	4.1	0.6	173	15.3	15.3	7.9	7.9	33.7	33.7	99.1	99.1	8.1	8.1	11.1	11.1	14	14	83	83					1.6	1.6		
						4.1	0.6	186	15.3	15.3	7.9	7.9	33.7	33.7	99.1	99.1	8.1	8.1	11.1	11.1	14	14	83	83					1.4	1.4		
					Bottom	7.1	0.6	185	15.0	15.0	7.9	7.9	34.3	34.3	99.3	99.3	8.1	8.1	12.0	12.0	26	26	84	84					1.2	1.2		
						7.1	0.6	193	15.0	15.0	7.9	7.9	34.2	34.2	99.4	99.4	8.1	8.1	12.0	12.0	24	24	84	84					1.3	1.3		
IM5	Sunny	Moderate	14:07	7.2	Surface	1.0	0.5	152	15.0	15.0	7.8	7.8	33.5	33.5	98.8	98.8	8.1	8.1	13.5	13.5	14	14	79	79	820567	804919	<0.2	<0.2	1.4	1.4		
						1.0	0.5	162	15.0	15.0	7.8	7.8	33.5	33.5	98.8	98.8	8.1	8.1	13.6	13.6	15	15	80	80					1.3	1.3		
					Middle	3.6	0.4	180	14.7	14.7	7.8	7.8	34.0	34.0	98.3	98.3	8.1	8.1	19.2	19.2	22	22	81	81					1.5	1.5		
						3.6	0.4	185	14.7	14.7	7.8	7.8	34.0	34.0	98.3	98.3	8.1	8.1	19.2	19.2	23	23	81	81					1.3	1.3		
					Bottom	6.2	0.5	191	14.5	14.5	7.8	7.8	34.5	34.5	98.7	98.7	8.1	8.1	21.3	21.3	24	24	81	81					1.2	1.2		
						6.2	0.5	209	14.5	14.5	7.8	7.8	34.5	34.5	98.7	98.7	8.1	8.1	21.1	21.1	26	26	81	81					1.2	1.2		
IM6	Sunny	Moderate	13:59	7.3	Surface	1.0	0.6	135	15.3	15.3	7.9	7.9	33.4	33.4	98.7	98.7	8.1	8.1	13.6	13.6	15	15	80	80	821068	805822	<0.2	<0.2	1.3	1.3		
						1.0	0.7	145	15.3	15.3	7.9	7.9	33.4	33.4	98.7	98.7	8.1	8.1	13.7	13.7	16	16	81	81					1.5	1.5		
					Middle	3.7	0.5	135	15.0	15.0	7.9	7.9	33.9	33.9	98.3	98.3	8.1	8.1	16.7	16.7	22	22	82	82					1.5	1.5		
						3.7	0.6	147	15.0	15.0	7.9	7.9	33.9	33.9	98.3	98.3	8.1	8.1	16.7	16.7	22	22	82	82					1.1	1.1		
					Bottom	6.3	0.5	153	14.7																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
C1	Cloudy	Moderate	10:23	8.8	Surface	1.0	0.6	100	14.9	14.9	7.8	7.8	33.0	33.0	98.9	98.9	8.2	8.2	7.7	8.2	11	79	79	81	81	815622	804229	<0.2	0.6	<0.2	0.6
						1.0	0.7	102	14.9	7.8	7.8	33.0	33.0	98.9	98.9	8.2	8.2	7.6	8.2	10	80	80	81								
					Middle	4.4	0.7	108	14.9	14.9	7.8	7.8	33.0	33.0	98.6	98.6	8.1	8.1	10.6	12.9	12	81	81	81				81			
						4.4	0.7	111	14.9	14.9	7.8	7.8	33.0	33.0	98.5	98.5	8.1	8.1	10.7	12.9	14	81	81	81				81			
					Bottom	7.8	0.7	95	14.8	14.8	7.9	7.9	33.2	33.2	97.9	97.9	8.1	8.1	20.3	14.8	17	82	82	81				81	81	81	
						7.8	0.7	103	14.8	14.8	7.9	7.9	33.2	33.2	97.9	97.9	8.1	8.1	20.5	14.8	19	83	83	81				81	81	81	
C2	Cloudy	Moderate	10:58	13.2	Surface	1.0	0.5	269	18.0	18.0	7.9	7.9	26.9	26.9	94.4	94.4	7.6	7.6	6.7	7.6	3	78	78	82	82	825699	806931	<0.2	2.0	<0.2	1.9
						1.0	0.5	279	18.0	18.0	7.9	7.9	26.9	26.9	94.4	94.4	7.6	7.6	6.7	7.6	3	78	78	82							
					Middle	6.6	0.6	314	17.9	17.9	7.9	7.9	28.1	28.1	93.6	93.6	7.5	7.5	11.5	13.8	3	83	83	82				82			
						6.6	0.6	321	17.9	17.9	7.9	7.9	28.1	28.1	93.6	93.6	7.5	7.5	11.5	13.8	3	82	82	82				82			
					Bottom	12.2	0.6	283	17.9	17.9	7.9	7.9	28.4	28.4	93.3	93.3	7.5	7.5	23.2	17.9	3	84	84	84				84	84		
						12.2	0.6	292	17.9	17.9	7.9	7.9	28.4	28.4	93.3	93.3	7.5	7.5	23.2	17.9	3	84	84	84				84	84		
C3	Cloudy	Moderate	09:22	12.4	Surface	1.0	0.5	244	17.8	17.8	7.9	7.9	29.4	29.4	96.0	96.0	7.7	7.7	6.4	7.7	6	80	80	83	83	822102	817815	<0.2	1.0	<0.2	1.0
						1.0	0.5	260	17.8	17.8	7.9	7.9	29.4	29.4	96.0	96.0	7.7	7.7	6.4	7.7	5	80	80	83							
					Middle	6.2	2.3	257	17.7	17.7	7.9	7.9	29.8	29.8	94.8	94.8	7.6	7.6	9.3	10.1	4	83	83	83				83			
						6.2	2.3	264	17.7	17.7	7.9	7.9	29.8	29.8	94.8	94.8	7.6	7.6	9.4	10.1	4	83	83	83				83			
					Bottom	11.4	0.4	236	17.7	17.7	7.9	7.9	29.8	29.8	94.7	94.7	7.6	7.6	14.8	12.4	6	84	84	84				84			
						11.4	0.4	255	17.7	17.7	7.9	7.9	29.8	29.8	94.7	94.7	7.6	7.6	14.5	12.4	5	85	85	84				84			
IM1	Cloudy	Moderate	10:41	7.9	Surface	1.0	0.6	98	15.1	15.1	7.9	7.9	32.5	32.5	98.3	98.3	8.1	8.1	3.6	8.1	4	78	78	80	80	818359	806474	<0.2	0.7	<0.2	0.7
						1.0	0.7	107	15.1	15.1	7.9	7.9	32.5	32.5	98.2	98.2	8.1	8.1	3.6	8.1	4	79	79	80							
					Middle	4.0	0.6	169	14.9	14.9	7.9	7.9	33.2	33.2	97.7	97.7	8.1	8.1	8.2	8.0	10	80	80	80				80			
						4.0	0.6	172	14.9	14.9	7.9	7.9	33.2	33.2	97.7	97.7	8.1	8.1	8.2	8.0	11	80	80	80				80			
					Bottom	6.9	0.5	166	14.9	14.9	7.9	7.9	33.3	33.3	97.4	97.4	8.0	8.0	12.2	8.0	15	81	81	81				81			
						6.9	0.5	171	14.9	14.9	7.9	7.9	33.3	33.3	97.4	97.4	8.0	8.0	11.9	8.0	15	81	81	81				81			
IM2	Cloudy	Moderate	10:46	9.2	Surface	1.0	0.8	160	15.0	15.0	7.9	7.9	32.8	32.8	98.1	98.1	8.1	8.1	6.2	8.1	7	81	81	82	82	818852	806176	<0.2	0.7	<0.2	0.6
						1.0	0.9	161	15.0	15.0	7.9	7.9	32.8	32.8	98.1	98.1	8.1	8.1	6.1	8.1	7	80	80	82							
					Middle	4.6	0.7	137	15.0	15.0	7.9	7.9	32.7	32.7	97.9	97.9	8.1	8.1	5.3	8.2	8	82	82	82				82			
						4.6	0.7	145	15.0	15.0	7.9	7.9	32.7	32.7	97.9	97.9	8.1	8.1	5.3	8.2	8	82	82	82				82			
					Bottom	8.2	0.6	141	14.9	14.9	7.9	7.9	33.2	33.2	97.5	97.5	8.0	8.0	13.2	8.0	14	83	83	83				83			
						8.2	0.6	154	14.9	14.9	7.9	7.9	33.2	33.2	97.4	97.4	8.0	8.0	13.1	8.0	15	83	83	83				83			
IM3	Cloudy	Moderate	10:54	8.6	Surface	1.0	0.6	97	15.1	15.1	7.9	7.9	32.5	32.5	97.6	97.6	8.1	8.1	3.8	8.1	5	80	80	81	81	819410	806031	<0.2	1.2	<0.2	1.2
						1.0	0.6	106	15.1	15.1	7.9	7.9	32.5	32.5	97.6	97.6	8.1	8.1	3.8	8.1	4	80	80	81							
					Middle	4.3	0.5	111	15.0	15.0	7.9	7.9	32.9	32.9	97.4	97.4	8.0	8.0	9.7	9.0	8	81	81	82				82			
						4.3	0.5	118	15.0	15.0	7.9	7.9	32.9	32.9	97.4	97.4	8.0	8.0	9.8	9.0	8	82	82	82				82			
					Bottom	7.6	0.4	123	14.9	14.9	7.9	7.9	33.1	33.1	97.3	97.3	8.0	8.0	13.4	8.0	20	82	82	82				82			
						7.6	0.5	125	14.9	14.9	7.9	7.9	33.1	33.1	97.3	97.3	8.0	8.0	13.5	8.0	20	82	82	82				82			
IM4	Cloudy	Moderate	11:02	8.4	Surface	1.0	0.7	161	15.2	15.2	7.9	7.9	32.1	32.1	97.8	97.8	8.1	8.1	3.6	8.1	6	81	81	82	82	819582	805050	<0.2	1.2	<0.2	1.1
						1.0	0.7	161	15.2	15.2	7.9	7.9	32.1	32.1	97.8	97.8	8.1	8.1	3.6	8.1	6	81	81	82							
					Middle	4.2	0.7	138	15.1	15.1	7.9	7.9	32.6	32.6	97.8	97.8	8.1	8.1	4.8	8.2	8	82	82	82				82			
						4.2	0.7	147	15.1	15.1	7.9	7.9	32.6	32.6	97.8	97.8	8.1	8.1	4.8	8.2	6	82	82	82				82			
					Bottom	7.4	0.6	120	14.9	14.9	7.9	7.9	33.4	33.4	97.6	97.6	8.0	8.0	16.1	8.0	20	83	83	83				83			
						7.4	0.7	126	14.9	14.9	7.9	7.9	33.4	33.4	97.6	97.6	8.0	8.0	16.0	8.0	19	83	83	83				83			
IM5	Cloudy	Moderate	11:09	7.3	Surface	1.0	0.6	86	15.2	15.2	7.8	7.8	32.1	32.1	97.3	97.3	8.0	8.0	4.7	8.0	6	80	80	81	81	820567	804934	<0.2	1.4	<0.2	1.4
						1.0	0.6	90	15.2	15.2	7.8	7.8	32.1	32.1	97.3	97.3	8.0	8.0	4.7	8.0	5	79	79	81							
					Middle	3.7	0.7	64	15.1	15.1	7.9	7.9	32.4	32.4	97.3	97.3	8.0	8.0	7.0	10.8	6	81	81	81				81			
						3.7	0.7	69	15.1	15.1	7.9	7.9	32.4	32.4	97.4	97.4	8.0	8.0	7.1	10.8	6	81	81	81				81			
					Bottom	6.3	0.6	66	14.9	14.9	7.9	7.9	33.2	33.2	97.2	97.2	8.0	8.0	20.6	8.0	17	82	82	82				82			
						6.3	0.6	67	14.9	14.9	7.9	7.9	33.2	33.2	97.2	97.2	8.0	8.0	20.8	8.0	18	82	82	82				82			
IM6	Cloudy	Moderate	11:16	7.1	Surface	1.0	0.6	57	15.2	15.2	7.8	7.8	32.3	32.3	96.7	96.7	8.0	8.0	5.0	8.0	6	82	82	82	82	821054	805828	<0.2	1.2	<0.2	1.2
						1.0	0.6	62	15.2	15.2	7.8	7.8	32.3	32.3	96.7	96.7	8.0	8.0	5.0	8.0	7	81	81	82							
					Middle	3.6	0.5	60	15.1	15.1	7.8	7.8	32.6	32.6	96.4	96.4	8.0	8.0	8.3	7.9	10	82	82	82				82			
						3.6	0.6	63	15.1	15.1	7.8	7.8	32.6	32.6	96.4	96.4	8.0	8.0	8.3	7.9	11	82	82	82				82			
					Bottom	6.1	0.5	83	15.0	15.0	7.8	7.8	32.7	32.7	96.6	96.6	8.0	8.0	10.4	8.0	12	83	83	83				83			
						6.1	0.5	89	15.0	15.0	7.8	7.8	32.8	32.8	96.7	96.7	8.0	8.0	10.4	8.0	14	83	83	83				83			
IM7	Cloudy	Moderate	11:24	8.8	Surface	1.0	0.9	85	15.2	15.2	7.8	7.8	32.5	32.5	97.																

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:25	7.5	Surface	1.0	0.7	273	17.9	7.9	28.6	28.6	96.7	96.7	7.7	7.7	7.4	5	77	81	822095	808809	<0.2	1.1	<0.2	1.2				
						1.0	0.8	277	17.9	7.9	28.6	28.6	96.7	96.7	7.7	7.7	7.5	6	77											
					Middle	3.8	0.6	261	17.9	7.9	28.8	28.8	96.2	96.2	7.7	7.7	10.7	4	81											
						3.8	0.6	280	17.9	7.9	28.8	28.8	96.2	96.2	7.7	7.7	10.9	5	82											
					Bottom	6.5	0.6	239	17.8	7.9	28.9	28.9	95.9	95.9	7.7	7.7	16.3	5	83											
						6.5	0.7	247	17.8	7.9	28.9	28.9	95.9	95.9	7.7	7.7	16.3	5	84											
IM10	Cloudy	Moderate	10:18	7.4	Surface	1.0	0.7	268	17.9	7.9	28.7	28.7	97.2	97.2	7.8	7.8	5.7	5	77	81	822227	809830	<0.2	1.1	<0.2	1.0				
						1.0	0.8	287	17.9	7.9	28.7	28.7	97.2	97.2	7.8	7.8	5.6	4	77											
					Middle	3.7	0.7	265	17.8	7.9	28.9	28.9	96.7	96.7	7.7	7.7	6.8	4	81											
						3.7	0.7	272	17.8	7.9	28.9	28.9	96.7	96.7	7.7	7.7	7.2	3	82											
					Bottom	6.4	0.6	272	17.7	8.0	29.3	29.3	96.3	96.3	7.7	7.7	15.1	4	83											
						6.4	0.7	292	17.7	8.0	29.3	29.3	96.3	96.3	7.7	7.7	15.2	4	84											
IM11	Cloudy	Moderate	10:13	8.5	Surface	1.0	0.7	278	17.8	8.0	28.8	28.8	97.3	97.3	7.8	7.8	6.9	4	77	81	821481	810532	<0.2	1.1	<0.2	1.2				
						1.0	0.8	280	17.8	8.0	28.8	28.8	97.3	97.3	7.8	7.8	6.9	3	78											
					Middle	4.3	0.7	285	17.7	8.0	29.0	29.0	97.0	97.0	7.8	7.8	8.2	5	82											
						4.3	0.8	306	17.7	8.0	29.0	29.0	97.0	97.0	7.8	7.8	8.3	3	82											
					Bottom	7.5	0.6	289	17.6	8.0	29.7	29.7	96.7	96.7	7.7	7.7	12.8	4	84											
						7.5	0.6	310	17.6	8.0	29.7	29.7	96.7	96.7	7.7	7.7	12.8	6	84											
IM12	Cloudy	Moderate	10:04	9.4	Surface	1.0	0.7	269	17.8	8.0	28.8	28.8	97.8	97.8	7.8	7.8	7.0	4	78	82	821156	811509	<0.2	1.1	<0.2	1.1				
						1.0	0.8	274	17.8	8.0	28.8	28.8	97.8	97.8	7.8	7.8	7.0	4	79											
					Middle	4.7	0.8	267	17.6	8.0	29.7	29.7	97.1	97.1	7.8	7.8	10.3	4	82											
						4.7	0.8	270	17.6	8.0	29.7	29.7	97.1	97.1	7.8	7.8	10.4	5	82											
					Bottom	8.4	0.6	266	17.6	8.0	29.8	29.8	96.8	96.8	7.7	7.7	13.8	4	84											
						8.4	0.6	289	17.6	8.0	29.8	29.8	96.8	96.8	7.7	7.7	13.9	6	84											
SR2	Cloudy	Moderate	09:43	5.0	Surface	1.0	0.4	245	17.7	8.0	29.4	29.4	96.7	96.7	7.7	7.7	9.4	8	80	821462	814168	<0.2	1.0	<0.2	1.0					
						1.0	0.4	269	17.7	8.0	29.4	29.4	96.7	96.7	7.7	7.7	9.4	8	80											
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	4.0	0.3	220	17.7	8.0	29.6	29.6	96.5	96.5	7.7	7.7	13.2	8	85											
						4.0	0.3	238	17.7	8.0	29.6	29.6	96.5	96.5	7.7	7.7	13.1	9	84											
SR3	Cloudy	Moderate	10:38	8.9	Surface	1.0	0.6	222	18.0	7.9	28.0	28.0	96.4	96.4	7.7	7.7	5.5	2	-	-	822133	807561	-	-	-	-				
						1.0	0.6	237	18.0	7.9	28.0	28.0	96.4	96.4	7.7	7.7	5.5	3	-											
					Middle	4.5	0.5	216	17.9	7.9	28.2	28.2	95.5	95.5	7.7	7.7	8.0	5	-											
						4.5	0.5	228	17.9	7.9	28.2	28.2	95.5	95.5	7.7	7.7	8.1	3	-											
					Bottom	7.9	0.6	160	17.8	8.0	28.5	28.5	95.2	95.2	7.6	7.6	9.8	5	-											
						7.9	0.6	168	17.8	8.0	28.5	28.5	95.2	95.2	7.6	7.6	9.8	4	-											
SR4A	Cloudy	Calm	09:59	8.9	Surface	1.0	0.3	233	15.1	7.8	32.6	32.6	97.4	97.4	8.0	8.0	12.3	14	-	-	817206	807803	-	-	-	-				
						1.0	0.3	240	15.1	7.8	32.6	32.6	97.4	97.4	8.0	8.0	12.4	15	-											
					Middle	4.5	0.3	231	15.0	7.8	32.6	32.6	97.1	97.1	8.0	8.0	12.0	15	-											
						4.5	0.3	242	15.0	7.8	32.6	32.6	97.1	97.1	8.0	8.0	12.1	14	-											
					Bottom	7.9	0.3	234	15.0	7.8	32.6	32.6	97.0	97.0	8.0	8.0	13.4	15	-											
						7.9	0.3	239	15.0	7.8	32.6	32.6	97.0	97.0	8.0	8.0	13.5	14	-											
SR5A	Cloudy	Calm	09:43	4.3	Surface	1.0	0.4	257	15.1	7.8	31.6	31.6	96.7	96.7	8.0	8.0	10.1	10	-	-	816596	810702	-	-	-	-				
						1.0	0.4	270	15.1	7.8	31.6	31.6	96.7	96.7	8.0	8.0	10.1	11	-											
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	3.3	0.3	253	15.1	7.8	31.6	31.6	96.6	96.6	8.0	8.0	13.1	17	-											
						3.3	0.3	262	15.1	7.8	31.6	31.6	96.6	96.6	8.0	8.0	13.3	15	-											
SR6	Cloudy	Calm	09:20	4.0	Surface	1.0	0.2	176	14.7	7.9	27.7	27.7	95.0	95.0	8.1	8.1	13.0	19	-	-	817883	814666	-	-	-	-				
						1.0	0.2	191	14.7	7.9	27.7	27.7	95.0	95.0	8.1	8.1	13.1	19	-											
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	3.0	0.2	175	14.6	7.9	26.0	26.0	95.8	95.8	8.3	8.3	14.9	25	-											
						3.0	0.2	176	14.6	7.9	26.0	26.0	95.8	95.8	8.3	8.3	14.8	26	-											
SR7	Cloudy	Moderate	08:53	15.2	Surface	1.0	0.2	164	17.6	7.9	29.9	29.9	94.7	94.7	7.6	7.6	4.9	6	-	-	823631	823757	-	-	-	-				
						1.0	0.2	176	17.6	7.9	29.9	29.9	94.6	94.6	7.6	7.6	4.9	6	-											
					Middle	7.6	0.2	177	17.6	7.9	30.2	30.2	93.3	93.3	7.4	7.4	5.5	5	-											
						7.6	0.2	184	17.6	7.9	30.2	30.2	93.3	93.3	7.4	7.4	5.4	6	-											
					Bottom	14.2	0.2	156	17.6	7.9	30.2	30.2	93.0	93.0	7.4	7.4	6.3	4	-											
						14.2	0.3	162	17.6	7.9	30.2	30.2	93.0	93.0	7.4	7.4	6.3	5	-											
SR8	Cloudy	Moderate	09:58	5.3	Surface	1.0	0.6	224	17.8	7.9	28.7	28.7	96.9	96.9	7.8	7.8	8.2	8	-	-	820428	811599	-	-	-	-				
						1.0	0.7	244	17.8	7.9	28.7	28.7	96.9	96.9	7.8	7.8	8.2	8	-											
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	4.3	0.5	230	17.8	7.9	29.0	29.0	96.8	96.8	7.7	7.7	13.2	6	-											
						4.3	0.6	233	17.8	7.9	28.9	28.9	96.8	96.8	7.7	7.7	12.3	6	-											

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	16:35	8.9	Surface	1.0	0.5	193	15.6	15.6	7.9	7.9	34.4	34.4	103.0	103.0	8.3	8.3	3.3	3.3	4	5	80	82	815627	804253	<0.2	<0.2	0.7	0.6						
						1.0	0.5	198	15.6	7.9	7.9	34.4	34.4	103.0	103.0	8.3	8.3	3.3	3.3	5	5	80	82	81	82	<0.2	<0.2	0.7	0.6							
						4.5	0.4	208	15.1	15.1	8.0	8.0	34.7	34.7	100.8	100.8	8.2	8.2	3.5	3.5	4	4	81	82	<0.2	<0.2	0.7	0.6								
					4.5	0.5	223	15.1	15.1	8.0	8.0	34.7	34.7	100.8	100.8	8.2	8.2	3.5	3.5	4	4	82	82	<0.2	<0.2	0.5	0.6									
					7.9	0.5	222	15.0	15.0	8.0	8.0	35.0	35.0	98.1	98.1	8.0	8.0	3.5	3.5	5	5	83	84	<0.2	<0.2	0.4	0.4									
					7.9	0.5	226	15.0	15.0	8.0	8.0	35.0	35.0	98.1	98.1	8.0	8.0	3.5	3.5	5	5	83	84	<0.2	<0.2	0.3	0.3									
C2	Cloudy	Moderate	15:40	11.3	Surface	1.0	0.3	174	18.1	18.1	7.9	7.9	28.5	28.5	95.9	95.9	7.7	7.7	10.0	10.0	9	8	76	81	825698	806957	<0.2	<0.2	1.4	1.4						
						1.0	0.4	176	18.1	18.1	7.9	7.9	28.5	28.5	95.9	95.9	7.7	7.7	10.0	10.0	8	8	77	82	<0.2	<0.2	1.2	1.4								
						5.7	0.4	166	17.8	17.8	7.9	7.9	29.2	29.2	95.0	95.0	7.6	7.6	10.3	10.3	8	8	82	81	<0.2	<0.2	1.4	1.4								
					5.7	0.4	177	17.8	17.8	7.9	7.9	29.2	29.2	95.0	95.0	7.6	7.6	10.3	10.3	9	9	81	84	<0.2	<0.2	1.3	1.3									
					10.3	0.3	168	17.8	17.8	8.0	8.0	29.5	29.5	94.5	94.5	7.5	7.5	17.5	17.5	9	9	84	84	<0.2	<0.2	1.4	1.4									
					10.3	0.3	171	17.8	17.8	8.0	8.0	29.5	29.5	94.5	94.5	7.5	7.5	17.5	17.5	7	7	84	84	<0.2	<0.2	1.4	1.4									
C3	Cloudy	Moderate	17:32	12.3	Surface	1.0	0.4	66	17.9	17.9	8.0	8.0	29.7	29.7	96.3	96.3	7.6	7.6	6.7	6.7	3	5	80	82	822121	817793	<0.2	<0.2	0.8	0.9						
						1.0	0.5	66	17.9	17.9	8.0	8.0	29.7	29.7	96.2	96.2	7.6	7.6	6.7	6.7	5	5	80	83	<0.2	<0.2	1.0	1.0								
						6.2	0.3	76	17.8	17.8	8.0	8.0	30.1	30.1	93.9	93.9	7.5	7.5	9.5	9.5	8	8	83	84	<0.2	<0.2	0.8	0.8								
					6.2	0.3	76	17.8	17.8	8.0	8.0	30.1	30.1	93.9	93.9	7.5	7.5	9.6	9.6	6	6	82	84	<0.2	<0.2	1.0	1.0									
					11.3	0.3	96	17.7	17.7	8.0	8.0	30.1	30.1	93.3	93.3	7.4	7.4	8.3	8.3	8	8	84	84	<0.2	<0.2	1.0	1.0									
					11.3	0.3	101	17.7	17.7	8.0	8.0	30.1	30.1	93.3	93.3	7.4	7.4	8.3	8.3	9	9	84	84	<0.2	<0.2	1.0	1.0									
IM1	Cloudy	Moderate	16:16	7.8	Surface	1.0	0.3	168	15.7	15.7	7.9	7.9	34.4	34.4	102.0	102.0	8.2	8.2	3.7	3.7	4	3	82	83	818368	806465	<0.2	<0.2	0.8	0.8						
						1.0	0.3	177	15.7	15.7	7.9	7.9	34.4	34.4	101.9	101.9	8.2	8.2	3.7	3.7	3	3	83	83	<0.2	<0.2	0.9	0.9								
						3.9	0.3	178	15.2	15.2	7.9	7.9	34.5	34.5	99.6	99.6	8.1	8.1	5.2	5.2	4	4	83	84	<0.2	<0.2	0.8	0.8								
					3.9	0.3	194	15.2	15.2	7.9	7.9	34.5	34.5	99.6	99.6	8.1	8.1	5.2	5.2	4	4	83	84	<0.2	<0.2	0.8	0.8									
					6.8	0.3	162	15.2	15.2	8.0	8.0	34.5	34.5	97.7	97.7	7.9	7.9	6.4	6.4	6	6	84	84	<0.2	<0.2	0.7	0.7									
					6.8	0.3	165	15.2	15.2	8.0	8.0	34.5	34.5	97.7	97.7	7.9	7.9	6.4	6.4	7	7	85	85	<0.2	<0.2	0.6	0.6									
IM2	Cloudy	Moderate	16:11	8.7	Surface	1.0	0.3	161	15.7	15.7	8.0	8.0	34.3	34.3	101.8	101.8	8.2	8.2	3.7	3.7	4	5	82	83	818841	806191	<0.2	<0.2	0.6	0.7						
						1.0	0.4	172	15.7	15.7	8.0	8.0	34.3	34.3	101.8	101.8	8.2	8.2	3.8	3.8	5	5	83	83	<0.2	<0.2	0.7	0.7								
						4.4	0.3	181	15.3	15.3	8.0	8.0	34.5	34.5	99.7	99.7	8.1	8.1	4.7	4.7	5	5	83	83	<0.2	<0.2	0.6	0.6								
					4.4	0.3	194	15.3	15.3	8.0	8.0	34.5	34.5	99.7	99.7	8.1	8.1	4.8	4.8	6	6	83	84	<0.2	<0.2	0.8	0.8									
					7.7	0.3	168	15.1	15.1	8.0	8.0	34.5	34.5	97.5	97.5	7.9	7.9	5.9	5.9	5	5	84	84	<0.2	<0.2	0.6	0.6									
					7.7	0.3	173	15.1	15.1	8.0	8.0	34.5	34.5	97.5	97.5	7.9	7.9	5.9	5.9	7	7	84	84	<0.2	<0.2	0.6	0.6									
IM3	Cloudy	Moderate	16:04	8.9	Surface	1.0	0.4	144	15.7	15.7	8.0	8.0	34.1	34.1	100.7	100.7	8.1	8.1	4.0	3.9	4	4	81	82	819391	806026	<0.2	<0.2	0.8	0.6						
						1.0	0.4	144	15.7	15.7	8.0	8.0	34.1	34.1	100.7	100.7	8.1	8.1	3.9	3.9	4	4	82	83	<0.2	<0.2	0.6	0.6								
						4.5	0.3	151	15.2	15.2	8.0	8.0	34.4	34.4	98.4	98.4	8.0	8.0	5.0	5.0	6	6	83	83	<0.2	<0.2	0.6	0.6								
					4.5	0.4	161	15.2	15.2	8.0	8.0	34.4	34.4	98.5	98.5	8.0	8.0	5.0	5.0	6	6	83	84	<0.2	<0.2	0.6	0.6									
					7.9	0.3	169	15.2	15.2	8.0	8.0	34.4	34.4	97.7	97.7	8.0	8.0	5.0	5.0	6	6	84	84	<0.2	<0.2	0.6	0.6									
					7.9	0.3	174	15.2	15.2	8.0	8.0	34.4	34.4	97.8	97.8	8.0	8.0	5.0	5.0	7	7	84	84	<0.2	<0.2	0.7	0.7									
IM4	Cloudy	Moderate	15:57	8.3	Surface	1.0	0.4	147	15.9	15.9	8.0	8.0	34.1	34.1	101.9	101.9	8.2	8.2	4.2	4.2	5	4	80	80	819568	805049	<0.2	<0.2	0.6	0.6						
						1.0	0.5	160	15.9	15.9	8.0	8.0	34.1	34.1	101.9	101.9	8.2	8.2	4.2	4.2	4	4	80	81	<0.2	<0.2	0.6	0.6								
						4.2	0.4	155	15.3	15.3	7.9	7.9	34.1	34.1	100.8	100.8	8.2	8.2	5.0	5.0	7	7	81	82	<0.2	<0.2	0.6	0.5								
					4.2	0.4	157	15.3	15.3	7.9	7.9	34.1	34.1	100.8	100.8	8.2	8.2	5.0	5.0	7	7	82	82	<0.2	<0.2	0.5	0.5									
					7.3	0.3	180	15.2	15.2	7.9	7.9	34.3	34.3	100.6	100.6	8.2	8.2	4.5	4.5	6	6	82	82	<0.2	<0.2	0.6	0.6									
					7.3	0.4	193	15.2	15.2	7.9	7.9	34.3	34.3	100.7	100.7	8.2	8.2	4.5	4.5	6	6	82	82	<0.2	<0.2	0.7	0.7									
IM5	Cloudy	Moderate	15:50	7.3	Surface	1.0	0.4	158	16.0	16.0	7.9	7.9	33.4	33.4	100.5	100.5	8.1	8.1	5.8	5.8	6	7	80	80	820562	804942	<0.2	<0.2	1.0	0.9						
						1.0	0.4	161	16.0	16.0	7.9	7.9	33.4	33.4	100.5	100.5	8.1	8.1	5.8	5.8	7	7	80	81	<0.2	<0.2	1.2	0.8								
						3.7	0.4	149	15.0	15.0	7.9	7.9	34.0	34.0	98.1	98.1	8.0	8.0	9.6	9.6	10	9	81	81	<0.2	<0.2	0.8	0.8								
					3.7	0.4	161	15.0	15.0	7.9	7.9	34.0	34.0	98.1	98.1	8.0	8.0	9.6	9.6	9	9	81	81	<0.2	<0.2	1.0	1.0									
					6.3	0.3	162	15.0	15.0	8.0	8.0	34.2	34.2	97.1	97.1	7.9	7.9	10.5	10.5	12	12	82	82	<0.2	<0.2	0.8	0.8									
					6.3	0.4	164	15.0	15.0	8.0	8.0	34.2	34.2	97.1	97.1	7.9	7.9	10.5	10.5	11	11	82	82	<0.2	<0.2	0.6	0.6									
IM6	Cloudy	Moderate	15:41	7.4	Surface	1.0	0.4	128	15.7	15.7	7.9	7.9	33.6	33.6	100.5	100.5	8.1	8.1	6.3	6.3	8	10	81	82												

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

Water Quality Monitoring

Water Quality Monitoring Results on **07 March 17** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	13:20	8.8	Surface	1.0	0.5	118	15.5	15.5	7.9	7.9	34.2	34.2	104.9	104.9	8.5	8.5	0.7	0.7	3	4	82	84	815621	804263	<0.2	0.9	<0.2	0.7
						1.0	0.6	121	15.5	7.9	7.9	34.2	34.2	104.9	104.9	8.5	8.5	0.7	0.7	4	4	83	84							
					Middle	4.4	0.5	116	15.3	15.3	7.9	7.9	34.5	34.5	104.0	104.0	8.4	8.4	0.5	0.5	4	4	83	84						
						4.4	0.6	121	15.3	15.3	7.9	7.9	34.5	34.5	104.0	104.0	8.4	8.4	0.5	0.5	3	4	84	84						
					Bottom	7.8	0.5	120	15.3	15.3	7.9	7.9	35.2	35.2	102.1	102.1	8.3	8.3	0.9	0.9	6	6	84	84						
						7.8	0.5	125	15.3	15.3	7.9	7.9	35.2	35.2	102.1	102.1	8.3	8.3	0.9	0.9	5	5	85	85						
C2	Cloudy	Moderate	12:16	12.4	Surface	1.0	0.3	202	18.7	18.7	7.9	7.9	27.2	27.2	97.9	97.9	7.8	7.8	3.7	3.7	5	5	75	80	825677	806940	<0.2	2.6	<0.2	2.0
						1.0	0.3	210	18.7	18.7	7.9	7.9	27.2	27.2	97.9	97.9	7.8	7.8	3.7	3.7	3	4	75	81						
					Middle	6.2	0.3	262	18.5	18.5	7.9	7.9	28.1	28.1	95.6	95.6	7.6	7.6	4.1	4.1	4	5	81	81						
						6.2	0.3	266	18.5	18.5	7.9	7.9	28.1	28.1	95.6	95.6	7.6	7.6	4.1	4.1	3	5	81	81						
					Bottom	11.4	0.2	161	18.3	18.3	7.9	7.9	29.0	29.0	95.0	95.0	7.5	7.5	4.7	4.7	5	7	84	84						
						11.4	0.2	163	18.3	18.3	7.9	7.9	29.0	29.0	95.0	95.0	7.5	7.5	4.7	4.7	7	7	84	84						
C3	Cloudy	Moderate	14:12	12.9	Surface	1.0	0.3	253	18.2	18.2	8.0	8.0	30.0	30.0	96.2	96.2	7.6	7.6	3.0	3.0	2	4	81	83	822118	817797	<0.2	0.7	<0.2	0.7
						1.0	0.3	264	18.2	18.2	8.0	8.0	30.0	30.0	96.2	96.2	7.6	7.6	3.0	3.0	<2	4	80	81						
					Middle	6.5	0.3	270	18.2	18.2	8.0	8.0	30.1	30.1	93.1	93.1	7.3	7.3	5.4	5.4	6	4	82	83						
						6.5	0.3	289	18.2	18.2	8.0	8.0	30.1	30.1	93.1	93.1	7.3	7.3	5.4	5.4	4	4	82	83						
					Bottom	11.9	0.2	262	18.0	18.0	8.0	8.0	30.5	30.5	91.8	91.8	7.2	7.2	14.6	14.6	6	5	85	85						
						11.9	0.3	271	18.0	18.0	8.0	8.0	30.5	30.5	91.8	91.8	7.2	7.2	14.6	14.6	5	5	85	85						
IM1	Cloudy	Moderate	13:00	7.8	Surface	1.0	0.4	158	15.5	15.5	7.9	7.9	33.9	33.9	101.8	101.8	8.3	8.3	2.8	2.8	5	6	82	83	818339	806471	<0.2	0.6	<0.2	0.7
						1.0	0.4	171	15.5	15.5	7.9	7.9	33.9	33.9	101.8	101.8	8.3	8.3	2.8	2.8	6	6	82	83						
					Middle	3.9	0.3	164	15.5	15.5	7.9	7.9	34.0	34.0	101.5	101.5	8.2	8.2	2.8	2.8	6	6	83	83						
						3.9	0.4	167	15.5	15.5	7.9	7.9	34.0	34.0	101.5	101.5	8.2	8.2	2.8	2.8	5	6	83	83						
					Bottom	6.8	0.4	171	15.2	15.2	7.9	7.9	35.0	35.0	100.2	100.2	8.1	8.1	3.4	3.4	6	6	84	84						
						6.8	0.4	183	15.2	15.2	7.9	7.9	35.0	35.0	100.2	100.2	8.1	8.1	3.4	3.4	7	7	84	84						
IM2	Cloudy	Moderate	12:55	8.6	Surface	1.0	0.3	189	15.7	15.7	7.8	7.8	32.9	32.9	101.2	101.2	8.2	8.2	2.3	2.3	4	7	82	83	818851	806190	<0.2	1.2	<0.2	1.0
						1.0	0.3	205	15.7	15.7	7.8	7.8	32.9	32.9	101.2	101.2	8.2	8.2	2.4	2.4	5	7	82	83						
					Middle	4.3	0.4	165	15.5	15.5	7.8	7.8	33.8	33.8	101.0	101.0	8.2	8.2	2.6	2.6	7	7	83	83						
						4.3	0.4	175	15.5	15.5	7.8	7.8	33.8	33.8	101.0	101.0	8.2	8.2	2.6	2.6	8	7	83	83						
					Bottom	7.6	0.4	97	15.2	15.2	7.9	7.9	34.5	34.5	100.0	100.0	8.1	8.1	2.4	2.4	10	9	84	84						
						7.6	0.4	100	15.2	15.2	7.9	7.9	34.5	34.5	100.0	100.0	8.1	8.1	2.5	2.5	9	9	84	84						
IM3	Cloudy	Moderate	12:48	8.5	Surface	1.0	0.4	143	15.7	15.7	7.8	7.8	32.5	32.5	100.7	100.7	8.2	8.2	1.7	1.7	6	7	81	82	819397	806024	<0.2	1.3	<0.2	1.2
						1.0	0.4	156	15.7	15.7	7.8	7.8	32.5	32.5	100.7	100.7	8.2	8.2	1.7	1.7	4	7	81	82						
					Middle	4.3	0.3	128	15.5	15.5	7.8	7.8	33.0	33.0	100.4	100.5	8.2	8.2	2.8	2.8	8	7	82	82						
						4.3	0.3	137	15.5	15.5	7.8	7.8	33.0	33.0	100.5	100.5	8.2	8.2	2.6	2.6	6	7	82	82						
					Bottom	7.5	0.4	118	15.4	15.4	7.8	7.8	33.6	33.6	99.8	99.8	8.1	8.1	2.9	2.9	9	9	83	83						
						7.5	0.4	123	15.4	15.4	7.8	7.8	33.6	33.6	99.8	99.8	8.1	8.1	2.9	2.9	9	9	83	83						
IM4	Cloudy	Moderate	12:40	8.2	Surface	1.0	0.5	172	15.7	15.7	7.8	7.8	32.4	32.4	101.1	101.1	8.2	8.2	1.8	1.8	5	7	81	82	819589	805038	<0.2	1.5	<0.2	1.3
						1.0	0.5	186	15.7	15.7	7.8	7.8	32.4	32.4	101.1	101.1	8.2	8.2	1.9	1.9	5	7	81	82						
					Middle	4.1	0.5	123	15.5	15.5	7.8	7.8	33.0	33.1	100.4	100.4	8.2	8.2	2.5	2.5	9	7	82	82						
						4.1	0.5	126	15.5	15.5	7.8	7.8	33.1	33.1	100.4	100.4	8.2	8.2	2.5	2.5	7	7	82	82						
					Bottom	7.2	0.5	140	15.3	15.3	7.8	7.8	34.2	34.2	99.5	99.5	8.1	8.1	4.0	4.0	9	9	83	83						
						7.2	0.5	144	15.3	15.3	7.8	7.8	34.1	34.2	99.5	99.5	8.1	8.1	4.0	4.0	8	9	83	83						
IM5	Cloudy	Moderate	12:32	7.1	Surface	1.0	0.3	223	15.7	15.7	7.8	7.8	32.1	32.1	101.1	101.1	8.3	8.3	1.7	1.7	7	7	80	81	820544	804929	<0.2	1.4	<0.2	1.4
						1.0	0.3	235	15.7	15.7	7.8	7.8	32.1	32.1	101.1	101.1	8.3	8.3	1.7	1.7	6	7	80	81						
					Middle	3.6	0.3	196	15.6	15.6	7.8	7.8	32.5	32.5	100.8	100.8	8.2	8.2	2.0	2.0	5	7	81	81						
						3.6	0.3	207	15.6	15.6	7.8	7.8	32.5	32.5	100.8	100.8	8.2	8.2	2.0	2.0	5	7	81	81						
					Bottom	6.1	0.3	182	15.5	15.5	7.8	7.8	32.7	32.7	100.0	100.0	8.2	8.2	2.4	2.4	8	7	82	82						
						6.1	0.3	195	15.5	15.5	7.8	7.8	32.7	32.7	100.0	100.0	8.2	8.2	2.4	2.4	9	7	82	82						
IM6	Cloudy	Moderate	12:25	7.1	Surface	1.0	0.4	232	15.8	15.8	7.8	7.8	31.8	31.8	99.9	99.9	8.2	8.2	1.5	1.5	5	7	81	83	821051	805827	<0.2	1.5	<0.2	1.4
						1.0	0.4	241	15.8	15.8	7.8	7.8	31.8	31.8	99.9	99.9	8.2	8.2	1.5	1.5	6	7	82	83						
					Middle	3.6	0.4	203	15.6	15.6	7.8	7.8	32.2	32.2	99.9	99.9	8.2	8.2	2.1	2.1	7	7	83	83						
						3.6	0.4	206	15.6	15.6	7.8	7.8	32.2	32.2	99.9	99.9	8.2	8.2	1.9	1.9	9	7	83	83						
					Bottom	6.1	0.3	212	15.4	15.4	7.8	7.8	32.7	32.7	99.4	99.4	8.1	8.1	3.3	3.3	7	7	84	84						
						6.1	0.3	232	15.4	15.4	7.8	7.8	32.7	32.7	99.4	99.4	8.1	8.1	3.3	3.3	7	7	84	84						
IM7	Cloudy	Moderate	12:16	8.2	Surface	1.0	0.3	195	15.7	15.7	7.8	7.8	31.7	31.7	98.5	98.5	8.1	8.1	2.0	2.0	4	5	82	84	821348	806839	<0.2	1.6	<0.2	1.4
						1.0	0.3	205	15.7	15.7	7.8	7.8	31.7	31.7	98.5	98.5	8.1	8.1	2.0	2.0	4	5	83	84						
					Middle	4.1	0.4	196	15.5	15.5																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Moderate	12:57	7.7	Surface	1.0	0.3	214	18.4	18.4	8.0	8.0	28.4	28.4	100.6	100.6	8.0	8.0	5.6	7.3	6	9	77	81	81	822105	808828	<0.2	1.7	<0.2	1.7					
						1.0	0.3																					227	18.4	8.0	8.0	28.4	28.4	100.6	100.6	8.0
					Middle	3.9	0.3	183	18.4	18.4	8.0	8.0	28.7	28.7	99.4	99.4	7.9	7.9	9.2	9.2	7.0	7.0	8	7	82	81	81	822105	808828	<0.2	1.7	<0.2	1.6			
						3.9	0.3																							189	18.4	8.0	8.0	28.7	28.7	99.4
					Bottom	6.7	0.3	192	18.3	18.3	8.0	8.0	29.1	29.1	98.5	98.5	7.8	7.8	7.0	7.0	7.8	7.8	10	12	84	83	83	822105	808828	<0.2	1.6	<0.2	1.6			
						6.7	0.3																							195	18.3	8.0	8.0	29.1	29.1	98.5
IM10	Cloudy	Moderate	13:07	8.0	Surface	1.0	0.3	226	18.6	18.6	8.0	8.0	28.4	28.4	97.8	97.8	7.7	7.7	5.0	7.2	4	5	78	82	81	822246	809850	<0.2	1.6	<0.2	1.5					
						1.0	0.3																					246	18.6	8.0	8.0	28.4	28.4	97.8	97.8	7.7
					Middle	4.0	0.3	221	18.4	18.4	8.0	8.0	28.7	28.7	96.2	96.2	7.6	7.6	6.2	6.2	7.0	7.0	6	7	82	81	81	822246	809850	<0.2	1.6	<0.2	1.4			
						4.0	0.4																							226	18.4	8.0	8.0	28.7	28.7	96.2
					Bottom	7.0	0.3	212	18.3	18.3	7.9	7.9	29.1	29.1	94.2	94.2	7.5	7.5	10.4	10.4	7.5	7.5	5	5	84	84	84	822246	809850	<0.2	1.6	<0.2	1.6			
						7.0	0.3																							216	18.3	7.9	7.9	29.1	29.1	94.2
IM11	Cloudy	Moderate	13:15	8.4	Surface	1.0	0.4	226	18.5	18.5	8.0	8.0	28.8	28.8	96.3	96.3	7.6	7.6	8.7	12.9	11	11	78	82	81	821515	810525	<0.2	1.2	<0.2	1.4					
						1.0	0.4																					243	18.5	8.0	8.0	28.8	28.8	96.3	96.3	7.6
					Middle	4.2	0.4	229	18.4	18.4	7.9	7.9	28.9	28.9	95.2	95.2	7.5	7.5	13.5	13.5	7.5	7.5	10	10	82	81	81	821515	810525	<0.2	1.3	<0.2	1.4			
						4.2	0.4																							243	18.4	7.9	7.9	28.9	28.9	95.2
					Bottom	7.4	0.4	216	18.3	18.3	7.9	7.9	29.0	29.0	94.8	94.8	7.5	7.5	16.5	16.5	7.5	7.5	14	15	84	84	84	821515	810525	<0.2	1.1	<0.2	1.1			
						7.4	0.5																							231	18.3	7.9	7.9	29.0	29.0	94.8
IM12	Cloudy	Moderate	13:23	9.0	Surface	1.0	0.3	250	18.4	18.4	7.9	7.9	29.0	29.0	95.2	95.2	7.5	7.5	7.9	7.3	10	8	79	82	81	821151	811530	<0.2	1.2	<0.2	1.0					
						1.0	0.3																					259	18.4	7.9	7.9	29.0	29.0	95.2	95.2	7.5
					Middle	4.5	0.4	242	18.2	18.2	7.9	7.9	29.3	29.3	93.4	93.4	7.4	7.4	5.9	5.9	7.4	7.4	12	13	81	82	81	821151	811530	<0.2	1.0	<0.2	1.0			
						4.5	0.4																							262	18.2	7.9	7.9	29.3	29.3	93.4
					Bottom	8.0	0.3	243	18.2	18.2	7.9	7.9	29.6	29.6	93.6	93.6	7.4	7.4	8.0	8.0	7.4	7.4	13	11	84	84	84	821151	811530	<0.2	1.2	<0.2	1.2			
						8.0	0.3																							260	18.2	7.9	7.9	29.6	29.6	93.6
SR2	Cloudy	Moderate	13:47	5.1	Surface	1.0	0.1	187	18.4	18.4	7.9	7.9	29.3	29.3	95.7	95.7	7.6	7.6	4.6	5.2	5	5	80	81	83	821459	814184	<0.2	1.0	<0.2	0.8					
						1.0	0.1																					197	18.4	7.9	7.9	29.3	29.3	95.6	95.6	7.6
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.6	-																													-
					Bottom	4.1	0.1	156	18.3	18.3	7.9	7.9	29.5	29.5	95.0	95.0	7.5	7.5	5.7	5.7	7.5	7.5	9	8	85	84	84	821459	814184	<0.2	1.0	<0.2	0.8			
						4.1	0.1																							163	18.3	7.9	7.9	29.5	29.5	95.4
SR3	Cloudy	Moderate	12:36	9.3	Surface	1.0	0.3	176	18.6	18.6	8.0	8.0	28.2	28.2	100.3	100.3	7.9	7.9	3.9	5.0	7	8	-	-	-	822138	807579	-	-	-	-					
						1.0	0.3																					183	18.6	8.0	8.0	28.2	28.2	100.3	100.3	7.9
					Middle	4.7	0.3	178	18.3	18.3	8.0	8.0	28.6	28.6	99.5	99.5	7.9	7.9	5.1	5.1	7.9	7.9	6	6	-	-	-	-	-	822138	807579	-	-	-	-	
						4.7	0.3																									186	18.3	8.0	8.0	28.6
					Bottom	8.3	0.3	129	18.2	18.2	8.0	8.0	29.0	29.0	99.0	99.0	7.8	7.8	5.9	5.9	7.9	7.9	7	7	-	-	-	-	-	-	822138	807579	-	-	-	-
						8.3	0.3																										137	18.2	8.0	8.0
SR4A	Cloudy	Moderate	13:40	9.1	Surface	1.0	0.3	153	15.7	15.7	7.8	7.8	33.3	33.3	100.1	100.1	8.1	8.1	4.2	4.4	8	9	-	-	-	817207	807823	-	-	-	-					
						1.0	0.3																					163	15.7	7.8	7.8	33.3	33.3	100.1	100.1	8.1
					Middle	4.6	0.3	144	15.6	15.6	7.8	7.8	33.4	33.5	99.9	99.9	8.1	8.1	4.4	4.5	8.1	8.1	9	9	-	-	-	-	-	817207	807823	-	-	-	-	
						4.6	0.3																									149	15.6	7.8	7.8	33.5
					Bottom	8.1	0.3	117	15.5	15.5	7.8	7.8	34.0	34.0	99.6	99.7	8.1	8.1	4.6	4.6	8.1	8.1	12	10	-	-	-	-	-	817207	807823	-	-	-	-	
						8.1	0.3																									123	15.5	7.8	7.8	34.0
SR5A	Cloudy	Calm	13:58	4.9	Surface	1.0	0.1	195																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	
C1	Cloudy	Moderate	09:20	8.6	Surface	1.0	0.3	164	15.2	7.8	7.8	33.0	33.0	103.0	103.0	8.5	8.5	1.2	3	82	82	83	83	815609	804244	<0.2	0.7	<0.2	0.7	
						1.0	0.4	178	15.2	7.8	7.8	33.0	33.0	103.0	103.0	8.5	8.5	1.2	3	82	82	83	83	815609	804244	<0.2	0.8	<0.2	0.7	
						4.3	0.3	152	15.2	7.8	7.8	33.1	33.1	102.8	102.8	8.4	8.4	1.4	3	83	83	83	83	815609	804244	<0.2	0.8	<0.2	0.7	
					Middle	4.3	0.4	158	15.2	7.8	7.8	33.1	33.1	102.7	102.7	8.4	8.4	1.4	3	83	83	83	83	815609	804244	<0.2	0.8	<0.2	0.7	
						7.6	0.4	178	15.1	7.9	7.9	34.1	34.1	101.4	101.4	8.3	8.3	2.2	4	84	84	84	84	815609	804244	<0.2	0.5	<0.2	0.5	
						7.6	0.5	192	15.1	7.9	7.9	34.1	34.1	101.4	101.4	8.3	8.3	2.2	4	84	84	84	84	815609	804244	<0.2	0.5	<0.2	0.5	
C2	Cloudy	Moderate	10:02	12.2	Surface	1.0	0.4	175	18.5	7.9	7.9	27.3	27.3	96.0	96.0	7.6	7.6	4.4	3	76	76	81	81	825668	806964	<0.2	1.8	<0.2	1.8	
						1.0	0.5	175	18.5	7.9	7.9	27.3	27.3	95.9	95.9	7.6	7.6	4.4	4	77	77	81	81	825668	806964	<0.2	1.8	<0.2	1.8	
						6.1	0.3	172	18.3	7.9	7.9	29.0	29.0	93.8	93.8	7.4	7.4	5.5	4	81	81	81	81	825668	806964	<0.2	2.1	<0.2	2.1	
					Middle	6.1	0.3	173	18.3	7.9	7.9	29.0	29.0	93.8	93.8	7.4	7.4	5.6	3	82	82	82	82	825668	806964	<0.2	2.0	<0.2	2.0	
						11.2	0.3	129	18.2	7.9	7.9	29.6	29.6	94.1	94.1	7.4	7.4	6.6	8	84	84	84	84	825668	806964	<0.2	1.2	<0.2	1.2	
						11.2	0.3	135	18.2	7.9	7.9	29.6	29.6	94.1	94.1	7.4	7.4	6.6	6	84	84	84	84	825668	806964	<0.2	1.3	<0.2	1.3	
C3	Cloudy	Moderate	08:01	12.5	Surface	1.0	0.3	112	18.0	7.9	7.9	29.9	29.9	93.7	93.7	7.4	7.4	3.3	4	79	79	82	82	822120	817809	<0.2	0.7	<0.2	0.6	
						1.0	0.3	115	18.0	7.9	7.9	29.9	29.9	93.6	93.6	7.4	7.4	3.3	3	80	80	81	81	822120	817809	<0.2	0.6	<0.2	0.6	
						6.3	0.2	106	18.0	7.9	7.9	30.2	30.2	92.3	92.3	7.3	7.3	3.5	5	81	81	81	81	822120	817809	<0.2	0.7	<0.2	0.7	
					Middle	6.3	0.3	110	18.0	7.9	7.9	30.2	30.2	92.3	92.3	7.3	7.3	3.5	3	82	82	82	82	822120	817809	<0.2	0.8	<0.2	0.8	
						11.5	0.2	140	18.0	7.9	7.9	30.6	30.6	91.8	91.8	7.2	7.2	5.0	4	84	84	84	84	822120	817809	<0.2	0.7	<0.2	0.7	
						11.5	0.2	149	18.0	7.9	7.9	30.6	30.6	91.8	91.8	7.2	7.2	5.1	4	85	85	85	85	822120	817809	<0.2	0.8	<0.2	0.8	
IM1	Cloudy	Moderate	09:40	7.4	Surface	1.0	0.3	208	15.4	7.8	7.8	32.7	32.7	100.1	100.1	8.2	8.2	4.1	4	79	79	80	80	818368	806450	<0.2	0.6	<0.2	0.6	
						1.0	0.3	217	15.4	7.8	7.8	32.7	32.7	100.1	100.1	8.2	8.2	4.1	4	79	79	80	80	818368	806450	<0.2	0.6	<0.2	0.6	
						3.7	0.3	176	15.3	7.8	7.8	33.0	33.0	100.0	100.0	8.2	8.2	3.6	4	80	80	81	81	818368	806450	<0.2	0.8	<0.2	0.9	
					Middle	3.7	0.3	182	15.3	7.8	7.8	33.0	33.0	100.0	100.0	8.2	8.2	3.6	5	81	81	81	81	818368	806450	<0.2	0.9	<0.2	0.9	
						6.4	0.3	150	15.1	7.8	7.8	33.9	33.9	98.9	98.9	8.1	8.1	4.2	5	81	81	81	81	818368	806450	<0.2	0.7	<0.2	0.7	
						6.4	0.3	151	15.1	7.8	7.8	33.9	33.9	98.9	98.9	8.1	8.1	4.3	7	82	82	82	82	818368	806450	<0.2	0.5	<0.2	0.5	
IM2	Cloudy	Moderate	09:46	8.3	Surface	1.0	0.3	219	15.5	7.8	7.8	32.1	32.1	99.9	99.9	8.2	8.2	2.7	3	80	80	81	81	818853	806202	<0.2	1.1	<0.2	1.1	
						1.0	0.3	220	15.5	7.8	7.8	32.1	32.1	99.9	99.9	8.2	8.2	2.7	4	80	80	81	81	818853	806202	<0.2	1.3	<0.2	1.3	
						4.2	0.3	157	15.4	7.8	7.8	32.6	32.6	99.8	99.8	8.2	8.2	3.2	3	81	81	81	81	818853	806202	<0.2	1.1	<0.2	1.1	
					Middle	4.2	0.3	162	15.4	7.8	7.8	32.6	32.6	99.8	99.8	8.2	8.2	3.2	5	80	80	81	81	818853	806202	<0.2	1.1	<0.2	1.1	
						7.3	0.2	141	15.1	7.8	7.8	33.8	33.8	99.2	99.2	8.1	8.1	5.0	6	82	82	82	82	818853	806202	<0.2	0.8	<0.2	0.8	
						7.3	0.3	145	15.1	7.8	7.8	33.8	33.8	99.1	99.1	8.1	8.1	4.9	6	82	82	82	82	818853	806202	<0.2	0.8	<0.2	0.8	
IM3	Cloudy	Moderate	09:56	7.6	Surface	1.0	0.3	217	15.7	7.8	7.8	31.9	31.9	99.7	99.7	8.2	8.2	2.9	3	81	81	82	82	819406	806021	<0.2	1.4	<0.2	1.4	
						1.0	0.4	223	15.7	7.8	7.8	31.9	31.9	99.7	99.7	8.2	8.2	2.9	2	81	81	82	82	819406	806021	<0.2	1.6	<0.2	1.6	
						3.8	0.3	179	15.6	7.8	7.8	32.3	32.3	99.3	99.3	8.1	8.1	3.4	4	82	82	82	82	819406	806021	<0.2	1.2	<0.2	1.2	
					Middle	3.8	0.4	189	15.6	7.8	7.8	32.3	32.3	99.3	99.3	8.1	8.1	3.4	4	82	82	82	82	819406	806021	<0.2	1.0	<0.2	1.0	
						6.6	0.3	156	15.5	7.8	7.8	33.1	33.1	98.8	98.8	8.1	8.1	4.4	5	83	83	83	83	819406	806021	<0.2	1.1	<0.2	1.1	
						6.6	0.3	159	15.5	7.8	7.8	33.0	33.0	98.8	98.8	8.1	8.1	4.3	6	84	84	84	84	819406	806021	<0.2	1.0	<0.2	1.0	
IM4	Cloudy	Moderate	10:02	8.0	Surface	1.0	0.4	230	15.7	7.8	7.8	32.2	32.2	100.3	100.3	8.2	8.2	2.8	4	79	79	80	80	819558	805033	<0.2	1.1	<0.2	1.1	
						1.0	0.4	243	15.7	7.8	7.8	32.2	32.2	100.3	100.3	8.2	8.2	2.8	4	80	80	81	81	819558	805033	<0.2	1.0	<0.2	1.0	
						4.0	0.3	212	15.6	7.8	7.8	32.5	32.5	100.0	100.0	8.2	8.2	3.5	6	81	81	81	81	819558	805033	<0.2	1.1	<0.2	1.1	
					Middle	4.0	0.3	215	15.6	7.8	7.8	32.5	32.5	99.9	99.9	8.2	8.2	3.6	5	81	81	81	81	819558	805033	<0.2	1.0	<0.2	1.0	
						7.0	0.3	192	15.4	7.8	7.8	33.1	33.1	98.9	98.9	8.1	8.1	4.1	5	82	82	82	82	819558	805033	<0.2	1.2	<0.2	1.2	
						7.0	0.3	206	15.4	7.8	7.8	33.0	33.0	98.9	98.9	8.1	8.1	4.1	5	82	82	82	82	819558	805033	<0.2	1.3	<0.2	1.3	
IM5	Cloudy	Moderate	10:10	6.9	Surface	1.0	0.4	208	15.5	7.8	7.8	32.3	32.3	99.6	99.6	8.2	8.2	2.7	3	79	79	80	80	820579	804919	<0.2	1.5	<0.2	1.5	
						1.0	0.4	225	15.5	7.8	7.8	32.3	32.3	99.6	99.6	8.2	8.2	2.7	5	79	79	80	80	820579	804919	<0.2	1.5	<0.2	1.5	
						3.5	0.4	198	15.5	7.8	7.8	32.3	32.3	99.4	99.4	8.2	8.2	3.2	4	80	80	81	81	820579	804919	<0.2	1.2	<0.2	1.2	
					Middle	3.5	0.4	210	15.5	7.8	7.8	32.3	32.3	99.4	99.4	8.1	8.1	3.2	3	80	80	81	81	820579	804919	<0.2	1.4	<0.2	1.4	
						5.9	0.4	194	15.4	7.8	7.8	32.5	32.5	99.0	99.0	8.1	8.1	3.3	6	81	81	81	81	820579	804919	<0.2	1.4	<0.2	1.4	
						5.9	0.4	212	15.4	7.8	7.8	32.5	32.5																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	09:25	7.6	Surface	1.0	0.4	188	18.4	18.4	8.0	8.0	28.4	28.4	99.7	99.7	7.9	7.9	4.4	4.4	4	4	77	77	81	822092	808805	<0.2	1.2	<0.2	1.3				
						1.0	0.4	190	18.4	8.0	8.0	28.4	28.4	99.7	99.7	7.9	7.9	4.4	4.4	3	3	77	77	<0.2				1.4							
					Middle	3.8	0.4	182	18.3	18.3	8.0	8.0	28.5	28.5	99.1	99.1	7.9	7.9	5.4	5.4	5	5	82	82				<0.2	1.2	<0.2	1.2				
						3.8	0.4	197	18.3	18.3	8.0	8.0	28.5	28.5	99.1	99.1	7.9	7.9	5.4	5.4	6	6	81	81				<0.2	1.2						
					Bottom	6.6	0.4	177	18.3	18.3	8.0	8.0	28.9	28.9	98.7	98.7	7.8	7.8	7.1	7.1	6	6	84	84				<0.2	1.7	<0.2	1.2				
						6.6	0.4	188	18.3	18.3	8.0	8.0	28.9	28.9	98.7	98.7	7.8	7.8	7.0	7.0	5	5	84	84				<0.2	1.2						
IM10	Cloudy	Moderate	09:17	7.7	Surface	1.0	0.3	163	18.4	18.4	8.0	8.0	28.5	28.5	98.6	98.6	7.8	7.8	4.8	4.8	7	7	77	77	81	822236	809841	<0.2	1.5	<0.2	1.7				
						1.0	0.4	175	18.4	18.4	8.0	8.0	28.5	28.5	98.6	98.6	7.8	7.8	4.8	4.8	5	5	77	77				<0.2	1.5						
					Middle	3.9	0.3	174	18.4	18.4	8.0	8.0	28.6	28.6	97.6	97.6	7.7	7.7	5.3	5.3	5	5	82	82				<0.2	1.6	<0.2	1.3				
						3.9	0.3	186	18.4	18.4	8.0	8.0	28.6	28.6	97.6	97.6	7.7	7.7	5.3	5.3	4	4	82	82				<0.2	1.6						
					Bottom	6.7	0.3	157	18.3	18.3	7.9	7.9	29.0	29.0	96.5	96.5	7.6	7.6	7.2	7.2	5	5	84	84				<0.2	1.7	<0.2	1.8				
						6.7	0.3	158	18.3	18.3	7.9	7.9	29.0	29.0	96.5	96.5	7.6	7.6	7.2	7.2	4	4	84	84				<0.2	1.8						
IM11	Cloudy	Moderate	09:09	8.4	Surface	1.0	0.3	178	18.4	18.4	8.0	8.0	28.6	28.6	96.7	96.7	7.7	7.7	5.4	5.4	4	4	77	77	81	821502	810552	<0.2	1.5	<0.2	1.6				
						1.0	0.4	189	18.4	18.4	8.0	8.0	28.6	28.6	96.6	96.6	7.7	7.7	5.4	5.4	3	3	77	77				<0.2	1.6						
					Middle	4.2	0.4	167	18.3	18.3	7.9	7.9	28.8	28.8	95.7	95.7	7.6	7.6	5.7	5.7	5	5	82	82				<0.2	1.4	<0.2	1.3				
						4.2	0.4	168	18.3	18.3	7.9	7.9	28.8	28.8	95.7	95.7	7.6	7.6	5.7	5.7	5	5	82	82				<0.2	1.4						
					Bottom	7.4	0.3	140	18.3	18.3	7.9	7.9	29.0	29.0	95.2	95.2	7.5	7.5	7.8	7.8	5	5	84	84				<0.2	1.5	<0.2	1.5				
						7.4	0.4	145	18.3	18.3	7.9	7.9	29.0	29.0	95.3	95.3	7.5	7.5	7.7	7.7	5	5	84	84				<0.2	1.4						
IM12	Cloudy	Moderate	08:54	9.0	Surface	1.0	0.6	127	18.4	18.4	8.0	8.0	28.4	28.4	97.5	97.5	7.7	7.7	4.8	4.8	5	5	78	78	81	821168	811505	<0.2	1.4	<0.2	1.3				
						1.0	0.6	131	18.4	18.4	8.0	8.0	28.4	28.4	97.5	97.5	7.7	7.7	4.9	4.9	3	3	77	77				<0.2	1.4						
					Middle	4.5	0.5	129	18.4	18.4	8.0	8.0	28.5	28.5	96.4	96.4	7.6	7.6	4.8	4.8	5	5	81	81				<0.2	1.5	<0.2	1.6				
						4.5	0.6	138	18.4	18.4	8.0	8.0	28.5	28.5	96.3	96.3	7.6	7.6	4.9	4.9	4	4	82	82				<0.2	1.5						
					Bottom	8.0	0.5	151	18.3	18.3	7.9	7.9	29.2	29.2	93.9	93.9	7.4	7.4	7.0	7.0	6	6	84	84				<0.2	1.5	<0.2	1.6				
						8.0	0.6	154	18.3	18.3	7.9	7.9	29.2	29.2	93.9	93.9	7.4	7.4	7.1	7.1	7	7	84	84				<0.2	1.6						
SR2	Cloudy	Moderate	08:26	3.8	Surface	1.0	0.2	196	18.3	18.3	7.9	7.9	29.0	29.0	95.4	95.4	7.6	7.6	5.3	5.3	4	4	81	81	83	821475	814150	<0.2	1.2	<0.2	1.2				
						1.0	0.2	146	18.3	18.3	7.9	7.9	29.0	29.0	95.3	95.3	7.6	7.6	5.3	5.3	6	6	80	80				<0.2	1.2						
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	2.8	0.2	151	18.2	18.2	7.9	7.9	29.5	29.5	93.1	93.2	7.4	7.4	10.1	10.1	6	6	85	85				<0.2	1.3	<0.2	1.2				
						2.8	0.2	165	18.2	18.2	7.9	7.9	29.5	29.5	93.2	93.2	7.4	7.4	10.1	10.1	4	4	84	84				<0.2	1.2						
SR3	Cloudy	Moderate	09:38	9.2	Surface	1.0	0.4	176	18.5	18.5	7.9	7.9	28.1	28.1	98.6	98.6	7.8	7.8	4.8	4.8	3	3	-	-	81	822129	807580	-	-	-	-				
						1.0	0.4	189	18.5	18.5	7.9	7.9	28.1	28.1	98.6	98.6	7.8	7.8	4.8	4.8	3	3	-	-				-	-						
					Middle	4.6	0.4	186	18.3	18.3	8.0	8.0	28.6	28.6	98.4	98.4	7.8	7.8	5.9	5.9	5	5	-	-				-	-	-	-	-	-		
						4.6	0.4	186	18.3	18.3	8.0	8.0	28.6	28.6	98.4	98.4	7.8	7.8	5.9	5.9	3	3	-	-				-	-	-	-	-	-		
					Bottom	8.2	0.4	149	18.2	18.2	8.0	8.0	29.0	29.0	98.0	98.0	7.8	7.8	6.8	6.8	4	4	-	-				-	-	-	-	-	-	-	
						8.2	0.4	152	18.2	18.2	8.0	8.0	29.0	29.0	98.0	98.0	7.8	7.8	6.8	6.8	4	4	-	-				-	-	-	-	-	-	-	
SR4A	Cloudy	Moderate	08:58	8.3	Surface	1.0	0.3	151	15.4	15.4	7.8	7.8	32.2	32.2	99.3	99.3	8.2	8.2	5.9	5.9	8	8	-	-	81	817189	807803	-	-	-	-				
						1.0	0.3	162	15.4	15.4	7.8	7.8	32.2	32.2	99.2	99.2	8.2	8.2	5.9	5.9	7	7	-	-				-	-						
					Middle	4.2	0.3	150	15.4	15.4	7.8	7.8	32.2	32.2	99.0	99.0	8.1	8.1	6.3	6.3	7	7	-	-				-	-	-	-	-			
						4.2	0.3	164	15.4	15.4	7.8	7.8	32.2	32.2	99.0	99.0	8.1	8.1	6.3	6.3	8	8	-	-				-	-	-	-	-			
					Bottom	7.3	0.3	158	15.2	15.2	7.8	7.8	32.7	32.7	98.5	98.5	8.1	8.1	6.9	6.9	10	10	-	-				-	-	-	-	-	-		
						7.3	0.3	160	15.2	15.2	7.8	7.8	32.7	32.7	98.5	98.5	8.1	8.1	6.9	6.9	11	11	-	-				-	-	-	-	-	-		
SR5A	Cloudy	Calm	08:41	3.9	Surface	1.0	0.2	215	15.6	15.6	7.9	7.9	31.6	31.6	96.6	96.6	7.9	7.9	6.1	6.1	8	8	-	-	81	816582	810685	-	-	-	-				
						1.0	0.2	226	15.6	15.6	7.9	7.9	31.6	31.6	96.6	96.6	7.9	7.9	6.1	6.1	9	9	-	-				-	-						
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		
					Bottom	2.9	0.2	203	15.6	15.6	7.8	7.8	31.6	31.6	96.8	96.8	7.9	7.9	7.1	7.1	8	8	-	-				-	-	-	-	-	-		
						2.9	0.2	219	15.6	15.6	7.8	7.8	31.6	31.6	96.9	96.9	8.0	8.0	7.2	7.2	9	9	-	-				-	-	-	-	-	-		
SR6	Cloudy	Calm	08:16	4.2	Surface	1.0	0.1	150	15.3	15.3	8.0	8.0	29.8	29.8	96.5	96.5	8.1	8.1	2.6	2.6	4	4	-	-	81	817916	814678	-	-	-	-				
						1.0	0.1	162	15.3	15.3	8.0	8.0	29.8	29.8	96.5	96.5	8.1	8.1	2.6	2.6	4	4	-	-				-	-						
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-			
					Bottom	3.2	0.1	140	15.3	15.3	7.9	7.9	30.1	30.1	96.7	96.7	8.1	8.1	5																

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	15:56	8.8	Surface	1.0	0.5	89	15.2	15.2	7.9	7.9	35.4	35.4	102.6	102.6	8.3	8.3	1.8	1.8	2	2	82	82	84	815634	804248	<0.2	1.3	<0.2	0.8					
						1.0	0.5	93	15.2	7.9	7.9	35.4	35.4	102.6	102.6	8.3	8.3	1.8	1.8	3	3	82	82	<0.2				1.2	<0.2	0.6						
						4.4	0.4	94	15.2	7.9	7.9	35.3	35.3	102.1	102.1	8.3	8.3	2.0	2.0	3	3	83	83	<0.2				0.6	<0.2	0.5						
					4.4	0.4	99	15.2	7.9	7.9	35.3	35.3	102.0	102.0	8.3	8.3	2.0	2.0	2	2	84	84	<0.2	0.5				<0.2	0.5							
					7.8	0.4	95	15.3	7.9	7.9	35.7	35.7	100.6	100.6	8.1	8.1	2.2	2.2	4	4	85	85	<0.2	0.5				<0.2	0.4							
					7.8	0.4	95	15.2	7.9	7.9	35.7	35.7	100.6	100.6	8.1	8.1	2.2	2.2	6	6	85	85	<0.2	0.4				<0.2	0.4							
C2	Cloudy	Moderate	14:47	10.7	Surface	1.0	0.2	201	18.1	18.1	7.9	7.9	28.4	28.4	90.6	90.6	7.2	7.2	4.7	4.7	5	5	76	76	81	825692	806932	<0.2	1.6	<0.2	1.8					
						1.0	0.2	217	18.1	7.9	7.9	28.4	28.4	90.6	90.6	7.2	7.2	4.7	4.7	4	4	77	77	<0.2				1.6	<0.2	1.6						
						5.4	0.2	191	18.2	7.9	7.9	28.9	28.9	89.4	89.4	7.1	7.1	4.4	4.4	5	5	82	82	<0.2				1.8	<0.2	1.9						
					5.4	0.2	194	18.2	7.9	7.9	28.9	28.9	89.4	89.4	7.1	7.1	4.4	4.4	5	5	82	82	<0.2	1.8				<0.2	1.9							
					9.7	0.3	186	18.2	7.9	7.9	29.5	29.5	81.6	81.6	6.5	6.5	4.6	4.6	4	4	84	84	<0.2	1.9				<0.2	1.8							
					9.7	0.3	194	18.2	7.9	7.9	29.5	29.5	81.6	81.6	6.5	6.5	4.6	4.6	4	4	84	84	<0.2	1.9				<0.2	1.9							
C3	Cloudy	Moderate	16:48	12.8	Surface	1.0	0.5	258	18.0	18.0	8.0	8.0	30.5	30.5	88.8	88.8	7.0	7.0	3.2	3.2	2	2	80	80	83	822090	817800	<0.2	0.6	<0.2	0.6					
						1.0	0.5	280	18.0	8.0	8.0	30.5	30.5	88.7	88.7	7.0	7.0	3.2	3.2	2	2	80	80	<0.2				0.6	<0.2	0.6						
						6.4	0.5	258	18.0	8.0	8.0	30.8	30.8	87.2	87.2	6.9	6.9	5.4	5.4	3	3	82	82	<0.2				0.4	<0.2	0.5						
					6.4	0.5	282	18.0	8.0	8.0	30.8	30.8	87.2	87.2	6.9	6.9	5.5	5.5	2	2	83	83	<0.2	0.5				<0.2	0.4							
					11.8	0.4	256	18.0	8.0	8.0	30.8	30.8	85.3	85.3	6.7	6.7	6.2	6.2	5	5	85	85	<0.2	0.6				<0.2	0.6							
					11.8	0.4	258	18.0	8.0	8.0	30.8	30.8	85.2	85.2	6.7	6.7	6.3	6.3	7	7	85	85	<0.2	0.4				<0.2	0.4							
IM1	Cloudy	Moderate	15:36	8.2	Surface	1.0	0.4	222	15.2	15.2	7.9	7.9	35.2	35.2	100.8	100.8	8.2	8.2	2.6	2.6	4	4	80	80	82	818335	806469	<0.2	0.5	<0.2	0.8					
						1.0	0.4	239	15.2	7.9	7.9	35.2	35.2	100.8	100.8	8.2	8.2	2.6	2.6	5	5	81	81	<0.2				0.5	<0.2	0.5						
						4.1	0.4	218	15.2	7.9	7.9	35.2	35.2	100.5	100.5	8.1	8.1	3.2	3.2	4	4	82	82	<0.2				0.9	<0.2	0.8						
					4.1	0.4	234	15.2	7.9	7.9	35.2	35.2	100.5	100.5	8.1	8.1	3.3	3.3	5	5	82	82	<0.2	0.8				<0.2	0.8							
					7.2	0.4	162	15.2	7.9	7.9	35.6	35.6	99.9	99.9	8.1	8.1	4.3	4.3	7	7	83	83	<0.2	0.8				<0.2	0.8							
					7.2	0.4	173	15.2	7.9	7.9	35.6	35.6	99.9	99.9	8.1	8.1	4.0	4.0	6	6	83	83	<0.2	1.0				<0.2	1.0							
IM2	Cloudy	Moderate	15:27	8.2	Surface	1.0	0.3	234	15.3	15.3	7.9	7.9	33.8	33.8	99.6	99.6	8.1	8.1	2.0	2.0	3	3	81	81	81	818832	806202	<0.2	1.4	<0.2	1.3					
						1.0	0.3	247	15.3	7.9	7.9	33.8	33.8	99.6	99.6	8.1	8.1	1.9	1.9	4	4	80	80	<0.2				1.3	<0.2	1.2						
						4.1	0.3	180	15.2	7.9	7.9	34.7	34.7	99.9	100.0	8.1	8.1	2.3	2.3	6	6	81	81	<0.2				1.2	<0.2	1.2						
					4.1	0.4	189	15.2	7.9	7.9	34.6	34.7	100.0	100.0	8.1	8.1	2.3	2.3	6	6	81	81	<0.2	1.2				<0.2	1.2							
					7.2	0.3	156	15.2	7.9	7.9	35.1	35.1	99.5	99.6	8.1	8.1	3.1	3.1	6	6	82	82	<0.2	0.9				<0.2	0.9							
					7.2	0.4	171	15.2	7.9	7.9	35.1	35.1	99.6	99.6	8.1	8.1	3.1	3.1	6	6	83	83	<0.2	1.1				<0.2	1.1							
IM3	Cloudy	Moderate	15:19	8.4	Surface	1.0	0.3	220	15.2	15.2	7.8	7.8	33.6	33.6	99.7	99.7	8.1	8.1	1.9	1.9	5	5	81	81	83	819401	806027	<0.2	1.6	<0.2	1.7					
						1.0	0.3	239	15.2	7.8	7.8	33.6	33.6	99.7	99.7	8.1	8.1	2.0	2.0	5	5	86	86	<0.2				1.7	<0.2	1.7						
						4.2	0.3	177	15.2	7.9	7.9	34.4	34.4	99.9	99.9	8.1	8.1	2.2	2.2	5	5	82	82	<0.2				1.9	<0.2	1.9						
					4.2	0.3	187	15.2	7.9	7.9	34.4	34.4	99.8	99.8	8.1	8.1	2.2	2.2	5	5	82	82	<0.2	1.9				<0.2	1.9							
					7.4	0.3	177	15.2	7.9	7.9	34.9	34.9	99.1	99.1	8.1	8.1	2.4	2.4	4	4	83	83	<0.2	1.5				<0.2	1.5							
					7.4	0.3	193	15.2	7.9	7.9	34.9	34.9	99.1	99.1	8.0	8.0	2.4	2.4	4	4	83	83	<0.2	1.7				<0.2	1.7							
IM4	Cloudy	Moderate	15:11	8.0	Surface	1.0	0.4	221	15.3	15.3	7.8	7.8	33.4	33.4	98.9	98.9	8.1	8.1	2.3	2.3	4	4	81	81	81	819557	805037	<0.2	1.8	<0.2	1.9					
						1.0	0.4	238	15.3	7.8	7.8	33.4	33.4	98.9	98.9	8.1	8.1	2.2	2.2	6	6	80	80	<0.2				1.3	<0.2	1.3						
						4.0	0.4	199	15.3	7.9	7.9	33.9	33.9	99.9	99.9	8.1	8.1	3.0	3.0	6	6	81	81	<0.2				1.9	<0.2	1.9						
					4.0	0.4	206	15.3	7.9	7.9	33.9	33.9	99.9	99.9	8.1	8.1	3.0	3.0	5	5	82	82	<0.2	1.2				<0.2	1.2							
					7.0	0.5	167	15.2	7.9	7.9	34.8	34.8	99.7	99.7	8.1	8.1	3.5	3.5	7	7	82	82	<0.2	1.2				<0.2	1.2							
					7.0	0.6	175	15.2	7.9	7.9	34.8	34.8	99.7	99.7	8.1	8.1	3.5	3.5	6	6	82	82	<0.2	1.4				<0.2	1.4							
IM5	Cloudy	Moderate	15:04	6.9	Surface	1.0	0.4	228	15.3	15.3	7.8	7.8	33.2	33.2	98.3	98.3	8.0	8.0	2.5	2.5	5	5	80	80	81	820562	804910	<0.2	1.6	<0.2	1.7					
						1.0	0.5	245	15.3	7.8	7.8	33.2	33.2	98.3	98.3	8.0	8.0	2.5	2.5	4	4	79	79	<0.2				1.5	<0.2	1.5						
						3.5	0.3	216	15.3	7.9	7.9	33.6	33.6	99.2	99.2	8.1	8.1	3.0	3.0	7	7	81	81	<0.2				1.7	<0.2	1.7						
					3.5	0.4	221	15.3	7.9	7.9	33.6	33.6	99.2	99.2	8.1	8.1	3.0	3.0	7	7	81	81	<0.2	1.9				<0.2	1.9							
					5.9	0.4	178	15.2	7.9	7.9	34.9	34.9	99.1	99.1	8.0	8.0	4.9	4.9	7	7	81	81	<0.2	1.0				<0.2	1.0							
					5.9	0.4	190	15.2	7.9	7.9	34.9	34.9	99.1	99.1	8.0	8.0	4.9	4.9	8	8	82	82	<0.2	1.1				<0.2	1.1							
IM6	Cloudy	Moderate	14:56	6.6	Surface	1.0	0.4	245	15.3	15.3	7.8	7.8	33.2	33.2	98.2	98.2	8.0	8.0	3.5	3.5	7	7	82	82	83	821055	805811	<0.2	1.4	<0.2	1.6					
						1.0	0.4	246	15.3	7.8	7.8	33.2	33.2	98.2	98.2	8.0	8.0	3.5	3.5	7	7	82	82	<0.2				1.6	<0.2	1.6						
						3.3	0.4	229																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)			Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Surface	Middle	Bottom			Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
IM9	Cloudy	Moderate	15:29	7.2	Surface	1.0	0.4	234	18.1	18.1	8.0	8.0	29.0	29.0	96.1	96.1	7.6	7.6	5.4	7.7	4	5	77	81	82	81	822111	808806	<0.2	<0.2	1.3	1.3		
						1.0	0.4	242	18.1	18.1	8.0	8.0	29.0	29.0	96.1	96.1	7.6	7.6	5.4	7.7	4	5	78	81	82	81	<0.2	<0.2	1.4	1.4				
					Middle	3.6	0.4	235	18.1	18.1	8.0	8.0	29.3	29.3	96.6	96.6	7.7	7.7	5.8	7.4	4	5	82	81	81	81	<0.2	<0.2	1.6	1.6				
						3.6	0.4	243	18.1	18.1	8.0	8.0	29.3	29.3	96.6	96.6	7.7	7.7	5.8	7.4	6	5	81	81	81	81	<0.2	<0.2	1.6	1.6				
					Bottom	6.2	0.4	227	18.1	18.1	8.0	8.0	29.7	29.7	96.5	96.5	7.6	7.6	7.4	7.4	6	5	84	84	84	84	<0.2	<0.2	1.0	1.0				
						6.2	0.4	241	18.1	18.1	8.0	8.0	29.7	29.7	96.5	96.5	7.6	7.6	7.4	7.4	6	5	84	84	84	84	<0.2	<0.2	1.0	1.0				
IM10	Cloudy	Moderate	15:39	7.1	Surface	1.0	0.4	274	18.2	18.2	8.0	8.0	29.0	29.0	94.6	94.6	7.5	7.5	4.5	7.5	4	5	78	81	82	81	822251	809834	<0.2	<0.2	1.3	1.2		
						1.0	0.4	284	18.2	18.2	8.0	8.0	29.0	29.0	94.6	94.6	7.5	7.5	4.5	7.4	4	5	78	81	82	81	<0.2	<0.2	1.2	1.1				
					Middle	3.6	0.4	271	18.1	18.1	8.0	8.0	29.5	29.5	94.3	94.3	7.5	7.5	7.4	7.4	3	5	82	82	82	82	<0.2	<0.2	1.1	1.1				
						3.6	0.4	285	18.1	18.1	8.0	8.0	29.5	29.5	94.2	94.3	7.5	7.5	7.4	7.4	3	5	82	82	82	82	<0.2	<0.2	1.2	1.3				
					Bottom	6.1	0.3	247	18.0	18.0	8.0	8.0	30.1	30.1	90.6	90.6	7.2	7.2	8.3	8.3	9	5	84	84	84	84	<0.2	<0.2	1.1	1.1				
						6.1	0.4	249	18.0	18.0	8.0	8.0	30.1	30.1	90.5	90.6	7.2	7.2	8.4	8.4	9	5	84	84	84	84	<0.2	<0.2	1.1	1.1				
IM11	Cloudy	Moderate	15:49	8.1	Surface	1.0	0.6	261	18.1	18.1	8.0	8.0	29.2	29.2	96.2	96.2	7.6	7.6	3.8	7.6	4	4	79	82	82	82	821514	810525	<0.2	<0.2	1.1	1.2		
						1.0	0.6	272	18.1	18.1	8.0	8.0	29.2	29.2	96.2	96.2	7.6	7.6	3.9	7.6	5	4	79	82	82	82	<0.2	<0.2	1.2	1.1				
					Middle	4.1	0.4	270	18.1	18.1	8.0	8.0	29.7	29.7	95.0	95.0	7.5	7.5	5.2	5.2	3	4	82	82	82	82	<0.2	<0.2	1.4	1.4				
						4.1	0.4	279	18.1	18.1	8.0	8.0	29.7	29.7	95.0	95.0	7.5	7.5	5.3	5.3	3	4	82	82	82	82	<0.2	<0.2	1.2	1.2				
					Bottom	7.1	0.3	256	18.0	18.0	8.0	8.0	30.1	30.1	92.9	92.9	7.3	7.3	6.2	6.2	4	4	84	84	84	84	<0.2	<0.2	1.2	1.2				
						7.1	0.3	261	18.0	18.0	8.0	8.0	30.1	30.1	92.8	92.9	7.3	7.3	6.2	6.2	5	4	84	84	84	84	<0.2	<0.2	1.1	1.1				
IM12	Cloudy	Moderate	15:58	9.5	Surface	1.0	0.6	274	18.0	18.0	8.0	8.0	29.8	29.8	93.4	93.4	7.4	7.4	6.9	7.3	9	9	79	82	82	82	821155	811519	<0.2	<0.2	1.0	1.1		
						1.0	0.6	288	18.0	18.0	8.0	8.0	29.8	29.8	93.3	93.4	7.4	7.4	6.9	7.3	10	9	78	82	82	82	<0.2	<0.2	1.3	1.3				
					Middle	4.8	0.5	266	18.0	18.0	8.0	8.0	29.9	29.9	91.3	91.3	7.2	7.2	9.8	9.8	9	9	83	83	83	83	<0.2	<0.2	1.1	1.1				
						4.8	0.5	266	18.0	18.0	8.0	8.0	29.9	29.9	91.2	91.3	7.2	7.2	9.9	9.9	9	9	82	83	83	83	<0.2	<0.2	1.1	1.1				
					Bottom	8.5	0.4	257	18.0	18.0	8.0	8.0	30.0	30.0	85.6	85.5	6.8	6.8	11.5	11.5	8	9	84	84	84	84	<0.2	<0.2	1.1	1.1				
						8.5	0.4	271	18.0	18.0	8.0	8.0	30.0	30.0	85.4	85.5	6.8	6.8	11.6	11.6	8	9	84	84	84	84	<0.2	<0.2	0.9	0.9				
SR2	Cloudy	Moderate	16:23	5.0	Surface	1.0	0.5	217	18.0	18.0	8.0	8.0	30.2	30.2	87.4	87.4	6.9	6.9	8.2	6.9	10	9	79	82	82	82	821478	814157	<0.2	<0.2	0.9	0.8		
						1.0	0.5	232	18.0	18.0	8.0	8.0	30.1	30.1	87.3	87.4	6.9	6.9	8.0	6.9	8	9	80	85	85	84	<0.2	<0.2	0.8	0.8				
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	-
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-
					Bottom	4.0	0.4	201	18.0	18.0	8.0	8.0	30.1	30.1	82.2	82.2	6.5	6.5	10.7	10.7	8	9	85	84	84	84	<0.2	<0.2	1.1	1.1				
						4.0	0.4	217	18.0	18.0	8.0	8.0	30.1	30.1	82.2	82.2	6.5	6.5	10.7	10.7	10	9	84	84	84	84	<0.2	<0.2	0.9	0.9				
SR3	Cloudy	Moderate	15:15	9.2	Surface	1.0	0.3	215	18.1	18.1	7.9	7.9	28.6	28.6	93.4	93.4	7.4	7.4	4.2	7.3	4	5	-	-	-	-	822155	807573	-	-	-	-		
						1.0	0.4	227	18.1	18.1	7.9	7.9	28.6	28.6	93.4	93.4	7.4	7.4	4.2	7.3	3	5	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.6	0.3	186	18.1	18.1	8.0	8.0	29.3	29.3	90.8	90.8	7.2	7.2	5.1	5.1	6	5	-	-	-	-	-	-	-	-	-	-	-	-
						4.6	0.3	204	18.1	18.1	8.0	8.0	29.3	29.3	90.8	90.8	7.2	7.2	5.1	5.1	5	5	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	8.2	0.4	139	18.0	18.0	8.0	8.0	30.6	30.6	79.1	79.1	6.2	6.2	5.4	5.4	4	5	-	-	-	-	-	-	-	-	-	-	-	-
						8.2	0.4	146	18.0	18.0	8.0	8.0	30.6	30.6	79.1	79.1	6.2	6.2	5.4	5.4	5	5	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Cloudy	Moderate	16:15	8.5	Surface	1.0	0.3	214	15.1	15.1	7.9	7.9	35.1	35.1	99.4	99.4	8.1	8.1	8.4	8.1	11	11	-	-	-	-	817186	807825	-	-	-	-		
						1.0	0.3	219	15.1	15.1	7.9	7.9	35.1	35.1	99.4	99.4	8.1	8.1	8.3	8.1	10	11	-	-	-	-	-	-	-	-	-	-		
					Middle	4.3	0.3	214	15.1	15.1	7.9	7.9	35.1	35.1	99.3	99.3	8.1	8.1	7.9	7.9	11	11	-	-	-	-	-	-	-	-	-	-	-	-
						4.3	0.3	215	15.1	15.1	7.9	7.9	35.1	35.1	99.3	99.3	8.1	8.1	7.9	7.9	12	11	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.5	0.2	202	15.1	15.1	7.9	7.9	35.2	35.2	99.2	99.2	8.0	8.0	8.0	8.0	10	11	-	-	-	-	-	-	-	-	-	-	-	-
						7.5	0.3	217	15.1	15.1	7.9	7.9	35.2	35.2	99.2	99.2	8.1	8.1	8.1	8.1	11	11	-	-	-	-	-	-	-	-	-	-	-	
SR5A	Cloudy	Calm	16:34	5.1	Surface	1.0	0.3	219	15.3	15.3	7.8	7.8	33.9	33.9	96.7	96.8	7.9	7.9	7.0	7.9	9	9	-	-	-	-	816575	810704	-	-	-	-		
						1.0	0.3	226	15.3	15.3	7.8	7.8	33.9	33.9	96.9	96.9	7.9	7.9	6.6	6.6	9	9	-	-	-	-	-	-	-	-	-			
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	
					Bottom	4.1	0.3	167	15.2	15.2	7.8	7.8	33.9	33.9	98.5	98.5	8.0	8.0	6.9	6.9	10	9	-	-	-	-	-	-	-	-	-	-	-	
						4.1	0.3	172	15.2	15.2	7.8	7.8	33.9	33.9	98.5	98.5	8.0	8.0																

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	11:20	8.4	Surface	1.0	0.4	174	15.2	15.2	7.9	7.9	34.6	34.6	103.4	103.4	8.4	8.4	2.9	8.4	6	6	82	82	815623	804261	<0.2	0.3	<0.2	0.4
						1.0	0.4	176	15.2	7.9	7.9	34.6	34.6	103.4	103.4	8.4	8.4	2.9	8.4	5	6	82	83	<0.2			0.5			
						4.2	0.4	210	15.2	7.9	7.9	34.5	34.5	102.9	102.9	8.4	8.4	3.1	3.1	4	4	83	83	<0.2			0.2			
					Middle	4.2	0.4	220	15.2	7.9	7.9	34.5	34.5	102.9	102.9	8.4	8.4	3.1	3.1	4	4	83	83	<0.2			0.3	<0.2	0.2	
						7.4	0.3	207	15.2	7.9	7.9	34.5	34.5	102.9	102.9	8.1	8.1	3.2	3.2	9	9	84	84	<0.2			0.2	<0.2	0.3	
						7.4	0.4	215	15.2	7.9	7.9	34.5	34.5	99.9	99.9	8.1	8.1	3.2	3.2	9	9	85	85	<0.2			0.5			
C2	Cloudy	Moderate	11:58	11.8	Surface	1.0	0.4	166	18.1	18.1	8.0	8.0	28.8	28.8	95.8	95.8	7.6	7.6	5.2	7.6	5	5	77	77	825691	806952	<0.2	1.4	<0.2	1.6
						1.0	0.4	179	18.1	8.0	8.0	30.0	30.0	95.7	95.7	7.6	7.6	4.5	4.5	5	5	82	82	<0.2			0.8			
						5.9	0.3	163	18.1	8.0	8.0	30.0	30.0	95.7	95.7	7.6	7.6	4.5	4.5	5	5	81	81	<0.2			0.7			
					Middle	5.9	0.3	168	18.1	8.0	8.0	30.2	30.2	95.3	95.3	7.5	7.5	4.7	4.7	5	5	83	83	<0.2			0.8	<0.2	0.8	
						10.8	0.2	168	18.1	8.0	8.0	30.2	30.2	95.3	95.3	7.5	7.5	4.7	4.7	4	4	83	83	<0.2			0.7			
						10.8	0.2	174	18.1	8.0	8.0	30.2	30.2	95.3	95.3	7.5	7.5	4.7	4.7	4	4	83	83	<0.2			0.7			
C3	Cloudy	Moderate	10:11	12.4	Surface	1.0	0.3	95	18.0	18.0	7.9	7.9	30.7	30.7	91.8	91.8	7.2	7.2	2.9	7.2	4	4	80	80	822121	817803	<0.2	0.5	<0.2	0.6
						1.0	0.3	99	18.0	7.9	7.9	30.7	30.7	91.8	91.8	7.2	7.2	2.9	2.9	2	2	80	80	<0.2			0.6			
						6.2	0.3	101	18.0	7.9	7.9	30.7	30.7	91.6	91.6	7.2	7.2	3.0	3.0	4	4	82	82	<0.2			0.4			
					Middle	6.2	0.3	108	18.0	7.9	7.9	30.7	30.7	91.6	91.6	7.2	7.2	3.0	3.0	3	3	83	83	<0.2			0.4	<0.2	0.4	
						11.4	0.2	107	18.0	7.9	7.9	30.8	30.8	91.9	91.9	7.2	7.2	3.7	3.7	3	3	84	84	<0.2			0.5			
						11.4	0.3	108	18.0	7.9	7.9	30.8	30.8	91.9	91.9	7.2	7.2	3.7	3.7	3	3	85	85	<0.2			0.4			
IM1	Cloudy	Moderate	11:39	7.2	Surface	1.0	0.3	168	15.0	15.0	7.9	7.9	34.4	34.4	100.7	100.7	8.2	8.2	4.1	8.2	4	4	80	80	818337	806464	<0.2	0.2	<0.2	0.2
						1.0	0.3	170	15.0	7.9	7.9	34.4	34.4	100.6	100.6	8.2	8.2	4.1	4.1	4	4	80	80	<0.2			0.2			
						3.6	0.3	152	15.1	7.9	7.9	34.5	34.5	99.8	99.8	8.1	8.1	4.0	4.0	3	3	81	81	<0.2			0.3			
					Middle	3.6	0.3	157	15.1	7.9	7.9	34.5	34.5	99.8	99.8	8.1	8.1	4.0	4.0	3	3	81	81	<0.2			0.4	<0.2	0.3	
						6.2	0.3	154	15.1	7.9	7.9	34.6	34.6	98.3	98.3	8.0	8.0	3.9	3.9	5	5	82	82	<0.2			0.4			
						6.2	0.3	158	15.1	7.9	7.9	34.6	34.6	98.3	98.3	8.0	8.0	3.9	3.9	5	5	82	82	<0.2			0.4			
IM2	Cloudy	Moderate	11:45	8.3	Surface	1.0	0.3	194	15.1	15.1	7.8	7.8	33.7	33.7	99.7	99.7	8.2	8.2	2.2	8.2	3	3	80	80	818837	806212	<0.2	0.5	<0.2	0.5
						1.0	0.3	194	15.1	7.8	7.8	33.7	33.7	99.7	99.7	8.2	8.2	2.2	2.2	4	4	80	80	<0.2			0.5			
						4.2	0.3	173	15.0	7.9	7.9	34.4	34.4	99.8	99.8	8.2	8.2	4.0	4.0	6	6	81	81	<0.2			0.6			
					Middle	4.2	0.3	180	15.0	7.9	7.9	34.4	34.4	99.8	99.8	8.2	8.2	4.1	4.1	7	7	81	81	<0.2			0.7	<0.2	0.7	
						7.3	0.3	180	15.0	7.9	7.9	34.5	34.5	98.5	98.5	8.0	8.0	3.4	3.4	5	5	82	82	<0.2			0.8			
						7.3	0.3	185	15.0	7.9	7.9	34.5	34.5	98.5	98.5	8.0	8.0	3.4	3.4	5	5	83	83	<0.2			1.0			
IM3	Cloudy	Moderate	11:53	8.5	Surface	1.0	0.3	214	15.2	15.2	7.8	7.8	33.2	33.2	98.7	98.8	8.1	8.1	2.8	8.1	4	4	81	81	819406	806038	<0.2	1.0	<0.2	1.0
						1.0	0.3	228	15.2	7.8	7.8	33.2	33.2	98.8	98.8	8.1	8.1	2.7	2.7	3	3	81	81	<0.2			1.0			
						4.3	0.3	173	15.1	7.9	7.9	34.2	34.2	100.0	100.0	8.2	8.2	4.0	4.0	4	4	82	82	<0.2			0.9			
					Middle	4.3	0.3	175	15.1	7.9	7.9	34.2	34.2	100.0	100.0	8.2	8.2	4.0	4.0	4	4	82	82	<0.2			1.0	<0.2	1.0	
						7.5	0.3	166	15.1	7.9	7.9	34.3	34.3	98.0	98.0	8.0	8.0	10.7	10.7	6	6	83	83	<0.2			1.0			
						7.5	0.3	169	15.1	7.9	7.9	34.3	34.3	98.0	98.0	8.0	8.0	10.7	10.7	7	7	83	83	<0.2			1.2			
IM4	Cloudy	Moderate	12:00	7.8	Surface	1.0	0.3	185	15.1	15.1	7.9	7.9	34.0	34.0	100.9	100.9	8.3	8.3	3.2	8.3	4	4	82	82	819580	805042	<0.2	0.7	<0.2	0.7
						1.0	0.4	199	15.1	7.9	7.9	34.0	34.0	100.9	100.9	8.2	8.2	3.2	3.2	4	4	82	82	<0.2			0.9			
						3.9	0.3	182	15.1	7.9	7.9	34.1	34.1	100.1	100.1	8.2	8.2	3.4	3.4	4	4	83	83	<0.2			1.0			
					Middle	3.9	0.3	196	15.1	7.9	7.9	34.1	34.1	100.1	100.1	8.2	8.2	3.4	3.4	5	5	83	83	<0.2			1.0	<0.2	1.0	
						6.8	0.3	185	15.1	7.9	7.9	34.5	34.5	98.9	98.9	8.1	8.1	3.8	3.8	6	6	84	84	<0.2			1.0			
						6.8	0.3	202	15.1	7.9	7.9	34.5	34.5	98.9	98.9	8.1	8.1	3.8	3.8	7	7	84	84	<0.2			1.1			
IM5	Cloudy	Moderate	12:09	6.6	Surface	1.0	0.3	183	15.1	15.1	7.9	7.9	33.6	33.6	100.2	100.2	8.2	8.2	4.3	8.2	5	5	79	79	820544	804921	<0.2	1.7	<0.2	1.9
						1.0	0.4	186	15.1	7.9	7.9	33.6	33.6	100.2	100.2	8.2	8.2	4.3	4.3	4	4	79	79	<0.2			1.9			
						3.3	0.3	176	15.1	7.9	7.9	33.9	33.9	100.1	100.1	8.2	8.2	5.8	5.8	5	5	80	80	<0.2			0.9			
					Middle	3.3	0.3	193	15.1	7.9	7.9	33.9	33.9	100.1	100.1	8.2	8.2	5.8	5.8	5	5	81	81	<0.2			1.1	<0.2	1.1	
						5.6	0.3	163	15.1	7.9	7.9	34.3	34.3	99.8	99.8	8.1	8.1	8.4	8.4	7	7	81	81	<0.2			0.6			
						5.6	0.3	172	15.1	7.9	7.9	34.3	34.3	99.8	99.8	8.1	8.1	8.4	8.4	7	7	81	81	<0.2			0.6			
IM6	Cloudy	Moderate	12:17	6.8	Surface	1.0	0.4	163	15.1	15.1	7.8	7.8	33.4	33.4	99.0	99.0	8.1	8.1	3.2	8.1	5	5	80	80	821064	805841	<0.2	1.0	<0.2	0.8
						1.0	0.4	172	15.1	7.8	7.8	33.3	33.4	99.0	99.0	8.1	8.1	3.2	3.2	4	4	81	81	<0.2			0.8			
						3.4	0.3	155	15.1	7.8	7.8	33.9	33.9	99.3	99.3	8.1	8.1	3.9	3.9	5	5	81	81	<0.2			0.9			
					Middle	3.4	0.4	163	15.1	7.8	7.8	33.9	33.9	99.3	99.3	8.1	8.1	3.9	3.9	5	5	82	82	<0.2			0.9	<0.2	0.9	
						5.8	0.4	151	15.1	7.9	7.9	34.2	34.2	99.0	99.0	8.1	8.1	4.4	4.4	5	5	82	82	<0.2			0.8			
						5.8	0.4	151	15.1	7.9	7.9	34.2	34.2	98.9	99.0	8.1	8.1	4.4	4.4	5	5	83	83	<0.2			0.8			
IM7	Cloudy	Moderate	12:25	7.9	Surface	1.0	0.3	165	15.3																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA						
IM9	Cloudy	Moderate	11:22	7.0	Surface	1.0	0.5	135	18.1	18.1	8.0	8.0	29.0	29.0	97.9	97.9	7.8	7.8	5.6	6	77	6	81	81	822087	808796	<0.2	<0.2	1.6	1.6								
						1.0	0.5	144	18.1	8.0	8.0	29.0	29.0	97.9	97.9	7.8	7.8	5.6	5	76	5	76	5	76	5	76	5	76	5	76	5	76	5	76	5			
					Middle	3.5	0.5	148	18.0	18.0	8.0	8.0	29.8	29.8	99.0	99.0	99.0	99.0	7.8	7.8	6.0	6	81	6	81	6	81	6	81	6	81	6	81	6	81	6	81	6
						3.5	0.5	159	18.0	18.0	8.0	8.0	29.8	29.8	99.0	99.0	99.0	99.0	7.8	7.8	6.0	6	82	6	82	6	82	6	82	6	82	6	82	6	82	6	82	6
					Bottom	6.0	0.4	162	18.0	18.0	8.0	8.0	30.4	30.4	98.8	98.8	98.8	98.8	7.8	7.8	7.1	7	83	7	83	7	83	7	83	7	83	7	83	7	83	7	83	7
						6.0	0.5	172	18.0	18.0	8.0	8.0	30.4	30.4	98.8	98.8	98.8	98.8	7.8	7.8	7.1	5	84	5	84	5	84	5	84	5	84	5	84	5	84	5	84	5
IM10	Cloudy	Moderate	11:14	7.8	Surface	1.0	0.4	146	18.0	18.0	8.0	8.0	29.5	29.5	97.8	97.8	7.8	7.8	6.0	2	77	2	77	2	77	2	77	2	77	2	77	2						
						1.0	0.4	159	18.0	18.0	8.0	8.0	29.5	29.5	97.8	97.8	7.8	7.8	6.0	4	77	4	77	4	77	4	77	4	77	4	77	4	77	4	77	4		
					Middle	3.9	0.4	145	18.0	18.0	8.0	8.0	29.8	29.8	97.9	97.9	97.9	97.9	7.8	7.8	6.8	4	82	4	82	4	82	4	82	4	82	4	82	4	82	4	82	4
						3.9	0.4	148	18.0	18.0	8.0	8.0	29.8	29.8	97.9	97.9	97.9	97.9	7.8	7.8	6.8	5	82	5	82	5	82	5	82	5	82	5	82	5	82	5	82	5
					Bottom	6.8	0.4	148	18.0	18.0	8.0	8.0	30.2	30.2	98.0	98.0	98.0	98.0	7.8	7.8	8.8	5	84	5	84	5	84	5	84	5	84	5	84	5	84	5	84	5
						6.8	0.4	151	18.0	18.0	8.0	8.0	30.2	30.2	98.0	98.0	98.0	98.0	7.8	7.8	8.8	4	84	4	84	4	84	4	84	4	84	4	84	4	84	4	84	4
IM11	Cloudy	Moderate	11:06	8.0	Surface	1.0	0.4	134	18.0	18.0	8.0	8.0	29.9	29.9	96.9	96.9	7.7	7.7	8.0	7	78	7	78	7	78	7	78	7	78	7	78	7						
						1.0	0.4	146	18.0	18.0	8.0	8.0	29.9	29.9	96.9	96.9	7.7	7.7	8.0	6	78	6	78	6	78	6	78	6	78	6	78	6	78	6				
					Middle	4.0	0.4	141	18.0	18.0	8.0	8.0	30.0	30.0	96.7	96.7	7.7	7.7	7.8	7	82	7	82	7	82	7	82	7	82	7	82	7	82	7	82	7		
						4.0	0.4	149	18.0	18.0	8.0	8.0	30.0	30.0	96.7	96.7	7.7	7.7	7.8	7	81	7	81	7	81	7	81	7	81	7	81	7	81	7	81	7		
					Bottom	7.0	0.4	136	18.0	18.0	8.0	8.0	30.0	30.0	97.3	97.3	7.7	7.7	7.8	9	84	9	84	9	84	9	84	9	84	9	84	9	84	9	84	9		
						7.0	0.4	148	18.0	18.0	8.0	8.0	30.0	30.0	97.3	97.3	7.7	7.7	7.8	9	84	9	84	9	84	9	84	9	84	9	84	9	84	9	84	9		
IM12	Cloudy	Moderate	10:58	8.8	Surface	1.0	0.4	120	18.0	18.0	8.0	8.0	29.8	29.8	96.6	96.6	7.7	7.7	6.0	4	78	4	78	4	78	4	78	4	78	4	78	4						
						1.0	0.4	129	18.0	18.0	8.0	8.0	29.8	29.8	96.6	96.6	7.7	7.7	6.0	5	79	5	79	5	79	5	79	5	79	5	79	5	79	5				
					Middle	4.4	0.4	123	18.0	18.0	8.0	8.0	30.0	30.0	96.0	96.0	7.6	7.6	6.4	6	83	6	83	6	83	6	83	6	83	6	83	6	83	6	83	6		
						4.4	0.4	126	18.0	18.0	8.0	8.0	30.0	30.0	96.0	96.0	7.6	7.6	6.4	8	82	8	82	8	82	8	82	8	82	8	82	8	82	8	82	8		
					Bottom	7.8	0.4	105	18.0	18.0	8.0	8.0	30.0	30.0	95.7	95.7	7.6	7.6	6.7	7	84	7	84	7	84	7	84	7	84	7	84	7	84	7	84	7		
						7.8	0.5	113	18.0	18.0	8.0	8.0	30.0	30.0	95.7	95.7	7.6	7.6	6.7	7	84	7	84	7	84	7	84	7	84	7	84	7	84	7	84	7		
SR2	Cloudy	Moderate	10:35	3.9	Surface	1.0	0.3	116	18.0	18.0	8.0	8.0	29.9	29.9	94.7	94.7	7.5	7.5	5.6	5	81	5	81	5	81	5	81	5	81	5	81	5						
						1.0	0.3	119	18.0	18.0	8.0	8.0	29.9	29.9	94.7	94.7	7.5	7.5	5.6	5	80	5	80	5	80	5	80	5	80	5	80	5						
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	2.9	0.2	155	18.0	18.0	8.0	8.0	30.0	30.0	94.6	94.6	7.5	7.5	5.9	6	85	6	85	6	85	6	85	6	85	6	85	6	85	6				
						2.9	0.2	157	18.0	18.0	8.0	8.0	30.0	30.0	94.6	94.6	7.5	7.5	5.9	5	84	5	84	5	84	5	84	5	84	5	84	5	84	5				
SR3	Cloudy	Moderate	11:36	8.7	Surface	1.0	0.4	183	18.1	18.1	7.9	7.9	28.7	28.7	97.3	97.3	7.7	7.7	5.8	6	-	6	-	-	-	-	-	-	-	-	-							
						1.0	0.5	191	18.1	18.1	7.9	7.9	28.7	28.7	97.3	97.3	7.7	7.7	5.9	6	-	6	-	-	-	-	-	-	-	-	-							
					Middle	4.4	0.3	148	18.0	18.0	8.0	8.0	29.9	29.9	99.3	99.4	7.9	7.9	7.7	6	-	6	-	-	-	-	-	-	-	-	-							
						4.4	0.3	154	18.0	18.0	8.0	8.0	29.8	29.8	99.4	99.4	7.9	7.9	7.7	5	-	5	-	-	-	-	-	-	-	-								
					Bottom	7.7	0.3	172	18.0	18.0	8.1	8.1	30.5	30.5	99.9	99.9	7.9	7.9	8.3	6	-	6	-	-	-	-	-	-	-	-								
						7.7	0.4	184	18.0	18.0	8.1	8.1	30.5	30.5	99.9	99.9	7.9	7.9	8.3	6	-	6	-	-	-	-	-	-	-									
SR4A	Cloudy	Moderate	10:59	9.2	Surface	1.0	0.4	117	15.0	15.0	7.8	7.8	33.5	33.5	99.3	99.3	8.2	8	-	8	-	-	-	-	-	-	-											
						1.0	0.4	125	15.0	15.0	7.8	7.8	33.5	33.5	99.3	99.3	8.2	9	-	9	-	-	-	-	-	-	-											
					Middle	4.6	0.4	105	15.0	15.0	7.8	7.8	33.5	33.5	99.1	99.1	8.1	10	-	10	-	-	-	-	-	-	-											
						4.6	0.4	106	15.0	15.0	7.8	7.8	33.5	33.5	99.1	99.1	8.1	8	-	8	-	-	-	-	-	-	-											
					Bottom	8.2	0.3	122	15.0	15.0	7.8	7.8	33.5	33.5	98.6	98.6	8.1	9	-	9	-	-	-	-	-	-	-											
						8.2	0.4	124	15.0	15.0	7.8	7.8	33.5	33.5	98.6	98.6	8.1	9	-	9	-	-	-	-	-	-	-											
SR5A	Cloudy	Calm	10:41	4.1	Surface	1.0	0.1	233	15.3	15.3	7.7	7.7	31.5	31.5	94.7	94.7	7.8	5	-	5	-	-	-	-	-	-												
						1.0	0.2	251	15.3	15.3	7.7	7.7	31.5	31.5	94.7	94.7	7.8	6	-	6	-	-	-	-	-	-												
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					Bottom	3.1	0.1	210	15.2	15.2	7.7	7.7	31.6	31.6	94.9	94.9	7.8	8	-	8	-																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
C1	Cloudy	Moderate	07:07	8.7	Surface	1.0	0.6	92	15.3	7.9	7.9	32.5	32.5	98.3	98.3	8.1	8.1	6.5	8.1	11	79	18	81	81	815620	804242	<0.2	0.8	<0.2	0.6		
						1.0	0.7	96	15.3	7.9	7.9	32.5	32.5	98.2	98.2	8.1	8.1	6.6	8.1	9	80	18	81	18	81	81	815620	804242	<0.2	0.7	<0.2	0.6
					Middle	4.4	0.6	98	15.3	7.9	7.9	32.9	32.9	97.7	97.7	8.0	8.0	10.9	8.0	11.0	11.0	18	81	25	81	81	815620	804242	<0.2	0.5	<0.2	0.7
						4.4	0.6	99	15.3	7.9	7.9	32.9	32.9	97.7	97.7	8.0	8.0	11.0	8.0	11.0	11.0	18	81	25	81	81	815620	804242	<0.2	0.5	<0.2	0.7
					Bottom	7.7	0.6	75	15.3	7.9	7.9	33.5	33.5	97.2	97.2	7.9	7.9	17.2	7.9	17.2	7.9	16.8	7.9	26	82	81	815620	804242	<0.2	0.5	<0.2	0.5
						7.7	0.6	76	15.3	7.9	7.9	33.5	33.5	97.1	97.2	7.9	7.9	16.8	7.9	16.8	7.9	26	82	81	815620	804242	<0.2	0.5	<0.2	0.5		
C2	Cloudy	Moderate	07:28	12.4	Surface	1.0	0.3	164	18.2	7.9	7.9	27.3	27.3	93.5	93.5	7.5	7.5	7.8	7.5	6	76	8	81	81	825690	806951	<0.2	2.0	<0.2	2.1		
						1.0	0.3	166	18.2	7.9	7.9	27.3	27.3	93.5	93.5	7.5	7.5	7.8	7.5	7	77	8	81	8	81	81	825690	806951	<0.2	2.1	<0.2	2.1
					Middle	6.2	0.2	131	18.2	7.9	7.9	28.0	28.0	93.7	93.7	7.5	7.5	10.5	7.5	10.5	7.5	6	82	11	83	81	825690	806951	<0.2	1.6	<0.2	1.6
						6.2	0.2	137	18.2	7.9	7.9	28.0	28.0	93.7	93.7	7.5	7.5	10.5	7.5	10.5	7.5	6	82	11	83	81	825690	806951	<0.2	2.0	<0.2	2.0
					Bottom	11.4	0.3	265	18.2	8.0	8.0	29.9	29.9	97.0	97.0	7.7	7.7	27.2	7.7	27.2	7.7	11	84	11	84	81	825690	806951	<0.2	1.8	<0.2	1.8
						11.4	0.3	284	18.2	8.0	8.0	29.9	29.9	97.0	97.0	7.7	7.7	27.2	7.7	27.2	7.7	11	84	11	84	81	825690	806951	<0.2	1.8	<0.2	1.8
C3	Cloudy	Moderate	05:41	12.3	Surface	1.0	0.3	250	18.1	8.0	8.0	30.9	30.9	91.2	91.2	7.2	7.2	7.9	7.2	10	80	11	83	82	822113	817819	<0.2	0.6	<0.2	0.5		
						1.0	0.4	253	18.1	8.0	8.0	30.9	30.9	91.2	91.2	7.2	7.2	7.9	7.2	10	80	11	83	82	822113	817819	<0.2	0.5	<0.2	0.6		
					Middle	6.2	0.3	248	18.1	8.0	8.0	30.9	30.9	91.1	91.1	7.2	7.2	7.2	7.2	7.2	7.2	9	83	11	83	82	822113	817819	<0.2	0.6	<0.2	0.5
						6.2	0.3	255	18.1	8.0	8.0	30.9	30.9	91.1	91.1	7.2	7.2	7.2	7.2	7.2	7.2	11	82	12	84	81	822113	817819	<0.2	0.5	<0.2	0.6
					Bottom	11.3	0.3	256	18.1	8.0	8.0	30.9	30.9	91.0	91.0	7.2	7.2	9.2	7.2	9.2	7.2	12	84	14	85	81	822113	817819	<0.2	0.5	<0.2	0.6
						11.3	0.4	276	18.1	8.0	8.0	30.9	30.9	91.0	91.0	7.2	7.2	9.2	7.2	9.2	7.2	14	85	14	85	81	822113	817819	<0.2	0.6	<0.2	0.6
IM1	Cloudy	Moderate	07:26	7.8	Surface	1.0	0.4	165	15.4	7.9	7.9	33.3	33.3	98.2	98.2	8.0	8.0	12.1	8.0	16	79	27	80	81	818363	806468	<0.2	0.6	<0.2	0.8		
						1.0	0.4	179	15.4	7.9	7.9	33.3	33.3	98.2	98.2	8.0	8.0	12.2	8.0	18	79	27	80	27	80	81	818363	806468	<0.2	0.6	<0.2	0.7
					Middle	3.9	0.4	148	15.4	7.9	7.9	33.4	33.4	97.9	97.9	8.0	8.0	19.8	8.0	20.0	8.0	27	80	28	81	81	818363	806468	<0.2	0.6	<0.2	0.7
						3.9	0.5	162	15.4	7.9	7.9	33.4	33.4	97.9	97.9	8.0	8.0	20.0	8.0	20.0	8.0	28	80	37	82	81	818363	806468	<0.2	0.7	<0.2	0.7
					Bottom	6.8	0.4	134	15.4	7.9	7.9	33.5	33.5	98.0	98.0	8.0	8.0	24.2	8.0	24.0	8.0	37	82	35	82	81	818363	806468	<0.2	0.7	<0.2	0.7
						6.8	0.4	137	15.4	7.9	7.9	33.5	33.5	98.0	98.0	8.0	8.0	24.0	8.0	24.0	8.0	35	82	35	82	81	818363	806468	<0.2	0.7	<0.2	0.7
IM2	Cloudy	Moderate	07:31	8.8	Surface	1.0	0.4	161	15.4	7.9	7.9	33.4	33.4	97.9	97.9	8.0	8.0	13.3	8.0	19	81	20	81	82	818840	806193	<0.2	0.6	<0.2	0.6		
						1.0	0.4	166	15.4	7.9	7.9	33.4	33.4	97.9	97.9	8.0	8.0	13.4	8.0	20	80	20	81	24	81	82	818840	806193	<0.2	0.6	<0.2	0.6
					Middle	4.4	0.4	99	15.4	7.9	7.9	33.4	33.4	97.7	97.7	8.0	8.0	16.2	8.0	16.2	8.0	20	81	18	81	82	818840	806193	<0.2	0.6	<0.2	0.6
						4.4	0.4	103	15.4	7.9	7.9	33.4	33.4	97.7	97.7	8.0	8.0	16.2	8.0	16.2	8.0	18	81	34	82	81	818840	806193	<0.2	0.6	<0.2	0.6
					Bottom	7.8	0.3	57	15.4	7.9	7.9	33.5	33.5	97.4	97.4	7.9	7.9	24.0	7.9	23.9	7.9	34	82	34	83	82	818840	806193	<0.2	0.7	<0.2	0.7
						7.8	0.4	60	15.4	7.9	7.9	33.5	33.5	97.3	97.4	7.9	7.9	23.9	7.9	23.9	7.9	34	83	34	83	82	818840	806193	<0.2	0.7	<0.2	0.7
IM3	Cloudy	Moderate	07:39	9.0	Surface	1.0	0.5	157	15.4	7.9	7.9	33.4	33.4	97.8	97.8	8.0	8.0	15.5	8.0	21	80	21	81	82	819395	806000	<0.2	0.7	<0.2	0.7		
						1.0	0.5	162	15.4	7.9	7.9	33.4	33.4	97.8	97.8	8.0	8.0	15.5	8.0	22	81	21	82	25	82	81	819395	806000	<0.2	0.7	<0.2	0.7
					Middle	4.5	0.4	146	15.4	7.9	7.9	33.4	33.4	97.6	97.6	8.0	8.0	19.8	8.0	20.0	8.0	21	82	22	82	82	819395	806000	<0.2	0.7	<0.2	0.7
						4.5	0.5	157	15.4	7.9	7.9	33.4	33.4	97.5	97.5	8.0	8.0	20.0	8.0	20.0	8.0	22	82	31	83	83	819395	806000	<0.2	0.7	<0.2	0.7
					Bottom	8.0	0.5	114	15.4	7.9	7.9	33.4	33.4	97.4	97.4	8.0	8.0	26.2	8.0	26.1	8.0	31	83	33	83	83	819395	806000	<0.2	0.7	<0.2	0.9
						8.0	0.5	114	15.4	7.9	7.9	33.4	33.4	97.4	97.4	7.9	7.9	26.1	7.9	26.1	7.9	33	83	33	83	83	819395	806000	<0.2	0.9	<0.2	0.9
IM4	Cloudy	Moderate	07:48	8.3	Surface	1.0	0.5	153	15.3	7.8	7.8	33.0	33.0	98.0	98.0	8.0	8.0	6.2	8.0	10	81	11	82	83	819569	805057	<0.2	0.9	<0.2	1.0		
						1.0	0.5	156	15.3	7.8	7.8	33.0	33.0	98.0	98.0	8.0	8.0	6.3	8.0	11	82	10	83	14	83	83	819569	805057	<0.2	0.8	<0.2	0.9
					Middle	4.2	0.5	126	15.3	7.8	7.8	33.0	33.0	97.7	97.7	8.0	8.0	8.3	8.0	8.4	8.0	11	83	11	83	83	819569	805057	<0.2	0.5	<0.2	0.9
						4.2	0.5	132	15.3	7.8	7.8	33.0	33.0	97.7	97.7	8.0	8.0	8.4	8.0	8.4	8.0	11	83	22	84	84	819569	805057	<0.2	0.9	<0.2	0.5
					Bottom	7.3	0.5	169	15.3	7.9	7.9	34.2	34.2	97.5	97.5	7.9	7.9	19.1	7.9	19.2	7.9	22	84	21	84	81	819569	805057	<0.2	0.5	<0.2	0.5
						7.3	0.6	181	15.3	7.9	7.9	34.2	34.2	97.5	97.5	7.9	7.9	19.2	7.9	19.2	7.9	21	84	21	84	81	819569	805057	<0.2	0.5	<0.2	0.5
IM5	Cloudy	Moderate	07:55	7.2	Surface	1.0	0.5	153	15.3	7.9	7.9	33.2	33.2	97.8	97.8	8.0	8.0	11.2	8.0	13	80	11	81	23	81	820583	804942	<0.2	0.8	<0.2	0.9	
						1.0	0.5	157	15																							

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

Water Quality Monitoring Results on 11 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	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	06:53	7.8	Surface	1.0	0.4	161	18.2	8.0	8.0	29.4	29.4	97.3	97.3	7.7	7.7	10.4	7.7	10	7.7	77	77	81	822100	808800	<0.2	<0.2	0.9	0.9			
						1.0	0.4	175	18.2	8.0	8.0	29.4	29.4	97.3	97.3	7.7	7.7	10.4	7.7	11	7.7	77	77	81	822100	808800	<0.2	<0.2	1.0	1.0			
					Middle	3.9	0.4	177	18.2	8.0	8.0	29.7	29.8	97.6	97.6	7.7	7.7	11.1	7.7	11.1	7.7	14	82	82	82	81	822100	808800	<0.2	<0.2	0.9	0.9	
						3.9	0.4	190	18.2	8.0	8.0	29.8	29.8	97.6	97.6	7.7	7.7	11.1	7.7	11.1	7.7	14	82	82	82	81	822100	808800	<0.2	<0.2	1.0	1.0	
					Bottom	6.8	0.3	191	18.2	8.0	8.0	30.0	30.0	98.3	98.3	7.8	7.8	14.0	7.8	14.0	7.8	14	84	84	84	84	81	822100	808800	<0.2	<0.2	1.0	1.0
						6.8	0.3	209	18.2	8.0	8.0	30.0	30.0	98.3	98.3	7.8	7.8	14.0	7.8	14.0	7.8	15	84	84	84	84	81	822100	808800	<0.2	<0.2	1.0	1.0
IM10	Cloudy	Moderate	06:44	8.7	Surface	1.0	0.5	245	18.2	8.0	8.0	30.1	30.1	97.3	97.3	7.7	7.7	11.5	7.7	16	77	77	77	81	822246	809841	<0.2	<0.2	0.7	0.7			
						1.0	0.5	252	18.2	8.0	8.0	30.1	30.1	97.3	97.3	7.7	7.7	11.5	7.7	15	78	78	78	81	822246	809841	<0.2	<0.2	0.7	0.7			
					Middle	4.4	0.5	250	18.2	8.0	8.0	30.1	30.1	97.4	97.4	7.7	7.7	11.7	7.7	11.7	7.7	14	82	82	82	81	822246	809841	<0.2	<0.2	0.7	0.7	
						4.4	0.5	252	18.2	8.0	8.0	30.1	30.1	97.4	97.4	7.7	7.7	11.7	7.7	11.7	7.7	15	82	82	82	81	822246	809841	<0.2	<0.2	0.7	0.7	
					Bottom	7.7	0.4	230	18.2	8.0	8.0	30.1	30.1	98.9	98.9	7.8	7.8	12.8	7.8	12.8	7.8	15	84	84	84	84	81	822246	809841	<0.2	<0.2	0.7	0.7
						7.7	0.5	247	18.2	8.0	8.0	30.1	30.1	98.9	98.9	7.8	7.8	12.8	7.8	12.8	7.8	16	83	83	83	83	81	822246	809841	<0.2	<0.2	0.7	0.7
IM11	Cloudy	Moderate	06:35	8.3	Surface	1.0	0.4	224	18.2	8.0	8.0	30.3	30.3	97.7	97.7	7.7	7.7	10.8	7.7	11	78	78	78	81	821516	810538	<0.2	<0.2	0.8	0.8			
						1.0	0.4	228	18.2	8.0	8.0	30.3	30.3	97.7	97.7	7.7	7.7	10.8	7.7	12	78	78	78	81	821516	810538	<0.2	<0.2	0.8	0.8			
					Middle	4.2	0.4	235	18.2	8.0	8.0	30.4	30.4	98.1	98.1	7.7	7.7	11.7	7.7	11.7	7.7	13	82	82	82	81	821516	810538	<0.2	<0.2	0.6	0.6	
						4.2	0.4	241	18.2	8.0	8.0	30.4	30.4	98.1	98.1	7.7	7.7	11.7	7.7	11.7	7.7	11	82	82	82	81	821516	810538	<0.2	<0.2	0.5	0.5	
					Bottom	7.3	0.3	205	18.2	8.0	8.0	30.4	30.4	99.5	99.5	7.8	7.8	13.0	7.8	13.0	7.8	12	84	84	84	84	81	821516	810538	<0.2	<0.2	0.6	0.6
						7.3	0.3	221	18.2	8.0	8.0	30.4	30.4	99.5	99.5	7.8	7.8	13.0	7.8	13.0	7.8	13	84	84	84	84	81	821516	810538	<0.2	<0.2	0.6	0.6
IM12	Cloudy	Moderate	06:27	9.3	Surface	1.0	0.5	247	18.2	8.0	8.0	30.3	30.3	97.9	97.9	7.7	7.7	8.5	7.7	8	79	79	79	82	821167	811502	<0.2	<0.2	0.6	0.6			
						1.0	0.5	254	18.2	8.0	8.0	30.3	30.3	97.9	97.9	7.7	7.7	8.5	7.7	9	78	78	78	82	821167	811502	<0.2	<0.2	0.7	0.7			
					Middle	4.7	0.4	242	18.2	8.0	8.0	30.4	30.4	98.0	98.0	7.7	7.7	10.1	7.7	10.1	7.7	7	82	82	82	82	821167	811502	<0.2	<0.2	0.6	0.6	
						4.7	0.5	251	18.2	8.0	8.0	30.4	30.4	98.0	98.0	7.7	7.7	10.1	7.7	7	83	83	83	83	82	821167	811502	<0.2	<0.2	0.6	0.6		
					Bottom	8.3	0.4	238	18.2	8.0	8.0	30.4	30.4	98.5	98.5	7.7	7.7	10.5	7.7	10.5	7.7	9	84	84	84	84	82	821167	811502	<0.2	<0.2	0.6	0.6
						8.3	0.4	261	18.2	8.0	8.0	30.4	30.4	98.5	98.5	7.7	7.7	10.5	7.7	10.5	7.7	10	85	85	85	85	82	821167	811502	<0.2	<0.2	0.6	0.6
SR2	Cloudy	Moderate	06:03	4.9	Surface	1.0	0.3	275	18.1	8.0	8.0	30.3	30.3	96.8	96.8	7.6	7.6	11.0	7.6	12	81	81	81	83	821461	814153	<0.2	<0.2	0.6	0.6			
						1.0	0.3	276	18.1	8.0	8.0	30.3	30.3	96.8	96.8	7.6	7.6	11.0	7.6	11	80	80	80	83	821461	814153	<0.2	<0.2	0.5	0.5			
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	821461	814153	<0.2	<0.2	-	-
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	821461	814153	<0.2	<0.2	-
					Bottom	3.9	0.3	275	18.1	8.0	8.0	30.3	30.3	97.6	97.6	7.7	7.7	11.8	7.7	11.8	7.7	12	85	85	85	85	83	821461	814153	<0.2	<0.2	0.6	0.6
						3.9	0.3	300	18.1	8.0	8.0	30.3	30.3	97.6	97.6	7.7	7.7	11.8	7.7	11.8	7.7	12	84	84	84	84	83	821461	814153	<0.2	<0.2	0.7	0.7
SR3	Cloudy	Moderate	07:10	9.2	Surface	1.0	0.4	87	18.2	8.0	8.0	29.9	29.9	97.6	97.6	7.7	7.7	13.0	7.7	14	-	-	-	-	-	822162	807581	-	-	-	-		
						1.0	0.4	95	18.2	8.0	8.0	29.9	29.9	97.6	97.6	7.7	7.7	13.0	7.7	13	-	-	-	-	-	-	-	822162	807581	-	-	-	-
					Middle	4.6	0.4	96	18.2	8.0	8.0	29.9	29.9	97.5	97.5	7.7	7.7	14.5	7.7	14.5	7.7	14	-	-	-	-	-	822162	807581	-	-	-	-
						4.6	0.5	100	18.2	8.0	8.0	29.9	29.9	97.5	97.5	7.7	7.7	14.5	7.7	14.5	7.7	14	-	-	-	-	-	822162	807581	-	-	-	-
					Bottom	8.2	0.4	78	18.2	8.0	8.0	29.9	29.9	97.5	97.5	7.7	7.7	20.1	7.7	20.1	7.7	15	-	-	-	-	-	822162	807581	-	-	-	-
						8.2	0.4	85	18.2	8.0	8.0	29.9	29.9	97.5	97.5	7.7	7.7	20.1	7.7	20.1	7.7	15	-	-	-	-	-	822162	807581	-	-	-	-
SR4A	Cloudy	Moderate	06:44	9.4	Surface	1.0	0.4	106	15.4	7.9	7.9	32.4	32.4	97.7	97.7	8.0	8.0	9.0	8.0	12	-	-	-	-	-	817191	807813	-	-	-	-		
						1.0	0.4	114	15.4	7.9	7.9	32.4	32.4	97.7	97.7	8.0	8.0	9.1	8.0	13	-	-	-	-	-	-	-	817191	807813	-	-	-	-
					Middle	4.7	0.4	98	15.4	7.9	7.9	32.4	32.4	97.5	97.5	8.0	8.0	10.7	8.0	10.7	8.0	14	-	-	-	-	-	817191	807813	-	-	-	-
						4.7	0.4	99	15.4	7.9	7.9	32.4	32.4	97.5	97.5	8.0	8.0	10.7	8.0	10.7	8.0	14	-	-	-	-	-	817191	807813	-	-	-	-
					Bottom	8.4	0.4	95	15.4	7.9	7.9	32.4	32.4	97.3	97.3	8.0	8.0	10.7	8.0	10.7	8.0	15	-	-	-	-	-	817191	807813	-	-	-	-
						8.4	0.4	95	15.4	7.9	7.9	32.4	32.4	97.3	97.3	8.0	8.0	10.8	8.0	10.8	8.0	15	-	-	-	-	-	817191	807813	-	-	-	-
SR5A	Cloudy	Calm	06:25	4.4	Surface	1.0	0.1	127	15.4	7.8	7.8	31.7	31.7	95.5	95.5	7.9	7.9	7.8	7.9	11	-	-	-	-	-	816603	810678	-	-	-	-		
						1.0	0.1	127	15.4	7.8	7.8	31.7	31.7	95.6	95.6	7.9	7.9	7.8	7.9	11	-	-	-	-	-	-	816603	8106					

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	12:07	8.6	Surface	1.0	0.4	199	15.4	15.4	7.9	7.9	33.8	33.8	98.5	98.5	8.0	8.0	4.6	4.6	6	6	82	82	815610	804265	<0.2	0.8	0.7							
						1.0	0.5	211	15.4	15.4	7.9	7.9	33.8	33.8	98.5	98.5	8.0	8.0	4.6	4.6	5	5	81	81			<0.2	0.6								
					Middle	4.3	0.3	193	15.4	15.4	7.9	7.9	34.5	34.5	98.2	98.2	8.0	8.0	5.5	5.5	5	5	83	83			<0.2	0.9								
						4.3	0.4	208	15.4	15.4	7.9	7.9	34.5	34.5	98.1	98.2	8.0	8.0	5.5	5.5	5	5	83	83			<0.2	0.6								
					Bottom	7.6	0.3	208	15.3	15.3	7.9	7.9	34.7	34.7	98.1	98.1	7.9	7.9	6.6	6.6	8	8	84	84			<0.2	0.8								
						7.6	0.4	212	15.3	15.3	7.9	7.9	34.7	34.7	98.1	98.1	7.9	7.9	6.3	6.3	8	8	84	84			<0.2	0.5								
C2	Cloudy	Moderate	11:05	12.5	Surface	1.0	0.2	157	18.3	18.3	8.0	8.0	27.7	27.7	95.9	95.9	7.7	7.7	11.2	11.2	8	8	75	75	825687	806952	<0.2	2.0	1.7							
						1.0	0.3	162	18.3	18.3	8.0	8.0	27.7	27.7	95.9	95.9	7.7	7.7	11.2	11.2	7	7	76	76			<0.2	1.9								
					Middle	6.3	0.3	163	18.2	18.2	8.0	8.0	29.7	29.7	96.1	96.1	7.6	7.6	12.6	12.6	8	8	81	81			<0.2	1.8								
						6.3	0.3	178	18.2	18.2	8.0	8.0	29.7	29.7	96.1	96.1	7.6	7.6	12.6	12.6	9	9	82	82			<0.2	1.7								
					Bottom	11.5	0.2	200	18.1	18.1	8.0	8.0	30.0	30.0	96.1	96.1	7.6	7.6	13.8	13.8	10	10	83	83			<0.2	1.2								
						11.5	0.2	204	18.1	18.1	8.0	8.0	30.0	30.0	96.1	96.1	7.6	7.6	13.8	13.8	11	11	84	84			<0.2	1.3								
C3	Cloudy	Moderate	12:54	12.6	Surface	1.0	0.4	86	18.2	18.2	8.0	8.0	30.4	30.4	93.2	93.2	7.3	7.3	6.3	6.3	4	4	81	81	822109	817792	<0.2	0.8	0.7							
						1.0	0.4	91	18.2	18.2	8.0	8.0	30.4	30.4	93.2	93.2	7.3	7.3	6.4	6.4	4	4	81	81			<0.2	0.9								
					Middle	6.3	0.4	102	18.1	18.1	8.0	8.0	30.7	30.7	92.5	92.5	7.3	7.3	6.9	6.9	5	5	82	82			<0.2	0.7								
						6.3	0.4	108	18.1	18.1	8.0	8.0	30.7	30.7	92.5	92.5	7.3	7.3	6.9	6.9	7	7	83	83			<0.2	0.6								
					Bottom	11.6	0.4	120	18.1	18.1	8.0	8.0	30.8	30.8	93.6	93.6	7.4	7.4	8.3	8.3	6	6	85	85			<0.2	0.7								
						11.6	0.4	121	18.1	18.1	8.0	8.0	30.8	30.8	93.6	93.6	7.4	7.4	8.3	8.3	6	6	84	84			<0.2	0.6								
IM1	Cloudy	Moderate	11:49	7.6	Surface	1.0	0.3	162	15.4	15.4	7.9	7.9	33.5	33.5	98.1	98.1	8.0	8.0	5.4	5.4	4	4	81	81	818357	806472	<0.2	0.9	0.7							
						1.0	0.3	170	15.4	15.4	7.9	7.9	33.5	33.5	98.1	98.1	8.0	8.0	5.4	5.4	5	5	81	81			<0.2	0.8								
					Middle	3.8	0.3	156	15.4	15.4	7.9	7.9	34.1	34.1	97.9	97.9	8.0	8.0	6.1	6.1	7	7	82	82			<0.2	0.7								
						3.8	0.3	168	15.4	15.4	7.9	7.9	34.1	34.1	97.9	97.9	8.0	8.0	6.1	6.1	7	7	82	82			<0.2	0.6								
					Bottom	6.6	0.3	161	15.4	15.4	7.9	7.9	34.2	34.2	98.2	98.2	8.0	8.0	6.9	6.9	8	8	83	83			<0.2	0.7								
						6.6	0.3	167	15.4	15.4	7.9	7.9	34.2	34.2	98.2	98.2	8.0	8.0	6.9	6.9	7	7	83	83			<0.2	0.6								
IM2	Cloudy	Moderate	11:44	8.5	Surface	1.0	0.4	179	15.4	15.4	7.9	7.9	33.6	33.6	98.3	98.3	8.0	8.0	4.4	4.4	5	5	82	82	818836	806176	<0.2	0.6	0.7							
						1.0	0.4	186	15.4	15.4	7.9	7.9	33.6	33.6	98.3	98.3	8.0	8.0	4.5	4.5	5	5	82	82			<0.2	0.7								
					Middle	4.3	0.3	148	15.4	15.4	7.9	7.9	33.6	33.6	98.1	98.1	8.0	8.0	4.5	4.5	6	6	83	83			<0.2	0.6								
						4.3	0.4	151	15.4	15.4	7.9	7.9	33.6	33.6	98.1	98.1	8.0	8.0	4.5	4.5	5	5	83	83			<0.2	0.8								
					Bottom	7.5	0.3	133	15.3	15.3	7.9	7.9	34.3	34.3	98.2	98.2	8.0	8.0	6.0	6.0	8	8	84	84			<0.2	0.6								
						7.5	0.3	136	15.3	15.3	7.9	7.9	34.3	34.3	98.3	98.3	8.0	8.0	6.0	6.0	7	7	84	84			<0.2	0.6								
IM3	Cloudy	Moderate	11:37	8.8	Surface	1.0	0.4	183	15.4	15.4	7.9	7.9	33.0	33.0	98.5	98.5	8.1	8.1	4.2	4.2	5	5	80	80	819417	806010	<0.2	1.1	0.9							
						1.0	0.4	189	15.4	15.4	7.9	7.9	33.0	33.0	98.4	98.4	8.1	8.1	4.2	4.2	5	5	81	81			<0.2	1.0								
					Middle	4.4	0.4	151	15.3	15.3	7.9	7.9	33.6	33.6	98.1	98.1	8.0	8.0	5.1	5.1	4	4	82	82			<0.2	1.0								
						4.4	0.4	155	15.3	15.3	7.9	7.9	33.6	33.6	98.1	98.1	8.0	8.0	5.2	5.2	4	4	81	81			<0.2	0.8								
					Bottom	7.8	0.4	167	15.4	15.4	7.9	7.9	34.4	34.4	98.0	98.0	7.9	7.9	6.6	6.6	9	9	82	82			<0.2	0.7								
						7.8	0.4	176	15.4	15.4	7.9	7.9	34.4	34.4	98.0	98.0	8.0	8.0	6.5	6.5	9	9	82	82			<0.2	0.7								
IM4	Cloudy	Moderate	11:29	8.2	Surface	1.0	0.4	164	15.4	15.4	7.9	7.9	33.1	33.1	98.5	98.5	8.1	8.1	4.6	4.6	5	5	81	81	819578	805023	<0.2	0.9	0.9							
						1.0	0.4	176	15.4	15.4	7.9	7.9	33.1	33.1	98.5	98.5	8.1	8.1	4.7	4.7	4	4	81	81			<0.2	1.0								
					Middle	4.1	0.4	174	15.4	15.4	7.9	7.9	33.6	33.6	98.0	98.0	8.0	8.0	6.1	6.1	6	6	82	82			<0.2	1.0								
						4.1	0.4	185	15.4	15.4	7.9	7.9	33.6	33.6	98.1	98.1	8.0	8.0	6.1	6.1	5	5	82	82			<0.2	1.0								
					Bottom	7.2	0.4	180	15.4	15.4	7.9	7.9	34.7	34.7	97.9	97.9	7.9	7.9	10.6	10.6	9	9	83	83			<0.2	0.6								
						7.2	0.4	197	15.4	15.4	7.9	7.9	34.7	34.7	97.9	97.9	7.9	7.9	10.6	10.6	11	11	83	83			<0.2	0.7								
IM5	Cloudy	Moderate	11:20	7.1	Surface	1.0	0.4	194	15.4	15.4	7.9	7.9	33.5	33.5	98.1	98.2	8.0	8.0	8.0	8.0	8	8	80	80	820564	804941	<0.2	0.8	0.8							
						1.0	0.4	212	15.4	15.4	7.9	7.9	33.5	33.5	98.2	98.2	8.0	8.0	8.0	8.0	9	9	80	80			<0.2	0.9								
					Middle	3.6	0.4	203	15.4	15.4	7.9	7.9	33.5	33.5	98.0	98.0	8.0	8.0	9.1	9.1	7	7	81	81			<0.2	1.0								
						3.6	0.4	222	15.4	15.4	7.9	7.9	33.5	33.5	98.0	98.0	8.0	8.0	9.1	9.1	8	8	81	81			<0.2	0.8								
					Bottom	6.1	0.4	195	15.4	15.4	7.9	7.9	33.8	33.8	97.9	97.9	8.0	8.0	13.1	13.1	19	19	82	82			<0.2	0.7								
						6.1	0.4	211	15.4	15.4	7.9	7.9	33.8	33.8	97.9	97.9	8.0	8.0	13.0	13.0	18	18	82	82			<0.2	0.7								
IM6	Cloudy	Moderate	11:13	7.0	Surface	1.0	0.5	162	15.4	15.4	7.9	7.9	33.6	33.6	97.8	97.9	8.0	8.0	7.8	7.8	7	7	81	81	821077	805831	<0.2	0.8	0.8							
						1.0	0.6	174	15.4	15.4	7.9	7.9	33.6	33.6	97.9	97.9	8.0	8.0	7.8	7.8	9	9	81	81			<0.2	0.8								
					Middle	3.5	0.5	168	15.4	15.4	7.9	7.9	33.6	33.6	97.8	97.8	8.0	8.0	8.7	8.7	9	9	81	81			<0.2	0.8								
						3.5	0.5	173	15.4	15.4	7.9	7.9	33.6	33.6	97.8	97.8	8.0	8.0	8.7	8.7	11	11	82	82			<0.2	0.7								
					Bottom	6.0	0.5	168																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA				
IM9	Cloudy	Moderate	11:43	7.6	Surface	1.0	0.5	100	18.3	18.3	8.1	8.1	30.2	30.2	99.4	99.4	7.8	7.8	11.0	7.8	8	77	81	822105	808821	<0.2	0.6	<0.2	0.6			
						1.0	0.5	108	18.3	18.3	8.1	8.1	30.2	30.2	99.3	99.4	7.8	7.8	11.0	7.8	8	78	81	822105	808821	<0.2	0.6	<0.2	0.6			
					Middle	3.8	0.5	95	18.3	18.3	8.1	8.1	30.2	30.2	99.2	99.2	7.8	7.8	11.8	7.8	8	81	8	81	822105	808821	<0.2	0.6	<0.2	0.6		
						3.8	0.5	95	18.3	18.3	8.1	8.1	30.2	30.2	99.2	99.2	7.8	7.8	12.0	7.8	8	82	8	82	822105	808821	<0.2	0.6	<0.2	0.6		
					Bottom	6.6	0.4	103	18.3	18.3	8.1	8.1	30.2	30.2	99.4	99.4	7.8	7.8	20.3	7.8	8	83	8	83	822105	808821	<0.2	0.6	<0.2	0.6		
						6.6	0.4	111	18.3	18.3	8.1	8.1	30.2	30.2	99.4	99.4	7.8	7.8	20.6	7.8	7	84	7	84	822105	808821	<0.2	0.6	<0.2	0.6		
IM10	Cloudy	Moderate	11:53	6.7	Surface	1.0	0.5	105	18.2	18.2	8.0	8.0	29.7	29.7	97.7	97.7	7.7	7.7	9.9	7.7	5	77	81	822255	809829	<0.2	1.1	<0.2	1.2			
						1.0	0.5	114	18.2	18.2	8.0	8.0	29.7	29.7	97.7	97.7	7.7	7.7	9.9	7.7	7	77	9	77	822255	809829	<0.2	0.9	<0.2	1.2		
					Middle	3.4	0.5	106	18.2	18.2	8.0	8.0	29.8	29.8	97.7	97.7	7.7	7.7	14.1	7.7	9	82	8	82	822255	809829	<0.2	1.2	<0.2	0.9		
						3.4	0.5	108	18.2	18.2	8.0	8.0	29.8	29.8	97.7	97.7	7.7	7.7	14.1	7.7	9	82	9	82	822255	809829	<0.2	1.2	<0.2	0.9		
					Bottom	5.7	0.5	108	18.2	18.2	8.0	8.0	29.8	29.8	97.8	97.8	7.7	7.7	17.7	7.7	10	84	10	84	822255	809829	<0.2	1.0	<0.2	0.9		
						5.7	0.5	109	18.2	18.2	8.0	8.0	29.8	29.8	97.8	97.8	7.7	7.7	17.7	7.7	9	83	9	83	822255	809829	<0.2	0.8	<0.2	0.8		
IM11	Cloudy	Moderate	12:01	8.8	Surface	1.0	0.5	100	18.2	18.2	8.0	8.0	29.5	29.5	97.6	97.6	7.7	7.7	6.7	7.7	6	78	81	821484	810552	<0.2	0.9	<0.2	0.9			
						1.0	0.5	109	18.2	18.2	8.0	8.0	29.5	29.5	97.6	97.6	7.7	7.7	6.7	7.7	6	78	6	78	821484	810552	<0.2	0.9	<0.2	0.9		
					Middle	4.4	0.5	98	18.2	18.2	8.1	8.1	29.9	29.9	97.3	97.3	7.7	7.7	9.3	7.7	6	82	6	82	821484	810552	<0.2	0.8	<0.2	0.8		
						4.4	0.5	98	18.2	18.2	8.1	8.1	29.9	29.9	97.3	97.3	7.7	7.7	9.3	7.7	5	82	5	82	821484	810552	<0.2	0.8	<0.2	0.8		
					Bottom	7.8	0.4	111	18.2	18.2	8.0	8.0	30.2	30.2	97.8	97.8	7.7	7.7	10.6	7.7	8	84	8	84	821484	810552	<0.2	1.0	<0.2	1.0		
						7.8	0.4	115	18.2	18.2	8.0	8.0	30.2	30.2	97.8	97.8	7.7	7.7	10.6	7.7	7	84	7	84	821484	810552	<0.2	1.0	<0.2	1.0		
IM12	Cloudy	Moderate	12:10	9.2	Surface	1.0	0.5	98	18.2	18.2	8.0	8.0	29.6	29.6	97.2	97.2	7.7	7.7	8.1	7.7	9	78	82	821156	811532	<0.2	0.9	<0.2	1.0			
						1.0	0.5	99	18.2	18.2	8.0	8.0	29.6	29.6	97.2	97.2	7.7	7.7	8.1	7.7	7	79	7	79	821156	811532	<0.2	1.0	<0.2	1.0		
					Middle	4.6	0.5	108	18.2	18.2	8.0	8.0	29.9	29.9	97.2	97.2	7.7	7.7	8.5	7.7	8	82	8	82	821156	811532	<0.2	1.1	<0.2	1.1		
						4.6	0.5	115	18.2	18.2	8.0	8.0	29.9	29.9	97.2	97.2	7.7	7.7	8.5	7.7	8	83	8	83	821156	811532	<0.2	1.0	<0.2	1.1		
					Bottom	8.2	0.4	119	18.2	18.2	8.0	8.0	30.2	30.2	97.8	97.8	7.7	7.7	10.4	7.7	7	84	7	84	821156	811532	<0.2	0.9	<0.2	0.9		
						8.2	0.4	122	18.2	18.2	8.0	8.0	30.2	30.2	97.8	97.8	7.7	7.7	10.4	7.7	8	84	8	84	821156	811532	<0.2	0.9	<0.2	0.9		
SR2	Cloudy	Moderate	12:32	4.8	Surface	1.0	0.5	73	18.2	18.2	8.0	8.0	29.6	29.6	97.2	97.2	7.7	7.7	6.9	7.7	5	80	82	821471	814175	<0.2	1.1	<0.2	1.2			
						1.0	0.5	75	18.2	18.2	8.0	8.0	29.6	29.6	97.2	97.2	7.7	7.7	6.9	7.7	4	80	4	80	821471	814175	<0.2	1.2	<0.2	1.2		
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	821471	814175	<0.2	-	<0.2	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	82	821471	814175	<0.2	-	<0.2
					Bottom	3.8	0.4	71	18.2	18.2	8.0	8.0	30.3	30.3	98.1	98.1	7.7	7.7	6.4	7.7	5	84	5	84	821471	814175	<0.2	1.0	<0.2	1.0		
						3.8	0.4	76	18.2	18.2	8.0	8.0	30.3	30.3	98.1	98.1	7.7	7.7	6.4	7.7	6	85	6	85	821471	814175	<0.2	0.8	<0.2	1.0		
SR3	Cloudy	Moderate	11:26	9.1	Surface	1.0	0.4	152	18.3	18.3	8.0	8.0	28.5	28.5	97.1	97.1	7.7	7.7	9.7	7.7	7	-	-	822148	807551	-	-	-	-			
						1.0	0.5	164	18.3	18.3	8.0	8.0	28.5	28.5	97.1	97.1	7.7	7.7	9.7	7.7	8	-	8	-	822148	807551	-	-	-	-		
					Middle	4.6	0.4	141	18.2	18.2	8.0	8.0	29.1	29.1	97.8	97.8	7.8	7.8	11.7	7.8	8	-	8	-	-	822148	807551	-	-	-	-	
						4.6	0.4	141	18.2	18.2	8.0	8.0	29.1	29.1	97.8	97.8	7.8	7.8	11.7	7.8	8	-	8	-	-	822148	807551	-	-	-	-	
					Bottom	8.1	0.4	125	18.2	18.2	8.0	8.0	30.0	30.0	98.6	98.6	7.8	7.8	14.7	7.8	12	-	12	-	-	822148	807551	-	-	-	-	
						8.1	0.4	126	18.2	18.2	8.0	8.0	30.0	30.0	98.6	98.6	7.8	7.8	15.0	7.8	12	-	12	-	-	822148	807551	-	-	-	-	
SR4A	Cloudy	Moderate	12:29	8.4	Surface	1.0	0.4	114	15.5	15.5	7.9	7.9	34.2	34.2	97.8	97.8	7.9	7.9	7.0	7.9	12	-	-	817198	807794	-	-	-	-			
						1.0	0.4	119	15.5	15.5	7.9	7.9	34.2	34.2	97.8	97.8	7.9	7.9	7.1	7.9	12	-	-	-	817198	807794	-	-	-	-		
					Middle	4.2	0.4	112	15.5	15.5	7.9	7.9	34.2	34.2	97.8	97.8	7.9	7.9	7.8	7.9	12	-	-	-	-	817198	807794	-	-	-	-	
						4.2	0.4	120	15.5	15.5	7.9	7.9	34.2	34.2	97.8	97.8	7.9	7.9	7.8	7.9	12	-	-	-	-	817198	807794	-	-	-	-	
					Bottom	7.4	0.3	102	15.4	15.4	7.9	7.9	34.3	34.3	98.3	98.3	8.0	8.0	8.2	8.0	12	-	-	-	-	817198	807794	-	-	-	-	
						7.4	0.3	104	15.4	15.4	7.9	7.9	34.3	34.3	98.3	98.3	8.0	8.0	8.1	8.0	12	-	-	-	-	817198	807794	-	-	-	-	
SR5A	Cloudy	Calm	12:46	4.8	Surface	1.0	0.1	218	15.5	15.5	7.8	7.8	34.1	34.1	96.1	96.1	7.8	7.8	9.6	7.8	9	-	-	816585	810677	-	-	-	-			
						1.0	0.2	224	15.5	15.5	7.8	7.8	34.1	34.1	96.1	96.1	7.8	7.8	9.8	7.8	9	-	-	-	816585	810677	-	-	-	-		
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816585	810677	-	-	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816585	810677	-	-	-	-
					Bottom	3.8	0.2	220	15.5	15.5	7.8	7.8	34.1	34.1	96.3	96.3	7.8	7.8	10.5	7.8	9	-	-	-	-	816585	810677	-	-	-	-	
						3.8	0.2	237																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 March 17 during Mid-Flood Tide

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	08:54	8.9	Surface	1.0	0.6	68	15.5	15.5	7.7	7.7	33.4	33.4	94.8	94.8	7.7	7.7	17.5	19.5	13	16	81	82	815610	804263	<0.2	1.0	<0.2	1.1		
						1.0	0.7	72	15.5	15.5	7.7	7.7	33.4	33.4	94.8	94.8	7.7	7.7	17.5	19.5	14	16	81	82	815610	804263	<0.2	1.1	<0.2	1.1		
					Middle	4.5	0.7	68	15.5	15.5	7.7	7.7	33.4	33.4	94.8	94.8	7.7	7.7	18.0	19.5	11	16	82	82	815610	804263	<0.2	1.1	<0.2	1.1	<0.2	1.2
						4.5	0.7	71	15.5	15.5	7.7	7.7	33.4	33.4	94.8	94.8	7.7	7.7	18.0	19.5	12	16	82	82	815610	804263	<0.2	1.1	<0.2	1.1		
					Bottom	7.9	0.6	67	15.4	15.4	7.7	7.7	33.3	33.3	94.7	94.7	7.7	7.7	23.1	22	8	8	83	83	815610	804263	<0.2	1.2	<0.2	1.2		
						7.9	0.6	72	15.4	15.4	7.7	7.7	33.3	33.3	94.7	94.7	7.7	7.7	23.1	22	8	8	83	83	815610	804263	<0.2	1.2	<0.2	1.2		
C2	Cloudy	Rough	09:14	12.6	Surface	1.0	0.5	268	18.6	18.6	7.9	7.9	26.9	26.9	89.6	89.6	7.1	7.1	4.6	7.3	8	9	76	81	825672	806946	<0.2	2.4	<0.2	2.5		
						1.0	0.5	281	18.6	18.6	7.9	7.9	26.9	26.9	89.6	89.6	7.1	7.1	4.6	7.3	7	9	77	82	825672	806946	<0.2	2.4	<0.2	2.4		
					Middle	6.3	0.7	318	18.7	18.7	8.0	8.0	27.1	27.1	89.0	89.0	7.1	7.1	6.5	7.3	8	9	82	82	825672	806946	<0.2	2.3	<0.2	2.3	<0.2	2.3
						6.3	0.7	324	18.7	18.7	8.0	8.0	27.1	27.1	89.0	89.0	7.1	7.1	6.5	7.3	10	9	82	82	825672	806946	<0.2	2.3	<0.2	2.3		
					Bottom	11.6	0.6	279	18.7	18.7	8.0	8.0	27.9	27.9	89.6	89.6	7.1	7.1	10.7	7.3	8	9	84	84	825672	806946	<0.2	2.3	<0.2	2.3		
						11.6	0.6	282	18.7	18.7	8.0	8.0	27.9	27.9	89.6	89.6	7.1	7.1	10.7	7.3	10	9	83	83	825672	806946	<0.2	2.4	<0.2	2.4		
C3	Cloudy	Calm	07:23	11.6	Surface	1.0	0.6	264	15.7	15.7	7.8	7.8	28.3	28.3	91.4	91.4	7.6	7.6	4.1	5.1	5	6	79	81	822091	817810	<0.2	1.7	<0.2	1.8		
						1.0	0.7	281	15.7	15.7	7.8	7.8	28.3	28.3	91.4	91.4	7.6	7.6	4.1	5.1	6	6	80	81	822091	817810	<0.2	1.8	<0.2	1.8		
					Middle	5.8	0.7	262	15.7	15.7	7.8	7.8	28.4	28.4	91.4	91.4	7.6	7.6	4.9	5.1	6	6	81	81	822091	817810	<0.2	1.9	<0.2	1.9		
						5.8	0.7	276	15.7	15.7	7.8	7.8	28.4	28.4	91.4	91.4	7.6	7.6	4.9	5.1	6	6	81	81	822091	817810	<0.2	1.9	<0.2	1.9		
					Bottom	10.6	0.4	262	15.7	15.7	7.8	7.8	27.8	27.8	93.1	93.2	7.8	7.8	6.4	5.1	6	6	82	82	822091	817810	<0.2	1.6	<0.2	1.6		
						10.6	0.5	280	15.7	15.7	7.8	7.8	27.8	27.8	93.2	93.2	7.8	7.8	6.3	5.1	6	6	83	83	822091	817810	<0.2	1.6	<0.2	1.6		
IM1	Cloudy	Moderate	09:12	8.1	Surface	1.0	0.5	191	15.5	15.5	7.7	7.7	31.7	31.7	95.0	95.0	7.8	7.8	9.2	14.6	12	13	79	81	818331	806466	<0.2	1.3	<0.2	1.3		
						1.0	0.5	193	15.5	15.5	7.7	7.7	31.7	31.7	95.0	95.0	7.8	7.8	9.2	14.6	12	13	80	81	818331	806466	<0.2	1.3	<0.2	1.3		
					Middle	4.1	0.5	91	15.5	15.5	7.7	7.7	31.7	31.7	95.2	95.2	7.8	7.8	10.6	14.6	12	13	81	81	818331	806466	<0.2	1.3	<0.2	1.3		
						4.1	0.5	96	15.5	15.5	7.7	7.7	31.7	31.7	95.2	95.2	7.8	7.8	10.7	14.6	14	13	81	81	818331	806466	<0.2	1.1	<0.2	1.1		
					Bottom	7.1	0.4	91	15.5	15.5	7.7	7.7	32.1	32.1	97.0	97.0	8.0	8.0	24.1	14.6	12	13	82	82	818331	806466	<0.2	1.2	<0.2	1.2		
						7.1	0.5	93	15.5	15.5	7.7	7.7	32.1	32.1	97.0	97.0	8.0	8.0	23.8	14.6	13	13	81	81	818331	806466	<0.2	1.3	<0.2	1.3		
IM2	Cloudy	Moderate	09:21	9.1	Surface	1.0	0.6	167	15.5	15.5	7.7	7.7	32.4	32.4	95.2	95.2	7.8	7.8	10.8	18.8	12	13	80	82	818835	806184	<0.2	1.4	<0.2	1.2		
						1.0	0.6	174	15.5	15.5	7.7	7.7	32.4	32.4	95.2	95.2	7.8	7.8	10.8	18.8	12	13	81	82	818835	806184	<0.2	1.2	<0.2	1.2		
					Middle	4.6	0.5	81	15.5	15.5	7.7	7.7	32.4	32.4	95.5	95.6	7.8	7.8	18.1	18.8	12	13	81	82	818835	806184	<0.2	1.1	<0.2	1.1		
						4.6	0.6	83	15.5	15.5	7.7	7.7	32.4	32.4	95.6	95.6	7.8	7.8	18.3	18.8	12	13	81	82	818835	806184	<0.2	1.0	<0.2	1.0		
					Bottom	8.1	0.5	89	15.5	15.5	7.7	7.7	32.2	32.2	97.6	97.7	8.0	8.0	27.4	18.8	13	13	82	82	818835	806184	<0.2	1.0	<0.2	1.0		
						8.1	0.5	92	15.5	15.5	7.7	7.7	32.1	32.2	97.7	97.7	8.0	8.0	27.1	18.8	14	13	83	83	818835	806184	<0.2	0.8	<0.2	0.8		
IM3	Cloudy	Moderate	09:32	9.1	Surface	1.0	0.6	122	15.5	15.5	7.7	7.7	32.8	32.8	94.5	94.5	7.7	7.7	20.8	22.0	16	18	81	82	819422	806032	<0.2	1.1	<0.2	1.1		
						1.0	0.6	131	15.5	15.5	7.7	7.7	32.8	32.8	94.5	94.5	7.7	7.7	21.0	22.0	17	18	80	82	819422	806032	<0.2	1.1	<0.2	1.1		
					Middle	4.6	0.6	109	15.5	15.5	7.7	7.7	32.8	32.8	94.8	94.8	7.8	7.8	22.6	22.0	16	18	81	82	819422	806032	<0.2	1.1	<0.2	1.1		
						4.6	0.6	109	15.5	15.5	7.7	7.7	32.8	32.8	94.8	94.8	7.8	7.8	22.5	22.0	18	18	82	82	819422	806032	<0.2	1.0	<0.2	1.0		
					Bottom	8.1	0.6	84	15.5	15.5	7.7	7.7	32.5	32.5	97.4	97.5	8.0	8.0	22.1	22.0	20	18	82	82	819422	806032	<0.2	1.1	<0.2	1.1		
						8.1	0.6	88	15.5	15.5	7.7	7.7	32.5	32.5	97.5	97.5	8.0	8.0	22.9	22.0	22	18	83	83	819422	806032	<0.2	1.2	<0.2	1.2		
IM4	Cloudy	Moderate	09:41	8.5	Surface	1.0	0.6	123	15.4	15.4	7.7	7.7	33.0	33.0	95.2	95.2	7.8	7.8	16.3	21.2	22	25	81	83	819579	805024	<0.2	2.1	<0.2	1.9		
						1.0	0.6	124	15.4	15.4	7.7	7.7	33.0	33.0	95.2	95.2	7.8	7.8	16.3	21.2	20	25	82	83	819579	805024	<0.2	1.7	<0.2	1.7		
					Middle	4.3	0.5	106	15.4	15.4	7.7	7.7	33.0	33.0	95.7	95.7	7.8	7.8	20.2	21.2	22	25	83	25	83	83	819579	805024	<0.2	1.9	<0.2	1.9
						4.3	0.6	116	15.4	15.4	7.7	7.7	33.0	33.0	95.7	95.7	7.8	7.8	20.2	21.2	23	25	83	25	83	83	819579	805024	<0.2	1.9	<0.2	1.9
					Bottom	7.5	0.5	103	15.4	15.4	7.7	7.7	32.9	32.9	96.5	96.5	7.9	7.9	27.1	21.2	32	25	84	25	84	83	819579	805024	<0.2	1.4	<0.2	1.4
						7.5	0.6	104	15.4	15.4	7.7	7.7	32.9	32.9	96.5	96.5	7.9	7.9	27.1	21.2	32	25	83	25	83	83	819579	805024	<0.2	1.5	<0.2	1.5
IM5	Cloudy	Moderate	09:51	7.5	Surface	1.0	0.6	174	15.5	15.5	7.7	7.7	32.8	32.8	95.8	95.8	7.8	7.8	16.4	20.7	22	27	80	82	820554	804907	<0.2	1.2	<0.2	1.2		
						1.0	0.6	177	15.5	15.5	7.7	7.7	32.8	32.8	95.8	95.8	7.8	7.8	16.4	20.7	23	27	81	82	820554	804907	<0.2	1.3	<0.2	1.3		
					Middle	3.8	0.6	107	15.5	15.5	7.7	7.7	32.8	32.8	96.5	96.5	7.9	7.9	20.8	20.7	24	27	82	27								

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
IM9	Cloudy	Rough	08:43	7.9	Surface	1.0	0.8	205	18.6	18.6	8.0	8.0	28.4	28.4	92.3	92.3	7.3	7.3	12.0	7.3	16	78	81	822099	808800	<0.2	<0.2	1.6	1.6					
						1.0	0.9	221	18.6	18.6	8.0	8.0	28.4	28.4	92.3	92.3	7.3	7.3	12.0	7.3	16	77	77	78	81	822099	808800	<0.2	<0.2	1.7	1.7			
						4.0	0.8	218	18.6	18.6	8.0	8.0	28.4	28.4	92.4	92.4	7.3	7.3	12.4	7.3	17	83	83	83	81	822099	808800	<0.2	<0.2	1.7	1.7			
						4.0	0.9	228	18.6	18.6	8.0	8.0	28.4	28.4	92.4	92.4	7.3	7.3	12.4	7.3	17	82	82	82	81	822099	808800	<0.2	<0.2	1.7	1.7			
						6.9	0.7	213	18.6	18.6	8.0	8.0	28.4	28.4	93.5	93.5	7.4	7.4	13.6	7.4	17	84	84	84	81	822099	808800	<0.2	<0.2	1.5	1.5			
						6.9	0.8	232	18.6	18.6	8.0	8.0	28.4	28.4	93.5	93.5	7.4	7.4	13.6	7.4	16	83	83	83	81	822099	808800	<0.2	<0.2	1.6	1.6			
IM10	Cloudy	Rough	08:34	8.8	Surface	1.0	1.0	249	18.6	18.6	8.0	8.0	29.0	29.0	92.4	92.4	7.3	7.3	13.7	7.3	16	77	81	82249	809818	<0.2	<0.2	1.5	1.5					
						1.0	1.1	250	18.6	18.6	8.0	8.0	29.0	29.0	92.4	92.4	7.3	7.3	13.7	7.3	17	78	78	78	81	82249	809818	<0.2	<0.2	1.5	1.5			
						4.4	0.8	260	18.6	18.6	8.0	8.0	29.0	29.0	92.4	92.4	7.3	7.3	15.5	7.3	18	82	82	82	81	82249	809818	<0.2	<0.2	1.5	1.5			
						4.4	0.9	266	18.6	18.6	8.0	8.0	29.0	29.0	92.4	92.4	7.3	7.3	15.6	7.3	19	81	81	81	81	82249	809818	<0.2	<0.2	1.5	1.5			
						7.8	0.7	237	18.6	18.6	8.0	8.0	29.1	29.1	93.3	93.3	7.3	7.3	23.2	7.3	19	84	84	84	81	82249	809818	<0.2	<0.2	1.5	1.5			
						7.8	0.8	257	18.6	18.6	8.0	8.0	29.1	29.1	93.3	93.3	7.3	7.3	23.2	7.3	19	84	84	84	81	82249	809818	<0.2	<0.2	1.6	1.6			
IM11	Cloudy	Rough	08:26	8.5	Surface	1.0	0.4	270	18.6	18.6	8.0	8.0	29.3	29.3	91.4	91.4	7.2	7.2	21.2	7.2	22	77	82	821518	810550	<0.2	<0.2	1.5	1.5					
						1.0	0.5	270	18.6	18.6	8.0	8.0	29.3	29.3	91.4	91.4	7.2	7.2	21.2	7.2	21	78	78	78	82	821518	810550	<0.2	<0.2	1.4	1.4			
						4.3	0.4	272	18.6	18.6	8.0	8.0	29.3	29.3	91.2	91.2	7.2	7.2	23.2	7.2	26	83	83	83	82	821518	810550	<0.2	<0.2	1.5	1.5			
						4.3	0.4	279	18.6	18.6	8.0	8.0	29.3	29.3	91.2	91.2	7.2	7.2	23.2	7.2	28	82	82	82	82	821518	810550	<0.2	<0.2	1.6	1.6			
						7.5	0.4	271	18.6	18.6	8.0	8.0	29.3	29.3	91.4	91.4	7.2	7.2	23.0	7.2	28	85	85	85	82	821518	810550	<0.2	<0.2	1.5	1.5			
						7.5	0.4	283	18.6	18.6	8.0	8.0	29.3	29.3	91.4	91.4	7.2	7.2	23.0	7.2	27	84	84	84	82	821518	810550	<0.2	<0.2	1.5	1.5			
IM12	Cloudy	Rough	08:19	9.4	Surface	1.0	0.6	262	18.6	18.6	8.0	8.0	29.2	29.2	91.7	91.7	7.2	7.2	16.2	7.2	20	80	82	821174	811530	<0.2	<0.2	1.5	1.5					
						1.0	0.7	270	18.6	18.6	8.0	8.0	29.2	29.2	91.7	91.7	7.2	7.2	16.2	7.2	19	80	80	80	82	821174	811530	<0.2	<0.2	1.4	1.4			
						4.7	0.6	270	18.6	18.6	8.0	8.0	29.2	29.2	91.6	91.6	7.2	7.2	19.2	7.2	20	82	82	82	82	821174	811530	<0.2	<0.2	1.4	1.4			
						4.7	0.6	292	18.6	18.6	8.0	8.0	29.2	29.2	91.6	91.6	7.2	7.2	19.2	7.2	19	82	82	82	82	821174	811530	<0.2	<0.2	1.4	1.4			
						8.4	0.5	273	18.6	18.6	8.0	8.0	29.3	29.3	91.8	91.8	7.2	7.2	19.5	7.2	21	84	84	84	82	821174	811530	<0.2	<0.2	1.6	1.6			
						8.4	0.5	275	18.6	18.6	8.0	8.0	29.3	29.3	91.8	91.8	7.2	7.2	19.5	7.2	23	84	84	84	82	821174	811530	<0.2	<0.2	1.5	1.5			
SR2	Cloudy	Rough	07:57	4.2	Surface	1.0	0.7	293	18.6	18.6	8.0	8.0	29.3	29.3	91.3	91.3	7.2	7.2	14.7	7.2	14	81	83	821468	814182	<0.2	<0.2	1.7	1.7					
						1.0	0.7	314	18.6	18.6	8.0	8.0	29.3	29.3	91.4	91.4	7.2	7.2	14.6	7.2	14	80	80	80	83	821468	814182	<0.2	<0.2	1.7	1.7			
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	83	821468	814182	<0.2	<0.2	1.6	1.6	
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15	83	821468	814182	<0.2	<0.2	1.6	1.6
						3.2	0.6	293	18.6	18.6	8.0	8.0	29.3	29.3	91.2	91.2	7.2	7.2	13.0	7.2	17	85	85	85	15	83	821468	814182	<0.2	<0.2	1.5	1.5		
						3.2	0.6	322	18.6	18.6	8.0	8.0	29.3	29.3	91.2	91.2	7.2	7.2	13.0	7.2	16	84	84	84	15	83	821468	814182	<0.2	<0.2	1.5	1.5		
SR3	Cloudy	Rough	08:56	9.4	Surface	1.0	0.6	231	18.6	18.6	8.0	8.0	28.2	28.2	92.4	92.4	7.3	7.3	8.3	7.3	11	-	-	822156	807564	-	-	-	-					
						1.0	0.6	237	18.6	18.6	8.0	8.0	28.2	28.2	92.4	92.4	7.3	7.3	8.3	7.3	11	-	-	-	-	822156	807564	-	-	-	-			
						4.7	0.5	220	18.6	18.6	8.0	8.0	28.2	28.2	92.6	92.6	7.3	7.3	9.1	7.3	11	-	-	-	-	822156	807564	-	-	-	-			
						4.7	0.5	227	18.6	18.6	8.0	8.0	28.2	28.2	92.6	92.6	7.3	7.3	9.1	7.3	9	-	-	-	-	-	822156	807564	-	-	-	-		
						8.4	0.5	172	18.5	18.5	8.0	8.0	28.6	28.6	92.9	92.9	7.3	7.3	10.9	7.3	11	-	-	-	-	-	822156	807564	-	-	-	-		
						8.4	0.6	177	18.5	18.5	8.0	8.0	28.6	28.6	92.9	92.9	7.3	7.3	10.9	7.3	10	-	-	-	-	-	822156	807564	-	-	-	-		
SR4A	Cloudy	Moderate	08:29	9.2	Surface	1.0	0.3	169	15.8	15.8	7.7	7.7	31.1	31.1	93.2	93.2	7.6	7.6	15.9	7.6	14	-	-	817186	807826	-	-	-	-					
						1.0	0.3	170	15.8	15.8	7.7	7.7	31.1	31.1	93.2	93.2	7.6	7.6	15.9	7.6	15	-	-	-	-	817186	807826	-	-	-	-			
						4.6	0.2	156	15.8	15.8	7.7	7.7	31.1	31.1	93.5	93.5	7.7	7.7	16.9	7.7	18	-	-	-	-	817186	807826	-	-	-	-			
						4.6	0.3	157	15.8	15.8	7.7	7.7	31.1	31.1	93.5	93.5	7.7	7.7	16.9	7.7	16	-	-	-	-	817186	807826	-	-	-	-			
						8.2	0.2	157	15.8	15.8	7.7	7.7	30.9	30.9	94.6	94.6	7.8	7.8	17.6	7.8	17	-	-	-	-	817186	807826	-	-	-	-			
						8.2	0.3	159	15.8	15.8	7.7	7.7	30.9	30.9	94.7	94.7	7.8	7.8	17.5	7.8	18	-	-	-	-	817186	807826	-	-	-	-			
SR5A	Cloudy	Calm	08:10	5.5	Surface	1.0	0.3	235	15.9	15.9	7.7	7.7	30.6	30.6	95.3	95.3	7.8	7.8	13.1	7.8	14	-	-	816585	810680	-	-	-	-					
						1.0	0.4	237	15.9	15.9	7.7	7.7	30.6	30.6	95.3	95.3	7.8	7.8	13.2	7.8	15	-	-	-	-	816585	810680	-	-	-	-			
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	816585	810680	-	-	-	-		
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	816585	810680	-	-	-	-		
						4.5	0.3	236	15.9	15.9	7.7																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
					Value	Average			Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	14:15	8.6	Surface	1.0	0.4	210	15.5	15.5	7.8	7.8	34.3	34.3	97.5	97.5	7.9	7.9	4.9	5.3	7	9	81	83	815612	804263	<0.2	0.4	<0.2	0.5		
						1.0	0.4		225		15.5	7.8	7.8	34.3	34.3	97.5	97.5		7.9		5.0		8				82	<0.2		0.5		
					Middle	4.3	0.3	192	15.5	15.5	7.8	7.8	34.3	34.3	97.8	97.8	7.9	7.9	5.0	5.3	8	9	83	83			<0.2	0.5		<0.2	0.5	
						4.3	0.4		192	15.5	7.8	7.8	34.3	34.3	97.8	97.8	7.9		5.0		10		83				<0.2	0.5				
					Bottom	7.6	0.3	202	15.5	15.5	7.8	7.8	34.1	34.1	99.3	99.4	8.1	8.1	5.9	6.0	9	10	84	84			<0.2	0.5			<0.2	0.5
						7.6	0.4		202	15.5	7.8	7.8	34.1	34.1	99.5	99.4	8.1		5.8		11		84				<0.2	0.5				
C2	Cloudy	Rough	13:01	12.6	Surface	1.0	0.4	112	18.7	18.7	8.0	8.0	27.1	27.1	89.3	89.3	7.1	7.0	8.4	15.7	11	11	75	80	825682	806948	<0.2	1.9	<0.2			1.8
						1.0	0.4		115		18.7	8.0	8.0	27.1	27.1	89.3	89.3		7.1		8.4		9				76	<0.2				1.9
					Middle	6.3	0.3	99	18.6	18.6	8.0	8.0	28.6	28.6	87.4	87.4	6.9	6.9	13.1	12	83	82	<0.2	1.8			<0.2	1.8				
						6.3	0.3		105	18.6	8.0	8.0	28.6	28.6	87.4	87.4	6.9		13.1		12		82	<0.2				1.8				
					Bottom	11.6	0.3	199	18.6	18.6	8.0	8.0	29.5	29.5	76.9	76.9	6.0	6.0	25.7	12	83	83	<0.2	1.8				<0.2		1.8		
						11.6	0.3		203	18.6	8.0	8.0	29.5	29.5	76.9	76.9	6.0		25.7		12		83	<0.2						1.8		
C3	Cloudy	Mderate	14:42	12.2	Surface	1.0	0.5	83	18.6	18.6	8.0	8.0	29.8	29.8	90.8	90.8	7.1	7.1	3.7	4.6	8	10	80	83	822105	817822			<0.2	1.0	<0.2	1.2
						1.0	0.5		86		18.6	8.0	8.0	29.8	29.8	90.8	90.8		7.1		3.7		8						80	<0.2		1.2
					Middle	6.1	0.4	74	18.5	18.5	8.0	8.0	30.5	30.5	89.0	89.0	7.0	7.0	4.6	10	83	83	<0.2	1.1			<0.2		1.1			
						6.1	0.4		80	18.5	8.0	8.0	30.5	30.5	89.0	89.0	7.0		4.6		11		83	<0.2					1.1			
					Bottom	11.2	0.2	100	18.4	18.4	8.0	8.0	30.8	30.8	89.2	89.2	7.0	7.0	5.4	12	85	85	<0.2	1.0				<0.2	1.0			
						11.2	0.2		109	18.4	8.0	8.0	30.8	30.8	89.2	89.2	7.0		5.4		12		85	<0.2					1.0			
IM1	Cloudy	Moderate	13:56	8.3	Surface	1.0	0.3	210	15.5	15.5	7.8	7.8	33.3	33.3	96.1	96.2	7.8	7.8	8.9	9.1	12	13	80	81	818337	806444			<0.2	0.8	<0.2	0.8
						1.0	0.3		222		15.5	7.8	7.8	33.3	33.3	96.2	96.2		7.8		8.9		13						80	<0.2		0.8
					Middle	4.2	0.3	155	15.5	15.5	7.8	7.8	33.4	33.4	96.5	96.5	7.8	7.8	9.0	13	81	81	<0.2	0.8			<0.2		0.8			
						4.2	0.3		156	15.5	7.8	7.8	33.4	33.4	96.5	96.5	7.8		9.0		15		82	<0.2					0.8			
					Bottom	7.3	0.3	145	15.4	15.4	7.8	7.8	34.1	34.1	97.6	97.7	7.9	7.9	9.5	13	82	83	<0.2	1.0				<0.2	1.0			
						7.3	0.3		153	15.4	7.8	7.8	34.1	34.1	97.7	97.7	7.9		9.5		13		83	<0.2					0.9			
IM2	Cloudy	Moderate	13:50	8.8	Surface	1.0	0.3	234	15.5	15.5	7.8	7.8	33.3	33.3	96.2	96.2	7.8	7.9	8.9	9.1	12	13	80	81	818848	806206			<0.2	0.8	<0.2	0.8
						1.0	0.3		252		15.5	7.8	7.8	33.3	33.3	96.2	96.2		7.8		8.9		13						80	<0.2		0.9
					Middle	4.4	0.3	194	15.5	15.5	7.8	7.8	33.3	33.3	96.9	96.9	7.9	7.9	9.1	13	81	81	<0.2	0.8			<0.2		0.7			
						4.4	0.3		208	15.5	7.8	7.8	33.3	33.3	96.9	96.9	7.9		9.1		13		81	<0.2					0.8			
					Bottom	7.8	0.3	124	15.5	15.5	7.8	7.8	33.8	33.8	97.6	97.6	7.9	7.9	9.3	15	82	82	<0.2	0.8				<0.2	0.7			
						7.8	0.3		124	15.5	7.8	7.8	33.8	33.8	97.6	97.6	7.9		9.2		15		82	<0.2					0.7			
IM3	Cloudy	Moderate	13:41	8.8	Surface	1.0	0.4	227	15.5	15.5	7.8	7.8	33.2	33.2	96.6	96.6	7.9	7.9	8.8	9.1	13	14	80	81	819423	806021			<0.2	0.7	<0.2	0.6
						1.0	0.4		235		15.5	7.8	7.8	33.2	33.2	96.6	96.6		7.9		8.8		14						80	<0.2		0.6
					Middle	4.4	0.3	174	15.5	15.5	7.8	7.8	33.3	33.3	97.4	97.4	7.9	7.9	9.2	12	81	81	<0.2	0.8			<0.2		0.7			
						4.4	0.3		185	15.5	7.8	7.8	33.3	33.3	97.4	97.4	7.9		9.2		12		81	<0.2					0.6			
					Bottom	7.8	0.4	141	15.5	15.5	7.8	7.8	33.3	33.3	98.8	98.9	8.0	8.1	9.5	16	82	82	<0.2	0.7				<0.2	0.7			
						7.8	0.4		151	15.5	7.8	7.8	33.3	33.3	98.9	98.9	8.1		9.3		16		82	<0.2					0.6			
IM4	Cloudy	Moderate	13:31	8.5	Surface	1.0	0.3	162	15.4	15.4	7.8	7.8	33.8	33.8	96.4	96.4	7.8	7.9	16.3	15.9	20	21	81	82	819551	805054			<0.2	0.5	<0.2	0.6
						1.0	0.3		162		15.4	7.8	7.8	33.8	33.8	96.4	96.4		7.8		16.4		19						81	<0.2		0.6
					Middle	4.3	0.2	162	15.4	15.4	7.8	7.8	33.7	33.7	97.0	97.0	7.9	7.9	15.5	21	82	82	<0.2	0.6			<0.2		0.6			
						4.3	0.3		171	15.4	7.8	7.8	33.7	33.7	97.0	97.0	7.9		15.5		22		82	<0.2					0.6			
					Bottom	7.5	0.3	152	15.4	15.4	7.8	7.8	33.6	33.6	98.3	98.3	8.0	8.0	15.8	21	83	83	<0.2	0.6				<0.2	0.6			
						7.5	0.3		164	15.4	7.8	7.8	33.6	33.6	98.3	98.3	8.0		15.8		23		83	<0.2					0.6			
IM5	Cloudy	Moderate	13:23	7.4	Surface	1.0	0.3	194	15.4	15.4	7.9	7.9	33.4	33.4	96.4	96.4	7.9	7.9	17.1	17.2	23	26	80	81	820576	804914			<0.2	0.7	<0.2	0.6
						1.0	0.3		203		15.4	7.9	7.9	33.4	33.4	96.4	96.4		7.9		17.1		23						81	<0.2		0.6
					Middle	3.7	0.3	163	15.4	15.4	7.8	7.8	33.4	33.4	96.8	96.8	7.9	7.9	17.3	26	81	82	<0.2	0.6			<0.2		0.6			
						3.7	0.4		164	15.4	7.8	7.8	33.4	33.4	96.8	96.8	7.9		17.3		27		82	<0.2					0.6			
					Bottom	6.4	0.3	138	15.4	15.4	7.8	7.8	33.3	33.3	97.6	97.6	8.0	8.0	17.0	28	82	82	<0.2	0.7				<0.2	0.7			
						6.4	0.3		141	15.4	7.8	7.8	33.3	33.3	97.6	97.6	8.0		17.1		26		82	<0.2					0.6			
IM6	Cloudy	Moderate	13:09	7.3	Surface	1.0	0.3	85	15.5	15.5	7.8	7.8	33.2	33.2	96.4	96.4	7.9	7.9	19.4	20.7	24	24	82	83	821076	805846			<0.2	0.7	<0.2	0.7
						1.0	0.3		93		15.5	7.8	7.8	33.2	33.2	96.4	96.4		7.9		19.4		24						82	<0.2		0.7
					Middle	3.7	0.4	72	15.5	15.5	7.8	7.8	33.2	33.2	97.2	97.2	7.9	7.9	19.8	25	83	84	<0.2	0.7			<0.2		0.7			
						3.7	0.4		76	15.5	7.8	7.8	33.2	33.2	97.2	97.2	7.9		19.7		25		84	<0.2					0.7			
					Bottom	6.3	0.4	73	15.5	15.5	7.8	7.8	32.9	32.9	99.2	99.3	8.1	8.1	22.9	25	84	85	<0.2	0.6				<0.2	0.6			
						6.3	0.4		76	15.5	7.8	7.8	32.9	32.9	99.3	99.3	8.1		22.7		25		85	<0.2					0.6			
IM7	Cloudy	Moderate	12:56	7.4	Surface																											

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

Water Quality Monitoring Results on **15 March 17** during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
IM9	Cloudy	Rough	13:37	7.9	Surface	1.0	0.5	99	18.6	18.6	8.1	8.1	29.4	29.4	94.6	94.6	7.4	7.4	9.4	7.4	12	12	77	81	822104	808814	<0.2	<0.2	1.2	1.2			
						1.0	0.5	99	18.6	18.6	8.1	8.1	29.4	29.4	94.6	94.6	7.4	7.4	9.4	7.4	11	11	77	77	77	77	<0.2	<0.2	1.4	1.4			
					Middle	4.0	0.5	120	18.5	18.5	8.1	8.1	29.7	29.7	94.4	94.4	7.4	7.4	12.3	12.3	13	13	82	82	82	81	822104	808814	<0.2	<0.2	1.2	1.2	
						4.0	0.5	128	18.5	18.5	8.1	8.1	29.7	29.7	94.4	94.4	7.4	7.4	12.3	12.3	12	12	82	82	82	81	822104	808814	<0.2	<0.2	1.3	1.3	
					Bottom	6.9	0.4	97	18.4	18.4	8.1	8.1	30.2	30.2	94.5	94.5	7.4	7.4	25.3	25.3	12	12	84	84	84	81	822104	808814	<0.2	<0.2	1.4	1.4	
						6.9	0.4	103	18.4	18.4	8.1	8.1	30.2	30.2	94.5	94.5	7.4	7.4	25.3	25.3	13	13	84	84	84	81	822104	808814	<0.2	<0.2	1.3	1.3	
IM10	Cloudy	Rough	13:46	8.0	Surface	1.0	0.5	96	18.6	18.6	8.0	8.0	29.0	29.0	93.5	93.6	7.4	7.4	9.9	9.9	12	12	77	81	822224	809824	<0.2	<0.2	1.4	1.4			
						1.0	0.5	105	18.6	18.6	8.0	8.0	29.0	29.0	93.6	93.6	7.4	7.4	10.1	10.1	12	12	78	78	78	81	822224	809824	<0.2	<0.2	1.2	1.2	
					Middle	4.0	0.5	122	18.6	18.6	8.0	8.0	29.1	29.1	93.2	93.2	7.3	7.3	15.2	15.2	13	13	82	82	82	81	822224	809824	<0.2	<0.2	1.4	1.4	
						4.0	0.5	131	18.6	18.6	8.0	8.0	29.1	29.1	93.2	93.2	7.3	7.3	15.2	15.2	14	14	82	82	82	81	822224	809824	<0.2	<0.2	1.1	1.1	
					Bottom	7.0	0.5	85	18.5	18.5	8.0	8.0	29.3	29.3	93.1	93.1	7.3	7.3	17.5	17.5	14	14	84	84	84	81	822224	809824	<0.2	<0.2	1.4	1.4	
						7.0	0.5	91	18.5	18.5	8.0	8.0	29.3	29.3	93.1	93.1	7.3	7.3	17.5	17.5	12	12	84	84	84	81	822224	809824	<0.2	<0.2	1.5	1.5	
IM11	Cloudy	Rough	13:53	8.6	Surface	1.0	0.6	100	18.7	18.7	8.0	8.0	29.0	29.0	93.8	93.8	7.4	7.4	7.0	7.0	12	12	78	81	821488	810562	<0.2	<0.2	1.4	1.4			
						1.0	0.6	101	18.7	18.7	8.0	8.0	29.0	29.0	93.8	93.8	7.4	7.4	7.0	7.0	11	11	78	78	78	81	821488	810562	<0.2	<0.2	1.4	1.4	
					Middle	4.3	0.6	136	18.7	18.7	8.0	8.0	29.1	29.1	93.2	93.2	7.3	7.3	9.4	9.4	12	12	82	82	82	81	821488	810562	<0.2	<0.2	1.4	1.4	
						4.3	0.6	140	18.7	18.7	8.0	8.0	29.1	29.1	93.2	93.2	7.3	7.3	9.4	9.4	12	12	82	82	82	81	821488	810562	<0.2	<0.2	1.4	1.4	
					Bottom	7.6	0.4	89	18.6	18.6	8.0	8.0	29.2	29.2	93.9	93.9	7.4	7.4	9.6	9.6	11	11	84	84	84	81	821488	810562	<0.2	<0.2	1.3	1.3	
						7.6	0.4	94	18.6	18.6	8.0	8.0	29.2	29.2	93.9	93.9	7.4	7.4	9.6	9.6	12	12	84	84	84	81	821488	810562	<0.2	<0.2	1.3	1.3	
IM12	Cloudy	Rough	14:00	9.0	Surface	1.0	0.6	101	18.7	18.7	8.0	8.0	29.0	29.0	93.6	93.6	7.3	7.3	7.5	7.5	11	11	78	83	821171	811518	<0.2	<0.2	1.3	1.3			
						1.0	0.6	103	18.7	18.7	8.0	8.0	29.0	29.0	93.6	93.6	7.3	7.3	7.5	7.5	12	12	78	78	78	83	821171	811518	<0.2	<0.2	1.4	1.4	
					Middle	4.5	0.6	127	18.7	18.7	8.0	8.0	29.1	29.1	93.3	93.3	7.3	7.3	7.7	7.7	10	10	82	82	82	83	821171	811518	<0.2	<0.2	1.4	1.4	
						4.5	0.6	138	18.7	18.7	8.0	8.0	29.1	29.1	93.3	93.3	7.3	7.3	7.7	7.7	12	12	82	82	82	83	821171	811518	<0.2	<0.2	1.3	1.3	
					Bottom	8.0	0.4	100	18.6	18.6	8.0	8.0	29.4	29.4	93.5	93.5	7.3	7.3	8.4	8.4	13	13	84	84	84	83	821171	811518	<0.2	<0.2	1.4	1.4	
						8.0	0.4	103	18.6	18.6	8.0	8.0	29.4	29.4	93.5	93.5	7.3	7.3	8.4	8.4	14	14	94	94	94	83	821171	811518	<0.2	<0.2	1.5	1.5	
SR2	Cloudy	Mderate	14:21	4.6	Surface	1.0	0.5	87	18.7	18.7	8.0	8.0	29.3	29.3	92.7	92.7	7.3	7.3	7.3	7.3	12	12	79	82	821477	814162	<0.2	<0.2	1.4	1.4			
						1.0	0.5	91	18.7	18.7	8.0	8.0	29.3	29.3	92.7	92.7	7.3	7.3	7.3	7.3	14	14	79	79	79	82	821477	814162	<0.2	<0.2	1.2	1.2	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	821477	814162	<0.2	<0.2	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	821477	814162	<0.2	<0.2	-
					Bottom	3.6	0.4	87	18.5	18.5	8.0	8.0	30.1	30.1	93.5	93.5	7.3	7.3	9.4	9.4	13	13	84	84	84	-	821477	814162	<0.2	<0.2	1.3	1.3	
						3.6	0.4	88	18.5	18.5	8.0	8.0	30.1	30.1	93.5	93.5	7.3	7.3	9.4	9.4	12	12	84	84	84	-	821477	814162	<0.2	<0.2	1.3	1.3	
SR3	Cloudy	Rough	13:22	9.2	Surface	1.0	0.5	135	18.5	18.5	8.1	8.1	30.0	30.0	95.2	95.2	7.5	7.5	10.3	10.3	10	10	-	-	822143	807563	-	-	-	-			
						1.0	0.5	140	18.5	18.5	8.1	8.1	30.0	30.0	95.2	95.2	7.5	7.5	10.3	10.3	11	11	-	-	-	-	822143	807563	-	-	-	-	
					Middle	4.6	0.5	95	18.5	18.5	8.1	8.1	30.0	30.0	95.1	95.1	7.5	7.5	12.6	12.6	12	12	-	-	-	-	822143	807563	-	-	-	-	
						4.6	0.5	96	18.5	18.5	8.1	8.1	30.0	30.0	95.1	95.1	7.5	7.5	12.6	12.6	12	12	-	-	-	-	822143	807563	-	-	-	-	
					Bottom	8.2	0.3	86	18.4	18.4	8.1	8.1	30.6	30.6	95.2	95.2	7.4	7.4	21.5	21.5	13	13	-	-	-	-	822143	807563	-	-	-	-	
						8.2	0.3	93	18.4	18.4	8.1	8.1	30.6	30.6	95.2	95.2	7.4	7.4	21.5	21.5	15	15	-	-	-	-	822143	807563	-	-	-	-	
SR4A	Cloudy	Moderate	14:39	9.5	Surface	1.0	0.3	111	15.6	15.6	7.8	7.8	33.5	33.5	96.1	96.2	7.8	7.8	12.7	12.7	19	19	-	-	817190	807803	-	-	-	-			
						1.0	0.3	111	15.6	15.6	7.8	7.8	33.5	33.5	96.2	96.2	7.8	7.8	12.7	12.7	19	19	-	-	-	-	817190	807803	-	-	-	-	
					Middle	4.8	0.3	104	15.5	15.5	7.8	7.8	33.7	33.7	96.5	96.5	7.8	7.8	12.3	12.3	20	20	-	-	-	-	817190	807803	-	-	-	-	
						4.8	0.3	111	15.5	15.5	7.8	7.8	33.7	33.7	96.5	96.5	7.8	7.8	12.4	12.4	21	21	-	-	-	-	817190	807803	-	-	-	-	
					Bottom	8.5	0.3	102	15.5	15.5	7.8	7.8	33.8	33.8	97.6	97.7	7.9	7.9	13.4	13.4	22	22	-	-	-	-	817190	807803	-	-	-	-	
						8.5	0.4	105	15.5	15.5	7.8	7.8	33.8	33.8	97.7	97.9	7.9	7.9	13.3	13.3	22	22	-	-	-	-	817190	807803	-	-	-	-	
SR5A	Cloudy	Calm	14:57	3.6	Surface	1.0	0.2	168	16.0	16.0	7.7	7.7	32.0	32.0	98.1	98.2	8.0	8.0	7.7	7.7	14	14	-	-	816609	810678	-	-	-	-			
						1.0	0.2	180	16.0	16.0	7.7	7.7	32.0	32.0	98.2	98.2	8.0	8.0	7.6	7.6	12	12	-	-	-	-	816609	810678	-	-	-	-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816609	810678	-	-	-	

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

Water Quality Monitoring

Water Quality Monitoring Results on **17 March 17** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	09:42	9.0	Surface	1.0	0.7	48	15.4	15.4	7.8	7.8	32.8	32.8	95.6	95.6	7.8	7.8	7.6	7.8	9	80	81	81	815616	804244	<0.2	0.8	<0.2	0.9
						1.0	0.7	48	15.4	15.4	7.8	7.8	32.8	32.8	95.6	95.6	7.8	7.8	7.7	7.8	7	80	81	81			<0.2	0.9	<0.2	0.9
						4.5	0.7	42	15.4	15.4	7.8	7.8	33.0	33.0	95.7	95.7	7.8	7.8	11	81	81	81			<0.2	0.6	<0.2	0.6		
					Middle	4.5	0.7	44	15.4	15.4	7.8	7.8	33.0	33.0	95.6	95.7	7.8	7.8	12.0	12.8	11	81	81	81			<0.2	0.6	<0.2	0.6
						8.0	0.6	45	15.3	15.3	7.8	7.8	33.9	33.9	95.7	95.7	7.8	7.8	18.8	18.8	26	82	82	82			<0.2	0.6	<0.2	0.6
						8.0	0.7	48	15.3	15.3	7.8	7.8	33.9	33.9	95.7	95.7	7.8	7.8	18.8	18.8	26	82	82	82			<0.2	0.5	<0.2	0.5
C2	Cloudy	Moderate	10:08	12.8	Surface	1.0	0.7	302	18.9	18.9	7.8	7.8	25.8	25.8	92.0	92.0	7.3	7.3	6.4	7.3	6	75	81	81	825697	806926	<0.2	2.0	<0.2	1.9
						1.0	0.7	311	18.9	18.9	7.8	7.8	25.8	25.8	92.0	92.0	7.3	7.3	6.5	7.3	7	75	81	81			<0.2	2.0	<0.2	1.9
						6.4	0.6	197	18.7	18.7	7.9	7.9	27.5	27.5	90.8	90.9	7.2	7.2	14.7	12.4	6	80	84	84			<0.2	2.3	<0.2	2.3
					Middle	6.4	0.7	211	18.7	18.7	7.9	7.9	27.5	27.5	90.9	90.9	7.2	7.2	14.7	12.4	7	84	84	84			<0.2	2.2	<0.2	2.2
						11.8	0.7	73	18.7	18.7	7.9	7.9	27.6	27.6	90.9	90.9	7.2	7.2	15.9	15.9	16	85	85	85			<0.2	2.4	<0.2	2.4
						11.8	0.7	78	18.7	18.7	7.9	7.9	27.6	27.6	90.9	90.9	7.2	7.2	16.3	15	15	85	85	85			<0.2	2.1	<0.2	2.1
C3	Cloudy	Moderate	08:14	12.1	Surface	1.0	0.5	260	15.5	15.5	7.7	7.7	30.4	30.4	92.2	92.2	7.7	7.7	4.9	7.7	9	80	82	82	822099	817808	<0.2	1.3	<0.2	1.3
						1.0	0.5	275	15.5	15.5	7.7	7.7	30.4	30.4	92.2	92.2	7.7	7.7	5.0	7.7	8	80	82	82			<0.2	1.3	<0.2	1.3
						6.1	0.6	263	15.4	15.4	7.7	7.7	31.3	31.3	91.4	91.4	7.6	7.6	8.9	8.8	7	82	83	83			<0.2	1.2	<0.2	1.2
					Middle	6.1	0.6	276	15.4	15.4	7.7	7.7	31.3	31.3	91.4	91.4	7.6	7.6	9.1	7	7	82	83	83			<0.2	1.0	<0.2	1.0
						11.1	0.5	262	15.3	15.3	7.7	7.7	32.0	32.0	92.4	92.4	7.6	7.6	12.3	7.6	16	83	83	83			<0.2	0.9	<0.2	0.9
						11.1	0.5	269	15.3	15.3	7.7	7.7	32.0	32.0	92.4	92.4	7.6	7.6	12.3	7.6	15	83	83	83			<0.2	0.9	<0.2	0.9
IM1	Fine	Moderate	10:02	7.8	Surface	1.0	0.6	174	15.5	15.5	7.8	7.8	32.7	32.7	95.7	95.7	7.8	7.8	6.7	7.8	10	80	82	82	818362	806473	<0.2	1.0	<0.2	1.0
						1.0	0.6	177	15.5	15.5	7.8	7.8	32.7	32.7	95.7	95.7	7.8	7.8	6.8	7.8	8	81	81	81			<0.2	1.0	<0.2	1.0
						3.9	0.6	166	15.5	15.5	7.8	7.8	32.7	32.7	95.6	95.6	7.8	7.8	8.5	12.0	11	81	81	81			<0.2	1.0	<0.2	1.0
					Middle	3.9	0.6	167	15.5	15.5	7.8	7.8	32.7	32.7	95.6	95.6	7.8	7.8	8.6	7.8	9	81	81	81			<0.2	1.0	<0.2	1.0
						6.8	0.5	144	15.4	15.4	7.8	7.8	33.3	33.3	95.9	96.1	7.8	7.8	20.6	7.8	30	83	83	83			<0.2	1.1	<0.2	1.1
						6.8	0.5	145	15.4	15.4	7.8	7.8	33.3	33.3	96.2	96.2	7.8	7.8	20.9	7.8	31	83	83	83			<0.2	1.0	<0.2	1.0
IM2	Fine	Moderate	10:08	8.9	Surface	1.0	0.6	128	15.6	15.6	7.8	7.8	32.7	32.7	95.8	95.8	7.8	7.8	5.6	7.8	9	81	82	82	818846	806201	<0.2	1.1	<0.2	1.2
						1.0	0.6	133	15.6	15.6	7.8	7.8	32.7	32.7	95.8	95.8	7.8	7.8	5.6	7.8	10	81	81	81			<0.2	1.2	<0.2	1.2
						4.5	0.6	146	15.5	15.5	7.8	7.8	32.6	32.6	95.4	95.4	7.8	7.8	8.0	7.8	10	82	82	82			<0.2	1.3	<0.2	1.4
					Middle	4.5	0.6	155	15.5	15.5	7.8	7.8	32.6	32.6	95.4	95.4	7.8	7.8	8.1	7.8	10	82	82	82			<0.2	1.4	<0.2	1.3
						7.9	0.5	129	15.4	15.4	7.8	7.8	33.2	33.2	95.3	95.3	7.8	7.8	16.5	7.8	14	83	83	83			<0.2	1.2	<0.2	1.2
						7.9	0.5	132	15.4	15.4	7.8	7.8	33.2	33.2	95.3	95.3	7.8	7.8	16.4	7.8	14	83	83	83			<0.2	1.2	<0.2	1.2
IM3	Fine	Moderate	10:16	9.1	Surface	1.0	0.6	105	15.5	15.5	7.8	7.8	32.6	32.6	95.9	95.9	7.8	7.8	5.9	7.8	7	80	82	82	819414	806028	<0.2	1.5	<0.2	1.3
						1.0	0.6	115	15.5	15.5	7.8	7.8	32.6	32.6	95.9	95.9	7.8	7.8	5.9	7.8	8	81	81	81			<0.2	1.3	<0.2	1.3
						4.6	0.6	102	15.5	15.5	7.8	7.8	32.6	32.6	95.7	95.7	7.8	7.8	6.8	7.8	10	82	82	82			<0.2	1.5	<0.2	1.5
					Middle	4.6	0.6	105	15.5	15.5	7.8	7.8	32.6	32.6	95.7	95.7	7.8	7.8	6.8	7.8	8	82	82	82			<0.2	1.4	<0.2	1.4
						8.1	0.5	104	15.5	15.5	7.8	7.8	33.1	33.1	96.0	96.0	7.8	7.8	16.9	7.8	16	83	83	83			<0.2	1.4	<0.2	1.4
						8.1	0.5	106	15.5	15.5	7.8	7.8	33.1	33.1	96.0	96.0	7.8	7.8	17.1	7.8	15	83	83	83			<0.2	1.5	<0.2	1.5
IM4	Fine	Rough	10:25	8.4	Surface	1.0	0.7	110	15.6	15.6	7.8	7.8	32.4	32.4	95.2	95.2	7.8	7.8	7.4	7.8	8	82	83	83	819588	805031	<0.2	1.4	<0.2	1.2
						1.0	0.7	111	15.6	15.6	7.8	7.8	32.4	32.4	95.2	95.2	7.8	7.8	7.5	7.8	10	82	83	83			<0.2	1.2	<0.2	1.3
						4.2	0.6	92	15.5	15.5	7.8	7.8	32.6	32.6	94.8	94.8	7.8	7.8	16.3	7.8	22	83	83	83			<0.2	1.3	<0.2	1.3
					Middle	4.2	0.7	95	15.5	15.5	7.8	7.8	32.6	32.6	94.8	94.8	7.8	7.8	16.6	7.8	21	83	83	83			<0.2	1.3	<0.2	1.3
						7.4	0.6	110	15.5	15.5	7.8	7.8	32.9	32.9	94.7	94.7	7.7	7.7	26.3	7.7	34	84	84	84			<0.2	1.0	<0.2	1.0
						7.4	0.6	117	15.5	15.5	7.8	7.8	32.9	32.9	94.7	94.7	7.7	7.7	25.8	7.7	34	84	84	84			<0.2	1.2	<0.2	1.2
IM5	Fine	Rough	10:32	7.3	Surface	1.0	0.7	106	15.6	15.6	7.8	7.8	32.0	32.0	94.9	94.9	7.8	7.8	5.4	7.8	6	79	81	81	820545	804927	<0.2	1.3	<0.2	1.3
						1.0	0.7	109	15.6	15.6	7.8	7.8	32.0	32.0	94.8	94.8	7.8	7.8	5.3	7.8	6	80	81	81			<0.2	1.5	<0.2	1.5
						3.7	0.7	76	15.6	15.6	7.8	7.8	32.2	32.2	94.9	94.9	7.8	7.8	11.2	16.3	10	81	81	81			<0.2	1.3	<0.2	1.3
					Middle	3.7	0.7	76	15.6	15.6	7.8	7.8	32.2	32.2	94.9	94.9	7.8	7.8	11.3	16.3	8	81	81	81			<0.2	1.4	<0.2	1.4
						6.3	0.6	115	15.5	15.5	7.8	7.8	32.9	32.9	95.3	95.3	7.8	7.8	32.3	7.8	31	82	82	82			<0.2	1.4	<0.2	1.4
						6.3	0.6	123	15.5	15.5	7.8	7.8	32.9	32.9	95.4	95.4	7.8	7.8	32.2	7.8	30	82	82	82			<0.			

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	09:30	7.9	Surface	1.0	0.6	212	18.7	18.7	7.9	7.9	27.4	27.4	93.6	93.6	7.4	7.4	13.3	14.6	16	17	78	81	822104	808803	<0.2	1.9	<0.2	2.1			
						1.0	0.6	217	18.7	7.9	7.9	27.4	27.4	93.6	93.6	7.4	7.4	13.3	14.6	16	17	77	81	82	84	84	84	<0.2	2.1	<0.2	2.2		
					Middle	4.0	0.5	233	18.6	18.6	7.9	7.9	27.5	27.5	93.6	93.6	7.4	7.4	15.2	15.3	18	18	82	82	82	82	<0.2	2.0	<0.2	2.3			
						4.0	0.6	236	18.6	18.6	7.9	7.9	27.5	27.5	93.6	93.6	7.4	7.4	15.3	15.3	18	18	84	84	84	84	<0.2	2.0	<0.2	2.3			
					Bottom	6.9	0.6	261	18.6	18.6	7.9	7.9	28.0	28.0	94.6	94.6	7.5	7.5	15.3	15.3	19	19	84	84	84	84	<0.2	1.9	<0.2	1.9			
						6.9	0.7	284	18.6	18.6	7.9	7.9	28.0	28.0	94.6	94.6	7.5	7.5	15.3	15.3	19	19	84	84	84	84	<0.2	1.9	<0.2	1.9			
IM10	Cloudy	Moderate	09:23	8.1	Surface	1.0	0.7	278	18.7	18.7	7.9	7.9	28.2	28.2	93.7	93.8	7.4	7.4	13.5	19.0	13	14	77	81	822255	809824	<0.2	1.6	<0.2	1.7			
						1.0	0.7	285	18.7	7.9	7.9	28.2	28.2	93.8	93.8	7.4	7.4	13.7	19.0	13	14	78	81	82	84	84	84	<0.2	1.6	<0.2	1.6		
					Middle	4.1	0.6	288	18.6	18.6	7.9	7.9	28.4	28.4	93.3	93.3	7.4	7.4	19.3	19.4	11	11	83	83	83	83	<0.2	1.6	<0.2	1.3			
						4.1	0.6	289	18.6	18.6	7.9	7.9	28.4	28.4	93.3	93.3	7.4	7.4	19.4	19.4	11	11	83	83	83	83	<0.2	1.6	<0.2	1.3			
					Bottom	7.1	0.6	273	18.5	18.5	7.9	7.9	28.5	28.5	93.3	93.3	7.4	7.4	23.8	23.8	16	16	84	84	84	84	<0.2	1.8	<0.2	1.8			
						7.1	0.7	278	18.5	18.5	7.9	7.9	28.5	28.5	93.3	93.3	7.4	7.4	24.1	24.1	16	16	84	84	84	84	<0.2	1.7	<0.2	1.7			
IM11	Cloudy	Rough	09:15	8.9	Surface	1.0	0.6	274	18.6	18.6	7.9	7.9	28.3	28.3	93.5	93.5	7.4	7.4	14.0	17.8	15	15	77	81	821503	810536	<0.2	1.4	<0.2	1.4			
						1.0	0.7	286	18.6	18.6	7.9	7.9	28.3	28.3	93.5	93.5	7.4	7.4	14.1	17.8	15	15	78	81	81	81	<0.2	1.4	<0.2	1.4			
					Middle	4.5	0.5	278	18.5	18.5	7.9	7.9	28.7	28.7	93.4	93.4	7.4	7.4	18.3	18.3	14	14	81	81	81	81	<0.2	1.2	<0.2	1.3			
						4.5	0.5	303	18.5	18.5	7.9	7.9	28.7	28.7	93.4	93.4	7.4	7.4	18.1	18.1	16	16	83	83	83	83	<0.2	1.2	<0.2	1.2			
					Bottom	7.9	0.4	259	18.5	18.5	7.9	7.9	28.7	28.7	94.0	94.0	7.4	7.4	21.2	21.2	16	16	84	84	84	84	<0.2	1.1	<0.2	1.1			
						7.9	0.5	277	18.5	18.5	7.9	7.9	28.7	28.7	94.0	94.0	7.4	7.4	21.3	21.3	15	15	85	85	85	85	<0.2	1.1	<0.2	1.1			
IM12	Cloudy	Moderate	09:08	9.2	Surface	1.0	0.8	269	18.6	18.6	7.9	7.9	28.8	28.8	93.3	93.3	7.4	7.4	13.5	14.5	18	17	79	82	821160	811532	<0.2	1.3	<0.2	1.2			
						1.0	0.8	276	18.6	18.6	7.9	7.9	28.8	28.8	93.3	93.3	7.4	7.4	13.5	14.5	17	17	79	82	82	82	<0.2	1.3	<0.2	1.3			
					Middle	4.6	0.7	268	18.5	18.5	7.9	7.9	28.8	28.8	93.1	93.1	7.3	7.3	14.6	14.6	18	18	83	83	83	83	<0.2	1.3	<0.2	1.3			
						4.6	0.7	276	18.5	18.5	7.9	7.9	28.8	28.8	93.1	93.1	7.3	7.3	14.7	14.7	16	16	82	82	82	82	<0.2	1.3	<0.2	1.3			
					Bottom	8.2	0.6	262	18.5	18.5	7.9	7.9	28.9	28.9	93.6	94.4	7.4	7.4	15.7	15.7	17	17	85	85	85	85	<0.2	1.2	<0.2	1.2			
						8.2	0.6	264	18.5	18.5	7.9	7.9	28.9	28.9	95.1	94.4	7.5	7.5	15.2	15.2	18	18	84	84	84	84	<0.2	1.0	<0.2	1.0			
SR2	Cloudy	Moderate	08:22	5.5	Surface	1.0	0.7	278	18.5	18.5	7.9	7.9	28.7	28.7	92.7	92.7	7.3	7.3	17.9	18.9	16	17	82	82	821477	814166	<0.2	1.3	<0.2	1.4			
						1.0	0.8	282	18.5	18.5	7.9	7.9	28.7	28.7	92.7	92.7	7.3	7.3	17.9	17.9	16	16	78	82	82	82	<0.2	1.4	<0.2	1.4			
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	-	<0.2	-
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	-	<0.2	-
					Bottom	4.5	0.6	278	18.5	18.5	7.9	7.9	28.7	28.7	92.6	92.6	7.3	7.3	20.5	20.5	17	17	85	85	85	85	<0.2	1.5	<0.2	1.5			
						4.5	0.6	294	18.5	18.5	7.9	7.9	28.7	28.7	92.6	92.6	7.3	7.3	19.1	19.1	17	17	84	84	84	84	<0.2	1.4	<0.2	1.4			
SR3	Cloudy	Rough	09:49	9.3	Surface	1.0	0.7	211	18.8	18.8	7.9	7.9	26.8	26.8	93.2	93.2	7.4	7.4	7.8	15.0	8	8	-	-	822134	807588	-	-	-	-			
						1.0	0.7	211	18.8	18.8	7.9	7.9	26.8	26.8	93.2	93.2	7.4	7.4	7.9	7.9	7	7	-	-	-	-	-	-	-	-			
					Middle	4.7	0.7	114	18.7	18.7	7.9	7.9	27.4	27.4	92.5	92.5	7.3	7.3	17.9	17.9	6	6	-	-	-	-	-	-	-	-			
						4.7	0.8	119	18.7	18.7	7.9	7.9	27.4	27.4	92.5	92.5	7.3	7.3	18.2	18.2	8	8	-	-	-	-	-	-	-	-			
					Bottom	8.3	0.7	80	18.7	18.7	7.9	7.9	27.5	27.5	92.6	92.6	7.3	7.3	19.1	19.1	7	7	-	-	-	-	-	-	-	-			
						8.3	0.7	80	18.7	18.7	7.9	7.9	27.4	27.4	92.6	92.6	7.3	7.3	19.0	19.0	9	9	-	-	-	-	-	-	-	-			
SR4A	Fine	Moderate	09:19	9.4	Surface	1.0	0.3	230	15.4	15.4	7.8	7.8	32.5	32.5	93.8	93.8	7.7	7.7	11.5	11.8	14	16	-	-	817185	807817	-	-	-	-			
						1.0	0.3	252	15.4	15.4	7.8	7.8	32.5	32.5	93.7	93.7	7.7	7.7	11.5	11.5	14	14	-	-	-	-	-	-	-	-			
					Middle	4.7	0.3	235	15.4	15.4	7.7	7.7	32.5	32.5	94.0	94.0	7.7	7.7	12.1	12.1	15	15	-	-	-	-	-	-	-	-			
						4.7	0.3	244	15.4	15.4	7.7	7.7	32.5	32.5	94.0	94.0	7.7	7.7	12.1	12.1	17	17	-	-	-	-	-	-	-	-			
					Bottom	8.4	0.3	229	15.4	15.4	7.8	7.8	32.5	32.5	94.4	94.4	7.7	7.7	11.8	11.8	16	16	-	-	-	-	-	-	-	-			
						8.4	0.3	239	15.4	15.4	7.8	7.8	32.5	32.5	94.4	94.4	7.7	7.7	11.8	11.8	18	18	-	-	-	-	-	-	-	-			
SR5A	Cloudy	Moderate	09:03	4.0	Surface	1.0	0.2	279	15.4	15.4	7.7	7.7	32.3	32.3	94.8	94.8	7.8	7.8	15.6	15.6	21	22	-	-	816580	810712	-	-	-	-			
						1.0	0.2	300	15.4	15.4	7.7	7.7	32.3	32.3	94.8	94.8	7.8	7.8	15.7	15.7	21	21	-	-	-	-	-	-	-	-			
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.0	0.2	273	15.4	15.4	7.7	7.7	32.3	32.3	95.3	95.3	7.8	7.8	15.6	15.6	23	23	-	-	-	-	-	-	-	-			
						3.0	0.2	298	15.4	15.4	7.7	7.7	32.3	32.3	95.3	95.3	7.8	7.8	15.5	15.5	22	22	-	-	-	-	-	-	-	-			
SR6	Cloudy	Moderate	08:41	4.2	Surface	1.0	0.2	224	15.5	15.5	7.7	7.7	31.5	31.5	93.6	93.6	7.7	7.7	10.2	10.3	14	17	-	-	817885	814670	-	-	-	-			
						1.0	0.2	231	15.5	15.5	7.7	7.7	31.5	31.5	93.6	93.6	7.7	7.7	10.3	10.3	14	14	-	-	-	-	-	-	-	-			
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.2	0.2	216	15.5	15.5	7.7	7.7	31.5	31.5	95.3	95.3	7.8	7.8	10.4	10.4	20	20	-	-	-	-	-	-	-	-			
						3.2	0.2	217	15.5	15.5	7.7	7.7	31.5	31.5	95.4	95.4	7.9	7.9	10.3	10.3	20	20	-	-	-	-	-	-	-	-			
SR7	Cloudy	Moderate	0																														

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
					Value	Average			Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
					Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	15:06	8.8	Surface	1.0	0.3	217	15.5	15.5	7.9	7.9	35.3	35.3	96.8	96.8	7.8	7.8	6.3	6.3	6	8	81	82	815638	804244	<0.2	0.9	0.9	
						1.0	0.4	219	15.5	15.5	7.9	7.9	35.3	35.3	96.8	96.8	7.8	7.8	6.4	6.4	6	8	81	82	81	82	<0.2	1.0		
						4.4	0.4	208	15.5	15.5	7.9	7.9	35.4	35.4	96.6	96.6	7.8	7.8	7.1	7.1	7	8	81	82	81	82	<0.2	0.8		
					4.4	0.4	223	15.5	15.5	7.9	7.9	35.4	35.4	96.6	96.6	7.8	7.8	7.1	7.1	9	8	81	82	81	82	<0.2	0.8			
					7.8	0.3	213	15.3	15.3	7.9	7.9	35.4	35.4	96.9	96.9	7.8	7.8	8.3	8.3	9	8	81	82	81	82	<0.2	0.8			
					7.8	0.3	224	15.3	15.3	7.9	7.9	35.4	35.4	97.0	97.0	7.8	7.8	8.2	8.2	10	8	81	82	81	82	<0.2	0.9			
C2	Cloudy	Moderate	14:06	12.5	Surface	1.0	0.3	156	19.0	19.0	7.9	7.9	26.1	26.1	93.5	93.5	7.4	7.4	6.8	6.8	5	5	80	81	825691	806961	<0.2	0.8	1.0	
						1.0	0.4	161	19.0	19.0	7.9	7.9	26.1	26.1	93.5	93.5	7.4	7.4	6.8	6.8	3	5	80	81	81	82	<0.2	0.9		
						6.3	0.3	163	18.6	18.6	7.9	7.9	29.0	29.0	91.5	91.5	7.2	7.2	10.5	10.5	6	5	81	81	81	81	<0.2	1.0		
					6.3	0.3	166	18.6	18.6	7.9	7.9	29.0	29.0	91.5	91.5	7.2	7.2	10.6	10.6	4	5	81	81	81	81	<0.2	1.1			
					11.5	0.3	174	18.6	18.6	7.9	7.9	29.1	29.1	91.4	91.4	7.2	7.2	13.5	13.5	6	5	81	81	81	81	<0.2	0.9			
					11.5	0.3	185	18.6	18.6	7.9	7.9	29.1	29.1	91.4	91.4	7.2	7.2	13.6	13.6	7	5	81	81	81	81	<0.2	1.0			
C3	Cloudy	Moderate	15:47	12.6	Surface	1.0	0.5	69	18.7	18.7	7.9	7.9	28.8	28.8	92.8	92.8	7.3	7.3	7.5	7.5	6	8	73	75	822101	817793	<0.2	0.6	0.6	
						1.0	0.6	69	18.7	18.7	7.9	7.9	28.8	28.8	92.8	92.8	7.3	7.3	7.5	7.5	6	8	75	75	81	81	<0.2	0.8		
						6.3	0.4	91	18.5	18.5	7.9	7.9	29.7	29.7	91.1	91.1	7.2	7.2	7.1	7.1	8	8	87	87	81	81	<0.2	0.5		
					6.3	0.4	91	18.5	18.5	7.9	7.9	29.7	29.7	91.1	91.1	7.2	7.2	7.2	7.2	8	8	84	84	81	81	<0.2	0.5			
					11.6	0.3	87	18.5	18.5	7.9	7.9	29.8	29.8	90.5	90.5	7.1	7.1	7.4	7.4	9	8	87	87	81	81	<0.2	0.5			
					11.6	0.4	87	18.5	18.5	7.9	7.9	29.9	29.9	90.5	90.5	7.1	7.1	7.7	7.7	11	8	87	87	81	81	<0.2	0.7			
IM1	Cloudy	Moderate	14:48	7.8	Surface	1.0	0.3	195	15.7	15.7	7.8	7.8	34.0	34.0	96.6	96.6	7.8	7.8	8.2	8.2	10	10	80	80	818343	806443	<0.2	0.7	1.0	
						1.0	0.3	202	15.7	15.7	7.8	7.8	34.0	34.0	96.6	96.6	7.8	7.8	8.2	8.2	8	10	80	80	81	81	<0.2	0.7		
						3.9	0.3	187	15.6	15.6	7.8	7.8	34.0	34.0	96.5	96.6	7.8	7.8	9.0	9.0	9	10	81	81	81	81	<0.2	0.8		
					3.9	0.3	199	15.6	15.6	7.8	7.8	34.0	34.0	96.6	96.6	7.8	7.8	9.0	9.0	10	10	81	81	81	81	<0.2	1.0			
					6.8	0.3	158	15.5	15.5	7.8	7.8	34.9	34.9	96.9	97.0	7.8	7.8	9.8	9.8	11	10	82	82	81	81	<0.2	1.2			
					6.8	0.3	165	15.5	15.5	7.8	7.8	34.9	34.9	97.0	97.0	7.8	7.8	9.8	9.8	11	10	82	82	81	81	<0.2	1.3			
IM2	Cloudy	Moderate	14:42	8.7	Surface	1.0	0.3	215	15.7	15.7	7.8	7.8	33.2	33.2	96.5	96.5	7.8	7.8	5.9	5.9	7	9	79	80	818833	806201	<0.2	0.5	0.8	
						1.0	0.3	225	15.7	15.7	7.8	7.8	33.2	33.2	96.5	96.5	7.8	7.8	5.9	5.9	7	9	80	80	81	81	<0.2	0.6		
						4.4	0.3	173	15.5	15.5	7.8	7.8	34.5	34.5	96.6	96.6	7.8	7.8	8.4	8.4	8	9	81	81	81	81	<0.2	0.8		
					4.4	0.3	184	15.5	15.5	7.8	7.8	34.5	34.5	96.6	96.6	7.8	7.8	8.5	8.5	10	9	81	81	81	81	<0.2	0.7			
					7.7	0.3	171	15.5	15.5	7.8	7.8	34.8	34.8	96.9	97.0	7.8	7.8	9.9	9.9	9	9	82	82	81	81	<0.2	1.0			
					7.7	0.3	183	15.5	15.5	7.8	7.8	34.8	34.8	97.0	97.0	7.8	7.8	9.9	9.9	11	9	82	82	81	81	<0.2	1.1			
IM3	Cloudy	Moderate	14:35	8.9	Surface	1.0	0.3	197	15.7	15.7	7.8	7.8	32.9	32.9	97.0	97.1	7.9	7.9	6.3	6.3	7	8	81	81	819407	806008	<0.2	0.6	0.7	
						1.0	0.3	199	15.7	15.7	7.8	7.8	32.9	32.9	97.1	97.1	7.9	7.9	6.3	6.3	6	8	81	81	81	81	<0.2	0.6		
						4.5	0.3	152	15.6	15.6	7.8	7.8	34.3	34.3	96.9	96.9	7.8	7.8	8.3	8.3	7	8	81	81	81	81	<0.2	0.7		
					4.5	0.3	167	15.6	15.6	7.8	7.8	34.3	34.3	96.9	96.9	7.8	7.8	8.4	8.4	8	8	82	82	81	81	<0.2	0.6			
					7.9	0.3	137	15.6	15.6	7.8	7.8	34.5	34.5	96.9	96.9	7.8	7.8	9.0	9.0	9	8	82	82	81	81	<0.2	0.8			
					7.9	0.3	147	15.6	15.6	7.8	7.8	34.5	34.5	96.9	96.9	7.8	7.8	9.0	9.0	12	8	83	83	81	81	<0.2	0.6			
IM4	Cloudy	Moderate	14:27	8.3	Surface	1.0	0.2	185	15.6	15.6	7.8	7.8	34.5	34.5	96.9	96.9	7.8	7.8	9.7	9.7	12	12	80	81	819589	805021	<0.2	1.1	1.2	
						1.0	0.2	198	15.6	15.6	7.8	7.8	34.5	34.5	96.9	96.9	7.8	7.8	9.8	9.8	11	12	81	81	81	81	<0.2	0.9		
						4.2	0.2	177	15.6	15.6	7.8	7.8	34.6	34.6	96.8	96.9	7.8	7.8	10.3	10.3	13	12	81	81	81	81	<0.2	1.0		
					4.2	0.2	180	15.6	15.6	7.8	7.8	34.6	34.6	96.9	96.9	7.8	7.8	10.3	10.3	13	12	81	81	81	81	<0.2	1.2			
					7.3	0.1	166	15.5	15.5	7.8	7.8	34.6	34.6	97.5	97.5	7.9	7.9	10.7	10.7	12	12	82	82	81	81	<0.2	1.5			
					7.3	0.1	166	15.5	15.5	7.8	7.8	34.6	34.6	97.5	97.5	7.9	7.9	10.8	10.8	13	12	82	82	81	81	<0.2	1.5			
IM5	Cloudy	Moderate	14:20	7.2	Surface	1.0	0.4	164	15.6	15.6	7.8	7.8	33.8	33.8	96.7	96.7	7.8	7.8	11.4	11.4	11	11	80	80	820561	804929	<0.2	2.7	2.5	
						1.0	0.4	167	15.6	15.6	7.8	7.8	33.8	33.8	96.7	96.7	7.8	7.8	11.3	11.3	12	11	80	80	81	81	<0.2	2.5		
						3.6	0.4	169	15.5	15.5	7.8	7.8	34.0	34.0	96.9	96.9	7.9	7.9	11.0	11.0	12	11	81	81	81	81	<0.2	2.6		
					3.6	0.4	183	15.5	15.5	7.8	7.8	34.0	34.0	96.9	96.9	7.9	7.9	10.9	10.9	11	11	81	81	81	81	<0.2	2.4			
					6.2	0.4	184	15.5	15.5	7.8	7.8	34.1	34.1	97.6	97.6	7.9	7.9	10.5	10.5	11	11	82	82	81	81	<0.2	2.3			
					6.2	0.4	190	15.5	15.5	7.8	7.8	34.1	34.1	97.6	97.6	7.9	7.9	10.6	10.6	11	11	82	82	81	81	<0.2	2.4			
IM6	Cloudy	Moderate	14:12	7.2	Surface	1.0	0.3	134	15.5	15.5	7.8	7.8	34.1	34.1	96.6	96.7	7.8	7.8	9.0	9.0	9	10	80	81	821045	805837	<0.2	0.4	0.4	
						1.0	0.3	142	15.5	15.5	7.8	7.8	34.1	34.1	96.7	96.7	7.8	7.8	9.0	9.0	9	10	81	81	81	81	<0.2	0.4		
						3.6	0																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
IM9	Cloudy	Rough	14:41	7.1	Surface	1.0	0.5	115	18.7	18.7	7.9	7.9	28.0	28.0	95.8	95.9	7.6	7.6	9.9	7.6	8	8	79	79	82	822105	808808	<0.2	1.6	<0.2	1.3			
						1.0	0.5	120	18.7	7.9	7.9	28.0	28.0	95.9	96.0	7.6	7.6	9.9	7.6	8	8	79	79	<0.2				1.5	<0.2	1.3				
					Middle	3.6	0.4	98	18.6	18.6	8.0	8.0	29.5	29.5	96.8	96.8	7.6	7.6	14.3	14.3	9	9	83	83				<0.2	1.5	<0.2	1.2			
						3.6	0.4	104	18.6	18.6	8.0	8.0	29.5	29.5	96.8	96.8	7.6	7.6	14.2	14.2	8	8	82	82				<0.2	1.2	<0.2	1.2			
					Bottom	6.1	0.3	95	18.6	18.6	8.0	8.0	29.6	29.6	96.5	96.5	7.6	7.6	23.7	23.7	14	14	85	85				<0.2	1.4	<0.2	1.1			
						6.1	0.3	103	18.6	18.6	8.0	8.0	29.6	29.6	96.5	96.5	7.6	7.6	23.8	23.8	13	13	84	84				<0.2	1.1	<0.2	1.1			
IM10	Cloudy	Rough	14:50	7.6	Surface	1.0	0.4	142	18.9	18.9	7.9	7.9	27.7	27.7	96.5	96.5	7.6	7.6	8.6	7.6	7	7	77	77	81	822230	809819	<0.2	1.5	<0.2	1.7			
						1.0	0.4	147	18.9	7.9	7.9	27.7	27.7	96.6	96.6	7.6	7.6	8.7	7.6	6	6	78	78	<0.2				1.7	<0.2	1.8				
					Middle	3.8	0.4	103	18.8	18.8	8.0	8.0	28.4	28.4	96.6	96.7	7.6	7.6	12.2	12.2	8	8	81	81				<0.2	1.5	<0.2	1.9			
						3.8	0.5	105	18.8	18.8	8.0	8.0	28.4	28.4	96.8	96.7	7.6	7.6	12.8	12.8	9	9	83	83				<0.2	1.5	<0.2	1.4			
					Bottom	6.6	0.4	116	18.7	18.7	8.0	8.0	29.2	29.2	96.6	96.6	7.6	7.6	19.7	19.7	14	14	84	84				<0.2	1.4	<0.2	1.3			
						6.6	0.4	122	18.7	18.7	8.0	8.0	29.2	29.2	96.6	96.6	7.6	7.6	19.8	19.8	13	13	85	85				<0.2	1.3	<0.2	1.3			
IM11	Cloudy	Rough	14:57	9.0	Surface	1.0	0.4	110	18.8	18.8	8.0	8.0	28.2	28.2	96.0	96.0	7.6	7.6	9.8	9.8	10	10	77	77	83	821497	810545	<0.2	0.9	<0.2	1.0			
						1.0	0.5	112	18.8	8.0	8.0	28.2	28.2	96.0	96.0	7.6	7.6	9.8	9.8	9	9	78	78	<0.2				1.5	<0.2	1.5				
					Middle	4.5	0.4	101	18.7	18.7	8.0	8.0	28.5	28.5	95.7	95.7	7.5	7.5	11.7	11.7	10	10	82	82				<0.2	1.5	<0.2	1.5			
						4.5	0.4	108	18.7	18.7	8.0	8.0	28.5	28.5	95.7	95.7	7.5	7.5	11.8	11.8	9	9	83	83				<0.2	1.2	<0.2	1.2			
					Bottom	8.0	0.4	108	18.5	18.5	8.0	8.0	29.5	29.5	95.8	95.8	7.5	7.5	21.6	21.6	14	14	84	84				<0.2	1.2	<0.2	1.2			
						8.0	0.4	108	18.5	18.5	8.0	8.0	29.5	29.5	95.8	95.8	7.5	7.5	21.6	21.6	13	13	96	96				<0.2	1.2	<0.2	1.2			
IM12	Cloudy	Rough	15:05	9.1	Surface	1.0	0.5	107	18.8	18.8	8.0	8.0	28.4	28.4	95.5	95.5	7.5	7.5	9.6	9.6	10	10	78	78	81	821159	811503	<0.2	1.4	<0.2	1.2			
						1.0	0.5	116	18.8	8.0	8.0	28.4	28.4	95.5	95.5	7.5	7.5	9.5	9.5	9	9	77	77	<0.2				1.5	<0.2	1.3				
					Middle	4.6	0.4	104	18.7	18.7	8.0	8.0	28.4	28.4	94.9	95.0	7.5	7.5	11.7	11.7	11	11	83	83				<0.2	1.5	<0.2	1.3			
						4.6	0.5	105	18.7	18.7	8.0	8.0	28.4	28.4	95.0	95.0	7.5	7.5	12.3	12.3	10	10	82	82				<0.2	1.3	<0.2	1.1			
					Bottom	8.1	0.4	116	18.6	18.6	8.0	8.0	29.1	29.1	95.0	95.1	7.5	7.5	20.0	20.0	15	15	82	82				<0.2	1.1	<0.2	1.0			
						8.1	0.4	121	18.6	18.6	8.0	8.0	29.1	29.1	95.1	95.1	7.5	7.5	20.1	20.1	14	14	84	84				<0.2	1.0	<0.2	1.0			
SR2	Cloudy	Moderate	15:27	4.7	Surface	1.0	0.5	74	18.9	18.9	7.9	7.9	28.0	28.0	95.2	95.2	7.5	7.5	8.6	8.6	15	15	77	77	81	821477	814179	<0.2	1.2	<0.2	1.3			
						1.0	0.5	75	18.9	7.9	7.9	28.0	28.0	95.2	95.2	7.5	7.5	8.6	8.6	17	17	77	77	<0.2				1.3	<0.2	1.3				
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	<0.2	-	<0.2	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	<0.2	-	<0.2	-
					Bottom	3.7	0.4	78	18.7	18.7	7.9	7.9	28.7	28.7	93.7	93.7	7.4	7.4	15.4	15.4	15	15	83	83				<0.2	1.2	<0.2	1.0			
						3.7	0.4	80	18.7	18.7	7.9	7.9	28.7	28.7	93.7	93.7	7.4	7.4	15.6	15.6	15	15	84	84				<0.2	1.2	<0.2	1.0			
SR3	Cloudy	Moderate	14:27	9.2	Surface	1.0	0.4	160	18.8	18.8	7.9	7.9	27.1	27.1	95.0	95.0	7.5	7.5	8.4	8.4	5	5	-	-	-	822139	807567	-	-	-	-			
						1.0	0.5	162	18.8	7.9	7.9	27.1	27.1	95.0	95.0	7.5	7.5	8.5	8.5	7	7	-	-	-				-	-	-				
					Middle	4.6	0.4	130	18.6	18.6	7.9	7.9	28.7	28.7	95.7	95.7	7.5	7.5	15.4	15.4	6	6	-	-				-	-	-	-			
						4.6	0.4	141	18.6	18.6	7.9	7.9	28.7	28.7	95.7	95.7	7.5	7.5	15.4	15.4	8	8	-	-				-	-	-	-			
					Bottom	8.2	0.3	104	18.6	18.6	8.0	8.0	29.5	29.5	96.6	96.6	7.6	7.6	21.1	21.1	14	14	-	-				-	-	-	-			
						8.2	0.4	108	18.6	18.6	8.0	8.0	29.5	29.5	96.6	96.6	7.6	7.6	21.2	21.2	14	14	-	-				-	-	-	-			
SR4A	Cloudy	Moderate	15:27	9.5	Surface	1.0	0.3	137	15.6	15.6	7.8	7.8	34.4	34.4	96.4	96.4	7.8	7.8	13.0	13.0	15	15	-	-	-	817178	807828	-	-	-	-			
						1.0	0.3	144	15.6	7.8	7.8	34.4	34.4	96.4	96.4	7.8	7.8	13.1	13.1	17	17	-	-	-				-	-	-				
					Middle	4.8	0.3	98	15.6	15.6	7.8	7.8	34.5	34.5	96.3	96.4	7.8	7.8	14.6	14.6	17	17	-	-				-	-	-	-			
						4.8	0.3	98	15.6	15.6	7.8	7.8	34.5	34.5	96.4	96.4	7.8	7.8	14.5	14.5	18	18	-	-				-	-	-	-			
					Bottom	8.5	0.3	94	15.6	15.6	7.8	7.8	34.5	34.5	96.9	96.9	7.8	7.8	14.7	14.7	20	20	-	-				-	-	-	-			
						8.5	0.3	99	15.6	15.6	7.8	7.8	34.5	34.5	96.9	96.9	7.8	7.8	14.8	14.8	20	20	-	-				-	-	-	-			
SR5A	Cloudy	Calm	15:44	3.8	Surface	1.0	0.1	187	15.9	15.9	7.8	7.8	33.4	33.4	97.3	97.3	7.9	7.9	9.9	9.9	10	10	-	-	-	816577	810694	-	-	-	-			
						1.0	0.1	187	15.9	7.8	7.8	33.4	33.4	97.3	97.3	7.9	7.9	9.9	9.9	9	9	-	-	-				-	-	-				
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
					Bottom	2.8	0.1	194	15.9	15.9	7.8	7.8	33.4	33.4	97.9	97.9	7.9	7.9	8.3	8.3	12	12	-	-				-	-	-	-			
						2.8	0.1	201	15.9	15.9	7.8	7.8	33.4	33.4	97.9	97.9	7.9	7.9	8.1	8.1	10	10	-	-				-	-	-	-			
SR6	Cloudy	Calm	16:09	4.3	Surface	1.0	0.2	161	15.9	15.9	7.8	7.8	33.1	33.1	97.0	97.1	7.9	7.9	7.7	7.7	11	11	-	-	-	817879	814666	-	-	-	-			
						1.0	0.2	164	15.9	7.8	7.8	33.1	33.1	97.1	97.1	7.9	7.9	7.8	7.8	10	10	-	-	-				-	-	-				
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
					Bottom	3.3	0.2	96	16.1	16.1	7.8	7.8	33.0	33.0	98.2	98.2	7.9	7.9	8.0	8.0	13	13	-	-				-	-	-	-			
						3.3	0.2	101	16.1	16.1	7.8	7.8	32.9	33.0	98.3	98.3	7.9	7.9	8.1	8.1	12	12	-	-				-	-	-	-			
SR7	Cloudy	Moderate	16:14	18.0	Surface	1.0	0.6	76	18.8	18.8	7.9	7.9	29.8	29.8	92.8	92.8	7.3	7.3	5.3	5.3	5	5	-	-	-	823628	823753	-	-	-	-			
						1.0	0.6	81	18.8	7.9	7.9	29.8	29.8	92.8	92.8	7.2	7.2	5.2	5.2	7	7	-	-	-				-	-	-				
					Middle	9.0	0.4	67	18.6	18.6	7.9	7.9	30.0	30.0	92.3	92.3	7.2	7.2	5.2	5.2														

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
																											Value	DA	Value	DA	Value	DA	Value	DA
																											Value	DA	Value	DA	Value	DA	Value	DA
C1	Rainy	Moderate	10:17	8.9	Surface	1.0	0.5	60	15.6	15.6	7.8	7.8	32.9	32.9	97.2	97.2	7.9	7.9	4.9	4.9	6	77	80	815628	804258	<0.2	<0.2	0.9	0.8					
						1.0	0.5	62	15.6	15.6	7.8	7.8	32.9	32.9	97.2	97.2	7.9	7.9	4.9	4.9	6	77	80	815628	804258	<0.2	<0.2	1.0	1.0					
						4.5	0.5	67	15.3	15.3	7.8	7.8	33.7	33.7	96.6	96.6	7.9	7.9	7.2	7.2	10	79	80	815628	804258	<0.2	<0.2	0.8	0.8					
					Middle	4.5	0.5	72	15.3	15.3	7.8	7.8	33.7	33.7	96.6	96.6	7.9	7.9	7.2	7.2	8	80	80	815628	804258	<0.2	<0.2	0.8	0.8					
						7.9	0.5	76	15.3	15.3	7.8	7.8	33.7	33.7	96.6	96.6	7.9	7.9	7.4	7.4	12	83	80	815628	804258	<0.2	<0.2	0.8	0.8					
						7.9	0.5	81	15.3	15.3	7.8	7.8	33.7	33.7	96.6	96.6	7.9	7.9	7.4	7.4	12	84	80	815628	804258	<0.2	<0.2	0.7	0.7					
C2	Rainy	Rough	11:07	12.2	Surface	1.0	0.2	245	19.2	19.2	7.9	7.9	24.1	24.1	93.7	93.7	7.5	7.5	4.6	4.6	4	75	80	825663	806951	<0.2	<0.2	2.8	2.8					
						1.0	0.2	261	19.2	19.2	7.9	7.9	24.1	24.1	93.7	93.7	7.5	7.5	4.6	4.6	5	76	80	825663	806951	<0.2	<0.2	2.1	2.1					
						6.1	0.5	269	19.1	19.1	7.9	7.9	26.2	26.2	94.6	94.6	7.5	7.5	4.5	4.5	6	81	80	825663	806951	<0.2	<0.2	2.8	2.8					
					Middle	6.1	0.5	289	19.1	19.1	7.9	7.9	26.1	26.1	94.6	94.6	7.5	7.5	4.5	4.5	6	81	80	825663	806951	<0.2	<0.2	1.8	1.8					
						11.2	0.4	255	19.0	19.0	7.9	7.9	28.0	28.0	95.8	95.8	7.5	7.5	4.6	4.6	10	83	80	825663	806951	<0.2	<0.2	1.9	1.9					
						11.2	0.4	279	19.0	19.0	7.9	7.9	28.0	28.0	95.9	95.9	7.5	7.5	4.6	4.6	11	84	80	825663	806951	<0.2	<0.2	2.0	2.0					
C3	Rainy	Moderate	09:19	12.1	Surface	1.0	0.5	270	18.8	18.8	7.9	7.9	29.2	29.2	94.5	94.5	7.4	7.4	4.2	4.2	5	80	82	822122	817821	<0.2	<0.2	1.4	1.4					
						1.0	0.6	280	18.8	18.8	7.9	7.9	29.2	29.2	94.5	94.5	7.4	7.4	4.2	4.2	7	81	82	822122	817821	<0.2	<0.2	1.5	1.5					
						6.1	0.8	226	18.8	18.8	7.9	7.9	29.2	29.2	93.9	93.9	7.4	7.4	4.4	4.4	5	82	82	822122	817821	<0.2	<0.2	1.4	1.4					
					Middle	6.1	0.8	231	18.8	18.8	7.9	7.9	29.2	29.2	93.9	93.9	7.4	7.4	4.4	4.4	6	82	82	822122	817821	<0.2	<0.2	1.4	1.4					
						11.1	1.2	219	18.8	18.8	7.9	7.9	29.3	29.3	93.3	93.3	7.3	7.3	4.6	4.6	8	84	82	822122	817821	<0.2	<0.2	1.6	1.6					
						11.1	1.3	227	18.7	18.8	7.9	7.9	29.5	29.4	94.0	93.7	7.4	7.4	4.4	4.4	8	84	82	822122	817821	<0.2	<0.2	1.5	1.5					
IM1	Rainy	Moderate	10:35	7.6	Surface	1.0	0.5	126	15.8	15.8	7.8	7.8	32.7	32.7	97.3	97.3	7.9	7.9	4.4	4.4	4	79	81	818347	806472	<0.2	<0.2	1.0	1.0					
						1.0	0.5	130	15.8	15.8	7.8	7.8	32.7	32.7	97.3	97.3	7.9	7.9	4.4	4.4	6	81	81	818347	806472	<0.2	<0.2	0.9	0.9					
						3.8	0.4	125	15.7	15.7	7.8	7.8	32.8	32.8	97.0	97.0	7.9	7.9	5.4	5.4	6	81	81	818347	806472	<0.2	<0.2	1.0	1.0					
					Middle	3.8	0.5	128	15.7	15.7	7.8	7.8	32.8	32.8	97.0	97.0	7.9	7.9	5.4	5.4	8	80	81	818347	806472	<0.2	<0.2	1.0	1.0					
						6.6	0.4	134	15.5	15.5	7.8	7.8	33.7	33.7	96.7	96.7	7.9	7.9	8.7	8.7	14	84	81	818347	806472	<0.2	<0.2	1.2	1.2					
						6.6	0.4	145	15.5	15.5	7.8	7.8	33.7	33.7	96.7	96.7	7.9	7.9	8.7	8.7	13	83	81	818347	806472	<0.2	<0.2	1.2	1.2					
IM2	Rainy	Moderate	10:40	8.9	Surface	1.0	0.4	189	16.0	16.0	7.8	7.8	32.8	32.9	96.9	96.9	7.8	7.8	5.7	5.7	6	77	80	818851	806211	<0.2	<0.2	1.6	1.6					
						1.0	0.5	194	15.9	15.9	7.8	7.8	32.9	32.9	96.9	96.9	7.8	7.8	5.7	5.7	6	78	80	818851	806211	<0.2	<0.2	1.5	1.5					
						4.5	0.4	117	15.8	15.8	7.9	7.9	33.2	33.2	96.7	96.7	7.8	7.8	8.0	8.0	7	81	80	818851	806211	<0.2	<0.2	1.4	1.4					
					Middle	4.5	0.4	127	15.8	15.8	7.9	7.9	33.2	33.2	96.7	96.7	7.8	7.8	8.0	8.0	8	81	80	818851	806211	<0.2	<0.2	1.4	1.4					
						7.9	0.4	160	15.7	15.7	7.9	7.9	33.7	33.7	96.7	96.7	7.8	7.8	8.8	8.8	12	82	80	818851	806211	<0.2	<0.2	1.0	1.0					
						7.9	0.4	168	15.7	15.7	7.9	7.9	33.7	33.7	96.7	96.7	7.8	7.8	8.8	8.8	12	83	80	818851	806211	<0.2	<0.2	1.1	1.1					
IM3	Rainy	Moderate	10:49	9.0	Surface	1.0	0.4	169	16.0	16.0	7.8	7.8	32.8	32.8	97.0	97.0	7.9	7.9	4.6	4.6	4	76	80	819407	806019	<0.2	<0.2	1.2	1.2					
						1.0	0.4	179	16.0	16.0	7.8	7.8	32.8	32.8	97.0	97.0	7.9	7.9	4.6	4.6	4	77	80	819407	806019	<0.2	<0.2	1.2	1.2					
						4.5	0.4	158	15.9	15.9	7.8	7.8	33.0	33.0	96.7	96.7	7.8	7.8	6.1	6.1	6	80	80	819407	806019	<0.2	<0.2	1.2	1.2					
					Middle	4.5	0.4	164	15.9	15.9	7.8	7.8	33.0	33.0	96.7	96.7	7.8	7.8	6.3	6.3	6	81	80	819407	806019	<0.2	<0.2	1.1	1.1					
						8.0	0.4	166	15.8	15.8	7.9	7.9	33.7	33.7	96.5	96.5	7.8	7.8	8.0	8.0	10	83	80	819407	806019	<0.2	<0.2	1.0	1.0					
						8.0	0.4	176	15.8	15.8	7.9	7.9	33.7	33.7	96.5	96.5	7.8	7.8	8.0	8.0	12	84	80	819407	806019	<0.2	<0.2	0.9	0.9					
IM4	Rainy	Moderate	10:57	8.2	Surface	1.0	0.4	209	16.0	16.0	7.8	7.8	32.2	32.2	96.8	96.8	7.9	7.9	7.2	7.2	3	80	81	819580	805026	<0.2	<0.2	1.6	1.6					
						1.0	0.4	213	16.0	16.0	7.8	7.8	32.2	32.2	96.8	96.8	7.9	7.9	7.2	7.2	3	79	81	819580	805026	<0.2	<0.2	1.4	1.4					
						4.1	0.4	177	15.8	15.8	7.8	7.8	32.5	32.5	96.4	96.4	7.8	7.8	11.8	11.8	6	81	81	819580	805026	<0.2	<0.2	1.4	1.4					
					Middle	4.1	0.4	191	15.8	15.8	7.8	7.8	32.5	32.5	96.4	96.4	7.8	7.8	11.8	11.8	8	79	81	819580	805026	<0.2	<0.2	1.5	1.5					
						7.2	0.4	161	15.7	15.7	7.8	7.8	34.0	34.0	96.4	96.4	7.8	7.8	15.3	15.3	15	83	81	819580	805026	<0.2	<0.2	0.8	0.8					
						7.2	0.4	170	15.7	15.7	7.8	7.8	34.0	34.0	96.4	96.4	7.8	7.8	15.3	15.3	13	83	81	819580	805026	<0.2	<0.2	0.9	0.9					
IM5	Rainy	Moderate	11:04	7.4	Surface	1.0	0.5	150	16.1	16.1	7.8	7.8	31.8	31.8	96.7	96.7	7.9	7.9	7.3	7.3	3	79	81	820560	804924	<0.2	<0.2	2.0	2.0					
						1.0	0.5	161	16.1	16.1	7.8	7.8	31.8	31.8	96.7	96.7	7.9	7.9	7.3	7.3	5	77	81	820560	804924	<0.2	<0.2	1.5	1.5					
						3.7	0.4	168	15.9	15.9	7.9	7.9	32.2	32.2	96.5	96.5	7.9	7.9	13.3	13.3	8	80	81	820560	804924	<0.2	<0.2	1.9	1.9					
					Middle	3.7	0.4	168	15.9	15.9	7.9	7.9	32.2	32.2	96.5	96.5	7.9	7.9	13.3	13.3	6	81	81	820560	804924	<0.2	<0.2	1.4	1.4					
						6.4	0.4	167	15.9	15.9	7.9	7.9	33.8	33.8	96.5	96.5	7.8	7.8	13.8	13.8	17	84	81	820560	804924	<0.2	<0.2	1.4	1.4					
						6.4	0.4	172	15.9	15.9																								

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Rainy	Rough	10:30	7.4	Surface	1.0	0.5	247	19.0	19.0	7.9	7.9	27.0	27.0	94.3	94.3	7.5	7.5	7.5	7.5	5	5	77	77	81	822111	808797	<0.2	2.7	<0.2	2.4			
						1.0	0.5	263	19.0	19.0	7.9	7.9	27.0	27.0	94.3	94.3	7.5	7.5	4	4	78	78	<0.2	2.4										
					Middle	3.7	0.6	255	19.0	19.0	7.9	7.9	27.2	27.2	94.4	94.4	7.5	7.5	4	4	82	82	<0.2	2.4										
						3.7	0.6	256	19.0	19.0	7.9	7.9	27.2	27.2	94.4	94.4	7.5	7.5	6	6	82	82	<0.2	2.4										
					Bottom	6.4	0.4	244	18.9	18.9	7.9	7.9	27.8	27.8	95.1	95.1	7.5	7.5	4	4	84	84	<0.2	2.6										
						6.4	0.4	260	18.9	18.9	7.9	7.9	27.8	27.8	95.1	95.1	7.5	7.5	5	5	83	83	<0.2	2.6										
IM10	Rainy	Rough	10:21	7.7	Surface	1.0	0.7	275	19.1	19.1	7.9	7.9	26.8	26.8	94.4	94.4	7.5	7.5	5.3	5.3	3	3	77	77	81	822232	809829	<0.2	2.4	<0.2	2.6			
						1.0	0.7	291	19.1	19.1	7.9	7.9	26.8	26.8	94.4	94.4	7.5	7.5	4	4	78	78	<0.2	2.6										
					Middle	3.9	0.6	254	19.1	19.1	7.9	7.9	27.0	27.0	94.2	94.2	7.4	7.4	4	4	81	81	<0.2	2.7										
						3.9	0.7	273	19.1	19.1	7.9	7.9	26.9	26.9	94.2	94.2	7.4	7.4	4	4	81	81	<0.2	2.6										
					Bottom	6.7	0.6	220	18.9	18.9	7.9	7.9	28.1	28.1	94.9	94.9	7.5	7.5	8	8	84	84	<0.2	2.6										
						6.7	0.6	223	18.9	18.9	7.9	7.9	28.1	28.1	94.9	94.9	7.5	7.5	9	9	84	84	<0.2	2.5										
IM11	Rainy	Moderate	10:09	8.9	Surface	1.0	0.6	275	19.1	19.1	7.9	7.9	27.3	27.3	94.8	94.8	7.5	7.5	5.7	5.7	4	4	78	78	81	821492	810528	<0.2	2.2	<0.2	2.2			
						1.0	0.6	284	19.1	19.1	7.9	7.9	27.3	27.3	94.8	94.8	7.5	7.5	6	6	77	77	<0.2	2.2										
					Middle	4.5	0.5	248	19.0	19.0	7.9	7.9	27.8	27.8	94.8	94.8	7.5	7.5	4	4	81	81	<0.2	2.5										
						4.5	0.5	252	19.0	19.0	7.9	7.9	27.8	27.8	94.8	94.8	7.5	7.5	4	4	81	81	<0.2	2.5										
					Bottom	7.9	0.8	214	18.9	18.9	7.9	7.9	28.1	28.1	95.7	95.7	7.5	7.5	6	6	83	83	<0.2	1.8										
						7.9	0.8	233	18.9	18.9	7.9	7.9	28.1	28.1	95.7	95.7	7.5	7.5	6	6	84	84	<0.2	1.9										
IM12	Rainy	Moderate	10:02	8.6	Surface	1.0	0.7	271	19.1	19.1	7.9	7.9	27.1	27.1	95.1	95.1	7.5	7.5	6.0	6.0	4	4	79	79	81	821149	811512	<0.2	2.5	<0.2	2.6			
						1.0	0.7	294	19.1	19.1	7.9	7.9	27.1	27.1	95.1	95.1	7.5	7.5	4	4	78	78	<0.2	2.6										
					Middle	4.3	0.7	266	19.0	19.0	7.9	7.9	27.7	27.7	94.5	94.5	7.4	7.4	4	4	82	82	<0.2	2.4										
						4.3	0.8	277	19.0	19.0	7.9	7.9	27.8	27.8	94.5	94.5	7.4	7.4	4	4	81	81	<0.2	2.6										
					Bottom	7.6	0.6	253	18.8	18.8	7.9	7.9	28.9	28.9	95.8	95.9	7.5	7.5	9	9	83	83	<0.2	1.5										
						7.6	0.6	261	18.8	18.8	7.9	7.9	28.9	28.9	95.9	95.9	7.5	7.5	10	10	84	84	<0.2	1.7										
SR2	Rainy	Moderate	09:40	4.7	Surface	1.0	0.3	189	18.9	18.9	7.9	7.9	28.6	28.6	94.3	94.3	7.4	7.4	6.4	6.5	4	4	81	80	83	821467	814183	<0.2	2.0	<0.2	2.0			
						1.0	0.3	193	18.9	18.9	7.9	7.9	28.6	28.6	94.3	94.3	7.4	7.4	4	4	80	80	<0.2	2.1										
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-
					Bottom	3.7	0.4	122	18.8	18.8	7.9	7.9	28.9	28.9	95.0	95.0	7.5	7.5	5	5	84	84	<0.2	1.9										
						3.7	0.4	124	18.8	18.8	7.9	7.9	28.9	28.9	95.0	95.0	7.5	7.5	5	5	85	85	<0.2	1.9										
SR3	Rainy	Rough	10:45	9.0	Surface	1.0	0.6	251	19.2	19.2	7.9	7.9	26.0	26.0	95.1	95.1	7.5	7.5	4.7	4.7	2	2	-	-	-	822151	807576	-	-	-	-			
						1.0	0.6	256	19.2	19.2	7.9	7.9	26.0	26.0	95.1	95.1	7.5	7.5	4	4	-	-	-	-										
					Middle	4.5	0.5	225	19.1	19.1	7.9	7.9	26.6	26.6	94.8	94.8	7.5	7.5	6	6	-	-	-	-										
						4.5	0.6	226	19.1	19.1	7.9	7.9	26.6	26.6	94.8	94.8	7.5	7.5	7	7	-	-	-	-										
					Bottom	8.0	1.1	156	19.0	19.0	7.9	7.9	27.5	27.5	96.4	96.5	7.6	7.6	9	9	-	-	-	-										
						8.0	1.1	162	19.0	19.0	7.9	7.9	27.5	27.5	96.6	96.6	7.6	7.6	4.9	4.9	11	11	-	-										
SR4A	Rainy	Moderate	09:56	9.0	Surface	1.0	0.4	248	15.8	15.8	7.8	7.8	31.8	31.8	95.8	95.8	7.8	7.8	5.9	5.9	8	8	-	-	-	817185	807802	-	-	-	-			
						1.0	0.4	268	15.8	15.8	7.8	7.8	31.8	31.8	95.8	95.8	7.8	7.8	9	9	-	-												
					Middle	4.5	0.3	249	15.7	15.7	7.8	7.8	31.9	31.9	95.6	95.6	7.8	7.8	10	10	-	-												
						4.5	0.4	269	15.7	15.7	7.8	7.8	31.9	31.9	95.6	95.6	7.8	7.8	5.9	5.9	12	12	-	-										
					Bottom	8.0	0.3	232	15.6	15.6	7.8	7.8	32.3	32.3	96.0	96.0	7.8	7.8	6.4	6.4	13	13	-	-										
						8.0	0.3	244	15.6	15.6	7.8	7.8	32.3	32.3	96.0	96.0	7.8	7.8	6.2	6.2	12	12	-	-										
SR5A	Rainy	Calm	09:39	4.1	Surface	1.0	0.2	217	15.9	15.9	7.7	7.7	31.2	31.2	96.2	96.2	7.9	7.9	8.8	8.8	10	10	-	-	-	816609	810677	-	-	-	-			
						1.0	0.2	222	15.9	15.9	7.7	7.7	31.2	31.2	96.2	96.2	7.9	7.9	8.8	8.8	12	12	-	-										
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-		
					Bottom	3.1	0.2	221	15.9	15.9	7.7	7.7	31.3	31.3	96.6	96.6	7.9	7.9	9.1	9.1	14	14	-	-										
						3.1	0.2	224	15.9	15.9	7.7	7.7	31.3	31.3	96.6	96.6	7.9	7.9	9.1	9.1	15	15	-	-										
SR6	Rainy	Moderate	08:51	4.1	Surface	1.0	0.2	224	15.8	15.8	7.7	7.7	27.4	27.4	95.0	95.0	8.0	8.0	13.8	13.8	19	19	-	-	-	817904	814649	-	-	-	-			
						1.0	0.2	246	15.8	15.8	7.7	7.7	27.4	27.4	95.0	95.0	8.0	8.0	13.8	13.8	20	20	-	-										
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-		
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-			
					Bottom	3.1	0.1	214	15.8	15.8	7.7	7.7	26.3	26.3	96.3	96.3	8.1	8.1	11.6	11.6	18	18	-	-										
						3.1	0.1	226	15.8	15.8	7.7	7.7	26.2	26.3	96.3	96.3	8.1	8.1	11.6	11.6	18	18	-	-										
SR7	Rainy	Moderate	08:47	16.7	Surface	1.0	0.2	190	18.7	18.7	7.9	7.9	29.7	29.7	92.8	92.8	7.3	7.3	4.0	4.0	4	4	-	-	-	823640	823757	-	-	-	-			
						1.0	0.2	205	18.7	18.7	7.9	7.9	29.7	29.7	92.7	92.7	7.3	7.3	4.0	4.0	4	4	-	-										
					Middle	8.4	0.4	212	18.5	18.5	7.9	7.9	30.3	30.3	90.5	90.5	7.1	7.1	4.5	4.5	5	5	-	-										
						8.4	0.4	233	18.5	18.5	7.9	7.9	30.3	30.3	90.4	90.4	7.1	7.1	4.4	4.4	5	5	-	-										

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Rainy	Moderate	16:41	8.9	Surface	1.0	0.3	129	15.8	15.8	7.9	7.9	34.2	34.3	98.4	98.4	7.9	7.9	4.3	4.3	5	5	79	79	81	815620	804227	<0.2	0.7	<0.2	0.6
						1.0	0.3	131	15.8	7.9	7.9	34.3	34.3	98.3	98.4	7.9	7.9	4.3	4.3	5	5	78	78								
					Middle	4.5	0.3	155	15.6	15.6	7.8	7.8	34.4	34.5	97.3	97.3	7.9	7.9	4.8	4.8	5	5	80	80							
						4.5	0.3	168	15.6	15.6	7.8	7.8	34.5	34.5	97.3	97.3	7.9	7.9	4.8	4.8	4	4	82	82							
					Bottom	7.9	0.3	169	15.4	15.4	7.8	7.8	34.7	34.7	97.1	97.1	7.9	7.9	6.2	6.2	6	6	82	82							
						7.9	0.3	173	15.4	15.4	7.8	7.8	34.7	34.7	97.1	97.1	7.9	7.9	6.2	6.2	5	5	84	84							
C2	Rainy	Rough	15:31	12.4	Surface	1.0	0.2	141	19.2	19.2	7.8	7.8	25.6	25.6	92.7	92.7	7.4	7.4	4.8	4.8	4	4	75	75	80	825678	806928	<0.2	3.3	<0.2	3.2
						1.0	0.2	143	19.2	19.2	7.8	7.8	25.6	25.6	92.7	92.7	7.4	7.4	4.8	4.8	4	4	76	76							
					Middle	6.2	0.2	137	18.9	18.9	7.8	7.8	28.2	28.2	92.0	92.0	7.2	7.2	5.5	5.5	2	2	81	81							
						6.2	0.2	143	18.9	18.9	7.8	7.8	28.2	28.2	92.0	92.0	7.2	7.2	5.5	5.5	3	3	81	81							
					Bottom	11.4	0.3	208	18.9	18.9	7.8	7.8	28.5	28.5	91.8	91.8	7.2	7.2	9.0	9.0	3	3	84	84							
						11.4	0.3	227	18.9	18.9	7.8	7.8	28.5	28.5	91.8	91.8	7.2	7.2	9.1	9.1	3	3	83	83							
C3	Rainy	Moderate	17:33	12.8	Surface	1.0	0.2	166	18.7	18.7	7.9	7.9	29.8	29.8	93.3	93.3	7.3	7.3	4.3	4.3	3	3	81	81	83	822112	817794	<0.2	1.3	<0.2	1.5
						1.0	0.3	181	18.7	18.7	7.9	7.9	29.8	29.8	93.3	93.3	7.3	7.3	4.3	4.3	4	4	80	80							
					Middle	6.4	0.2	107	18.6	18.6	7.9	7.9	30.1	30.1	91.3	91.3	7.1	7.1	4.3	4.3	4	4	82	82							
						6.4	0.2	107	18.6	18.6	7.9	7.9	30.1	30.1	91.2	91.3	7.1	7.1	4.3	4.3	2	2	83	83							
					Bottom	11.8	0.3	136	18.5	18.5	7.9	7.9	30.6	30.6	91.7	91.7	7.2	7.2	4.8	4.8	5	5	85	85							
						11.8	0.3	144	18.5	18.5	7.9	7.9	30.6	30.6	91.7	91.7	7.2	7.2	4.8	4.8	6	6	84	84							
IM1	Rainy	Moderate	16:22	7.8	Surface	1.0	0.3	173	16.1	16.1	7.9	7.9	33.7	33.7	98.8	98.8	7.9	7.9	3.9	3.9	5	5	80	80	81	818349	806463	<0.2	0.9	<0.2	0.9
						1.0	0.3	189	16.1	16.1	7.9	7.9	33.7	33.7	98.7	98.8	7.9	7.9	3.9	3.9	4	4	78	78							
					Middle	3.9	0.3	138	16.0	16.0	7.9	7.9	33.8	33.8	98.0	98.0	7.9	7.9	4.9	4.9	3	3	82	82							
						3.9	0.4	139	16.0	16.0	7.9	7.9	33.8	33.8	98.0	98.0	7.9	7.9	4.9	4.9	3	3	81	81							
					Bottom	6.8	0.3	150	15.8	15.8	7.9	7.9	34.2	34.2	97.5	97.5	7.9	7.9	6.9	6.9	3	3	83	83							
						6.8	0.3	159	15.8	15.8	7.9	7.9	34.2	34.2	97.5	97.5	7.9	7.9	6.9	6.9	4	4	84	84							
IM2	Rainy	Moderate	16:16	8.6	Surface	1.0	0.3	172	16.0	16.0	7.9	7.9	33.5	33.5	98.8	98.8	8.0	8.0	3.2	3.2	6	6	79	79	81	818855	806192	<0.2	0.9	<0.2	1.0
						1.0	0.4	179	16.0	16.0	7.9	7.9	33.5	33.5	98.7	98.8	7.9	7.9	3.2	3.2	4	4	77	77							
					Middle	4.3	0.4	109	15.9	15.9	7.9	7.9	33.7	33.7	97.8	97.8	7.9	7.9	3.7	3.7	4	4	80	80							
						4.3	0.4	112	15.9	15.9	7.9	7.9	33.7	33.7	97.7	97.8	7.9	7.9	3.8	3.8	6	6	80	80							
					Bottom	7.6	0.3	131	15.8	15.8	7.9	7.9	34.1	34.1	97.5	97.5	7.9	7.9	5.7	5.7	8	8	83	83							
						7.6	0.3	136	15.8	15.8	7.9	7.9	34.1	34.1	97.5	97.5	7.9	7.9	5.8	5.8	8	8	84	84							
IM3	Rainy	Moderate	16:09	8.8	Surface	1.0	0.4	93	16.0	16.0	7.9	7.9	33.5	33.5	98.2	98.2	7.9	7.9	3.3	3.3	3	3	77	77	81	819419	806023	<0.2	0.9	<0.2	0.8
						1.0	0.4	95	16.0	16.0	7.9	7.9	33.5	33.5	98.2	98.2	7.9	7.9	3.3	3.3	4	4	79	79							
					Middle	4.4	0.4	107	15.8	15.8	7.9	7.9	33.9	33.9	97.0	97.0	7.8	7.8	6.0	6.0	2	2	81	81							
						4.4	0.4	108	15.8	15.8	7.9	7.9	33.9	33.9	97.0	97.0	7.8	7.8	6.0	6.0	3	3	80	80							
					Bottom	7.8	0.3	140	15.8	15.8	7.9	7.9	34.3	34.3	97.1	97.1	7.8	7.8	7.6	7.6	7	7	84	84							
						7.8	0.3	147	15.8	15.8	7.9	7.9	34.3	34.3	97.1	97.1	7.8	7.8	7.5	7.5	5	5	84	84							
IM4	Rainy	Moderate	16:00	8.1	Surface	1.0	0.4	160	16.0	16.0	7.9	7.9	33.4	33.4	97.8	97.8	7.9	7.9	4.0	4.0	5	5	79	79	81	819569	805020	<0.2	1.1	<0.2	1.3
						1.0	0.4	168	16.0	16.0	7.9	7.9	33.4	33.4	97.8	97.8	7.9	7.9	4.0	4.0	4	4	77	77							
					Middle	4.1	0.3	168	15.8	15.8	7.9	7.9	33.8	33.8	97.1	97.1	7.8	7.8	6.0	6.0	6	6	81	81							
						4.1	0.3	180	15.8	15.8	7.9	7.9	33.8	33.8	97.1	97.1	7.8	7.8	6.0	6.0	4	4	80	80							
					Bottom	7.1	0.3	184	15.8	15.8	7.9	7.9	34.1	34.1	97.1	97.1	7.8	7.8	7.4	7.4	9	9	84	84							
						7.1	0.3	192	15.8	15.8	7.9	7.9	34.1	34.1	97.1	97.1	7.8	7.8	7.4	7.4	9	9	84	84							
IM5	Rainy	Moderate	15:52	7.2	Surface	1.0	0.3	163	16.2	16.2	7.8	7.8	32.2	32.2	97.8	97.8	7.9	7.9	4.1	4.1	5	5	78	78	80	820562	804905	<0.2	1.3	<0.2	1.2
						1.0	0.4	176	16.2	16.2	7.8	7.8	32.2	32.2	97.8	97.8	7.9	7.9	4.1	4.1	3	3	78	78							
					Middle	3.6	0.3	146	15.8	15.8	7.9	7.9	33.9	33.9	96.4	96.4	7.8	7.8	10.7	10.7	6	6	80	80							
						3.6	0.3	155	15.8	15.8	7.9	7.9	33.9	33.9	96.4	96.4	7.8	7.8	10.7	10.7	6	6	78	78							
					Bottom	6.2	0.3	118	15.8	15.8	7.9	7.9	34.2	34.2	96.8	96.8	7.8	7.8	12.7	12.7	16	16	83	83							
						6.2	0.3	123	15.8	15.8	7.9	7.9	34.2	34.2	96.8	96.8	7.8	7.8	12.7	12.7	16	16	84	84							
IM6	Rainy	Moderate	15:44	7.3	Surface	1.0	0.3	162	16.1	16.1	7.9	7.9	32.5	32.5	97.3	97.3	7.9	7.9	4.3	4.3	6	6	76	76	80	821041	805835	<0.2	1.2	<0.2	1.1
						1.0	0.4	178	16.1	16.1	7.9	7.9	32.5	32.5	97.3	97.3	7.9	7.9	4.3	4.3	7	7	76	76							
					Middle	3.7	0.3	165	16.1	16.1	7.9	7.9	32.7	32.7	96.7	96.7	7.8	7.8	7.4	7.4	7	7	81	81							
						3.7	0.4	181	16.1	16.1	7.9	7.9	32.7	32.7	96.7	96.7	7.8	7.8	7.4	7.4	5	5	80	80							
					Bottom	6.3	0.3	196	15.8	15.8	7.9	7.9	34.1	34.1	96.3	96.3	7.8	7.8	10.9	10.9	15	15	84	84							
						6.3	0.4	207	15.8	15.8	7.9	7.9	34.1	34.1	96.3	96.3	7.8	7.8	10.9	10.9	15	15	84	84							
IM7	Rainy	Moderate	15:35	8.5	Surface	1.0	0.3	141	16.3	16.3	7.8	7.8	29.7	29.7	96.5	96.5	7.9	7.9	3.7	3.7	6	6	77	77	81	821356	806819	<0.2	1.8	<0.2	2.0
						1.0	0.3	142	16.3	16.3	7.8	7.8	29.7	29.7	96.5	96.5	7.9	7.9	3.7	3.7	4	4	78	78							
					Middle	4.3	0.4	66	16.0	16.0	7.8	7.8	31.0	31.0	96.9																

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
									Value	Value	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	Rainy	Rough	16:12	7.5	Surface	1.0	0.3	169	19.2	19.2	8.0	8.0	27.2	27.2	96.9	96.9	7.6	7.6	5.8	7.6	4	77	81	81	822108	808823	<0.2	<0.2	2.0							
						1.0	0.3	184	19.2	19.2	8.0	8.0	27.2	27.2	96.8	96.9	7.6	7.6	5.8	7.6	5	77	81	81					1.7							
					Middle	3.8	0.3	148	19.0	19.0	7.9	7.9	28.3	28.3	96.3	96.3	7.6	7.6	7.5	7.5	6	81	82	82					1.8							
						3.8	0.3	158	19.0	19.0	7.9	7.9	28.3	28.3	96.3	96.3	7.6	7.6	7.5	7.5	5	82	83	83					1.8							
					Bottom	6.5	0.3	139	18.8	18.8	8.0	8.0	30.1	30.1	96.7	96.7	7.5	7.5	11.8	11.8	6	82	83	83					1.4							
						6.5	0.3	148	18.8	18.8	8.0	8.0	30.1	30.1	96.7	96.7	7.5	7.5	11.8	11.8	5	84	84	84					1.2							
IM10	Rainy	Rough	16:24	7.3	Surface	1.0	0.3	166	19.1	19.1	7.9	7.9	27.9	27.9	94.8	94.8	7.5	7.5	6.6	7.5	5	78	81	81	822257	809826	<0.2	<0.2	1.7							
						1.0	0.3	169	19.1	19.1	7.9	7.9	27.9	27.9	94.8	94.8	7.4	7.4	6.6	7.4	5	77	81	81					1.7							
					Middle	3.7	0.3	146	18.8	18.8	8.0	8.0	28.8	28.8	93.7	93.7	7.4	7.4	8.6	8.6	3	82	81	81					1.8							
						3.7	0.3	159	18.8	18.8	8.0	8.0	28.8	28.8	93.7	93.7	7.4	7.4	8.7	8.7	4	81	83	83					1.5							
					Bottom	6.3	0.3	146	18.8	18.8	8.0	8.0	29.1	29.1	93.8	93.8	7.4	7.4	12.5	12.5	4	83	83	83					2.2							
						6.3	0.4	148	18.8	18.8	8.0	8.0	29.1	29.1	93.8	93.8	7.4	7.4	12.6	12.6	5	84	84	84					1.4							
IM11	Rainy	Rough	16:34	8.4	Surface	1.0	0.3	142	19.1	19.1	7.9	7.9	28.2	28.2	96.1	96.1	7.5	7.5	6.1	7.5	4	78	81	81	821481	810558	<0.2	<0.2	1.9							
						1.0	0.3	149	19.1	19.1	7.9	7.9	28.2	28.2	96.1	96.1	7.5	7.5	6.1	7.5	4	77	81	81					1.7							
					Middle	4.2	0.4	128	19.0	19.0	7.9	7.9	28.4	28.4	95.5	95.5	7.5	7.5	6.7	6.7	6	81	82	82					2.0							
						4.2	0.4	139	19.0	19.0	7.9	7.9	28.4	28.4	95.5	95.5	7.5	7.5	6.7	6.7	6	82	83	83					1.9							
					Bottom	7.4	0.3	125	18.8	18.8	8.0	8.0	29.6	29.6	95.9	95.9	7.5	7.5	9.7	9.7	9	83	84	84					1.9							
						7.4	0.3	131	18.8	18.8	8.0	8.0	29.6	29.6	96.0	96.0	7.5	7.5	9.7	9.7	8	84	84	84					1.7							
IM12	Rainy	Moderate	16:44	8.8	Surface	1.0	0.3	131	19.0	19.0	7.9	7.9	28.5	28.5	95.2	95.2	7.5	7.5	7.1	7.5	7	78	82	82	821175	811520	<0.2	<0.2	1.6							
						1.0	0.3	138	19.0	19.0	7.9	7.9	28.5	28.5	95.2	95.2	7.5	7.5	7.0	7.5	7	79	82	82					1.4							
					Middle	4.4	0.4	111	18.9	18.9	8.0	8.0	28.8	28.8	94.0	94.0	7.4	7.4	11.0	11.0	11	82	82	82					1.6							
						4.4	0.4	113	18.9	18.9	8.0	8.0	28.8	28.8	94.0	94.0	7.4	7.4	11.0	11.0	12	82	84	84					1.5							
					Bottom	7.8	0.3	120	18.9	18.9	7.9	7.9	28.8	28.8	95.7	95.7	7.5	7.5	10.4	10.4	12	84	84	84					1.7							
						7.8	0.4	121	18.9	18.9	7.9	7.9	28.8	28.8	95.8	95.8	7.5	7.5	10.4	10.4	12	84	84	84					1.5							
SR2	Rainy	Moderate	17:11	5.3	Surface	1.0	0.2	116	18.9	18.9	7.9	7.9	28.9	28.9	94.7	94.7	7.4	7.4	6.7	7.4	7	81	82	82	821473	814151	<0.2	<0.2	1.6							
						1.0	0.2	123	18.9	18.9	7.9	7.9	28.9	28.9	94.7	94.7	7.4	7.4	6.7	7.4	8	80	84	84					1.6							
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-
					Bottom	4.3	0.2	115	18.8	18.8	7.9	7.9	29.4	29.4	95.3	95.3	7.5	7.5	6.9	6.9	10	84	84	84					1.2							
						4.3	0.3	117	18.8	18.8	7.9	7.9	29.4	29.4	95.3	95.3	7.5	7.5	6.9	6.9	12	84	84	84					1.2							
SR3	Rainy	Rough	15:54	9.3	Surface	1.0	0.3	152	19.3	19.3	7.9	7.9	25.7	25.7	98.0	98.0	7.8	7.8	4.8	7.8	6	-	-	-	822157	807587	-	-	-							
						1.0	0.3	155	19.3	19.3	7.9	7.9	25.7	25.7	98.0	98.0	7.8	7.8	4.9	7.8	6	-	-	-					-							
					Middle	4.7	0.4	62	18.9	18.9	7.9	7.9	28.6	28.6	98.4	98.4	7.7	7.7	7.0	7.7	6	-	-	-					-							
						4.7	0.5	62	18.9	18.9	7.9	7.9	28.6	28.6	98.4	98.4	7.7	7.7	7.1	7.7	4	-	-	-					-							
					Bottom	8.3	0.3	101	18.8	18.8	7.9	7.9	30.2	30.2	98.1	98.1	7.6	7.6	8.0	7.6	7	-	-	-					-							
						8.3	0.3	108	18.8	18.8	7.9	7.9	30.2	30.2	98.1	98.1	7.6	7.6	8.0	7.6	9	-	-	-					-							
SR4A	Rainy	Moderate	17:04	9.3	Surface	1.0	0.3	139	16.0	16.0	7.8	7.8	33.5	33.5	98.0	98.0	7.9	7.9	5.4	7.9	7	-	-	-	817183	807813	-	-	-							
						1.0	0.3	152	16.0	16.0	7.8	7.8	33.5	33.5	98.0	98.0	7.9	7.9	5.4	7.9	8	-	-	-					-							
					Middle	4.7	0.3	113	15.8	15.8	7.8	7.8	33.8	33.8	97.5	97.5	7.9	7.9	6.0	7.9	10	-	-	-					-							
						4.7	0.3	118	15.8	15.8	7.8	7.8	33.8	33.8	97.5	97.5	7.9	7.9	6.0	7.9	10	-	-	-					-							
					Bottom	8.3	0.3	122	15.7	15.7	7.8	7.8	34.1	34.1	97.6	97.6	7.9	7.9	7.1	7.9	8	-	-	-					-							
						8.3	0.3	125	15.7	15.7	7.8	7.8	34.1	34.1	97.6	97.6	7.9	7.9	7.0	7.9	8	-	-	-					-							
SR5A	Rainy	Calm	17:20	4.0	Surface	1.0	0.2	240	16.2	16.2	7.7	7.7	32.6	32.6	95.9	95.9	7.7	7.7	7.9	7.7	8	-	-	-	816600	810712	-	-	-							
						1.0	0.2	249	16.2	16.2	7.7	7.7	32.6	32.6	95.9	95.9	7.7	7.7	8.0	7.7	9	-	-	-					-							
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	
					Bottom	3.0	0.2	167	16.0	16.0	7.7	7.7	32.9	32.9	96.5	96.5	7.8	7.8	9.1	7.8	12	-	-	-					-							
						3.0	0.2	175	16.0	16.0	7.7	7.7	32.9	32.9	96.5	96.5	7.8	7.8	9.1	7.8	10	-	-	-					-							
SR6	Rainy	Calm	17:43	4.2	Surface	1.0	0.2	110	16.1	16.1	7.7	7.7	32.1	32.1	95.6	95.6	7.8	7.8	8.5	7.8	12	-	-	-	817885	814645	-	-	-							
						1.0	0.2	119	16.1	16.1	7.7	7.7	32.1	32.1	95.6	95.6	7.8	7.8	8.5	7.8	11	-	-	-					-							
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-		
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-		
					Bottom	3.2	0.2	111	16.0	16.0	7.7	7.7	32.4	32.4	96.3	96.3	7.8	7.8	8.1	7.8	10	-	-	-					-							
						3.2	0.2	112	16.0	16.0	7.7	7.7	32.4	32.4	96.3	96.3	7.8	7.8	8.1	7.8	10	-	-	-					-							
SR7	Rainy	Moderate	18:06	16.4	Surface	1.0	0.3	84	18.7	18.7	7.9	7.9	30.1	30.1	92.9	92.9	7.3	7.3	3.8	7.3	4	-	-	-	823616	823734	-	-	-							
						1.0	0.4	85	18.7	18.7	7.9	7.9	30.1	30.1	92.9	92.9	7.3	7.																		

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Sunny	Calm	06:23	8.2	Surface	1.0	0.3	205	17.1	17.1	7.7	7.7	27.1	27.1	100.7	100.7	8.2	8.1	2.5	3	79	81	81	81	81	815608	804264	<0.2	1.7	<0.2	1.5				
						1.0	0.3	223	17.1	17.1	7.7	7.7	27.1	27.1	100.7	100.7	8.3	8.1	2.5	4	80	81	81	81				<0.2	0.9						
					Middle	4.1	0.3	171	16.6	16.6	7.7	7.7	31.6	31.6	98.2	98.2	7.9	7.9	3.4	6	81	81	81	81				81	81	<0.2	0.7	<0.2	0.5		
						4.1	0.3	177	16.6	16.6	7.7	7.7	31.6	31.6	98.2	98.2	7.9	7.9	3.4	5	81	81	81	81				81	81	<0.2	0.7	<0.2	0.5		
					Bottom	7.2	0.3	201	15.5	15.5	7.7	7.7	32.9	32.9	97.5	97.5	8.0	8.0	4.3	5	82	82	82	82				82	82	82	82	<0.2	0.4	<0.2	0.4
						7.2	0.3	205	15.5	15.5	7.7	7.7	32.9	32.9	97.5	97.5	8.0	8.0	4.3	5	82	82	82	82				82	82	82	82	<0.2	0.4	<0.2	0.4
C2	Sunny	Moderate	07:46	12.2	Surface	1.0	0.2	211	20.0	20.0	7.8	7.8	21.5	21.5	93.9	93.9	7.5	7.3	4.3	4	77	76	80	80	80	825674	806960	<0.2	4.4	<0.2	4.5				
						1.0	0.2	214	19.4	19.4	7.9	7.9	28.3	28.3	91.6	91.6	7.1	7.1	5.4	4	82	81	81	81				<0.2	4.9						
					Middle	6.1	0.2	226	19.4	19.4	7.9	7.9	29.3	29.3	91.5	91.5	7.1	7.1	5.5	3	81	81	81	81				81	81	<0.2	4.9	<0.2	4.5		
						6.1	0.2	229	19.0	19.0	7.9	7.9	29.2	29.2	89.8	89.8	7.0	7.0	7.5	3	83	83	83	83				83	83	<0.2	4.5	<0.2	4.7		
					Bottom	11.2	0.2	229	19.0	19.0	7.9	7.9	29.2	29.2	89.9	89.9	7.0	7.0	7.5	4	83	83	83	83				83	83	83	83	<0.2	4.7	<0.2	4.7
						11.2	0.2	251	19.0	19.0	7.9	7.9	29.2	29.2	89.9	89.9	7.0	7.0	7.5	4	83	83	83	83				83	83	83	83	<0.2	4.7	<0.2	4.7
C3	Sunny	Moderate	05:31	12.3	Surface	1.0	0.2	125	20.1	20.1	7.9	7.9	26.2	26.2	96.7	96.7	7.5	7.4	3.5	4	79	79	82	82	82	822106	817811	<0.2	2.3	<0.2	2.4				
						1.0	0.2	125	20.1	20.1	7.9	7.9	26.2	26.2	96.6	96.6	7.5	7.4	3.5	3	79	79	82	82				82	82	<0.2	2.3				
					Middle	6.2	0.2	120	19.2	19.2	7.9	7.9	29.2	29.2	93.7	93.7	7.3	7.3	3.4	4	82	81	81	81				81	81	<0.2	2.0	<0.2	1.9		
						6.2	0.2	130	19.2	19.2	7.9	7.9	29.2	29.2	93.6	93.6	7.3	7.3	3.4	3	81	81	81	81				81	81	<0.2	1.9	<0.2	1.9		
					Bottom	11.3	0.2	149	19.0	19.0	7.9	7.9	30.0	30.0	94.0	94.0	7.3	7.3	3.7	4	84	84	84	84				84	84	84	84	<0.2	1.9	<0.2	1.9
						11.3	0.2	151	19.0	19.0	7.9	7.9	30.0	30.0	94.0	94.0	7.3	7.3	3.7	5	84	84	84	84				84	84	84	84	<0.2	1.9	<0.2	1.9
IM1	Sunny	Calm	06:44	7.5	Surface	1.0	0.2	184	17.0	17.0	7.7	7.7	27.2	27.2	100.1	100.1	8.2	8.2	2.2	3	79	79	81	81	81	818346	806441	<0.2	3.0	<0.2	3.1				
						1.0	0.3	184	17.0	17.0	7.7	7.7	27.2	27.2	100.1	100.1	8.2	8.2	2.2	4	79	79	81	81				81	81	<0.2	1.6				
					Middle	3.8	0.3	191	16.6	16.6	7.7	7.7	29.6	29.6	99.8	99.8	8.1	8.1	2.7	4	81	81	81	81				81	81	<0.2	1.8	<0.2	1.8		
						3.8	0.3	207	16.6	16.6	7.7	7.7	29.6	29.6	99.8	99.8	8.1	8.1	2.7	6	81	81	81	81				81	81	<0.2	1.0	<0.2	1.0		
					Bottom	6.5	0.2	161	15.9	15.9	7.7	7.7	32.4	32.4	98.3	98.3	8.0	8.0	5.2	5	82	82	82	82				82	82	82	82	<0.2	1.0	<0.2	1.0
						6.5	0.3	164	15.9	15.9	7.7	7.7	32.4	32.4	98.3	98.3	8.0	8.0	5.2	6	82	82	82	82				82	82	82	82	<0.2	1.0	<0.2	1.0
IM2	Sunny	Moderate	06:50	8.3	Surface	1.0	0.3	193	17.7	17.7	7.6	7.6	22.3	22.4	98.9	99.0	8.2	8.2	2.5	3	81	80	82	82	82	818848	806198	<0.2	3.3	<0.2	3.3				
						1.0	0.3	200	17.7	17.7	7.6	7.6	22.4	22.4	99.0	99.0	8.2	8.2	2.5	3	80	80	82	82				82	82	<0.2	3.3				
					Middle	4.2	0.3	200	16.1	16.1	7.7	7.7	30.2	30.2	98.7	98.7	8.1	8.1	2.8	5	81	81	81	81				81	81	<0.2	1.2	<0.2	1.2		
						4.2	0.3	201	16.1	16.1	7.7	7.7	30.2	30.2	98.7	98.7	8.1	8.1	2.8	5	81	81	81	81				81	81	<0.2	1.2	<0.2	1.2		
					Bottom	7.3	0.3	182	15.7	15.7	7.7	7.7	32.7	32.7	97.8	97.8	8.0	8.0	4.6	6	83	82	82	82				82	82	82	82	<0.2	0.9	<0.2	1.0
						7.3	0.4	192	15.7	15.7	7.7	7.7	32.7	32.7	97.8	97.8	8.0	8.0	4.6	6	82	82	82	82				82	82	82	82	<0.2	1.0	<0.2	1.0
IM3	Sunny	Moderate	06:57	8.4	Surface	1.0	0.4	214	17.3	17.3	7.6	7.6	20.1	20.1	98.1	98.1	8.4	8.3	2.9	5	80	81	82	82	82	819415	805999	<0.2	1.0	<0.2	0.9				
						1.0	0.4	226	17.3	17.3	7.6	7.6	20.1	20.1	98.1	98.1	8.4	8.3	2.9	4	81	81	82	82				82	82	<0.2	1.8				
					Middle	4.2	0.3	182	16.0	16.0	7.7	7.7	29.3	29.3	98.1	98.1	8.1	8.1	4.5	7	82	82	82	82				82	82	<0.2	1.8	<0.2	1.8		
						4.2	0.3	199	16.0	16.0	7.7	7.7	29.3	29.3	98.1	98.1	8.1	8.1	4.5	8	82	82	82	82				82	82	<0.2	1.8	<0.2	1.8		
					Bottom	7.4	0.3	164	15.6	15.6	7.7	7.7	32.9	32.9	97.1	97.1	7.9	7.9	5.7	10	83	83	83	83				83	83	83	83	<0.2	1.5	<0.2	1.5
						7.4	0.3	170	15.6	15.6	7.7	7.7	32.9	32.9	97.1	97.1	7.9	7.9	5.7	10	82	82	82	82				82	82	82	82	<0.2	1.4	<0.2	1.4
IM4	Sunny	Moderate	07:04	7.8	Surface	1.0	0.3	204	16.9	16.9	7.7	7.7	21.0	21.0	98.1	98.1	8.4	8.2	3.1	4	80	80	83	83	83	819589	805042	<0.2	1.4	<0.2	1.6				
						1.0	0.3	204	16.9	16.9	7.7	7.7	21.0	21.0	98.1	98.1	8.4	8.2	3.1	3	80	80	83	83				83	83	<0.2	2.7				
					Middle	3.9	0.3	185	16.0	16.0	7.7	7.7	29.5	29.5	97.4	97.4	8.0	8.0	3.7	4	83	83	83	83				83	83	<0.2	2.8	<0.2	2.8		
						3.9	0.3	187	16.0	16.0	7.7	7.7	29.5	29.5	97.4	97.4	8.0	8.0	3.7	4	83	83	83	83				83	83	<0.2	1.3	<0.2	1.3		
					Bottom	6.8	0.3	157	15.6	15.6	7.7	7.7	32.9	32.9	96.1	96.1	7.8	7.8	3.5	7	84	84	84	84				84	84	84	84	<0.2	1.3	<0.2	1.4
						6.8	0.3	169	15.6	15.6	7.7	7.7	32.9	32.9	96.1	96.1	7.8	7.8	3.5	6	84	84	84	84				84	84	84	84	<0.2	1.4	<0.2	1.4
IM5	Sunny	Moderate	07:13	6.9	Surface	1.0	0.3	210	17.0	17.0	7.6	7.6	17.0	17.0	95.6	95.6	8.4	8.2	2.9	4	80	79	82	82	81	820570	804930	<0.2	4.3	<0.2	4.5				
						1.0	0.3	230	17.0	17.0	7.6	7.6	17.0	17.0	95.6	95.6	8.4	8.2	2.9	3	79	79	82	82				82	82	<0.2	2.6				
					Middle	3.5	0.3	189	16.3	16.3	7.7	7.7	28.6	28.6	96.3	96.3	7.9	7.9	4.3	4	81	81	81	81				81	81	<0.2	2.6	<0.2	2.6		
						3.5	0.3	201	16.3	16.3	7.7	7.7	28.6	28.6	96.3	96.3	7.9	7.9	4.3	3	82	82	82	82				82	82	<0.2	2.6	<0.2	2.6		
					Bottom	5.9	0.3	189	15.6	15																									

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA							
IM9	Sunny	Moderate	06:47	8.3	Surface	1.0	0.2	201	20.1	20.1	7.8	7.8	21.4	21.4	93.2	93.3	7.5	7.5	4.0	4.0	3	3	77	77	822100	808818	81	<0.2	<0.2	2.4							
						1.0	0.3	205	20.1	20.1	7.8	7.8	21.4	21.4	93.3	93.3	7.5	7.5	4.1	4.1	3	3	77	77													
					Middle	4.2	0.2	191	19.8	19.8	7.9	7.9	25.5	25.5	95.5	95.6	7.5	7.5	4.4	4.4	3	3	81	81							81	81					
						4.2	0.2	201	19.8	19.8	7.9	7.9	25.5	25.5	95.6	95.6	7.5	7.5	4.4	4.4	3	3	81	81							81	81					
					Bottom	7.3	0.2	175	19.3	19.3	8.0	8.0	28.0	28.0	95.1	95.1	7.4	7.4	5.3	5.3	3	3	83	83							84	84					
						7.3	0.2	178	19.3	19.3	8.0	8.0	28.0	28.0	95.1	95.1	7.4	7.4	5.3	5.3	3	3	84	84							84	84					
IM10	Sunny	Moderate	06:33	7.8	Surface	1.0	0.3	170	20.3	20.3	7.8	7.8	23.4	23.4	94.4	94.4	7.4	7.4	4.2	4.2	2	2	77	77	822223	809822	81	<0.2	<0.2	1.8							
						1.0	0.3	173	20.3	20.3	7.8	7.8	23.3	23.4	94.4	94.4	7.5	7.4	4.2	4.2	2	2	77	77													
					Middle	3.9	0.3	131	19.6	19.6	7.9	7.9	26.4	26.4	93.7	93.7	7.4	7.4	4.6	4.6	2	2	81	81							81	81					
						3.9	0.3	133	19.6	19.6	7.9	7.9	26.4	26.4	93.7	93.7	7.4	7.4	4.6	4.6	3	3	82	82							82	82					
					Bottom	6.8	0.2	157	19.3	19.3	8.0	8.0	28.4	28.4	94.0	94.0	7.3	7.3	8.7	8.7	4	4	84	84							84	84					
						6.8	0.3	164	19.3	19.3	8.0	8.0	28.4	28.4	94.0	94.0	7.3	7.3	8.7	8.7	4	4	84	84							84	84					
IM11	Sunny	Moderate	06:19	9.4	Surface	1.0	0.3	167	20.2	20.2	7.9	7.9	21.9	21.9	94.6	94.6	7.5	7.5	4.8	4.8	2	2	78	78	821506	810562	82	<0.2	<0.2	2.1							
						1.0	0.3	174	20.1	20.1	7.9	7.9	21.9	21.9	94.6	94.6	7.5	7.5	4.8	4.8	2	2	79	79													
					Middle	4.7	0.3	130	19.6	19.6	8.0	8.0	26.7	26.7	93.3	93.3	7.3	7.3	5.4	5.4	2	2	82	82							82	82					
						4.7	0.3	136	19.6	19.6	8.0	8.0	26.7	26.7	93.3	93.3	7.3	7.3	5.4	5.4	2	2	83	83							83	83					
					Bottom	8.4	0.2	208	19.3	19.3	7.9	7.9	29.0	29.0	92.8	92.8	7.2	7.2	6.1	6.1	3	3	84	84							84	84					
						8.4	0.2	208	19.3	19.3	7.9	7.9	29.0	29.0	92.8	92.8	7.2	7.2	6.1	6.1	4	4	84	84							84	84					
IM12	Sunny	Moderate	06:11	8.9	Surface	1.0	0.3	135	20.5	20.5	7.8	7.8	21.1	21.1	94.6	94.6	7.5	7.5	4.4	4.4	2	2	78	78	821149	811536	82	<0.2	<0.2	1.2							
						1.0	0.3	139	20.5	20.5	7.8	7.8	21.1	21.1	94.6	94.6	7.5	7.5	4.4	4.4	4	4	77	77													
					Middle	4.5	0.3	142	19.9	19.9	7.9	7.9	25.2	25.2	94.4	94.4	7.4	7.4	4.7	4.7	4	4	83	83							83	83					
						4.5	0.3	153	19.9	19.9	7.9	7.9	25.2	25.2	94.4	94.4	7.4	7.4	4.7	4.7	4	4	84	84							84	84					
					Bottom	7.9	0.2	170	19.9	19.9	7.9	7.9	26.1	26.1	95.2	95.2	7.4	7.4	5.3	5.3	3	3	85	85							85	85					
						7.9	0.2	185	19.9	19.9	7.9	7.9	26.1	26.1	95.2	95.2	7.4	7.4	5.3	5.3	4	4	84	84							84	84					
SR2	Sunny	Moderate	05:47	3.9	Surface	1.0	0.2	120	20.5	20.5	7.9	7.9	22.5	22.5	96.5	96.5	7.6	7.6	4.3	4.3	2	2	78	78	821468	814158	81	<0.2	<0.2	1.0							
						1.0	0.2	120	20.5	20.5	7.9	7.9	22.5	22.5	96.5	96.5	7.6	7.6	4.3	4.3	4	4	77	77													
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-	-	-	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-	-	-	-
					Bottom	2.9	0.2	114	20.2	20.2	7.9	7.9	24.9	24.9	96.1	96.1	7.5	7.5	4.3	4.3	3	3	84	84							84	84					
						2.9	0.2	114	20.2	20.2	7.9	7.9	24.9	24.9	96.1	96.1	7.5	7.5	4.3	4.3	4	4	84	84							84	84					
SR3	Sunny	Moderate	07:19	9.9	Surface	1.0	0.3	190	19.8	19.8	7.8	7.8	22.2	22.2	90.7	90.7	7.3	7.3	4.1	4.1	3	3	-	-	822158	807559	-	-	-								
						1.0	0.3	201	19.8	19.8	7.8	7.8	22.2	22.2	90.7	90.7	7.3	7.3	4.1	4.1	5	5	-	-													
					Middle	5.0	0.2	192	19.3	19.3	7.9	7.9	27.8	27.8	92.0	92.0	7.2	7.2	4.3	4.3	4	4	-	-						-	-						
						5.0	0.3	199	19.3	19.3	7.9	7.9	27.8	27.8	92.0	92.0	7.2	7.2	4.2	4.2	3	3	-	-						-	-						
					Bottom	8.9	0.2	177	18.9	18.9	7.9	7.9	29.2	29.2	90.2	90.2	7.0	7.0	5.2	5.2	4	4	-	-						-	-						
						8.9	0.3	182	18.9	18.9	7.9	7.9	29.2	29.2	90.2	90.2	7.0	7.0	5.2	5.2	5	5	-	-						-	-						
SR4A	Sunny	Calm	06:00	8.5	Surface	1.0	0.3	120	17.3	17.3	7.7	7.7	27.9	27.9	99.4	99.4	8.1	8.1	3.5	3.5	5	5	-	-	817181	807812	-	-	-								
						1.0	0.3	126	17.3	17.3	7.7	7.7	27.9	27.9	99.4	99.4	8.1	8.1	3.6	3.6	4	4	-	-													
					Middle	4.3	0.3	116	16.9	16.9	7.8	7.8	30.7	30.7	97.8	97.8	7.9	7.9	6.2	6.2	4	4	-	-						-	-						
						4.3	0.3	122	16.9	16.9	7.8	7.8	30.7	30.7	97.8	97.8	7.9	7.9	6.2	6.2	4	4	-	-						-	-						
					Bottom	7.5	0.3	142	16.9	16.9	7.8	7.8	31.0	31.0	97.3	97.3	7.8	7.8	9.3	9.3	10	10	-	-						-	-						
						7.5	0.3	150	16.9	16.9	7.8	7.8	31.0	31.0	97.3	97.3	7.8	7.8	9.2	9.2	12	12	-	-						-	-						
SR5A	Sunny	Calm	05:41	4.4	Surface	1.0	0.1	115	17.0	17.0	7.6	7.6	29.5	29.5	97.6	97.6	7.9	7.9	7.2	7.2	8	8	-	-	816583	810694	-	-	-								
						1.0	0.1	119	17.0	17.0	7.6	7.6	29.5	29.5	97.6	97.6	7.9	7.9	7.2	7.2	7	7	-	-													
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-		
					Bottom	3.4	0.1	150	16.9	16.9	7.6	7.6	30.0	30.0	97.7	97.7	7.9	7.9	17.1	17.1	17	17	-	-						-	-						
						3.4	0.1	154	16.9	16.9	7.6	7.6	30.0	30.0	97.7	97.7	7.9	7.9	17.1	17.1	19	19	-	-						-	-						
SR6	Sunny	Calm	05:15	4.5	Surface	1.0	0.1	175	17.0	17.0	7.6	7.6	28.2	28.2	95.4	95.4	7.8	7.8	8.9	8.9	16	16	-	-	817911	814665	-	-	-								
						1.0	0.1	182	17.0	17.0	7.6	7.6	28.2	28.2	95.4	95.4	7.8	7.8	8.9	8.9	15	15	-	-													
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-		
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-			
					Bottom	3.5	0.1	165	16.8	16.8	7.6	7.6	28.8	28.8	96.3	96.3	7.9	7.9	16.8	16.8	22	22	-	-						-	-						
						3.5	0.2	169	16.8	16.8	7.6	7.6	28.8	28.8	96.7	96.7	7.9	7.9	16.9	16.9	20	20	-	-						-	-						
SR7	Sunny	Moderate	05:10	16.7	Surface	1.0	0.2	178	19.3	19.3	7.9	7.9	29.5	29.5	94.4	94.4	7.3	7.3	3.1	3.1	5	5	-	-	823647	823752	-	-	-								
						1.0	0.2	186	19.3	19.3	7.9	7.9	29.5	29.5	94.4	94.4	7.3	7.3	3.1																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Calm	19:47	9.0	Surface	1.0	0.4	111	17.9	17.9	7.7	7.7	25.7	25.7	103.2	103.2	8.4	8.4	3.5	3.5	3	3	82	82	815635	804249	<0.2	3.7	<0.2	3.7		
						1.0	0.4	120	17.9	7.7	7.7	25.7	25.7	103.2	103.2	8.4	8.4	3.5	3.5	3	3	81	81	<0.2			3.6	<0.2		3.9		
					Middle	4.5	0.3	177	15.4	15.4	7.8	7.8	34.1	34.1	98.3	98.3	8.0	8.0	4.0	4.0	3	3	83	83			<0.2	1.7		<0.2	0.9	2.1
						4.5	0.3	178	15.4	15.4	7.8	7.8	34.1	34.1	98.3	98.3	8.0	8.0	4.0	4.0	3	3	83	83			<0.2	1.7		<0.2	0.9	
					Bottom	8.0	0.4	148	15.1	15.1	7.8	7.8	34.5	34.5	96.5	96.5	7.9	7.9	8.8	8.8	12	12	83	83			<0.2	0.8		<0.2	0.8	
						8.0	0.4	156	15.1	15.1	7.8	7.8	34.5	34.5	96.5	96.5	7.9	7.9	8.8	8.8	12	12	84	84			<0.2	0.8		<0.2	0.8	
C2	Sunny	Moderate	18:26	12.4	Surface	1.0	0.2	239	20.0	20.0	7.8	7.8	21.5	21.5	93.9	93.9	7.5	7.5	4.3	4.3	4	4	76	76	825682	806959	<0.2	4.5	<0.2	4.5		
						1.0	0.3	258	20.0	20.0	7.8	7.8	21.5	21.5	93.9	93.9	7.5	7.5	4.3	4.3	3	3	77	77			<0.2	4.5		<0.2	4.2	
					Middle	6.2	0.4	283	19.4	19.4	7.9	7.9	28.3	28.3	91.6	91.6	7.1	7.1	5.4	5.4	3	3	81	81			<0.2	4.3		<0.2	4.4	4.4
						6.2	0.4	307	19.4	19.4	7.9	7.9	28.3	28.3	91.5	91.6	7.1	7.1	5.5	5.5	3	3	82	82			<0.2	4.3		<0.2	4.4	
					Bottom	11.4	0.3	243	19.0	19.0	7.9	7.9	29.2	29.2	89.8	89.8	7.0	7.0	7.5	7.5	4	4	84	84			<0.2	4.4		<0.2	4.4	
						11.4	0.3	246	19.0	19.0	7.9	7.9	29.2	29.2	89.9	89.9	7.0	7.0	7.5	7.5	3	3	84	84			<0.2	4.2		<0.2	4.2	
C3	Sunny	Moderate	20:19	12.6	Surface	1.0	0.2	170	19.9	19.9	8.0	8.0	27.9	27.9	96.0	96.0	7.4	7.4	3.1	3.1	<2	<2	79	79	822089	817811	<0.2	2.7	<0.2	2.7		
						1.0	0.3	178	19.9	19.9	8.0	8.0	27.9	27.9	95.9	96.0	7.4	7.4	3.1	3.1	<2	<2	79	79			<0.2	2.7		<0.2	2.7	
					Middle	6.3	0.3	255	18.9	18.9	7.9	7.9	30.4	30.4	91.6	91.6	7.1	7.1	3.3	3.3	2	2	82	82			<0.2	2.2		<0.2	2.4	2.6
						6.3	0.3	279	18.9	18.9	7.9	7.9	30.4	30.4	91.6	91.6	7.1	7.1	3.3	3.3	2	2	82	82			<0.2	2.4		<0.2	2.4	
					Bottom	11.6	0.2	233	18.7	18.7	7.9	7.9	30.7	30.7	91.9	91.9	7.1	7.1	3.4	3.4	3	3	84	84			<0.2	2.8		<0.2	2.8	
						11.6	0.2	249	18.7	18.7	7.9	7.9	30.7	30.7	91.9	91.9	7.1	7.1	3.4	3.4	2	2	84	84			<0.2	2.7		<0.2	2.7	
IM1	Sunny	Moderate	19:27	7.9	Surface	1.0	0.4	191	17.7	17.7	7.7	7.7	25.5	25.5	104.0	104.1	8.5	8.5	2.6	2.6	4	4	81	81	818365	806448	<0.2	3.1	<0.2	3.1		
						1.0	0.4	203	17.7	17.7	7.7	7.7	25.5	25.5	104.1	104.1	8.5	8.5	2.6	2.6	4	4	80	80			<0.2	3.3		<0.2	3.3	
					Middle	4.0	0.3	181	16.5	16.5	7.8	7.8	31.2	31.2	101.3	101.3	8.2	8.2	4.9	4.9	3	3	82	82			<0.2	2.1		<0.2	1.9	2.1
						4.0	0.3	198	16.5	16.5	7.8	7.8	31.2	31.2	101.3	101.3	8.2	8.2	4.9	4.9	3	3	82	82			<0.2	2.1		<0.2	1.9	
					Bottom	6.9	0.3	124	15.9	15.9	7.8	7.8	33.0	33.0	99.8	99.8	8.1	8.1	6.7	6.7	7	7	83	83			<0.2	1.1		<0.2	1.1	
						6.9	0.3	128	15.9	15.9	7.8	7.8	33.0	33.0	99.8	99.8	8.1	8.1	6.7	6.7	8	8	84	84			<0.2	1.1		<0.2	1.1	
IM2	Sunny	Moderate	19:21	8.6	Surface	1.0	0.3	183	17.4	17.4	7.8	7.8	27.1	27.1	102.9	102.9	8.4	8.4	2.7	2.7	3	3	79	79	818836	806184	<0.2	2.6	<0.2	2.6		
						1.0	0.4	192	17.4	17.4	7.8	7.8	27.1	27.1	102.9	102.9	8.4	8.4	2.7	2.7	3	3	80	80			<0.2	2.6		<0.2	2.6	
					Middle	4.3	0.4	161	16.7	16.7	7.8	7.8	30.3	30.3	100.3	100.3	8.1	8.1	4.7	4.7	4	4	83	83			<0.2	2.2		<0.2	2.2	1.9
						4.3	0.5	174	16.7	16.7	7.8	7.8	30.3	30.3	100.3	100.3	8.1	8.1	4.7	4.7	5	5	83	83			<0.2	2.2		<0.2	2.2	
					Bottom	7.6	0.4	126	15.9	15.9	7.8	7.8	33.1	33.1	97.7	97.7	7.9	7.9	7.4	7.4	5	5	84	84			<0.2	1.0		<0.2	0.9	
						7.6	0.4	127	15.9	15.9	7.8	7.8	33.1	33.1	97.7	97.7	7.9	7.9	7.4	7.4	4	4	84	84			<0.2	0.9		<0.2	0.9	
IM3	Sunny	Moderate	19:14	8.6	Surface	1.0	0.4	198	18.3	18.3	7.7	7.7	19.5	19.5	101.9	101.9	8.5	8.5	2.8	2.8	4	4	80	80	819407	806013	<0.2	3.8	<0.2	3.8		
						1.0	0.4	210	18.3	18.3	7.7	7.7	19.5	19.5	101.9	101.9	8.5	8.5	2.8	2.8	3	3	80	80			<0.2	4.0		<0.2	4.0	
					Middle	4.3	0.4	116	16.2	16.2	7.8	7.8	30.4	30.4	99.8	99.8	8.2	8.2	3.9	3.9	4	4	82	82			<0.2	2.3		<0.2	2.5	2.4
						4.3	0.4	124	16.2	16.2	7.8	7.8	30.4	30.4	99.8	99.8	8.2	8.2	3.9	3.9	4	4	81	81			<0.2	2.5		<0.2	2.5	
					Bottom	7.6	0.3	98	15.7	15.7	7.8	7.8	33.3	33.3	97.9	97.9	7.9	7.9	6.2	6.2	7	7	82	82			<0.2	0.9		<0.2	0.9	
						7.6	0.3	104	15.7	15.7	7.8	7.8	33.3	33.3	97.9	97.9	7.9	7.9	6.2	6.2	9	9	83	83			<0.2	0.9		<0.2	0.9	
IM4	Sunny	Moderate	19:03	8.3	Surface	1.0	0.4	167	17.8	17.8	7.7	7.7	19.4	19.4	99.3	99.3	8.4	8.4	3.4	3.4	5	5	81	81	819574	805049	<0.2	3.8	<0.2	3.8		
						1.0	0.4	167	17.8	17.8	7.7	7.7	19.4	19.4	99.3	99.3	8.4	8.4	3.4	3.4	3	3	80	80			<0.2	1.8		<0.2	1.8	
					Middle	4.2	0.4	121	15.8	15.8	7.8	7.8	31.3	31.3	98.3	98.3	8.1	8.1	4.6	4.6	7	7	82	82			<0.2	1.9		<0.2	1.9	2.1
						4.2	0.4	129	15.8	15.8	7.8	7.8	31.3	31.3	98.3	98.3	8.1	8.1	4.6	4.6	5	5	82	82			<0.2	0.7		<0.2	0.7	
					Bottom	7.3	0.5	143	15.6	15.6	7.8	7.8	33.4	33.4	96.7	96.7	7.9	7.9	9.0	9.0	4	4	83	83			<0.2	1.0		<0.2	1.0	
						7.3	0.5	152	15.6	15.6	7.8	7.8	33.4	33.4	96.7	96.7	7.9	7.9	9.0	9.0	5	5	83	83			<0.2	0.8		<0.2	0.8	
IM5	Sunny	Moderate	18:47	6.7	Surface	1.0	0.3	211	17.4	17.4	7.7	7.7	20.9	20.9	97.8	97.8	8.3	8.3	3.3	3.3	4	4	79	79	820556	804924	<0.2	4.1	<0.2	4.1		
						1.0	0.3	224	17.4	17.4	7.7	7.7	20.9	20.9	97.8	97.8	8.3	8.3	3.3	3.3	4	4	80	80			<0.2	4.2		<0.2	4.2	
					Middle	3.4	0.3	160	15.9	15.9	7.8	7.8	30.3	30.3	96.8	96.8	8.0	8.0	4.8	4.8	4	4	82	82			<0.2	2.2		<0.2	2.2	2.5
						3.4	0.4	161	15.9	15.9	7.8	7.8	30.3	30.3	96.8	96.8	8.0	8.0	4.8	4.8	4	4	81	81			<0.2	2.2		<0.2	2.2	
					Bottom	5.7	0.3	152	15.5	15.5	7.8	7.8	33.3	33.3	95.6	95.6	7.8	7.8	11.2	11.2	8	8	84	84			<0.2	1.0		<0.2	1.0	
						5.7	0.3	162	15.5	15.5	7.8	7.8	33.3	33.3	95.6	95.6	7.8	7.8	11.2	11.2	6	6	83	83			<0.2	1.0		<0.2	1.0	
IM6	Sunny	Moderate	18:39	7.1	Surface	1.0	0.5	225	17.2	17.2	7.6	7.6	21.8	21.8	98.0	98.0																

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	19:05	8.4	Surface	1.0	0.3	211	20.3	20.3	7.9	7.9	21.0	21.0	96.8	96.8	7.7	7.6	4.6	6.2	3	3	79	82	822088	808807	<0.2	<0.2	3.5	3.6						
						1.0	0.3	224	20.3	20.3	7.9	7.9	21.0	21.0	96.8	96.8	7.7	7.6	4.6	6.2	3	3	80	82	822088	808807	<0.2	<0.2	3.5	3.6						
					Middle	4.2	0.3	175	19.7	19.7	7.9	7.9	26.0	26.0	96.2	96.2	7.5	7.4	5.1	6.2	2	3	83	83	822088	808807	<0.2	<0.2	3.5	3.6						
						4.2	0.3	192	19.7	19.7	7.9	7.9	26.0	26.0	96.2	96.2	7.5	7.4	5.1	6.2	3	3	83	83	822088	808807	<0.2	<0.2	3.5	3.6						
					Bottom	7.4	0.3	140	19.1	19.1	8.0	8.0	29.4	29.4	95.3	95.3	7.4	7.4	8.9	7.4	4	3	84	84	822088	808807	<0.2	<0.2	3.8	3.6						
						7.4	0.3	145	19.1	19.1	8.0	8.0	29.4	29.4	95.3	95.3	7.4	7.4	8.9	7.4	3	3	84	84	822088	808807	<0.2	<0.2	3.9	3.6						
IM10	Sunny	Moderate	19:12	8.0	Surface	1.0	0.3	229	21.1	21.1	7.9	7.9	21.6	21.6	96.6	96.6	7.6	7.7	15.6	16.4	3	3	77	81	822254	809852	<0.2	<0.2	2.9	2.9						
						1.0	0.3	231	21.1	21.1	7.9	7.9	21.6	21.6	96.6	96.6	7.6	7.7	15.6	16.4	3	3	78	81	822254	809852	<0.2	<0.2	2.9	2.9						
					Middle	4.0	0.3	250	20.1	20.1	7.9	7.9	26.5	26.5	100.8	100.8	7.8	7.8	18.5	16.4	4	3	82	82	822254	809852	<0.2	<0.2	2.8	2.9						
						4.0	0.4	252	20.1	20.1	7.9	7.9	26.5	26.5	100.8	100.8	7.8	7.8	18.5	16.4	4	3	82	82	822254	809852	<0.2	<0.2	3.0	2.9						
					Bottom	7.0	0.3	229	19.6	19.6	8.0	8.0	28.4	28.4	96.2	96.2	7.5	7.5	15.1	7.5	3	3	84	84	822254	809852	<0.2	<0.2	2.8	2.9						
						7.0	0.3	232	19.6	19.6	8.0	8.0	28.4	28.4	96.2	96.2	7.5	7.5	15.1	7.5	3	3	84	84	822254	809852	<0.2	<0.2	3.0	2.9						
IM11	Sunny	Moderate	19:18	8.8	Surface	1.0	0.3	211	20.8	20.8	7.9	7.9	23.5	23.5	97.0	97.0	7.6	7.5	4.6	6.3	4	4	78	81	821519	810553	<0.2	<0.2	2.3	2.5						
						1.0	0.3	231	20.8	20.8	7.9	7.9	23.5	23.5	97.0	97.0	7.6	7.5	4.6	6.3	5	4	78	81	821519	810553	<0.2	<0.2	2.2	2.5						
					Middle	4.4	0.3	255	19.6	19.6	7.9	7.9	28.1	28.1	94.7	94.7	7.4	7.4	5.4	6.3	4	4	81	81	821519	810553	<0.2	<0.2	2.9	2.5						
						4.4	0.4	279	19.6	19.6	7.9	7.9	28.1	28.1	94.7	94.7	7.4	7.4	5.4	6.3	3	4	82	81	821519	810553	<0.2	<0.2	2.9	2.5						
					Bottom	7.8	0.3	230	19.1	19.1	7.9	7.9	29.2	29.2	91.7	91.7	7.1	7.1	8.9	7.1	4	4	84	81	821519	810553	<0.2	<0.2	2.4	2.5						
						7.8	0.3	247	19.1	19.1	7.9	7.9	29.2	29.2	91.7	91.7	7.1	7.1	8.9	7.1	5	4	85	81	821519	810553	<0.2	<0.2	2.2	2.5						
IM12	Sunny	Moderate	19:31	7.3	Surface	1.0	0.3	205	20.9	20.9	7.9	7.9	23.8	23.8	97.9	97.9	7.6	7.4	4.8	6.0	4	4	78	81	821143	811530	<0.2	<0.2	2.1	2.3						
						1.0	0.3	216	20.9	20.9	7.9	7.9	23.8	23.8	97.9	97.9	7.6	7.4	4.8	6.0	5	4	78	81	821143	811530	<0.2	<0.2	2.1	2.3						
					Middle	3.7	0.4	254	19.4	19.4	7.9	7.9	28.8	28.8	93.1	93.1	7.2	7.2	5.2	6.0	4	4	82	81	821143	811530	<0.2	<0.2	2.4	2.3						
						3.7	0.4	270	19.4	19.4	7.9	7.9	28.8	28.8	93.1	93.1	7.2	7.2	5.2	6.0	5	4	82	81	821143	811530	<0.2	<0.2	2.5	2.3						
					Bottom	6.3	0.3	225	19.0	19.0	7.9	7.9	29.4	29.4	91.3	91.3	7.1	7.1	8.0	7.1	3	4	84	81	821143	811530	<0.2	<0.2	2.3	2.3						
						6.3	0.3	246	19.0	19.0	7.9	7.9	29.4	29.4	91.3	91.3	7.1	7.1	8.0	7.1	4	4	84	81	821143	811530	<0.2	<0.2	2.4	2.3						
SR2	Sunny	Moderate	19:55	4.6	Surface	1.0	0.3	190	20.7	20.7	7.9	7.9	25.3	25.3	98.1	98.2	7.6	7.6	5.9	5.8	3	3	79	82	821455	814180	<0.2	<0.2	2.1	2.2						
						1.0	0.3	200	20.7	20.7	7.9	7.9	25.3	25.3	98.2	98.2	7.6	7.6	5.9	5.8	3	3	79	82	821455	814180	<0.2	<0.2	2.2	2.2						
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	82	814180	<0.2	<0.2	-	-				
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	814180	<0.2	<0.2	-	-				
					Bottom	3.6	0.3	160	20.0	20.0	7.9	7.9	26.8	26.8	96.8	96.8	7.5	7.5	5.7	7.5	3	3	84	-	-	-	82	814180	<0.2	<0.2	1.8	1.8				
						3.6	0.3	173	20.0	20.0	7.9	7.9	26.8	26.8	96.8	96.8	7.5	7.5	5.7	7.5	3	3	84	-	-	-	82	814180	<0.2	<0.2	1.8	1.8				
SR3	Sunny	Moderate	18:50	9.3	Surface	1.0	0.3	232	19.9	19.9	7.9	7.9	22.3	22.3	94.1	94.2	7.5	7.4	4.3	5.0	5	4	-	-	822144	807556	-	-	-	-						
						1.0	0.3	234	19.9	19.9	7.9	7.9	22.3	22.3	94.2	94.2	7.5	7.4	4.4	5.0	5	4	-	-	-	-	822144	807556	-	-	-	-				
					Middle	4.7	0.3	162	19.5	19.5	7.9	7.9	28.4	28.4	92.4	92.4	7.2	7.2	4.7	7.0	3	4	-	-	-	-	822144	807556	-	-	-	-				
						4.7	0.3	164	19.5	19.5	7.9	7.9	28.4	28.4	92.4	92.4	7.2	7.2	4.7	7.0	4	4	-	-	-	-	822144	807556	-	-	-	-				
					Bottom	8.3	0.4	123	19.0	19.0	7.9	7.9	29.2	29.2	90.1	90.1	7.0	7.0	5.9	7.0	4	4	-	-	-	-	822144	807556	-	-	-	-				
						8.3	0.4	127	19.0	19.0	7.9	7.9	29.2	29.2	90.1	90.1	7.0	7.0	5.9	7.0	3	4	-	-	-	-	822144	807556	-	-	-	-				
SR4A	Sunny	Calm	20:08	8.7	Surface	1.0	0.3	148	18.3	18.3	7.7	7.7	27.6	27.6	103.5	103.5	8.3	8.1	3.4	5.1	4	6	-	-	817175	807791	-	-	-	-						
						1.0	0.3	149	18.3	18.3	7.7	7.7	27.6	27.6	103.5	103.5	8.3	8.1	3.4	5.1	3	6	-	-	-	-	817175	807791	-	-	-	-				
					Middle	4.4	0.3	152	17.1	17.1	7.8	7.8	31.2	31.2	98.8	98.8	7.9	7.9	4.9	7.8	6	6	-	-	-	-	817175	807791	-	-	-	-				
						4.4	0.3	156	17.1	17.1	7.8	7.8	31.2	31.2	98.8	98.8	7.9	7.9	4.9	7.8	7	6	-	-	-	-	817175	807791	-	-	-	-				
					Bottom	7.7	0.3	159	16.9	16.9	7.8	7.8	32.4	32.4	97.3	97.3	7.8	7.8	7.0	7.8	8	6	-	-	-	-	817175	807791	-	-	-	-				
						7.7	0.3	172	16.9	16.9	7.8	7.8	32.4	32.4	97.3	97.3	7.8	7.8	7.0	7.8	8	6	-	-	-	-	817175	807791	-	-	-	-				
SR5A	Sunny	Calm	20:24	5.4	Surface	1.0	0.3	164	18.8	18.8	7.8	7.8	30.6	30.6	101.8	101.7	7.9	7.9	6.2	6.7	5	7	-	-	816590	810712	-	-	-	-						
						1.0	0.3	179	18.8	18.8	7.8	7.8	30.6	30.6	101.5	101.5	7.9	7.9	6.3	6.7	7	7	-	-	-	-	816590	810712	-	-	-	-				
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816590	810712	-	-	-	-				
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816590	810712	-	-	-	-				
					Bottom	4.4	0.2	165</																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
					Value	Average			Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA								
C1	Cloudy	Moderate	14:28	8.6	Surface	1.0	0.4	148	16.1	16.1	7.8	7.8	31.3	31.4	101.8	101.9	8.3	8.0	2.0	1.8	3	5	815628	804258				
						1.0	0.4	158	16.1	7.8	7.8	31.4	31.4	101.9	100.4	8.3	8.0	2.0	1.8	2	5							
					Middle	4.3	0.4	133	15.4	15.4	7.8	7.8	34.1	34.2	100.5	100.4	8.1	8.0	1.6	1.7	6	4			815628	804258		
						4.3	0.4	139	15.4	15.2	7.8	7.8	34.2	35.2	100.3	99.3	8.1	8.0	1.7	1.8	6	4						
					Bottom	7.6	0.4	166	15.2	15.2	7.8	7.8	35.2	35.2	99.3	99.3	8.0	8.0	1.8	1.8	5	4					815628	804258
						7.6	0.5	166	15.2	15.2	7.8	7.8	35.2	35.2	99.3	99.3	8.0	8.0	1.8	1.8	5	4						
C2	Cloudy	Moderate	13:18	11.7	Surface	1.0	0.4	188	19.9	19.9	8.0	8.0	23.8	23.8	90.7	90.7	7.2	7.1	1.7	3.3	4	4	825662	806938				
						1.0	0.5	194	19.9	8.0	8.0	23.8	23.8	90.7	90.7	7.2	7.1	1.6	3.3	4	4							
					Middle	5.9	0.3	240	19.4	19.4	8.0	8.0	28.4	28.4	88.4	88.4	6.9	6.7	3.4	3.6	5	4			825662	806938		
						5.9	0.3	256	19.4	19.0	8.0	8.0	28.4	30.5	88.3	86.5	6.9	6.7	3.6	3.6	3	4						
					Bottom	10.7	0.3	138	19.0	19.0	8.0	8.0	30.5	30.5	86.5	86.6	6.7	6.7	4.9	4.8	4	4					825662	806938
						10.7	0.3	143	19.0	19.0	8.0	8.0	30.5	30.5	86.6	86.6	6.7	6.7	4.9	4.8	4	4						
C3	Cloudy	Moderate	15:18	12.7	Surface	1.0	0.3	273	19.9	19.9	8.0	8.0	28.6	28.6	96.7	96.7	7.4	7.3	0.8	1.2	3	5	822100	817822				
						1.0	0.3	294	19.9	19.9	8.0	8.0	28.6	28.6	96.7	96.7	7.4	7.3	0.8	1.2	4	5						
					Middle	6.4	0.3	258	19.2	19.2	8.0	8.0	30.2	30.2	92.4	92.4	7.1	7.1	1.5	1.5	4	5			822100	817822		
						6.4	0.3	280	19.2	19.1	8.0	8.0	30.2	30.7	92.4	93.2	7.1	7.2	1.5	1.6	6	5						
					Bottom	11.7	0.3	261	19.1	19.1	8.0	8.0	30.7	30.7	93.2	93.2	7.2	7.2	1.2	1.3	6	7					822100	817822
						11.7	0.3	275	19.1	19.1	8.0	8.0	30.7	30.7	93.2	93.2	7.2	7.2	1.2	1.3	6	7						
IM1	Cloudy	Moderate	14:06	7.5	Surface	1.0	0.3	156	16.6	16.5	7.7	7.8	29.6	29.9	101.5	101.6	8.3	8.2	1.8	2.2	4	4	818357	806451				
						1.0	0.4	163	16.4	16.5	7.8	7.8	29.9	29.9	101.6	101.6	8.3	8.2	1.8	2.2	3	4						
					Middle	3.8	0.3	143	15.6	15.6	7.8	7.8	33.6	33.6	99.8	99.8	8.1	8.1	1.9	2.0	6	4			818357	806451		
						3.8	0.3	155	15.6	15.2	7.8	7.8	33.6	34.9	99.7	98.2	8.1	8.0	2.0	2.9	4	4						
					Bottom	6.5	0.3	158	15.2	15.2	7.8	7.8	34.9	34.9	98.2	98.2	8.0	8.0	2.9	2.6	4	5					818357	806451
						6.5	0.3	165	15.2	15.2	7.8	7.8	34.9	34.9	98.1	98.1	7.9	7.9	2.6	2.6	5	5						
IM2	Cloudy	Moderate	14:00	8.4	Surface	1.0	0.4	201	16.2	16.2	7.8	7.8	30.7	30.8	100.4	100.5	8.2	8.2	2.2	3.2	3	4	818861	806203				
						1.0	0.4	216	16.1	16.2	7.8	7.8	30.8	30.8	100.5	100.5	8.2	8.2	2.0	3.2	2	4						
					Middle	4.2	0.4	209	15.8	15.8	7.8	7.8	32.6	32.6	99.5	99.5	8.1	8.1	2.5	2.5	5	4			818861	806203		
						4.2	0.4	220	15.8	15.8	7.8	7.8	32.6	32.6	99.5	99.5	8.1	8.1	2.5	2.5	5	4						
					Bottom	7.4	0.3	203	15.2	15.2	7.8	7.8	35.0	35.0	97.5	97.5	7.9	7.9	4.7	5.0	5	4					818861	806203
						7.4	0.4	219	15.2	15.2	7.8	7.8	35.0	35.0	97.4	97.4	7.9	7.9	4.7	5.0	5	4						
IM3	Cloudy	Moderate	13:53	8.6	Surface	1.0	0.3	176	16.7	16.7	7.7	7.7	28.2	28.3	99.0	99.1	8.1	8.0	2.4	3.2	3	3	819423	806008				
						1.0	0.3	177	16.6	16.7	7.7	7.7	28.3	28.3	99.2	99.1	8.1	8.0	2.4	3.2	4	3						
					Middle	4.3	0.3	164	15.5	15.5	7.8	7.8	33.9	34.0	97.7	97.7	7.9	7.9	3.3	3.4	3	3			819423	806008		
						4.3	0.3	174	15.5	15.3	7.8	7.8	34.0	35.0	97.7	96.9	7.9	7.8	3.4	3.7	3	4						
					Bottom	7.6	0.3	155	15.2	15.3	7.8	7.8	35.0	35.0	96.9	96.9	7.8	7.8	3.7	3.7	4	3					819423	806008
						7.6	0.4	158	15.3	15.3	7.8	7.8	35.0	35.0	96.8	96.8	7.8	7.8	3.7	3.7	4	3						
IM4	Cloudy	Moderate	13:46	8.1	Surface	1.0	0.3	194	17.1	17.1	7.7	7.7	27.8	27.8	98.9	99.0	8.1	8.0	1.9	2.8	5	5	819581	805055				
						1.0	0.3	197	17.1	17.1	7.7	7.7	27.8	27.8	99.0	99.0	8.1	8.0	2.0	2.8	4	5						
					Middle	4.1	0.3	177	15.8	15.8	7.8	7.8	32.6	32.7	97.5	97.6	7.9	7.9	2.8	3.0	6	4			819581	805055		
						4.1	0.3	180	15.8	15.3	7.8	7.8	32.7	34.8	97.6	96.6	7.9	7.8	3.0	3.4	4	6						
					Bottom	7.1	0.2	147	15.3	15.3	7.8	7.8	34.8	34.8	96.6	96.6	7.8	7.8	3.4	3.4	6	6					819581	805055
						7.1	0.3	149	15.3	15.3	7.8	7.8	34.8	34.8	96.6	96.6	7.8	7.8	3.4	3.4	6	6						
IM5	Cloudy	Moderate	13:38	7.1	Surface	1.0	0.4	192	16.9	16.9	7.7	7.7	27.6	27.6	97.2	97.3	8.0	8.0	2.0	4.2	5	5	820583	804905				
						1.0	0.4	199	16.9	16.4	7.7	7.7	27.6	29.5	97.3	97.3	8.0	8.0	2.0	4.2	6	5						
					Middle	3.6	0.4	210	16.4	16.4	7.7	7.7	29.4	29.5	97.2	97.3	8.0	8.0	2.7	3.0	5	5			820583	804905		
						3.6	0.4	227	16.3	16.4	7.7	7.7	29.5	29.5	97.3	97.3	8.0	8.0	2.7	3.0	5	5						
					Bottom	6.1	0.3	185	15.4	15.4	7.8	7.8	34.4	34.4	95.9	96.0	7.8	7.8	7.9	7.6	4	4					820583	804905
						6.1	0.3	196	15.4	15.4	7.8	7.8	34.4	34.4	96.1	96.0	7.8	7.8	7.9	7.6	4	4						
IM6	Cloudy	Moderate	13:29	7.3	Surface	1.0	0.3	190	16.8	16.8	7.7	7.7	28.3	28.3	96.6	96.6	7.9	7.9	1.9	3.5	6	6	821072	805815				
						1.0	0.3	193	16.8	16.8	7.7	7.7	28.3	28.3	96.6	96.6	7.9	7.9	1.9	3.5	5	6						
					Middle	3.7	0.3	183	16.3	16.3	7.7	7.7	29.7	29.7	96.4	96.4	7.9	7.9	2.2	2.2	5	6			821072	805815		
						3.7	0.3	184	16.3	16.3	7.7	7.7	29.7	34.1	96.4	95.4	7.9	7.7	2.2	6.3	7	6						
					Bottom	6.3	0.3	156	15.5	15.5	7.8	7.8	34.1	34.1	95.4	95.4	7.7	7.7	6.3	6.3	6	6					821072	805815
						6.3	0.3	170	15.5	15.5	7.8	7.8	34.1	34.1	95.4	95.4	7.7	7.7	6.3	6.3	6	6						
IM7	Cloudy	Moderate	13:18	7.8	Surface	1.0	0.3	166	16.5	16.5	7.7	7.7	28.9	28.9	95.2	95.2	7.8	7.8	1.8	3.2	5	5	821358	806843				
						1.0	0.4	175	16.5	16.1	7.7	7.7	28.9	30.8	95.2	95.3	7.8	7.8	1.9	3.2	4	5						
					Middle	3.9	0.3	178	16.1	16.1	7.7	7.7	30.7	30.8	95.3	95.3	7.8	7.8	2.9	3.2	3	3			821358	806843		
						3.9	0.4	194	16.1	16.1	7.7	7.7	30.8	33.0	95.3	94.7	7.8	7.7	3.2	4.5	3	7						
					Bottom	6.8	0.4	135	15.7	15.8	7.7	7.7	33.0	33.0	94.7	94.7	7.7	7.7	7	4.8	7	5					821358	806843
						6.8	0.4	140	15.8	15.8	7.7	7.7	32.9	33.0	94.7	94.7	7.7	7.7	7	4.8	7	5						
IM8	Cloudy	Moderate	13:55	8.5	Surface	1.0	0.4	196	20.1	20.1	7.9	7.9	24.5	24.5	95.1	95.1	7.5	7.6	2.2	5.1	4	3	821690	807831				
						1.0	0.4	208	20.1	20.1	7.9	7.9	24.5	24.5														

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
					Value	Average			Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	14:04	7.2	Surface	1.0	0.3	176	20.5	7.9	7.9	23.5	23.5	96.8	96.8	7.6	7.6	1.7	2.1	4	4	822095	808825	
						1.0	0.3	185	20.4	7.9	7.9	23.5	23.5	96.8	96.8	7.6								
					Middle	3.6	0.3	174	19.6	7.9	7.9	27.4	27.5	97.3	97.4	7.6								
						3.6	0.3	174	19.6	7.9	7.9	27.5	27.5	97.4	97.4	7.6								
					Bottom	6.2	0.3	175	19.3	7.9	7.9	28.6	28.6	100.0	100.0	7.8								
						6.2	0.3	178	19.3	7.9	7.9	28.6	28.6	100.0	100.0	7.8								
IM10	Cloudy	Moderate	14:12	7.7	Surface	1.0	0.4	148	20.3	8.0	8.0	25.4	25.4	96.1	96.1	7.5	7.4	2.7	4.4	4	822241	809851		
						1.0	0.4	148	20.3	8.0	8.0	25.4	25.4	96.0	96.1	7.5								
					Middle	3.9	0.4	161	19.4	8.0	8.0	28.5	28.5	93.2	93.2	7.3								
						3.9	0.4	171	19.4	8.0	8.0	28.4	28.5	93.2	93.2	7.3								
					Bottom	6.7	0.3	181	19.1	8.0	8.0	29.0	29.0	93.2	93.2	7.3								
						6.7	0.3	198	19.1	8.0	8.0	29.0	29.0	93.2	93.2	7.3								
IM11	Cloudy	Moderate	14:21	8.3	Surface	1.0	0.5	171	20.5	8.0	8.0	25.3	25.3	96.2	96.2	7.5	7.4	1.6	3.0	3	821511	810540		
						1.0	0.6	179	20.5	8.0	8.0	25.3	25.3	96.2	96.2	7.5								
					Middle	4.2	0.5	164	19.5	8.0	8.0	27.9	27.9	93.7	93.7	7.3								
						4.2	0.6	167	19.5	8.0	8.0	27.9	27.9	93.7	93.7	7.3								
					Bottom	7.3	0.5	190	19.2	8.0	8.0	29.0	29.0	93.5	93.5	7.3								
						7.3	0.5	190	19.2	8.0	8.0	29.0	29.0	93.5	93.5	7.3								
IM12	Cloudy	Moderate	14:30	8.2	Surface	1.0	0.4	157	20.1	8.0	8.0	25.3	25.3	94.3	94.3	7.4	7.3	2.4	3.5	4	821165	811506		
						1.0	0.4	172	20.1	8.0	8.0	25.3	25.3	94.3	94.3	7.4								
					Middle	4.1	0.4	193	19.3	8.0	8.0	28.4	28.4	91.8	91.8	7.2								
						4.1	0.4	196	19.3	8.0	8.0	28.4	28.4	91.8	91.8	7.2								
					Bottom	7.2	0.5	228	19.1	8.0	8.0	29.9	29.9	89.2	89.9	6.9								
						7.2	0.5	233	19.1	8.0	8.0	29.8	29.9	89.5	89.9	7.0								
SR2	Cloudy	Moderate	14:55	5.3	Surface	1.0	0.2	166	20.0	8.0	8.0	26.2	26.2	94.8	94.8	7.4	7.4	2.2	2.3	4	821447	814156		
						1.0	0.3	167	20.0	8.0	8.0	26.2	26.2	94.8	94.8	7.4								
					Middle	2.7	-	-	-	-	-	-	-	-	-									
						2.7	-	-	-	-	-	-	-	-	-									
					Bottom	4.3	0.2	196	19.6	7.9	7.9	27.7	27.7	94.9	95.0	7.4								
						4.3	0.2	211	19.6	7.9	7.9	27.7	27.7	95.0	95.0	7.4								
SR3	Cloudy	Moderate	13:46	9.3	Surface	1.0	0.5	194	20.2	8.0	8.0	23.1	23.1	92.8	92.8	7.3	7.3	2.4	5.8	4	822138	807590		
						1.0	0.5	202	20.2	8.0	8.0	23.0	23.1	92.8	92.8	7.3								
					Middle	4.7	0.4	180	19.3	8.0	8.0	28.7	28.7	93.1	93.1	7.2								
						4.7	0.4	191	19.3	8.0	8.0	28.7	28.7	93.1	93.1	7.3								
					Bottom	8.3	0.5	140	18.8	8.0	8.0	30.2	30.2	93.1	93.1	7.2								
						8.3	0.5	147	18.8	8.0	8.0	30.2	30.2	93.1	93.1	7.2								
SR4A	Cloudy	Moderate	14:50	9.3	Surface	1.0	0.3	151	16.1	7.8	7.8	32.5	32.5	99.2	99.1	8.0	8.0	8.9	7.9	13	817175	807790		
						1.0	0.3	165	16.1	7.8	7.8	32.5	32.5	99.0	99.0	8.0								
					Middle	4.7	0.3	159	15.6	7.8	7.8	33.8	33.8	98.1	98.1	7.9								
						4.7	0.3	171	15.6	7.8	7.8	33.8	33.8	98.0	98.0	7.9								
					Bottom	8.3	0.3	157	15.3	7.8	7.8	34.7	34.7	97.3	97.3	7.9								
						8.3	0.3	168	15.3	7.8	7.8	34.7	34.7	97.3	97.3	7.9								
SR5A	Cloudy	Calm	15:07	4.8	Surface	1.0	0.1	166	17.5	7.8	7.8	31.7	31.7	102.4	102.4	8.1	8.1	4.3	4.7	7	816595	810699		
						1.0	0.1	167	17.5	7.8	7.8	31.7	31.7	102.3	102.3	8.1								
					Middle	2.4	-	-	-	-	-	-	-	-	-									
						2.4	-	-	-	-	-	-	-	-	-									
					Bottom	3.8	0.1	191	17.2	7.8	7.8	31.9	31.9	101.2	101.1	8.0								
						3.8	0.1	192	17.2	7.8	7.8	31.9	31.9	101.0	101.1	8.0								
SR6	Cloudy	Calm	15:31	4.4	Surface	1.0	0.2	252	16.8	7.7	7.7	31.2	31.3	98.9	98.9	7.9	8.0	5.1	5.4	9	817906	814659		
						1.0	0.2	270	16.8	7.7	7.7	31.3	31.3	98.8	98.8	7.9								
					Middle	2.2	-	-	-	-	-	-	-	-	-									
						2.2	-	-	-	-	-	-	-	-	-									
					Bottom	3.4	0.1	214	16.8	7.7	7.7	31.7	31.7	99.0	99.0	7.9								
						3.4	0.1	215	16.8	7.7	7.7	31.6	31.7	99.1	99.1	7.9								
SR7	Cloudy	Moderate	15:56	19.0	Surface	1.0	0.2	196	19.6	8.0	8.0	30.4	30.4	93.6	93.6	7.2	7.1	0.4	1.9	5	823649	823751		
						1.0	0.2	212	19.6	8.0	8.0	30.4	30.4	93.6	93.6	7.2								
					Middle	9.5	0.2	138	19.0	8.0	8.0	31.2	31.2	89.9	89.9	6.9								
						9.5	0.2	146	19.0	8.0	8.0	31.2	31.2	89.9	89.9	6.9								
					Bottom	18.0	0.2	125	18.9	8.0	8.0	31.3	31.3	90.5	90.5	7.0								
						18.0	0.2	126	18.9	8.0	8.0	31.3	31.3	90.5	90.5	7.0								
SR8	Cloudy	Moderate	14:38	5.6	Surface	1.0	0.2	227	20.4	8.0	8.0	24.7	24.7	96.8	96.8	7.6	7.6	1.9	2.5	7	820434	811592		
						1.0	0.3	244	20.4	8.0	8.0	24.7	24.7	96.7	96.7	7.6								
					Middle	2.8	-	-	-	-	-	-	-	-	-									
						2.8	-	-	-	-	-	-	-	-	-									
					Bottom	4.6	0.3	201	19.6	8.0	8.0	27.7	27.7	95.5	95.5	7.4								
						4.6	0.3	202	19.6	7.9	8.0	27.7	27.7	95.5	95.5	7.4								

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA
C1	Cloudy	Moderate	09:56	8.8	Surface	1.0	0.3	121	15.9	15.9	7.7	7.7	29.4	29.4	99.2	99.2	8.2	8.1	2.0	2.0	3	5	815607	804255		
						1.0	0.3	125	15.9	15.9	7.7	7.7	29.4	29.4	99.2	99.2	8.2	8.1	2.0	2.0	3					
						4.4	0.3	140	15.4	15.4	7.8	7.8	33.3	33.3	98.4	98.4	8.0	8.0	2.0	2.0	5					
					Middle	4.4	0.3	149	15.4	15.4	7.8	7.8	33.3	33.3	98.4	98.4	8.0	8.0	2.1	2.1	3					
						7.8	0.2	167	15.1	15.1	7.7	7.7	34.0	34.0	96.5	96.5	7.9	7.9	3.3	3.3	7					
						7.8	0.3	178	15.1	15.1	7.7	7.7	34.0	34.0	96.4	96.5	7.9	7.9	3.3	3.3	6					
C2	Cloudy	Moderate	11:24	11.6	Surface	1.0	0.3	142	19.7	19.7	7.9	7.9	25.3	25.3	90.6	90.6	7.1	7.1	2.4	2.4	4	5	825674	806943		
						1.0	0.3	155	19.7	19.7	7.9	7.9	25.3	25.3	90.6	90.6	7.1	7.1	2.6	2.6	5					
						5.8	0.2	165	19.3	19.3	8.0	8.0	29.0	29.0	90.4	90.4	7.0	7.0	2.8	2.8	4					
					Middle	5.8	0.2	175	19.3	19.3	8.0	8.0	29.0	29.0	90.4	90.4	7.0	7.0	2.8	2.8	6					
						10.6	0.2	162	19.1	19.1	8.0	8.0	30.2	30.2	89.8	89.8	7.0	7.0	5.9	5.9	6					
						10.6	0.2	168	19.1	19.1	8.0	8.0	30.2	30.2	89.9	89.9	7.0	7.0	5.9	5.9	5					
C3	Cloudy	Moderate	09:31	12.1	Surface	1.0	0.2	169	19.2	19.2	8.0	8.0	30.1	30.1	92.3	92.3	7.1	7.0	1.0	1.0	6	6	822125	817813		
						1.0	0.2	173	19.2	19.2	8.0	8.0	30.1	30.1	92.3	92.3	7.1	7.0	1.0	1.0	5					
						6.1	0.2	192	18.8	18.8	8.0	8.0	31.3	31.3	89.5	89.5	6.9	6.9	1.7	1.7	7					
					Middle	6.1	0.2	210	18.8	18.8	8.0	8.0	31.3	31.3	89.5	89.5	6.9	6.9	1.7	1.7	5					
						11.1	0.2	199	18.8	18.8	7.9	7.9	31.3	31.3	90.9	90.9	7.0	7.0	2.6	2.6	6					
						11.1	0.2	214	18.8	18.8	7.9	7.9	31.3	31.3	90.9	90.9	7.0	7.0	2.6	2.6	5					
IM1	Cloudy	Moderate	10:18	7.6	Surface	1.0	0.3	180	16.0	16.0	7.7	7.7	30.3	30.3	97.6	97.7	8.0	8.0	2.6	2.6	5	5	818338	806452		
						1.0	0.3	192	16.0	16.0	7.7	7.7	30.3	30.3	97.7	97.7	8.0	8.0	2.6	2.6	4					
						3.8	0.3	138	15.6	15.6	7.7	7.7	32.0	32.0	96.9	96.9	7.9	7.9	3.6	3.6	6					
					Middle	3.8	0.3	145	15.5	15.5	7.7	7.7	32.0	32.0	96.9	96.9	7.9	7.9	3.7	3.7	4					
						6.6	0.2	184	15.2	15.2	7.7	7.7	33.9	33.9	96.0	96.0	7.8	7.8	4.6	4.6	5					
						6.6	0.3	193	15.2	15.2	7.7	7.7	33.9	33.9	96.0	96.0	7.8	7.8	4.5	4.5	7					
IM2	Cloudy	Moderate	10:25	8.6	Surface	1.0	0.3	210	16.4	16.4	7.7	7.7	28.4	28.4	97.7	97.7	8.1	8.1	2.3	2.3	2	5	818853	806209		
						1.0	0.3	214	16.4	16.4	7.7	7.7	28.4	28.4	97.7	97.7	8.1	8.1	2.3	2.3	3					
						4.3	0.3	118	15.5	15.5	7.7	7.7	31.6	31.6	97.0	97.0	8.0	8.0	3.8	3.8	5					
					Middle	4.3	0.3	125	15.5	15.5	7.7	7.7	31.7	31.7	97.0	97.0	8.0	8.0	3.8	3.8	7					
						7.6	0.3	161	15.2	15.2	7.7	7.7	34.0	34.0	96.1	96.1	7.8	7.8	4.5	4.5	7					
						7.6	0.3	176	15.2	15.2	7.7	7.7	34.0	34.0	96.1	96.1	7.8	7.8	4.5	4.5	6					
IM3	Cloudy	Moderate	10:33	8.8	Surface	1.0	0.4	217	16.3	16.3	7.7	7.7	29.0	29.1	97.7	97.7	8.0	8.0	2.3	2.3	5	5	819394	806006		
						1.0	0.4	236	16.2	16.2	7.7	7.7	29.1	29.1	97.7	97.7	8.0	8.0	2.3	2.3	4					
						4.4	0.3	199	15.8	15.8	7.7	7.7	31.4	31.4	97.4	97.4	8.0	8.0	3.1	3.1	5					
					Middle	4.4	0.4	213	15.8	15.8	7.7	7.7	31.4	31.4	97.4	97.4	8.0	8.0	3.1	3.1	6					
						7.8	0.4	193	15.3	15.3	7.7	7.7	33.9	33.9	96.5	96.5	7.8	7.8	4.2	4.2	4					
						7.8	0.4	198	15.4	15.4	7.7	7.7	33.9	33.9	96.5	96.5	7.8	7.8	4.1	4.1	6					
IM4	Cloudy	Moderate	10:40	8.2	Surface	1.0	0.4	217	16.5	16.5	7.7	7.7	28.4	28.4	98.3	98.3	8.1	8.1	2.1	2.1	2	4	819580	805023		
						1.0	0.4	230	16.5	16.5	7.7	7.7	28.4	28.4	98.3	98.3	8.1	8.1	2.1	2.1	3					
						4.1	0.3	186	15.8	15.8	7.7	7.7	30.8	30.9	97.5	97.5	8.0	8.0	3.3	3.3	3					
					Middle	4.1	0.3	187	15.7	15.7	7.7	7.7	30.9	30.9	97.4	97.4	8.0	8.0	3.3	3.3	4					
						7.2	0.3	197	15.4	15.4	7.7	7.7	34.0	34.0	96.4	96.4	7.8	7.8	3.7	3.7	5					
						7.2	0.3	199	15.4	15.4	7.7	7.7	34.0	34.0	96.4	96.4	7.8	7.8	3.6	3.6	6					
IM5	Cloudy	Moderate	10:49	7.1	Surface	1.0	0.4	189	16.5	16.5	7.7	7.7	26.1	26.2	97.6	97.6	8.1	8.0	3.5	3.5	2	6	820549	804942		
						1.0	0.4	195	16.5	16.5	7.7	7.7	26.2	26.2	97.6	97.6	8.1	8.0	3.5	3.5	<2					
						3.6	0.4	161	15.7	15.7	7.7	7.7	31.2	31.2	96.6	96.6	7.9	7.9	5.7	5.7	5					
					Middle	3.6	0.4	163	15.7	15.7	7.7	7.7	31.2	31.2	96.6	96.6	7.9	7.9	5.8	5.8	4					
						6.1	0.4	138	15.3	15.3	7.7	7.7	33.8	33.8	96.5	96.5	7.8	7.8	8.6	8.6	10					
						6.1	0.4	145	15.4	15.4	7.7	7.7	33.7	33.8	96.5	96.5	7.9	7.9	8.6	8.6	10					
IM6	Cloudy	Moderate	10:57	0.2	Surface	1.0	0.3	195	16.4	16.4	7.7	7.7	27.3	27.3	96.8	96.8	8.0	8.0	2.7	2.7	7	7	821076	805847		
						1.0	0.3	207	16.4	16.4	7.7	7.7	27.3	27.3	96.8	96.8	8.0	8.0	2.7	2.7	6					
						0.1	0.3	162	15.8	15.8	7.7	7.7	30.7	30.7	96.4	96.4	7.9	7.9	4.2	4.2	6					
					Middle	0.1	0.3	170	15.7	15.7	7.7	7.7	30.7	30.7	96.4	96.4	7.9	7.9	4.2	4.2	6					
						-0.8	0.3	154	15.5	15.5	7.7	7.7	33.5	33.5	96.0	96.0	7.8	7.8	4.8	4.8	9					
						-0.8	0.3	155	15.5	15.5	7.7	7.7	33.5	33.5	96.0	96.0	7.8	7.8	4.8	4.8	7					
IM7	Cloudy	Moderate	11:06	8.3	Surface	1.0	0.3	168	16.2	16.2	7.7	7.7	28.8	28.8	97.1	97.1	8.0	8.0	2.5	2.5	5	6	821358	806821		
						1.0	0.3	179	16.2	16.2	7.7	7.7	28.8	28.8	97.1	97.1	8.0	8.0	2.5	2.5	5					
						4.2	0.3	131	15.7	15.7	7.7	7.7	31.6	31.6	96.5	96.5	7.9	7.9	3.5	3.5	6					
					Middle	4.2	0.3	140	15.7	15.7	7.7	7.7	31.7	31.7	96.5	96.5	7.9	7.9	3.5	3.5	7					
						7.3	0.3	128	15.5	15.5	7.7	7.7	33.5	33.5	96.6	96.6	7.9	7.9	3.9	3.9	6					
						7.3	0.3	138	15.5	15.5	7.7	7.7	33.5	33.5	96.7	96.7	7.9	7.9	3.9	3.9	7					
IM8	Cloudy	Moderate	10:56	8.8	Surface	1.0	0.3	135	19.9	19.9	8.0	8.0	22.8	22.8	93.8	93.8	7.5	7.4	2.8	2.8	4	5	821703	807831		
						1.0	0.3	140	19.9	19.9	8.0	8.0	22.8	22.8	93.8	93.8	7.5	7.4	2.8	2.8	5					
						4.4	0.3	126	19.1	19.1	8.1	8.1	29.0	29.0	93.8	93.8	7.3	7.3	3.6	3.6	5					
					Middle	4.4	0.3	136	19.1	19.1	8.1	8.1	29.0	29.0	93.8	93.8	7.3	7.3	3.7	3.7	6					
						7.8	0.3	112	18.9	18.9	8.0	8.0	30.0	30.0	93.3	93.3	7.3	7.3	5.0	5.0	5					
						7.8	0.4	118	18.9	18.9	8.0	8.0	30.0	30.0	93.3	93.3	7.3	7.3	5.0	5.0	6					

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
					Value	Average			Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Moderate	10:43	7.5	Surface	1.0	0.5	152	20.2	20.2	8.0	8.0	22.7	22.7	92.8	92.8	7.4	7.3	2.3	3	4	822075	808817			
						1.0	0.5	152	20.2	8.0	8.0	22.7	22.7	92.8	92.8	7.4	7.3	2.4	4							
					Middle	3.8	0.6	134	19.5	19.5	8.0	8.0	27.9	27.9	92.7	92.7	7.2	7.2	3.6	4						
						3.8	0.6	137	19.5	19.5	8.0	8.0	27.9	27.9	92.7	92.7	7.2	7.2	3.6	5						
					Bottom	6.5	0.5	145	18.9	18.9	8.0	8.0	29.7	29.7	92.6	92.6	7.2	7.2	4.3	4						
						6.5	0.6	156	18.9	18.9	8.0	8.0	29.7	29.7	92.6	92.6	7.2	7.2	4.3	5						
IM10	Cloudy	Moderate	10:35	8.2	Surface	1.0	0.6	139	20.0	20.0	8.0	8.0	24.3	24.3	91.7	91.8	7.2	7.2	2.3	5	5	822226	809819			
						1.0	0.6	150	20.0	8.0	8.0	24.3	24.3	91.8	91.8	7.2	7.2	2.4	5							
					Middle	4.1	0.5	139	19.4	19.4	8.0	8.0	28.5	28.5	91.7	91.7	7.1	7.1	4.2	5						
						4.1	0.5	149	19.4	19.4	8.0	8.0	28.5	28.5	91.7	91.7	7.1	7.1	4.2	3						
					Bottom	7.2	0.5	180	19.2	19.2	8.0	8.0	29.6	29.6	90.9	90.9	7.0	7.1	9.5	5						
						7.2	0.5	192	19.2	19.2	8.0	8.0	29.6	29.6	90.9	90.9	7.1	7.1	9.6	6						
IM11	Cloudy	Moderate	10:25	8.8	Surface	1.0	0.4	118	20.0	20.0	8.0	8.0	25.0	25.3	95.0	94.5	7.5	7.3	1.6	4	4	821519	810533			
						1.0	0.4	121	19.9	19.9	8.0	8.0	25.5	25.3	93.9	94.5	7.4	7.3	1.6	4						
					Middle	4.4	0.4	125	19.4	19.4	8.0	8.0	29.0	29.0	91.3	91.3	7.1	7.1	2.7	4						
						4.4	0.4	131	19.4	19.4	8.0	8.0	29.0	29.0	91.3	91.3	7.1	7.1	2.7	3						
					Bottom	7.8	0.3	174	19.1	19.1	8.0	8.0	29.9	29.9	91.9	91.9	7.1	7.1	4.8	4						
						7.8	0.4	189	19.1	19.1	8.0	8.0	29.9	29.9	91.9	91.9	7.1	7.1	4.8	3						
IM12	Cloudy	Moderate	10:17	9.3	Surface	1.0	0.4	129	19.6	19.6	8.0	8.0	27.2	27.2	92.0	92.0	7.2	7.1	2.2	4	5	821167	811514			
						1.0	0.5	129	19.6	19.6	8.0	8.0	27.2	27.2	91.9	92.0	7.2	7.1	2.2	4						
					Middle	4.7	0.4	185	19.1	19.1	8.0	8.0	29.9	29.9	89.6	89.6	6.9	6.9	4.0	5						
						4.7	0.4	193	19.1	19.1	8.0	8.0	29.9	29.9	89.6	89.6	6.9	6.9	4.0	5						
					Bottom	8.3	0.4	136	19.1	19.1	8.0	8.0	30.1	30.1	90.4	90.4	7.0	7.0	4.7	5						
						8.3	0.5	136	19.1	19.1	8.0	8.0	30.1	30.1	90.4	90.4	7.0	7.0	4.7	5						
SR2	Cloudy	Moderate	09:53	5.2	Surface	1.0	0.4	134	19.7	19.7	8.0	8.0	27.9	27.9	93.7	93.7	7.3	7.3	2.1	4	3	821443	814149			
						1.0	0.4	144	19.7	19.7	8.0	8.0	27.9	27.9	93.7	93.7	7.3	7.3	2.1	3						
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.2	0.3	222	19.1	19.1	8.0	8.0	29.8	29.8	92.8	92.9	7.2	7.2	3.3	3						
						4.2	0.3	235	19.1	19.1	8.0	8.0	29.8	29.8	92.8	92.9	7.2	7.2	3.4	3						
SR3	Cloudy	Moderate	11:01	9.2	Surface	1.0	0.3	129	19.7	19.7	8.0	8.0	25.9	25.9	93.5	93.5	7.3	7.3	2.0	5	4	822130	807558			
						1.0	0.3	132	19.7	19.7	8.0	8.0	25.9	25.9	93.5	93.5	7.3	7.3	2.0	4						
					Middle	4.6	0.3	112	19.3	19.3	8.0	8.0	28.1	28.1	93.9	93.9	7.3	7.3	3.4	4						
						4.6	0.3	121	19.3	19.3	8.0	8.0	28.1	28.1	93.9	93.9	7.3	7.3	3.4	3						
					Bottom	8.2	0.3	137	18.9	18.9	8.0	8.0	30.0	30.0	93.7	93.7	7.3	7.3	5.5	4						
						8.2	0.3	150	18.9	18.9	8.0	8.0	30.0	30.0	93.7	93.7	7.3	7.3	5.5	4						
SR4A	Cloudy	Calm	09:33	9.7	Surface	1.0	0.3	129	16.3	16.3	7.7	7.7	29.9	29.9	96.6	96.6	7.9	7.9	2.7	5	7	817202	807792			
						1.0	0.3	137	16.3	16.3	7.7	7.7	29.9	29.9	96.6	96.6	7.9	7.9	2.8	4						
					Middle	4.9	0.4	90	15.9	15.9	7.7	7.7	30.8	30.8	96.4	96.4	7.9	7.9	4.4	6						
						4.9	0.4	98	15.9	15.9	7.7	7.7	30.8	30.8	96.4	96.4	7.9	7.9	4.5	7						
					Bottom	8.7	0.3	92	15.5	15.5	7.7	7.7	32.4	32.4	95.8	95.8	7.8	7.8	6.3	8						
						8.7	0.3	94	15.5	15.5	7.7	7.7	32.4	32.4	95.8	95.8	7.8	7.8	6.3	9						
SR5A	Cloudy	Calm	09:14	4.4	Surface	1.0	0.1	138	16.9	16.9	7.6	7.6	29.9	29.9	97.0	97.0	7.8	7.8	3.8	5	5	816579	810699			
						1.0	0.1	142	16.9	16.9	7.6	7.6	29.9	29.9	96.9	97.0	7.8	7.8	3.8	5						
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.4	0.2	138	16.6	16.6	7.6	7.6	30.4	30.4	96.9	96.9	7.8	7.8	9.9	4						
						3.4	0.2	140	16.6	16.6	7.6	7.6	30.4	30.4	96.9	96.9	7.8	7.8	10.2	4						
SR6	Cloudy	Calm	08:48	4.8	Surface	1.0	0.1	176	16.0	16.0	7.5	7.5	29.3	29.3	95.1	95.2	7.8	7.8	6.8	5	16	817916	814662			
						1.0	0.1	183	16.0	16.0	7.5	7.5	29.3	29.3	95.2	95.2	7.8	7.8	6.8	5						
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.8	0.1	157	16.0	16.0	7.5	7.5	29.4	29.4	96.9	96.9	8.0	8.0	10.8	26						
						3.8	0.1	161	16.0	16.0	7.5	7.5	29.3	29.4	97.0	97.0	8.0	8.0	10.9	28						
SR7	Cloudy	Moderate	08:48	20.7	Surface	1.0	0.4	151	18.8	18.8	7.9	7.9	31.4	31.4	88.5	88.5	6.8	6.9	2.4	3	5	823639	823736			
						1.0	0.4	159	18.8	18.8	7.9	7.9	31.4	31.4	88.5	88.5	6.8	6.8	2.4	5						
					Middle	10.4	0.3	141	18.8	18.8	7.9	7.9	31.6	31.6	89.2	89.2	6.9	6.9	2.2	5						
						10.4	0.3	141	18.8	18.8	7.9	7.9	31.6	31.6	89.2	89.2	6.9	6.9	2.2	5						
					Bottom	19.7	0.3	227	18.8	18.8	7.9	7.9	31.7	31.7	89.3	89.3	6.9	6.9	2.1	5						
						19.7	0.3	240	18.8	18.8	7.9	7.9	31.7	31.7	89.3	89.3	6.9	6.9	2.1	4						
SR8	Cloudy	Moderate	10:09	6.0	Surface	1.0	0.4	198	19.8	19.8	8.0	8.0	26.2	26.2	93.6	93.6	7.3	7.3	1.8	4	4	820431	811608			
						1.0	0.4	212	19.8	19.8	8.0	8.0	26.2	26.2	93.6	93.6	7.3	7.3	1.8	3						
					Middle	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	5.0	0.4	160	19.3	19.3	8.0	8.0	29.3	29.3	93.3	93.3	7.2	7.2	2.1	4						
						5.0	0.4	167	19.3	19.3	8.0	8.0	29.3	29.3	93.3	93.3	7.2	7.2	2.1	4						

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Rough	16:23	8.2	Surface	1.0	0.7	150	16.7	16.7	7.7	7.7	28.9	28.9	99.9	99.9	8.2	8.2	8.2	4.1	4	4	815626	804238
						1.0	0.7	153	16.7	16.7	7.7	7.7	28.9	28.9	99.8	99.8	8.2	8.2						
					Middle	4.1	0.7	137	16.7	16.7	7.7	7.7	28.9	28.9	100.0	100.0	8.2	8.2	8.2	4.1	4	4		
						4.1	0.8	142	16.7	16.7	7.7	7.7	28.9	28.9	100.0	100.0	8.2	8.2						
					Bottom	7.2	0.8	121	16.6	16.6	7.7	7.7	29.1	29.1	100.5	100.5	8.2	8.2	8.2	4.1	4	4		
						7.2	0.8	127	16.6	16.6	7.7	7.7	29.1	29.1	100.5	100.5	8.2	8.2						
C2	Cloudy	Rough	15:16	10.7	Surface	1.0	0.8	192	20.2	20.2	7.9	7.9	21.2	21.2	88.8	88.8	7.1	7.1	7.1	2.6	4	4	825679	806931
						1.0	0.9	202	20.2	20.2	7.9	7.9	21.2	21.2	88.8	88.8	7.1	7.1						
					Middle	5.4	0.5	240	19.9	19.9	7.9	7.9	26.7	26.7	89.6	89.6	7.0	7.0	8.2	2.6	4	4		
						5.4	0.5	245	19.9	19.9	7.9	7.9	26.7	26.7	89.6	89.6	7.0	7.0						
					Bottom	9.7	0.6	176	19.9	19.9	7.9	7.9	27.3	27.3	89.5	89.5	6.9	6.9	8.2	2.6	4	4		
						9.7	0.6	190	19.9	19.9	7.9	7.9	27.3	27.3	89.5	89.5	6.9	6.9						
C3	Cloudy	Rough	17:10	13.4	Surface	1.0	0.5	239	20.0	20.0	8.0	8.0	27.2	27.2	95.7	95.7	7.4	7.4	7.4	2.3	4	4	822122	817800
						1.0	0.5	240	20.0	20.0	8.0	8.0	27.2	27.2	95.7	95.7	7.4	7.4						
					Middle	6.7	0.6	257	20.0	20.0	8.0	8.0	27.5	27.5	95.1	95.1	7.4	7.4	8.2	2.3	4	4		
						6.7	0.6	259	20.0	20.0	8.0	8.0	27.5	27.5	95.1	95.1	7.4	7.4						
					Bottom	12.4	0.7	283	19.8	19.8	8.0	8.0	29.7	29.7	95.6	95.6	7.3	7.3	8.2	2.3	4	4		
						12.4	0.8	309	19.8	19.8	8.0	8.0	29.7	29.7	95.7	95.7	7.3	7.3						
IM1	Cloudy	Rough	16:03	7.1	Surface	1.0	0.7	191	16.8	16.8	7.7	7.7	28.4	28.4	99.2	99.2	8.1	8.1	8.1	4.5	6	6	818342	806457
						1.0	0.7	199	16.8	16.8	7.7	7.7	28.4	28.4	99.2	99.2	8.1	8.1						
					Middle	3.6	0.6	164	16.5	16.5	7.8	7.8	30.1	30.1	99.5	99.5	8.1	8.1	8.2	4.5	6	6		
						3.6	0.7	173	16.5	16.5	7.8	7.8	30.1	30.1	99.5	99.5	8.1	8.1						
					Bottom	6.1	0.6	161	16.4	16.5	7.7	7.7	31.5	31.5	99.7	99.7	8.0	8.0	8.2	4.5	6	6		
						6.1	0.7	165	16.5	16.5	7.7	7.7	31.4	31.4	99.7	99.7	8.0	8.0						
IM2	Cloudy	Rough	15:57	8.3	Surface	1.0	0.6	220	16.9	16.9	7.7	7.7	27.5	27.5	97.7	97.8	8.0	8.0	8.0	5.2	6	6	818851	806181
						1.0	0.6	236	16.9	16.9	7.7	7.7	27.5	27.5	97.8	97.8	8.0	8.0						
					Middle	4.2	0.3	183	16.7	16.7	7.7	7.7	28.4	28.4	97.7	97.7	8.0	8.0	8.2	5.2	6	6		
						4.2	0.4	195	16.7	16.7	7.7	7.7	28.3	28.4	97.7	97.7	8.0	8.0						
					Bottom	7.3	0.4	146	16.3	16.3	7.7	7.7	31.4	31.4	98.6	98.6	8.0	8.0	8.2	5.2	6	6		
						7.3	0.4	155	16.3	16.3	7.7	7.7	31.3	31.4	98.6	98.6	8.0	8.0						
IM3	Cloudy	Rough	15:49	8.1	Surface	1.0	0.7	215	16.7	16.7	7.7	7.7	27.4	27.4	95.8	95.8	7.9	7.9	8.0	3.9	6	6	819406	806033
						1.0	0.7	225	16.7	16.7	7.7	7.7	27.4	27.4	95.8	95.8	7.9	7.9						
					Middle	4.1	0.7	216	16.7	16.7	7.7	7.7	27.4	27.4	97.4	97.4	8.0	8.0	8.2	3.9	6	6		
						4.1	0.7	224	16.7	16.7	7.7	7.7	27.4	27.4	97.4	97.4	8.0	8.0						
					Bottom	7.1	0.8	207	16.7	16.7	7.7	7.7	29.3	29.4	98.9	99.0	8.1	8.1	8.2	3.9	6	6		
						7.1	0.8	225	16.7	16.7	7.7	7.7	29.4	29.4	99.0	99.0	8.1	8.1						
IM4	Cloudy	Rough	15:41	7.7	Surface	1.0	0.6	198	16.6	16.6	7.7	7.7	27.5	27.5	95.7	95.7	7.9	7.9	8.0	5.3	7	7	819555	805044
						1.0	0.7	206	16.6	16.6	7.7	7.7	27.5	27.5	95.7	95.7	7.9	7.9						
					Middle	3.9	0.5	203	16.6	16.6	7.7	7.7	27.7	27.7	96.9	96.9	8.0	8.0	8.2	5.3	7	7		
						3.9	0.6	213	16.6	16.6	7.7	7.7	27.7	27.7	96.9	96.9	8.0	8.0						
					Bottom	6.7	0.4	210	16.4	16.4	7.7	7.7	30.7	30.7	97.8	97.9	7.9	7.9	8.2	5.3	7	7		
						6.7	0.4	224	16.4	16.4	7.7	7.7	30.6	30.7	98.0	98.0	7.9	7.9						
IM5	Cloudy	Rough	15:33	6.6	Surface	1.0	0.7	199	16.6	16.6	7.6	7.6	27.0	27.0	94.4	94.4	7.8	7.8	7.9	8.1	11	11	820569	804904
						1.0	0.7	218	16.6	16.6	7.6	7.6	27.0	27.0	94.4	94.4	7.8	7.8						
					Middle	3.3	0.6	213	16.6	16.6	7.7	7.7	27.2	27.2	95.4	95.4	7.9	7.9	8.2	8.1	11	11		
						3.3	0.6	232	16.6	16.6	7.7	7.7	27.2	27.2	95.4	95.4	7.9	7.9						
					Bottom	5.6	0.5	233	16.4	16.4	7.7	7.7	30.1	30.1	96.5	96.6	7.9	7.9	8.2	8.1	11	11		
						5.6	0.5	235	16.4	16.4	7.7	7.7	30.1	30.1	96.6	96.6	7.9	7.9						
IM6	Cloudy	Rough	15:25	6.4	Surface	1.0	0.8	188	16.7	16.7	7.6	7.6	26.0	26.0	94.6	94.6	7.9	7.9	8.0	13.3	14	14	821066	805841
						1.0	0.8	205	16.7	16.7	7.6	7.6	26.0	26.0	94.6	94.6	7.9	7.9						
					Middle	3.2	0.7	206	16.6	16.6	7.7	7.7	26.4	26.5	96.2	96.3	8.0	8.0	8.2	13.3	14	14		
						3.2	0.7	224	16.6	16.6	7.7	7.7	26.5	26.5	96.3	96.3	8.0	8.0						
					Bottom	5.4	0.7	225	16.6	16.6	7.7	7.7	29.3	29.4	97.5	97.5	8.0	8.0	8.2	13.3	14	14		
						5.4	0.7	236	16.6	16.6	7.7	7.7	29.4	29.4	97.5	97.5	8.0	8.0						
IM7	Cloudy	Rough	15:16	7.6	Surface	1.0	0.4	228	16.8	16.8	7.7	7.7	27.1	27.1	95.4	95.4	7.9	7.9	7.9	3.8	6	6	821349	806849
						1.0	0.5	240	16.8	16.8	7.7	7.7	27.1	27.1	95.4	95.4	7.9	7.9						
					Middle	3.8	0.5	253	16.7	16.7	7.7	7.7	27.9	28.0	96.6	96.6	7.9	7.9	8.2	3.8	6	6		
						3.8	0.5	260	16.6	16.6	7.7	7.7	28.0	28.0	96.6	96.6	7.9	7.9						
					Bottom	6.6	0.4	239	16.5	16.5	7.7	7.7	30.1	30.1	97.6	97.7	7.9	7.9	8.2	3.8	6	6		
						6.6	0.4	253	16.5	16.5	7.7	7.7	30.1	30.1	97.7	97.7	7.9	7.9						
IM8	Cloudy	Rough	15:38	8.2	Surface	1.0	2.4	195	20.1	20.1	7.9	7.9	23.1	23.1	90.4	90.4	7.2	7.2	7.2	4.1	4	4	821699	807843
						1.0	2.6	211	20.1	20.1	7.9	7.9	23.1	23.1	90.4	90.4	7.2	7.2						
					Middle	4.1	0.6	205	20.1	20.1	7.9	7.9	23.6	23.6	90.3	90.3	7.1	7.1	8.2	4.1	4	4		
						4.1	0.7	224	20.1	20.1	7.9	7.9	23.6	23.6	90.3	90.3	7.1	7.1						
					Bottom	7.2	0.6	216	20.1	20.1	7.9	7.9	23.7	23.7	90.4	90.5	7.1	7.1	8.2	4.1	4	4		
						7.2	0.6	221	20.1	20.1	7.9	7.9	23.7	23.7	90.5	90.5	7.1	7.1						

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM9	Cloudy	Rough	15:52	6.9	Surface	1.0	0.7	204	20.2	7.9	7.9	23.5	23.5	91.0	91.0	7.2	3.8	4	4	822104	808812			
						1.0	0.7	212	20.2	7.9	7.9	23.5	23.5	91.0	7.2	3.7	4							
					Middle	3.5	0.7	202	20.2	7.9	7.9	23.5	23.5	91.4	91.4	7.2	4.5	4						
						3.5	0.7	218	20.2	7.9	7.9	23.5	23.5	91.4	7.2	4.5	3							
					Bottom	5.9	0.6	190	20.2	7.9	7.9	23.6	23.6	92.8	92.9	7.3	4.3	4						
						5.9	0.6	195	20.2	7.9	7.9	23.6	23.6	93.0	7.3	4.5	4							
IM10	Cloudy	Rough	16:03	6.9	Surface	1.0	0.6	220	20.3	8.0	8.0	26.6	25.2	93.0	93.0	7.2	3.0	3	4	822251	809819			
						1.0	0.7	240	20.3	7.9	8.0	23.8	23.8	93.0	7.3	3.1	4							
					Middle	3.5	0.7	246	20.3	7.9	8.0	23.8	24.2	93.0	7.3	3.2	4							
						3.5	0.7	256	20.2	8.0	8.0	24.5	24.2	93.0	7.3	3.2	4							
					Bottom	5.9	0.7	235	20.2	8.0	8.0	24.5	24.7	93.0	7.3	5.5	3							
						5.9	0.7	239	20.2	8.0	8.0	24.9	24.7	93.3	93.2	7.3	5.6	5						
IM11	Cloudy	Rough	16:11	8.1	Surface	1.0	0.7	238	20.3	7.9	7.9	24.2	24.2	93.5	93.5	7.3	3.0	5	4	821516	810557			
						1.0	0.8	250	20.3	7.9	7.9	24.2	24.2	93.5	7.3	3.1	4							
					Middle	4.1	0.7	249	20.3	8.0	8.0	24.3	24.3	93.3	93.3	7.3	4.6	4						
						4.1	0.7	263	20.3	8.0	8.0	24.3	24.3	93.3	7.3	4.6	4							
					Bottom	7.1	0.7	247	20.1	8.0	8.0	27.0	27.0	92.7	92.7	7.2	18.8	4						
						7.1	0.7	262	20.1	8.0	8.0	27.0	27.0	92.7	7.2	18.8	3							
IM12	Cloudy	Rough	16:20	8.1	Surface	1.0	0.7	270	20.3	8.0	8.0	24.3	24.3	94.9	94.9	7.4	4.1	3	4	821172	811516			
						1.0	0.8	278	20.3	8.0	8.0	24.3	24.3	94.9	7.4	3.9	4							
					Middle	4.1	0.7	279	20.3	8.0	8.0	24.4	24.4	94.7	94.7	7.4	5.0	4						
						4.1	0.8	280	20.3	8.0	8.0	24.4	24.4	94.7	7.4	5.1	4							
					Bottom	7.1	0.7	262	20.0	8.0	8.0	28.2	28.2	94.5	94.5	7.3	10.0	4						
						7.1	0.7	286	20.0	8.0	8.0	28.2	28.2	94.5	7.3	9.9	5							
SR2	Cloudy	Rough	16:46	5.0	Surface	1.0	0.2	204	19.9	8.0	8.0	27.4	27.4	92.8	92.8	7.2	9.5	11	11	821481	814162			
						1.0	0.2	204	19.9	8.0	8.0	27.4	27.4	92.8	7.2	9.5	10							
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-				-		
						2.5	-	-	-	-	-	-	-	-	-	-	-	-				-		
					Bottom	4.0	0.2	172	19.9	8.0	8.0	27.6	27.6	92.8	92.8	7.2	10.2	11						
						4.0	0.2	185	19.9	8.0	8.0	27.6	27.6	92.8	7.2	10.3	11							
SR3	Cloudy	Rough	15:32	8.9	Surface	1.0	0.9	177	20.1	7.9	7.9	22.5	22.5	90.0	90.0	7.2	4.2	4	4	822129	807571			
						1.0	0.9	185	20.1	7.9	7.9	22.5	22.5	90.0	7.2	4.2	4							
					Middle	4.5	0.6	192	20.1	7.9	7.9	23.4	23.4	90.0	90.0	7.1	4.1	5						
						4.5	0.6	195	20.1	7.9	7.9	23.3	23.3	90.0	7.1	4.3	4							
					Bottom	7.9	0.6	221	20.0	7.9	7.9	25.1	25.1	90.4	90.4	7.1	4.3	4						
						7.9	0.6	237	20.0	7.9	7.9	25.1	25.1	90.4	7.1	4.1	4							
SR4A	Cloudy	Moderate	16:50	8.0	Surface	1.0	0.5	235	16.8	7.7	7.7	30.2	30.2	99.5	99.5	8.1	13.1	13	16	817203	807799			
						1.0	0.6	235	16.8	7.7	7.7	30.2	30.2	99.5	8.1	13.2	13							
					Middle	4.0	0.5	239	16.7	7.7	7.7	30.2	30.2	99.9	99.9	8.1	14.0	16						
						4.0	0.5	254	16.7	7.7	7.7	30.2	30.2	99.9	8.1	14.1	16							
					Bottom	7.0	0.5	234	16.7	7.7	7.7	30.2	30.2	100.5	100.5	8.1	12.8	19						
						7.0	0.5	238	16.7	7.7	7.7	30.2	30.2	100.5	8.1	12.5	20							
SR5A	Cloudy	Calm	17:10	4.5	Surface	1.0	0.3	298	16.9	7.7	7.7	31.1	31.1	100.1	100.1	8.0	8.8	9	10	816597	810708			
						1.0	0.4	322	16.9	7.7	7.7	31.1	31.1	100.1	8.0	8.8	11							
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-						
						2.3	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.5	0.3	297	16.9	7.7	7.7	31.1	31.1	100.3	100.3	8.1	8.6	11						
						3.5	0.3	324	16.8	7.7	7.7	31.1	31.1	100.2	100.3	8.0	8.7	10						
SR6	Cloudy	Calm	17:39	4.6	Surface	1.0	0.2	238	16.9	7.7	7.7	28.9	28.9	98.9	98.9	8.0	8.3	11	11	817891	814669			
						1.0	0.2	249	16.9	7.7	7.7	28.9	28.9	98.9	8.0	8.4	9							
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-							
						2.3	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.6	0.2	231	16.9	7.7	7.7	29.0	29.0	100.1	100.1	8.1	8.2	12						
						3.6	0.2	251	16.9	7.7	7.7	29.0	29.0	100.1	100.1	8.1	8.0	12						
SR7	Cloudy	Rough	17:49	25.9	Surface	1.0	0.2	152	19.6	8.0	8.0	29.5	29.5	91.8	91.8	7.1	3.5	4	4	823632	823752			
						1.0	0.2	156	19.6	8.0	8.0	29.5	29.5	91.8	7.1	3.6	4							
					Middle	13.0	0.3	83	19.4	8.0	8.0	31.1	31.1	91.0	91.0	7.0	6.3	5						
						13.0	0.3	84	19.4	8.0	8.0	31.1	31.1	91.1	91.1	7.0	6.2	4						
					Bottom	24.9	0.2	85	19.4	8.0	8.0	31.2	31.2	91.9	92.0	7.0	6.7	4						
						24.9	0.2	90	19.4	8.0	8.0	31.2	31.2	92.0	7.0	6.6	4							
SR8	Cloudy	Rough	16:29	5.1	Surface	1.0	0.3	256	20.5	8.0	8.0	24.0	24.0	98.3	98.3	7.7	4.9	6	6	820421	811607			
						1.0	0.3	258	20.5	8.0	8.0	24.0	24.0	98.3	7.7	4.7	6							
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-							
						2.6	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.1	0.3	281	20.5	8.0	8.0	24.0	24.0	99.9	100.0	7.8	5.3	7						
						4.1	0.3	292	20.5	8.0	8.0	24.0	24.0	100.0	7.8	5.3	5							

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Rough	11:30	8.8	Surface	1.0	0.5	183	16.5	7.7	7.7	28.9	28.9	100.3	100.3	8.2	8.2	8.0	3.2	6	815618	804245	3	
						1.0	0.6	186	16.5	7.7	7.7	28.9	28.9	100.2	8.2	2.7								
						4.4	0.5	182	16.1	7.8	7.8	31.4	31.4	99.0	99.0	8.1							3.5	
					4.4	0.5	188	16.1	7.8	7.8	31.4	31.4	99.0	99.0	8.1	3.5								
					7.8	0.6	199	16.1	7.7	7.7	32.7	32.7	98.8	98.8	8.0	3.4								
					7.8	0.6	218	16.2	7.7	7.7	32.6	32.7	98.8	98.8	8.0	3.4								
C2	Cloudy	Rough	12:50	11.3	Surface	1.0	0.9	167	20.3	8.0	8.0	24.4	23.7	90.4	90.5	7.1	7.1	6.9	4.4	6	825694	806945	4	
						1.0	1.0	171	20.3	8.0	8.0	22.9	23.7	90.5	90.5	7.2							3.1	
						5.7	0.6	149	19.7	8.0	8.0	28.8	28.8	90.3	90.3	7.0							4.0	
					5.7	0.7	157	19.7	8.0	8.0	28.8	28.8	90.3	90.3	7.0	4.1								
					10.3	0.6	170	19.5	8.0	8.0	29.6	29.6	90.1	90.1	6.9	6.0								
					10.3	0.7	178	19.5	8.0	8.0	29.6	29.6	90.1	90.1	6.9	6.1								
C3	Cloudy	Rough	10:40	13.3	Surface	1.0	0.3	96	19.8	8.0	8.0	29.3	29.3	92.5	92.5	7.1	7.1	7.0	2.2	4	822107	817800	4	
						1.0	0.3	104	19.8	8.0	8.0	29.3	29.3	92.5	92.5	7.1							1.5	
						6.7	0.3	116	19.4	8.0	8.0	30.9	30.9	91.1	91.1	7.0							2.5	
					6.7	0.3	120	19.4	8.0	8.0	30.9	30.9	91.1	91.1	7.0	2.5								
					12.3	0.2	163	19.4	8.0	8.0	31.1	31.1	91.7	91.8	7.0	2.5								
					12.3	0.2	174	19.4	8.0	8.0	31.1	31.1	91.8	91.8	7.0	2.7								
IM1	Cloudy	Rough	11:54	7.3	Surface	1.0	0.7	161	16.7	7.7	7.7	28.7	28.7	100.3	100.3	8.2	8.2	8.0	3.4	7	818351	806470	4	
						1.0	0.8	174	16.7	7.7	7.7	28.7	28.7	100.3	100.3	8.2							2.1	
						3.7	0.7	159	16.5	7.7	7.7	29.0	29.0	99.4	99.4	8.1							3.4	
					3.7	0.7	166	16.5	7.7	7.7	29.0	29.0	99.4	99.4	8.1	3.5								
					6.3	1.0	138	16.3	7.7	7.7	31.3	31.3	98.8	98.8	8.0	4.6								
					6.3	1.1	151	16.3	7.7	7.7	31.3	31.3	98.8	98.8	8.0	4.6								
IM2	Cloudy	Rough	12:02	8.2	Surface	1.0	0.8	164	16.8	7.7	7.7	28.3	28.3	100.5	100.5	8.2	8.2	8.1	3.9	6	818861	806191	4	
						1.0	0.8	169	16.8	7.7	7.7	28.3	28.3	100.5	100.5	8.2							6.6	
						4.1	0.7	167	16.4	7.7	7.7	30.0	30.0	100.0	100.0	8.1							2.3	
					4.1	0.7	183	16.4	7.7	7.7	30.0	30.0	100.0	100.0	8.1	2.4								
					7.2	0.7	164	16.2	7.8	7.8	31.1	31.1	99.4	99.4	8.1	2.8								
					7.2	0.7	172	16.2	7.8	7.8	31.1	31.1	99.3	99.4	8.1	2.8								
IM3	Cloudy	Rough	12:11	8.4	Surface	1.0	0.8	186	17.1	7.7	7.7	26.6	26.6	100.0	100.1	8.2	8.2	8.0	2.8	7	819415	806007	5	
						1.0	0.8	199	17.0	7.7	7.7	26.6	26.6	100.1	100.1	8.2							2.3	
						4.2	0.8	193	16.4	7.7	7.7	29.9	29.9	99.5	99.5	8.1							3.0	
					4.2	0.8	202	16.4	7.7	7.7	29.9	29.9	99.5	99.5	8.1	3.0								
					7.4	0.7	179	16.3	7.7	7.7	31.7	31.7	99.0	99.0	8.0	3.0								
					7.4	0.7	194	16.4	7.7	7.7	31.6	31.6	99.0	99.0	8.0	2.9								
IM4	Cloudy	Rough	12:21	7.8	Surface	1.0	0.5	184	17.2	7.7	7.7	25.9	25.9	98.8	98.8	8.1	8.1	7.8	2.7	6	819559	805048	5	
						1.0	0.6	200	17.2	7.7	7.7	25.9	25.9	98.8	98.8	8.1							2.3	
						3.9	0.5	187	16.7	7.7	7.7	27.8	27.8	98.6	98.6	8.1							2.7	
					3.9	0.5	194	16.7	7.7	7.7	27.8	27.8	98.6	98.6	8.1	2.8								
					6.8	0.5	183	16.3	7.7	7.7	31.9	31.8	97.1	97.2	7.8	3.0								
					6.8	0.5	194	16.6	7.7	7.7	31.7	31.8	97.2	97.2	7.8	3.0								
IM5	Cloudy	Rough	12:34	6.8	Surface	1.0	1.0	169	17.2	7.6	7.6	25.3	25.3	97.3	97.3	8.0	8.0	7.9	5.6	5	820550	804910	3	
						1.0	1.1	184	17.2	7.6	7.6	25.3	25.3	97.3	97.3	8.0							3.0	
						3.4	1.0	184	16.4	7.7	7.7	30.2	30.2	97.8	97.9	8.0							6.1	
					3.4	1.0	195	16.4	7.7	7.7	30.2	30.2	97.9	97.9	8.0	6.2								
					5.8	0.9	198	16.3	7.7	7.7	31.7	31.7	99.0	99.0	7.9	7.7								
					5.8	0.9	206	16.3	7.7	7.7	31.7	31.7	98.0	98.0	7.9	7.5								
IM6	Cloudy	Rough	12:47	7.0	Surface	1.0	1.0	169	17.0	7.7	7.7	25.8	25.8	96.6	96.6	8.0	8.1	7.9	6.6	4	821059	805836	4	
						1.0	1.1	177	17.0	7.7	7.7	25.8	25.8	96.6	96.6	8.0							3.5	
						3.5	0.9	180	16.8	7.7	7.7	26.1	26.1	97.7	97.7	8.1							7.0	
					3.5	0.9	187	16.7	7.7	7.7	26.1	26.1	97.7	97.7	8.1	7.2								
					6.0	0.9	170	16.4	7.7	7.7	30.9	30.9	97.6	97.7	7.9	9.2								
					6.0	0.9	181	16.4	7.7	7.7	30.9	30.9	97.7	97.7	7.9	9.0								
IM7	Cloudy	Rough	12:56	8.0	Surface	1.0	0.8	169	17.0	7.7	7.7	25.4	25.4	96.8	96.8	8.0	8.0	7.9	5.4	7	821367	806840	4	
						1.0	0.8	172	17.0	7.7	7.7	25.4	25.4	96.8	96.8	8.0							4.4	
						4.0	0.6	174	16.6	7.7	7.7	28.4	28.4	97.3	97.4	8.0							5.9	
					4.0	0.6	182	16.6	7.7	7.7	28.4	28.4	97.4	97.4	8.0	5.9								
					7.0	0.6	179	16.5	7.7	7.7	31.1	31.1	97.6	97.7	7.9	6.0								
					7.0	0.6	183	16.5	7.7	7.7	31.1	31.1	97.7	97.7	7.9	6.0								
IM8	Cloudy	Rough	12:13	8.4	Surface	1.0	0.6	140	20.3	8.0	8.0	23.6	23.4	97.8	97.8	7.7	7.6	7.5	4.2	4	821682	807841	5	
						1.0	0.6	150	20.3	8.0	8.0	23.2	23.4	97.8	97.8	7.7							3.0	
						4.2	0.5	138	20.0	8.0	8.0	26.4	26.4	96.6	96.6	7.5							3.8	
					4.2	0.5	140	20.0	8.0	8.0	26.4	26.4	96.5	96.6	7.5	3.9								
					7.4	0.5	134	19.8	8.0	8.0	27.9	27.9	96.3	96.3	7.5	5.7								
					7.4	0.5	141	19.8	8.0	8.0	27.9	27.9	96.3	96.3	7.5	5.8								

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
					Value	Average			Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA							
IM9	Cloudy	Rough	12:02	7.4	Surface	1.0	0.6	112	20.8	20.8	8.0	8.0	21.9	21.9	95.8	95.8	7.5	7.5	3.0	4	4	822076	808820				
						1.0	0.6	114	20.8	20.8	8.0	8.0	21.9	21.9	95.8	95.8	7.6	7.6	3.0	5							
					Middle	3.7	0.7	98	20.0	20.0	8.0	8.0	26.4	26.4	94.5	94.5	7.4	7.4	4.9	3							
						3.7	0.7	103	20.0	20.0	8.0	8.0	26.4	26.4	94.5	94.5	7.4	7.4	5.0	4							
					Bottom	6.4	0.5	94	19.8	19.8	8.0	8.0	27.5	27.5	94.1	94.1	7.3	7.3	7.1	3							
						6.4	0.6	101	19.8	19.8	8.0	8.0	27.5	27.5	94.1	94.1	7.3	7.3	7.2	3							
IM10	Cloudy	Rough	11:53	7.7	Surface	1.0	0.7	98	20.4	20.4	8.0	8.0	24.2	24.2	96.4	96.4	7.6	7.6	2.9	4	3	822244	809854				
						1.0	0.7	105	20.4	20.4	8.0	8.0	24.2	24.2	96.4	96.4	7.6	7.6	3.0	3							
					Middle	3.9	0.6	110	19.9	19.9	8.0	8.0	27.3	27.3	94.8	94.8	7.4	7.4	3.9	4							
						3.9	0.6	110	19.9	19.9	8.0	8.0	27.3	27.3	94.7	94.7	7.4	7.4	3.9	3							
					Bottom	6.7	0.5	111	19.9	19.9	8.0	8.0	27.8	27.8	94.9	94.9	7.4	7.4	5.2	3							
						6.7	0.5	119	19.9	19.9	8.0	8.0	27.7	27.8	94.9	94.9	7.4	7.4	5.2	3							
IM11	Cloudy	Rough	11:42	8.0	Surface	1.0	0.5	122	20.4	20.4	8.0	8.0	25.4	25.4	95.2	95.2	7.4	7.4	4.6	4	4	821481	810555				
						1.0	0.5	125	20.4	20.4	8.0	8.0	25.4	25.4	95.2	95.2	7.4	7.4	4.7	4							
					Middle	4.0	0.4	96	20.1	20.1	8.0	8.0	27.3	27.3	94.0	94.0	7.3	7.3	7.3	3							
						4.0	0.4	102	20.1	20.1	8.0	8.0	27.3	27.3	94.0	94.0	7.3	7.3	7.1	4							
					Bottom	7.0	0.3	105	19.8	19.8	8.0	8.0	28.4	28.4	92.6	92.6	7.2	7.2	8.6	5							
						7.0	0.3	109	19.8	19.8	8.0	8.0	28.4	28.4	92.6	92.6	7.1	7.1	8.8	5							
IM12	Cloudy	Rough	11:31	9.3	Surface	1.0	0.6	89	20.5	20.5	8.0	8.0	23.6	23.6	94.3	94.3	7.4	7.4	4.3	3	3	821169	811536				
						1.0	0.6	89	20.5	20.5	8.0	8.0	23.5	23.6	94.3	94.3	7.4	7.4	4.1	3							
					Middle	4.7	0.4	102	19.7	19.7	8.0	8.0	28.7	28.8	91.0	91.0	7.0	7.0	5.0	3							
						4.7	0.5	110	19.7	19.7	8.0	8.0	28.8	28.8	90.9	91.0	7.0	7.0	5.0	4							
					Bottom	8.3	0.3	124	19.6	19.6	8.0	8.0	29.2	29.2	89.0	89.0	6.9	6.9	7.4	4							
						8.3	0.4	135	19.6	19.6	8.0	8.0	29.2	29.2	89.0	89.0	6.9	6.9	7.4	3							
SR2	Cloudy	Rough	11:04	4.9	Surface	1.0	0.2	108	20.3	20.3	8.0	8.0	25.6	25.6	95.6	95.6	7.4	7.4	3.7	4	4	821456	814175				
						1.0	0.2	111	20.3	20.3	8.0	8.0	25.6	25.6	95.6	95.6	7.4	7.4	3.7	4							
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.9	0.2	128	20.1	20.1	8.0	8.0	26.7	26.7	96.3	96.3	7.5	7.5	3.3	4							
						3.9	0.2	133	20.1	20.1	8.0	8.0	26.7	26.7	96.3	96.3	7.5	7.5	3.4	3							
SR3	Cloudy	Rough	12:20	8.9	Surface	1.0	0.5	145	20.7	20.7	7.9	7.9	21.6	21.6	91.6	91.6	7.2	7.2	3.4	5	4	822133	807572				
						1.0	0.5	147	20.7	20.7	7.9	7.9	21.6	21.6	91.6	91.6	7.2	7.2	3.5	4							
					Middle	4.5	0.4	158	19.9	19.9	7.9	7.9	26.4	26.4	89.0	89.0	6.9	6.9	4.9	4							
						4.5	0.4	171	19.9	19.9	7.9	7.9	26.4	26.4	89.0	89.0	6.9	6.9	5.1	3							
					Bottom	7.9	0.5	127	19.8	19.8	8.0	8.0	27.5	27.5	92.4	92.4	7.2	7.2	7.2	3							
						7.9	0.5	132	19.8	19.8	8.0	8.0	27.5	27.5	92.4	92.4	7.2	7.2	7.4	3							
SR4A	Cloudy	Calm	11:07	9.4	Surface	1.0	0.4	83	16.8	16.8	7.7	7.7	28.3	28.3	99.9	99.9	8.2	8.2	3.7	3	5	817196	807805				
						1.0	0.5	86	16.8	16.8	7.7	7.7	28.3	28.3	99.9	99.9	8.2	8.2	3.7	4							
					Middle	4.7	0.4	81	16.7	16.7	7.7	7.7	28.5	28.5	99.4	99.4	8.1	8.1	4.7	4							
						4.7	0.4	85	16.7	16.7	7.7	7.7	28.5	28.5	99.3	99.3	8.1	8.1	4.8	4							
					Bottom	8.4	0.4	100	16.6	16.6	7.7	7.7	29.0	29.0	99.0	99.0	8.1	8.1	6.4	6							
						8.4	0.4	109	16.6	16.6	7.7	7.7	29.0	29.0	99.0	99.0	8.1	8.1	6.4	7							
SR5A	Cloudy	Calm	10:47	4.5	Surface	1.0	0.2	110	17.1	17.1	7.7	7.7	29.3	29.3	99.1	99.1	8.0	8.0	7.0	9	9	816592	810714				
						1.0	0.2	115	17.1	17.1	7.7	7.7	29.3	29.3	99.1	99.1	8.0	8.0	6.9	9							
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.5	0.1	76	17.2	17.2	7.7	7.7	29.4	29.4	99.5	99.5	8.0	8.0	7.4	8							
						3.5	0.1	76	17.2	17.2	7.7	7.7	29.4	29.4	99.5	99.5	8.0	8.0	7.4	10							
SR6	Cloudy	Calm	10:23	4.3	Surface	1.0	0.1	102	16.7	16.7	7.6	7.6	28.6	28.6	97.3	97.3	8.0	8.0	3.9	3	7	817912	814665				
						1.0	0.2	102	16.7	16.7	7.6	7.6	28.6	28.6	97.3	97.3	8.0	8.0	4.0	5							
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.3	0.2	117	16.8	16.8	7.6	7.6	28.8	28.8	98.2	98.2	8.0	8.0	4.9	10							
						3.3	0.2	123	16.8	16.8	7.6	7.6	28.8	28.8	98.2	98.2	8.0	8.0	4.9	9							
SR7	Cloudy	Rough	09:57	18.3	Surface	1.0	0.2	215	19.4	19.4	7.9	7.9	31.1	31.1	90.1	90.1	6.9	6.9	2.6	4	3	823632	823730				
						1.0	0.2	223	19.4	19.4	7.9	7.9	31.1	31.1	90.1	90.1	6.9	6.9	2.6	4							
					Middle	9.2	0.2	139	19.3	19.3	7.9	7.9	31.5	31.5	90.1	90.1	6.9	6.9	2.7	3							
						9.2	0.2	147	19.3	19.3	7.9	7.9	31.5	31.5	90.1	90.1	6.9	6.9	2.7	2							
					Bottom	17.3	0.2	174	19.3	19.3	7.8	7.8	31.6	31.6	91.5	91.5	7.0	7.0	3.4	3							
						17.3	0.2	174	19.3	19.3	7.8	7.8	31.6	31.6	91.5	91.5	7.0	7.0	3.5	3							
SR8	Cloudy	Rough	11:23	5.8	Surface	1.0	0.3	147	20.4	20.4	8.0	8.0	26.1	26.1	95.0	95.0	7.4	7.4	4.3	4	5	820410	811574				
						1.0	0.3	155	20.4	20.4	8.0	8.0	26.1	26.1	95.0	95.0	7.4	7.4	4.3	5							
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	4.8	0.3	138	19.7	19.7	8.0	8.0	29.0	29.0	94.4	94.4	7.3	7.3	4.3	5							
						4.8	0.3	146	19.7	19.7	8.0	8.0	29.0	29.0	94.4	94.4	7.3	7.3	4.5	5							

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 March 17 during Mid-Flood Tide

	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)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	07:15	8.9	Surface	1.0	0.8	58	15.8	7.8	7.8	33.4	33.4	98.5	98.5	8.0	8.0	9.9	17.4	13	815625	804227	12	
						1.0	0.9	60	15.8	7.8	7.8	33.4	33.4	98.5	98.5	8.0							12	
						4.5	0.8	68	15.7	7.8	7.8	34.5	34.5	98.1	98.1	7.9							13	
					4.5	0.9	72	15.7	7.8	7.8	34.5	34.5	98.1	98.1	7.9	14								
					7.9	0.9	56	15.7	7.8	7.8	34.9	34.9	97.9	97.9	7.9	13								
					7.9	0.9	57	15.7	7.8	7.8	34.9	34.9	97.9	97.9	7.9	14								
C2	Fine	Moderate	08:17	12.6	Surface	1.0	0.4	269	19.5	7.9	7.9	27.0	27.0	89.3	89.3	7.0	7.0	10.3	14.6	11	825663	806960	8	
						1.0	0.4	290	19.5	7.9	7.9	27.0	27.0	89.3	89.3	7.0							10	
						6.3	0.3	146	19.4	7.9	7.9	27.9	27.9	90.3	90.3	7.0							11	
					6.3	0.3	155	19.4	7.9	7.9	27.9	27.9	90.3	90.3	7.0	12								
					11.6	0.3	73	19.3	8.0	8.0	28.8	28.8	91.4	91.4	7.1	13								
					11.6	0.3	74	19.3	7.9	8.0	28.8	28.8	91.4	91.4	7.1	13								
C3	Fine	Calm	06:10	11.5	Surface	1.0	0.6	269	19.3	8.0	8.0	30.8	30.8	91.1	91.1	7.0	7.0	7.5	11.2	9	822093	817804	10	
						1.0	0.6	271	19.3	8.0	8.0	30.8	30.8	91.1	91.1	7.0							10	
						5.8	0.5	270	19.2	7.9	7.9	30.8	30.8	90.7	90.7	7.0							9	
					5.8	0.6	289	19.2	7.9	7.9	30.8	30.8	90.7	90.7	7.0	9								
					10.5	0.5	271	19.2	7.9	7.9	30.9	30.9	90.7	90.7	7.0	9								
					10.5	0.5	276	19.2	7.9	7.9	30.9	30.9	90.8	90.8	7.0	9								
IM1	Sunny	Moderate	07:31	8.1	Surface	1.0	0.5	139	15.8	7.8	7.8	33.8	33.9	97.8	97.9	7.9	7.9	15.1	18.9	19	818361	806474	18	
						1.0	0.5	145	15.8	7.8	7.8	33.9	33.9	97.9	97.9	7.9							18	
						4.1	0.5	53	15.8	7.8	7.8	34.0	34.0	97.9	98.0	7.9							18	
					4.1	0.6	56	15.8	7.8	7.8	34.0	34.0	98.0	98.0	7.9	18								
					7.1	0.5	54	15.7	7.8	7.8	34.5	34.5	97.9	97.9	7.9	22								
					7.1	0.5	56	15.7	7.8	7.8	34.5	34.5	97.9	97.9	7.9	23								
IM2	Sunny	Moderate	07:37	8.9	Surface	1.0	0.7	200	15.8	7.8	7.8	34.4	34.4	98.9	98.9	7.9	7.9	11.0	16.2	16	818842	806176	16	
						1.0	0.7	201	15.8	7.8	7.8	34.4	34.4	98.9	98.9	7.9							15	
						4.5	0.7	115	15.8	7.8	7.8	34.4	34.4	98.6	98.7	7.9							17	
					4.5	0.8	121	15.8	7.8	7.8	34.4	34.4	98.7	98.7	7.9	16								
					7.9	0.7	105	15.7	7.8	7.8	34.8	34.8	98.4	98.4	7.9	17								
					7.9	0.7	109	15.7	7.8	7.8	34.8	34.8	98.4	98.4	7.9	16								
IM3	Sunny	Moderate	07:44	9.1	Surface	1.0	0.8	119	15.8	7.8	7.8	34.8	34.8	99.1	99.1	7.9	7.9	14.1	17.2	19	819394	806035	18	
						1.0	0.8	125	15.8	7.8	7.8	34.8	34.8	99.1	99.1	7.9							20	
						4.6	0.8	100	15.8	7.8	7.8	34.9	34.9	98.9	98.9	7.9							19	
					4.6	0.8	107	15.8	7.8	7.8	34.9	34.9	98.8	98.8	7.9	20								
					8.1	0.7	110	15.8	7.8	7.8	34.9	34.9	98.8	98.8	7.9	20								
					8.1	0.8	118	15.8	7.8	7.8	34.9	34.9	98.8	98.8	7.9	18								
IM4	Sunny	Moderate	07:54	8.6	Surface	1.0	0.7	116	15.9	7.8	7.8	34.3	34.3	99.1	99.1	7.9	7.9	11.5	20.6	20	819559	805048	16	
						1.0	0.8	123	15.9	7.8	7.8	34.3	34.3	99.0	99.0	7.9							16	
						4.3	0.8	126	15.7	7.8	7.8	35.2	35.2	98.5	98.5	7.9							21	
					4.3	0.9	134	15.7	7.8	7.8	35.2	35.2	98.5	98.5	7.9	22								
					7.6	1.0	157	15.7	7.8	7.8	35.3	35.3	98.1	98.1	7.9	23								
					7.6	1.1	170	15.7	7.8	7.8	35.3	35.3	98.1	98.1	7.9	22								
IM5	Sunny	Moderate	08:01	7.5	Surface	1.0	0.7	149	15.9	7.8	7.8	34.8	34.8	99.5	99.5	7.9	7.9	11.4	16.6	18	820569	804917	18	
						1.0	0.7	153	15.9	7.8	7.8	34.8	34.8	99.4	99.4	7.9							17	
						3.8	0.7	117	15.9	7.8	7.8	34.9	34.9	99.1	99.1	7.9							14	
					3.8	0.8	118	15.9	7.8	7.8	34.9	34.9	99.1	99.1	7.9	14								
					6.5	0.8	134	15.7	7.8	7.8	35.5	35.5	98.7	98.7	7.9	19								
					6.5	0.8	139	15.7	7.8	7.8	35.5	35.5	98.7	98.7	7.9	17								
IM6	Sunny	Moderate	08:10	7.2	Surface	1.0	0.5	80	15.9	7.8	7.8	35.0	35.0	99.2	99.2	7.9	7.9	11.1	20.4	25	821076	805820	18	
						1.0	0.5	84	15.9	7.8	7.8	35.0	35.0	99.2	99.2	7.9							19	
						3.6	0.5	78	15.8	7.8	7.8	35.1	35.1	99.0	99.0	7.9							21	
					3.6	0.5	78	15.8	7.8	7.8	35.1	35.1	99.0	99.0	7.9	22								
					6.2	0.4	105	15.8	7.9	7.9	35.2	35.2	98.6	98.6	7.9	34								
					6.2	0.4	112	15.8	7.9	7.9	35.2	35.2	98.6	98.6	7.9	35								
IM7	Sunny	Moderate	08:20	8.6	Surface	1.0	0.7	129	15.9	7.8	7.8	34.8	34.8	98.9	98.9	7.9	7.9	15.2	21.2	21	821350	806850	22	
						1.0	0.8	133	15.9	7.8	7.8	34.8	34.8	98.9	98.9	7.9							20	
						4.3	0.8	102	15.9	7.8	7.8	34.8	34.8	98.7	98.8	7.9							19	
					4.3	0.9	105	15.9	7.8	7.8	34.8	34.8	98.7	98.7	7.9	20								
					7.6	0.7	103	15.8	7.8	7.8	35.0	35.0	98.7	98.7	7.9	21								
					7.6	0.7	110	15.8	7.8	7.8	35.0	35.0	98.7	98.7	7.9	21								
IM8	Fine	Moderate	07:34	9.1	Surface	1.0	0.4	140	19.3	8.0	8.0	29.6	29.6	93.7	93.7	7.3	7.3	14.8	18.3	19	821678	807840	20	
						1.0	0.4	141	19.3	8.0	8.0	29.6	29.6	93.6	93.6	7.3							20	
						4.6	0.5	78	19.2	8.0	8.0	29.8	29.8	93.7	93.7	7.3							19	
					4.6	0.5	80	19.2	8.0	8.0	29.8	29.8	93.7	93.7	7.3	19								
					8.1	0.5	67	19.2	8.0	8.0	29.9	29.9	94.0	94.0	7.3	20								
					8.1	0.5	68	19.2	8.0	8.0	29.9	29.9	94.0	94.0	7.3	18								

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA				
IM9	Fine	Moderate	07:25	7.9	Surface	1.0	0.5	251	19.5	19.5	8.0	8.0	27.9	27.9	91.0	91.1	7.1	7.1	9.8	12	15	822077	808822			
						1.0	0.5	252	19.4	19.5	8.0	8.0	27.9	27.9	91.1	91.1	7.1	7.1	9.6	13						
					Middle	4.0	0.4	254	19.3	19.3	8.0	8.0	28.3	28.3	91.1	91.1	7.1	7.1	14.8	17						
						4.0	0.5	258	19.3	19.3	8.0	8.0	28.3	28.3	91.0	91.1	7.1	7.1	14.9	16						
					Bottom	6.9	0.4	244	19.3	19.3	8.0	8.0	28.7	28.7	92.4	92.4	7.2	7.2	19.0	16						
						6.9	0.4	248	19.3	19.3	8.0	8.0	28.7	28.7	92.5	92.5	7.2	7.2	19.0	16						
IM10	Fine	Moderate	07:16	7.7	Surface	1.0	0.5	268	19.3	19.3	8.0	8.0	29.6	29.6	93.2	93.2	7.2	7.2	12.1	15	18	822248	809857			
						1.0	0.5	292	19.3	19.3	8.0	8.0	29.6	29.6	93.2	93.2	7.2	7.2	12.1	15						
					Middle	3.9	0.4	264	19.3	19.3	8.0	8.0	29.7	29.7	93.2	93.2	7.2	7.2	14.2	18						
						3.9	0.4	267	19.3	19.3	8.0	8.0	29.7	29.7	93.2	93.2	7.2	7.2	14.2	17						
					Bottom	6.7	0.4	233	19.3	19.3	7.9	7.9	29.7	29.7	94.0	94.0	7.3	7.3	14.2	21						
						6.7	0.4	240	19.3	19.3	7.9	7.9	29.7	29.7	94.0	94.0	7.3	7.3	14.2	21						
IM11	Fine	Moderate	07:07	9.4	Surface	1.0	0.5	249	19.3	19.3	8.0	8.0	30.0	30.0	94.3	94.3	7.3	7.3	12.4	19	20	821516	810560			
						1.0	0.5	268	19.3	19.3	8.0	8.0	30.0	30.0	94.3	94.3	7.3	7.3	12.6	18						
					Middle	4.7	0.4	256	19.3	19.3	8.0	8.0	30.0	30.0	94.2	94.2	7.3	7.3	13.4	18						
						4.7	0.5	271	19.3	19.3	8.0	8.0	30.0	30.0	94.2	94.2	7.3	7.3	13.4	18						
					Bottom	8.4	0.4	246	19.3	19.3	7.9	7.9	30.0	30.0	95.6	95.6	7.4	7.4	15.7	24						
						8.4	0.4	258	19.2	19.3	7.9	7.9	30.0	30.0	95.7	95.7	7.4	7.4	15.7	24						
IM12	Fine	Moderate	06:59	8.5	Surface	1.0	0.7	265	19.3	19.3	8.0	8.0	29.8	29.8	93.5	93.6	7.2	7.2	10.8	14	16	821167	811502			
						1.0	0.8	282	19.3	19.3	8.0	8.0	29.8	29.8	93.6	93.6	7.2	7.2	11.2	14						
					Middle	4.3	0.7	261	19.2	19.2	8.0	8.0	30.0	30.0	93.4	93.4	7.2	7.2	18.4	14						
						4.3	0.7	271	19.2	19.2	8.0	8.0	30.0	30.0	93.4	93.4	7.2	7.2	18.4	15						
					Bottom	7.5	0.7	269	19.2	19.2	8.0	8.0	30.0	30.0	93.8	93.8	7.2	7.2	19.0	19						
						7.5	0.7	276	19.2	19.2	8.0	8.0	30.0	30.0	93.7	93.7	7.2	7.2	18.9	17						
SR2	Fine	Moderate	06:32	5.1	Surface	1.0	0.2	239	19.2	19.2	7.9	7.9	29.9	29.9	93.6	93.6	7.2	7.2	11.6	15	15	821478	814179			
						1.0	0.2	247	19.2	19.2	7.9	7.9	29.9	29.9	93.6	93.6	7.2	7.2	11.7	14						
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.1	0.2	209	19.2	19.2	7.9	7.9	30.0	30.0	93.7	93.8	7.3	7.3	12.1	16						
						4.1	0.2	229	19.2	19.2	7.9	7.9	30.0	30.0	93.8	93.8	7.3	7.3	12.0	15						
SR3	Fine	Moderate	07:55	9.9	Surface	1.0	0.6	65	19.3	19.3	8.0	8.0	29.8	29.8	95.1	95.1	7.4	7.4	20.3	19	23	822161	807578			
						1.0	0.6	68	19.3	19.3	8.0	8.0	29.8	29.8	95.1	95.1	7.4	7.4	20.4	20						
					Middle	5.0	0.5	71	19.2	19.2	8.0	8.0	29.9	29.9	95.7	95.7	7.4	7.4	21.3	23						
						5.0	0.5	71	19.2	19.2	8.0	8.0	29.9	29.9	95.7	95.7	7.4	7.4	20.6	24						
					Bottom	8.9	0.4	110	19.3	19.3	7.7	7.7	29.9	29.9	98.1	98.1	7.6	7.6	14.0	25						
						8.9	0.5	120	19.3	19.3	7.7	7.7	29.8	29.8	98.2	98.2	7.6	7.6	13.4	24						
SR4A	Sunny	Calm	06:50	9.7	Surface	1.0	0.3	105	15.7	15.7	7.7	7.7	32.2	32.2	96.3	96.3	7.9	7.9	8.4	12	13	817193	807822			
						1.0	0.3	112	15.7	15.7	7.7	7.7	32.2	32.2	96.3	96.3	7.9	7.9	8.3	11						
					Middle	4.9	0.3	106	15.7	15.7	7.7	7.7	32.2	32.2	96.4	96.4	7.9	7.9	8.5	12						
						4.9	0.4	107	15.7	15.7	7.7	7.7	32.2	32.2	96.4	96.4	7.9	7.9	8.5	12						
					Bottom	8.7	0.3	92	15.6	15.7	7.7	7.7	32.3	32.3	96.7	96.7	7.9	7.9	9.0	16						
						8.7	0.3	99	15.7	15.7	7.7	7.7	32.3	32.3	96.7	96.7	7.9	7.9	9.0	14						
SR5A	Fine	Calm	06:31	5.2	Surface	1.0	0.1	215	15.7	15.7	7.7	7.7	31.0	31.0	95.0	95.1	7.8	7.8	7.1	14	15	816580	810688			
						1.0	0.2	230	15.7	15.7	7.7	7.7	31.0	31.0	95.1	95.1	7.8	7.8	7.2	14						
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.2	0.1	177	15.7	15.7	7.7	7.7	31.0	31.0	96.0	96.0	7.9	7.9	7.1	17						
						4.2	0.1	177	15.7	15.7	7.7	7.7	31.0	31.0	96.0	96.0	7.9	7.9	7.1	16						
SR6	Fine	Calm	06:08	4.3	Surface	1.0	0.2	175	15.7	15.7	7.6	7.6	28.6	28.6	96.4	96.4	8.0	8.0	8.4	12	13	817903	814669			
						1.0	0.2	176	15.7	15.7	7.6	7.6	28.6	28.6	96.4	96.4	8.0	8.0	8.4	12						
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.3	0.2	164	15.7	15.7	7.5	7.5	27.5	27.5	99.4	99.4	8.4	8.4	10.3	13						
						3.3	0.2	171	15.6	15.7	7.5	7.5	27.5	27.5	99.5	99.5	8.4	8.4	10.3	14						
SR7	Fine	Calm	05:34	20.0	Surface	1.0	0.2	271	19.2	19.2	7.9	7.9	30.5	30.5	90.8	90.8	7.0	7.0	4.1	6	8	823622	823735			
						1.0	0.2	287	19.2	19.2	7.9	7.9	30.5	30.5	90.8	90.8	7.0	7.0	4.2	7						
					Middle	10.0	0.2	105	19.2	19.2	7.9	7.9	30.9	30.9	90.6	90.6	7.0	7.0	7.1	7						
						10.0	0.2	112	19.2	19.2	7.9	7.9	30.9	30.9	90.6	90.6	7.0	7.0	7.2	8						
					Bottom	19.0	0.3	107	19.2	19.2	7.9	7.9	31.0	31.0	90.7	90.7	7.0	7.0	6.7	11						
						19.0	0.3	111	19.2	19.2	7.9	7.9	31.0	31.0	90.7	90.7	7.0	7.0	6.7	9						
SR8	Fine	Moderate	06:50	5.7	Surface	1.0	0.2	139	19.3	19.3	7.9	7.9	29.4	29.4	93.8	93.8	7.3	7.3	9.5	13	13	820428	811611			
						1.0	0.2	144	19.3	19.3	7.9	7.9	29.4	29.4	93.8	93.8	7.3	7.3	9.6	12						
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.7	0.2	148	19.2	19.2	7.9	7.9	29.8	29.8	94.5	94.5	7.3	7.3	10.1	13						
						4.7	0.2	156	19.2	19.2	7.9	7.9	29.8	29.8	94.5	94.5	7.3	7.3	9.9	13						

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)														
					Value	Average			Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA																
C1	Sunny	Moderate	12:38	8.9	Surface	1.0	0.6	229	16.3	16.3	7.8	7.8	34.8	34.8	101.4	101.4	8.0	8.0	8.0	5.7	5.9	8	10	815631	804259													
						1.0	0.6																			231	16.3	7.8	7.8	34.8	34.8	101.4	101.4	8.0	8.0	5.7	5.9	9
						4.5	0.4																			195	16.3	7.8	7.8	34.9	34.9	100.7	100.7	8.0	8.0	5.8	5.8	11
					Middle	4.5	0.4	198	16.3	7.8	7.8	34.9	34.9	100.7	100.7	8.0	8.0	5.8	5.8	9																		
						7.9	0.5	204	15.9	7.9	7.9	35.8	35.8	99.6	99.6	7.9	7.9	6.1	6.1	11																		
						7.9	0.5	207	15.9	7.9	7.9	35.8	35.8	99.7	99.7	7.9	7.9	6.0	6.0	13																		
C2	Fine	Moderate	11:33	12.3	Surface	1.0	0.2	111	19.8	19.8	8.0	8.0	27.2	27.2	92.7	92.7	7.2	7.2	7.2	7.7	7.2	12	13	825686	806960													
						1.0	0.3																			118	19.8	8.0	8.0	27.2	27.2	92.7	92.7	7.2	7.2	7.8	11	
						6.2	0.2																			116	19.5	8.0	8.0	28.1	28.1	92.2	92.2	7.2	7.2	13.9	11	
					Middle	6.2	0.2	117	19.5	8.0	8.0	28.1	28.1	92.2	92.2	7.2	7.2	14.0	13																			
						11.3	0.2	200	19.3	8.0	8.0	29.7	29.7	92.2	92.2	7.1	7.1	21.7	14																			
						11.3	0.2	212	19.3	8.0	8.0	29.7	29.7	92.2	92.2	7.1	7.1	21.7	14																			
C3	Fine	Moderate	13:35	12.5	Surface	1.0	0.4	61	19.7	19.7	8.0	8.0	30.3	30.3	93.5	93.5	7.2	7.2	7.2	5.9	7.2	7	9	822127	817786													
						1.0	0.5																			64	19.7	8.0	8.0	30.3	30.3	93.5	93.5	7.2	7.2	6.0	9	
						6.3	0.3																			76	19.4	8.0	8.0	30.8	30.8	91.9	91.9	7.1	7.1	8.5	10	
					Middle	6.3	0.3	82	19.4	8.0	8.0	30.8	30.8	91.9	91.9	7.1	7.1	8.6	10																			
						11.5	0.4	114	19.3	7.9	7.9	31.0	31.0	92.1	92.1	7.1	7.1	11.1	10																			
						11.5	0.4	121	19.3	7.9	7.9	31.0	31.0	92.2	92.2	7.1	7.1	11.3	9																			
IM1	Sunny	Moderate	12:20	7.7	Surface	1.0	0.5	202	16.1	16.1	7.8	7.8	34.7	34.7	99.6	99.6	7.9	7.9	7.9	8.2	7.9	12	13	818357	806442													
						1.0	0.5																			217	16.1	7.8	7.8	34.7	34.7	99.5	99.5	7.9	7.9	8.1	11	
						3.9	0.3																			194	16.1	7.8	7.8	34.7	34.7	99.4	99.4	7.9	7.9	8.3	12	
					Middle	3.9	0.4	204	16.1	7.8	7.8	34.7	34.7	99.4	99.4	7.9	7.9	8.3	13																			
						6.7	0.4	157	16.0	7.8	7.8	35.1	35.1	99.2	99.2	7.9	7.9	8.4	15																			
						6.7	0.4	170	16.0	7.8	7.8	35.0	35.0	99.3	99.3	7.9	7.9	8.3	14																			
IM2	Sunny	Moderate	12:14	8.7	Surface	1.0	0.5	226	16.1	16.1	7.8	7.8	34.7	34.7	99.6	99.6	7.9	7.9	7.9	9.1	7.9	13	14	818847	806183													
						1.0	0.5																			240	16.1	7.8	7.8	34.7	34.7	99.6	99.6	7.9	7.9	9.1	14	
						4.4	0.4																			200	16.0	7.8	7.8	34.8	34.8	99.3	99.3	7.9	7.9	9.6	14	
					Middle	4.4	0.4	202	16.0	7.8	7.8	34.9	34.9	99.3	99.3	7.9	7.9	9.6	13																			
						7.7	0.4	174	15.9	7.8	7.8	35.5	35.5	99.3	99.3	7.9	7.9	9.6	15																			
						7.7	0.4	182	15.9	7.8	7.8	35.5	35.5	99.2	99.2	7.9	7.9	9.6	16																			
IM3	Sunny	Moderate	12:06	8.8	Surface	1.0	0.6	194	16.3	16.3	7.8	7.8	34.7	34.7	100.6	100.6	8.0	8.0	8.0	7.6	8.0	10	9	819401	806006													
						1.0	0.6																			210	16.3	7.8	7.8	34.7	34.7	100.6	100.6	8.0	8.0	7.6	9	
						4.4	0.5																			158	16.2	7.8	7.8	34.8	34.8	99.8	99.8	7.9	7.9	9.5	13	
					Middle	4.4	0.5	161	16.2	7.8	7.8	34.9	34.9	99.8	99.8	7.9	7.9	9.6	11																			
						7.8	0.5	140	15.8	7.8	7.8	35.8	35.8	99.0	99.0	7.9	7.9	11.6	11																			
						7.8	0.5	152	15.8	7.8	7.8	35.8	35.8	99.0	99.0	7.9	7.9	11.4	12																			
IM4	Sunny	Moderate	11:58	8.5	Surface	1.0	0.5	195	16.1	16.1	7.8	7.8	35.3	35.3	99.6	99.6	7.9	7.9	7.9	10.4	7.9	10	12	819570	805021													
						1.0	0.6																			214	16.1	7.8	7.8	35.3	35.3	99.6	99.6	7.9	7.9	10.5	12	
						4.3	0.5																			171	16.1	7.8	7.8	35.3	35.3	99.2	99.2	7.9	7.9	13.9	14	
					Middle	4.3	0.5	184	16.1	7.8	7.8	35.3	35.3	99.2	99.2	7.9	7.9	14.1	15																			
						7.5	0.4	201	15.7	7.8	7.8	35.8	35.8	98.7	98.7	7.9	7.9	21.8	18																			
						7.5	0.4	219	15.7	7.8	7.8	35.8	35.8	98.8	98.8	7.9	7.9	21.7	17																			
IM5	Sunny	Moderate	11:51	7.4	Surface	1.0	0.5	181	16.1	16.1	7.8	7.8	35.4	35.4	99.6	99.6	7.9	7.9	7.9	11.0	7.9	16	17	820565	804932													
						1.0	0.5																			182	16.1	7.8	7.8	35.4	35.4	99.6	99.6	7.9	7.9	10.6	17	
						3.7	0.5																			163	16.0	7.8	7.8	35.5	35.5	99.2	99.2	7.9	7.9	12.0	16	
					Middle	3.7	0.5	163	16.0	7.8	7.8	35.5	35.5	99.2	99.2	7.9	7.9	12.1	17																			
						6.4	0.5	173	15.9	7.8	7.8	35.6	35.6	99.0	99.0	7.9	7.9	11.8	18																			
						6.4	0.5	181	15.9	7.8	7.8	35.6	35.6	99.1	99.1	7.9	7.9	11.7	17																			
IM6	Sunny	Moderate	11:43	7.3	Surface	1.0	0.4	190	16.0	16.0	7.8	7.8	35.1	35.1	99.6	99.6	7.9	7.9	7.9	12.1	7.9	16	17	821073	805821													
						1.0	0.5																			201	16.0	7.8	7.8	35.1	35.1	99.6	99.6	7.9	7.9	12.2	17	
						3.7	0.5																			145	15.8	7.8	7.8	35.4	35.4	98.6	98.6	7.9	7.9	16.8	17	
					Middle	3.7	0.6	146	15.8	7.8	7.8	35.4	35.4	98.6	98.6	7.9	7.9	16.9	17																			
						6.3	0.5	143	15.7	7.8	7.8	35.7	35.7	98.3	98.3	7.9	7.9	25.6	26																			
						6.3	0.5	153	15.7	7.8	7.8	35.7	35.7	98.3	98.3	7.9	7.9	25.4	27																			
IM7	Sunny	Moderate	11:34	8.8	Surface	1.0	0.5	165	16.1	16.1	7.8	7.8	34.6	34.6	99.6	99.6	7.9	7.9	7.9	10.1	7.9	16	17	821332	806845													
						1.0	0.5																			167	16.1	7.8	7.8	34.6	34.6	99.6	99.6	7.9	7.9	10.1	17	
						4.4	0.6																			92	16.0	7.8	7.8	34.7	34.7	99.1	99.1	7.9	7.9	12.6	19	
					Middle	4.4	0.6	99	16.0	7.8	7.8	34.7	34.7	99.1	99.1	7.9	7.9	12.7	17																			
						7.8	0.5	112	15.8	7.8	7.8	35.2	35.2	98.8	98.8	7.9	7.9	20.1	18																			
						7.8	0.5	119	15.8	7.8	7.8	35.2	35.2	98.8	98.8	7.9	7.9	20.6	18																			
IM8	Fine	Rough	12:04	8.7	Surface	1.0	0.5	97	19.6	19.6	8.0	8.0	30.3	30.3	98.1	98.1	7.5	7.5	7.5	11.0	7.5	12	13	821704	807825													
						1.0	0.6																			106	19.6	8.0	8.0	30.3	30.3	98.1	98.1	7.5	7.5	11.1	13	
						4.4	0.5																			93	19.3	8.0	8.0	31.3	31.3	97.7	97.7	7.5	7.5	12.9	12	
					Middle	4.4	0.5	102	19.3	8.0	8.0	31.3	31.3	97.7	97.7	7.5	7.5	13.1	13																			
						7.7	0.4	87	19.3	8.0	8.0	31.6	31.6	97.5	97.5	7.5	7.5	17.9	16																			
						7.7	0.5	94	19.3	8.0	8.0	31.6	31.6	97.5	97.5	7.5	7.5	18.1	18																			

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA					
IM9	Fine	Moderate	12:16	7.6	Surface	1.0	0.5	94	19.6	19.6	8.0	8.0	29.8	29.8	97.5	97.5	7.5	7.5	6.9	7.5	11	13	822096	808803			
						1.0	0.5	97	19.6	19.6	8.0	8.0	29.8	29.8	97.5	97.5	7.5	7.5	7.0	7.5	10						
					Middle	3.8	0.6	94	19.3	19.3	8.0	8.0	31.4	31.4	97.9	97.9	7.5	7.5	13.1	7.5	11.9				13		
						3.8	0.6	102	19.3	19.3	8.0	8.0	31.4	31.4	97.8	97.8	7.5	7.5	13.3	7.5	13						
					Bottom	6.6	0.5	95	19.3	19.3	8.0	8.0	31.6	31.6	97.6	97.6	7.5	7.5	15.6	7.5	13						
						6.6	0.6	100	19.3	19.3	8.0	8.0	31.6	31.6	97.6	97.6	7.5	7.5	15.6	7.5	14						
IM10	Fine	Moderate	12:28	7.9	Surface	1.0	0.5	114	19.8	19.8	8.0	8.0	29.4	29.4	96.4	96.4	7.4	7.4	11.3	7.4	11	12	822242	809832			
						1.0	0.6	114	19.8	19.8	8.0	8.0	29.4	29.4	96.4	96.4	7.4	7.4	11.6	7.4	12						
					Middle	4.0	0.6	96	19.6	19.6	8.0	8.0	30.5	30.5	95.7	95.7	7.3	7.3	11.9	7.3	11.9						
						4.0	0.6	98	19.6	19.6	8.0	8.0	30.5	30.5	95.7	95.7	7.3	7.3	11.9	7.3	12						
					Bottom	6.9	0.5	97	19.5	19.5	8.0	8.0	30.7	30.7	95.3	95.3	7.3	7.3	17.4	7.3	13						
						6.9	0.5	101	19.5	19.5	8.0	8.0	30.7	30.7	95.3	95.3	7.3	7.3	17.4	7.3	13						
IM11	Fine	Moderate	12:37	7.6	Surface	1.0	0.5	111	19.7	19.7	8.0	8.0	29.2	29.2	95.1	95.1	7.3	7.3	9.1	7.3	12	12	821494	810527			
						1.0	0.5	116	19.7	19.7	8.0	8.0	29.2	29.2	95.1	95.1	7.3	7.3	9.2	7.3	12						
					Middle	3.8	0.5	105	19.5	19.5	8.0	8.0	29.5	29.5	94.8	94.8	7.3	7.3	11.9	7.3	11						
						3.8	0.5	105	19.5	19.5	8.0	8.0	29.5	29.5	94.8	94.8	7.3	7.3	12.1	7.3	11						
					Bottom	6.6	0.4	95	19.3	19.3	8.0	8.0	30.1	30.1	95.0	95.0	7.3	7.3	23.9	7.3	13						
						6.6	0.4	100	19.3	19.3	8.0	8.0	30.1	30.1	95.0	95.0	7.3	7.3	23.7	7.3	15						
IM12	Fine	Moderate	12:47	9.6	Surface	1.0	0.6	98	19.6	19.6	8.0	8.0	29.1	29.1	94.7	94.7	7.3	7.3	7.3	7.3	11	10	821162	811530			
						1.0	0.6	100	19.6	19.6	8.0	8.0	29.1	29.1	94.7	94.7	7.3	7.3	7.3	7.3	10						
					Middle	4.8	0.5	114	19.3	19.3	8.0	8.0	29.7	29.7	93.8	93.8	7.3	7.3	11.5	7.3	10						
						4.8	0.5	121	19.3	19.3	8.0	8.0	29.7	29.7	93.8	93.8	7.3	7.3	11.6	7.3	10						
					Bottom	8.6	0.4	109	19.3	19.3	7.9	7.9	29.8	29.8	95.0	95.0	7.3	7.3	14.3	7.3	10						
						8.6	0.5	112	19.3	19.3	7.8	7.9	29.8	29.8	95.1	95.1	7.3	7.3	14.3	7.3	9						
SR2	Fine	Moderate	13:13	4.7	Surface	1.0	0.4	79	20.0	20.0	8.0	8.0	29.5	29.5	96.7	96.7	7.4	7.4	6.4	7.4	9	8	821468	814170			
						1.0	0.4	83	20.0	20.0	8.0	8.0	29.5	29.5	96.7	96.7	7.4	7.4	6.5	7.4	8						
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.7	0.3	65	19.6	19.6	7.9	7.9	29.9	29.9	96.5	96.5	7.4	7.4	4.7	7.4	4.7				7.4	8	
						3.7	0.4	67	19.6	19.6	7.9	7.9	29.9	29.9	96.5	96.5	7.4	7.4	4.7	7.4	4.7				7.4	7	
SR3	Fine	Moderate	11:56	9.7	Surface	1.0	0.5	130	19.8	19.8	8.0	8.0	27.7	27.7	95.3	95.4	7.4	7.4	7.7	7.4	9	10	822154	807573			
						1.0	0.5	142	19.8	19.8	8.0	8.0	27.7	27.7	95.4	95.4	7.4	7.4	7.8	7.4	8						
					Middle	4.9	0.5	105	19.6	19.6	8.0	8.0	30.4	30.4	97.6	97.6	7.5	7.5	9.9	7.5	9						
						4.9	0.5	106	19.6	19.6	8.0	8.0	30.3	30.3	97.6	97.6	7.5	7.5	10.0	7.5	9						
					Bottom	8.7	0.4	111	19.4	19.4	8.0	8.0	31.3	31.3	97.3	97.3	7.4	7.4	11.3	7.4	10						
						8.7	0.5	119	19.4	19.4	8.0	8.0	31.2	31.2	97.3	97.3	7.4	7.4	11.3	7.4	12						
SR4A	Sunny	Moderate	13:03	8.5	Surface	1.0	0.3	157	16.3	16.3	7.8	7.8	34.6	34.6	99.7	99.7	7.9	7.9	8.3	7.9	11	11	817185	807814			
						1.0	0.3	169	16.3	16.3	7.8	7.8	34.6	34.6	99.7	99.7	7.9	7.9	8.2	7.9	11						
					Middle	4.3	0.4	124	16.0	16.0	7.8	7.8	34.8	34.8	98.5	98.5	7.9	7.9	10.2	7.9	10						
						4.3	0.4	132	16.0	16.0	7.8	7.8	34.8	34.8	98.5	98.5	7.9	7.9	10.3	7.9	10						
					Bottom	7.5	0.3	136	15.8	15.8	7.8	7.8	35.0	35.0	98.7	98.7	7.9	7.9	10.8	7.9	11						
						7.5	0.3	143	15.8	15.8	7.8	7.8	35.0	35.0	98.8	98.8	7.9	7.9	10.7	7.9	12						
SR5A	Sunny	Calm	13:22	5.5	Surface	1.0	0.2	172	16.3	16.3	7.8	7.8	33.6	33.6	98.9	98.9	7.9	7.9	12.5	7.9	13	13	816573	810713			
						1.0	0.2	179	16.3	16.3	7.8	7.8	33.6	33.6	98.8	98.8	7.9	7.9	12.6	7.9	12						
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.5	0.2	136	16.1	16.1	7.8	7.8	34.3	34.3	101.6	101.6	8.1	8.1	14.3	8.1	13						
						4.5	0.2	139	16.1	16.1	7.8	7.8	34.2	34.3	101.9	101.8	8.1	8.1	13.7	8.1	15						
SR6	Sunny	Calm	13:44	4.3	Surface	1.0	0.2	122	16.5	16.5	7.8	7.8	33.3	33.3	97.3	97.3	7.8	7.8	9.4	7.8	10	10	817913	814681			
						1.0	0.2	125	16.5	16.5	7.8	7.8	33.3	33.3	97.3	97.3	7.8	7.8	9.5	7.8	10						
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.3	0.2	148	16.0	16.0	7.8	7.8	33.7	33.7	100.6	100.6	8.1	8.1	11.1	8.1	10						
						3.3	0.2	150	16.0	16.0	7.8	7.8	33.7	33.7	101.1	100.9	8.1	8.1	10.8	8.1	9						
SR7	Fine	Moderate	14:09	18.8	Surface	1.0	0.6	67	19.5	19.5	8.0	8.0	31.0	31.0	92.2	92.2	7.1	7.1	3.0	7.1	4	5	823629	823740			
						1.0	0.6	71	19.5	19.5	8.0	8.0	31.0	31.0	92.2	92.2	7.1	7.1	3.0	7.1	5						
					Middle	9.4	0.4	69	19.5	19.5	8.0	8.0	31.0	31.0	92.5	92.5	7.1	7.1	3.5	7.1	5						
						9.4	0.5	71	19.5	19.5	8.0	8.0	31.0	31.0	92.5	92.5	7.1	7.1	3.5	7.1	5						
					Bottom	17.8	0.3	80	19.4	19.4	7.9	7.9	31.1	31.1	93.4	93.5	7.2	7.2	3.7	7.2	7						
						17.8	0.3	86	19.4	19.4	7.9	7.9	31.1	31.1	93.5	93.5	7.2	7.2	3.8	7.2	5						
SR8	Fine	Moderate	12:55	5.6	Surface	1.0	0.3	145	19.5	19.5	8.0	8.0	29.7	29.7	94.3	94.4	7.3	7.3	9.6	7.3	14	15	820412	811607			
						1.0	0.3	156	19.5	19.5	8.0	8.0	29.7	29.7	94.4	94.4	7.3	7.3	9.6	7.3	16						
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.6	0.3	154	19.4	19.4	7.9	7.9	29.8	29.8	94.8	94.8	7.3	7.3	13.2	7.3	14						
						4.6	0.3	159	19.4	19.4	7.9	7.9	29.8	29.8	94.8	94.8	7.3	7.3	13.2	7.3	14						

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 30 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)											
					Value	Average			Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA															
C1	Cloudy	Moderate	08:08	8.9	Surface	1.0	0.7	83	16.3	16.3	7.8	7.8	35.1	35.1	98.4	98.5	7.8	7.8	7.8	7.8	69.7	66	132	815620	804232										
						1.0	0.7																			85	16.3	7.8	7.8	35.1	35.1	98.5	98.5	7.8	7.8
					Middle	4.5	0.7	50	16.3	16.3	7.8	7.8	35.1	35.1	98.4	98.4	7.8	7.8	7.8	7.8	7.8	7.8				7.8	88.1	168	15	825682	806933				
						4.5	0.8																									54	16.3	7.8	7.8
					Bottom	7.9	0.7	54	16.3	16.3	7.8	7.8	35.1	35.1	98.0	98.0	7.8	7.8	7.8	7.8	7.8	7.8				7.8	7.8	93.2				168	9	822093	817807
						7.9	0.7																												
C2	Cloudy	Rough	09:02	13.4	Surface	1.0	0.7	142	20.3	20.3	7.9	7.9	25.7	25.7	90.5	90.5	7.0	7.0	7.0	7.0	9.3	16	15	825682	806933										
						1.0	0.7																			144	20.3	7.9				7.9			
					Middle	6.7	0.6	109	20.2	20.2	7.9	7.9	25.9	25.9	89.3	89.3	7.0	7.0	7.0	7.0	7.0	7.0				7.0	20.2	15	9	822093	817807				
						6.7	0.7																									118			
					Bottom	12.4	0.6	245	20.1	20.1	7.9	7.9	26.6	26.6	87.9	87.9	6.8	6.8	6.8	6.8	6.8	6.8				6.8	28.7	15				51	818349	806443	
						12.4	0.6																												260
C3	Cloudy	Moderate	07:02	11.5	Surface	1.0	0.8	258	20.0	20.0	8.0	8.0	29.7	29.7	93.3	93.3	7.1	7.1	7.1	7.1	5.6	5	9	822093	817807										
						1.0	0.9																			264	20.0	8.0							8.0
					Middle	5.8	0.8	258	19.8	19.8	8.0	8.0	30.0	30.0	91.8	91.8	7.0	7.0	7.0	7.0	7.0	7.0				7.0	16.7	6	70	818857	806195				
						5.8	0.8																												271
					Bottom	10.5	0.6	270	19.8	19.8	8.0	8.0	30.1	30.1	91.8	91.8	7.0	7.0	7.0	7.0	7.0	7.0				7.0	18.5	14				70	818857	806195	
						10.5	0.6																												288
IM1	Cloudy	Moderate	08:27	8.4	Surface	1.0	0.7	57	16.5	16.5	7.8	7.8	34.4	34.4	98.4	98.4	7.8	7.8	7.8	7.8	20.3	32	51	818349	806443										
						1.0	0.7																			57	16.5	7.8							7.8
					Middle	4.2	0.6	55	16.4	16.4	7.8	7.8	34.4	34.4	98.0	98.0	7.8	7.8	7.8	7.8	7.8	7.8				7.8	29.4	52	90	819392	806013				
						4.2	0.6																												56
					Bottom	7.4	0.5	63	16.4	16.4	7.8	7.8	34.4	34.4	97.7	97.7	7.8	7.8	7.8	7.8	7.8	7.8				7.8	54.5	66				80	819392	806013	
						7.4	0.5																												68
IM2	Cloudy	Moderate	08:33	9.1	Surface	1.0	0.8	37	16.4	16.4	7.8	7.8	35.1	35.1	98.9	98.9	7.8	7.8	7.8	7.8	29.1	42	70	818857	806195										
						1.0	0.8																			40	16.4	7.8							7.8
					Middle	4.6	0.8	38	16.4	16.4	7.8	7.8	35.1	35.1	98.6	98.6	7.8	7.8	7.8	7.8	7.8	7.8				7.8	38.0	82	64	819552	805025				
						4.6	0.8																												40
					Bottom	8.1	0.6	50	16.3	16.3	7.8	7.8	35.1	35.1	98.2	98.2	7.8	7.8	7.8	7.8	7.8	7.8				7.8	53.5	91				80	819552	805025	
						8.1	0.7																												50
IM3	Cloudy	Moderate	08:41	9.2	Surface	1.0	0.7	93	16.4	16.4	7.8	7.8	35.1	35.1	98.4	98.4	7.8	7.8	7.8	7.8	51.8	85	90	819392	806013										
						1.0	0.7																			93	16.4	7.8							7.8
					Middle	4.6	0.7	91	16.3	16.3	7.8	7.8	35.1	35.1	98.2	98.2	7.8	7.8	7.8	7.8	7.8	7.8				7.8	75.4	89	80	819552	805025				
						4.6	0.8																												91
					Bottom	8.2	0.8	67	16.3	16.3	7.8	7.8	35.1	35.1	97.9	97.9	7.8	7.8	7.8	7.8	7.8	7.8				7.8	91.9	97				80	819552	805025	
						8.2	0.9																												68
IM4	Cloudy	Moderate	08:53	8.6	Surface	1.0	0.7	46	16.4	16.4	7.8	7.8	35.1	35.1	98.6	98.6	7.8	7.8	7.8	7.8	37.7	56	64	819552	805025										
						1.0	0.7																			47	16.4	7.8							7.8
					Middle	4.3	0.7	42	16.4	16.4	7.8	7.8	35.1	35.1	98.4	98.4	7.8	7.8	7.8	7.8	7.8	7.8				7.8	53.1	67	80	820573	804905				
						4.3	0.7																												42
					Bottom	7.6	0.6	51	16.4	16.4	7.8	7.8	35.1	35.1	98.1	98.1	7.8	7.8	7.8	7.8	7.8	7.8				7.8	67.7	68				80	820573	804905	
						7.6	0.7																												52
IM5	Cloudy	Rough	09:04	7.5	Surface	1.0	0.6	131	16.5	16.5	7.8	7.8	34.7	34.7	98.4	98.4	7.8	7.8	7.8	7.8	27.7	42	80	820573	804905										
						1.0	0.6																			142	16.5	7.8							7.8
					Middle	3.8	0.6	98	16.4	16.4	7.8	7.8	34.7	34.7	98.0	98.0	7.8	7.8	7.8	7.8	7.8	7.8				7.8	34.8	52	68	821063	805808				
						3.8	0.6																												105
					Bottom	6.5	0.5	100	16.4	16.4	7.8	7.8	34.7	34.7	97.6	97.6	7.7	7.7	7.7	7.7	7.7	7.7				7.7	79.3	139				95	821360	806833	
						6.5	0.6																												102
IM6	Cloudy	Rough	09:14	7.2	Surface	1.0	0.7	171	16.4	16.4	7.8	7.8	35.0	35.0	98.5	98.5	7.8	7.8	7.8	7.8	36.7	48	68	821063	805808										
						1.0	0.7																			183	16.4	7.8							7.8
					Middle	3.6	0.7	121	16.4	16.4	7.8	7.8	35.0	35.0	98.2	98.2	7.8	7.8	7.8	7.8	7.8	7.8				7.8	41.8	70	19	821700	807832				
						3.6	0.7																												124
					Bottom	6.2	0.6	99	16.4	16.4	7.8	7.8	35.0	35.0	97.9	97.9	7.8	7.8	7.8	7.8	7.8	7.8				7.8	55.2	84				19	821700	807832	
						6.2	0.7																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 30 March 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM9	Cloudy	Rough	08:18	7.9	Surface	1.0	0.6	147	20.2	8.0	8.0	26.8	26.8	92.0	92.0	7.1	7.1	10.5	14	16	822107	808826				
						1.0	0.6	157	20.2	8.0	8.0	26.8	26.8	92.0	92.0	7.1	7.1	10.5	16							
					Middle	4.0	0.6	146	20.2	20.2	8.0	8.0	26.9	26.9	92.2	92.2	7.1	7.1	11.7				16			
						4.0	0.6	149	20.2	20.2	8.0	8.0	26.9	26.9	92.2	92.2	7.1	7.1	11.7				16			
					Bottom	6.9	0.5	144	20.2	20.2	8.0	8.0	26.9	26.9	93.0	93.0	7.2	7.2	12.1				16			
						6.9	0.5	150	20.2	20.2	8.0	8.0	26.9	26.9	93.0	93.0	7.2	7.2	12.1				16			
IM10	Cloudy	Moderate	08:10	8.8	Surface	1.0	0.6	294	20.2	8.0	8.0	28.7	28.7	93.8	93.9	7.2	7.2	15.4	15	16	822254	809827				
						1.0	0.6	314	20.2	8.0	8.0	28.7	28.7	93.9	93.9	7.2	7.2	15.4	16							
					Middle	4.4	0.5	272	20.1	20.1	8.0	8.0	28.8	28.8	93.5	93.5	7.2	7.2	20.2				16			
						4.4	0.5	290	20.1	20.1	8.0	8.0	28.8	28.8	93.5	93.5	7.2	7.2	20.3				16			
					Bottom	7.8	0.4	203	20.1	20.1	8.0	8.0	29.0	29.0	93.5	93.5	7.2	7.2	30.8				16			
						7.8	0.5	209	20.1	20.1	8.0	8.0	29.0	29.0	93.5	93.5	7.2	7.2	30.9				15			
IM11	Cloudy	Moderate	08:00	8.8	Surface	1.0	0.5	262	20.1	20.1	8.0	8.0	28.9	28.9	94.0	94.1	7.2	7.2	18.5	21	24	821482	810556			
						1.0	0.5	271	20.1	20.1	8.0	8.0	28.9	28.9	94.1	94.1	7.2	7.2	18.6	21						
					Middle	4.4	0.5	273	20.1	20.1	8.0	8.0	28.9	28.9	94.0	94.0	7.2	7.2	20.2	23						
						4.4	0.6	291	20.1	20.1	8.0	8.0	28.9	28.9	94.0	94.0	7.2	7.2	20.5	25						
					Bottom	7.8	0.4	257	20.1	20.1	8.0	8.0	29.0	29.0	93.7	93.7	7.2	7.2	35.6	25						
						7.8	0.4	263	20.1	20.1	8.0	8.0	29.0	29.0	93.7	93.7	7.2	7.2	35.7	27						
IM12	Cloudy	Moderate	07:51	8.5	Surface	1.0	0.6	268	20.1	20.1	8.0	8.0	29.2	29.2	94.3	94.3	7.2	7.2	21.6	22	24	821152	811514			
						1.0	0.6	294	20.1	20.1	8.0	8.0	29.2	29.2	94.3	94.3	7.2	7.2	21.8	24						
					Middle	4.3	0.6	274	20.1	20.1	8.0	8.0	29.2	29.2	94.1	94.1	7.2	7.2	24.5	24						
						4.3	0.6	276	20.1	20.1	8.0	8.0	29.2	29.2	94.1	94.1	7.2	7.2	24.7	25						
					Bottom	7.5	0.5	268	20.1	20.1	8.0	8.0	29.2	29.2	94.0	94.0	7.2	7.2	26.0	25						
						7.5	0.5	278	20.1	20.1	8.0	8.0	29.2	29.2	94.0	94.0	7.2	7.2	26.1	24						
SR2	Cloudy	Moderate	07:23	5.2	Surface	1.0	0.6	150	20.1	20.1	8.0	8.0	29.3	29.3	94.3	94.3	7.2	7.2	20.9	24	24	821482	814177			
						1.0	0.6	156	20.1	20.1	8.0	8.0	29.3	29.3	94.3	94.3	7.2	7.2	21.0	24						
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.2	0.6	155	20.1	20.1	8.0	8.0	29.3	29.3	94.4	94.4	7.2	7.2	22.7	23						
						4.2	0.6	163	20.1	20.1	8.0	8.0	29.3	29.3	94.4	94.4	7.2	7.2	22.8	24						
SR3	Cloudy	Rough	08:37	9.9	Surface	1.0	0.9	121	20.1	20.1	8.0	8.0	28.4	28.4	93.9	93.9	7.2	7.2	21.9	16	18	822146	807556			
						1.0	1.0	130	20.1	20.1	8.0	8.0	28.4	28.4	93.9	93.9	7.2	7.2	21.9	16						
					Middle	5.0	0.9	93	20.1	20.1	8.0	8.0	28.6	28.6	93.5	93.5	7.2	7.2	36.3	16						
						5.0	0.9	96	20.1	20.1	8.0	8.0	28.6	28.6	93.5	93.5	7.2	7.2	36.3	17						
					Bottom	8.9	0.8	108	20.1	20.1	8.0	8.0	28.7	28.7	93.6	93.6	7.2	7.2	36.9	20						
						8.9	0.8	115	20.1	20.1	8.0	8.0	28.7	28.7	93.6	93.6	7.2	7.2	36.9	22						
SR4A	Cloudy	Moderate	07:43	9.8	Surface	1.0	0.3	197	16.9	16.9	7.7	7.7	32.9	32.9	96.5	96.5	7.7	7.7	12.1	14	15	817204	807820			
						1.0	0.3	203	16.9	16.9	7.7	7.7	32.9	32.9	96.5	96.5	7.7	7.7	12.2	15						
					Middle	4.9	0.2	171	16.9	16.9	7.7	7.7	32.9	32.9	96.6	96.6	7.7	7.7	12.5	16						
						4.9	0.3	173	16.9	16.9	7.7	7.7	32.9	32.9	96.6	96.6	7.7	7.7	12.5	15						
					Bottom	8.8	0.3	180	16.9	16.9	7.7	7.7	32.9	32.9	97.2	97.2	7.7	7.7	12.2	14						
						8.8	0.3	180	16.9	16.9	7.7	7.7	32.9	32.9	97.2	97.2	7.7	7.7	12.0	15						
SR5A	Cloudy	Calm	07:25	4.4	Surface	1.0	0.2	246	16.9	16.9	7.7	7.7	32.2	32.2	96.7	96.8	7.7	7.7	16.5	23	24	816605	810715			
						1.0	0.2	259	16.9	16.9	7.7	7.7	32.2	32.2	96.8	96.8	7.7	7.7	16.6	23						
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.4	0.2	255	16.9	16.9	7.7	7.7	32.2	32.2	97.2	97.2	7.8	7.8	17.8	24						
						3.4	0.2	278	16.9	16.9	7.7	7.7	32.2	32.2	97.2	97.2	7.8	7.8	17.9	24						
SR6	Cloudy	Calm	07:02	4.5	Surface	1.0	0.2	222	16.6	16.6	7.6	7.6	30.9	30.9	94.9	95.0	7.7	7.7	10.1	13	14	817895	814682			
						1.0	0.2	234	16.6	16.6	7.6	7.6	30.9	30.9	95.0	95.0	7.7	7.7	10.2	12						
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.5	0.2	215	16.6	16.6	7.6	7.6	30.7	30.6	95.6	96.1	7.7	7.8	9.7	16						
						3.5	0.2	223	16.6	16.6	7.6	7.6	30.4	30.6	96.5	96.1	7.8	7.8	9.6	16						
SR7	Cloudy	Moderate	06:30	19.2	Surface	1.0	0.3	280	20.0	20.0	8.0	8.0	29.5	29.5	92.1	92.1	7.0	7.0	5.4	7	8	823636	823730			
						1.0	0.3	286	20.0	20.0	8.0	8.0	29.5	29.5	92.1	92.1	7.0	7.0	5.3	8						
					Middle	9.6	0.2	104	19.9	19.9	8.0	8.0	29.9	29.9	91.6	91.6	7.0	7.0	5.4	9						
						9.6	0.3	110	19.9	19.9	8.0	8.0	29.9	29.9	91.6	91.6	7.0	7.0	5.3	8						
					Bottom	18.2	0.3	86	19.8	19.8	8.0	8.0	30.3	30.3	91.1	91.1	7.0	7.0	5.3	7						
						18.2	0.3	88	19.8	19.8	8.0	8.0	30.3	30.3	91.1	91.1	7.0	7.0	5.3	9						
SR8	Cloudy	Moderate	07:41	5.8	Surface	1.0	0.4	214	20.3	20.3	8.0	8.0	28.2	28.2	94.3	94.3	7.2	7.2	12.2	15	16	820415	811599			
						1.0	0.4	219	20.3	20.3	8.0	8.0	28.2	28.2	94.3	94.3	7.2	7.2	12.2	15						
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.8	0.4	233	20.2	20.2	8.0	8.0	28.6	28.6	94.7	94.7	7.3	7.3	14.1	15						
						4.8	0.4	249	20.2	20.2	8.0	8.0	28.6	28.6	94.7	94.7	7.3	7.3	14.2	17						

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 30 March 17 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Rough	13:52	8.7	Surface	1.0	0.7	226	16.6	16.6	7.8	7.8	34.7	34.7	100.5	100.5	7.9	7.9	7.3	7.5	11	815611	804259	
						1.0	0.7				233	16.6	7.8	7.8	34.7	34.7	100.4		100.5					7.9
					Middle	4.4	0.7	211	16.5	16.5	7.9	7.9	34.7	34.7	99.8	99.8	7.8	7.3						
						4.4	0.7	213	16.5	16.5	7.9	7.9	34.7	34.7	99.7	99.8	7.8	7.3						
					Bottom	7.7	0.7	218	16.5	16.5	7.9	7.9	34.8	34.8	98.2	98.1	7.7	7.7						
						7.7	0.7	237	16.5	16.5	7.9	7.9	34.8	34.8	98.0	98.1	7.7	7.8						
C2	Fine	Rough	12:47	12.4	Surface	1.0	0.7	165	20.6	20.6	8.0	8.0	26.6	26.6	93.2	93.2	7.2	7.2	9.4	13.3	13	825692	806942	
						1.0	0.7	174	20.6	20.6	8.0	8.0	26.6	26.6	93.2	93.2	7.2		9.4					
					Middle	6.2	0.7	172	20.1	20.1	8.0	8.0	28.3	28.3	92.2	92.2	7.1	11.3						
						6.2	0.7	177	20.1	20.1	8.0	8.0	28.3	28.3	92.2	92.2	7.1	11.1						
					Bottom	11.4	0.7	182	20.0	20.0	8.0	8.0	29.3	29.3	92.3	92.3	7.1	19.4						
						11.4	0.8	191	20.0	20.0	8.0	8.0	29.2	29.3	92.3	92.3	7.1	19.1						
C3	Cloudy	Moderate	14:54	12.3	Surface	1.0	0.6	107	20.1	20.1	8.0	8.0	29.6	29.6	93.6	93.6	7.1	7.1	7.8	11	822115	817811		
						1.0	0.6	117	20.1	20.1	8.0	8.0	29.6	29.6	93.5	93.6	7.1		7.9					
					Middle	6.2	0.4	103	20.0	20.0	8.0	8.0	29.8	29.8	93.2	93.2	7.1	8.7						
						6.2	0.4	109	20.0	20.0	8.0	8.0	29.8	29.8	93.2	93.2	7.1	8.7						
					Bottom	11.3	0.4	83	20.1	20.1	8.0	8.0	29.8	29.8	94.2	94.3	7.2	9.9						
						11.3	0.4	91	20.1	20.1	8.0	8.0	29.8	29.8	94.3	94.3	7.2	9.3						
IM1	Cloudy	Rough	13:35	8.2	Surface	1.0	0.4	197	16.8	16.8	7.8	7.8	34.5	34.5	100.0	100.0	7.8	7.8	9.1	13	818364	806450		
						1.0	0.4	210	16.8	16.8	7.8	7.8	34.5	34.5	99.9	99.9	7.8		9.0					
					Middle	4.1	0.4	178	16.7	16.6	7.8	7.8	34.6	34.7	99.4	99.1	7.8	8.9						
						4.1	0.4	181	16.5	16.6	7.8	7.8	34.8	34.7	99.7	99.1	7.8	9.3						
					Bottom	7.2	0.4	166	16.3	16.3	7.8	7.8	35.3	35.3	97.8	97.7	7.7	9.6						
						7.2	0.4	171	16.3	16.3	7.8	7.8	35.3	35.3	97.6	97.7	7.7	9.4						
IM2	Cloudy	Rough	13:29	8.9	Surface	1.0	0.5	215	16.8	16.8	7.8	7.8	34.1	34.1	99.6	99.6	7.8	7.8	8.4	13	818844	806196		
						1.0	0.5	232	16.8	16.8	7.8	7.8	34.1	34.1	99.6	99.6	7.8		8.4					
					Middle	4.5	0.4	169	16.7	16.7	7.8	7.8	34.5	34.5	99.3	99.3	7.8	8.4						
						4.5	0.4	174	16.6	16.7	7.8	7.8	34.5	34.5	99.2	99.3	7.8	8.2						
					Bottom	7.9	0.4	151	16.5	16.5	7.9	7.9	35.1	35.1	98.1	98.0	7.7	7.2						
						7.9	0.4	163	16.5	16.5	7.9	7.9	35.0	35.1	97.8	98.0	7.7	7.0						
IM3	Cloudy	Rough	13:21	9.0	Surface	1.0	0.5	196	16.9	16.9	7.8	7.8	33.7	33.7	100.5	100.5	7.9	7.9	8.5	13	819415	806004		
						1.0	0.5	205	16.9	16.9	7.8	7.8	33.7	33.7	100.5	100.5	7.9		8.5					
					Middle	4.5	0.5	182	16.8	16.8	7.8	7.8	34.4	34.4	100.7	100.7	7.9	8.4						
						4.5	0.5	198	16.8	16.8	7.8	7.8	34.3	34.4	100.7	100.7	7.9	8.4						
					Bottom	8.0	0.5	145	16.7	16.8	7.8	7.8	34.7	34.7	100.2	100.2	7.8	7.9						
						8.0	0.5	154	16.8	16.8	7.8	7.8	34.6	34.7	100.2	100.2	7.8	7.9						
IM4	Cloudy	Moderate	13:13	8.5	Surface	1.0	0.5	190	16.9	16.9	7.8	7.8	33.7	33.7	99.7	99.7	7.8	7.8	11.8	17	819587	805027		
						1.0	0.6	191	16.9	16.9	7.8	7.8	33.7	33.7	99.7	99.7	7.8		11.8					
					Middle	4.3	0.5	177	16.8	16.8	7.8	7.8	33.9	33.9	99.0	99.0	7.8	12.0						
						4.3	0.5	194	16.7	16.8	7.8	7.8	33.9	33.9	99.0	99.0	7.8	12.1						
					Bottom	7.5	0.5	184	16.2	16.2	7.9	7.9	35.1	35.1	97.6	97.5	7.7	12.0						
						7.5	0.5	189	16.2	16.2	7.9	7.9	35.1	35.1	97.3	97.5	7.7	11.9						
IM5	Cloudy	Moderate	13:05	7.4	Surface	1.0	0.4	162	16.9	16.9	7.8	7.8	33.3	33.3	99.2	99.3	7.8	7.8	13.6	18	820570	804911		
						1.0	0.4	174	16.9	16.9	7.8	7.8	33.3	33.3	99.3	99.3	7.8		13.5					
					Middle	3.7	0.4	148	16.6	16.6	7.8	7.8	33.4	33.5	98.1	98.0	7.8	14.7						
						3.7	0.4	160	16.6	16.6	7.8	7.8	33.5	33.5	97.9	98.0	7.8	15.1						
					Bottom	6.4	0.4	159	16.4	16.4	7.8	7.8	34.6	34.6	97.0	97.0	7.7	17.2						
						6.4	0.4	165	16.4	16.4	7.8	7.8	34.5	34.6	96.9	97.0	7.6	17.2						
IM6	Cloudy	Rough	12:57	7.3	Surface	1.0	0.5	195	17.0	17.0	7.8	7.8	33.1	33.1	99.7	99.7	7.8	7.8	11.5	17	821076	805845		
						1.0	0.6	204	17.0	17.0	7.8	7.8	33.1	33.1	99.6	99.7	7.8		11.5					
					Middle	3.7	0.6	169	16.8	16.8	7.8	7.8	33.3	33.3	98.8	98.8	7.8	13.4						
						3.7	0.6	179	16.8	16.8	7.8	7.8	33.3	33.3	98.8	98.8	7.8	13.4						
					Bottom	6.3	0.6	160	16.3	16.3	7.8	7.8	34.7	34.7	97.7	97.7	7.7	17.0						
						6.3	0.6	175	16.3	16.3	7.8	7.8	34.7	34.7	97.6	97.7	7.7	17.0						
IM7	Cloudy	Rough	12:48	8.7	Surface	1.0	0.4	175	16.7	16.7	7.8	7.8	34.1	34.1	100.2	100.2	7.9	7.9	14.4	22	821348	806830		
						1.0	0.4	186	16.7	16.7	7.8	7.8	34.1	34.1	100.2	100.2	7.9		14.7					
					Middle	4.4	0.4	103	16.7	16.7	7.8	7.8	34.0	34.0	99.6	99.5	7.8	15.9						
						4.4	0.4	109	16.7	16.7	7.8	7.8	34.0	34.0	99.4	99.5	7.8	16.2						
					Bottom	7.7	0.3	113	16.4	16.4	7.8	7.8	34.0	34.0	98.1	98.1	7.8	33.7						
						7.7	0.3	119	16.4	16.4	7.8	7.8	34.0	34.0	98.0	98.1	7.8	33.5						
IM8	Fine	Rough	13:21	8.8	Surface	1.0	0.4	166	20.5	20.5	8.0	8.0	28.6	28.6	96.5	96.6	7.4	7.4	11.7	15	821691	807833		
						1.0	0.4	175	20.5	20.5	8.0	8.0	28.6	28.6	96.6	96.6	7.4		11.9					
					Middle	4.4	0.4	114	20.1	20.1	8.0	8.0	30.3	30.3	96.8	96.8	7.4	14.4						
						4.4	0.4	123	20.1	20.1	8.0	8.0	30.3	30.3	96.8	96.8	7.4	14.5						
					Bottom	7.8	0.4	90	19.9	19.9	8.1	8.1	31.3	31.3	97.0	97.0	7.4	18.9						
						7.8	0.4	96	19.9	19.9	8.1	8.1	31.3	31.3	97.0	97.0	7.4	19.0						

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

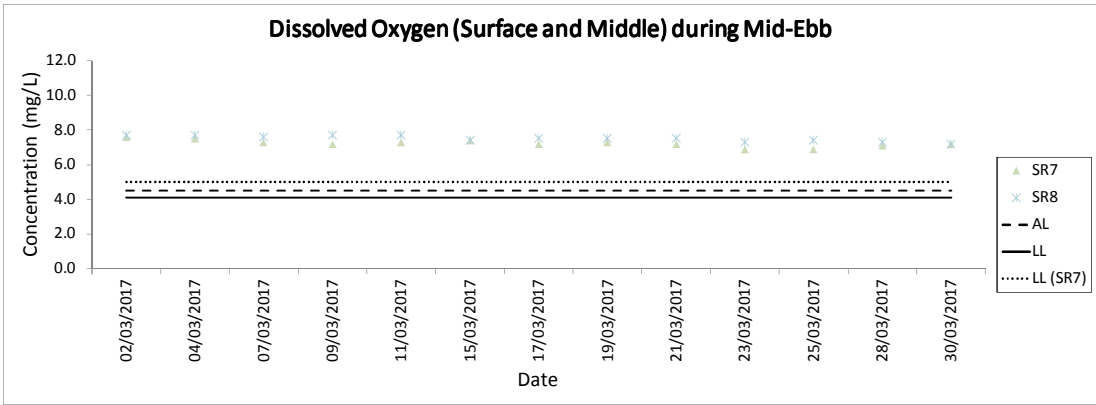
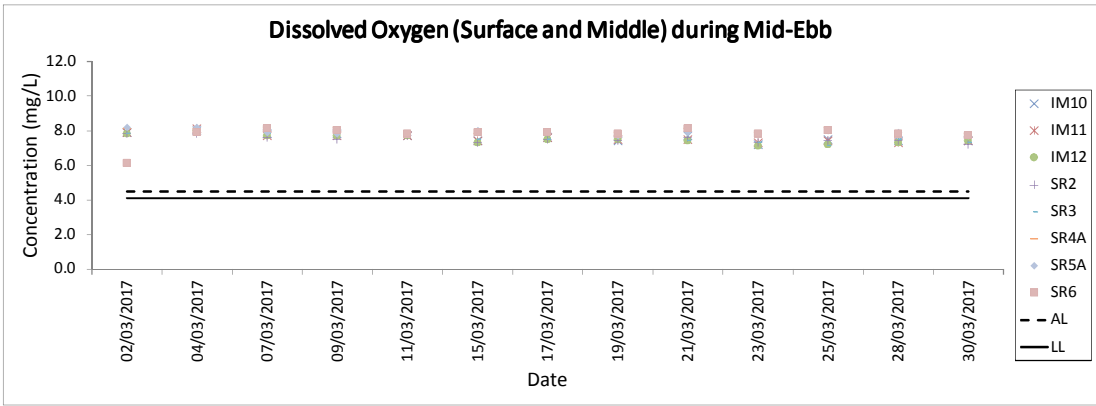
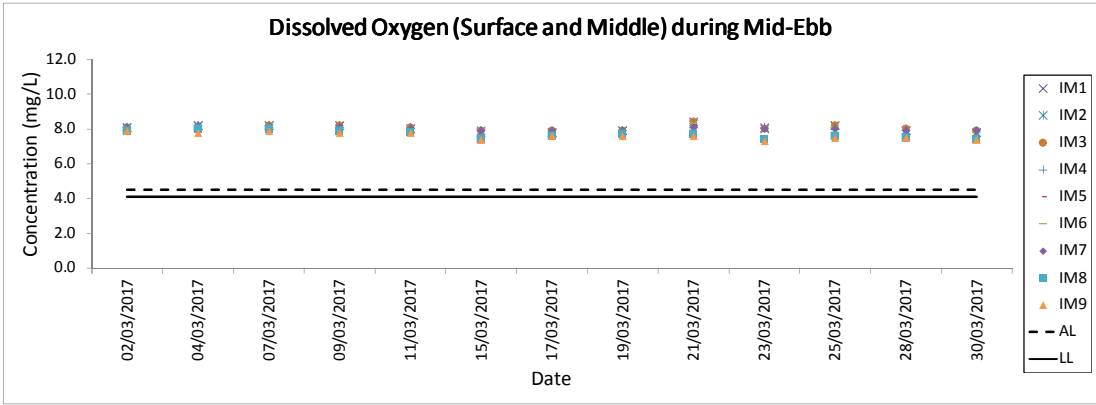
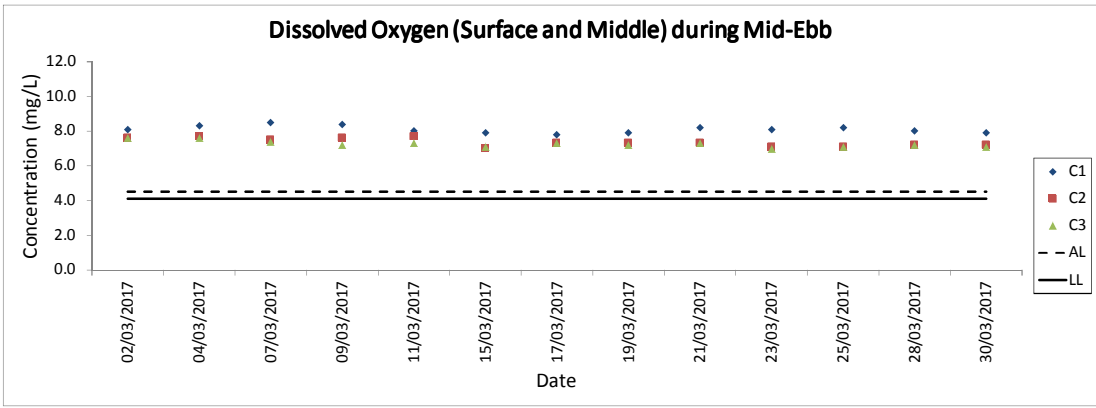
Water Quality Monitoring Results on 30 March 17 during Mid-Ebb tide

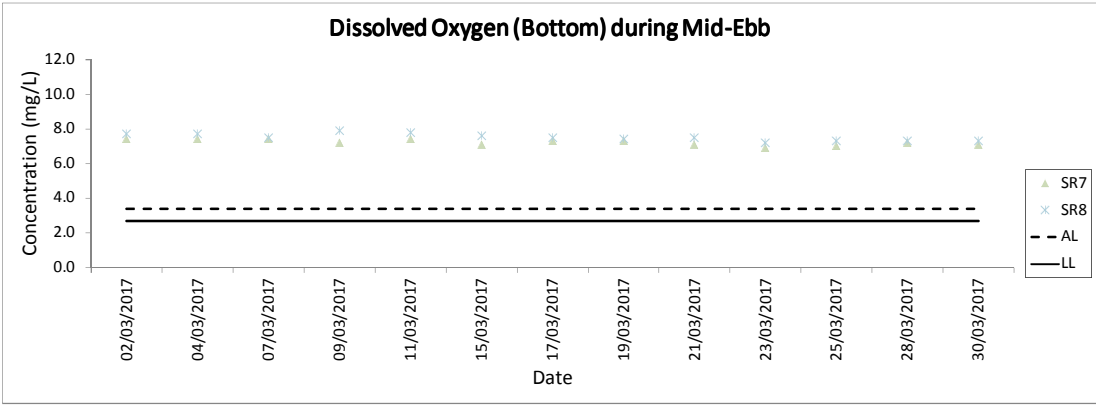
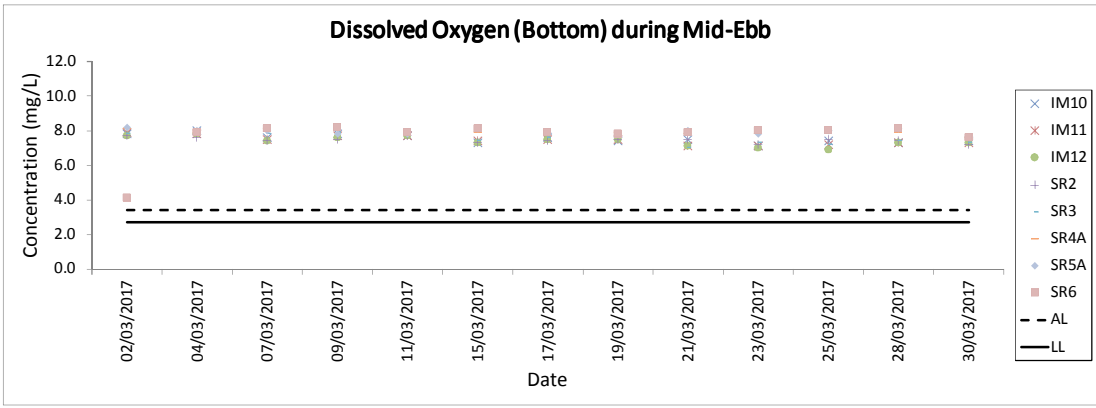
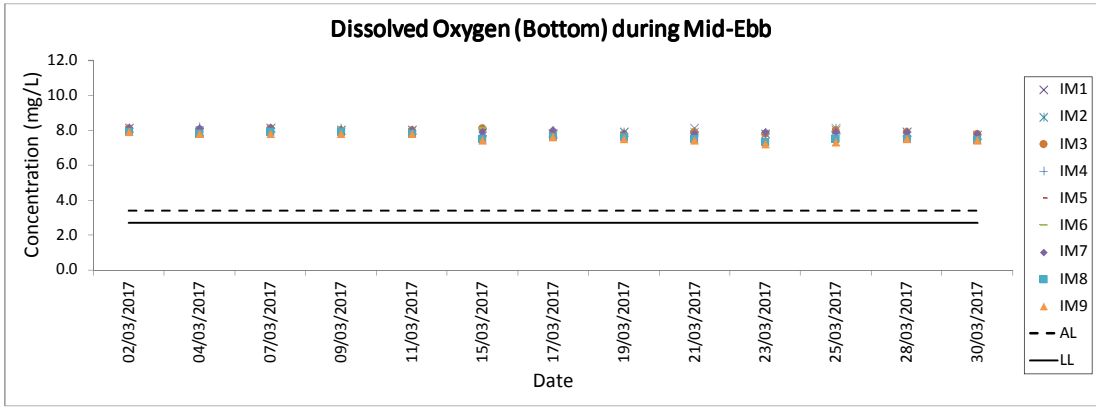
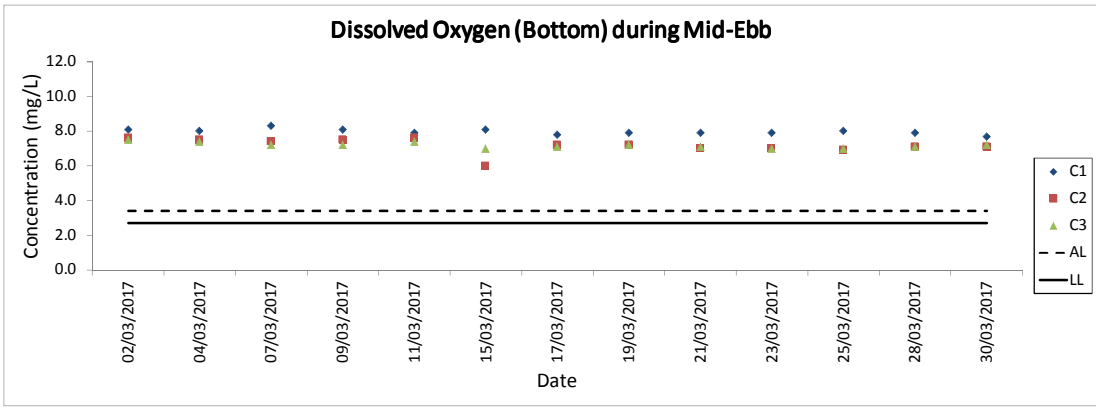
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA								
IM9	Fine	Rough	13:35	7.5	Surface	1.0	0.7	148	20.6	20.6	8.0	8.0	28.5	28.5	96.7	96.7	7.4	7.4	14.2	13	822081	808794	10.7	12						
						1.0	0.7	154	20.6	8.0	8.0	28.5	28.5	96.7	96.7	7.4	10.7						14							
					Middle	3.8	0.7	120	20.2	20.2	8.0	8.0	29.5	29.5	97.3	97.3	7.4						13.9	13						
						3.8	0.7	120	20.2	20.2	8.0	8.0	29.5	29.5	97.3	97.3	7.4						14.0	15						
					Bottom	6.5	0.8	109	20.1	20.1	8.1	8.1	31.1	31.1	97.7	97.7	7.4						17.8	13						
						6.5	0.8	113	20.1	20.1	8.1	8.1	31.1	31.1	97.7	97.7	7.4						17.8	13						
IM10	Fine	Moderate	13:46	7.9	Surface	1.0	0.8	128	20.6	20.6	8.0	8.0	28.2	28.2	96.7	96.7	7.4	7.4	15.8	14	822227	809853	10.5	12						
						1.0	0.8	131	20.6	20.6	8.0	8.0	28.2	28.2	96.7	96.7	7.4						10.6	14						
					Middle	4.0	0.7	109	20.2	20.2	8.0	8.0	29.8	29.8	96.6	96.6	7.3						15.1	13						
						4.0	0.7	111	20.2	20.2	8.0	8.0	29.8	29.8	96.6	96.6	7.3						15.2	14						
					Bottom	6.9	0.7	119	20.1	20.1	8.1	8.1	30.4	30.4	97.2	97.2	7.4						21.6	14						
						6.9	0.7	127	20.1	20.1	8.1	8.1	30.5	30.5	97.2	97.2	7.4						21.9	15						
IM11	Fine	Moderate	13:56	8.9	Surface	1.0	0.6	108	20.5	20.5	8.1	8.1	28.9	28.9	97.5	97.5	7.4	7.4	19.2	11	821486	810530	8.7	10						
						1.0	0.6	112	20.5	20.5	8.1	8.1	28.9	28.9	97.5	97.5	7.4						8.8	10						
					Middle	4.5	0.6	110	20.3	20.3	8.1	8.1	29.4	29.4	97.2	97.2	7.4						11.8	10						
						4.5	0.6	111	20.3	20.3	8.1	8.1	29.4	29.4	97.2	97.2	7.4						11.8	11						
					Bottom	7.9	0.5	108	20.0	20.0	8.2	8.2	30.8	30.8	96.7	96.7	7.3						37.2	14						
						7.9	0.6	117	20.0	20.0	8.2	8.2	30.8	30.8	96.7	96.7	7.3						36.6	13						
IM12	Cloudy	Moderate	14:06	8.6	Surface	1.0	0.9	120	20.5	20.5	8.1	8.1	28.6	28.6	96.8	96.8	7.4	7.4	18.7	14	821177	811501	11.3	13						
						1.0	0.9	125	20.5	20.5	8.1	8.1	28.6	28.6	96.8	96.8	7.4						11.3	15						
					Middle	4.3	0.8	115	20.1	20.1	8.1	8.1	29.9	29.9	95.8	95.8	7.3						18.5	13						
						4.3	0.9	118	20.1	20.1	8.1	8.1	29.9	29.9	95.7	95.7	7.3						18.5	15						
					Bottom	7.6	0.9	130	20.0	20.0	8.2	8.2	30.3	30.3	95.5	95.5	7.3						26.3	13						
						7.6	1.0	136	20.0	20.0	8.2	8.2	30.3	30.3	95.5	95.5	7.3						26.5	14						
SR2	Cloudy	Moderate	14:32	4.8	Surface	1.0	0.5	68	20.3	20.3	8.0	8.0	28.9	28.9	94.2	94.3	7.2	7.2	13.6	12	821465	814175	12.2	12						
						1.0	0.5	68	20.3	20.3	8.0	8.0	28.9	28.9	94.3	94.3	7.2						12.4	11						
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-
					Bottom	3.8	0.4	65	20.2	20.2	8.0	8.0	29.2	29.2	93.6	93.6	7.1						14.9	13						
						3.8	0.4	67	20.2	20.2	8.0	8.0	29.2	29.2	93.6	93.6	7.2						15.0	11						
SR3	Fine	Rough	13:11	9.8	Surface	1.0	0.8	175	20.5	20.5	8.0	8.0	28.5	28.5	95.9	95.9	7.3	7.3	15.8	17	822127	807589	12.9	17						
						1.0	0.8	186	20.5	20.5	8.0	8.0	28.5	28.5	95.9	95.9	7.3						12.9	16						
					Middle	4.9	0.7	145	20.2	20.2	8.0	8.0	29.4	29.4	96.1	96.2	7.3						15.9	15						
						4.9	0.7	155	20.2	20.2	8.0	8.0	29.4	29.4	96.2	96.2	7.3						15.7	17						
					Bottom	8.8	0.7	117	20.2	20.2	8.0	8.1	30.1	30.1	96.4	96.4	7.3						18.6	16						
						8.8	0.8	118	20.2	20.2	8.1	8.1	30.1	30.1	96.4	96.4	7.3						18.7	18						
SR4A	Cloudy	Moderate	14:19	9.2	Surface	1.0	0.3	196	17.1	17.1	7.8	7.8	34.7	34.7	99.9	99.9	7.8	7.8	12.3	18	817170	807819	11.9	17						
						1.0	0.3	205	17.1	17.1	7.8	7.8	34.7	34.7	99.9	99.9	7.8						11.8	17						
					Middle	4.6	0.3	139	16.9	16.9	7.8	7.8	34.9	34.9	99.0	99.0	7.7						11.5	17						
						4.6	0.3	140	16.9	16.9	7.8	7.8	34.8	34.8	98.9	98.9	7.7						11.7	19						
					Bottom	8.2	0.3	105	16.5	16.5	7.8	7.8	35.1	35.2	97.4	97.2	7.6						13.3	18						
						8.2	0.4	109	16.4	16.4	7.8	7.8	35.2	35.2	97.0	97.0	7.6						13.7	20						
SR5A	Cloudy	Calm	14:36	4.3	Surface	1.0	0.1	147	17.4	17.5	7.8	7.8	33.1	33.1	98.1	98.1	7.7	7.7	9.6	14	816586	810701	9.4	12						
						1.0	0.1	148	17.5	17.5	7.8	7.8	33.1	33.1	98.0	98.0	7.6						9.3	14						
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-
					Bottom	3.3	0.1	117	17.3	17.3	7.8	7.8	33.1	33.1	97.1	97.1	7.6						10.0	16						
						3.3	0.1	123	17.3	17.3	7.8	7.8	33.2	33.2	97.0	97.0	7.6						9.7	15						
SR6	Cloudy	Calm	15:22	4.2	Surface	1.0	0.2	105	17.4	17.4	7.8	7.8	32.9	32.9	98.0	98.0	7.7	7.7	15.1	20	817897	814656	14.7	18						
						1.0	0.2	105	17.4	17.4	7.8	7.8	32.9	32.9	98.0	98.0	7.7						14.7	20						
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-
						2.1	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-
					Bottom	3.2	0.2	131	17.4	17.4	7.8	7.8	32.8	32.8	97.3	97.3	7.6						16.0	20						
						3.2	0.2	132	17.4	17.4	7.8	7.8	32.8	32.8	97.2	97.2	7.6						14.8	20						
SR7	Cloudy	Moderate	15:23	20.0	Surface	1.0	0.5	59	20.2	20.2	8.0	8.0	30.0	30.0	94.3	94.3	7.2	7.2	6.0	8	823623	823736	5.5	8						
						1.0	0.6	59	20.2	20.2	8.0	8.0	30.0	30.0	94.2	94.2	7.2						5.5	7						
					Middle	10.0	0.3	96	20.0	20.0	8.0	8.0	30.2	30.2	92.6	92.6	7.1						6.2	9						
						10.0	0.3	104	20.0	20.0	8.0	8.0	30.2	30.2	92.6	92.6	7.1						5.9	7						
					Bottom	19.0	0.3	174	20.0	20.0	8.0	8.0	30.3	30.3	92.7	92.7	7.1						6.4	6						
						19.0	0.3	189	20.0	20.0	8.0	8.0	30.3	30.3	92.7	92.7	7.1						6.5	8						
SR8	Cloudy	Moderate	14:15	5.4	Surface	1.0	0.3	185.0	20.4	20.4	8.0	8.0	28.7	28.7	94.5	94.6	7.2	7.2	13.5	14	820428	811582	11.6	13						
						1.0	0.3	201.0	20.4	20.4	8.0	8.0	28.7	28.7	94.6	94.6	7.2						11.6	15						
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-
						2.7	-	-	-	-	-	-	-	-	-	-	-						-	-	-	-	-	-	-	-
					Bottom	4.4	0.4	137.0	20.3	20.3	8.0	8.0	29.1	29.1	95.6	95.6	7.3						15.4	14						
						4.4	0.4	147.0	20.3	20.3	8.0	8.0	29.1	29.1	95.6	95.6	7.3						15.4	15						

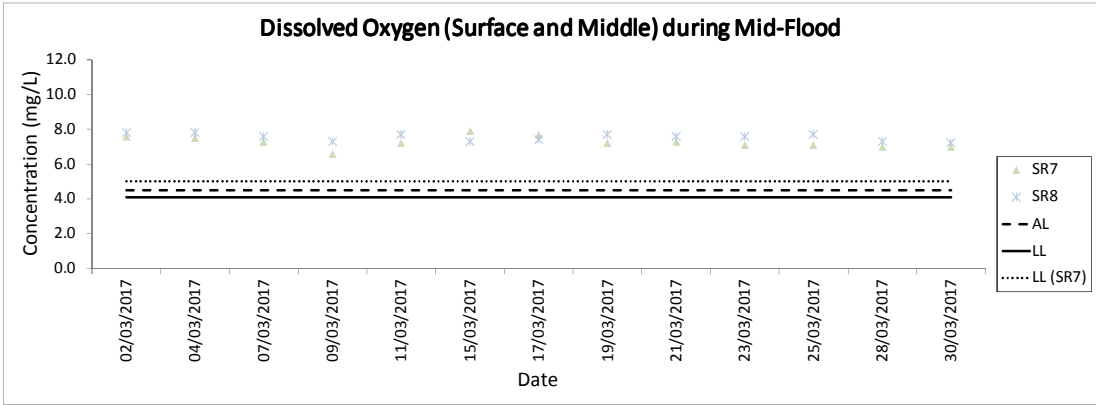
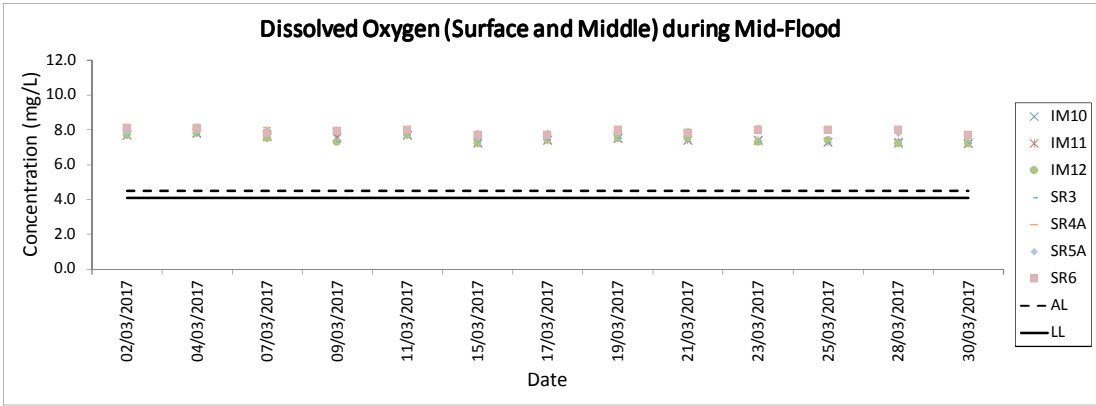
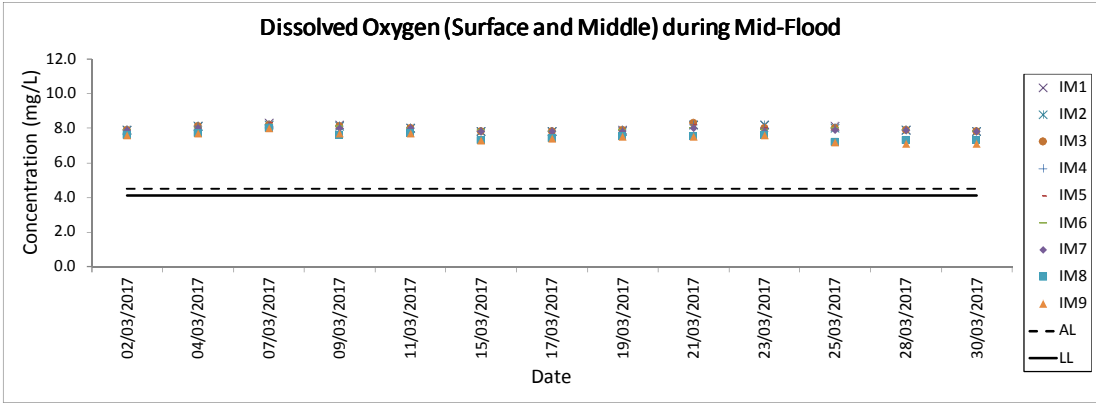
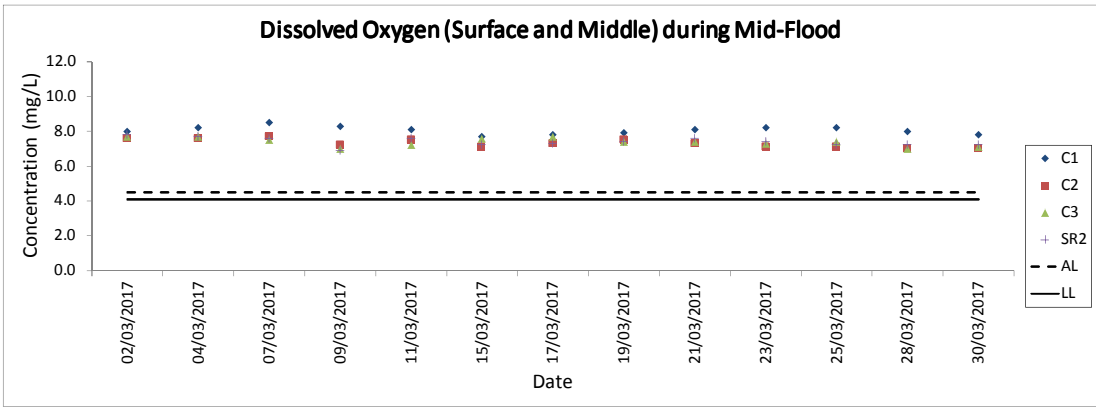
DA: Depth-Averaged

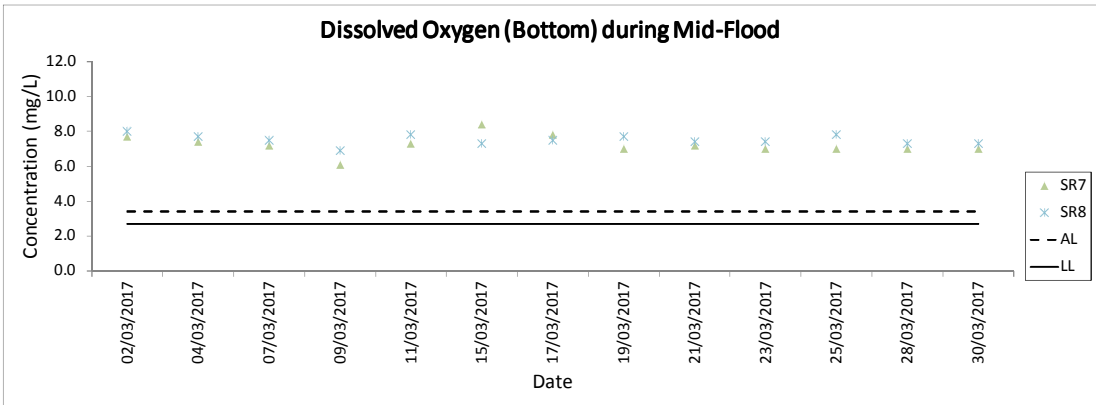
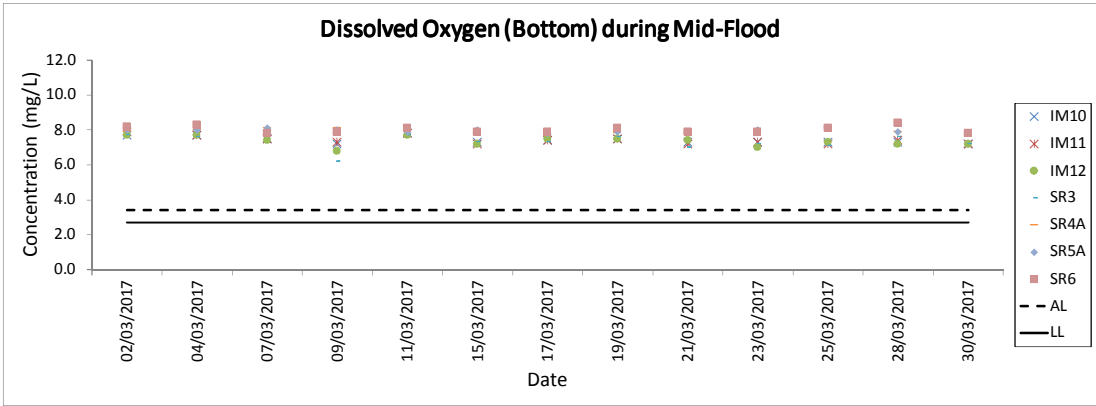
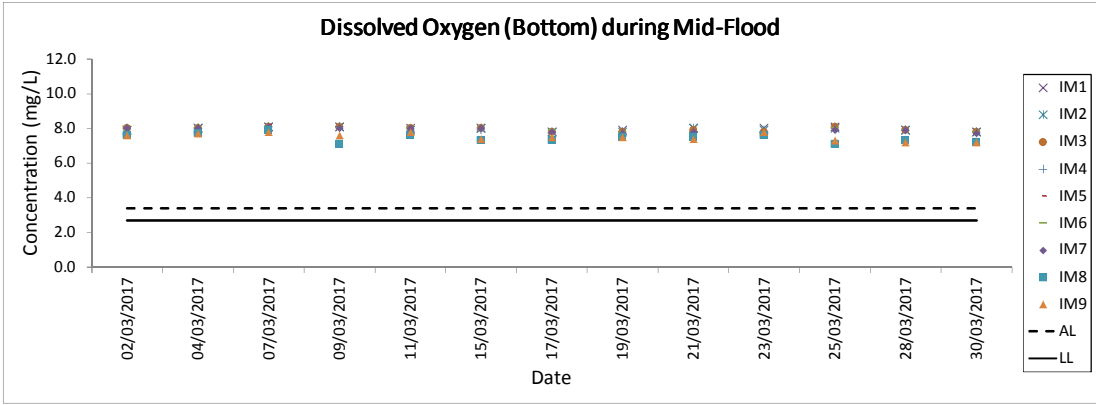
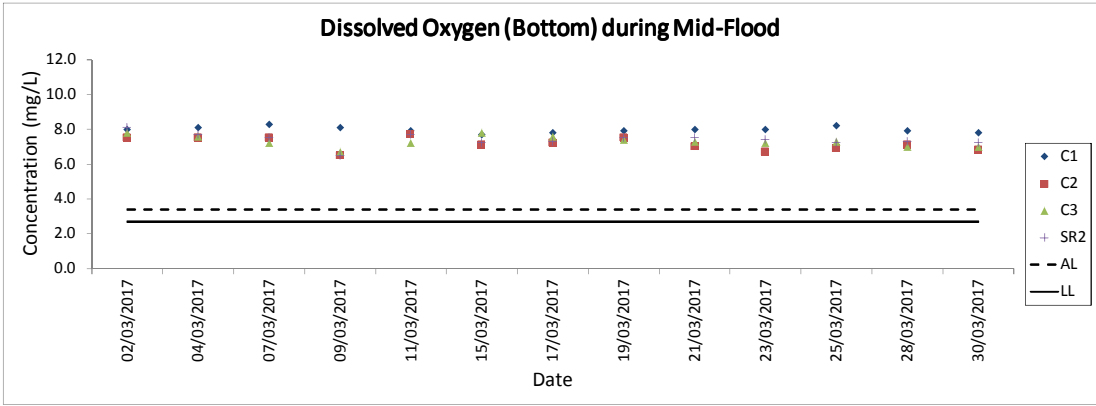
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

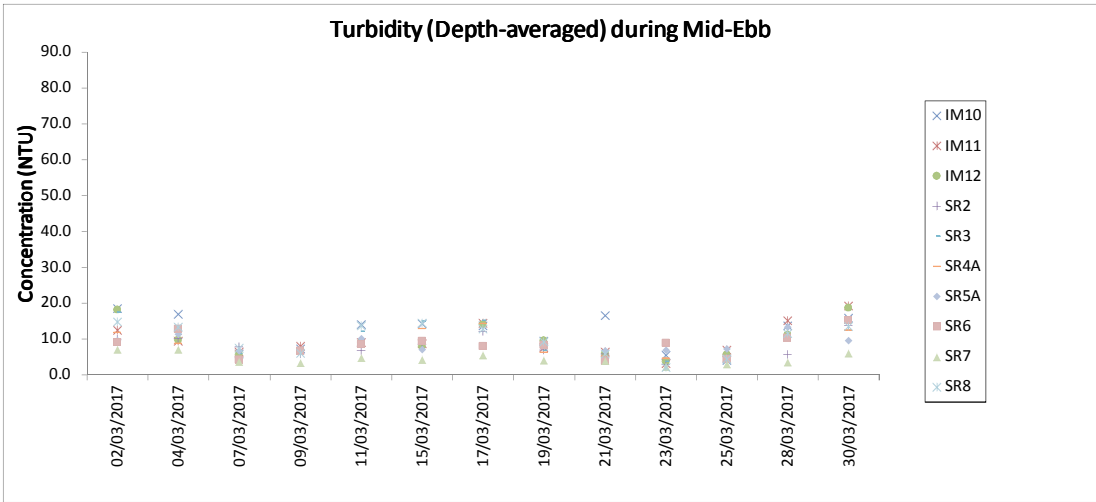
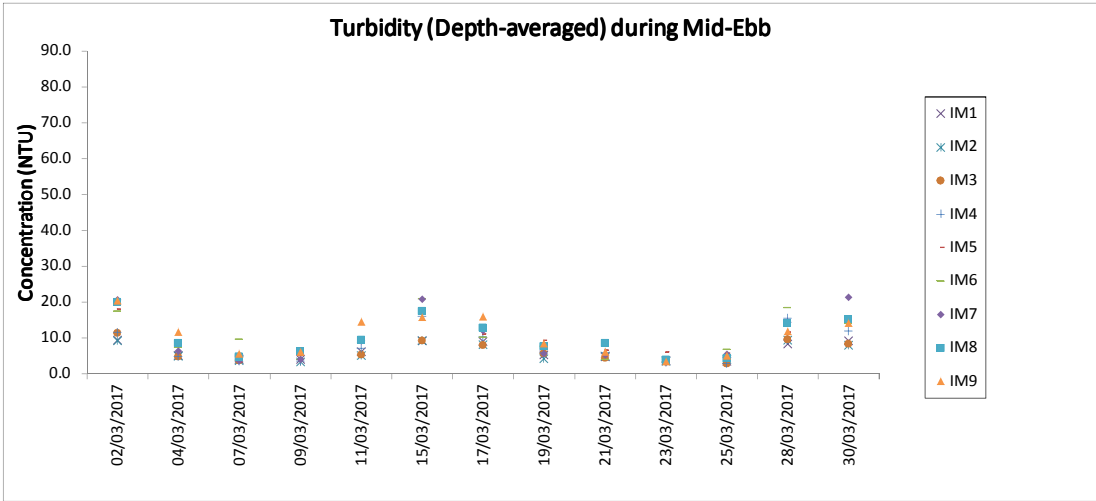
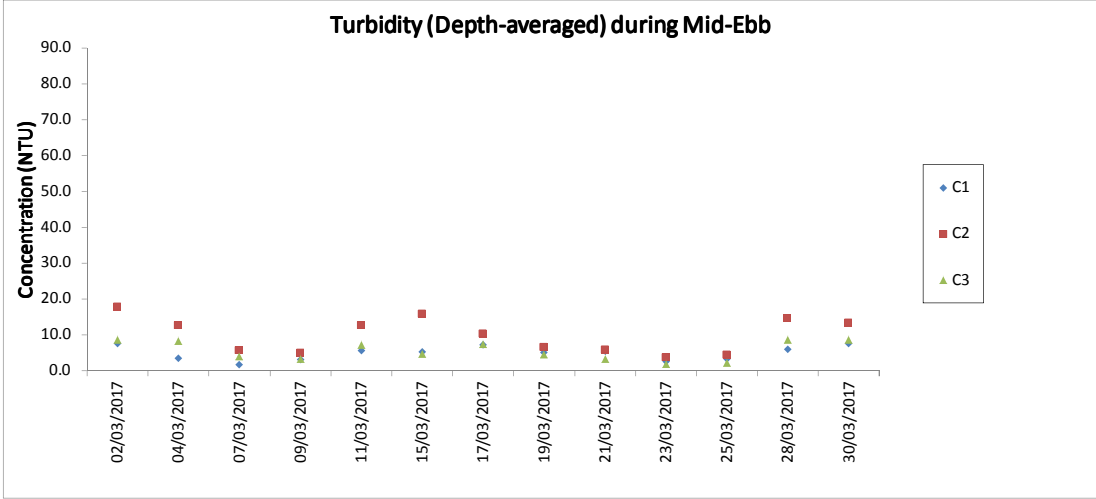
Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined



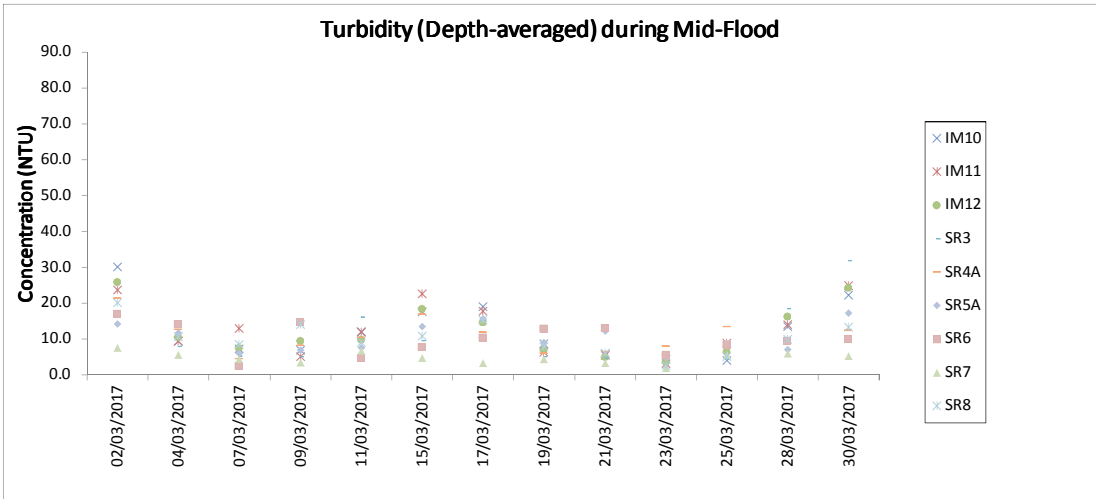
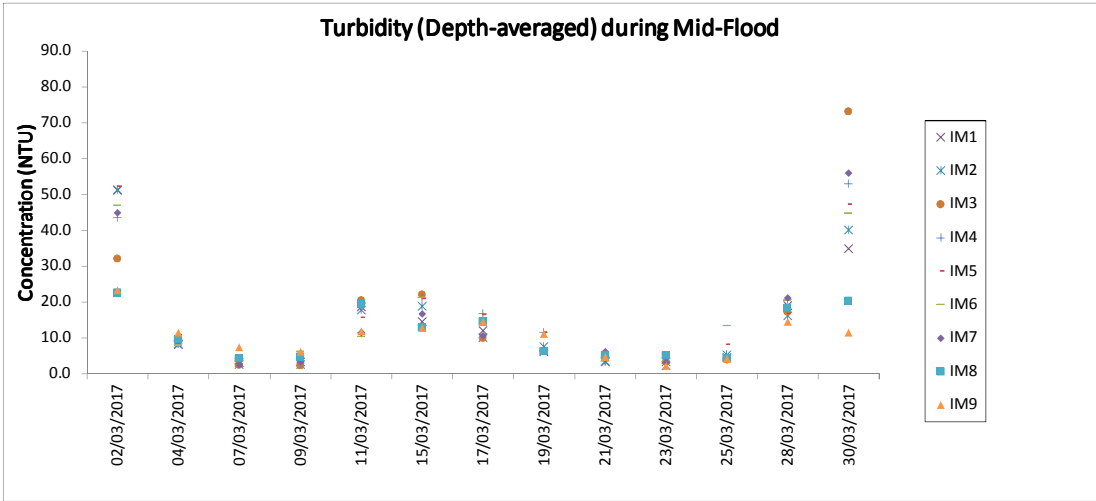
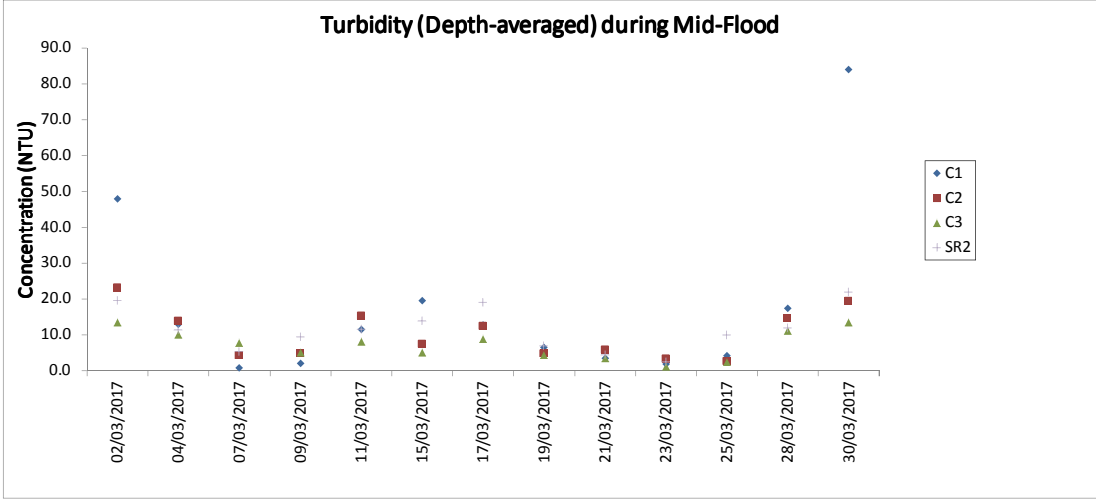




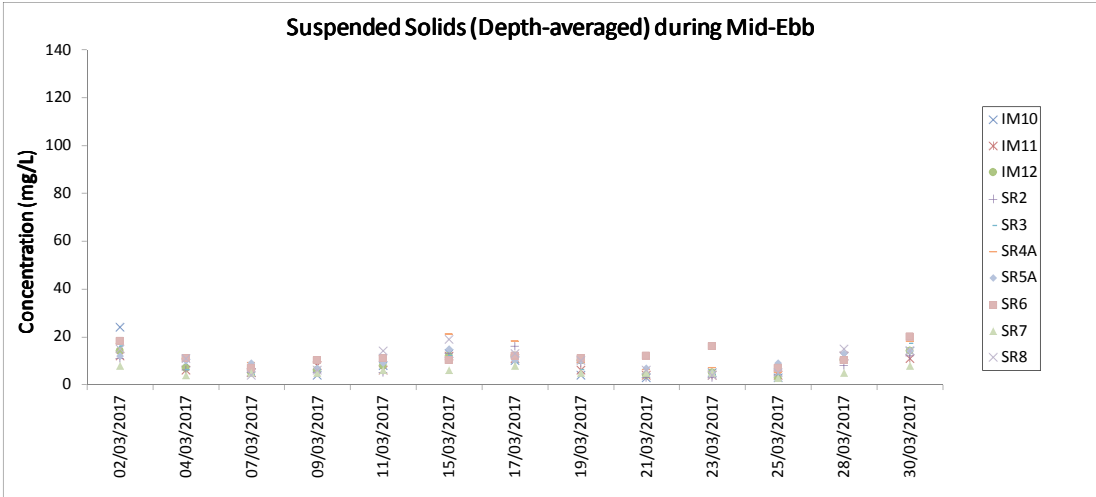
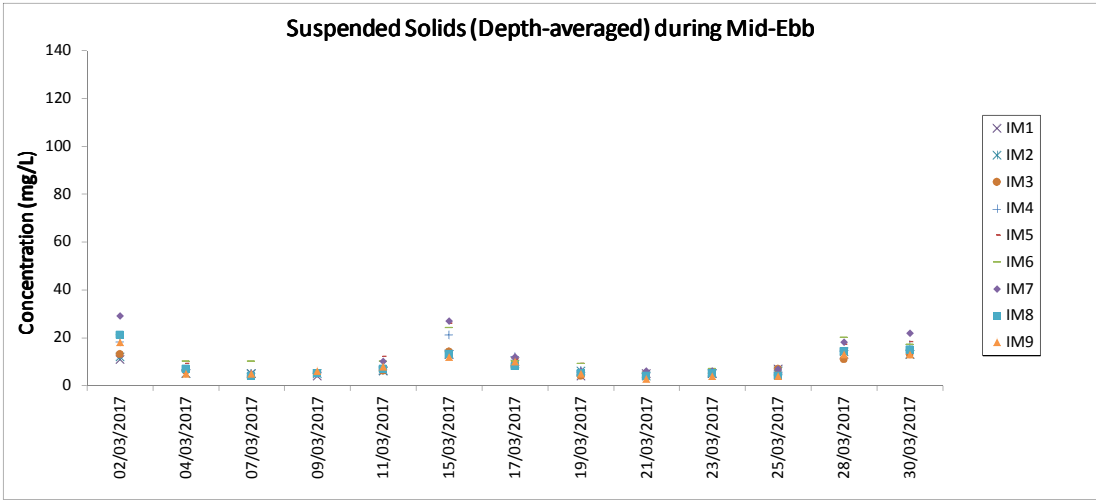
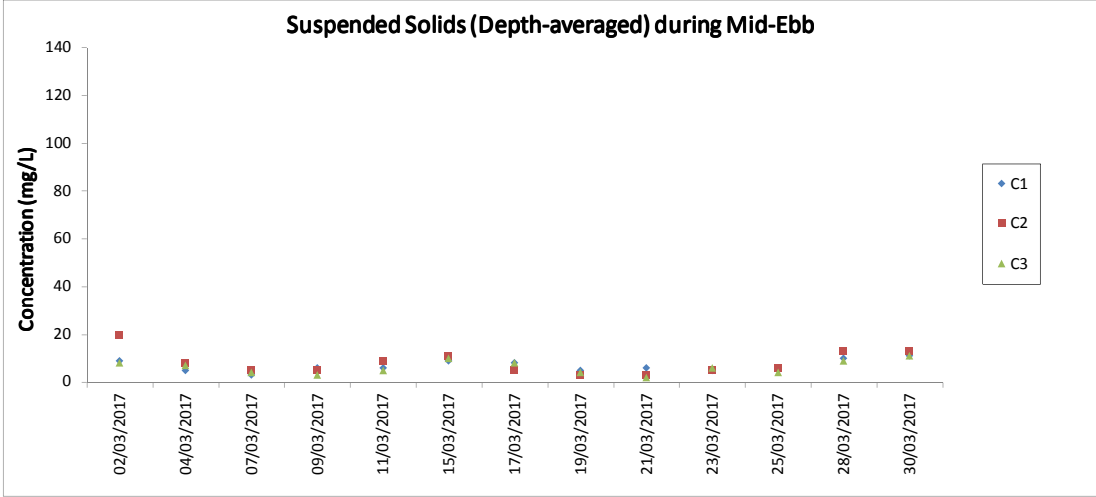




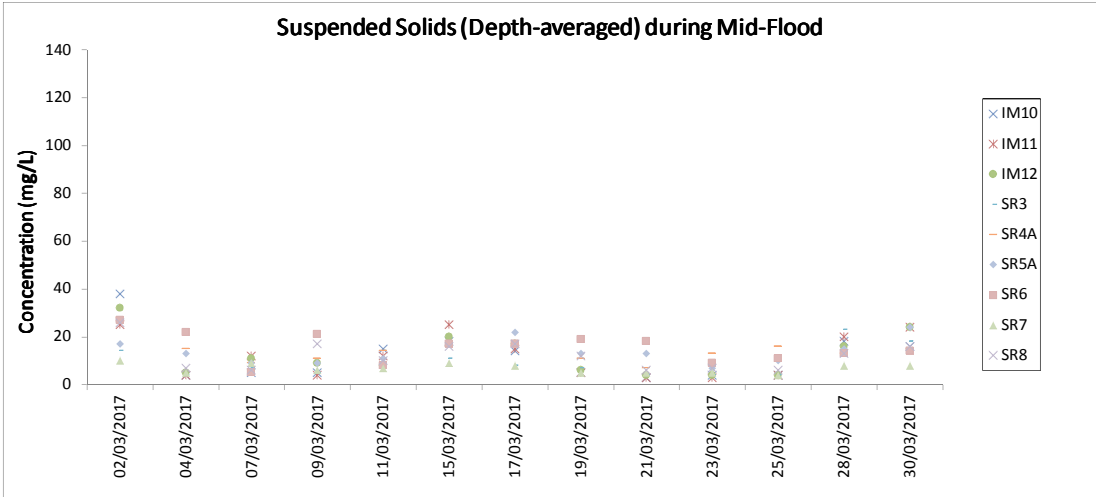
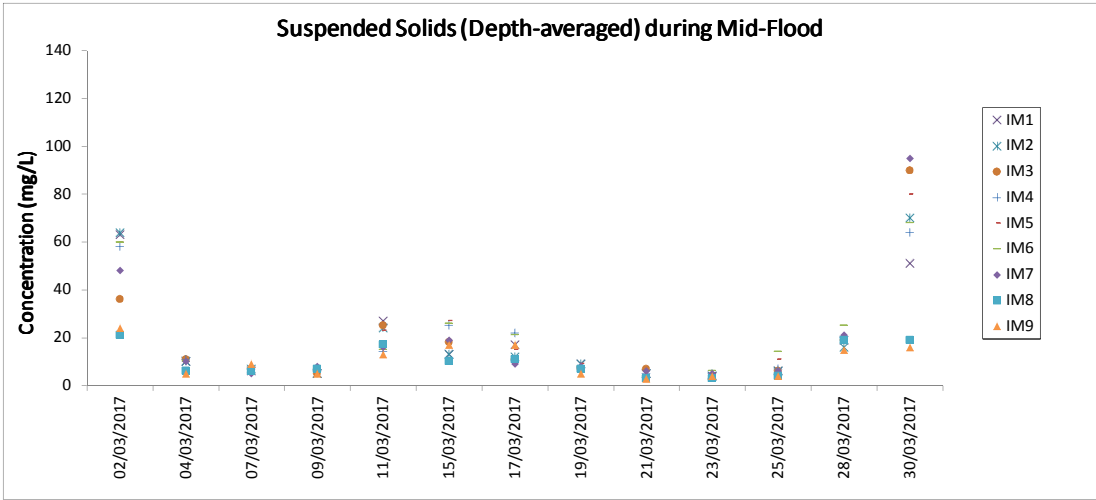
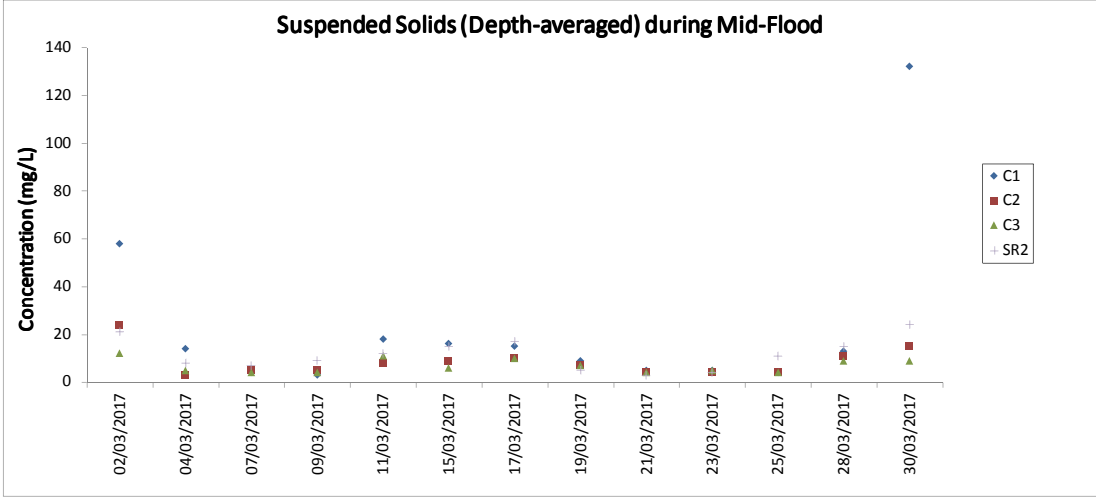
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.



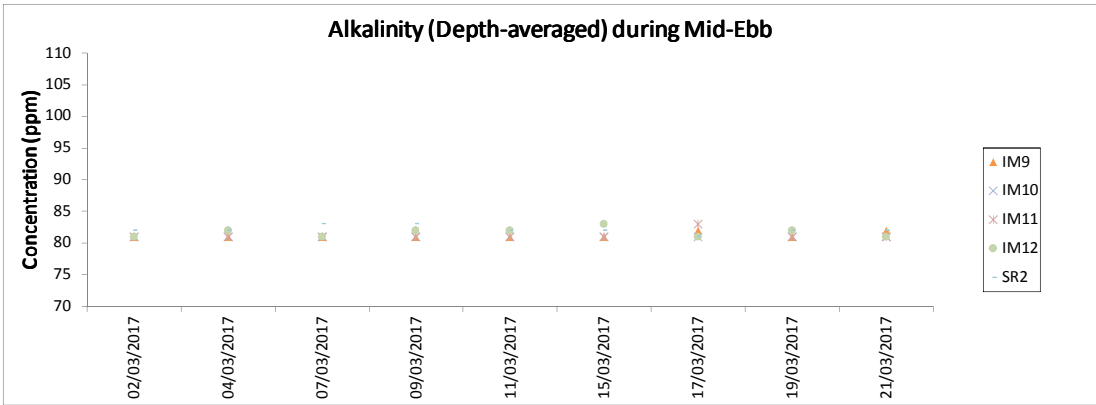
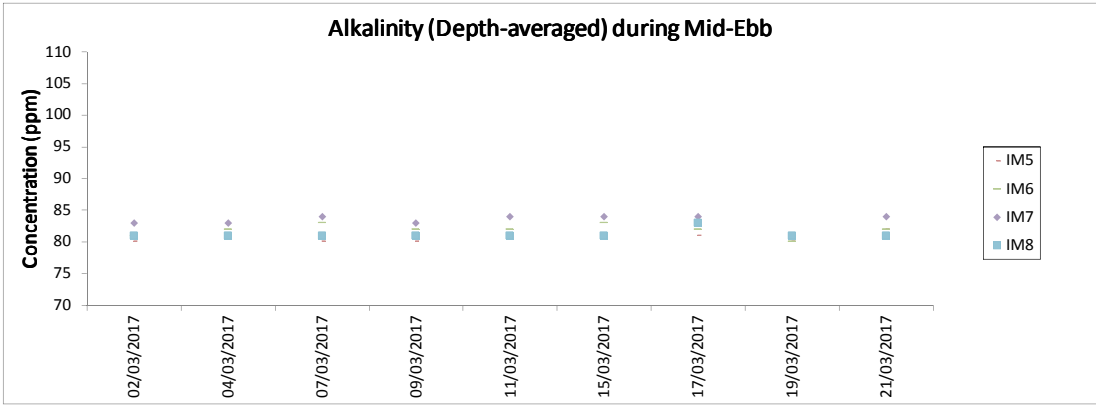
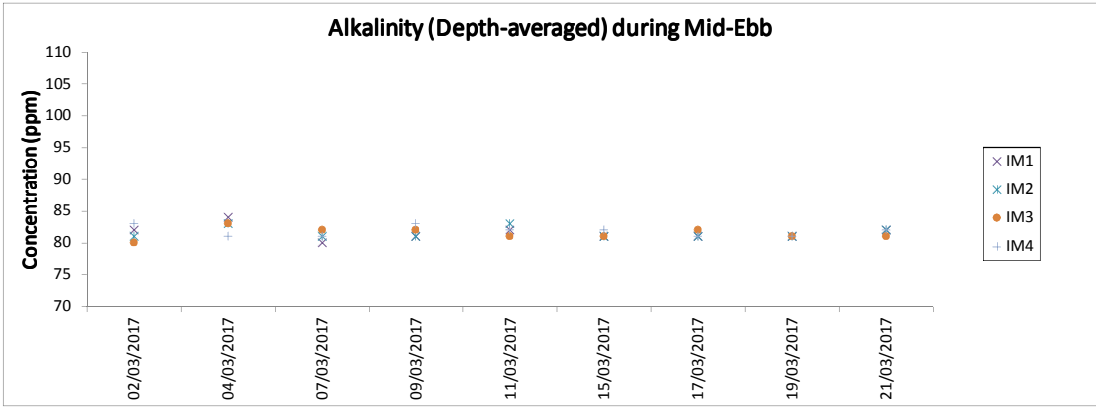
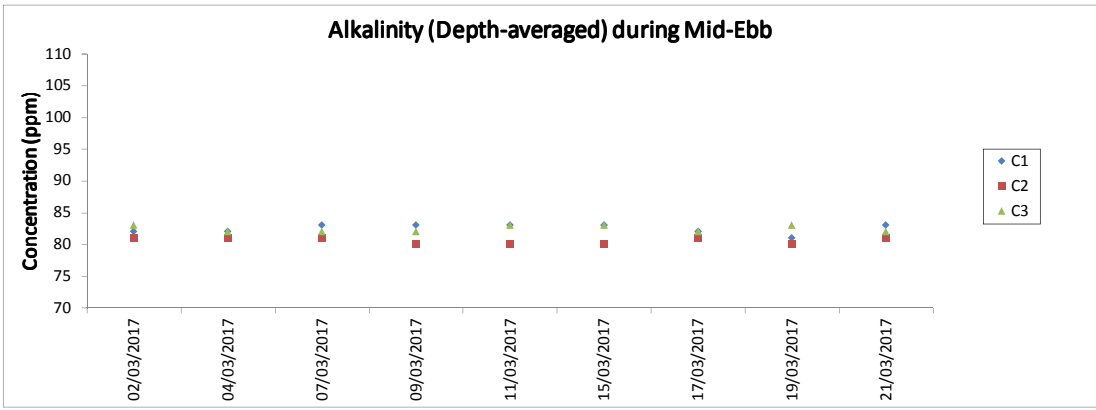
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.



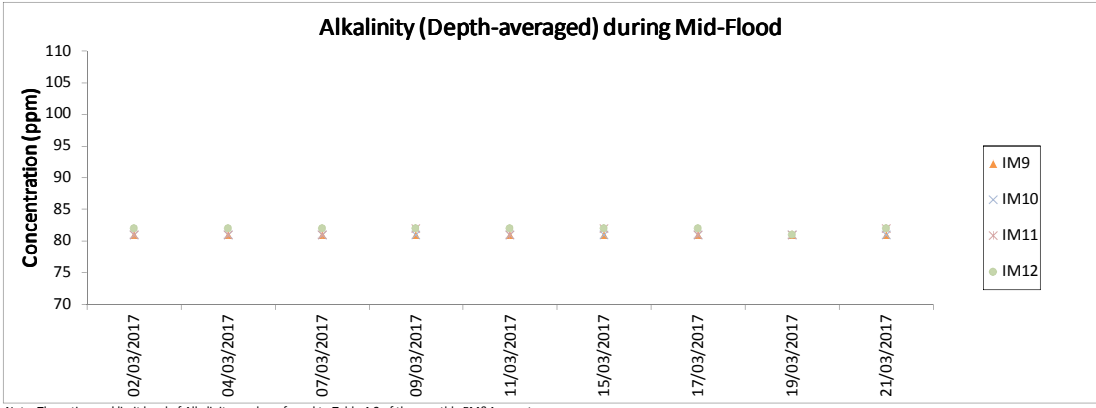
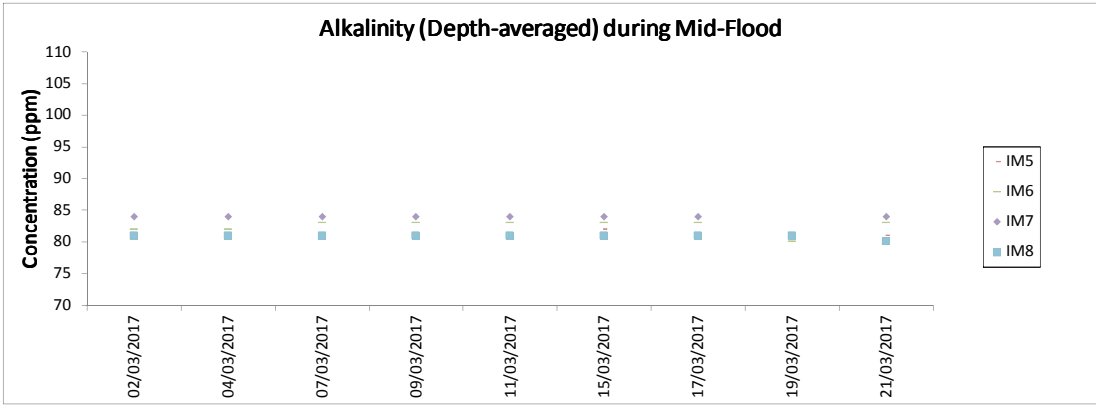
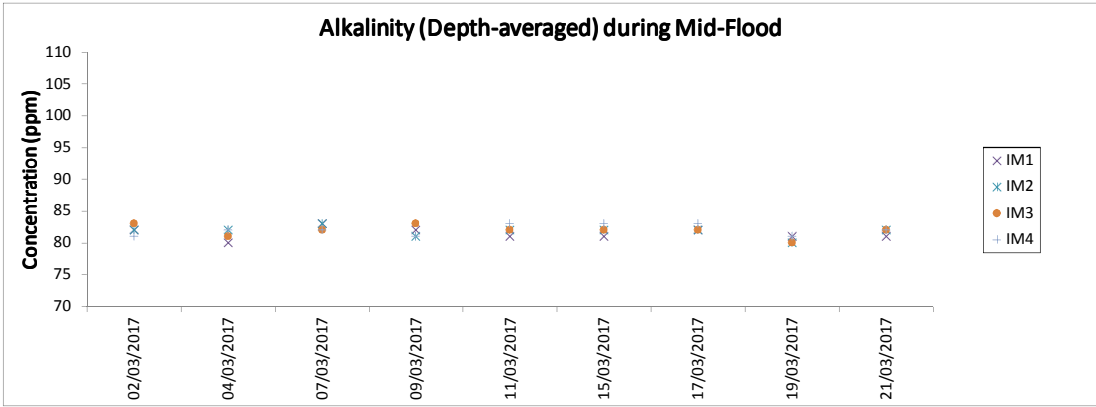
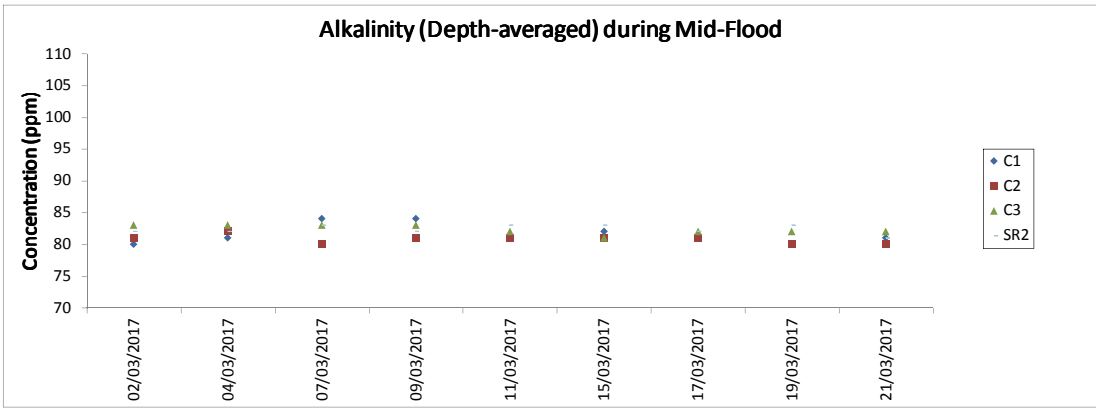
Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.



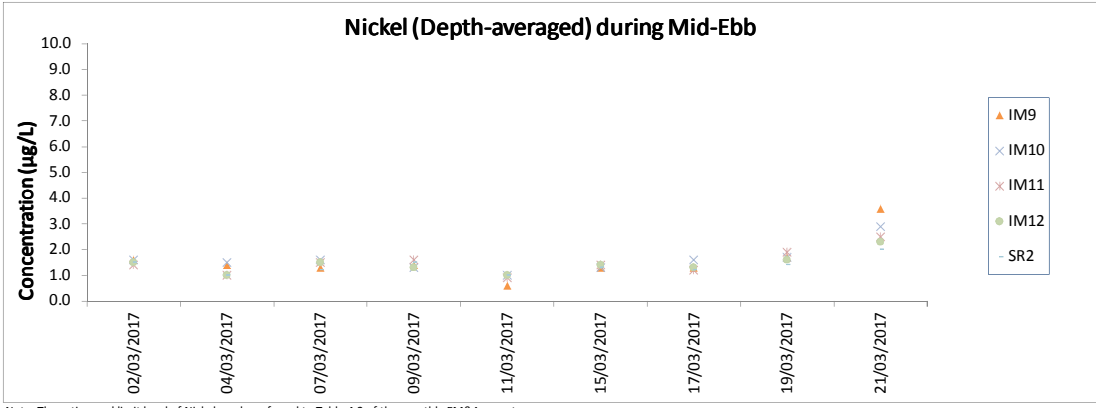
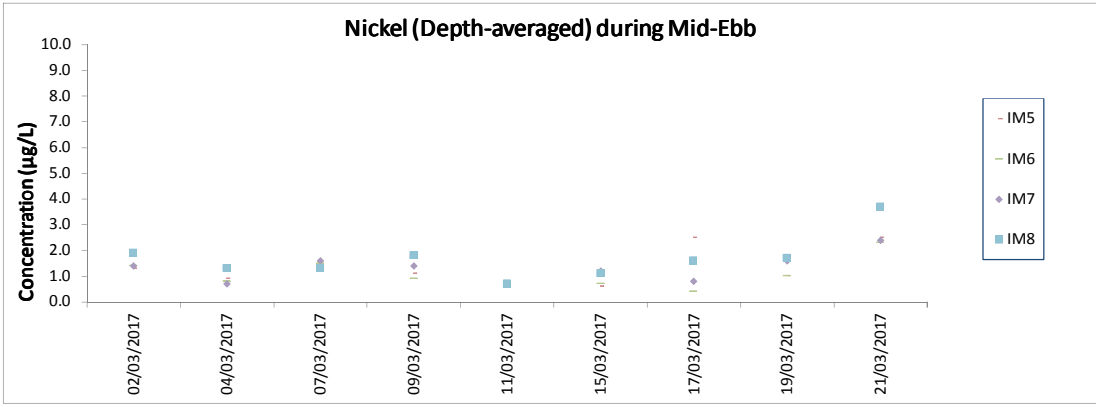
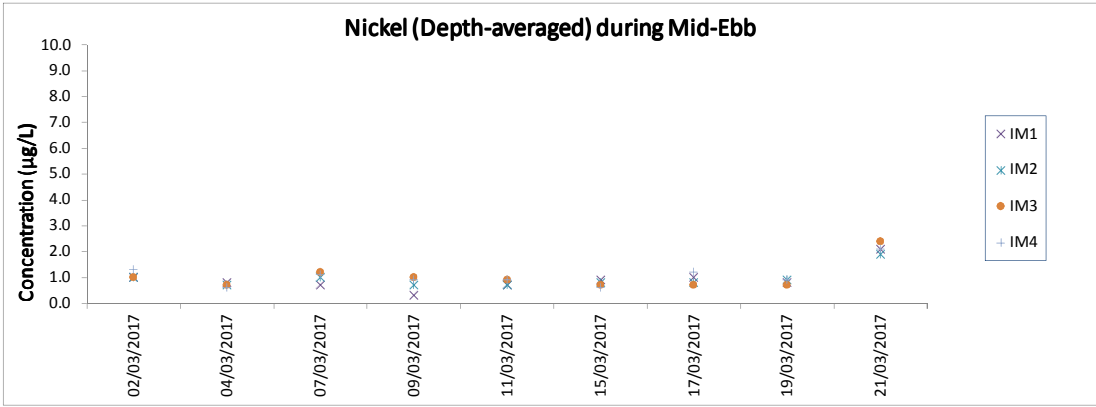
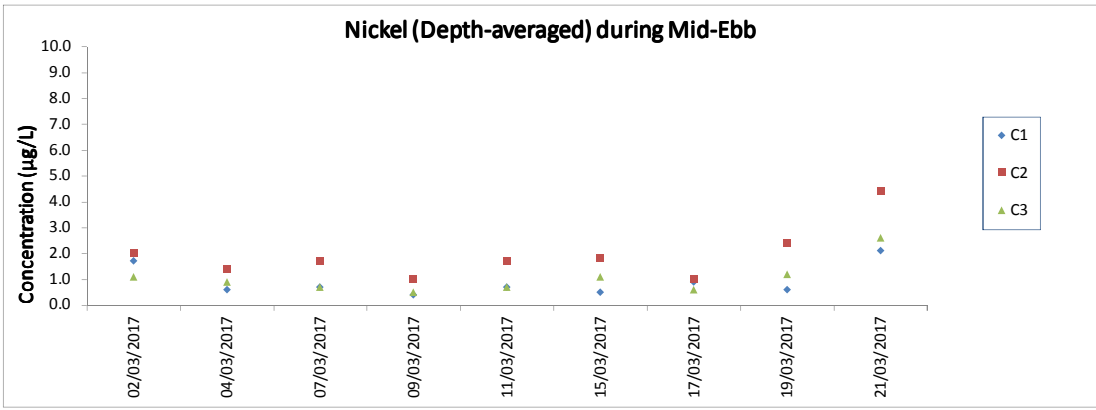
Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.



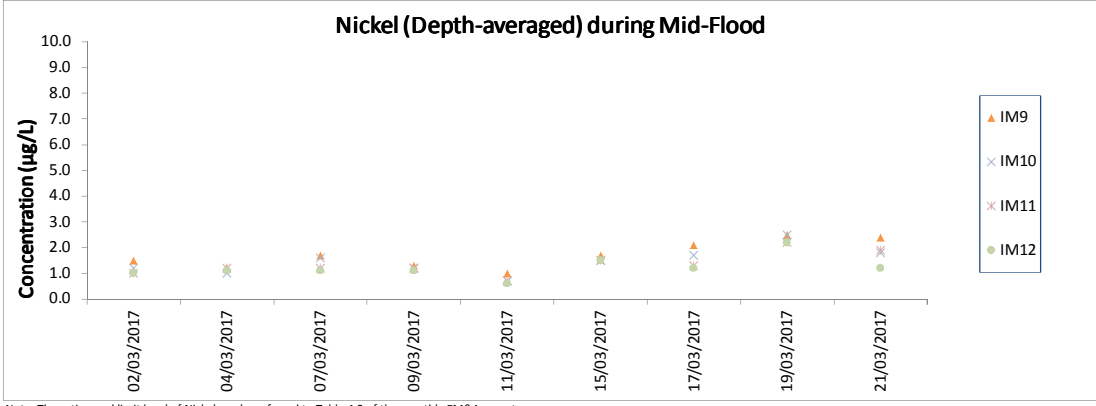
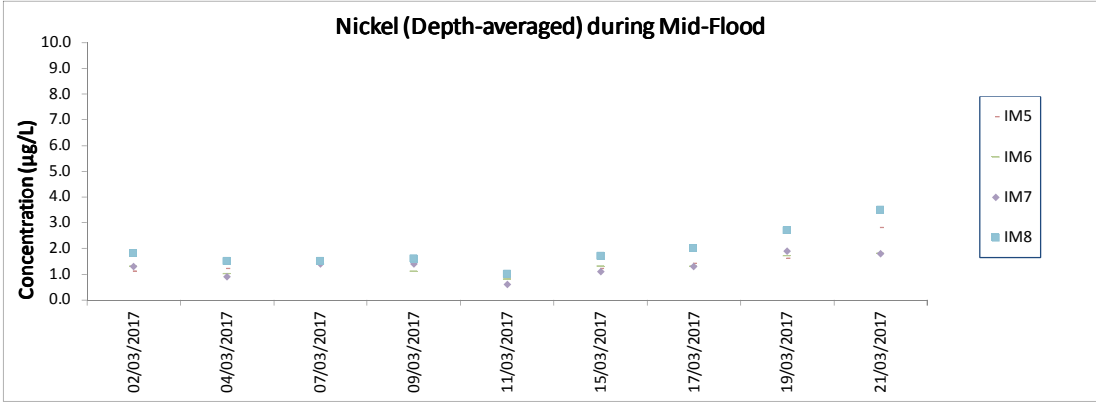
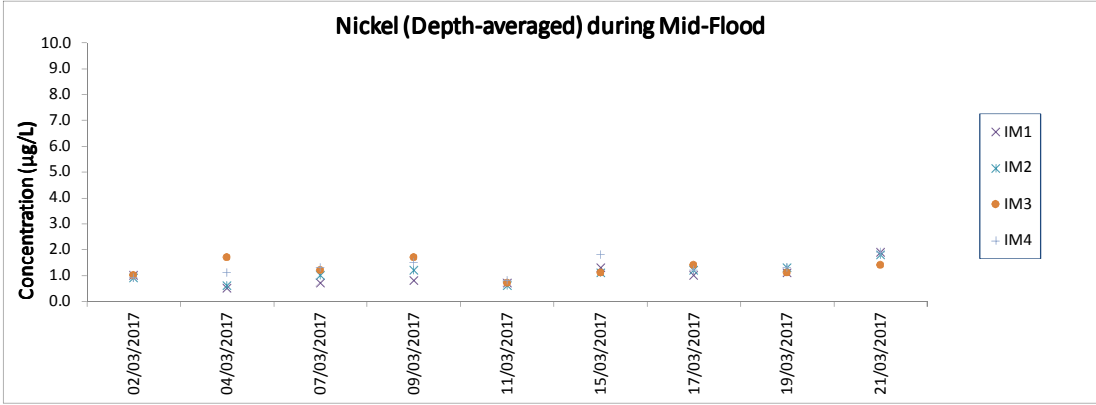
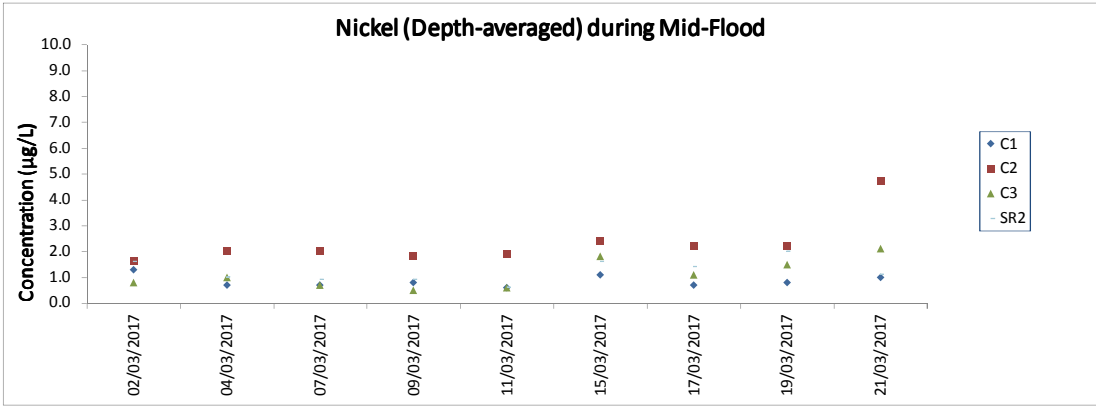
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.



Note: The action and limit level of 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.



Note: The action and limit level of Nickel can be referred to Table 4.2 of the monthly EM&A report.
 The monitoring results of Chromium at all monitoring stations were below the reporting limit <0.2 µg/L,
 the impact monitoring results of Chromium at all monitoring stations can be referred to Appendix E. of the monthly EM&A report.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
05-Jan-17	AW	2	4.86	WINTER	32166	3RS ET
05-Jan-17	WL	1	12.53	WINTER	32166	3RS ET
05-Jan-17	WL	2	14.38	WINTER	32166	3RS ET
05-Jan-17	SWL	2	6.01	WINTER	32166	3RS ET
06-Jan-17	SWL	1	1.30	WINTER	32166	3RS ET
06-Jan-17	SWL	2	61.20	WINTER	32166	3RS ET
06-Jan-17	SWL	3	1.80	WINTER	32166	3RS ET
09-Jan-17	NWL	1	6.90	WINTER	32166	3RS ET
09-Jan-17	NWL	2	60.46	WINTER	32166	3RS ET
09-Jan-17	NWL	3	15.64	WINTER	32166	3RS ET
10-Jan-17	NEL	2	2.10	WINTER	32166	3RS ET
10-Jan-17	NEL	3	29.22	WINTER	32166	3RS ET
10-Jan-17	NEL	4	16.68	WINTER	32166	3RS ET
12-Jan-17	NWL	2	20.09	WINTER	32166	3RS ET
12-Jan-17	NWL	3	61.01	WINTER	32166	3RS ET
12-Jan-17	NWL	4	0.70	WINTER	32166	3RS ET
13-Jan-17	SWL	2	27.52	WINTER	32166	3RS ET
13-Jan-17	SWL	3	28.90	WINTER	32166	3RS ET
13-Jan-17	SWL	4	5.33	WINTER	32166	3RS ET
19-Jan-17	AW	1	4.59	WINTER	32166	3RS ET
19-Jan-17	WL	2	7.20	WINTER	32166	3RS ET
19-Jan-17	WL	3	14.13	WINTER	32166	3RS ET
19-Jan-17	WL	4	11.03	WINTER	32166	3RS ET
19-Jan-17	SWL	3	5.88	WINTER	32166	3RS ET
19-Jan-17	SWL	4	1.00	WINTER	32166	3RS ET
20-Jan-17	NEL	2	23.30	WINTER	32166	3RS ET
20-Jan-17	NEL	3	22.00	WINTER	32166	3RS ET
20-Jan-17	NEL	4	1.60	WINTER	32166	3RS ET
06-Feb-17	AW	2	2.94	WINTER	32166	3RS ET
06-Feb-17	AW	3	1.93	WINTER	32166	3RS ET
06-Feb-17	WL	2	17.00	WINTER	32166	3RS ET
06-Feb-17	WL	3	9.79	WINTER	32166	3RS ET
06-Feb-17	WL	4	3.53	WINTER	32166	3RS ET
06-Feb-17	SWL	4	2.54	WINTER	32166	3RS ET
06-Feb-17	SWL	5	4.35	WINTER	32166	3RS ET
07-Feb-17	NEL	2	5.80	WINTER	32166	3RS ET
07-Feb-17	NEL	3	25.76	WINTER	32166	3RS ET
07-Feb-17	NEL	4	11.47	WINTER	32166	3RS ET
07-Feb-17	NEL	5	4.27	WINTER	32166	3RS ET
09-Feb-17	SWL	2	0.90	WINTER	32166	3RS ET
09-Feb-17	SWL	3	14.17	WINTER	32166	3RS ET
09-Feb-17	SWL	4	15.23	WINTER	32166	3RS ET
09-Feb-17	SWL	5	32.40	WINTER	32166	3RS ET
10-Feb-17	NEL	1	3.30	WINTER	32166	3RS ET
10-Feb-17	NEL	2	8.03	WINTER	32166	3RS ET
10-Feb-17	NEL	3	34.17	WINTER	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
10-Feb-17	NEL	4	2.00	WINTER	32166	3RS ET
16-Feb-17	AW	1	4.73	WINTER	32166	3RS ET
16-Feb-17	WL	1	18.36	WINTER	32166	3RS ET
16-Feb-17	WL	2	3.10	WINTER	32166	3RS ET
16-Feb-17	WL	3	6.07	WINTER	32166	3RS ET
17-Feb-17	SWL	1	37.70	WINTER	32166	3RS ET
17-Feb-17	SWL	2	29.26	WINTER	32166	3RS ET
20-Feb-17	NWL	1	27.20	WINTER	32166	3RS ET
20-Feb-17	NWL	2	48.10	WINTER	32166	3RS ET
21-Feb-17	NWL	3	14.17	WINTER	32166	3RS ET
21-Feb-17	NWL	4	38.72	WINTER	32166	3RS ET
21-Feb-17	NWL	5	21.81	WINTER	32166	3RS ET
06-Mar-17	NWL	1	5.00	SPRING	32166	3RS ET
06-Mar-17	NWL	2	17.10	SPRING	32166	3RS ET
06-Mar-17	NWL	3	50.10	SPRING	32166	3RS ET
06-Mar-17	NWL	4	3.70	SPRING	32166	3RS ET
10-Mar-17	NEL	1	1.00	SPRING	32166	3RS ET
10-Mar-17	NEL	2	11.75	SPRING	32166	3RS ET
10-Mar-17	NEL	3	34.25	SPRING	32166	3RS ET
13-Mar-17	AW	2	4.72	SPRING	32166	3RS ET
13-Mar-17	WL	2	12.18	SPRING	32166	3RS ET
13-Mar-17	WL	3	20.82	SPRING	32166	3RS ET
13-Mar-17	SWL	2	12.50	SPRING	32166	3RS ET
14-Mar-17	SWL	3	22.60	SPRING	32166	3RS ET
14-Mar-17	SWL	4	18.78	SPRING	32166	3RS ET
14-Mar-17	SWL	5	16.02	SPRING	32166	3RS ET
20-Mar-17	SWL	2	36.22	SPRING	32166	3RS ET
20-Mar-17	SWL	3	26.04	SPRING	32166	3RS ET
21-Mar-17	AW	1	4.85	SPRING	32166	3RS ET
21-Mar-17	WL	1	9.95	SPRING	32166	3RS ET
21-Mar-17	WL	2	19.08	SPRING	32166	3RS ET
21-Mar-17	WL	3	2.33	SPRING	32166	3RS ET
21-Mar-17	SWL	2	0.38	SPRING	32166	3RS ET
21-Mar-17	SWL	3	6.43	SPRING	32166	3RS ET
23-Mar-17	NWL	1	32.61	SPRING	32166	3RS ET
23-Mar-17	NWL	2	43.77	SPRING	32166	3RS ET
24-Mar-17	NEL	3	27.72	SPRING	32166	3RS ET
24-Mar-17	NEL	4	18.88	SPRING	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. January and February 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.
05-Jan-17	1	1010	CWD	9	WL	2	822	ON	3RS ET	22.2934	113.8612	WINTER	NONE
05-Jan-17	2	1051	CWD	2	WL	2	1361	ON	3RS ET	22.2738	113.8482	WINTER	NONE
05-Jan-17	3	1118	CWD	2	WL	2	118	ON	3RS ET	22.2584	113.8381	WINTER	NONE
05-Jan-17	4	1150	CWD	1	WL	2	65	ON	3RS ET	22.2413	113.8339	WINTER	NONE
05-Jan-17	5	1208	CWD	1	WL	2	86	ON	3RS ET	22.2321	113.8316	WINTER	NONE
05-Jan-17	6	1223	CWD	1	WL	1	115	ON	3RS ET	22.2248	113.8374	WINTER	NONE
05-Jan-17	7	1315	CWD	11	WL	1	84	ON	3RS ET	22.2049	113.8249	WINTER	PAIR TRAWLER
05-Jan-17	8	1347	CWD	1	WL	1	49	ON	3RS ET	22.1961	113.8317	WINTER	NONE
05-Jan-17	9	1356	CWD	1	WL	1	59	ON	3RS ET	22.1960	113.8416	WINTER	NONE
05-Jan-17	10	1436	CWD	5	SWL	2	190	ON	3RS ET	22.1726	113.8527	WINTER	PAIR TRAWLER
06-Jan-17	1	1006	CWD	2	SWL	2	N/A	OFF	3RS ET	22.1938	113.8471	WINTER	NONE
06-Jan-17	2	1453	CWD	1	SWL	1	N/A	OFF	3RS ET	22.2230	113.9451	WINTER	NONE
12-Jan-17	1	1121	CWD	5	NWL	2	260	ON	3RS ET	22.3739	113.8775	WINTER	NONE
13-Jan-17	1	1016	CWD	3	SWL	3	N/A	OFF	3RS ET	22.1948	113.8538	WINTER	NONE
13-Jan-17	2	1036	CWD	11	SWL	3	435	ON	3RS ET	22.1998	113.8688	WINTER	NONE
13-Jan-17	3	1334	CWD	2	SWL	2	41	ON	3RS ET	22.1547	113.9030	WINTER	NONE
13-Jan-17	4	1434	CWD	1	SWL	3	44	ON	3RS ET	22.1847	113.9278	WINTER	NONE
19-Jan-17	1	0926	CWD	3	AW	1	23	ON	3RS ET	22.3010	113.8864	WINTER	NONE
19-Jan-17	2	1022	CWD	1	WL	3	383	ON	3RS ET	22.2791	113.8613	WINTER	NONE
19-Jan-17	3	1107	CWD	6	WL	2	690	ON	3RS ET	22.2594	113.8430	WINTER	GILLNET
19-Jan-17	4	1131	CWD	1	WL	3	950	ON	3RS ET	22.2504	113.8413	WINTER	NONE
19-Jan-17	5	1217	CWD	2	WL	3	N/A	OFF	3RS ET	22.2234	113.8320	WINTER	NONE
19-Jan-17	6	1403	CWD	4	SWL	3	69	ON	3RS ET	22.1951	113.8587	WINTER	NONE
19-Jan-17	7	1436	CWD	2	WL	3	N/A	OFF	3RS ET	22.2198	113.8341	WINTER	NONE
19-Jan-17	8	1439	CWD	3	WL	3	N/A	OFF	3RS ET	22.2218	113.8351	WINTER	NONE
06-Feb-17	1	1013	CWD	3	WL	3	854	ON	3RS ET	22.2826	113.8613	WINTER	NONE
06-Feb-17	2	1140	CWD	3	WL	2	243	ON	3RS ET	22.2237	113.8323	WINTER	NONE
06-Feb-17	3	1218	CWD	3	WL	3	23	ON	3RS ET	22.2147	113.8300	WINTER	NONE
16-Feb-17	1	0957	CWD	2	AW	1	16	ON	3RS ET	22.2920	113.8749	WINTER	GILLNET
16-Feb-17	2	1037	CWD	5	WL	1	220	ON	3RS ET	22.2953	113.8612	WINTER	NONE
16-Feb-17	3	1121	CWD	4	WL	1	58	ON	3RS ET	22.2628	113.8564	WINTER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
16-Feb-17	4	1147	CWD	3	WL	1	244	ON	3RS ET	22.2602	113.8470	WINTER	NONE
16-Feb-17	5	1206	CWD	2	WL	1	53	ON	3RS ET	22.2535	113.8348	WINTER	NONE
16-Feb-17	6	1215	CWD	3	WL	1	20	ON	3RS ET	22.2504	113.8378	WINTER	NONE
16-Feb-17	7	1231	CWD	7	WL	1	173	ON	3RS ET	22.2418	113.8473	WINTER	NONE
16-Feb-17	8	1304	CWD	2	WL	1	19	ON	3RS ET	22.2414	113.8428	WINTER	NONE
16-Feb-17	9	1315	CWD	2	WL	1	31	ON	3RS ET	22.2382	113.8266	WINTER	NONE
16-Feb-17	10	1333	CWD	14	WL	1	226	ON	3RS ET	22.2308	113.8381	WINTER	PURSE SEINE
16-Feb-17	11	1420	CWD	2	WL	2	452	ON	3RS ET	22.2139	113.8244	WINTER	NONE
16-Feb-17	12	1449	CWD	1	WL	2	29	ON	3RS ET	22.2051	113.8191	WINTER	NONE
17-Feb-17	1	1048	FP	2	SWL	2	174	ON	3RS ET	22.1586	113.9356	WINTER	NONE
17-Feb-17	2	1238	CWD	3	SWL	1	1380	ON	3RS ET	22.2005	113.9079	WINTER	PURSE SEINE
17-Feb-17	3	1349	CWD	2	SWL	1	50	ON	3RS ET	22.1889	113.8879	WINTER	NONE
17-Feb-17	4	1551	CWD	1	SWL	1	N/A	OFF	3RS ET	22.2009	113.8934	WINTER	NONE
17-Feb-17	5	1559	CWD	1	SWL	1	N/A	OFF	3RS ET	22.2025	113.9121	WINTER	NONE
20-Feb-17	1	1137	CWD	1	NWL	2	259	ON	3RS ET	22.3819	113.8760	WINTER	NONE
21-Feb-17	1	1137	CWD	4	NWL	3	64	ON	3RS ET	22.3866	113.8776	WINTER	NONE
13-Mar-17	1	1130	CWD	4	WL	2	374	ON	3RS ET	22.2229	113.8269	SPRING	NONE
14-Mar-17	1	1045	FP	1	SWL	4	N/A	OFF	3RS ET	22.1827	113.9356	SPRING	NONE
14-Mar-17	2	1214	FP	1	SWL	5	N/A	ON	3RS ET	22.1461	113.9081	SPRING	NONE
20-Mar-17	1	1025	CWD	1	SWL	2	209	ON	3RS ET	22.2001	113.8688	SPRING	GILLNET
20-Mar-17	2	1211	FP	1	SWL	2	100	ON	3RS ET	22.1622	113.8978	SPRING	NONE
20-Mar-17	3	1257	CWD	1	SWL	2	36	ON	3RS ET	22.1846	113.9041	SPRING	NONE
20-Mar-17	4	1432	FP	3	SWL	3	108	ON	3RS ET	22.1470	113.9278	SPRING	NONE
20-Mar-17	5	1439	FP	2	SWL	3	63	ON	3RS ET	22.1472	113.9326	SPRING	NONE
20-Mar-17	6	1457	FP	2	SWL	3	24	ON	3RS ET	22.1816	113.9359	SPRING	NONE
21-Mar-17	1	1025	CWD	4	WL	1	202	ON	3RS ET	22.2603	113.8533	SPRING	PURSE SEINE
21-Mar-17	2	1214	CWD	13	WL	3	397	ON	3RS ET	22.1980	113.8262	SPRING	PURSE SEINE
21-Mar-17	3	1242	CWD	7	WL	2	1163	ON	3RS ET	22.1870	113.8386	SPRING	PURSE SEINE
23-Mar-17	1	1128	CWD	3	NWL	1	123	ON	3RS ET	22.3779	113.8767	SPRING	NONE
23-Mar-17	2	1222	CWD	3	NWL	1	19	ON	3RS ET	22.3733	113.8881	SPRING	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. January and February 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 March 2017 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 401.40 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 8 on-effort sightings and total number of 36 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in March 2017 are shown as below:

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

$$STG = \frac{8}{401.40} \times 100 = 1.99$$

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

$$ANI = \frac{36}{401.40} \times 100 = 8.97$$

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

A total of 1144.90 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 46 on-effort sightings and total number of 170 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)









$$STG = \frac{46}{1144.90} \times 100 = 4.02$$

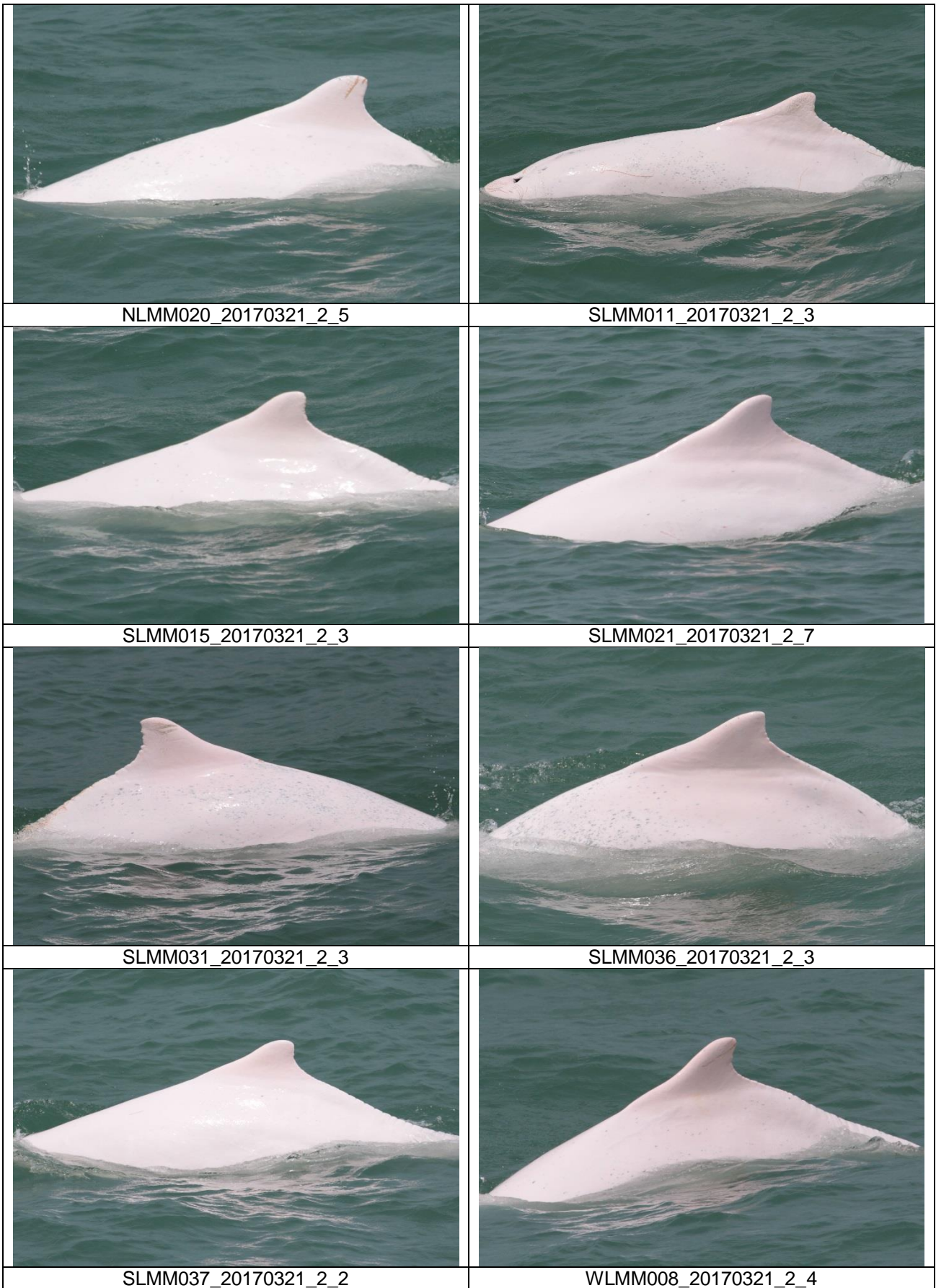
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

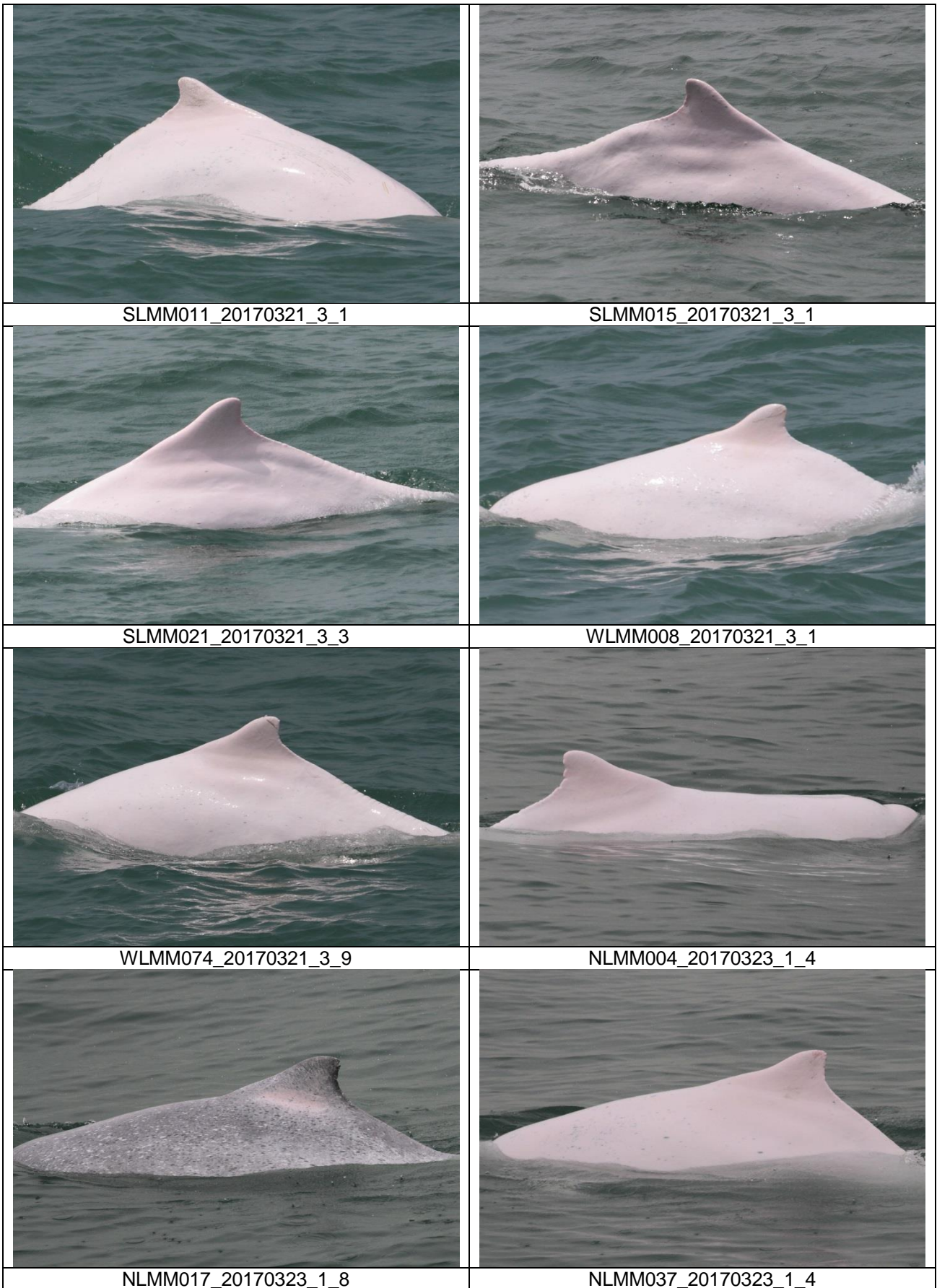
$$ANI = \frac{170}{1144.90} \times 100 = 14.85$$




CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM014_20170320_1_2	SLMM014_20170320_3_5
	
SLMM028_20170321_1_3	SLMM030_20170321_1_5
	
WLMM011_20170321_1_5	WLMM043_20170321_1_8
	
NLMM015_20170321_2_1	NLMM019_20170321_2_4





	
<p>NLMM004_20170323_2_8</p>	<p>NLMM017_20170323_2_3</p>
	
<p>NLMM037_20170323_2_3</p>	

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
20/Mar/17	Lung Kwu Chau	8:50	14:50	6:00	2	3	1	2
21/Mar/17	Lung Kwu Chau	8:47	14:47	6:00	2	3	0	N/A
24/Mar/17	Sha Chau	8:48	14:48	6:00	4	2	0	N/A
28/Mar/17	Lung Kwu Chau	8:41	14:41	6:00	2-3	2	5	1-4
29/Mar/17	Sha Chau	8:38	14:38	6:00	2-4	3	0	N/A

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

Ecological Monitoring

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

