

Appendix D. Monitoring Results

Air Quality Monitoring Results

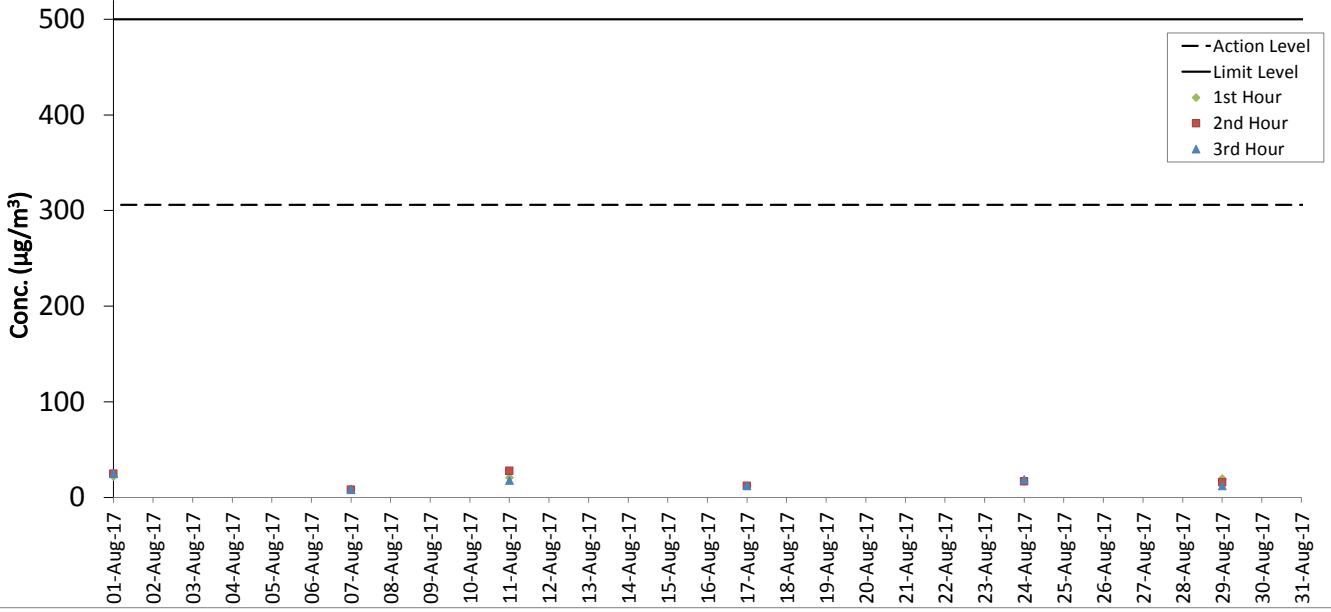
1-hour TSP Results**Station: AR1A- Man Tung Road Park**

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-Aug-17	13:00	Fine	7.5	228	22	306	500
01-Aug-17	14:00	Fine	5.9	236	25	306	500
01-Aug-17	15:00	Fine	5.2	226	25	306	500
07-Aug-17	13:10	Sunny	8.3	236	9	306	500
07-Aug-17	14:10	Sunny	8.3	238	8	306	500
07-Aug-17	15:10	Sunny	8.0	235	8	306	500
11-Aug-17	08:50	Sunny	4.9	202	21	306	500
11-Aug-17	09:50	Sunny	5.1	197	28	306	500
11-Aug-17	10:50	Sunny	5.7	197	18	306	500
17-Aug-17	13:00	Sunny	3.6	289	12	306	500
17-Aug-17	14:00	Sunny	3.7	286	12	306	500
17-Aug-17	15:00	Sunny	4.2	269	12	306	500
24-Aug-17	14:07	Fine	6.4	123	17	306	500
24-Aug-17	15:07	Fine	5.8	150	17	306	500
24-Aug-17	16:07	Fine	7.2	127	19	306	500
29-Aug-17	13:00	Sunny	4.2	282	20	306	500
29-Aug-17	14:00	Sunny	3.8	290	16	306	500
29-Aug-17	15:00	Sunny	3.3	279	12	306	500

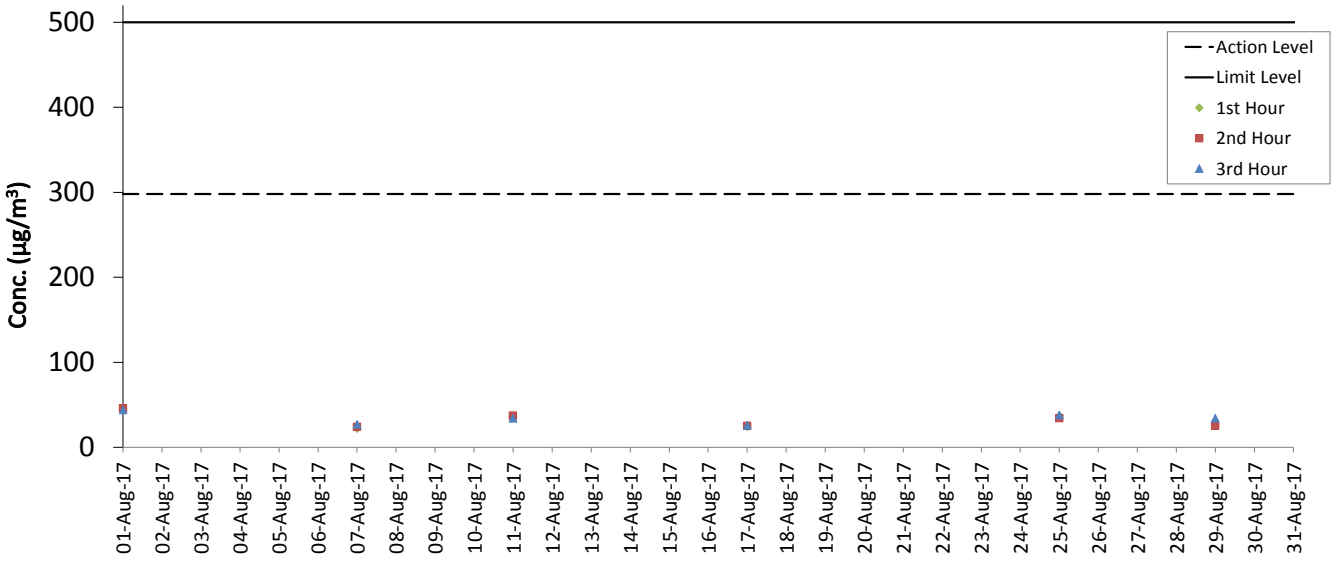
1-hour TSP Results**Station: AR2- Village House, Tin Sum**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
01-Aug-17	08:50	Sunny	6.8	228	44	298	500
01-Aug-17	09:50	Sunny	7.6	233	46	298	500
01-Aug-17	10:50	Sunny	7.3	225	44	298	500
07-Aug-17	09:00	Sunny	5.1	238	22	298	500
07-Aug-17	10:00	Sunny	4.7	246	24	298	500
07-Aug-17	11:00	Sunny	4.4	244	27	298	500
11-Aug-17	08:45	Sunny	5.8	206	35	298	500
11-Aug-17	09:45	Sunny	5.4	196	37	298	500
11-Aug-17	10:45	Sunny	5.2	203	34	298	500
17-Aug-17	08:50	Sunny	1.9	324	24	298	500
17-Aug-17	09:50	Sunny	2.6	290	25	298	500
17-Aug-17	10:50	Sunny	2.7	309	26	298	500
25-Aug-17	09:15	Sunny	3.1	65	37	298	500
25-Aug-17	10:15	Sunny	4.9	57	34	298	500
25-Aug-17	11:15	Sunny	4.5	83	38	298	500
29-Aug-17	08:45	Sunny	2.3	42	26	298	500
29-Aug-17	09:45	Sunny	2.4	39	25	298	500
29-Aug-17	10:45	Sunny	3.1	311	34	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-Aug-17	Fine	13:44	71.5	56.0	71
01-Aug-17	Fine	13:49	72.0	56.5	
01-Aug-17	Fine	13:54	71.0	56.0	
01-Aug-17	Fine	13:59	72.0	56.5	
01-Aug-17	Fine	14:04	71.0	56.0	
01-Aug-17	Fine	14:09	70.5	56.0	
07-Aug-17	Sunny	16:27	71.0	57.0	70
07-Aug-17	Sunny	16:32	71.5	55.5	
07-Aug-17	Sunny	16:37	70.5	56.5	
07-Aug-17	Sunny	16:42	71.0	57.0	
07-Aug-17	Sunny	16:47	70.5	56.5	
07-Aug-17	Sunny	16:52	70.0	59.0	
17-Aug-17	Sunny	13:06	71.0	53.5	72
17-Aug-17	Sunny	13:11	71.5	54.5	
17-Aug-17	Sunny	13:16	74.0	55.5	
17-Aug-17	Sunny	13:21	71.0	54.0	
17-Aug-17	Sunny	13:26	71.5	54.0	
17-Aug-17	Sunny	13:31	73.0	55.5	
24-Aug-17	Sunny	14:25	71.5	54.5	70
24-Aug-17	Sunny	14:30	71.0	55.5	
24-Aug-17	Sunny	14:35	70.5	53.5	
24-Aug-17	Sunny	14:40	71.5	55.5	
24-Aug-17	Sunny	14:45	70.0	54.0	
24-Aug-17	Sunny	14:50	71.0	54.0	
29-Aug-17	Sunny	13:08	71.0	55.0	71
29-Aug-17	Sunny	13:13	72.5	56.0	
29-Aug-17	Sunny	13:18	70.0	55.5	
29-Aug-17	Sunny	13:23	71.0	55.5	
29-Aug-17	Sunny	13:28	72.5	56.0	
29-Aug-17	Sunny	13:33	71.0	56.0	

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)
01-Aug-17	Fine	09:12	62.5	59.0	62
01-Aug-17	Fine	09:17	65.5	60.0	
01-Aug-17	Fine	09:22	62.0	60.0	
01-Aug-17	Fine	09:27	62.5	59.5	
01-Aug-17	Fine	09:32	61.0	59.5	
01-Aug-17	Fine	09:37	63.0	59.5	
07-Aug-17	Sunny	09:21	63.5	61.0	62
07-Aug-17	Sunny	09:26	63.0	61.0	
07-Aug-17	Sunny	09:31	63.5	61.0	
07-Aug-17	Sunny	09:36	63.5	61.0	
07-Aug-17	Sunny	09:41	63.5	61.0	
07-Aug-17	Sunny	09:46	62.5	61.0	
17-Aug-17	Sunny	09:08	63.0	61.0	63
17-Aug-17	Sunny	09:13	66.0	62.0	
17-Aug-17	Sunny	09:18	63.5	62.0	
17-Aug-17	Sunny	09:23	63.5	61.5	
17-Aug-17	Sunny	09:28	63.0	61.5	
17-Aug-17	Sunny	09:33	63.5	62.0	
22-Aug-17	Fine	15:25	62.5	61.5	62
22-Aug-17	Fine	15:30	63.0	61.5	
22-Aug-17	Fine	15:35	62.5	61.5	
22-Aug-17	Fine	15:40	63.5	61.5	
22-Aug-17	Fine	15:45	63.5	61.5	
22-Aug-17	Fine	15:50	63.0	61.0	
29-Aug-17	Sunny	09:24	68.5	61.0	61
29-Aug-17	Sunny	09:29	67.0	60.5	
29-Aug-17	Sunny	09:34	68.0	60.5	
29-Aug-17	Sunny	09:39	68.0	60.0	
29-Aug-17	Sunny	09:44	69.5	60.5	
29-Aug-17	Sunny	09:49	70.0	61.0	

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-Aug-17	Sunny	13:30	63.0	58.0	64
01-Aug-17	Sunny	13:35	63.5	59.5	
01-Aug-17	Sunny	13:40	63.0	59.5	
01-Aug-17	Sunny	13:45	61.5	58.0	
01-Aug-17	Sunny	13:50	63.5	60.0	
01-Aug-17	Sunny	13:55	61.5	59.0	
07-Aug-17	Sunny	14:00	63.5	61.0	60
07-Aug-17	Sunny	14:05	64.5	61.0	
07-Aug-17	Sunny	14:10	65.5	62.0	
07-Aug-17	Sunny	14:15	66.5	63.0	
07-Aug-17	Sunny	14:20	66.0	62.5	
07-Aug-17	Sunny	14:25	64.0	60.0	
17-Aug-17	Fine	14:45	67.5	61.0	65
17-Aug-17	Fine	14:50	63.0	60.0	
17-Aug-17	Fine	14:55	64.0	60.0	
17-Aug-17	Fine	15:00	62.5	60.0	
17-Aug-17	Fine	15:05	63.0	60.0	
17-Aug-17	Fine	15:10	63.0	60.0	
22-Aug-17	Fine	10:38	62.0	59.5	65
22-Aug-17	Fine	10:43	63.5	59.5	
22-Aug-17	Fine	10:48	64.0	60.0	
22-Aug-17	Fine	10:53	64.0	60.0	
22-Aug-17	Fine	10:58	63.5	60.0	
22-Aug-17	Fine	11:03	63.5	60.0	
29-Aug-17	Sunny	13:35	64.5	59.5	65
29-Aug-17	Sunny	13:40	63.5	59.5	
29-Aug-17	Sunny	13:45	63.5	59.0	
29-Aug-17	Sunny	13:50	63.5	60.5	
29-Aug-17	Sunny	13:55	64.5	60.5	
29-Aug-17	Sunny	14:00	63.0	60.5	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
01-Aug-17	Sunny	10:00	61.5	47.5	57
01-Aug-17	Sunny	10:05	56.0	47.0	
01-Aug-17	Sunny	10:10	53.0	49.0	
01-Aug-17	Sunny	10:15	56.5	48.5	
01-Aug-17	Sunny	10:20	54.5	47.5	
01-Aug-17	Sunny	10:25	60.0	48.5	
07-Aug-17	Sunny	10:15	55.0	49.5	57
07-Aug-17	Sunny	10:20	54.0	49.0	
07-Aug-17	Sunny	10:25	57.0	47.5	
07-Aug-17	Sunny	10:30	56.0	47.5	
07-Aug-17	Sunny	10:35	56.5	48.5	
07-Aug-17	Sunny	10:40	55.5	47.0	
17-Aug-17	Sunny	09:50	68.5	47.5	61
17-Aug-17	Sunny	09:55	55.0	47.0	
17-Aug-17	Sunny	10:00	56.0	49.0	
17-Aug-17	Sunny	10:05	55.0	47.5	
17-Aug-17	Sunny	10:10	69.0	49.5	
17-Aug-17	Sunny	10:15	56.5	48.5	
25-Aug-17	Sunny	10:24	58.5	52.0	59
25-Aug-17	Sunny	10:29	62.0	52.0	
25-Aug-17	Sunny	10:34	56.5	50.0	
25-Aug-17	Sunny	10:39	56.5	46.5	
25-Aug-17	Sunny	10:44	60.0	46.0	
25-Aug-17	Sunny	10:49	60.0	48.0	
29-Aug-17	Sunny	09:50	57.0	50.0	53
29-Aug-17	Sunny	09:55	56.0	50.0	
29-Aug-17	Sunny	10:00	60.5	52.5	
29-Aug-17	Sunny	10:05	57.0	50.5	
29-Aug-17	Sunny	10:10	60.0	52.0	
29-Aug-17	Sunny	10:15	59.5	51.0	

Remarks:

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

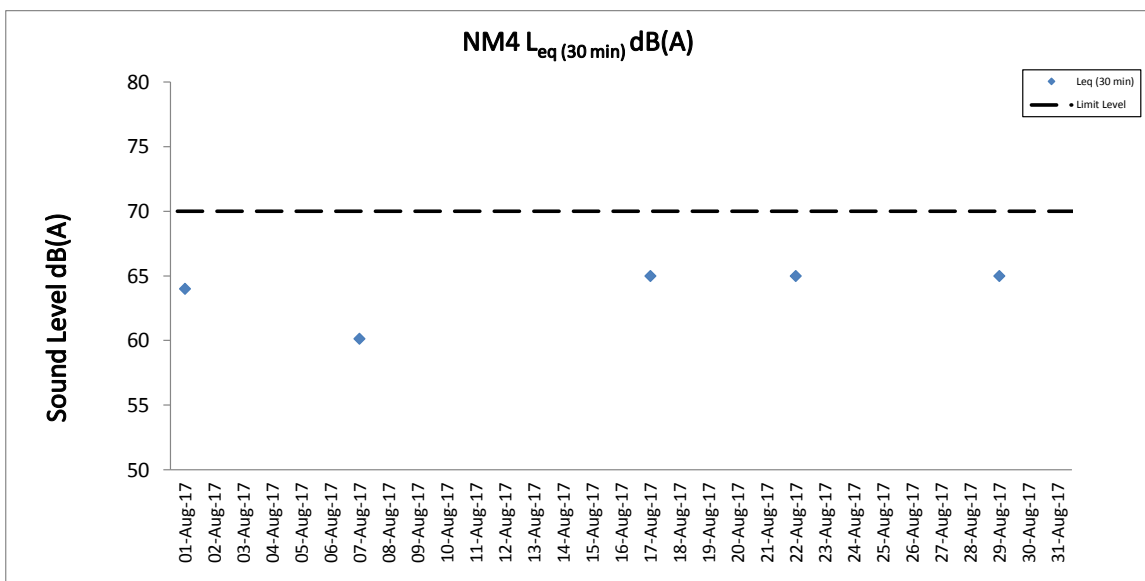
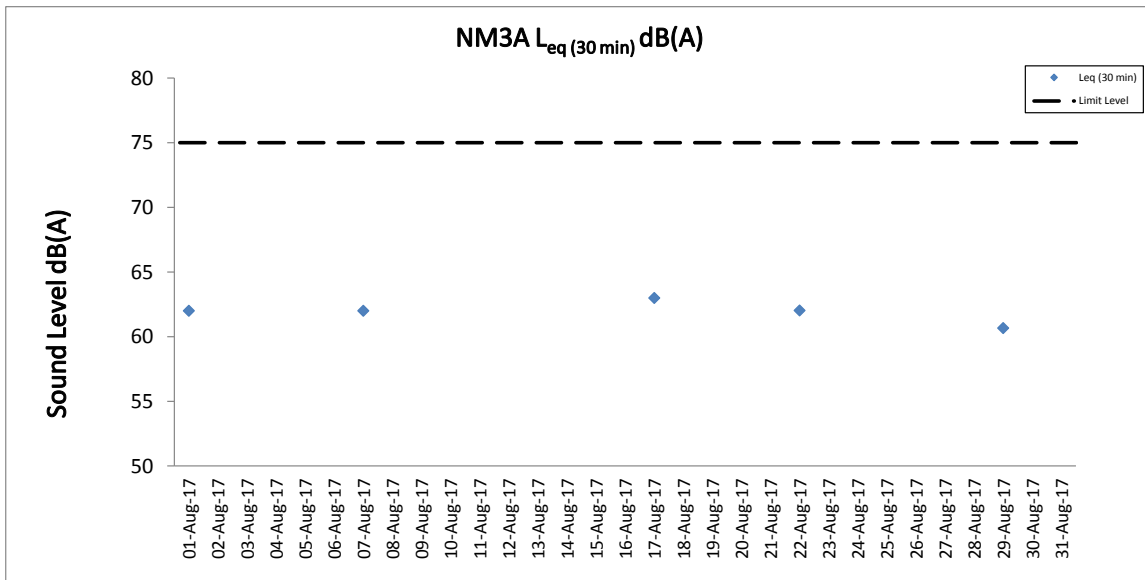
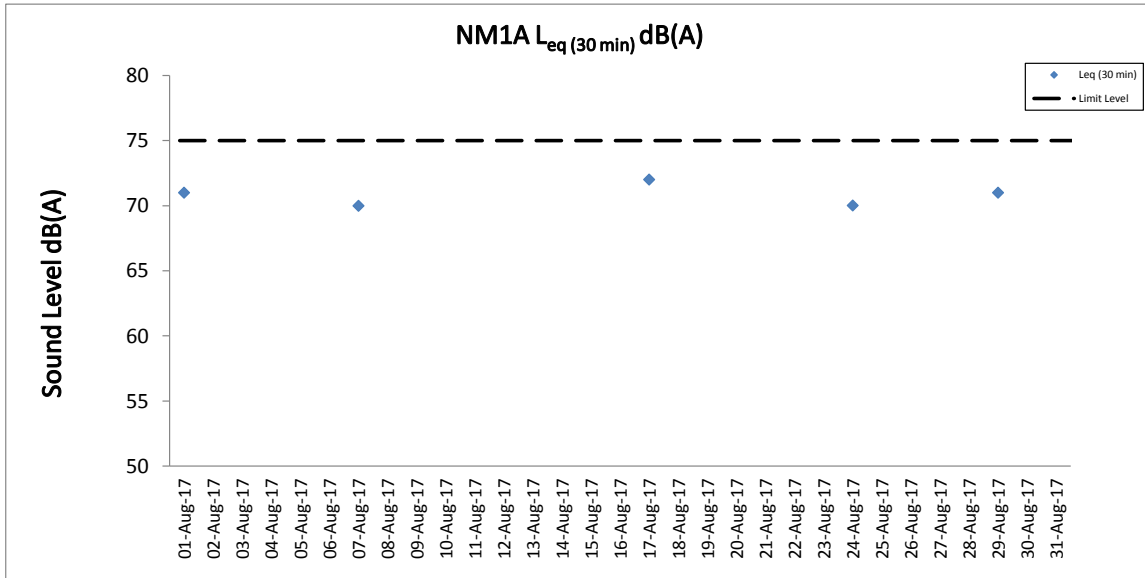
Noise Measurement Results

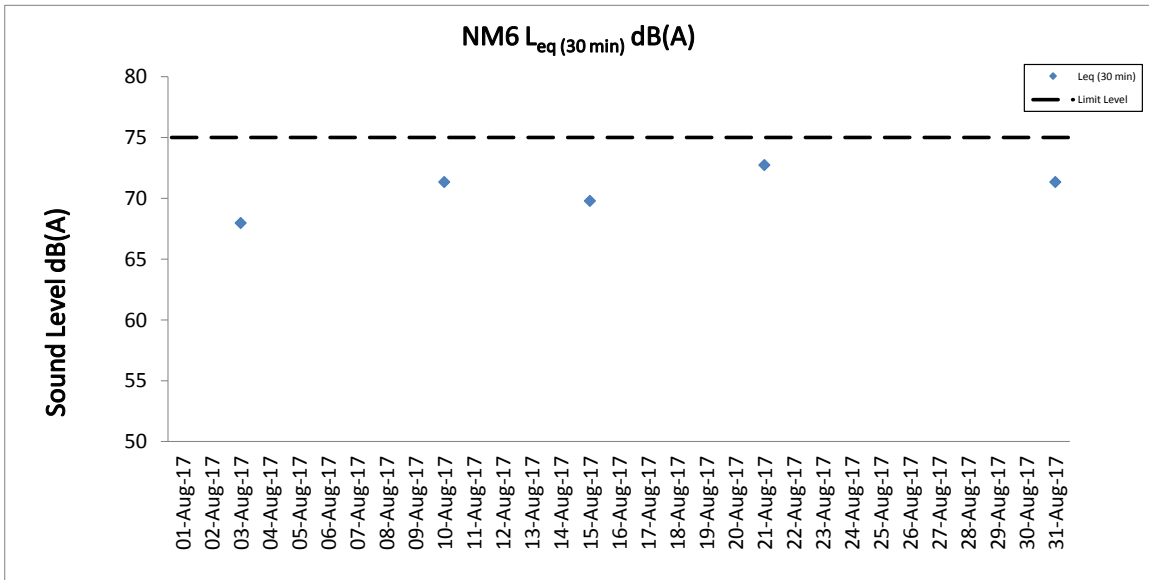
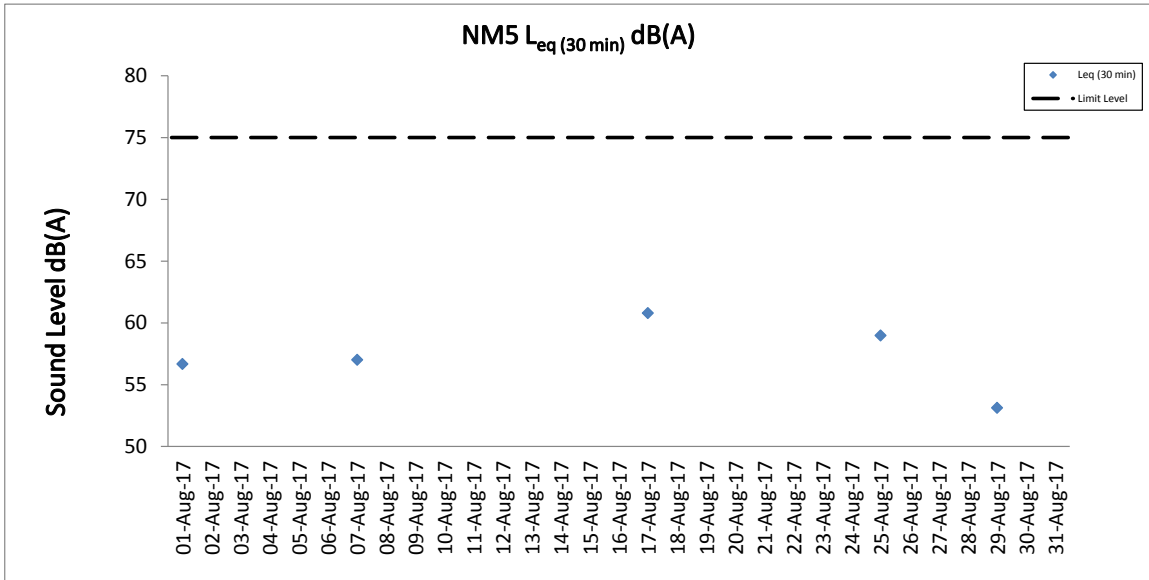
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
03-Aug-17	Cloudy	09:39	71.5	60.0	68
03-Aug-17	Cloudy	09:44	72.5	55.5	
03-Aug-17	Cloudy	09:49	72.5	58.5	
03-Aug-17	Cloudy	09:54	71.0	56.0	
03-Aug-17	Cloudy	09:59	71.5	57.0	
03-Aug-17	Cloudy	10:04	75.5	57.5	
10-Aug-17	Cloudy	09:37	72.0	58.0	71
10-Aug-17	Cloudy	09:42	77.5	59.0	
10-Aug-17	Cloudy	09:47	77.5	65.5	
10-Aug-17	Cloudy	09:52	70.5	58.5	
10-Aug-17	Cloudy	09:57	66.5	59.0	
10-Aug-17	Cloudy	10:02	66.5	57.0	
15-Aug-17	Sunny	09:40	72.0	49.0	70
15-Aug-17	Sunny	09:45	75.0	49.0	
15-Aug-17	Sunny	09:50	73.0	48.5	
15-Aug-17	Sunny	09:55	73.5	56.0	
15-Aug-17	Sunny	10:00	63.5	49.5	
15-Aug-17	Sunny	10:05	72.5	50.5	
21-Aug-17	Sunny	09:41	76.0	52.5	73
21-Aug-17	Sunny	09:46	75.0	51.5	
21-Aug-17	Sunny	09:51	75.5	51.0	
21-Aug-17	Sunny	09:56	76.0	5.0	
21-Aug-17	Sunny	10:01	73.5	52.0	
21-Aug-17	Sunny	10:06	73.5	53.0	
31-Aug-17	Sunny	09:39	73.5	53.5	71
31-Aug-17	Sunny	09:44	77.5	54.0	
31-Aug-17	Sunny	09:49	72.5	52.5	
31-Aug-17	Sunny	09:54	74.0	52.5	
31-Aug-17	Sunny	09:59	76.5	54.0	
31-Aug-17	Sunny	10:04	72.0	54.0	

Remarks:

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





Water Quality Monitoring Results

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 August 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	Rough	08:53	8.8	Surface	1.0	0.2	220	29.7	8.1	8.1	12.8	12.8	94.3	94.2	6.7	5.4	5	69	73	8	73	71	815603	804262	<0.2	1.8	1.8	2.0							
						1.0	0.2	222	29.7	8.1	8.1	12.8	12.8	94.0	94.2	6.7	5.5	7	70	7	70	7	70	7	70	71	815603	804262	<0.2	1.9	1.9	2.0				
						4.4	0.5	211	29.3	29.3	8.0	8.0	17.3	17.2	73.0	72.7	5.1	7.0	7	73	7	73	7	73	7	73	71	815603	804262	<0.2	2.0	2.0	2.0			
					4.4	0.5	217	29.3	29.3	8.0	8.0	17.0	17.2	72.4	72.7	5.0	7.2	9	75	9	75	9	75	9	75	71	815603	804262	<0.2	1.5	1.5	2.0				
					7.8	0.4	233	28.4	28.3	8.0	8.0	23.8	24.6	73.4	74.5	5.0	9.5	9	75	9	75	9	75	9	75	71	815603	804262	<0.2	2.0	2.0	2.0				
					7.8	0.4	237	28.2	28.3	7.9	8.0	25.3	24.6	75.5	74.5	5.1	9.5	11	75	11	75	11	75	11	75	71	815603	804262	<0.2	1.6	1.6	2.0				
C2	Cloudy	Moderate	09:47	11.3	Surface	1.0	0.7	164	29.8	8.2	8.2	13.4	13.4	84.4	84.4	6.0	7.6	8	68	10	68	10	68	70	825699	806938	<0.2	2.6	2.6	2.4						
						1.0	0.8	176	29.8	29.8	8.2	8.2	13.4	13.4	84.3	84.4	5.9	7.6	9	69	9	69	9	69	10	68	70	825699	806938	<0.2	2.4	2.4	2.4			
						5.7	0.7	136	29.4	29.4	8.0	8.0	18.3	18.3	66.8	66.8	4.6	10.7	10	70	10	70	10	70	10	70	71	825699	806938	<0.2	2.3	2.3	2.4			
					5.7	0.7	137	29.4	29.4	8.0	8.0	18.3	18.3	66.8	66.8	4.6	10.7	10	70	10	70	10	70	10	70	71	825699	806938	<0.2	2.4	2.4	2.4				
					10.3	1.0	86	28.2	28.2	8.0	8.0	24.6	24.6	50.3	50.3	3.4	11.4	10	71	10	71	10	71	10	71	71	825699	806938	<0.2	2.2	2.2	2.4				
					10.3	1.0	90	28.2	28.2	8.0	8.0	24.6	24.6	50.3	50.3	3.4	11.5	10	71	10	71	10	71	10	71	71	825699	806938	<0.2	2.2	2.2	2.4				
C3	Cloudy	Moderate	06:48	13.8	Surface	1.0	0.3	67	29.6	8.1	8.1	17.0	17.0	86.1	86.1	6.0	4.8	5	69	6	69	8	71	71	822104	817803	<0.2	1.7	1.7	2.0						
						1.0	0.3	67	29.6	29.6	8.1	8.1	17.0	17.0	86.1	86.1	6.0	4.8	6	69	6	69	8	71	6	69	71	822104	817803	<0.2	1.7	1.7	2.0			
						6.9	0.1	314	28.8	28.8	8.0	8.0	22.2	22.2	72.0	72.0	4.9	4.1	9	71	9	71	9	71	9	71	71	822104	817803	<0.2	1.7	1.7	2.0			
					6.9	0.1	339	28.8	28.8	8.0	8.0	22.2	22.2	72.0	72.0	4.9	4.1	9	71	9	71	9	71	9	71	71	822104	817803	<0.2	1.7	1.7	2.0				
					12.8	1.0	286	27.4	27.4	8.0	8.0	28.4	28.4	54.1	54.2	3.7	4.5	9	74	9	74	9	74	9	74	71	822104	817803	<0.2	1.9	1.9	2.0				
					12.8	1.0	307	27.4	27.4	8.0	8.0	28.4	28.4	54.2	54.2	3.7	4.4	8	73	8	73	8	73	8	73	71	822104	817803	<0.2	2.1	2.1	2.0				
IM1	Cloudy	Rough	09:14	7.0	Surface	1.0	0.4	188	29.7	8.1	8.1	13.4	13.4	84.9	84.0	6.0	7.1	4	69	4	69	7	71	71	818352	806450	<0.2	1.6	1.6	1.3						
						1.0	0.4	193	29.7	29.7	8.1	8.1	13.4	13.4	83.1	84.0	5.9	7.2	4	69	4	69	7	71	4	69	71	818352	806450	<0.2	1.4	1.4	1.3			
						3.5	0.3	177	28.9	28.9	8.0	8.0	21.5	20.6	62.6	62.6	4.3	10.4	7	71	7	71	7	71	7	71	71	818352	806450	<0.2	1.7	1.7	1.3			
					3.5	0.4	192	28.8	28.9	8.0	8.0	19.6	20.6	62.6	62.6	4.3	11.1	7	71	7	71	7	71	7	71	71	818352	806450	<0.2	1.8	1.8	1.3				
					6.0	0.0	27	28.1	28.2	8.0	8.0	28.9	28.8	71.8	74.0	4.8	11.4	15	73	15	73	15	73	15	73	71	818352	806450	<0.2	0.6	0.6	1.3				
					6.0	0.0	29	28.2	28.2	8.0	8.0	28.7	28.8	76.1	74.0	5.1	11.9	13	73	13	73	13	73	13	73	71	818352	806450	<0.2	0.6	0.6	1.3				
IM2	Cloudy	Rough	09:21	8.1	Surface	1.0	0.4	176	29.6	8.1	8.1	13.6	13.6	87.8	87.5	6.2	6.3	8	69	7	69	8	71	71	818847	806178	<0.2	1.9	1.9	1.6						
						1.0	0.4	188	29.6	29.6	8.1	8.1	13.6	13.6	87.1	87.5	6.2	6.4	7	69	7	69	8	71	7	69	71	818847	806178	<0.2	1.9	1.9	1.6			
						4.1	0.4	184	29.4	29.4	8.0	8.0	15.5	15.5	72.8	72.0	5.1	9.5	10	71	10	71	10	71	10	71	71	818847	806178	<0.2	1.9	1.9	1.6			
					4.1	0.4	188	29.4	29.4	8.0	8.0	15.4	15.5	71.2	72.0	5.0	9.7	8	71	8	71	8	71	8	71	71	818847	806178	<0.2	1.9	1.9	1.6				
					7.1	0.2	166	28.3	28.3	8.0	8.0	27.9	27.9	59.7	59.8	4.0	13.5	13	72	13	72	13	72	13	72	71	818847	806178	<0.2	1.1	1.1	1.6				
					7.1	0.2	179	28.3	28.3	8.0	8.0	27.9	27.9	59.9	59.8	4.0	13.7	11	72	11	72	11	72	11	72	71	818847	806178	<0.2	0.9	0.9	1.6				
IM3	Cloudy	Rough	09:29	8.2	Surface	1.0	0.2	199	29.7	8.1	8.1	13.4	13.4	90.0	89.8	6.4	5.4	7	69	8	70	7	69	71	819419	806013	<0.2	2.0	2.0	2.0						
						1.0	0.2	212	29.7	29.7	8.1	8.1	13.4	13.4	89.5	89.8	6.3	5.5	8	70	8	70	8	70	8	70	71	819419	806013	<0.2	1.9	1.9	2.0			
						4.1	0.4	201	29.3	29.3	8.0	8.0	15.6	15.8	71.6	70.7	5.0	8.1	8	71	8	71	8	71	8	71	71	819419	806013	<0.2	1.9	1.9	2.0			
					4.1	0.4	220	29.3	29.3	8.0	8.0	16.0	16.0	69.8	69.8	4.9	8.4	7	71	7	71	7	71	7	71	71	819419	806013	<0.2	2.3	2.3	2.0				
					7.2	0.2	211	28.5	28.5	8.0	8.0	26.3	26.1	60.5	60.7	4.1	11.1	9	73	9	73	9	73	9	73	71	819419	806013	<0.2	1.9	1.9	2.0				
					7.2	0.2	218	28.5	28.5	8.0	8.0	25.9	26.1	60.8	60.7	4.1	11.3	9	73	9	73	9	73	9	73	71	819419	806013	<0.2	1.8	1.8	2.0				
IM4	Cloudy	Rough	09:39	7.7	Surface	1.0	0.3	183	29.7	8.1	8.1	13.2	13.2	91.0	90.7	6.4	5.9	8	68	8	68	8	71	71	819561	805049	<0.2	2.0	2.0	1.9						
						1.0	0.3	183	29.7	29.7	8.1	8.1	13.2	13.2	90.3	90.7	6.4	5.9	8	68	8	68	8	71	8	68	71	819561	805049	<0.2	2.0	2.0	1.9			
						3.9	0.2	199	29.5	29.5	8.1	8.1	13.3	13.3	74.8	74.6	5.3	8.7	7	71	7	71	7	71	7	71	71	819561	805049	<0.2	1.9	1.9	1.9			
					3.9	0.2	211	29.5	29.5	8.1	8.1	13.3	13.3	74.3	74.6	5.3	8.8	8	71	8	71	8	71	8	71	71	819561	805049	<0.2	1.8	1.8	1.9				
					6.7	0.1	163	28.7	28.7	8.0	8.0	22.4	22.6	65.7	66.4	4.5	13.1	10	73	10	73	10	73	10	73	71	819561	805049	<0.2	1.8	1.8	1.9				
					6.7	0.1	163	28.7	28.7	8.0	8.0	22.7	22.6	67.1	66.4	4.6	12.9	12	73	12	73	12	73	12	73	71	819561	805049	<0.2	1.6	1.6	1.9				
IM5	Cloudy	Rough	09:51	6.6	Surface	1.0	0.3	190	29.7	8.1	8.1	13.2	13.2	91.5	91.3	6.5	6.1	5	68	4	68	4	68	72	820575	804912	<0									

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 August 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
IM9	Cloudy	Moderate	08:45	7.1	Surface	1.0	0.4	132	29.7	8.1	8.1	14.2	14.2	83.8	83.7	5.9	6.2	6	68	6	68	822108	808823	<0.2	1.8	1.9										
						1.0	0.4	133	29.7	8.1	8.1	14.2	14.2	83.6	83.7	5.9	6.2	6	67	6	67	<0.2	2.0													
					Middle	3.6	0.3	143	29.5	29.5	8.1	8.1	15.6	15.6	75.4	75.4	5.3	7.3	6	70	6	70	<0.2	1.9												
						3.6	0.3	148	29.5	29.5	8.1	8.1	15.6	15.6	75.4	75.4	5.3	7.3	5	70	5	70	<0.2	1.8												
					Bottom	6.1	0.3	124	28.9	28.9	8.0	8.0	21.5	21.6	58.6	58.1	4.0	13.3	8	71	8	71	<0.2	1.9												
						6.1	0.3	128	28.8	28.9	8.0	8.0	21.7	21.6	57.6	58.1	3.9	15.1	8	71	8	71	<0.2	2.0												
IM10	Cloudy	Moderate	08:36	6.8	Surface	1.0	0.4	120	29.7	29.7	8.1	8.1	13.9	13.9	86.5	86.5	6.1	6.3	4	64	4	64	822221	809818	<0.2	2.5	2.5									
						1.0	0.4	130	29.7	29.7	8.1	8.1	13.9	13.9	86.5	86.5	6.1	6.3	6	65	6	65	<0.2	2.4												
					Middle	3.4	0.3	129	29.7	29.7	8.1	8.1	15.1	15.1	84.7	84.7	5.9	6.1	4	68	4	68	<0.2	2.4												
						3.4	0.4	138	29.7	29.7	8.1	8.1	15.1	15.1	84.7	84.7	5.9	6.1	6	69	6	69	<0.2	2.3												
					Bottom	5.8	0.3	94	29.2	29.2	8.1	8.1	19.6	19.6	66.4	66.4	4.6	8.5	4	71	4	71	<0.2	2.6												
						5.8	0.4	102	29.2	29.2	8.1	8.1	19.6	19.6	66.4	66.4	4.6	8.5	6	71	6	71	<0.2	2.5												
IM11	Cloudy	Moderate	08:23	7.9	Surface	1.0	0.4	96	29.8	29.8	8.2	8.2	13.6	13.6	88.8	88.8	6.3	7.1	6	69	6	69	821515	810563	<0.2	2.6	2.5									
						1.0	0.4	101	29.8	29.8	8.2	8.2	13.6	13.6	88.8	88.8	6.3	7.1	7	70	7	70	<0.2	2.7												
					Middle	4.0	0.4	104	29.7	29.7	8.1	8.1	16.1	16.2	84.1	84.1	5.9	6.8	5	71	5	71	<0.2	2.3												
						4.0	0.4	113	29.7	29.7	8.1	8.1	16.2	16.2	84.0	84.1	5.9	6.8	6	71	6	71	<0.2	2.5												
					Bottom	6.9	0.5	95	29.2	29.2	8.1	8.1	20.2	20.2	71.2	71.2	4.9	8.9	6	73	6	73	<0.2	2.2												
						6.9	0.5	95	29.2	29.2	8.1	8.1	20.2	20.2	71.2	71.2	4.9	8.9	8	73	8	73	<0.2	2.4												
IM12	Cloudy	Moderate	08:13	8.3	Surface	1.0	0.4	81	29.9	29.9	8.2	8.2	13.0	13.0	89.5	89.5	6.3	9.4	9	70	9	70	821153	811512	<0.2	1.9	1.9									
						1.0	0.4	89	29.9	29.9	8.2	8.2	13.0	13.0	89.5	89.5	6.3	9.4	10	70	10	70	<0.2	2.1												
					Middle	4.2	0.5	111	29.8	29.8	8.1	8.1	15.2	15.2	84.7	84.7	5.9	7.0	9	72	9	72	<0.2	1.8												
						4.2	0.5	112	29.8	29.8	8.1	8.1	15.2	15.2	84.7	84.7	5.9	7.0	11	71	11	71	<0.2	2.0												
					Bottom	7.3	0.4	134	29.2	29.2	8.0	8.0	19.9	19.9	67.9	67.8	4.7	7.9	10	73	10	73	<0.2	1.8												
						7.3	0.4	138	29.2	29.2	8.0	8.0	19.9	19.9	67.7	67.8	4.7	8.0	9	73	9	73	<0.2	1.9												
SR2	Cloudy	Moderate	07:18	4.7	Surface	1.0	0.6	89	29.8	29.8	8.1	8.1	13.3	13.3	90.4	90.4	6.4	7.8	3	68	3	68	821459	814168	<0.2	2.0	2.1									
						1.0	0.6	89	29.8	29.8	8.1	8.1	13.3	13.3	90.4	90.4	6.4	7.8	4	68	4	68	<0.2	2.0												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-					
					Bottom	3.7	0.6	84	29.8	29.8	8.1	8.1	14.3	14.3	88.7	88.7	6.2	7.8	9	71	9	71	<0.2	2.2												
						3.7	0.7	91	29.8	29.8	8.1	8.1	14.3	14.3	88.7	88.7	6.2	7.8	8	72	8	72	<0.2	2.0												
SR3	Cloudy	Moderate	09:04	8.5	Surface	1.0	0.3	147	29.8	29.8	8.2	8.2	14.0	14.0	86.0	86.0	6.0	5.8	8	-	8	-	822159	807559	-	-	-									
						1.0	0.3	155	29.8	29.8	8.2	8.2	14.0	14.0	85.9	86.0	6.0	5.8	7	-	7	-	-	-												
					Middle	4.3	0.6	134	29.4	29.4	8.1	8.1	19.3	19.3	70.1	70.1	4.8	6.3	8	-	8	-	-	-												
						4.3	0.6	144	29.4	29.4	8.1	8.1	19.3	19.3	70.0	70.0	4.8	6.4	8	-	8	-	-	-												
					Bottom	7.5	0.4	122	28.5	28.5	8.0	8.0	23.6	23.6	53.6	53.7	3.7	18.4	7	-	7	-	-	-												
						7.5	0.4	133	28.5	28.5	8.0	8.0	23.6	23.6	53.7	53.7	3.7	18.4	7	-	7	-	-	-												
SR4A	Cloudy	Moderate	08:31	9.5	Surface	1.0	0.2	217	29.8	29.8	8.2	8.2	14.9	15.0	95.6	95.5	6.7	8.0	6	-	6	-	817177	807826	-	-	-									
						1.0	0.2	224	29.8	29.8	8.2	8.2	15.0	15.0	95.3	95.3	6.7	8.0	7	-	7	-	-	-												
					Middle	4.8	0.1	236	29.2	29.3	8.0	8.0	21.7	21.7	76.3	76.2	5.2	11.2	13	-	13	-	-	-												
						4.8	0.1	238	29.3	29.3	8.0	8.0	21.7	21.7	76.1	76.2	5.2	11.1	14	-	14	-	-	-												
					Bottom	8.5	0.1	83	28.2	28.2	8.0	8.0	28.3	28.3	61.8	62.1	4.1	18.1	22	-	22	-	-	-												
						8.5	0.1	87	28.2	28.2	8.0	8.0	28.3	28.3	62.4	62.4	4.2	18.7	21	-	21	-	-	-												
SR5A	Cloudy	Moderate	08:14	5.2	Surface	1.0	0.1	296	29.7	29.7	8.2	8.2	15.7	15.7	109.0	109.1	7.6	6.5	8	-	8	-	816600	810700	-	-	-									
						1.0	0.1	308	29.7	29.7	8.2	8.2	15.7	15.7	109.2	109.2	7.6	6.6	8	-	8	-	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-						
					Bottom	4.2	0.1	357	29.8	29.8	8.2	8.2	18.7	18.6	112.4	112.4	7.7	9.4	10	-	10	-	-	-												
						4.2	0.1	328	29.8	29.8	8.2	8.2	18.4	18.6	112.4	112.4	7.7	9.7	9	-	9	-	-	-												
SR6	Cloudy	Moderate	07:49	4.2	Surface	1.0	0.1	320	29.5	29.5	8.0	8.0	16.8	16.8	95.0	95.1	6.6	5.1	5	-	5	-	817897	814644	-	-	-									
						1.0	0.1	345	29.5	29.5	8.0	8.0	16.8	16.8	95.1	95.1	6.6	5.2	5	-	5	-	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-							
					Bottom	3.2	0.0	112	29.7	29.7	8.1	8.1	18.1	18.1	101.7	101.4	7.0	8.4	9	-	9	-	-	-												
						3.2	0.0	113	29.7	29.7	8.1	8.1	18.1	18.1	101.0	101.4	7.0	8.7	8	-	8	-	-	-												
SR7	Cloudy	Calm	06:45	17.7	Surface	1.0	0.2	120	29.0	29.1	7.9	7.9	18.7	18.6	82.7	82.8	5.7	2.6	4	-	4	-	823643	823751	-	-	-									
						1.0	0.2	126	29.1	29.1	7.9	7.9	18.5	18.6	82.9	82.8	5.8	2.6	2	-	2	-	-	-												
					Middle	8.9	0.0	99	28.8	28.8	7.8	7.8	20.3	20.3	75.9	75.9	5.2	2.7	6	-	6	-	-	-												
						8.9	0.0	99	28.8	28.8	7.8	7.8	20.2	20.3	75.8	75.9	5.2	2.7	8	-	8	-	-	-												
					Bottom	16.7	0.0	4	26.0	26.0	7.7	7.7	30.5	30.4	56.2	59.7	3.8	4.0	7	-	7	-	-	-												
						16.7	0.0	4	26.0	26.0	7.7	7.7	30.3	30.4	63.1	59.7	4.3	3.7	6	-	6	-	-													

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 August 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	Rough	14:45	8.2	Surface	1.0	0.3	42	30.0	8.2	8.2	13.9	13.9	104.2	103.7	7.3	6.9	5.5	8.3	6	7	68	71	815610	804246	<0.2	<0.2	1.8	1.7							
						1.0	0.3	43	30.0	8.2	8.2	13.9	13.9	103.2	103.7	7.2	6.9	5.7	8.3	6	7	68	71	68	71	<0.2	<0.2	1.8	1.7							
						4.1	0.2	36	29.6	8.1	8.1	14.4	14.4	92.6	92.6	6.5	6.9	8.7	8.3	6	7	70	71	70	71	<0.2	<0.2	1.6	1.7							
					4.1	0.2	38	29.6	8.1	8.1	14.4	14.4	92.5	92.6	6.5	6.9	8.9	8.3	7	7	70	71	74	71	<0.2	<0.2	1.8	1.7								
					7.2	0.3	41	28.2	7.9	7.9	27.9	27.9	59.9	60.4	4.0	4.1	10.5	10.5	6	7	74	71	74	71	<0.2	<0.2	1.6	1.7								
					7.2	0.4	42	28.2	7.9	7.9	27.9	27.9	60.9	60.4	4.1	4.1	10.4	10.4	8	7	74	71	74	71	<0.2	<0.2	1.5	1.7								
C2	Cloudy	Moderate	13:50	11.1	Surface	1.0	0.3	56	30.1	8.2	8.2	13.5	13.5	94.9	94.9	6.7	5.7	8.1	8.6	10	9	68	71	825674	806928	<0.2	<0.2	1.9	1.7							
						1.0	0.3	58	30.1	8.2	8.2	13.5	13.5	94.8	94.9	6.6	5.7	8.1	8.6	8	9	68	71	68	71	<0.2	<0.2	1.9	1.7							
						5.6	0.1	338	29.3	8.0	8.0	18.3	18.3	68.2	68.2	4.7	3.9	9.1	8.6	8	9	70	71	70	71	<0.2	<0.2	1.6	1.7							
					5.6	0.1	356	29.3	8.0	8.0	18.3	18.3	68.2	68.2	4.7	3.9	9.1	8.6	8	9	70	71	74	71	<0.2	<0.2	1.6	1.7								
					10.1	0.3	305	28.4	7.9	7.9	24.2	24.2	57.6	57.6	3.9	3.9	8.6	8.6	8	9	74	71	74	71	<0.2	<0.2	1.4	1.5								
					10.1	0.3	334	28.4	7.9	7.9	24.2	24.2	57.6	57.6	3.9	3.9	8.7	8.6	9	9	73	71	73	71	<0.2	<0.2	1.5	1.5								
C3	Cloudy	Moderate	16:30	13.1	Surface	1.0	0.1	333	30.5	8.3	8.3	14.6	14.6	98.9	98.9	6.8	5.6	4.8	5.0	6	6	70	71	822112	817811	<0.2	<0.2	2.7	2.4							
						1.0	0.1	351	30.5	8.3	8.3	14.6	14.6	98.9	98.9	6.8	5.6	4.8	5.0	5	6	69	71	69	71	<0.2	<0.2	2.6	2.4							
						6.6	0.2	227	28.5	8.0	8.0	23.4	23.4	63.9	63.9	4.4	3.5	4.1	5.0	5	6	71	71	71	71	<0.2	<0.2	2.3	2.4							
					6.6	0.2	243	28.5	8.0	8.0	23.4	23.4	63.9	63.9	4.4	3.5	4.1	5.0	5	6	71	71	71	71	<0.2	<0.2	2.2	2.4								
					12.1	0.3	296	27.4	8.0	8.0	26.7	26.7	50.5	50.6	3.5	3.5	6.0	6.0	8	6	73	71	73	71	<0.2	<0.2	2.4	2.4								
					12.1	0.3	305	27.4	8.0	8.0	26.7	26.7	50.7	50.6	3.5	3.5	6.0	6.0	7	6	74	71	74	71	<0.2	<0.2	2.4	2.4								
IM1	Cloudy	Rough	14:22	7.1	Surface	1.0	0.5	22	30.2	8.2	8.2	13.8	13.8	110.6	110.4	7.7	7.4	5.3	7.6	6	7	67	70	818357	806459	<0.2	<0.2	1.4	1.5							
						1.0	0.5	22	30.2	8.2	8.2	13.8	13.8	110.2	110.4	7.7	7.4	5.3	7.6	8	7	67	70	67	70	<0.2	<0.2	1.5	1.5							
						3.6	0.4	12	29.9	8.2	8.2	14.7	14.7	100.8	100.7	7.1	6.7	7.4	7.6	6	7	69	70	69	70	<0.2	<0.2	1.6	1.5							
					3.6	0.4	12	29.9	8.2	8.2	14.7	14.7	100.6	100.7	7.0	6.7	7.5	7.6	7	7	70	70	70	70	<0.2	<0.2	1.4	1.6								
					6.1	0.4	4	29.7	8.2	8.2	15.3	15.4	95.9	95.7	6.7	6.7	9.8	9.8	8	7	74	70	74	70	<0.2	<0.2	1.6	1.6								
					6.1	0.5	4	29.6	8.1	8.2	15.5	15.4	95.4	95.7	6.7	6.7	10.5	9.8	9	7	74	70	74	70	<0.2	<0.2	1.6	1.6								
IM2	Cloudy	Rough	14:15	8.1	Surface	1.0	0.4	327	30.2	8.3	8.3	13.4	13.4	113.0	112.5	7.9	6.8	5.4	11.6	6	7	68	71	818840	806201	<0.2	<0.2	1.6	1.4							
						1.0	0.4	332	30.2	8.3	8.3	13.4	13.4	112.0	112.5	7.8	6.8	5.6	11.6	6	7	68	71	68	71	<0.2	<0.2	1.5	1.4							
						4.1	0.3	313	29.5	8.1	8.1	17.3	17.3	83.0	82.9	5.8	5.7	10.9	11.6	5	7	70	71	70	71	<0.2	<0.2	1.4	1.4							
					4.1	0.3	340	29.5	8.1	8.1	17.3	17.3	82.7	82.9	5.7	5.7	10.9	11.6	5	7	70	71	70	71	<0.2	<0.2	1.4	1.4								
					7.1	0.3	338	28.2	8.0	8.0	28.7	28.7	67.9	69.7	4.5	4.7	18.5	18.5	9	7	74	71	74	71	<0.2	<0.2	1.2	1.2								
					7.1	0.3	355	28.2	8.0	8.0	28.7	28.7	67.9	69.7	4.5	4.7	18.5	18.5	9	7	74	71	74	71	<0.2	<0.2	1.2	1.2								
IM3	Cloudy	Rough	14:06	8.0	Surface	1.0	0.4	323	30.0	8.2	8.2	14.0	14.0	107.6	107.4	7.5	6.6	6.4	9.8	10	11	68	71	819408	806012	<0.2	<0.2	1.6	1.6							
						1.0	0.4	344	30.0	8.2	8.2	14.0	14.0	107.2	107.4	7.5	6.6	6.5	9.8	10	11	68	71	68	71	<0.2	<0.2	1.5	1.6							
						4.0	0.3	280	29.5	8.0	8.0	15.9	15.9	81.8	81.7	5.7	5.7	10.7	9.8	10	11	71	71	71	71	<0.2	<0.2	1.4	1.6							
					4.0	0.3	285	29.5	8.0	8.0	15.9	15.9	81.5	81.7	5.7	5.7	10.7	9.8	10	11	71	71	71	71	<0.2	<0.2	1.6	1.6								
					7.0	0.1	343	28.6	8.0	8.0	26.1	26.1	60.6	60.6	4.1	4.1	12.1	12.1	12	11	73	71	73	71	<0.2	<0.2	1.5	1.5								
					7.0	0.1	354	28.6	8.0	8.0	26.1	26.1	60.6	60.6	4.1	4.1	12.2	12.2	11	11	73	71	73	71	<0.2	<0.2	1.9	1.9								
IM4	Cloudy	Rough	13:56	7.5	Surface	1.0	0.2	342	29.9	8.1	8.1	14.9	14.9	96.9	96.8	6.8	5.9	7.6	12.5	8	8	67	70	819588	805039	<0.2	<0.2	2.0	1.8							
						1.0	0.2	354	29.9	8.1	8.1	14.9	14.9	96.6	96.8	6.7	5.9	7.6	12.5	8	8	68	70	68	70	<0.2	<0.2	1.8	1.8							
						3.8	0.1	340	28.9	8.0	8.0	20.4	20.2	72.0	72.1	5.0	4.7	13.4	12.5	8	8	72	70	72	70	<0.2	<0.2	1.7	1.6							
					3.8	0.1	340	28.9	8.0	8.0	19.9	20.2	72.2	72.1	5.0	4.7	13.5	12.5	7	8	72	70	72	70	<0.2	<0.2	1.6	1.6								
					6.5	0.1	355	28.7	8.0	8.0	23.3	22.6	68.4	68.5	4.6	4.7	16.4	16.5	8	7	70	70	70	70	<0.2	<0.2	1.7	1.8								
					6.5	0.1	327	28.7	8.0	8.0	21.8	22.6	68.5	68.5	4.7	4.7	16.5	16.5	7	7	70	70	70	70	<0.2	<0.2	1.8	1.8								
IM5	Cloudy	Rough	13:44	6.3	Surface	1.0	0.1	359	29.9	8.1	8.1	15.1	15.1	94.7	94.7	6.6	6.4	6.4	9.5	8	10	69	71	820558	804936	<0.2	<0.2	1.5	1.5							
						1.0	0.2	330	29.9	8.1	8.1	15.1	15.1	94.7	94.7	6.6	6.4	6.4	9.5	8	10	69	71	69	71	<0.2	<0.2	1.4	1.4							
						3.2	0.3	300	29.6	8.0	8.0	15.9	15.9	87.7	87.8	6.1	6.1	7.3	9.5	9	10	71	71	71	71	<0.2	<0.2	1.6	1.6							
					3.2	0.3	309	29.6	8.0	8.0	15.9	15.9	87.9	87.8	6.1	6.1	7.3	9.5	8	10	72	71	72	71	<0.2	<0.2	1.5	1.5								
					5.3	0.1	272	29.0	7.9	7.9	19.6	19.6	73.3	73.8	5.1	5.1	15.1	15.1	15	8	73	71	73	71	<0.2	<0.2	1.6	1.6								
					5.3	0.1	288	29.0	7.9	7.9	19.6	19.6	74.3	73.8	5.1	5.1	14.7	14.7	14	8	73	71	73	71	<0.2	<0.2	1.5	1.5								
IM6	Cloudy	Rough	13:34	6.2	Surface	1.0	0.4	325	29.8																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 August 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
IM9	Cloudy	Moderate	14:56	6.9	Surface	1.0	0.1	158	30.2	8.2	8.2	13.6	13.6	95.6	95.6	6.7	7.9	8	68	8	68	822080	808818	<0.2	2.1	2.0										
						1.0	0.1	171	30.2	8.2	8.2	13.6	13.6	95.6	95.6	6.7	7.9	10	67	10	67	<0.2	2.0													
					Middle	3.5	0.1	220	30.0	8.2	8.2	13.7	13.7	88.2	88.1	6.2	7.8	11	69	11	69	<0.2	2.0													
						3.5	0.1	232	30.0	8.2	8.2	13.7	13.7	87.9	88.1	6.2	7.8	10	70	10	70	<0.2	2.1													
					Bottom	5.9	0.2	292	29.5	8.0	8.0	17.1	17.1	74.9	74.9	5.2	7.4	11	72	11	72	<0.2	2.0													
						5.9	0.2	304	29.5	8.0	8.0	17.1	17.1	74.9	74.9	5.2	7.4	10	72	10	72	<0.2	2.0													
IM10	Cloudy	Moderate	15:03	6.9	Surface	1.0	0.0	26	30.3	8.2	8.2	13.5	13.5	99.2	99.2	6.9	7.4	8	68	8	68	822233	809830	<0.2	2.2	2.1										
						1.0	0.0	27	30.3	8.2	8.2	13.5	13.5	99.1	99.2	6.9	7.4	8	68	8	68	<0.2	2.5													
					Middle	3.5	0.2	309	29.8	8.1	8.1	15.3	15.3	82.5	82.5	5.8	7.8	10	71	10	71	<0.2	1.9													
						3.5	0.2	317	29.8	8.1	8.1	15.3	15.3	82.5	82.5	5.8	7.8	8	71	8	71	<0.2	2.0													
					Bottom	5.9	0.2	322	29.4	8.0	8.0	18.2	18.2	71.4	71.4	4.9	9.6	10	73	10	73	<0.2	2.1													
						5.9	0.2	327	29.4	8.0	8.0	18.2	18.2	71.4	71.4	4.9	9.6	10	73	10	73	<0.2	2.0													
IM11	Cloudy	Moderate	15:14	7.4	Surface	1.0	0.0	231	30.2	8.2	8.2	14.0	14.0	98.1	98.0	6.9	6.8	9	68	9	68	821492	810556	<0.2	1.9	2.0										
						1.0	0.0	232	30.2	8.2	8.2	14.0	14.0	97.9	98.0	6.8	6.8	8	69	8	69	<0.2	2.0													
					Middle	3.7	0.2	300	29.9	8.2	8.2	15.0	15.0	85.5	85.5	6.0	5.9	7	69	7	69	<0.2	1.9													
						3.7	0.3	321	29.9	8.2	8.2	15.0	15.0	85.5	85.5	6.0	5.9	7	69	7	69	<0.2	2.0													
					Bottom	6.4	0.2	299	29.1	8.1	8.1	20.1	20.1	71.8	71.8	4.9	7.2	7	73	7	73	<0.2	2.1													
						6.4	0.3	311	29.1	8.1	8.1	20.1	20.1	71.8	71.8	4.9	7.3	8	73	8	73	<0.2	2.2													
IM12	Cloudy	Moderate	15:21	7.0	Surface	1.0	0.1	302	30.4	8.3	8.3	13.9	13.9	105.7	105.7	7.4	6.5	5	70	5	70	821174	811537	<0.2	1.7	1.7										
						1.0	0.1	307	30.4	8.3	8.3	13.9	13.9	105.7	105.7	7.4	6.4	6	69	6	69	<0.2	1.8													
					Middle	3.5	0.3	295	29.9	8.2	8.2	15.0	15.0	92.8	92.7	6.5	6.2	8	70	8	70	<0.2	1.7													
						3.5	0.3	323	29.9	8.2	8.2	15.0	15.0	92.5	92.7	6.5	6.2	9	71	9	71	<0.2	1.4													
					Bottom	6.0	0.3	311	29.4	8.1	8.1	20.9	20.9	78.7	78.7	5.4	7.3	9	73	9	73	<0.2	1.7													
						6.0	0.3	317	29.4	8.1	8.1	20.9	20.9	78.7	78.7	5.4	7.3	9	73	9	73	<0.2	1.5													
SR2	Cloudy	Moderate	16:07	4.4	Surface	1.0	0.1	228	30.1	8.3	8.3	15.3	15.3	102.6	102.5	7.1	6.1	9	69	9	69	821458	814148	<0.2	1.7	1.7										
						1.0	0.1	235	30.1	8.3	8.3	15.3	15.3	102.4	102.5	7.1	6.1	7	69	7	69	<0.2	1.7													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-				
					Bottom	3.4	0.1	308	29.6	8.2	8.2	16.8	16.8	89.1	89.1	6.2	7.9	7	72	7	72	<0.2	1.5													
						3.4	0.1	312	29.6	8.2	8.2	16.8	16.8	89.1	89.1	6.2	7.9	8	73	8	73	<0.2	1.7													
SR3	Cloudy	Moderate	14:37	8.4	Surface	1.0	0.1	191	30.2	8.2	8.2	14.5	14.5	94.6	94.6	6.6	6.8	9	-	9	-	822144	807574	-	-	-										
						1.0	0.1	204	30.2	8.2	8.2	14.5	14.5	94.6	94.6	6.6	6.8	8	-	8	-	-	-													
					Middle	4.2	0.1	252	29.5	8.0	8.0	16.8	16.9	73.2	73.2	5.1	8.0	9	-	9	-	-	-													
						4.2	0.1	266	29.5	8.0	8.0	16.9	16.9	73.2	73.2	5.1	8.0	9	-	9	-	-	-													
					Bottom	7.4	0.1	51	28.9	8.0	8.0	21.2	21.2	60.4	60.4	4.1	10.5	8	-	8	-	-	-													
						7.4	0.1	51	28.9	8.0	8.0	21.2	21.2	60.4	60.4	4.1	10.5	9	-	9	-	-	-													
SR4A	Cloudy	Moderate	15:04	8.7	Surface	1.0	0.1	265	30.6	8.4	8.4	14.0	14.0	139.6	139.6	9.7	11.4	13	-	13	-	817193	807812	-	-	-										
						1.0	0.1	272	30.6	8.4	8.4	14.0	14.0	139.2	139.2	9.6	11.4	14	-	14	-	-	-													
					Middle	4.4	0.3	238	30.0	8.3	8.3	16.8	16.8	122.4	121.7	8.4	10.7	17	-	17	-	-	-													
						4.4	0.3	261	30.0	8.3	8.3	16.8	16.8	120.9	121.7	8.3	11.1	16	-	16	-	-	-													
					Bottom	7.7	0.3	241	29.4	8.1	8.1	20.9	21.0	87.2	87.1	5.9	18.7	16	-	16	-	-	-													
						7.7	0.3	254	29.3	8.1	8.1	21.1	21.1	86.9	87.1	5.9	19.5	16	-	16	-	-	-													
SR5A	Cloudy	Moderate	15:22	4.5	Surface	1.0	0.2	311	30.3	8.5	8.5	17.4	17.4	151.8	151.2	10.4	8.4	10	-	10	-	816585	810685	-	-	-										
						1.0	0.2	331	30.3	8.5	8.5	17.4	17.4	150.5	150.3	10.3	8.5	9	-	9	-	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-						
					Bottom	3.5	0.2	317	29.9	8.3	8.3	18.3	18.3	121.8	121.3	8.4	11.8	12	-	12	-	-	-													
						3.5	0.2	330	29.9	8.3	8.3	18.3	18.3	120.8	121.3	8.3	11.9	12	-	12	-	-	-													
SR6	Cloudy	Moderate	15:47	3.8	Surface	1.0	0.1	275	30.0	8.2	8.2	15.9	15.9	106.8	106.8	7.4	12.8	6	-	6	-	817910	814646	-	-	-										
						1.0	0.1	292	30.0	8.2	8.2	15.9	15.9	106.7	106.8	7.4	12.7	7	-	7	-	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-							
					Bottom	2.8	0.1	315	29.8	8.1	8.1	16.2	16.2	98.8	98.9	6.9	18.6	11	-	11	-	-	-													
						2.8	0.1	328	29.8	8.1	8.1	16.2	16.2	98.9	98.9	6.9	19.0	12	-	12	-	-	-													
SR7	Cloudy	Calm	16:45	16.5	Surface	1.0	0.0	216	29.0	8.0	8.0	19.8	19.8	79.4	79.3	5.5	2.8	5	-	5	-	823623	823740	-	-	-										
						1.0	0.0	217	29.0	8.0	8.0	19.8	19.8	79.1	79.3	5.5	2.9	4	-	4	-	-	-													
					Middle	8.3	0.0	315	27.5	7.9	7.9	26.6	26.6	58.1	58.1	4.6	4.0	8	-	8	-	-	-													
						8.3	0.0	320	27.4	7.9	7.9	26.5	26.6	58.1	58.1	4.6	4.0	9	-	9	-	-	-													
					Bottom	15.5	0.1	353	27.1	7.8	7.8	28.3	28.3	63.0	65.1	4.3	4.4	8	-	8	-	-	-													
						15.5	0.1	325	27.1	7.8	7.8	28.3	28.3	67.1	65.1	4.6	4.1	8	-	8	-	-	-													
SR8	Cloudy	Moderate	15:44	5.1	Surface	1.0	0.0	0	31.1	8.1	8.1	15.0	15.0	98.7	98.8	6.7	8.8	8	-	8	-	820246	811418	-	-	-										
						1.0	0.0	0	31.1	8.1	8.1	15.0	15.0	98.8	98.8	6.8	8.8	9	-	9	-	-	-													
					Middle	-	-	-</																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 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	10:51	8.6	Surface	1.0	0.6	176	29.1	8.0	8.0	15.2	15.2	85.6	85.4	6.1	5.9	5.3	9.8	5	7	83	84	815621	804243	<0.2	<0.2	1.9	1.5							
						1.0	0.6	184	29.1	8.0	8.0	15.2	15.2	85.2	85.4	6.0	5.9	5.3	9.8	7	7	84	84	815621	804243	<0.2	<0.2	2.0	1.5							
						4.3	0.3	223	28.6	8.0	8.0	22.9	22.9	67.4	67.3	4.6	5.0	4.2	4.2	7	7	79	78	815621	804243	<0.2	<0.2	1.8	1.5							
					4.3	0.3	227	28.6	8.0	8.0	22.9	22.9	67.2	67.3	4.6	5.2	4.2	4.2	9	9	78	78	815621	804243	<0.2	<0.2	1.7	1.5								
					7.6	0.5	217	27.3	7.9	7.9	30.5	30.5	60.1	61.9	4.0	4.6	3.5	3.5	8	8	91	89	815621	804243	<0.2	<0.2	2.0	1.5								
					7.6	0.5	220	27.3	7.9	7.9	30.5	30.5	63.7	61.9	4.3	4.2	3.5	3.5	8	8	81	81	815621	804243	<0.2	<0.2	0.7	1.5								
C2	Cloudy	Moderate	11:33	10.9	Surface	1.0	1.0	168	29.5	8.0	8.0	12.6	12.6	83.1	83.0	5.9	11.7	4.7	12.7	10	11	83	84	825682	806938	<0.2	<0.2	2.7	2.5							
						1.0	1.1	180	29.5	8.0	8.0	12.6	12.6	82.9	83.0	5.9	11.7	4.7	12.7	9	11	84	85	825682	806938	<0.2	<0.2	2.4	2.5							
						5.5	0.8	164	28.5	8.0	8.0	23.2	23.2	50.4	50.4	3.4	10.4	3.3	3.3	11	11	85	85	825682	806938	<0.2	<0.2	2.6	2.5							
					5.5	0.8	166	28.5	8.0	8.0	23.2	23.2	50.4	50.4	3.4	10.4	3.4	3.4	10	10	85	85	825682	806938	<0.2	<0.2	2.5	2.5								
					9.9	0.2	144	27.5	7.9	7.9	27.2	27.2	46.3	46.3	3.2	16.0	3.3	3.3	12	12	89	89	825682	806938	<0.2	<0.2	2.6	2.5								
					9.9	0.2	146	27.5	7.9	7.9	27.2	27.2	46.2	46.3	3.3	16.0	3.3	3.3	11	11	89	89	825682	806938	<0.2	<0.2	2.4	2.5								
C3	Cloudy	Moderate	08:44	12.3	Surface	1.0	0.3	64	29.1	8.2	8.2	15.6	15.6	91.6	91.6	6.5	5.8	5.7	5.3	6	6	83	83	822099	817786	<0.2	<0.2	2.0	1.8							
						1.0	0.3	68	29.1	8.2	8.2	15.6	15.6	91.6	91.6	6.5	5.9	5.7	5.3	6	6	83	86	822099	817786	<0.2	<0.2	1.8	1.8							
						6.2	0.4	119	28.3	8.1	8.1	23.1	23.1	70.0	70.0	4.8	4.4	3.5	3.5	6	6	86	86	822099	817786	<0.2	<0.2	1.9	1.8							
					6.2	0.4	123	28.3	8.1	8.1	23.1	23.1	69.9	70.0	4.8	4.4	3.5	3.5	5	5	86	87	822099	817786	<0.2	<0.2	1.7	1.8								
					11.3	1.5	150	26.6	8.0	8.0	30.0	30.0	51.2	51.3	3.5	5.7	3.5	3.5	7	7	87	88	822099	817786	<0.2	<0.2	1.8	1.8								
					11.3	1.6	159	26.6	8.0	8.0	30.0	30.0	51.3	51.3	3.5	5.7	3.5	3.5	7	7	88	88	822099	817786	<0.2	<0.2	1.8	1.8								
IM1	Fine	Moderate	11:15	7.1	Surface	1.0	0.6	204	28.6	8.0	8.0	21.7	21.8	65.9	66.1	4.5	7.0	4.5	9.1	7	7	86	86	818348	806472	<0.2	<0.2	1.6	1.0							
						1.0	0.6	209	28.6	8.0	8.0	21.9	21.8	66.2	66.1	4.5	7.0	4.5	4.5	7	7	86	86	818348	806472	<0.2	<0.2	1.6	1.0							
						3.6	0.3	206	27.5	7.9	7.9	30.0	30.0	65.5	65.3	4.5	8.0	4.5	4.5	7	7	87	87	818348	806472	<0.2	<0.2	1.0	1.0							
					3.6	0.3	212	27.5	7.9	7.9	30.0	30.0	65.0	65.3	4.5	8.1	4.5	4.5	8	8	88	88	818348	806472	<0.2	<0.2	1.0	1.0								
					6.1	0.1	204	27.4	7.9	7.9	30.3	30.4	49.1	48.9	3.4	12.0	3.4	3.4	13	13	89	89	818348	806472	<0.2	<0.2	0.5	1.0								
					6.1	0.1	218	27.4	7.9	7.9	30.4	30.4	48.7	48.9	3.4	12.5	3.4	3.4	15	15	90	90	818348	806472	<0.2	<0.2	0.5	1.0								
IM2	Fine	Moderate	11:24	8.4	Surface	1.0	0.6	191	29.0	8.0	8.0	18.0	18.4	74.2	74.0	5.2	6.0	4.8	6.2	5	5	85	86	818843	806177	<0.2	<0.2	1.8	1.2							
						1.0	0.6	199	29.0	8.0	8.0	18.8	18.4	73.8	74.0	5.1	6.0	4.8	4.8	7	7	86	86	818843	806177	<0.2	<0.2	1.8	1.2							
						4.2	0.3	200	27.6	7.9	7.9	28.9	28.9	65.1	65.2	4.5	5.1	4.5	4.5	6	6	92	92	818843	806177	<0.2	<0.2	1.1	1.2							
					4.2	0.4	213	27.7	7.9	7.9	28.8	28.9	65.3	65.2	4.5	5.4	4.5	4.5	6	6	92	92	818843	806177	<0.2	<0.2	1.2	1.2								
					7.4	0.2	193	27.4	7.9	7.9	30.3	30.3	55.0	56.1	3.7	7.3	3.8	3.8	5	5	91	91	818843	806177	<0.2	<0.2	0.8	1.2								
					7.4	0.2	206	27.4	7.9	7.9	30.3	30.3	57.1	56.1	3.8	7.5	3.8	3.8	6	6	92	92	818843	806177	<0.2	<0.2	0.7	1.2								
IM3	Fine	Moderate	11:34	8.1	Surface	1.0	0.6	208	29.2	8.0	8.0	17.3	17.3	81.0	80.9	5.6	5.5	4.7	7.5	6	6	79	78	819404	806011	<0.2	<0.2	1.8	1.5							
						1.0	0.6	226	29.2	8.0	8.0	17.3	17.3	80.8	80.9	5.6	5.6	4.7	7.5	5	5	78	78	819404	806011	<0.2	<0.2	1.9	1.5							
						4.1	0.4	192	28.1	7.9	7.9	26.2	26.0	54.3	54.4	3.7	7.1	3.7	3.7	6	6	83	83	819404	806011	<0.2	<0.2	1.8	1.5							
					4.1	0.4	199	28.2	7.9	7.9	25.8	26.0	54.5	54.4	3.7	7.2	3.7	3.7	7	7	84	84	819404	806011	<0.2	<0.2	1.8	1.5								
					7.1	0.2	213	27.4	7.9	7.9	30.0	30.0	57.9	58.1	3.9	9.8	3.9	3.9	8	8	92	92	819404	806011	<0.2	<0.2	0.7	1.5								
					7.1	0.2	232	27.4	7.9	7.9	30.0	30.0	58.3	58.1	3.9	9.6	3.9	3.9	8	8	92	92	819404	806011	<0.2	<0.2	0.7	1.5								
IM4	Fine	Moderate	11:43	7.5	Surface	1.0	0.6	192	29.4	8.0	8.0	16.4	16.4	83.1	83.0	5.8	5.6	4.9	9.4	5	5	88	88	819564	805049	<0.2	<0.2	2.0	1.5							
						1.0	0.7	197	29.4	8.0	8.0	16.4	16.4	82.9	83.0	5.8	5.6	4.9	9.4	5	5	88	88	819564	805049	<0.2	<0.2	2.0	1.5							
						3.8	0.4	202	28.3	8.0	8.0	24.2	24.2	58.1	58.0	4.0	8.9	4.0	4.0	6	6	87	87	819564	805049	<0.2	<0.2	1.9	1.5							
					3.8	0.4	219	28.3	8.0	8.0	24.2	24.2	57.9	58.0	3.9	9.1	3.9	3.9	7	7	87	87	819564	805049	<0.2	<0.2	1.8	1.5								
					6.5	0.3	200	27.5	7.9	7.9	29.5	29.4	54.7	55.6	3.7	13.7	3.7	3.8	11	11	95	95	819564	805049	<0.2	<0.2	0.7	1.5								
					6.5	0.3	211	27.5	7.9	7.9	29.2	29.4	56.5	55.6	3.8	13.4	3.8	3.8	10	10	95	95	819564	805049	<0.2	<0.2	0.8	1.5								
IM5	Fine	Moderate	11:57	6.4	Surface	1.0	0.7	184	29.5	7.9	7.9	14.5	14.5	84.6	84.4	6.0	6.5	5.2	10.4	5	5	86	86	820548	804939	<0.2	<0.2	2.3	1.8							
						1.0	0.8	190	29.5	7.9	7.9	14.5	14.5	84.1	84.4	5.9	6.5	5.2	10.4	6	6	86	86	820548	804939	<0.2	<0.2	2.2	1.8							
						3.2	0.6	181	29.1	7.9	7.9	17.1	17.1	65.0	64.4	4.5	10.8	4.5	4.5	10	10	86	86	820548	804939	<0.2	<0.2	2.4	1.8							
					3.2	0.7	187	29.1	7.9	7.9	17.1	17.1	63.8	64.4	4.5	11.7	4.5	4.5	8	8	86	86	820548	804939	<0.2	<0.2	2.1	1.8								
					5.4	0.4	201	27.5	7.9	7.9	29.2	29.2	54.4	54.5	3.7	13.6	3.7	3.7	22	22	91	91	820548	804939	<0.2	<0.2	0.8	1.8								
					5.4	0.4	210	27.5	7.9																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 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
IM9	Cloudy	Moderate	10:30	7.0	Surface	1.0	0.4	151	29.3	8.1	8.1	14.9	14.9	89.9	89.9	6.3	7.2	6	83	8	5	86	822088	808829	<0.2	2.4	<0.2	2.4									
						1.0	0.4	157	29.3	8.1	8.1	14.9	14.9	89.9	89.9	6.3	7.2	5	84	5	87	8	5	87	86	822088	808829	<0.2	2.2	<0.2	2.2						
					Middle	3.5	0.6	148	29.5	8.1	8.1	17.5	17.5	71.7	71.7	5.0	7.2	5	87	5	87	4	6	87	86	822088	808829	<0.2	2.2	<0.2	2.2						
						3.5	0.6	152	29.5	8.1	8.1	17.5	17.5	71.6	71.7	5.0	7.1	5	87	5	87	4	6	88	86	822088	808829	<0.2	2.4	<0.2	2.4						
					Bottom	6.0	0.2	20	28.3	8.0	8.0	24.4	24.4	50.7	50.8	3.5	10.8	6	88	3.5	10.9	5	89	6	89	86	822088	808829	<0.2	2.4	<0.2	2.4					
						6.0	0.2	21	28.3	8.0	8.0	24.4	24.4	50.8	50.8	3.5	10.9	5	89	3.5	10.9	5	89	6	89	86	822088	808829	<0.2	2.4	<0.2	2.4					
IM10	Cloudy	Moderate	10:23	7.1	Surface	1.0	0.4	167	29.4	8.1	8.1	15.6	15.6	81.8	81.7	5.7	7.2	5	87	5	4	87	822242	809843	<0.2	2.1	<0.2	2.1									
						1.0	0.4	183	29.4	8.1	8.1	15.6	15.6	81.5	81.7	5.7	7.2	5	86	4	88	5	4	88	86	822242	809843	<0.2	2.1	<0.2	2.1						
					Middle	3.6	0.4	157	29.2	8.0	8.0	19.3	19.3	61.8	61.8	4.3	7.9	4	89	4	89	7	4	89	86	822242	809843	<0.2	1.9	<0.2	1.9						
						3.6	0.5	172	29.2	8.0	8.0	19.2	19.3	61.8	61.8	4.3	7.9	4	89	4	89	7	4	91	86	822242	809843	<0.2	2.0	<0.2	2.0						
					Bottom	6.1	0.2	342	28.2	8.1	8.1	26.3	26.3	48.5	48.3	3.4	12.4	4	91	4	91	4	91	4	91	86	822242	809843	<0.2	2.0	<0.2	2.0					
						6.1	0.2	315	28.2	8.1	8.1	26.3	26.3	48.1	48.3	3.4	12.4	4	91	4	91	4	91	4	91	86	822242	809843	<0.2	2.0	<0.2	2.0					
IM11	Cloudy	Moderate	10:15	7.6	Surface	1.0	0.3	116	29.4	8.1	8.1	16.0	16.0	77.6	77.4	5.4	7.1	5	83	5	4	83	821502	810546	<0.2	2.1	<0.2	2.1									
						1.0	0.3	126	29.4	8.1	8.1	16.0	16.0	77.2	77.4	5.4	7.1	5	84	5	90	5	4	90	86	821502	810546	<0.2	1.8	<0.2	1.8						
					Middle	3.8	0.3	134	29.0	8.0	8.0	19.8	19.9	62.2	62.1	4.3	7.2	6	91	6	91	7	6	91	86	821502	810546	<0.2	1.7	<0.2	1.7						
						3.8	0.3	137	29.0	8.0	8.0	19.9	19.9	62.0	62.1	4.3	7.3	6	91	7	93	7	6	93	86	821502	810546	<0.2	1.8	<0.2	1.8						
					Bottom	6.6	0.1	76	28.2	8.0	8.0	26.3	26.3	48.2	48.1	3.5	13.3	7	92	7	92	7	6	92	86	821502	810546	<0.2	1.7	<0.2	1.7						
						6.6	0.1	77	28.2	8.0	8.0	26.3	26.3	48.0	48.1	3.4	13.2	6	92	6	92	7	6	92	86	821502	810546	<0.2	1.7	<0.2	1.7						
IM12	Cloudy	Moderate	10:01	7.8	Surface	1.0	0.3	82	29.3	8.1	8.1	16.9	16.9	75.5	75.5	5.3	9.7	7	87	7	8	87	821143	811507	<0.2	1.7	<0.2	1.7									
						1.0	0.3	88	29.3	8.1	8.1	16.9	16.9	75.4	75.5	5.3	9.7	7	87	7	89	7	8	89	86	821143	811507	<0.2	1.6	<0.2	1.6						
					Middle	3.9	0.4	97	28.7	8.1	8.1	22.4	22.4	56.1	56.1	3.8	10.5	8	88	8	91	7	7	91	86	821143	811507	<0.2	1.7	<0.2	1.7						
						3.9	0.4	98	28.7	8.1	8.1	22.4	22.4	56.1	56.1	3.8	10.5	8	88	7	91	7	7	90	86	821143	811507	<0.2	1.6	<0.2	1.6						
					Bottom	6.8	0.3	92	28.4	8.1	8.1	25.2	25.2	48.8	48.8	3.5	22.9	7	90	7	90	7	7	90	86	821143	811507	<0.2	1.6	<0.2	1.6						
						6.8	0.3	95	28.4	8.1	8.1	25.2	25.2	48.7	48.8	3.5	22.9	7	90	7	90	7	7	90	86	821143	811507	<0.2	1.6	<0.2	1.6						
SR2	Cloudy	Moderate	09:10	4.6	Surface	1.0	0.2	79	29.2	8.2	8.2	16.2	16.2	88.2	88.2	6.2	6.5	4	83	4	4	83	821444	814167	<0.2	1.8	<0.2	1.8									
						1.0	0.2	82	29.2	8.2	8.2	16.2	16.2	88.1	88.2	6.2	6.6	5	84	5	84	4	4	84	86	821444	814167	<0.2	1.8	<0.2	1.8						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	821444	814167	<0.2	-	<0.2	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87	821444	814167	<0.2	-	<0.2	-					
					Bottom	3.6	0.1	57	28.7	8.0	8.0	21.3	21.3	69.7	69.8	4.8	10.3	4	91	4	91	4	4	91	86	821444	814167	<0.2	1.8	<0.2	1.8						
						3.6	0.1	62	28.7	8.0	8.0	21.3	21.3	69.8	69.8	4.8	10.4	4	90	4	90	4	4	90	86	821444	814167	<0.2	1.8	<0.2	1.8						
SR3	Cloudy	Moderate	10:50	8.5	Surface	1.0	0.7	183	29.4	8.1	8.1	14.6	14.6	87.1	87.0	6.1	7.2	4	-	4	5	-	822154	807565	-	-	-	-									
						1.0	0.7	184	29.4	8.1	8.1	14.6	14.6	86.9	87.0	6.1	7.2	5	-	5	-	-	-	-	822154	807565	-	-	-	-							
					Middle	4.3	0.2	171	28.7	8.0	8.0	22.2	22.2	53.5	53.5	3.7	10.2	6	-	6	-	-	-	-	822154	807565	-	-	-	-							
						4.3	0.2	176	28.7	8.0	8.0	22.2	22.2	53.5	53.5	3.7	10.2	6	-	6	-	-	-	-	822154	807565	-	-	-	-							
					Bottom	7.5	0.1	6	28.0	8.0	8.0	29.4	29.4	53.1	53.1	3.5	12.9	8	-	8	-	-	-	-	-	822154	807565	-	-	-	-						
						7.5	0.1	6	28.0	8.0	8.0	29.4	29.4	53.1	53.1	3.5	12.9	7	-	7	-	-	-	-	-	822154	807565	-	-	-	-						
SR4A	Cloudy	Moderate	10:30	8.9	Surface	1.0	0.1	266	29.0	8.1	8.1	18.5	18.5	87.5	87.4	6.1	4.9	4	-	4	5	-	817202	807825	-	-	-	-									
						1.0	0.1	275	29.0	8.1	8.1	18.5	18.5	87.3	87.4	6.1	5.0	5	-	5	-	-	-	-	817202	807825	-	-	-	-							
					Middle	4.5	0.0	206	27.8	7.9	7.9	27.9	27.9	50.0	50.0	3.4	8.1	5	-	5	-	-	-	-	817202	807825	-	-	-	-							
						4.5	0.0	209	27.8	7.9	7.9	27.9	27.9	49.9	50.0	3.4	8.1	5	-	5	-	-	-	-	817202	807825	-	-	-	-							
					Bottom	7.9	0.0	67	27.6	7.9	7.9	29.7	29.7	52.5	53.1	3.5	14.9	16	-	16	-	-	-	-	-	817202	807825	-	-	-	-						
						7.9	0.0	69	27.6	7.9	7.9	29.7	29.7	53.7	53.7	3.6	15.1	16	-	16	-	-	-	-	-	817202	807825	-	-	-	-						
SR5A	Cloudy	Moderate	10:14	5.3	Surface	1.0	0.1	179	29.4	8.2	8.2	16.7	16.7	107.0	106.5	7.5	6.7	8	-	8	9	-	816592	810705	-	-	-	-									
						1.0	0.1	195	29.4	8.2	8.2	16.7	16.7	106.0	106.5	7.4	6.9	9	-	9	-	-	-	-	816592	810705	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816592	810705	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816592	810705	-	-	-	-						
					Bottom	4.3	0.1	333	28.4	7.9	7.9	25.7	25.7	59.6	60.3	4.0	13.6	10	-	10	-	-	-	-	-	816592	810705	-	-	-	-						
						4.3	0.1	344	28.4	7.9	7.9	25.7	25.7	61.0	60.3	4.1	13.9	10	-	10	-	-	-														

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 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	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	17:15	8.3	Surface	1.0	0.4	83	29.5	7.9	8.0	15.1	14.9	85.0	85.0	6.0	5.8	6.4	7.9	5	8	84	85	815627	804229	<0.2	<0.2	2.2	1.8	
						1.0	0.4	87	29.5	29.5	8.0	8.0	14.7	14.9	85.0	85.0	6.0	5.8	6.4	7.9	4	8	84	85	<0.2	<0.2	2.0	1.8		
						4.2	0.3	56	29.4	29.4	8.0	8.0	17.2	17.2	80.5	80.3	5.6	5.6	6.4	7.9	6	8	79	79	<0.2	<0.2	2.2	1.8		
					4.2	0.3	57	29.4	29.4	8.0	8.0	17.2	17.2	80.0	80.3	5.6	5.6	6.7	7.9	6	8	79	79	<0.2	<0.2	1.9	1.8			
					7.3	0.3	51	27.6	27.6	7.9	7.9	28.9	28.9	57.9	57.9	3.9	3.9	10.7	9.1	15	10	91	89	<0.2	<0.2	1.2	1.8			
					7.3	0.3	54	27.6	27.6	7.9	7.9	28.9	28.9	58.2	58.1	3.9	3.9	10.7	9.1	13	10	91	89	<0.2	<0.2	1.3	1.8			
C2	Cloudy	Moderate	16:19	11.1	Surface	1.0	0.5	196	30.1	30.1	7.8	7.8	9.6	9.6	71.2	71.2	5.1	4.2	12.8	14.1	9	10	84	86	825682	806946	<0.2	<0.2	3.4	3.5
						1.0	0.6	200	30.1	30.1	7.8	7.8	9.5	9.6	71.2	71.2	5.1	4.2	12.8	14.1	9	10	84	85	<0.2	<0.2	3.5	3.5		
						5.6	0.3	268	28.5	28.5	7.9	7.9	21.5	21.5	47.7	47.7	3.3	3.3	15.0	10	11	10	85	85	<0.2	<0.2	3.2	3.5		
					5.6	0.3	292	28.5	28.5	7.9	7.9	21.5	21.5	47.7	47.7	3.3	3.3	15.1	10	10	10	85	85	<0.2	<0.2	3.2	3.5			
					10.1	0.2	6	28.2	28.2	7.9	7.9	23.7	23.8	44.8	44.8	3.1	3.1	14.4	10	10	10	89	89	<0.2	<0.2	3.7	3.6			
					10.1	0.2	6	28.1	28.2	7.9	7.9	23.8	23.8	44.8	44.8	3.1	3.1	14.4	10	10	10	89	89	<0.2	<0.2	3.6	3.6			
C3	Cloudy	Moderate	19:00	11.8	Surface	1.0	0.2	232	28.9	28.9	8.1	8.1	19.9	19.9	79.7	79.7	5.5	4.6	4.7	6.0	4	6	85	88	822094	817797	<0.2	<0.2	1.6	1.6
						1.0	0.2	247	28.9	28.9	8.1	8.1	19.9	19.9	79.6	79.6	5.5	4.6	4.8	6.0	3	6	86	88	<0.2	<0.2	1.6	1.6		
						5.9	0.2	229	27.3	27.4	8.0	8.0	27.4	27.4	52.7	52.8	3.6	3.6	5.3	6	8	8	88	89	<0.2	<0.2	1.5	1.6		
					5.9	0.2	235	27.4	27.4	8.0	8.0	27.4	27.4	52.8	52.8	3.6	3.6	5.3	6	6	6	88	89	<0.2	<0.2	1.7	1.6			
					10.8	0.1	266	26.6	26.6	8.0	8.0	29.7	29.7	48.0	48.0	3.3	3.3	7.8	6	6	6	91	91	<0.2	<0.2	1.5	1.5			
					10.8	0.2	280	26.6	26.6	8.0	8.0	29.7	29.7	48.0	48.0	3.3	3.3	7.8	6	7	6	91	91	<0.2	<0.2	1.5	1.5			
IM1	Cloudy	Moderate	16:53	6.8	Surface	1.0	0.6	349	29.5	29.5	8.0	8.0	18.3	18.3	85.1	85.2	5.9	6.0	8.5	8.9	8	10	85	86	818342	806462	<0.2	<0.2	1.9	1.6
						1.0	0.7	321	29.5	29.5	8.0	8.0	18.3	18.3	85.2	85.2	5.9	6.0	8.6	8.9	7	10	86	87	<0.2	<0.2	1.7	1.6		
						3.4	0.6	335	29.6	29.6	8.1	8.1	19.0	19.0	88.5	88.5	6.1	6.1	8.5	8.9	9	10	87	87	<0.2	<0.2	1.6	1.6		
					3.4	0.6	338	29.6	29.6	8.1	8.1	19.0	19.0	88.5	88.5	6.1	6.1	8.6	8.9	11	10	87	89	<0.2	<0.2	1.6	1.6			
					5.8	0.3	336	28.0	28.0	7.9	7.9	26.6	27.1	60.6	61.5	4.1	4.2	9.3	11	11	10	89	89	<0.2	<0.2	1.5	1.4			
					5.8	0.3	343	28.0	28.0	7.9	7.9	27.5	27.1	62.3	61.5	4.2	4.2	9.6	12	12	10	89	89	<0.2	<0.2	1.4	1.4			
IM2	Cloudy	Moderate	16:45	8.0	Surface	1.0	0.5	338	29.7	29.7	8.2	8.2	18.5	18.6	99.7	99.6	6.8	6.2	8.0	9.2	6	8	85	86	818867	806201	<0.2	<0.2	1.4	1.4
						1.0	0.5	356	29.7	29.7	8.2	8.2	18.6	18.6	99.4	99.6	6.8	6.2	8.0	9.2	7	8	86	91	<0.2	<0.2	1.5	1.4		
						4.0	0.4	340	29.3	29.3	8.0	8.0	19.3	19.3	79.7	79.6	5.5	5.5	9.0	8	8	8	91	91	<0.2	<0.2	1.6	1.4		
					4.0	0.4	345	29.3	29.3	8.0	8.0	19.3	19.3	79.4	79.6	5.5	5.5	9.0	7	7	7	91	91	<0.2	<0.2	1.4	1.4			
					7.0	0.3	336	28.6	28.6	8.0	8.0	24.0	24.0	74.8	76.1	5.1	5.2	10.5	10	10	10	92	92	<0.2	<0.2	1.2	1.2			
					7.0	0.3	343	28.6	28.6	8.0	8.0	24.0	24.0	77.3	77.3	5.2	5.2	10.4	9	9	9	92	92	<0.2	<0.2	1.2	1.2			
IM3	Cloudy	Moderate	16:37	8.1	Surface	1.0	0.3	279	29.6	29.6	7.9	8.0	15.8	15.8	82.2	82.2	5.7	5.5	9.0	9.4	7	8	81	82	819395	806025	<0.2	<0.2	2.4	1.8
						1.0	0.3	299	29.6	29.6	8.0	8.0	15.8	15.8	82.2	82.2	5.7	5.5	9.1	9.4	7	8	82	84	<0.2	<0.2	2.2	1.8		
						4.1	0.6	330	29.3	29.3	8.0	8.0	20.2	20.2	75.5	75.5	5.2	5.2	8.7	8	8	8	84	84	<0.2	<0.2	1.8	1.8		
					4.1	0.6	334	29.3	29.3	8.0	8.0	20.2	20.2	75.5	75.5	5.2	5.2	8.8	9	9	9	84	84	<0.2	<0.2	1.9	1.8			
					7.1	0.2	7	27.7	27.8	7.9	7.9	28.2	28.1	55.4	56.3	3.7	3.8	10.5	10	10	10	92	92	<0.2	<0.2	1.4	1.4			
					7.1	0.2	7	27.8	27.8	7.9	7.9	27.9	28.1	57.2	56.3	3.9	3.8	10.2	8	8	8	92	92	<0.2	<0.2	1.3	1.3			
IM4	Cloudy	Moderate	16:28	7.3	Surface	1.0	0.6	260	29.6	29.6	8.0	8.0	14.8	14.8	84.7	84.5	5.9	5.0	7.4	8.9	7	10	88	88	819564	805045	<0.2	<0.2	2.2	1.9
						1.0	0.6	274	29.6	29.6	8.0	8.0	14.8	14.8	84.3	84.5	5.9	5.0	7.3	8.9	8	10	88	87	<0.2	<0.2	2.1	1.9		
						3.7	0.4	285	28.6	28.6	8.0	8.0	22.3	22.3	59.9	59.8	4.1	4.1	9.1	10	9	10	87	87	<0.2	<0.2	2.4	2.3		
					3.7	0.4	285	28.6	28.6	8.0	8.0	22.3	22.3	59.7	59.8	4.1	4.1	9.2	10	10	10	87	87	<0.2	<0.2	2.2	2.3			
					6.3	0.3	343	27.7	27.7	7.9	7.9	27.9	28.0	53.1	53.8	3.6	3.7	10.2	13	13	13	94	94	<0.2	<0.2	1.3	1.3			
					6.3	0.3	353	27.6	27.7	7.9	7.9	28.1	28.0	54.5	53.8	3.7	3.7	10.4	14	14	14	94	94	<0.2	<0.2	1.3	1.3			
IM5	Cloudy	Moderate	16:14	6.2	Surface	1.0	0.3	307	29.7	29.7	8.0	8.0	13.2	13.3	82.2	82.1	5.8	5.5	7.9	9.0	7	13	86	86	820563	804932	<0.2	<0.2	2.4	1.9
						1.0	0.3	307	29.7	29.7	8.0	8.0	13.3	13.3	81.9	82.1	5.8	5.5	7.9	9.0	9	13	86	86	<0.2	<0.2	2.0	1.9		
						3.1	0.3	347	29.1	29.2	8.0	8.0	18.4	18.1	73.5	73.4	5.1	5.1	8.8	11	10	10	86	86	<0.2	<0.2	2.4	1.9		
					3.1	0.3	319	29.2	29.2	8.0	8.0	17.7	18.1	73.2	73.4	5.1	5.1	8.5	11	11	11	86	86	<0.2	<0.2	2.1	1.9			
					5.2	0.3	353	28.3	28.3	7.9	7.9	24.0	24.0	57.9	58.0	4.0	4.0	10.4	21	21	21	91	91	<0.2	<0.2	1.1	1.1			
					5.2	0.3	325	28.3	28.3	7.9	7.9	24.0	24.0	58.0	58.0	4.0	4.0	10.3	20	20	20	91	91	<0.2	<0.2	1.2	1.1			
IM6	Cloudy	Moderate	16:00	6.0	Surface	1.0	0.6	302	29.2	29.2	7.8	7.8	15.5	15.5	71.7	71.6	5.0	4.8	8.3	9.1	8	10	89	90	821066	805813	<0.2	<0.2	2.1	2.0
						1.0	0.6	320	29.2	29.2	7.8	7.8	15.5	1																

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

Water Quality Monitoring

Water Quality Monitoring Results on **05 August 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	12:12	8.6	Surface	1.0	0.8	200	30.0	30.0	7.9	7.9	14.9	14.9	82.7	82.6	5.8	5.2	4.4	5.5	3	4	84	87	815637	804266	<0.2	<0.2	2.6	2.2		
						1.0	0.8	208	30.0	30.0	7.9	7.9	14.8	14.9	82.4	82.6	5.7	5.2	4.4	5.5	3	4	85	87	<0.2	<0.2	2.6	2.2				
					Middle	4.3	0.6	227	28.7	28.7	7.9	7.9	20.5	20.5	67.7	67.5	4.7	4.7	5.2	5.5	4	4	86	87	<0.2	<0.2	2.2	2.2	<0.2	<0.2	1.9	2.2
						4.3	0.6	236	28.7	28.0	7.9	7.9	20.4	20.5	67.3	67.5	4.7	4.7	5.3	5.5	4	4	87	87	<0.2	<0.2	2.2	2.2	<0.2	<0.2	1.9	2.2
					Bottom	7.6	0.5	242	28.0	28.0	7.9	7.9	24.6	24.7	54.5	54.4	3.7	3.7	6.9	6.9	4	4	89	89	<0.2	<0.2	2.0	2.0	<0.2	<0.2	2.0	2.0
						7.6	0.6	250	27.9	27.9	7.8	7.9	24.7	24.7	54.2	54.4	3.7	3.7	6.9	6.9	5	4	90	89	<0.2	<0.2	2.0	2.0	<0.2	<0.2	2.0	2.0
C2	Sunny	Moderate	13:10	11.0	Surface	1.0	1.1	166	29.9	29.9	7.8	7.8	13.5	13.5	58.6	58.6	4.1	3.6	10.6	14.0	4	4	83	87	825688	806964	<0.2	<0.2	3.0	2.9		
						1.0	1.1	171	29.9	28.0	7.8	7.9	13.5	13.5	58.6	58.6	4.1	3.6	10.6	14.0	4	4	84	87	<0.2	<0.2	3.0	2.9				
					Middle	5.5	0.8	176	28.0	28.0	7.9	7.9	23.8	23.8	44.7	44.7	3.1	3.1	13.6	14.0	6	6	87	87	<0.2	<0.2	2.8	2.9	<0.2	<0.2	2.8	2.9
						5.5	0.8	179	28.0	28.0	7.9	7.9	23.8	23.8	44.7	44.7	3.1	3.1	13.6	14.0	6	6	87	87	<0.2	<0.2	2.8	2.9	<0.2	<0.2	2.8	2.9
					Bottom	10.0	0.3	160	27.3	27.3	7.9	7.9	27.1	27.1	43.8	43.8	3.0	3.0	17.8	17.8	7	6	90	89	<0.2	<0.2	3.1	2.9	<0.2	<0.2	3.1	2.9
						10.0	0.3	162	27.3	27.3	7.9	7.9	27.1	27.1	43.8	43.8	3.0	3.0	17.8	17.8	6	6	89	89	<0.2	<0.2	2.9	2.9	<0.2	<0.2	2.9	2.9
C3	Sunny	Moderate	10:00	13.8	Surface	1.0	0.6	79	29.1	29.1	8.0	8.0	20.8	20.8	73.4	73.4	5.0	4.7	4.6	4.6	<2	3	84	86	822099	817791	<0.2	<0.2	2.5	2.2		
						1.0	0.6	85	29.1	29.1	8.0	8.0	20.8	20.8	73.3	73.4	5.0	4.7	4.6	4.6	<2	3	85	86	<0.2	<0.2	2.5	2.2				
					Middle	6.9	0.5	86	27.7	27.7	8.0	8.0	24.8	24.8	63.3	63.3	4.4	4.4	4.2	4.6	3	3	88	88	<0.2	<0.2	1.9	2.2	<0.2	<0.2	1.9	2.2
						6.9	0.6	90	27.7	27.7	8.0	8.0	24.8	24.8	63.3	63.3	4.3	4.3	4.3	4.6	4	3	88	88	<0.2	<0.2	1.8	2.2	<0.2	<0.2	1.8	2.2
					Bottom	12.8	0.1	99	26.4	26.4	7.9	7.9	29.5	29.5	51.7	51.7	3.5	3.5	5.0	3.5	3	3	90	89	<0.2	<0.2	2.0	2.2	<0.2	<0.2	2.0	2.2
						12.8	0.1	105	26.4	26.4	7.9	7.9	29.5	29.5	51.7	51.7	3.5	3.5	4.9	3.5	4	3	83	89	<0.2	<0.2	2.2	2.2	<0.2	<0.2	2.2	2.2
IM1	Sunny	Moderate	12:37	7.1	Surface	1.0	0.7	195	28.8	28.8	7.9	7.9	19.3	19.3	67.7	67.8	4.7	4.2	7.7	8.5	11	12	91	92	818333	806449	<0.2	<0.2	1.5	1.3		
						1.0	0.7	214	28.8	28.8	7.9	7.9	19.3	19.3	67.8	67.8	4.7	4.2	7.9	8.5	10	12	91	92	<0.2	<0.2	1.7	1.3				
					Middle	3.6	0.3	191	27.6	27.6	7.9	7.9	27.2	27.3	54.0	55.2	3.7	3.7	8.2	8.5	11	12	92	92	<0.2	<0.2	1.1	1.3	<0.2	<0.2	1.1	1.3
						3.6	0.3	193	27.6	27.6	7.9	7.9	27.3	27.3	56.4	55.2	3.8	3.8	8.2	8.5	10	12	92	92	<0.2	<0.2	1.2	1.3	<0.2	<0.2	1.2	1.3
					Bottom	6.1	0.1	181	27.3	27.3	7.8	7.8	28.5	28.6	53.3	54.4	3.6	3.6	9.4	3.7	13	9	93	91	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0
						6.1	0.1	187	27.3	27.3	7.8	7.8	28.6	28.6	55.4	54.4	3.7	3.7	9.5	3.7	15	9	91	91	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0
IM2	Sunny	Moderate	12:47	8.0	Surface	1.0	0.9	220	29.2	29.2	7.9	7.9	17.4	17.4	76.4	76.3	5.3	4.5	5.3	9.3	5	9	95	93	818853	806181	<0.2	<0.2	2.5	2.1		
						1.0	1.0	241	29.2	29.2	7.9	7.9	17.4	17.4	76.1	76.3	5.3	4.5	5.4	9.3	3	9	95	93	<0.2	<0.2	2.6	2.1				
					Middle	4.0	0.6	217	28.1	28.1	7.8	7.8	24.1	24.1	51.9	52.1	3.6	3.6	11.8	3.6	7	9	88	88	<0.2	<0.2	2.3	2.1	<0.2	<0.2	2.3	2.1
						4.0	0.6	228	28.1	28.1	7.8	7.8	24.1	24.1	52.2	52.1	3.6	3.6	11.6	3.6	5	9	88	88	<0.2	<0.2	2.6	2.1	<0.2	<0.2	2.6	2.1
					Bottom	7.0	0.3	217	27.9	27.9	7.9	7.9	25.3	25.3	53.1	53.2	3.6	3.6	10.8	3.6	16	9	95	96	<0.2	<0.2	1.2	1.3	<0.2	<0.2	1.2	1.3
						7.0	0.3	225	27.9	27.9	7.9	7.9	25.2	25.3	53.2	53.2	3.6	3.6	10.8	3.6	17	9	96	96	<0.2	<0.2	1.2	1.3	<0.2	<0.2	1.2	1.3
IM3	Sunny	Moderate	12:55	7.8	Surface	1.0	0.6	222	29.7	29.7	7.9	7.9	16.2	16.2	77.1	77.0	5.4	5.2	4.8	6.2	2	7	87	93	819429	806029	<0.2	<0.2	2.5	2.2		
						1.0	0.6	236	29.6	29.6	7.9	7.9	16.2	16.2	76.8	77.0	5.3	5.2	4.9	6.2	4	7	88	96	<0.2	<0.2	2.6	2.2				
					Middle	3.9	0.6	229	29.3	29.3	7.9	7.9	17.7	17.8	72.6	72.5	5.0	5.0	5.3	6.2	7	7	96	96	<0.2	<0.2	2.1	2.2	<0.2	<0.2	2.1	2.2
						3.9	0.6	240	29.3	29.3	7.9	7.9	17.8	17.8	72.3	72.5	5.0	5.0	5.3	6.2	8	7	96	96	<0.2	<0.2	2.1	2.2	<0.2	<0.2	2.1	2.2
					Bottom	6.8	0.4	201	28.0	28.0	7.9	7.9	24.4	24.4	57.1	57.6	4.0	4.0	8.6	4.0	9	9	94	94	<0.2	<0.2	1.8	2.2	<0.2	<0.2	1.8	2.2
						6.8	0.4	215	28.0	28.0	7.9	7.9	24.4	24.4	58.1	57.6	4.0	4.0	8.5	4.0	9	9	94	94	<0.2	<0.2	1.8	2.2	<0.2	<0.2	1.8	2.2
IM4	Sunny	Moderate	13:02	7.4	Surface	1.0	0.7	196	30.2	30.2	7.9	7.9	14.8	14.8	80.0	79.9	5.6	4.8	4.5	9.6	4	8	87	91	819553	805029	<0.2	<0.2	2.4	1.9		
						1.0	0.7	198	30.2	30.2	7.9	7.9	14.8	14.8	79.7	79.9	5.5	4.8	4.5	9.6	3	8	87	91	<0.2	<0.2	2.3	1.9				
					Middle	3.7	0.3	223	28.2	28.2	7.9	7.9	23.4	23.4	57.9	57.9	4.0	4.0	12.1	4.0	4	8	91	91	<0.2	<0.2	2.1	1.9	<0.2	<0.2	2.1	1.9
						3.7	0.4	234	28.2	28.2	7.9	7.9	23.4	23.4	57.9	57.9	4.0	4.0	12.0	4.0	6	8	91	91	<0.2	<0.2	2.1	1.9	<0.2	<0.2	2.1	1.9
					Bottom	6.4	0.3	211	27.9	27.9	7.9	7.9	25.4	25.4	57.3	58.0	3.9	4.0	12.2	3.9	14	8	94	94	<0.2	<0.2	1.4	1.9	<0.2	<0.2	1.4	1.9
						6.4	0.3	231	27.9	27.9	7.9	7.9	25.3	25.3	58.6	58.0	4.0	4.0	12.3	4.0	15	8	94	94	<0.2	<0.2	1.3	1.9	<0.2	<0.2	1.3	1.9
IM5	Sunny	Moderate	13:17	6.2	Surface	1.0	0.9	201	29.9	29.9	7.8	7.8	14.3	14.3	74.3	74.1	5.2	4.8	5.2	7.6	4	3	87	90	820570	804929	<0.2	<0.2	3.3	2.9		
						1.0	0.9	203	29.8	29.8	7.8	7.8	14.3	14.3	73.9	74.1	5.2	4.8	5.2	7.6	3	3	87	91	<0.2	<0.2	3.3	2.9				
					Middle	3.1	0.7	225	28.8	28.8	7.8	7.8	20.4																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 August 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	Value	DA
C1	Fine	Moderate	18:13	8.2	Surface	1.0	0.2	65	30.0	7.9	7.9	16.7	16.7	75.3	75.4	5.2	5.0	8.8	11.6	11	15	86	89	815615	804243	<0.2	<0.2	2.7	2.3							
						1.0	0.2	65	30.0	7.9	7.9	16.7	16.7	75.4	75.4	5.2	5.0	8.9	11.6	12	15	86	89			<0.2	<0.2	2.6	2.3							
						4.1	0.4	52	29.0	7.9	7.9	19.5	19.5	69.0	69.2	4.7	4.1	11.6	11.6	16	15	89	90			<0.2	<0.2	2.3	2.3							
					4.1	0.4	54	29.0	7.9	7.9	19.4	19.5	69.4	69.2	4.8	4.1	11.7	11.6	16	15	90	91			<0.2	<0.2	2.6	2.3								
					7.2	0.4	40	27.9	7.9	7.9	25.3	25.3	58.9	58.9	4.0	4.1	14.2	14.2	17	15	91	92			<0.2	<0.2	1.8	2.3								
					7.2	0.4	41	28.0	7.9	7.9	24.9	25.1	61.2	60.1	4.2	4.1	14.2	14.2	18	15	92	91			<0.2	<0.2	2.0	2.3								
C2	Fine	Moderate	17:31	10.9	Surface	1.0	0.6	199	29.5	7.7	7.7	14.1	14.1	69.1	69.1	4.8	4.7	9.7	11.6	27	28	84	88	825668	806956	<0.2	<0.2	1.7	1.8							
						1.0	0.6	212	29.5	7.7	7.7	14.1	14.1	69.0	69.1	4.8	4.7	9.7	11.6	27	28	84	88			<0.2	<0.2	1.5	1.8							
						5.5	0.1	179	28.4	7.8	7.8	22.2	22.2	65.2	65.2	4.5	3.7	8.6	8.6	25	28	88	91			<0.2	<0.2	1.5	1.8							
					5.5	0.1	195	28.4	7.8	7.8	22.2	22.2	65.1	65.2	4.5	3.7	8.6	8.6	25	28	88	91			<0.2	<0.2	1.7	1.8								
					9.9	0.2	336	27.9	7.8	7.8	24.1	24.1	52.0	52.0	3.7	3.7	16.5	16.5	31	31	91	91			<0.2	<0.2	2.2	2.0								
					9.9	0.2	356	27.9	7.8	7.8	24.1	24.1	52.0	52.0	3.7	3.7	16.5	16.5	31	31	91	91			<0.2	<0.2	2.0	2.0								
C3	Fine	Moderate	20:02	12.1	Surface	1.0	0.4	242	28.5	8.1	8.1	22.9	22.9	64.8	64.8	4.4	4.1	5.1	6.5	10	10	87	86	822097	817785	<0.2	<0.2	3.0	2.8							
						1.0	0.4	243	28.5	8.1	8.1	22.9	22.9	64.8	64.8	4.4	4.1	5.1	6.5	10	10	86	88			<0.2	<0.2	2.9	2.8							
						6.1	0.5	241	27.2	8.1	8.1	27.9	27.9	55.3	55.3	3.8	3.6	6.3	6.3	10	10	88	89			<0.2	<0.2	3.0	2.8							
					6.1	0.5	261	27.2	8.1	8.1	27.9	27.9	55.3	55.3	3.8	3.6	6.3	6.3	11	10	89	91			<0.2	<0.2	2.7	2.8								
					11.1	0.5	239	26.7	8.0	8.0	29.0	29.0	52.3	52.3	3.6	3.6	8.2	8.2	10	10	91	91			<0.2	<0.2	2.8	2.6								
					11.1	0.6	250	26.7	8.0	8.0	29.0	29.0	52.3	52.3	3.6	3.6	8.2	8.2	10	10	91	91			<0.2	<0.2	2.6	2.6								
IM1	Fine	Moderate	17:54	6.9	Surface	1.0	0.2	359	29.8	7.9	7.9	17.7	17.3	76.8	76.8	5.3	5.3	7.3	12.5	10	9	87	88	818367	806449	<0.2	<0.2	2.2	1.9							
						1.0	0.2	330	29.8	7.9	7.9	16.9	17.3	76.8	76.8	5.3	5.3	7.3	12.5	8	9	87	89			<0.2	<0.2	2.2	1.9							
						3.5	0.4	359	29.7	8.0	8.0	20.2	20.2	76.2	76.0	5.2	5.2	11.7	11.7	9	9	89	89			<0.2	<0.2	1.8	1.9							
					3.5	0.4	330	29.7	8.0	8.0	20.2	20.2	75.8	76.0	5.2	5.2	11.7	11.7	9	9	89	89			<0.2	<0.2	1.9	1.9								
					5.9	0.4	352	29.1	7.9	7.9	22.2	22.5	75.6	76.5	5.1	5.2	18.6	18.6	9	9	87	87			<0.2	<0.2	1.4	1.6								
					5.9	0.4	357	29.2	7.9	7.9	22.7	22.5	77.3	76.5	5.2	5.2	18.6	18.6	8	9	87	87			<0.2	<0.2	1.6	1.6								
IM2	Fine	Moderate	17:49	7.6	Surface	1.0	0.2	255	29.9	7.9	7.9	15.1	15.1	74.0	74.0	5.2	5.1	9.7	11.6	11	11	88	88	818867	806186	<0.2	<0.2	2.3	1.9							
						1.0	0.3	266	29.8	7.9	7.9	15.1	15.1	73.9	74.0	5.2	5.1	9.8	11.6	9	11	88	90			<0.2	<0.2	2.4	1.9							
						3.8	0.2	309	29.6	7.9	7.9	20.3	20.3	71.8	71.4	4.9	4.9	11.1	11.0	12	11	95	95			<0.2	<0.2	1.8	1.9							
					3.8	0.3	313	29.5	7.9	7.9	20.3	20.3	71.0	71.4	4.9	4.9	11.0	11.0	10	11	95	95			<0.2	<0.2	1.7	1.9								
					6.6	0.3	351	28.4	7.9	7.9	24.5	24.5	78.3	78.7	5.3	5.4	13.8	13.9	10	11	86	86			<0.2	<0.2	1.5	1.4								
					6.6	0.3	352	28.5	7.9	7.9	24.5	24.5	79.0	79.0	5.4	5.4	13.9	13.9	11	11	86	86			<0.2	<0.2	1.4	1.4								
IM3	Fine	Moderate	17:41	7.8	Surface	1.0	0.3	266	29.6	7.8	7.8	14.9	14.9	67.7	67.7	4.8	4.6	9.9	11.3	11	15	87	87	819419	806035	<0.2	<0.2	2.4	2.2							
						1.0	0.3	291	29.6	7.8	7.8	14.9	14.9	67.6	67.7	4.7	4.6	9.8	11.3	12	15	87	87			<0.2	<0.2	2.3	2.2							
						3.9	0.2	334	29.5	7.8	7.8	16.3	16.3	65.1	64.9	4.5	4.5	11.7	11.3	17	15	95	96			<0.2	<0.2	2.4	2.2							
					3.9	0.2	352	29.5	7.8	7.8	16.3	16.3	64.7	64.9	4.5	4.5	11.5	11.3	17	15	96	96			<0.2	<0.2	2.4	2.2								
					6.8	0.3	9	28.6	7.9	7.9	22.8	22.9	66.5	67.7	4.5	4.6	12.6	12.4	16	15	94	94			<0.2	<0.2	1.8	1.8								
					6.8	0.3	9	28.7	7.8	7.8	22.9	22.9	68.8	67.7	4.7	4.6	12.4	12.4	17	15	94	94			<0.2	<0.2	1.8	1.8								
IM4	Fine	Moderate	17:31	7.0	Surface	1.0	0.4	284	29.3	7.7	7.7	16.0	16.0	61.8	61.8	4.3	4.8	10.4	13.1	15	19	87	87	819572	805022	<0.2	<0.2	2.4	2.3							
						1.0	0.4	291	29.3	7.7	7.7	16.0	16.0	61.7	61.8	4.3	4.8	10.5	13.1	14	19	87	91			<0.2	<0.2	2.5	2.3							
						3.5	0.1	358	28.8	7.9	7.9	19.7	19.8	75.8	75.8	5.3	5.3	12.2	12.2	20	19	91	91			<0.2	<0.2	2.2	2.3							
					3.5	0.1	329	28.8	7.9	7.9	19.8	19.8	75.4	75.8	5.3	5.3	12.2	12.2	20	19	91	91			<0.2	<0.2	2.4	2.3								
					6.0	0.2	16	28.3	7.9	7.9	23.9	23.9	76.4	76.4	5.3	5.3	16.7	16.7	23	19	93	93			<0.2	<0.2	2.2	2.3								
					6.0	0.2	17	28.6	7.9	7.9	23.8	23.9	77.8	77.1	5.4	5.4	16.8	16.8	24	19	94	94			<0.2	<0.2	2.2	2.2								
IM5	Fine	Moderate	17:20	6.1	Surface	1.0	0.5	276	29.3	7.7	7.7	16.3	16.3	62.6	62.6	4.4	4.6	9.8	11.4	13	16	87	87	820564	804925	<0.2	<0.2	2.4	2.4							
						1.0	0.5	295	29.3	7.7	7.7	16.2	16.3	62.6	62.6	4.4	4.6	9.9	11.4	12	16	87	91			<0.2	<0.2	2.6	2.4							
						3.1	0.4	263	29.2	7.7	7.7	19.5	19.5	68.8	68.9	4.7	4.7	8.8	11.4	12	16	91	91			<0.2	<0.2	2.7	2.4							
					3.1	0.4	274	29.2	7.7	7.7	19.4	19.5	68.9	68.9	4.7	4.7	8.9	11.4	13	16	91	91			<0.2	<0.2	2.6	2.4								
					5.1	0.3	263	28.8	7.7	7.7	19.5	19.5	73.3	73.2	5.1	5.1	15.5	15.5	22	16	93	93			<0.2	<0.2	2.0	2.0								
					5.1	0.3	287	28.7	7.7	7.7	19.5	19.5	73.1	73.2	5.1	5.1	15.4	15.4	24	16	93	93			<0.2	<0.2	2.0	2.0								
IM6	Fine	Moderate	17:12	6.0	Surface	1.0	0.5	281	28.9	7.9	7.9	24.8	24.9	61.9	61.5	4.2	4.5	8.4	10.8	13	16	91	92	821071	805808	<0.2	<0.2									

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

Water Quality Monitoring

Water Quality Monitoring Results on **05 August 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	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	18:29	6.6	Surface	1.0	0.2	304	30.4	8.0	8.0	13.5	13.5	73.8	73.8	5.2	4.8	10.4	14.4	8	9	87	89	822084	808798	<0.2	2.8	2.6	2.6			
						1.0	0.2	325	30.4	8.0	8.0	13.5	13.5	73.8	73.8	5.2	4.8	10.4	14.4	8	9	87	89	822084	808798	<0.2	2.5	2.6	2.6			
					Middle	3.3	0.1	336	29.6	29.6	7.9	7.9	16.7	16.7	63.3	63.3	4.4	3.9	14.1	14.0	7	9	86	89	822084	808798	<0.2	2.5	2.6	2.6		
						3.3	0.1	351	29.6	29.6	7.9	7.9	16.7	16.7	63.2	63.3	4.4	3.9	14.0	14.0	7	9	86	89	822084	808798	<0.2	2.5	2.6	2.6		
					Bottom	5.6	0.1	260	28.7	28.7	7.9	7.9	19.7	19.7	56.4	56.4	3.9	3.9	18.8	18.8	9	9	87	91	822084	808798	<0.2	2.4	2.4	2.4	2.4	
						5.6	0.1	264	28.7	28.7	7.9	7.9	19.7	19.7	56.6	56.5	3.9	3.9	18.7	17.2	12	10	87	91	822084	808798	<0.2	2.7	2.7	2.7	2.7	
IM10	Fine	Moderate	18:37	6.8	Surface	1.0	0.3	351	30.5	30.5	8.0	8.0	13.8	13.8	80.2	80.2	5.6	5.2	8.6	12.5	8	8	84	87	822259	809828	<0.2	2.6	2.5	2.5		
						1.0	0.3	323	30.5	30.5	8.0	8.0	13.8	13.8	80.2	80.2	5.6	5.2	8.6	12.5	8	8	84	87	822259	809828	<0.2	2.5	2.5	2.5		
					Middle	3.4	0.4	327	30.0	30.0	8.0	8.0	16.3	16.3	67.6	67.5	4.7	4.7	11.6	11.7	9	8	85	87	822259	809828	<0.2	2.5	2.5	2.5		
						3.4	0.4	343	30.0	30.0	8.0	8.0	16.3	16.3	67.4	67.5	4.7	4.7	11.7	11.7	9	8	85	87	822259	809828	<0.2	2.6	2.6	2.6		
					Bottom	5.8	0.4	312	28.7	28.7	8.0	8.0	20.4	20.4	55.3	55.3	3.8	3.8	17.0	17.0	9	8	87	91	822259	809828	<0.2	2.4	2.4	2.4	2.4	
						5.8	0.4	313	28.6	28.7	8.0	8.0	20.4	20.4	55.3	55.3	3.8	3.8	17.2	17.2	10	8	87	91	822259	809828	<0.2	2.5	2.5	2.5	2.5	
IM11	Fine	Moderate	18:47	7.8	Surface	1.0	0.3	324	29.9	29.9	8.0	8.0	16.5	16.5	72.9	72.9	5.1	4.8	9.8	15.8	11	11	87	89	821486	810535	<0.2	2.2	2.2	2.2		
						1.0	0.3	341	29.9	29.9	8.0	8.0	16.5	16.5	72.9	72.9	5.0	4.8	9.7	15.8	10	11	87	89	821486	810535	<0.2	2.3	2.3	2.3		
					Middle	3.9	0.4	309	29.3	29.3	8.0	8.0	18.8	18.8	65.4	65.4	4.5	4.5	11.2	11.2	9	11	89	91	821486	810535	<0.2	2.1	2.1	2.1		
						3.9	0.4	323	29.3	29.3	8.0	8.0	18.8	18.8	65.4	65.4	4.5	4.5	11.2	11.2	9	11	89	91	821486	810535	<0.2	2.2	2.2	2.2		
					Bottom	6.8	0.3	307	28.3	28.3	8.0	8.0	22.9	22.9	56.1	56.1	3.8	3.8	26.4	26.4	12	11	91	91	821486	810535	<0.2	2.2	2.2	2.2		
						6.8	0.3	330	28.3	28.3	8.0	8.0	22.9	22.9	56.1	56.1	3.8	3.8	26.4	26.4	13	11	91	91	821486	810535	<0.2	2.3	2.3	2.3		
IM12	Fine	Moderate	18:56	8.0	Surface	1.0	0.5	267	30.5	30.5	8.0	8.0	15.1	15.1	75.4	75.4	5.2	4.8	8.3	14.0	9	9	86	87	821161	811523	<0.2	2.4	2.4	2.4		
						1.0	0.5	280	30.5	30.5	8.0	8.0	15.1	15.1	75.4	75.4	5.2	4.8	8.3	14.0	8	9	86	87	821161	811523	<0.2	2.4	2.4	2.4		
					Middle	4.0	0.5	284	28.8	28.8	8.1	8.1	21.8	21.8	62.5	62.5	4.3	3.5	10.2	10.2	8	9	87	89	821161	811523	<0.2	2.3	2.3	2.3		
						4.0	0.5	305	28.8	28.8	8.1	8.1	21.8	21.8	62.5	62.5	4.3	3.5	10.2	10.2	8	9	87	89	821161	811523	<0.2	2.5	2.5	2.5		
					Bottom	7.0	0.3	294	27.8	27.8	8.0	8.0	25.3	25.3	51.1	51.2	3.5	3.5	23.4	23.4	10	9	89	89	821161	811523	<0.2	2.4	2.4	2.4		
						7.0	0.3	301	27.8	27.8	8.0	8.0	25.3	25.3	51.3	51.2	3.5	3.5	23.4	23.4	10	9	89	89	821161	811523	<0.2	2.4	2.4	2.4		
SR2	Fine	Moderate	19:39	3.1	Surface	1.0	0.1	213	28.8	28.9	8.1	8.1	21.6	21.6	63.5	63.5	4.6	4.6	13.6	15.2	8	9	86	87	821460	814181	<0.2	1.6	1.5	1.7		
						1.0	0.1	224	28.9	28.9	8.1	8.1	21.6	21.6	63.5	63.5	4.6	4.6	13.5	15.2	9	9	87	87	821460	814181	<0.2	1.5	1.5	1.5		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	88	-	-	821460	814181	<0.2	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	88	-	-	821460	814181	<0.2	-	-
					Bottom	2.1	0.0	152	27.9	27.9	8.1	8.1	24.7	24.7	54.1	54.3	3.7	3.7	16.8	17.0	8	9	89	90	821460	814181	<0.2	1.8	1.9	1.9		
						2.1	0.0	162	27.9	27.9	8.1	8.1	24.7	24.7	54.5	54.3	3.7	3.7	17.0	17.0	9	9	89	90	821460	814181	<0.2	1.9	1.9	1.9		
SR3	Fine	Moderate	18:11	8.1	Surface	1.0	0.4	210	30.2	30.2	7.9	7.9	13.4	13.4	69.1	69.1	4.8	4.6	11.0	13.0	9	8	-	-	822161	807575	-	-	-	-		
						1.0	0.4	224	30.2	30.2	7.9	7.9	13.4	13.4	69.1	69.1	4.8	4.6	11.0	13.0	8	8	-	-	822161	807575	-	-	-	-		
					Middle	4.1	0.2	211	28.7	28.7	7.8	7.8	18.5	18.6	62.4	62.4	4.3	4.3	13.8	13.8	7	8	-	-	-	-	822161	807575	-	-	-	-
						4.1	0.2	227	28.7	28.7	7.8	7.8	18.6	18.6	62.4	62.4	4.3	4.3	13.8	13.8	8	8	-	-	-	-	822161	807575	-	-	-	-
					Bottom	7.1	0.2	224	28.6	28.6	7.9	7.9	20.4	20.5	55.3	55.3	3.8	3.8	14.2	14.2	9	8	-	-	-	-	822161	807575	-	-	-	-
						7.1	0.3	241	28.6	28.6	7.9	7.9	20.5	20.5	55.3	55.3	3.8	3.8	14.2	14.2	9	8	-	-	-	-	822161	807575	-	-	-	-
SR4A	Fine	Moderate	18:32	8.7	Surface	1.0	0.2	275	29.6	29.6	8.0	8.0	21.5	21.5	79.6	79.6	5.4	5.2	12.2	14.1	14	16	-	-	817179	807793	-	-	-	-		
						1.0	0.2	279	29.6	29.6	8.0	8.0	21.5	21.5	79.2	79.2	5.4	5.2	12.4	14.1	12	16	-	-	817179	807793	-	-	-	-		
					Middle	4.4	0.2	265	29.2	29.2	8.0	8.0	22.2	22.2	72.1	72.1	4.9	4.9	13.3	13.3	17	16	-	-	-	-	817179	807793	-	-	-	-
						4.4	0.2	291	29.2	29.2	8.0	8.0	22.2	22.2	72.1	72.1	4.9	4.9	13.3	13.3	17	16	-	-	-	-	817179	807793	-	-	-	-
					Bottom	7.7	0.0	285	28.5	28.5	7.9	7.9	24.6	24.6	76.1	76.6	5.2	5.2	16.6	16.6	17	16	-	-	-	-	817179	807793	-	-	-	-
						7.7	0.0	301	28.5	28.5	7.9	7.9	24.6	24.6	77.0	77.0	5.2	5.2	16.5	16.5	18	16	-	-	-	-	817179	807793	-	-	-	-
SR5A	Fine	Moderate	18:50	4.5	Surface	1.0	0.3	291	29.7	29.7	8.1	8.1	21.1	21.1	91.5	91.5	6.2	6.2	11.9	12.2	10	11	-	-	816597	810681	-	-	-	-		
						1.0	0.3	293	29.6	29.6	8.1	8.1	21.1	21.1	91.3	91.3	6.2	6.2	11.8	12.2	12	11	-	-	816597	810681	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	816597	810681	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	-	-	-	816597	810681	-	-	-
					Bottom	3.5	0.2	316	29.4	29.4	8.0	8.0	21.5	21.6																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 August 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
C1	Sunny	Rough	12:50	7.5	Surface	1.0	0.9	211	29.5	29.5	7.7	7.7	19.5	19.5	73.6	73.4	5.0	4.8	16.7	20.4	15	17	78	83	815610	804256	<0.2	<0.2	1.7	1.6		
						1.0	0.9	214	29.5	29.5	7.7	7.7	19.5	19.5	73.1	73.4	5.0	4.8	16.8	20.4	16	17	78	83	815610	804256	<0.2	<0.2	1.6	1.6		
					Middle	3.8	0.7	210	28.5	28.5	7.7	7.7	22.4	22.4	65.6	65.7	4.5	4.8	23.3	20.4	16	17	84	17	84	83	815610	804256	<0.2	<0.2	1.6	1.6
						3.8	0.7	227	28.5	28.5	7.7	7.7	22.4	22.4	65.7	65.7	4.5	4.8	23.3	20.4	17	17	84	17	84	83	815610	804256	<0.2	<0.2	1.6	1.6
					Bottom	6.5	0.7	222	28.4	28.5	7.7	7.7	23.5	23.5	73.3	73.8	5.0	5.1	21.3	20.4	18	18	88	18	88	83	815610	804256	<0.2	<0.2	1.6	1.6
						6.5	0.8	235	28.5	28.5	7.7	7.7	23.4	23.5	74.2	73.8	5.1	5.1	21.1	20.4	18	18	88	18	88	83	815610	804256	<0.2	<0.2	1.6	1.6
C2	Sunny	Moderate	14:52	9.9	Surface	1.0	1.2	160	30.7	30.7	7.7	7.7	13.0	13.0	78.9	78.6	5.5	4.8	10.3	14.5	6	13	87	91	825687	806955	<0.2	<0.2	2.8	3.0		
						1.0	1.2	162	30.7	30.7	7.7	7.7	13.0	13.0	78.2	78.6	5.4	4.8	10.2	14.5	5	13	86	13	86	91	825687	806955	<0.2	<0.2	2.8	3.0
					Middle	5.0	0.7	155	29.4	29.4	7.7	7.7	18.5	18.5	59.2	59.2	4.1	4.8	13.8	14.5	11	13	91	13	91	91	825687	806955	<0.2	<0.2	3.1	3.0
						5.0	0.7	160	29.4	29.4	7.7	7.7	18.4	18.5	59.2	59.2	4.1	4.8	13.7	14.5	12	13	92	13	92	91	825687	806955	<0.2	<0.2	2.9	3.0
					Bottom	8.9	0.4	152	28.6	28.6	7.7	7.7	22.3	22.3	55.4	56.1	3.8	3.9	19.5	14.5	20	13	93	20	93	91	825687	806955	<0.2	<0.2	3.1	3.0
						8.9	0.4	156	28.6	28.6	7.7	7.7	22.4	22.4	56.7	56.1	3.9	3.9	19.4	14.5	22	13	94	22	94	91	825687	806955	<0.2	<0.2	3.2	3.0
C3	Sunny	Moderate	12:28	11.7	Surface	1.0	0.2	319	29.6	29.6	7.9	7.9	21.1	21.1	79.2	79.2	5.4	4.8	4.4	6.4	4	7	89	92	822094	817794	<0.2	<0.2	1.4	1.6		
						1.0	0.2	335	29.6	29.6	7.9	7.9	21.1	21.1	79.2	79.2	5.4	4.8	4.4	6.4	6	7	89	7	89	92	822094	817794	<0.2	<0.2	1.5	1.6
					Middle	5.9	0.2	290	28.1	28.1	7.8	7.8	24.4	24.4	59.8	59.7	4.1	4.8	7.5	6.4	8	7	93	8	93	92	822094	817794	<0.2	<0.2	1.7	1.6
						5.9	0.2	307	28.1	28.1	7.8	7.8	24.4	24.4	59.6	59.7	4.1	4.8	7.5	6.4	7	7	93	7	93	92	822094	817794	<0.2	<0.2	1.5	1.6
					Bottom	10.7	0.2	107	26.7	26.7	7.8	7.8	29.2	29.2	56.2	56.4	3.8	3.8	7.3	6.4	8	7	94	8	94	92	822094	817794	<0.2	<0.2	1.5	1.6
						10.7	0.2	108	26.7	26.7	7.8	7.8	29.2	29.2	56.5	56.4	3.8	3.8	7.3	6.4	7	7	93	7	93	92	822094	817794	<0.2	<0.2	1.7	1.6
IM1	Sunny	Rough	13:16	6.4	Surface	1.0	0.8	204	29.6	29.6	7.8	7.8	18.9	18.9	78.1	78.1	5.4	5.2	14.7	18.8	4	23	81	86	818370	806447	<0.2	<0.2	2.0	1.8		
						1.0	0.8	213	29.6	29.6	7.8	7.8	18.9	18.9	78.0	78.1	5.4	5.2	15.1	18.8	17	23	81	23	81	86	818370	806447	<0.2	<0.2	1.7	1.8
					Middle	3.2	0.7	208	29.5	29.5	7.8	7.8	19.0	19.0	72.8	72.8	5.0	5.8	18.7	18.8	23	23	87	23	87	86	818370	806447	<0.2	<0.2	1.9	1.8
						3.2	0.7	217	29.5	29.5	7.8	7.8	19.0	19.0	72.7	72.8	5.0	5.8	19.6	18.8	24	23	87	24	87	86	818370	806447	<0.2	<0.2	1.8	1.8
					Bottom	5.4	0.7	192	28.5	28.9	7.7	7.8	24.0	23.9	85.0	85.0	5.8	5.8	22.3	18.8	25	23	89	25	89	86	818370	806447	<0.2	<0.2	1.7	1.8
						5.4	0.7	195	29.2	28.9	7.8	7.8	23.8	23.9	84.9	85.0	5.7	5.8	22.6	18.8	27	23	90	27	90	86	818370	806447	<0.2	<0.2	1.8	1.8
IM2	Sunny	Rough	13:28	7.1	Surface	1.0	0.7	212	29.7	29.7	7.7	7.7	18.4	18.4	81.6	81.7	5.6	5.7	17.3	17.0	11	10	80	85	818838	806189	<0.2	<0.2	2.8	3.1		
						1.0	0.7	218	29.7	29.7	7.7	7.7	18.4	18.4	81.7	81.7	5.6	5.7	17.4	17.0	11	10	80	11	80	85	818838	806189	<0.2	<0.2	3.1	3.1
					Middle	3.6	0.8	212	29.7	29.7	7.7	7.7	18.5	18.6	83.6	84.0	5.7	5.7	15.2	17.0	11	10	85	11	85	85	818838	806189	<0.2	<0.2	2.9	3.1
						3.6	0.9	220	29.7	29.7	7.7	7.7	18.6	18.6	84.4	84.0	5.8	5.8	15.9	17.0	9	10	85	9	85	85	818838	806189	<0.2	<0.2	3.1	3.1
					Bottom	6.1	0.6	213	29.7	29.7	7.7	7.7	18.6	18.6	90.1	90.4	6.2	6.2	18.3	17.0	9	10	91	9	91	85	818838	806189	<0.2	<0.2	3.6	3.1
						6.1	0.7	232	29.7	29.7	7.7	7.7	18.5	18.6	90.6	90.4	6.2	6.2	18.0	17.0	11	10	91	11	91	85	818838	806189	<0.2	<0.2	3.3	3.1
IM3	Sunny	Rough	13:37	7.2	Surface	1.0	0.6	230	29.5	29.5	7.7	7.7	19.0	19.0	73.5	73.6	5.1	5.2	17.9	21.6	10	9	79	84	819404	806004	<0.2	<0.2	3.0	3.1		
						1.0	0.7	245	29.5	29.5	7.7	7.7	19.0	19.0	73.6	73.6	5.1	5.2	17.9	21.6	9	9	79	9	79	84	819404	806004	<0.2	<0.2	3.2	3.1
					Middle	3.6	0.8	241	29.5	29.5	7.7	7.7	19.0	19.1	75.0	75.1	5.2	5.2	20.5	21.6	9	9	85	9	85	84	819404	806004	<0.2	<0.2	2.9	3.1
						3.6	0.8	241	29.5	29.5	7.7	7.7	19.1	19.1	75.1	75.1	5.2	5.2	20.7	21.6	9	9	85	9	85	84	819404	806004	<0.2	<0.2	3.4	3.1
					Bottom	6.2	0.6	216	29.5	29.5	7.7	7.7	19.1	19.1	77.8	77.9	5.4	5.4	26.5	21.6	10	9	88	10	88	84	819404	806004	<0.2	<0.2	3.2	3.1
						6.2	0.6	230	29.5	29.5	7.7	7.7	19.1	19.1	78.0	78.0	5.4	5.4	26.3	21.6	9	9	89	9	89	84	819404	806004	<0.2	<0.2	2.9	3.1
IM4	Sunny	Rough	13:45	6.9	Surface	1.0	0.3	324	29.4	29.4	7.7	7.7	19.7	19.7	75.4	75.5	5.2	5.3	12.9	16.4	10	10	78	84	819577	805027	<0.2	<0.2	3.0	3.0		
						1.0	0.3	353	29.4	29.4	7.7	7.7	19.7	19.7	75.5	75.5	5.2	5.3	12.9	16.4	10	10	79	10	79	84	819577	805027	<0.2	<0.2	3.0	3.0
					Middle	3.5	0.3	276	29.3	29.3	7.7	7.7	19.7	19.7	76.8	76.9	5.3	5.3	17.9	16.4	9	10	84	9	84	84	819577	805027	<0.2	<0.2	3.0	3.0
						3.5	0.3	283	29.3	29.3	7.7	7.7	19.7	19.7	76.9	76.9	5.3	5.3	18.1	16.4	8	10	85	8	85	84	819577	805027	<0.2	<0.2	3.0	3.0
					Bottom	5.9	0.3	262	29.3	29.3	7.7	7.7	19.8	19.8	80.9	81.1	5.6	5.6	18.6	16.4	11	10	90	11	90	84	819577	805027	<0.2	<0.2	2.8	3.0
						5.9	0.3	270	29.3	29.3	7.7	7.7	19.8	19.8	81.2	81.1	5.6	5.6	18.1	16.4	11	10	90	11	90	84	819577	805027	<0.2	<0.2	3.2	3.0
IM5	Sunny	Rough	14:00	6.0	Surface	1.0	0.7	246	29.4	29.4	7.7	7.7	19.1	19.1	73.5	73.5	5.1	5.2	13.4	16.3	10	10	80	86	820560	804933	<0.2	<0.2	3.2	3.		

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 August 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
IM9	Sunny	Moderate	14:06	6.2	Surface	1.0	0.8	177	30.0	7.7	7.7	18.8	18.1	71.8	72.0	4.9	4.7	11.4	17	88	89	822090	808814	<0.2	2.4	2.5										
						1.0	0.8	180	30.0	7.7	7.7	17.3	18.1	72.2	72.0	5.0	4.7	11.2	17	87	89	<0.2	2.4													
					Middle	3.1	0.4	182	29.5	7.7	7.7	19.2	19.3	65.6	65.6	4.5	4.7	15.0	15	89	89	<0.2	2.4													
						3.1	0.4	186	29.5	7.7	7.7	19.3	19.3	65.6	65.6	4.5	4.7	15.0	16	89	89	<0.2	2.7													
					Bottom	5.2	0.5	177	29.3	7.7	7.7	20.1	20.1	68.1	68.2	4.7	4.7	26.1	19	91	92	<0.2	2.6													
						5.2	0.5	187	29.3	7.7	7.7	20.1	20.1	68.3	68.2	4.7	4.7	26.1	21	92	92	<0.2	2.5													
IM10	Sunny	Moderate	13:56	6.0	Surface	1.0	0.7	142	29.9	7.7	7.7	18.2	18.3	70.6	70.6	4.8	4.8	17.3	18	88	89	822255	809834	<0.2	2.1	2.3										
						1.0	0.8	147	29.8	7.7	7.7	18.3	18.3	70.5	70.6	4.8	4.8	17.5	19	87	89	<0.2	2.4													
					Middle	3.0	0.7	141	29.8	7.7	7.7	18.6	18.6	69.6	69.6	4.8	4.8	19.6	18	89	89	<0.2	2.3													
						3.0	0.7	148	29.8	7.7	7.7	18.6	18.6	69.5	69.6	4.8	4.7	20.2	18	89	89	<0.2	2.1													
					Bottom	5.0	0.5	155	29.6	7.7	7.7	19.1	19.1	69.0	69.0	4.7	4.7	26.3	18	91	92	<0.2	2.4													
						5.0	0.5	160	29.6	7.7	7.7	19.2	19.2	69.2	69.1	4.7	4.7	26.8	17	92	92	<0.2	2.3													
IM11	Sunny	Moderate	13:43	6.6	Surface	1.0	0.8	133	30.3	7.7	7.7	16.5	16.9	75.4	75.5	5.2	5.0	14.7	12	86	87	821494	810549	<0.2	2.3	2.5										
						1.0	0.8	138	30.4	7.7	7.7	17.2	16.9	75.5	75.5	5.2	5.0	15.6	10	87	89	<0.2	2.3													
					Middle	3.3	0.6	120	29.7	7.7	7.7	18.7	18.7	68.7	68.6	4.7	4.7	16.3	13	89	89	<0.2	2.7													
						3.3	0.6	129	29.7	7.7	7.7	18.6	18.7	68.5	68.6	4.7	4.7	16.7	10	89	91	<0.2	2.4													
					Bottom	5.6	0.4	94	29.3	7.7	7.7	20.0	20.1	68.2	68.6	4.7	4.7	21.3	16	91	91	<0.2	2.4													
						5.6	0.5	96	29.3	7.7	7.7	20.1	20.1	68.9	68.6	4.7	4.7	21.6	18	91	91	<0.2	2.8													
IM12	Sunny	Moderate	13:33	7.6	Surface	1.0	0.8	115	30.3	7.7	7.7	16.5	16.5	75.3	75.3	5.2	5.0	10.3	10	86	87	821165	811530	<0.2	2.0	2.2										
						1.0	0.8	122	30.3	7.7	7.7	16.5	16.5	75.2	75.3	5.2	5.0	10.3	8	87	90	<0.2	2.3													
					Middle	3.8	0.6	89	29.6	7.7	7.7	19.2	19.2	69.1	69.1	4.7	4.7	15.8	11	90	89	<0.2	2.0													
						3.8	0.6	93	29.6	7.7	7.7	19.2	19.2	69.1	69.1	4.7	4.7	15.7	10	89	94	<0.2	2.2													
					Bottom	6.6	0.4	71	29.3	7.7	7.7	20.3	20.3	72.5	73.5	5.0	5.1	20.9	12	94	93	<0.2	2.2													
						6.6	0.4	72	29.3	7.7	7.7	20.3	20.3	74.5	73.5	5.1	5.1	21.1	12	93	91	<0.2	2.4													
SR2	Sunny	Moderate	12:58	3.7	Surface	1.0	0.4	73	29.8	7.8	7.8	18.5	18.5	75.8	75.9	5.2	5.2	11.3	10	88	87	821446	814169	<0.2	1.8	1.8										
						1.0	0.5	78	29.8	7.8	7.8	18.5	18.5	75.9	75.9	5.2	5.2	11.2	11	87	90	<0.2	1.8													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-				
					Bottom	2.7	0.3	73	29.8	7.7	7.7	18.5	18.5	77.7	78.2	5.3	5.4	11.7	11	90	91	<0.2	1.7													
						2.7	0.3	75	29.8	7.7	7.7	18.5	18.5	78.7	78.2	5.4	5.4	11.6	12	91	91	<0.2	1.7													
SR3	Sunny	Moderate	14:21	7.5	Surface	1.0	1.0	190	30.5	7.8	7.8	15.5	15.5	78.8	78.7	5.4	4.9	10.7	9	-	-	822157	807590	-	-	-										
						1.0	1.0	191	30.5	7.8	7.8	15.5	15.5	78.5	78.7	5.4	4.9	10.6	9	-	-	-	-													
					Middle	3.8	0.8	200	29.5	7.7	7.7	19.1	19.1	62.9	62.9	4.3	4.3	14.2	9	-	-	-	-													
						3.8	0.8	219	29.5	7.7	7.7	19.1	19.1	62.9	62.9	4.3	4.3	14.2	9	-	-	-	-													
					Bottom	6.5	0.5	221	29.4	7.7	7.7	19.5	19.5	63.3	63.5	4.3	4.4	20.6	11	-	-	-	-													
						6.5	0.5	226	29.4	7.7	7.7	19.4	19.4	63.7	63.5	4.4	4.4	20.4	10	-	-	-	-													
SR4A	Sunny	Calm	12:30	7.2	Surface	1.0	0.5	269	29.8	7.8	7.8	20.0	20.1	85.6	85.2	5.8	5.7	18.2	17	-	-	817201	807811	-	-	-										
						1.0	0.5	284	29.8	7.8	7.8	20.1	20.1	84.8	85.2	5.8	5.7	18.9	16	-	-	-	-													
					Middle	3.6	0.5	270	29.6	7.8	7.8	20.3	20.3	81.3	80.9	5.5	5.5	20.6	19	-	-	-	-													
						3.6	0.6	287	29.5	7.8	7.8	20.3	20.3	80.5	80.5	5.5	5.5	21.2	18	-	-	-	-													
					Bottom	6.2	0.6	269	28.9	7.7	7.7	22.9	22.9	82.6	82.8	5.6	5.6	20.4	21	-	-	-	-													
						6.2	0.7	275	28.9	7.7	7.7	22.9	22.9	83.0	82.8	5.6	5.6	20.3	20	-	-	-	-													
SR5A	Sunny	Calm	12:12	4.5	Surface	1.0	0.3	303	29.4	7.8	7.8	21.0	21.0	85.4	85.4	5.8	5.8	11.7	9	-	-	816611	810715	-	-	-										
						1.0	0.3	321	29.4	7.8	7.8	21.0	21.0	85.4	85.4	5.8	5.8	11.8	9	-	-	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-					
					Bottom	3.5	0.3	310	29.3	7.8	7.8	22.4	22.4	97.3	97.7	6.6	6.6	10.5	9	-	-	-	-													
						3.5	0.4	335	29.3	7.8	7.8	22.4	22.4	98.1	97.7	6.6	6.6	10.1	10	-	-	-	-													
SR6	Sunny	Calm	11:48	3.8	Surface	1.0	0.1	295	30.0	7.8	7.8	20.3	20.4	93.6	93.1	6.3	6.3	15.4	10	-	-	817901	814644	-	-	-										
						1.0	0.1	311	29.9	7.8	7.8	20.5	20.4	92.6	93.1	6.3	6.3	15.3	10	-	-	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-						
					Bottom	2.8	0.0	38	29.8	7.8	7.8	21.0	21.0	92.7	92.8	6.3	6.3	15.2	12	-	-	-	-													
						2.8	0.0	41	29.8	7.8	7.8	20.9	21.0	92.8	92.8	6.3	6.3	15.2	11	-	-	-	-													
SR7	Sunny	Moderate	11:46	20.1	Surface	1.0	0.7	84	29.7	7.8	7.8	19.6	19.6	79.8	79.8	5.4	5.3	3.8	4	-	-	823624	823727	-	-	-										
						1.0	0.7	88	29.8	7.8	7.8	19.5	19.6	79.8	79.8	5.4	5.3	3.8	6	-	-	-	-													
					Middle	10.1	0.4	48	29.4	7.8	7.8	20.3	20.4	76.1	76.1	5.2	5.2	3.9	5	-	-	-	-													
						10.1	0.4	49	29.4	7.8	7.8	20.4	20.4	76.1	76.1	5.2	5.2	3.9	5	-	-	-	-													
					Bottom	19.1	1.5	38	29.4	7.8	7.8	20.4	20.5	76.1	76.1	5.2	5.2	4.0	6	-	-	-	-													
						19.1	1.5	38	29.4	7.8	7.8	20.5	20.5	76.0	76.1	5.2	5.2	3.9	6	-	-	-	-													
SR8	Sunny	Moderate	13:23	3.8	Surface	1.0	-	-	30.0	7.8	7.8	18.3	18.3	80.7	80.7	5.5	5.5	8.6	11	-	-	820246	811418	-	-	-										
						1.0	-	-	30.0	7.8	7.8	18.3	1																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 August 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	Fine	Moderate	20:08	8.1	Surface	1.0	0.5	34	29.4	7.8	7.8	19.3	19.3	74.9	74.9	5.1	5.0	12.7	16.9	13	16	77	81	815612	804242	<0.2	<0.2	1.7	1.6							
						1.0	0.5	35	29.4	7.8	7.8	19.3	19.3	74.8	74.9	5.1	5.0	12.8	16.9	12	16	77	81	815612	804242	<0.2	<0.2	1.5	1.6							
						4.1	0.4	24	29.3	7.7	7.8	19.8	19.8	70.9	70.7	4.9	4.8	16.3	16.9	13	16	80	81	815612	804242	<0.2	<0.2	1.7	1.6							
					Middle	4.1	0.5	24	29.3	7.8	7.8	19.7	19.8	70.5	70.7	4.8	4.8	17.0	16.9	15	16	80	81	815612	804242	<0.2	<0.2	1.5	1.6							
						7.1	0.5	45	28.7	7.7	7.7	22.7	22.7	72.7	72.9	5.0	5.0	21.6	21.6	20	21	85	85	815612	804242	<0.2	<0.2	1.3	1.6							
						7.1	0.5	47	28.7	7.7	7.7	22.7	22.7	73.1	72.9	5.0	5.0	21.0	21.6	21	21	85	85	815612	804242	<0.2	<0.2	1.5	1.6							
C2	Fine	Rough	18:47	10.6	Surface	1.0	0.6	187	30.3	7.7	7.7	14.4	14.7	73.1	73.4	5.1	4.6	12.4	16.2	10	11	89	92	825669	806952	<0.2	<0.2	2.8	3.0							
						1.0	0.6	196	30.4	7.7	7.7	15.0	14.7	73.7	73.4	5.1	4.6	12.3	16.2	11	11	90	91	825669	806952	<0.2	<0.2	2.8	3.0							
						5.3	0.4	184	29.5	7.7	7.7	18.2	18.2	58.2	58.2	4.0	4.0	15.6	16.2	10	11	91	91	825669	806952	<0.2	<0.2	3.3	3.0							
					Middle	5.3	0.4	186	29.6	7.7	7.7	18.1	18.1	58.2	58.2	4.0	4.0	15.9	16.2	12	11	91	91	825669	806952	<0.2	<0.2	2.9	3.0							
						9.6	0.2	24	28.7	7.7	7.7	22.1	22.1	49.1	49.2	3.4	3.4	20.4	20.6	11	10	94	94	825669	806952	<0.2	<0.2	3.2	2.8							
						9.6	0.2	24	28.7	7.7	7.7	22.1	22.1	49.2	49.2	3.4	3.4	20.6	20.6	10	10	94	94	825669	806952	<0.2	<0.2	2.8	2.8							
C3	Fine	Moderate	20:42	11.8	Surface	1.0	0.5	245	29.2	7.9	7.9	21.2	21.2	69.3	69.2	4.7	4.3	4.9	6.5	6	8	87	91	822112	817804	<0.2	<0.2	1.7	1.7							
						1.0	0.5	252	29.1	7.9	7.9	21.2	21.2	69.1	69.2	4.7	4.3	5.0	6.5	8	8	87	91	822112	817804	<0.2	<0.2	1.6	1.7							
						5.9	0.6	248	28.0	7.9	7.9	25.1	25.1	56.4	56.3	3.8	3.8	5.8	6.5	6	8	92	91	822112	817804	<0.2	<0.2	1.6	1.7							
					Middle	5.9	0.7	255	28.0	7.8	7.9	25.1	25.1	56.2	56.3	3.8	3.8	5.9	6.5	8	8	91	91	822112	817804	<0.2	<0.2	1.7	1.7							
						10.8	0.4	284	27.2	7.8	7.8	27.6	27.6	57.7	57.9	3.9	3.9	8.7	6.5	9	8	94	94	822112	817804	<0.2	<0.2	1.6	1.7							
						10.8	0.4	297	27.3	7.8	7.8	27.6	27.6	58.0	57.9	3.9	3.9	8.6	6.5	8	8	93	94	822112	817804	<0.2	<0.2	1.8	1.7							
IM1	Fine	Moderate	19:43	7.2	Surface	1.0	0.7	357	29.6	7.9	7.9	20.2	20.2	84.3	84.2	5.8	5.7	11.9	17.6	10	19	78	82	818355	806461	<0.2	<0.2	1.6	1.5							
						1.0	0.7	328	29.5	7.9	7.9	20.2	20.2	84.1	84.2	5.7	5.7	12.0	17.6	9	19	78	82	818355	806461	<0.2	<0.2	1.5	1.5							
						3.6	0.6	346	29.5	7.8	7.8	22.1	22.1	83.4	83.4	5.6	5.6	15.6	17.6	13	19	81	81	818355	806461	<0.2	<0.2	1.4	1.5							
					Middle	3.6	0.6	318	29.5	7.8	7.8	22.1	22.1	83.3	83.4	5.6	5.6	15.7	17.6	12	19	82	81	818355	806461	<0.2	<0.2	1.6	1.5							
						6.2	0.4	346	29.0	7.8	7.8	23.0	23.0	84.9	85.1	5.8	5.8	25.6	17.6	34	19	86	86	818355	806461	<0.2	<0.2	1.3	1.4							
						6.2	0.5	347	29.0	7.8	7.8	23.0	23.0	85.2	85.1	5.8	5.8	24.5	17.6	36	19	86	86	818355	806461	<0.2	<0.2	1.4	1.4							
IM2	Fine	Moderate	19:33	7.7	Surface	1.0	0.2	312	29.7	7.8	7.8	18.5	18.5	82.1	82.2	5.6	5.7	14.4	12.4	16	17	81	85	818842	806185	<0.2	<0.2	2.3	2.2							
						1.0	0.2	330	29.7	7.8	7.8	18.5	18.5	82.2	82.2	5.7	5.7	14.4	12.4	16	17	81	85	818842	806185	<0.2	<0.2	2.1	2.2							
						3.9	0.3	2	29.6	7.8	7.8	19.9	19.9	83.2	83.2	5.7	5.7	10.0	12.4	18	17	87	87	818842	806185	<0.2	<0.2	2.3	2.2							
					Middle	3.9	0.3	2	29.5	7.8	7.8	19.9	19.9	83.1	83.2	5.7	5.7	10.4	12.4	17	17	87	87	818842	806185	<0.2	<0.2	1.9	2.2							
						6.7	0.4	357	29.3	7.8	7.8	21.8	21.8	83.8	84.3	5.7	5.7	12.7	12.4	17	17	88	88	818842	806185	<0.2	<0.2	2.2	2.2							
						6.7	0.4	328	29.4	7.8	7.8	21.7	21.7	84.7	84.3	5.7	5.7	12.2	12.4	16	17	88	88	818842	806185	<0.2	<0.2	2.2	2.2							
IM3	Fine	Moderate	19:24	7.8	Surface	1.0	0.2	257	29.9	7.7	7.7	17.0	17.0	78.6	78.6	5.4	5.4	10.9	11.3	17	17	80	83	819394	806031	<0.2	<0.2	2.1	2.2							
						1.0	0.2	273	29.9	7.7	7.7	17.0	17.0	78.6	78.6	5.4	5.4	10.9	11.3	16	17	80	83	819394	806031	<0.2	<0.2	2.1	2.2							
						3.9	0.3	280	29.8	7.7	7.7	17.5	17.5	78.9	79.0	5.4	5.4	10.3	11.3	16	17	84	85	819394	806031	<0.2	<0.2	2.2	2.2							
					Middle	3.9	0.3	303	29.8	7.7	7.7	17.5	17.5	79.0	79.0	5.4	5.4	10.4	11.3	18	17	85	85	819394	806031	<0.2	<0.2	2.0	2.2							
						6.8	0.2	296	29.7	7.7	7.7	18.8	18.8	80.8	80.9	5.5	5.5	12.6	11.3	16	17	86	86	819394	806031	<0.2	<0.2	2.3	2.3							
						6.8	0.2	303	29.7	7.7	7.7	18.7	18.7	80.9	80.9	5.6	5.6	12.4	11.3	17	17	85	85	819394	806031	<0.2	<0.2	2.3	2.3							
IM4	Fine	Moderate	19:15	7.1	Surface	1.0	0.5	299	29.7	7.7	7.7	17.6	17.7	75.8	75.8	5.2	5.2	12.8	16.5	15	14	78	83	819577	805057	<0.2	<0.2	2.1	2.2							
						1.0	0.5	325	29.7	7.7	7.7	17.7	17.7	75.8	75.8	5.2	5.2	12.1	16.5	13	14	79	83	819577	805057	<0.2	<0.2	2.3	2.2							
						3.6	0.3	312	29.5	7.7	7.7	18.5	18.5	76.1	76.2	5.2	5.2	14.3	16.5	14	14	83	83	819577	805057	<0.2	<0.2	2.2	2.2							
					Middle	3.6	0.3	331	29.5	7.7	7.7	18.5	18.5	76.2	76.2	5.2	5.2	14.5	16.5	13	14	83	83	819577	805057	<0.2	<0.2	2.2	2.2							
						6.1	0.2	3	29.5	7.7	7.7	19.1	19.1	80.2	80.3	5.5	5.5	22.5	16.5	16	14	89	88	819577	805057	<0.2	<0.2	2.1	2.1							
						6.1	0.2	3	29.5	7.7	7.7	19.1	19.1	80.4	80.3	5.5	5.5	22.9	16.5	14	14	88	88	819577	805057	<0.2	<0.2	2.1	2.1							
IM5	Fine	Moderate	19:03	6.1	Surface	1.0	0.4	297	29.7	7.6	7.6	17.4	17.4	75.1	75.2	5.2	5.3	17.8	18.4	13	13	82	85	820570	804909	<0.2	<0.2	2.2	2.0							
						1.0	0.4	300	29.7	7.6	7.6	17.4	17.4	75.2	75.2	5.2	5.3	17.8	18.4	13	13	81	85	820570	804909	<0.2	<0.2	2.0	2.0							
						3.1	0.3	308	29.7	7.7	7.7	17.4	17.4	76.5	76.6	5.3	5.3	18.7	18.4	14	13	85	85	820570	804909	<0.2	<0.2	2.0	2.0							
					Middle	3.1	0.3	328	29.7	7.7	7.7	17.4	17.4	76.6	76.6	5.3	5.3	18.7	18.4	12	13	85	85	820570	804909	<0.2	<0.2	2.0	2.0							
						5.1	0.4	298	29.7	7.7	7.7	17.5	17.5	79.8																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 August 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
C1	Cloudy	Moderate	14:12	8.8	Surface	1.0	0.9	32	28.6	28.6	7.8	7.8	21.6	21.6	80.3	80.3	5.5	3.8	4	87	89	815600	804239	<0.2	<0.2	1.1	1.2					
						1.0	1.0	34	28.6	28.6	7.8	7.8	21.6	21.6	80.3	80.3	5.5	3.8	5	86	88	815600	804239	<0.2	<0.2	1.0	1.2					
					Middle	4.4	0.7	35	27.7	27.7	7.7	7.7	25.5	25.5	59.2	59.2	4.0	11.5	6	88	89	815600	804239	<0.2	<0.2	1.3	1.4					
						4.4	0.7	36	27.7	27.7	7.7	7.7	25.5	25.5	59.2	59.2	4.0	11.6	5	89	91	815600	804239	<0.2	<0.2	1.4	1.4					
					Bottom	7.8	0.7	23	26.5	26.5	7.7	7.7	30.1	30.1	52.6	52.6	3.6	18.7	12	92	91	815600	804239	<0.2	<0.2	1.4	1.4					
						7.8	0.7	23	26.5	26.5	7.7	7.7	30.1	30.1	52.7	52.7	3.6	18.2	13	91	91	815600	804239	<0.2	<0.2	1.4	1.4					
C2	Rainy	Rough	12:54	12.4	Surface	1.0	0.3	336	29.5	29.5	7.8	7.8	17.9	17.9	74.1	74.0	5.1	10.8	12	88	90	825666	806936	<0.2	<0.2	2.2	2.1					
						1.0	0.3	354	29.5	29.5	7.8	7.8	17.9	17.9	73.9	74.0	5.1	11.0	11	88	92	825666	806936	<0.2	<0.2	2.0	2.0					
					Middle	6.2	0.4	316	28.8	28.8	7.8	7.8	21.4	21.4	64.2	64.1	4.4	11.6	14	92	92	825666	806936	<0.2	<0.2	1.9	1.9					
						6.2	0.4	337	28.8	28.8	7.8	7.8	21.4	21.4	64.0	64.1	4.4	12.6	14	92	91	825666	806936	<0.2	<0.2	2.0	2.0					
					Bottom	11.4	0.7	290	28.7	28.7	7.7	7.7	22.2	22.2	64.4	64.5	4.4	18.5	14	91	91	825666	806936	<0.2	<0.2	2.0	2.0					
						11.4	0.7	291	28.7	28.7	7.7	7.7	22.2	22.2	64.6	64.5	4.4	18.6	13	91	91	825666	806936	<0.2	<0.2	2.0	2.0					
C3	Cloudy	Moderate	14:41	11.4	Surface	1.0	0.7	266	28.5	28.5	7.8	7.8	22.4	22.4	68.5	68.5	4.7	6.4	5	90	88	822089	817786	<0.2	<0.2	1.3	1.3					
						1.0	0.7	275	28.5	28.5	7.8	7.8	22.4	22.4	68.4	68.5	4.7	6.5	7	90	83	822089	817786	<0.2	<0.2	1.3	1.3					
					Middle	5.7	0.7	263	28.4	28.4	7.8	7.8	22.9	22.9	67.0	67.0	4.6	7.0	8	83	84	822089	817786	<0.2	<0.2	1.2	1.4					
						5.7	0.8	274	28.4	28.4	7.8	7.8	22.9	22.9	67.0	67.0	4.6	6.8	8	84	90	822089	817786	<0.2	<0.2	1.4	1.3					
					Bottom	10.4	1.1	272	28.3	28.3	7.8	7.8	23.2	23.2	67.2	67.2	4.6	7.4	9	90	91	822089	817786	<0.2	<0.2	1.3	1.3					
						10.4	1.2	283	28.3	28.3	7.8	7.8	23.2	23.2	67.2	67.2	4.6	7.5	8	91	91	822089	817786	<0.2	<0.2	1.2	1.2					
IM1	Cloudy	Moderate	13:54	7.4	Surface	1.0	0.7	14	28.8	28.8	7.8	7.8	21.1	21.1	74.2	74.1	5.1	5.8	8	86	89	818344	806469	<0.2	<0.2	1.4	1.3					
						1.0	0.7	14	28.8	28.8	7.8	7.8	21.1	21.1	73.9	74.1	5.1	5.8	8	87	89	818344	806469	<0.2	<0.2	1.3	1.3					
					Middle	3.7	0.6	11	28.0	28.0	7.7	7.7	24.1	24.1	64.9	64.9	4.5	6.6	7	89	89	818344	806469	<0.2	<0.2	1.1	1.1					
						3.7	0.6	11	28.0	28.0	7.7	7.7	24.1	24.1	64.9	64.9	4.5	6.6	6	89	91	818344	806469	<0.2	<0.2	1.4	1.3					
					Bottom	6.4	0.6	355	26.8	26.8	7.7	7.7	29.1	29.1	51.3	51.3	3.5	15.8	8	91	91	818344	806469	<0.2	<0.2	1.2	1.3					
						6.4	0.6	327	26.8	26.8	7.7	7.7	29.1	29.1	51.3	51.3	3.5	15.8	9	91	91	818344	806469	<0.2	<0.2	1.3	1.3					
IM2	Cloudy	Moderate	13:48	8.6	Surface	1.0	0.7	23	28.8	28.8	7.8	7.8	20.7	20.7	79.7	79.7	5.5	5.0	5	86	89	818864	806210	<0.2	<0.2	1.6	1.6					
						1.0	0.7	23	28.8	28.8	7.8	7.8	20.7	20.7	79.7	79.7	5.5	5.0	7	86	88	818864	806210	<0.2	<0.2	1.6	1.6					
					Middle	4.3	0.6	22	28.0	28.0	7.7	7.7	24.4	24.4	63.0	63.0	4.3	13.2	7	88	89	818864	806210	<0.2	<0.2	1.4	1.4					
						4.3	0.7	23	28.0	28.0	7.7	7.7	24.4	24.4	63.0	63.0	4.3	13.2	7	89	91	818864	806210	<0.2	<0.2	1.6	1.6					
					Bottom	7.6	0.5	2	26.8	26.8	7.7	7.7	29.0	29.0	51.1	51.2	3.5	17.5	12	91	92	818864	806210	<0.2	<0.2	1.2	1.1					
						7.6	0.5	2	26.8	26.8	7.7	7.7	29.0	29.0	51.2	51.2	3.5	17.6	10	92	92	818864	806210	<0.2	<0.2	1.1	1.1					
IM3	Cloudy	Moderate	13:40	8.8	Surface	1.0	0.8	15	28.6	28.6	7.8	7.8	20.9	20.9	81.0	81.0	5.6	3.9	5	87	89	819393	806011	<0.2	<0.2	1.4	1.3					
						1.0	0.8	16	28.6	28.6	7.8	7.8	20.9	20.9	81.0	81.0	5.6	3.9	5	87	89	819393	806011	<0.2	<0.2	1.3	1.3					
					Middle	4.4	0.7	15	28.4	28.4	7.7	7.7	22.7	22.7	68.6	68.6	4.7	9.3	4	89	89	819393	806011	<0.2	<0.2	1.4	1.3					
						4.4	0.7	16	28.4	28.4	7.7	7.7	22.7	22.7	68.6	68.6	4.7	9.3	5	89	92	819393	806011	<0.2	<0.2	1.3	1.2					
					Bottom	7.8	0.5	15	27.3	27.3	7.7	7.7	27.4	27.4	54.3	54.4	3.7	14.8	8	92	91	819393	806011	<0.2	<0.2	1.2	1.2					
						7.8	0.5	15	27.3	27.3	7.7	7.7	27.4	27.4	54.5	54.5	3.7	14.5	9	91	91	819393	806011	<0.2	<0.2	1.2	1.2					
IM4	Cloudy	Moderate	13:31	8.3	Surface	1.0	0.7	8	28.4	28.4	7.7	7.7	22.8	22.8	72.2	72.2	4.9	7.7	8	86	89	819567	805038	<0.2	<0.2	1.2	1.2					
						1.0	0.7	8	28.4	28.4	7.7	7.7	22.8	22.8	72.1	72.2	4.9	7.8	9	86	89	819567	805038	<0.2	<0.2	1.3	1.3					
					Middle	4.2	0.6	6	28.1	28.1	7.7	7.7	23.9	23.9	64.0	64.0	4.4	15.4	7	89	89	819567	805038	<0.2	<0.2	1.2	1.2					
						4.2	0.7	6	28.1	28.1	7.7	7.7	23.9	23.9	63.9	64.0	4.4	15.6	7	89	91	819567	805038	<0.2	<0.2	1.2	1.2					
					Bottom	7.3	0.4	355	27.4	27.4	7.7	7.7	26.9	26.9	55.8	55.9	3.8	18.6	10	91	91	819567	805038	<0.2	<0.2	1.2	1.2					
						7.3	0.4	327	27.4	27.4	7.7	7.7	26.9	26.9	55.9	55.9	3.8	18.7	12	92	92	819567	805038	<0.2	<0.2	1.3	1.3					
IM5	Cloudy	Moderate	13:20	7.3	Surface	1.0	0.9	9	28.5	28.5	7.7	7.7	22.3	22.3	73.9	73.9	5.1	7.2	11	87	89	820561	804929	<0.2	<0.2	1.4	1.4					
						1.0	0.9	9	28.5	28.5	7.7	7.7	22.3	22.3	73.9	73.9	5.1	7.2	12	86	89	820561	804929	<0.2	<0.2	1.4	1.4					
					Middle	3.7	0.8	2	27.9	27.9	7.7	7.7	24.3	24.3	61.5	61.5	4.2	11.6	10	89	89	820561	804929	<0.2	<0.2	1.5	1.5					
						3.7	0.8	2	27.9	27.9	7.7	7.7	24.3	24.3	61.5	61.5	4.2	11.5	10	89	92	820561	804929	<0.2	<0.2	1.3	1.3					
					Bottom	6.3	0.4	22	27.3	27.3	7.6	7.6	27.2	27.2	55.1	55.2	3.8	17.6	12	92	91	820561	804929	<0.2	<0.2	1.5	1.5					
						6.3	0.4	23	27.3	27.3	7.6	7.6	27.2	27.2	55.2	55.2	3.8	17.6	11	91	91	820561	804929	<0.2	<0.2	1.3	1.3					
IM6	Cloudy	Moderate	13:12	7.5	Surface	1.0	0.5	27	28.8	28.8	7.7	7.7	21.4	21.4	81.3	81.3	5.6	5.1	7	86	89	821069	805833	<0.2	<0.2	1.6	1.6					
						1.0	0.5	29	28.8	28.8	7.7	7.7	21.4	21.4	81.3	81.3	5.6	5.1	6	87	89	821069										

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 August 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
IM9	Rainy	Moderate	13:29	7.4	Surface	1.0	0.3	340	29.4	7.8	7.8	18.8	18.8	78.1	78.1	5.4	8.4	7	91	9	93	822088	808810	<0.2	1.9	1.9				
						1.0	0.3	356	29.4	7.8	7.8	18.8	18.8	78.1	78.1	5.4	8.9	8	91	9	93	<0.2	1.8							
					Middle	3.7	0.3	329	29.1	7.8	7.8	20.1	20.1	74.9	74.9	5.1	8.8	7	94	9	93	<0.2	1.8							
						3.7	0.3	338	29.1	7.8	7.8	20.1	20.1	74.9	74.9	5.2	8.8	7	94	9	93	<0.2	1.8							
					Bottom	6.4	0.1	340	29.1	7.8	7.8	20.2	20.2	75.2	75.2	5.2	12.4	13	95	9	93	<0.2	2.2							
						6.4	0.2	340	29.1	7.8	7.8	20.2	20.2	75.2	75.2	5.2	12.3	13	95	9	93	<0.2	2.2							
IM10	Cloudy	Moderate	13:37	6.4	Surface	1.0	0.6	309	29.4	7.9	7.9	19.0	19.0	81.6	81.6	5.6	7.9	6	91	9	93	822254	809833	<0.2	2.1	1.9				
						1.0	0.6	327	29.4	7.9	7.9	19.0	19.0	81.5	81.6	5.6	7.8	7	92	9	93	<0.2	2.1							
					Middle	3.2	0.6	308	29.1	7.8	7.8	19.9	19.9	75.0	75.1	5.2	11.1	9	91	9	93	<0.2	2.0							
						3.2	0.6	332	29.1	7.8	7.8	19.9	19.9	75.1	75.1	5.2	11.3	8	92	9	93	<0.2	1.9							
					Bottom	5.4	0.3	310	29.1	7.8	7.8	20.2	20.2	75.6	75.6	5.2	13.5	12	95	9	93	<0.2	1.7							
						5.4	0.3	319	29.1	7.8	7.8	20.2	20.2	75.7	75.7	5.2	13.4	11	95	9	93	<0.2	1.8							
IM11	Cloudy	Moderate	13:47	8.2	Surface	1.0	0.6	292	29.2	7.9	7.9	19.7	19.7	77.1	77.1	5.3	11.3	7	87	10	88	821482	810553	<0.2	2.0	2.0				
						1.0	0.6	316	29.2	7.9	7.9	19.7	19.7	77.0	77.1	5.3	11.6	7	87	10	88	<0.2	2.0							
					Middle	4.1	0.6	285	29.1	7.9	7.9	20.0	20.0	75.1	75.1	5.2	13.5	10	86	10	88	<0.2	2.2							
						4.1	0.6	306	29.1	7.9	7.9	20.0	20.0	75.1	75.1	5.2	13.6	10	87	10	88	<0.2	2.0							
					Bottom	7.2	0.4	290	29.1	7.9	7.9	20.2	20.2	75.0	75.0	5.2	15.8	24	90	10	88	<0.2	1.9							
						7.2	0.5	306	29.1	7.9	7.9	20.2	20.2	75.0	75.0	5.2	15.1	22	91	10	88	<0.2	1.9							
IM12	Cloudy	Moderate	13:54	8.0	Surface	1.0	0.7	277	29.3	7.9	7.9	19.6	19.6	78.1	78.0	5.4	8.3	9	88	10	91	821180	811514	<0.2	2.2	2.0				
						1.0	0.7	285	29.3	7.9	7.9	19.6	19.6	77.9	78.0	5.4	8.5	9	89	10	91	<0.2	1.8							
					Middle	4.0	0.9	278	29.2	7.9	7.9	19.7	19.7	76.2	76.3	5.2	16.2	10	91	10	91	<0.2	2.2							
						4.0	0.9	289	29.2	7.9	7.9	19.7	19.7	76.3	76.3	5.3	16.1	9	91	10	91	<0.2	1.8							
					Bottom	7.0	0.4	280	29.2	7.9	7.9	19.7	19.7	77.1	77.3	5.3	18.6	10	93	10	91	<0.2	1.9							
						7.0	0.4	287	29.2	7.9	7.9	19.7	19.7	77.4	77.3	5.3	18.7	11	94	10	94	<0.2	2.1							
SR2	Cloudy	Moderate	14:22	4.6	Surface	1.0	0.3	194	29.2	7.9	7.9	19.8	19.8	75.7	75.7	5.2	13.4	9	84	10	88	821455	814158	<0.2	2.1	2.1				
						1.0	0.3	201	29.2	7.9	7.9	19.8	19.8	75.7	75.7	5.2	13.5	9	84	10	88	<0.2	2.2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	3.6	0.3	195	29.1	7.9	7.9	20.0	20.0	76.3	76.4	5.2	15.9	10	92	10	92	<0.2	2.1							
						3.6	0.4	198	29.1	7.9	7.9	20.0	20.0	76.4	76.4	5.3	15.7	10	92	10	92	<0.2	2.0							
SR3	Rainy	Rough	13:15	9.1	Surface	1.0	0.4	351	29.3	7.8	7.8	19.4	19.4	76.2	76.2	5.2	9.3	7	-	-	-	822142	807565	-	-	-				
						1.0	0.4	323	29.3	7.8	7.8	19.4	19.4	76.1	76.2	5.2	9.4	6	-	-	-	-								
					Middle	4.6	0.3	355	29.0	7.9	7.9	20.4	20.4	73.5	73.5	5.1	15.1	14	-	-	-	-	-	-	-		-	-		
						4.6	0.4	327	29.0	7.9	7.9	20.4	20.4	73.5	73.5	5.1	15.1	14	-	-	-	-	-	-	-		-	-		
					Bottom	8.1	0.3	5	28.8	7.8	7.8	21.4	21.4	74.1	74.4	5.1	15.4	15	-	-	-	-	-	-	-		-	-	-	
						8.1	0.3	5	28.8	7.8	7.8	21.4	21.4	74.6	74.6	5.1	15.4	16	-	-	-	-	-	-	-		-	-	-	
SR4A	Cloudy	Moderate	14:36	9.3	Surface	1.0	0.4	248	28.6	7.7	7.7	22.0	22.0	74.8	74.8	5.1	7.2	10	-	-	-	817185	807801	-	-	-				
						1.0	0.4	265	28.6	7.7	7.7	22.0	22.0	74.8	74.8	5.1	7.2	9	-	-	-	-								
					Middle	4.7	0.3	240	27.3	7.7	7.7	27.3	27.3	58.7	58.7	4.0	11.7	10	-	-	-	-	-	-	-		-	-		
						4.7	0.3	263	27.3	7.7	7.7	27.3	27.3	58.7	58.7	4.0	11.8	8	-	-	-	-	-	-	-		-	-		
					Bottom	8.3	0.0	238	26.9	7.6	7.6	28.8	28.8	52.7	52.7	3.6	16.0	10	-	-	-	-	-	-	-		-	-	-	
						8.3	0.0	243	26.9	7.6	7.6	28.8	28.8	52.7	52.7	3.6	16.1	12	-	-	-	-	-	-	-		-	-	-	
SR5A	Cloudy	Moderate	14:54	3.4	Surface	1.0	0.4	293	29.2	7.8	7.8	20.9	20.9	87.7	87.7	6.0	13.1	14	-	-	-	816596	810697	-	-	-				
						1.0	0.4	316	29.2	7.8	7.8	20.9	20.9	87.7	87.7	6.0	13.2	14	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
					Bottom	2.4	0.3	302	29.2	7.8	7.8	21.0	21.0	88.5	88.5	6.0	16.5	17	-	-	-	-	-	-	-		-	-	-	
						2.4	0.3	326	29.2	7.8	7.8	21.0	21.0	88.5	88.5	6.0	16.8	17	-	-	-	-	-	-	-		-	-	-	
SR6	Cloudy	Moderate	15:18	4.1	Surface	1.0	0.3	275	29.5	7.7	7.7	18.8	18.8	88.1	88.1	6.1	11.4	12	-	-	-	817914	814648	-	-	-				
						1.0	0.3	277	29.5	7.7	7.7	18.8	18.8	88.1	88.1	6.1	11.5	12	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
					Bottom	3.1	0.2	292	29.5	7.7	7.7	19.7	19.7	87.0	87.0	6.0	9.0	13	-	-	-	-	-	-	-		-	-	-	
						3.1	0.2	293	29.5	7.7	7.7	19.7	19.7	87.0	87.0	6.0	9.0	14	-	-	-	-	-	-	-		-	-	-	
SR7	Cloudy	Moderate	15:09	17.9	Surface	1.0	0.0	166	29.5	7.8	7.8	19.7	19.6	76.1	76.0	5.2	5.1	4	-	-	-	823653	823761	-	-	-				
						1.0	0.0	173	29.4	7.8	7.8	19.5	19.6	75.9	76.0	5.2	5.0	3	-	-	-	-								
					Middle	9.0	0.3	205	28.9	7.8	7.8	21.3	21.3	70.4	70.5	4.8	5.8	5	-	-	-	-	-	-	-		-	-		
						9.0	0.3	222	28.9	7.8	7.8	21.3	21.3	70.5	70.5	4.8	5.8	5	-	-	-	-	-	-	-		-	-		
					Bottom	16.9	0.2	240	28.9	7.8	7.8	21.3	21.3	70.6	70.7	4.8	5.3	7	-	-	-	-	-	-	-		-	-	-	
						16.9	0.3	240	28.9	7.8	7.8	21.3	21.3	70.7	70.7	4.8	5.3	6	-	-	-	-	-	-	-		-	-		
SR8	Cloudy	Moderate	14:08	4.3	Surface	1.0	-	-	29.2	7.8	7.8	20.0	20.0	73.3	73.3	5.0	8.9	8	-	-	-	820246	811418	-	-	-				
						1.0	-	-	29.2	7.8	7.8	20.0</																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 August 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	Value	DA
C1	Cloudy	Moderate	08:26	8.5	Surface	1.0	0.5	227	28.8	28.8	7.7	7.7	19.6	19.6	74.0	73.9	5.1	4.8	9.8	13.7	9	11	86	89	815607	804229	<0.2	2.3	2.1							
						1.0	0.6	248	28.8	28.8	7.7	7.7	19.6	19.6	73.7	73.9	5.1	4.8	9.8	13.7	9	11	86	89			<0.2	2.4								
						4.3	0.6	203	28.1	28.1	7.7	7.7	23.4	23.4	64.4	64.4	4.4	4.4	12.2	12.3	11	9	89	89			<0.2	2.1								
					4.3	0.7	206	28.1	28.1	7.7	7.7	23.4	23.4	64.4	64.4	4.4	4.4	12.3	12.3	9	9	89	89	<0.2			2.0									
					7.5	0.4	223	27.3	27.3	7.7	7.7	27.5	27.5	53.8	53.8	3.7	3.7	19.1	19.1	14	14	90	90	<0.2			2.1									
					7.5	0.4	241	27.3	27.3	7.7	7.7	27.5	27.5	53.8	53.8	3.7	3.7	19.1	19.1	14	14	90	90	<0.2			1.8									
C2	Cloudy	Moderate	08:58	12.5	Surface	1.0	0.5	171	29.6	29.6	7.7	7.7	15.5	16.2	73.2	73.3	5.1	4.8	9.9	11.5	8	7	83	86	825663	806949	<0.2	2.2	2.2							
						1.0	0.5	179	29.6	29.6	7.7	7.7	16.9	16.9	73.4	73.3	5.1	4.8	9.9	11.5	8	7	84	86			<0.2	2.3								
						6.3	0.3	180	29.4	29.4	7.7	7.7	19.6	19.6	64.8	64.8	4.5	4.5	9.3	9.5	8	7	86	86			<0.2	2.1								
					6.3	0.3	195	29.3	29.3	7.7	7.7	19.6	19.6	64.8	64.8	4.5	4.5	9.5	9.5	7	7	86	90	<0.2			2.2									
					11.5	0.2	141	29.1	29.1	7.7	7.7	20.7	20.7	64.3	64.3	4.4	4.4	15.3	15.3	7	7	90	90	<0.2			2.2									
					11.5	0.2	142	29.1	29.1	7.7	7.7	20.7	20.7	64.3	64.3	4.4	4.4	15.3	15.3	8	8	90	90	<0.2			2.1									
C3	Rainy	Moderate	07:00	12.1	Surface	1.0	0.3	126	29.2	29.3	7.8	7.8	19.5	19.5	71.8	71.8	4.9	4.7	5.2	6.9	3	4	90	85	822124	817815	<0.2	2.1	1.7							
						1.0	0.3	126	29.3	29.3	7.8	7.8	19.5	19.5	71.8	71.8	4.9	4.7	5.3	6.9	3	4	85	83			<0.2	1.9								
						6.1	0.0	113	28.8	28.8	7.8	7.8	21.7	21.7	65.1	65.1	4.5	4.5	6.4	6.9	4	4	83	84			<0.2	2.0								
					6.1	0.0	121	28.8	28.8	7.8	7.8	21.7	21.7	65.0	65.1	4.5	4.5	6.9	6.9	4	4	84	90	<0.2			1.8									
					11.1	0.3	357	28.3	28.3	7.8	7.8	23.8	23.8	65.7	65.8	4.5	4.5	8.7	8.6	5	5	90	91	<0.2			1.4									
					11.1	0.3	359	28.3	28.3	7.8	7.8	23.7	23.8	65.9	65.8	4.5	4.5	8.6	8.6	6	6	91	91	<0.2			1.2									
IM1	Cloudy	Moderate	08:42	7.8	Surface	1.0	0.6	186	29.0	29.0	7.7	7.7	19.4	19.4	82.7	82.7	5.7	5.6	5.8	10.7	6	6	86	85	818354	806455	<0.2	1.8	1.9							
						1.0	0.6	193	29.0	29.0	7.7	7.7	19.4	19.4	82.7	82.7	5.7	5.6	5.8	10.7	5	6	85	89			<0.2	2.2								
						3.9	0.5	171	29.0	29.0	7.7	7.7	19.6	19.6	79.1	79.1	5.5	5.5	6.6	6.6	7	7	89	88			<0.2	1.8								
					3.9	0.5	177	29.0	29.0	7.7	7.7	19.6	19.6	79.1	79.1	5.5	5.5	6.6	6.6	6	6	89	90	<0.2			2.0									
					6.8	0.3	164	28.7	28.7	7.7	7.7	21.3	21.3	74.6	74.6	5.1	5.1	19.6	19.6	5	5	90	90	<0.2			1.8									
					6.8	0.3	166	28.7	28.7	7.7	7.7	21.3	21.3	74.6	74.6	5.1	5.1	19.6	19.6	5	5	90	90	<0.2			1.7									
IM2	Cloudy	Moderate	08:48	8.8	Surface	1.0	0.5	203	29.0	29.0	7.7	7.7	19.2	19.2	79.9	79.9	5.5	5.3	5.4	10.2	5	7	85	88	818835	806178	<0.2	2.2	2.0							
						1.0	0.6	212	29.0	29.0	7.7	7.7	19.2	19.2	79.9	79.9	5.5	5.3	5.4	10.2	6	7	85	88			<0.2	2.3								
						4.4	0.6	188	28.9	28.9	7.8	7.8	20.4	20.4	75.5	74.9	5.2	5.1	7.9	7.9	6	5	88	88			<0.2	1.8								
					4.4	0.6	193	28.9	28.9	7.8	7.8	20.4	20.4	74.2	74.9	5.1	5.1	7.9	7.9	5	5	88	90	<0.2			1.9									
					7.8	0.2	155	28.4	28.4	7.7	7.7	22.9	22.9	66.8	66.8	4.6	4.6	17.2	17.2	9	9	90	91	<0.2			1.8									
					7.8	0.2	161	28.4	28.4	7.7	7.7	22.9	22.9	66.8	66.8	4.6	4.6	17.3	17.3	9	9	91	91	<0.2			1.7									
IM3	Cloudy	Moderate	08:56	9.1	Surface	1.0	0.3	211	29.0	29.0	7.7	7.7	19.1	19.1	80.8	80.8	5.6	5.3	5.6	9.6	6	7	87	86	819404	806008	<0.2	1.8	1.7							
						1.0	0.3	221	29.0	29.0	7.7	7.7	19.1	19.1	80.8	80.8	5.6	5.3	5.6	9.6	4	7	86	89			<0.2	1.8								
						4.6	0.5	194	29.0	29.0	7.8	7.8	20.2	20.2	72.4	72.3	5.0	5.0	7.5	7.5	5	5	89	88			<0.2	1.8								
					4.6	0.5	206	29.0	29.0	7.8	7.8	20.2	20.2	72.2	72.3	5.0	5.0	7.5	7.5	5	5	88	91	<0.2			1.8									
					8.1	0.3	203	27.9	27.9	7.7	7.7	25.2	25.2	58.7	58.7	4.0	4.0	15.5	15.5	12	12	91	91	<0.2			1.5									
					8.1	0.3	220	27.9	27.9	7.7	7.7	25.2	25.2	58.7	58.7	4.0	4.0	15.6	15.6	11	11	90	90	<0.2			1.4									
IM4	Cloudy	Moderate	09:04	8.5	Surface	1.0	0.3	202	29.0	29.0	7.7	7.7	19.4	19.4	82.7	82.7	5.7	5.7	5.5	8.8	5	6	86	85	819585	805025	<0.2	1.8	1.7							
						1.0	0.3	214	29.0	29.0	7.7	7.7	19.4	19.4	82.7	82.7	5.7	5.7	5.5	8.8	4	6	85	88			<0.2	1.8								
						4.3	0.5	195	28.9	28.9	7.7	7.7	19.4	19.4	80.4	80.4	5.6	5.6	7.1	7.1	4	4	88	88			<0.2	1.9								
					4.3	0.5	209	28.9	28.9	7.7	7.7	19.4	19.4	80.4	80.4	5.6	5.6	7.1	7.1	4	4	88	88	<0.2			1.9									
					7.5	0.4	173	27.8	27.8	7.7	7.7	25.6	25.6	56.5	56.5	3.9	3.9	14.0	14.0	11	11	90	91	<0.2			1.4									
					7.5	0.4	177	27.8	27.8	7.7	7.7	25.6	25.6	56.5	56.5	3.9	3.9	13.6	13.6	10	10	90	90	<0.2			1.6									
IM5	Cloudy	Moderate	09:15	7.5	Surface	1.0	0.5	202	29.0	29.0	7.7	7.7	18.9	18.9	82.6	82.6	5.7	5.4	5.7	10.3	5	12	86	86	820582	804906	<0.2	1.9	1.7							
						1.0	0.5	202	29.0	29.0	7.7	7.7	18.9	18.9	82.6	82.6	5.7	5.4	5.7	10.3	6	12	86	89			<0.2	2.2								
						3.8	0.5	190	29.0	29.0	7.7	7.7	20.0	20.0	74.1	74.1	5.1	5.1	10.2	10.4	8	8	89	89			<0.2	1.7								
					3.8	0.5	207	29.0	29.0	7.7	7.7	19.9	20.0	74.0	74.1	5.1	5.1	10.4	10.4	8	8	89	91	<0.2			1.6									
					6.5	0.4	171	27.9	27.9	7.7	7.7	24.8	24.8	62.9	63.0	4.3	4.3	14.8	14.9	23	23	91	91	<0.2			1.5									
					6.5	0.4	178	27.9	27.9	7.7	7.7	24.8	24.8	63.1	63.0	4.3	4.3	14.9	14.9	23	23	91	91	<0.2			1.5									
IM6	Cloudy	Moderate	09:23	7.4	Surface	1.0	0.3	195	29.0	29.0	7.7	7.7	19.7	19.7	75.5	75.5	5.2	5.1	8.3	11.9	8	10	85	88	821049	805835	<0.2	1.8	1.9							
						1.0	0.3	204	29.0	29.0	7.7	7.7	19.7	19.7	75.5	75.5	5.2	5.1	8.3	11.9	7	10	85	88			<0.2	1.9								
						3.7	0.4	180	28.8	28.8	7.7	7.7	20.4	20.4	71.6	71.2	4.9	4.9	9.7	10.5	8	8	88	89			<0.2	2.2								
					3.7	0.4	188	28.8	28.8	7.7	7.7	20.4	20.4	70.7	71.2	4.9	4.9	10.5	10.5	8	8	89	91	<0.2			1.7									
					6.4	0.3	169	28.5	28.5	7.7	7.7	22.3	22.3	66.3	66.3	4.6	4.6	17.2	17.2	12	12	91														

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 August 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					
																																					Value	DA	Value	DA	Value
IM9	Cloudy	Moderate	08:23	7.5	Surface	1.0	0.6	131	29.6	7.8	7.8	17.0	17.0	75.4	75.4	5.2	5.2	8.4	8.4	8	8	87	87	822083	808817	88	822083	808817	<0.2	2.1	<0.2	2.0									
						1.0	0.6	132	29.6	7.8	7.8	17.0	17.0	75.3	75.4	5.2	5.2	8.5	8.5	6	6	87	87						<0.2	1.9	<0.2	2.0									
					Middle	3.8	0.4	139	29.6	7.8	7.8	17.4	17.4	73.3	73.3	5.1	5.1	9.4	9.4	9	9	83	83						88	822083	808817	<0.2	2.4	<0.2	2.1						
						3.8	0.5	149	29.6	7.8	7.8	17.4	17.4	73.2	73.3	5.1	5.1	9.5	9.5	8	8	85	85									<0.2	2.0	<0.2	2.0						
					Bottom	6.5	0.3	145	29.5	7.8	7.8	17.8	17.8	72.1	72.1	5.0	5.0	12.2	12.2	11	11	92	92									88	822083	808817	<0.2	2.1	<0.2	2.0			
						6.5	0.3	145	29.5	7.8	7.8	17.8	17.8	72.4	72.3	5.0	5.0	12.6	12.6	11	11	92	92												<0.2	2.0	<0.2	2.0			
IM10	Cloudy	Moderate	08:14	7.5	Surface	1.0	0.8	121	29.6	7.8	7.8	17.1	17.1	75.3	75.2	5.2	5.2	6.7	6.7	6	6	85	85	822233	809820	88	822233	809820							<0.2	2.0	<0.2	1.9			
						1.0	0.8	127	29.6	7.8	7.8	17.1	17.1	75.0	75.2	5.2	5.2	6.8	6.8	6	6	85	85												<0.2	1.9	<0.2	1.9			
					Middle	3.8	0.6	114	29.5	7.8	7.8	18.2	18.2	73.6	73.6	5.1	5.1	8.0	8.0	6	6	86	86						88	822233	809820				<0.2	2.1	<0.2	2.1			
						3.8	0.6	124	29.5	7.8	7.8	18.2	18.2	73.6	73.6	5.1	5.1	8.0	8.0	6	6	87	87												<0.2	2.1	<0.2	2.0			
					Bottom	6.5	0.4	115	29.2	7.8	7.8	20.0	20.0	69.6	69.6	4.8	4.8	9.4	9.4	15	15	91	91									88	822233	809820	<0.2	2.0	<0.2	1.9			
						6.5	0.4	119	29.2	7.8	7.8	20.0	20.0	69.9	69.8	4.8	4.8	9.3	9.3	15	15	92	92												<0.2	1.9	<0.2	1.9			
IM11	Rainy	Moderate	08:01	8.1	Surface	1.0	0.6	119	29.4	7.8	7.8	17.6	17.6	74.0	74.0	5.1	5.1	6.6	6.6	6	6	81	81	821511	810531	84	821511	810531							<0.2	2.2	<0.2	2.2			
						1.0	0.6	128	29.4	7.8	7.8	17.6	17.6	73.9	74.0	5.1	5.1	6.7	6.7	5	5	86	86												<0.2	2.2	<0.2	2.2			
					Middle	4.1	0.5	111	29.4	7.8	7.8	18.8	18.8	73.2	73.3	5.1	5.1	7.6	7.6	6	6	81	81						88	821511	810531				<0.2	1.9	<0.2	1.9			
						4.1	0.5	117	29.4	7.8	7.8	18.8	18.8	73.2	73.3	5.0	5.0	8.0	8.0	6	6	81	81												<0.2	2.4	<0.2	2.1			
					Bottom	7.1	0.3	105	29.0	7.8	7.8	21.0	21.0	68.1	68.1	4.7	4.7	9.4	9.4	7	7	85	85									88	821511	810531	<0.2	2.3	<0.2	2.3			
						7.1	0.4	115	29.0	7.8	7.8	21.0	21.0	68.1	68.1	4.7	4.7	9.5	9.5	7	7	86	86												<0.2	2.2	<0.2	2.2			
IM12	Rainy	Moderate	07:51	8.0	Surface	1.0	0.8	103	29.4	7.8	7.8	17.9	17.9	73.8	73.8	5.1	5.1	6.8	6.8	5	5	83	83	821171	811506	86	821171	811506							<0.2	2.2	<0.2	2.2			
						1.0	0.8	110	29.4	7.8	7.8	17.9	17.9	73.7	73.8	5.1	5.1	6.8	6.8	6	6	87	87												<0.2	2.2	<0.2	2.2			
					Middle	4.0	0.7	98	29.3	7.8	7.8	19.6	19.6	72.6	72.6	5.0	5.0	7.7	7.7	5	5	84	84						88	821171	811506				<0.2	2.1	<0.2	2.1			
						4.0	0.7	101	29.3	7.8	7.8	19.6	19.6	72.5	72.6	5.0	5.0	8.2	8.2	4	4	86	86												<0.2	2.2	<0.2	2.2			
					Bottom	7.0	0.5	94	28.7	7.8	7.8	22.4	22.4	64.1	64.3	4.4	4.4	10.9	10.9	8	8	88	88									88	821171	811506	<0.2	2.2	<0.2	2.2			
						7.0	0.5	97	28.7	7.8	7.8	22.4	22.4	64.4	64.3	4.4	4.4	10.9	10.9	7	7	90	90												<0.2	2.0	<0.2	2.0			
SR2	Cloudy	Moderate	07:21	4.5	Surface	1.0	0.6	88	29.2	7.8	7.8	18.8	18.8	71.0	71.0	4.9	4.9	10.0	10.0	6	6	80	80	821451	814169	85	821451	814169							<0.2	2.1	<0.2	1.9			
						1.0	0.6	88	29.2	7.8	7.8	18.8	18.8	70.9	71.0	4.9	4.9	10.0	10.0	7	7	81	81												<0.2	2.0	<0.2	2.0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-				88	821451	814169	<0.2	2.0	<0.2	2.0
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-	-							<0.2	2.0	<0.2	2.0
					Bottom	3.5	0.5	89	29.0	7.8	7.8	20.8	20.8	68.7	69.0	4.7	4.7	15.6	15.6	12	12	88	88						88	821451	814169	<0.2	2.0	<0.2				2.0			
						3.5	0.5	92	29.1	7.8	7.8	20.7	20.8	69.2	69.0	4.7	4.7	15.6	15.6	11	11	92	92									<0.2	2.0	<0.2				2.0			
SR3	Cloudy	Moderate	08:39	9.0	Surface	1.0	0.2	191	29.6	7.8	7.8	15.8	15.8	81.2	81.2	5.7	5.7	7.2	7.2	6	6	-	-	822154	807588	-	822154	807588				-	-	-				-			
						1.0	0.2	194	29.6	7.8	7.8	15.8	15.8	81.1	81.2	5.7	5.7	7.1	7.1	6	6	-	-									-	-	-				-			
					Middle	4.5	0.2	187	29.6	7.8	7.8	16.8	16.8	76.0	76.0	5.3	5.3	12.6	12.6	8	8	-	-									-	-	88	822154	807588	<0.2	2.1	<0.2	2.1	
						4.5	0.2	201	29.6	7.8	7.8	16.8	16.8	76.0	76.0	5.3	5.3	12.4	12.4	8	8	-	-									-	-				<0.2	2.1	<0.2	2.1	
					Bottom	8.0	0.1	67	29.5	7.8	7.8	17.7	17.7	74.5	74.6	5.2	5.2	13.4	13.4	16	16	-	-						-	-	88	822154	807588				<0.2	2.0	<0.2	2.0	
						8.0	0.1	68	29.5	7.8	7.8	17.7	17.7	74.7	74.6	5.2	5.2	13.3	13.3	15	15	-	-						-	-							<0.2	2.0	<0.2	2.0	
SR4A	Cloudy	Moderate	08:03	9.3	Surface	1.0	0.1	82	28.9	7.7	7.7	20.7	20.7	79.5	79.5	5.5	5.5	10.4	10.4	15	15	-	-	817196	807824	-	817196	807824	-	-							-	-			
						1.0	0.1	90	28.9	7.7	7.7	20.7	20.7	79.5	79.5	5.5	5.5	10.3	10.3	16	16	-	-						-	-											
					Middle	4.7	0.2	65	29.0	7.7	7.7	21.1	21.1	75.7	75.7	5.2	5.2	14.1	14.1	15	15	-	-						-	-				88	817196	807824	<0.2	2.1	<0.2	2.1	
						4.7	0.3	69	29.0	7.7	7.7	21.1	21.1	75.7	75.7	5.2	5.2	14.1	14.1	15	15	-	-						-	-							<0.2	2.1	<0.2	2.1	
					Bottom	8.3	0.3	75	28.6	7.7	7.7	22.6	22.6	68.8	68.8	4.7	4.7	21.2	21.2	19	19	-	-						-	-	88	817196	807824				<0.2	2.0	<0.2	2.0	
						8.3	0.3	76	28.6	7.7	7.7	22.6	22.6	68.8	68.8	4.7	4.7	21.1	21.1	19	19	-	-						-	-							<0.2	2.0	<0.2	2.0	
SR5A	Cloudy	Moderate	07:41	3.6	Surface	1.0	0.1	336	29.2	7.7	7.7	21.1	21.1	84.0	84.0	5.7	5.7	14.5	14.5	16	16	-	-	816581	810710	-	816581	810710	-	-							-	-			
						1.0	0.1	341	29.2	7.7	7.7	21.1	21.1	84.0	84.0	5.7	5.7	14.5	14.5	15	15	-	-						-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-				-	88	816581	810710	<0.2	2.0	<0.2	2.0
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-	-				-				<0.2	2.0	<0.2	2.0
					Bottom	2.6	0.0	329	29.2	7.7	7.7	21.1	21.1	84.1	84.1	5.7	5.7	18.4	18.4	20	20	-	-						-	-	88	816581	810710	<0.2				2.0	<0.2		

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 August 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
C1	Sunny	Moderate	15:24	8.9	Surface	1.0	0.5	250	29.6	7.8	7.8	19.5	19.5	80.1	80.1	5.5	5.3	4	87	89	815634	804227	<0.2	1.8	1.9							
						1.0	0.5	266	29.6	7.8	7.8	19.5	19.5	80.1	80.1	5.5	5.3	5	86	89	<0.2	1.9										
						4.5	0.7	200	27.3	27.3	7.7	7.7	27.5	27.5	57.7	57.7	3.9	13.5	5	88	89	<0.2	1.9									
					4.5	0.7	207	27.3	27.3	7.7	7.7	27.4	27.5	57.7	57.7	3.9	13.5	6	87	89	<0.2	1.9										
					7.9	0.4	219	26.1	26.1	7.7	7.7	31.3	31.3	51.8	51.8	3.5	17.2	4	92	89	<0.2	2.0										
					7.9	0.5	226	26.1	26.1	7.7	7.7	31.3	31.3	51.8	51.8	3.5	17.3	5	92	89	<0.2	1.9										
C2	Fine	Rough	14:09	12.5	Surface	1.0	0.3	138	29.8	7.7	7.7	17.4	17.4	73.5	73.5	5.1	7.6	8	90	90	825671	806961	<0.2	2.5	2.3							
						1.0	0.4	146	29.8	29.8	7.7	7.7	17.4	17.4	73.4	73.5	5.1	7.7	7	90	90	<0.2	2.6									
						6.3	0.3	163	29.2	29.2	7.7	7.7	19.2	19.2	66.1	66.1	4.6	9.5	8	90	90	<0.2	2.2									
					6.3	0.4	177	29.2	29.2	7.7	7.7	19.2	19.2	66.1	66.1	4.6	9.4	8	91	89	<0.2	2.2										
					11.5	0.4	146	27.9	28.0	7.7	7.7	24.7	24.7	65.1	65.1	4.5	18.2	14	89	89	<0.2	2.2										
					11.5	0.5	157	28.0	28.0	7.7	7.7	24.7	24.7	65.1	65.1	4.4	18.2	14	89	89	<0.2	2.0										
C3	Fine	Moderate	15:58	12.1	Surface	1.0	0.6	116	29.3	29.3	7.8	7.8	20.7	20.7	74.9	74.8	5.1	6.0	8	89	92	822102	817788	<0.2	1.8	1.9						
						1.0	0.6	121	29.3	29.3	7.8	7.8	20.7	20.7	74.6	74.8	5.1	6.2	7	89	93	<0.2	1.9									
						6.1	0.0	154	28.6	28.6	7.8	7.8	22.8	22.8	67.6	67.5	4.6	6.0	9	93	94	<0.2	1.8									
					6.1	0.0	161	28.6	28.6	7.8	7.8	22.8	22.8	67.3	67.5	4.6	6.1	10	94	94	<0.2	1.9										
					11.1	0.4	26	28.2	28.2	7.8	7.8	23.9	23.9	64.0	64.0	4.4	9.3	8	94	94	<0.2	2.1										
					11.1	0.4	28	28.2	28.2	7.8	7.8	23.9	23.9	63.9	64.0	4.4	9.3	8	94	94	<0.2	1.9										
IM1	Sunny	Moderate	15:05	7.6	Surface	1.0	0.4	194	29.6	29.6	7.8	7.8	19.1	19.1	83.0	83.0	5.7	4.1	4	86	88	818344	806475	<0.2	2.0	1.8						
						1.0	0.4	205	29.6	29.6	7.8	7.8	19.1	19.1	83.0	83.0	5.7	4.1	3	86	88	<0.2	2.1									
						3.8	0.4	200	28.1	28.1	7.7	7.7	24.1	24.1	66.6	66.6	4.6	9.4	4	87	87	<0.2	1.8									
					3.8	0.4	203	28.1	28.1	7.7	7.7	24.1	24.1	66.6	66.6	4.6	9.4	6	87	87	<0.2	1.6										
					6.6	0.2	159	26.9	26.9	7.7	7.7	28.6	28.6	59.1	59.2	4.0	16.8	5	90	90	<0.2	1.7										
					6.6	0.2	173	26.9	26.9	7.7	7.7	28.5	28.6	59.2	59.2	4.0	16.8	4	90	90	<0.2	1.6										
IM2	Sunny	Moderate	14:59	8.7	Surface	1.0	0.4	208	29.3	29.3	7.8	7.8	19.8	19.8	82.0	81.9	5.6	4.3	3	86	88	818844	806180	<0.2	1.9	1.9						
						1.0	0.4	211	29.3	29.3	7.8	7.8	19.8	19.8	81.8	81.9	5.6	4.4	4	85	89	<0.2	1.9									
						4.4	0.3	205	28.3	28.3	7.7	7.7	23.3	23.3	68.0	68.0	4.7	10.1	3	89	88	<0.2	1.8									
					4.4	0.3	215	28.3	28.3	7.7	7.7	23.3	23.3	68.0	68.0	4.7	10.1	5	88	91	<0.2	2.1										
					7.7	0.3	172	27.3	27.3	7.7	7.7	27.4	27.4	61.1	61.2	4.2	14.9	6	91	91	<0.2	1.6										
					7.7	0.3	183	27.3	27.3	7.7	7.7	27.4	27.4	61.3	61.2	4.2	14.9	7	91	91	<0.2	1.8										
IM3	Sunny	Moderate	14:51	8.7	Surface	1.0	0.3	191	29.1	29.1	7.8	7.8	20.7	20.7	82.8	82.8	5.7	5.4	6	87	89	819391	806006	<0.2	2.0	1.9						
						1.0	0.3	191	29.1	29.1	7.8	7.8	20.7	20.7	82.7	82.8	5.7	5.4	5	86	89	<0.2	1.9									
						4.4	0.4	186	28.5	28.5	7.8	7.8	22.7	22.7	74.2	74.2	5.1	12.8	5	90	89	<0.2	1.9									
					4.4	0.4	203	28.5	28.5	7.8	7.8	22.7	22.7	74.2	74.2	5.1	12.8	6	89	91	<0.2	2.0										
					7.7	0.2	186	27.7	27.7	7.7	7.7	26.0	26.0	64.5	64.6	4.4	15.5	7	91	91	<0.2	1.7										
					7.7	0.2	195	27.7	27.7	7.7	7.7	26.0	26.0	64.6	64.6	4.4	15.4	9	91	91	<0.2	2.0										
IM4	Sunny	Moderate	14:44	8.2	Surface	1.0	0.2	217	29.6	29.6	7.8	7.8	19.6	19.6	87.8	87.8	6.0	3.1	3	87	90	819571	805036	<0.2	2.0	2.0						
						1.0	0.2	230	29.6	29.6	7.8	7.8	19.6	19.6	87.8	87.8	6.0	3.1	4	87	90	<0.2	2.0									
						4.1	0.5	189	28.7	28.7	7.7	7.7	22.7	22.7	74.6	74.6	5.1	8.7	3	90	90	<0.2	2.0									
					4.1	0.5	189	28.7	28.7	7.7	7.7	22.7	22.7	74.6	74.6	5.1	8.8	3	90	90	<0.2	2.0										
					7.2	0.4	171	27.7	27.7	7.7	7.7	25.9	25.9	64.4	64.4	4.4	13.4	9	93	91	<0.2	1.7										
					7.2	0.4	174	27.7	27.7	7.7	7.7	25.9	25.9	64.4	64.4	4.4	13.4	9	92	91	<0.2	2.0										
IM5	Sunny	Moderate	14:33	7.4	Surface	1.0	0.3	196	29.9	29.9	7.7	7.7	18.2	18.2	79.8	79.6	5.5	7.7	4	87	89	820545	804918	<0.2	2.3	2.2						
						1.0	0.4	206	29.9	29.9	7.7	7.7	18.2	18.2	79.3	79.6	5.4	8.0	6	86	88	<0.2	2.3									
						3.7	0.4	180	28.2	28.2	7.7	7.7	23.7	23.7	66.4	66.4	4.5	14.2	4	89	88	<0.2	2.4									
					3.7	0.5	196	28.2	28.2	7.7	7.7	23.7	23.7	66.4	66.4	4.5	14.2	4	88	91	<0.2	2.1										
					6.4	0.2	164	27.7	27.7	7.7	7.7	25.9	25.9	62.1	62.1	4.2	19.9	5	91	91	<0.2	1.9										
					6.4	0.2	169	27.7	27.7	7.7	7.7	25.9	25.9	62.1	62.1	4.2	19.9	5	92	91	<0.2	2.0										
IM6	Sunny	Moderate	14:25	7.3	Surface	1.0	0.3	185	30.0	30.0	7.7	7.7	17.8	17.8	84.7	84.7	5.8	3.7	4	85	89	821070	805819	<0.2	2.2	2.1						
						1.0	0.3	200	30.0	30.0	7.7	7.7	17.8	17.8	84.7	84.7	5.8	3.7	3	86	90	<0.2	2.1									
						3.7	0.2	144	28.5	28.5	7.7	7.7	22.8	22.8	74.1	74.1	5.1	7.0	4	90	90	<0.2	2.2									
					3.7	0.2	145	28.5	28.5	7.7	7.7	22.8	22.8	74.1	74.1	5.1	7.0	4	90	90	<0.2	2.1										
					6.3	0.2	154	27.9	27.9	7.7	7.7	24.9	24.9	66.4	66.4	4.5	14.8	4	92	90	<0.2	2.0										
					6.3	0.2	154	27.9	27.9	7.7	7.7	24.9	24.9	66.4	66.4	4.5	14.9	6	92	90	<0.2	2.0										
IM7	Sunny	Moderate	14:16	8.8	Surface	1.0	0.3	123	30.0	30.0	7.7	7.7	18.0	18.0	87.9	87.9	6.0	3.3	4	86	89	821332	806851	<0.2	2.7	2.7						
						1.0	0.4	135	30.0	30.0	7.7	7.7	18.0	18.0	87.9	87.9	6.0	3.3	4	86	90	<0.2	2.8									
						4.4	0.2	113	28.9	28.9	7.6	7.6	21.6	21.6	76.5	76.5	5.2	6.5	3	90	90	<0.2	2.9									
					4.4	0.2	113	28.9	28.9	7.6	7.6	21.6	21.6	76.5	76.5	5.2	6.5	3	90	92	<0.2	2.8										
					7.8	0.2	50	28.0	28.0	7.6	7.6	24.9	24.9	66.1	66.1	4.5	13.7	4	92	91	<0.2	2.5										
					7.8	0.3	51	28.0	28.0	7.6	7.6	24.9	24.9	66.1	66.1	4.5	13.7	4	91	91	<0.2	2.3										
IM8	Fine	Rough	14:36	8.6	Surface	1.0	0.3	146	30.0	30.0	7.8	7.8	17.9	17																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 August 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	Fine	Rough	14:44	7.5	Surface	1.0	0.5	131	30.0			7.6	7.8	17.6	17.6	77.0	76.9	5.3		5.5		6	89	92	822084	808798	<0.2	2.4	2.1							
						1.0	0.5	133	30.0	30.0	7.8	7.8	17.6	17.6	76.7	76.9	5.3		5.6		6	89	92	89	92	<0.2	2.3									
						3.8	0.4	142	29.0	29.0	7.7	7.7	20.0	20.0	66.8	66.9	4.6		10.7		6	92	92	92	92	<0.2	2.2									
					3.8	0.5	155	29.0	29.0	7.7	7.7	20.0	20.0	66.9	66.9	4.6		10.8		7	92	92	92	92	<0.2	2.2										
					6.5	0.4	88	28.7	28.7	7.8	7.8	22.2	22.2	69.0	69.3	4.7		11.6		14	94	92	92	92	<0.2	1.7										
					6.5	0.4	95	28.7	28.7	7.8	7.8	22.1	22.2	69.6	69.3	4.8	4.8	11.6		13	95	92	92	92	<0.2	2.0										
IM10	Fine	Moderate	14:52	7.2	Surface	1.0	0.7	131	30.0	30.0	7.8	7.8	17.7	17.7	81.6	81.6	5.6		4.3		4	87	91	822242	809841	<0.2	2.3	2.2								
						1.0	0.7	131	30.0	29.8	7.8	7.8	17.7	17.7	81.6	81.6	5.6		4.4		6	87	91	91	91	<0.2	2.3									
						3.6	0.4	117	29.8	29.8	7.8	7.8	17.9	17.9	77.0	77.0	5.3		4.8		5	87	91	91	91	<0.2	2.3									
					3.6	0.5	122	29.7	29.8	7.8	7.8	17.9	17.9	76.9	77.0	5.3		4.9		7	92	92	92	92	<0.2	2.2										
					6.2	0.3	96	28.9	28.9	7.8	7.8	21.0	21.0	70.5	70.5	4.8		12.3		10	93	92	92	92	<0.2	2.0										
					6.2	0.3	100	28.9	28.9	7.8	7.8	21.0	21.0	71.4	71.0	4.9	4.9	12.3		12	94	92	92	92	<0.2	2.0										
IM11	Fine	Moderate	15:02	8.0	Surface	1.0	0.6	110	29.9	29.9	7.8	7.8	17.5	17.5	75.3	75.3	5.2		5.8		4	89	92	821493	810556	<0.2	2.5	2.2								
						1.0	0.7	115	29.9	29.9	7.8	7.8	17.5	17.5	75.2	75.3	5.2		5.8		5	89	93	92	92	<0.2	2.2									
						4.0	0.5	101	29.3	29.3	7.8	7.8	19.9	19.9	73.1	73.1	5.0		10.9		8	93	92	92	92	<0.2	2.3									
					4.0	0.5	101	29.3	29.3	7.8	7.8	19.9	19.9	73.1	73.1	5.0		11.0		6	93	92	92	92	<0.2	2.3										
					7.0	0.3	100	29.3	29.3	8.0	8.0	20.3	20.3	76.5	76.6	5.2		11.1		13	92	92	92	92	<0.2	2.1										
					7.0	0.3	109	29.3	29.3	8.0	8.0	20.3	20.3	76.7	76.6	5.3	5.3	11.2		14	92	92	92	92	<0.2	2.0										
IM12	Fine	Moderate	15:10	7.7	Surface	1.0	0.8	111	30.0	30.0	7.8	7.8	17.6	17.6	78.2	78.2	5.4		6.6		8	85	90	821146	811524	<0.2	2.4	2.2								
						1.0	0.9	114	30.0	29.6	7.8	7.8	17.6	17.6	78.2	78.2	5.4		6.9		8	85	91	91	91	<0.2	2.3									
						3.9	0.6	101	29.6	29.6	7.9	7.9	19.0	19.1	79.9	80.0	5.5		11.2		6	91	92	92	92	<0.2	2.1									
					3.9	0.6	102	29.6	29.6	7.9	7.9	19.2	19.1	80.0	80.0	5.5		11.2		7	92	92	92	92	<0.2	2.2										
					6.7	0.4	83	29.4	29.4	7.9	7.9	20.2	20.2	80.9	81.0	5.5	5.5	12.2		24	92	92	92	92	<0.2	2.1										
					6.7	0.5	85	29.4	29.4	7.9	7.9	20.2	20.2	81.0	81.0	5.5	5.5	12.3		25	93	92	92	92	<0.2	1.9										
SR2	Fine	Moderate	15:38	3.8	Surface	1.0	0.7	78	30.1	30.1	7.8	7.8	17.3	17.4	79.7	79.6	5.5		6.4		7	86	90	821446	814183	<0.2	2.3	2.3								
						1.0	0.7	82	30.0	29.4	7.8	7.8	17.4	17.4	79.5	79.6	5.5		6.4		7	86	90	90	90	<0.2	2.2									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-				
					2.8	0.5	67	29.4	29.4	7.8	7.8	19.9	19.9	81.4	81.5	5.6		13.2		7	93	92	92	92	<0.2	2.3										
					2.8	0.5	67	29.4	29.4	7.8	7.8	19.9	19.9	81.5	81.5	5.6	5.6	13.1		7	94	92	92	92	<0.2	2.5										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-				
SR3	Fine	Rough	14:30	8.9	Surface	1.0	0.2	145	29.8	29.8	7.8	7.8	18.1	18.1	76.2	76.1	5.2		5.8		6	-	-	822139	807567	-	-	-								
						1.0	0.2	147	29.8	28.9	7.8	7.8	18.1	18.1	75.9	76.1	5.2		5.8		7	-	-	-	-	-	-		-							
						4.5	0.2	188	28.9	28.9	7.8	7.8	21.2	21.2	65.2	65.2	4.5		8.8		7	-	-	-	-	-	-		-							
					4.5	0.2	201	28.9	28.6	7.8	7.8	21.1	21.1	65.1	65.1	4.5		8.8		7	-	-	-	-	-	-	-		-							
					7.9	0.1	63	28.6	28.6	7.8	7.8	22.5	22.5	70.1	69.8	4.8	4.8	10.3		16	-	-	-	-	-	-	-									
					7.9	0.1	65	28.6	28.6	7.8	7.8	22.5	22.5	69.5	69.8	4.8	4.8	10.3		15	-	-	-	-	-	-	-									
SR4A	Sunny	Moderate	15:46	9.1	Surface	1.0	0.1	351	29.4	29.4	7.8	7.8	20.2	20.2	80.8	80.8	5.5		9.0		6	-	-	-	-	-	-	-								
						1.0	0.1	323	29.4	27.1	7.7	7.7	20.2	20.2	80.8	80.8	5.5		9.0		7	-	-	-	-	-	-	-								
						4.6	0.4	60	27.1	27.1	7.7	7.7	28.0	28.0	58.4	58.4	4.0		13.7		7	-	-	-	-	-	-	-								
					4.6	0.4	65	27.1	26.9	7.7	7.7	28.0	28.0	58.4	59.4	4.0	4.0	13.6		6	-	-	-	-	-	-	-									
					8.1	0.2	49	26.9	26.9	7.7	7.7	28.7	28.7	59.4	59.4	4.0	4.0	20.2		6	-	-	-	-	-	-	-									
					8.1	0.2	51	26.9	26.9	7.7	7.7	28.7	28.7	59.4	59.4	4.0	4.0	20.3		7	-	-	-	-	-	-	-									
SR5A	Sunny	Moderate	16:03	4.4	Surface	1.0	0.1	348	29.9	29.9	7.8	7.8	21.5	21.5	87.5	87.5	5.9		9.6		11	-	-	816583	810703	-	-	-								
						1.0	0.1	320	29.8	29.6	7.8	7.8	21.5	21.5	87.4	87.3	5.9		9.6		12	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
					3.4	0.1	23	29.6	29.6	7.8	7.8	21.5	21.5	87.3	87.3	5.9	5.9	11.3		12	-	-	-	-	-	-										
					3.4	0.1	23	29.6	29.6	7.8	7.8	21.5	21.5	87.3	87.3	5.9	5.9	11.4		11	-	-	-	-	-	-										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR6	Sunny	Moderate	16:27	4.2	Surface	1.0	0.1	138	30.0	30.0	7.7	7.7	20.2	20.2	89.4	89.4	6.1		6.1		7	-	-	-	-	-	-									
						1.0	0.1	143	30.0	29.1	7.7	7.7	20.2	20.2	89.3	89.4	6.0		6.1		7	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					3.2	0.1	103	29.1	29.1	7.6	7.6	21.5	21.5	77.9	77.9	5.3		9.9		8	-	-	-	-	-	-										
					3.2	0.1	108	29.1	29.1	7.6	7.6	21.5	21.5	77.9	77.9	5.3	5.3	9.9		6	-	-	-	-	-	-										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
SR7	Fine	Moderate	16:29	19.6	Surface	1.0	0.6	93	29.6	29.6	7.8	7.8	19.7	19.7	78.4	78.3	5.4		3.4		4	-	-	823643	823751	-	-	-								
						1.0	0.7	96	29.5	29.2	7.8	7.8	19.7	19.7	78.2	78.3	5.3		3.5		4	-	-	-	-	-										
						9.8	0.3	94	29.2	29.2	7																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 August 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	Value	DA
C1	Sunny	Moderate	09:41	9.0	Surface	1.0	0.5	23	29.1	7.7	7.7	19.0	19.0	80.1	80.1	5.5	5.3	4.7	8.8	5	6	87	90	815635	804258	<0.2	<0.2	2.2	2.1							
						1.0	0.5	24	29.1	7.7	7.7	19.0	19.0	80.1	80.1	5.5	5.3	4.7	8.8	5	6	87	90	815635	804258	<0.2	<0.2	2.0	2.1							
						4.5	0.4	25	28.6	7.7	7.7	21.1	21.1	73.9	73.9	5.1	5.1	7.0	8.8	6	7	89	89	815635	804258	<0.2	<0.2	2.0	2.0							
					4.5	0.5	26	28.6	7.7	7.7	21.1	21.1	73.9	73.9	5.1	5.1	7.0	8.8	6	7	89	89	815635	804258	<0.2	<0.2	2.0	2.0								
					8.0	0.3	23	27.2	7.7	7.7	27.9	27.9	59.0	59.0	4.0	4.0	14.7	8.8	6	7	93	90	815635	804258	<0.2	<0.2	2.0	2.0								
					8.0	0.3	23	27.2	7.7	7.7	27.9	27.9	59.1	59.1	4.0	4.0	14.9	8.8	6	7	92	90	815635	804258	<0.2	<0.2	2.0	2.0								
C2	Sunny	Moderate	10:46	12.3	Surface	1.0	0.5	27	29.8	7.7	7.7	15.5	15.5	74.0	74.0	5.2	4.7	12.4	9	8	9	89	90	825665	806940	<0.2	<0.2	2.1	2.2							
						1.0	0.6	28	29.8	7.7	7.7	15.5	15.5	73.9	74.0	5.1	4.7	12.4	9	6	9	90	90	825665	806940	<0.2	<0.2	2.2	2.2							
						6.2	0.6	69	29.0	7.7	7.7	20.3	20.4	62.5	62.4	4.3	4.3	8.4	12.4	7	8	90	90	825665	806940	<0.2	<0.2	2.1	2.2							
					6.2	0.6	75	29.0	7.7	7.7	20.4	20.4	62.3	62.3	4.3	4.3	8.4	12.4	8	8	91	89	825665	806940	<0.2	<0.2	2.2	2.4								
					11.3	1.1	95	28.7	7.7	7.7	21.7	21.8	58.5	58.6	4.0	4.0	21.9	12.4	12	10	89	90	825665	806940	<0.2	<0.2	2.4	2.4								
					11.3	1.1	100	28.6	7.7	7.7	21.8	21.8	58.6	58.6	4.0	4.0	21.7	12.4	10	10	90	90	825665	806940	<0.2	<0.2	2.4	2.4								
C3	Cloudy	Moderate	08:45	11.9	Surface	1.0	0.5	263	29.2	7.8	7.8	19.2	19.2	70.6	70.6	4.9	4.7	4.4	10	6	10	88	92	822117	817788	<0.2	<0.2	2.0	1.6							
						1.0	0.5	284	29.2	7.8	7.8	19.2	19.2	70.5	70.6	4.9	4.7	4.5	10	7	10	89	92	822117	817788	<0.2	<0.2	2.0	1.6							
						6.0	0.4	210	28.7	7.8	7.8	21.5	21.5	65.3	65.3	4.5	4.5	5.7	8.0	6	10	93	92	822117	817788	<0.2	<0.2	1.6	1.6							
					6.0	0.4	210	28.7	7.8	7.8	21.5	21.5	65.2	65.3	4.5	4.5	5.7	8.0	7	10	93	92	822117	817788	<0.2	<0.2	1.6	1.6								
					10.9	0.3	222	27.7	7.8	7.8	25.3	25.3	61.8	62.3	4.2	4.3	14.3	8.0	17	10	94	92	822117	817788	<0.2	<0.2	1.2	1.3								
					10.9	0.3	237	27.7	7.8	7.8	25.3	25.3	62.7	62.3	4.2	4.3	13.5	8.0	18	10	95	92	822117	817788	<0.2	<0.2	1.3	1.3								
IM1	Sunny	Moderate	09:57	7.8	Surface	1.0	0.6	16	29.1	7.7	7.7	19.4	19.4	75.4	75.4	5.2	5.1	5.0	7	6	7	87	89	818368	806440	<0.2	<0.2	1.9	2.0							
						1.0	0.7	16	29.1	7.7	7.7	19.4	19.4	75.4	75.4	5.2	5.1	5.0	7	8	7	87	89	818368	806440	<0.2	<0.2	2.1	2.0							
						3.9	0.6	14	28.8	7.7	7.7	20.7	20.7	72.2	72.2	5.0	5.1	11.1	11.5	7	7	88	89	818368	806440	<0.2	<0.2	1.8	1.8							
					3.9	0.6	14	28.8	7.7	7.7	20.7	20.7	72.1	72.2	5.0	5.1	11.3	11.5	6	7	88	89	818368	806440	<0.2	<0.2	2.0	1.8								
					6.8	0.5	353	28.4	7.7	7.7	22.7	22.7	70.8	70.8	4.9	4.9	18.3	11.5	7	7	91	89	818368	806440	<0.2	<0.2	2.0	1.9								
					6.8	0.5	325	28.4	7.7	7.7	22.7	22.7	70.8	70.8	4.9	4.9	18.2	11.5	7	7	92	89	818368	806440	<0.2	<0.2	1.9	1.9								
IM2	Sunny	Moderate	10:02	8.8	Surface	1.0	0.6	39	29.1	7.7	7.7	19.2	19.2	75.4	75.4	5.2	5.0	5.1	7	5	7	86	89	818840	806189	<0.2	<0.2	2.1	2.0							
						1.0	0.6	42	29.1	7.7	7.7	19.2	19.2	75.4	75.4	5.2	5.0	5.1	7	6	7	86	89	818840	806189	<0.2	<0.2	1.9	2.0							
						4.4	0.6	30	28.6	7.7	7.7	21.9	21.9	69.6	69.6	4.8	4.8	12.8	12.2	7	7	90	89	818840	806189	<0.2	<0.2	2.0	2.0							
					4.4	0.6	31	28.6	7.7	7.7	21.9	21.9	69.6	69.6	4.8	4.8	12.8	12.2	8	7	89	89	818840	806189	<0.2	<0.2	2.0	2.0								
					7.8	0.5	22	28.2	7.7	7.7	23.9	23.9	66.6	66.7	4.6	4.6	18.7	12.2	7	7	91	89	818840	806189	<0.2	<0.2	1.8	1.9								
					7.8	0.5	24	28.2	7.7	7.7	23.8	23.8	66.7	66.7	4.6	4.6	18.6	12.2	6	7	92	89	818840	806189	<0.2	<0.2	1.9	1.9								
IM3	Sunny	Moderate	10:09	9.0	Surface	1.0	0.6	19	29.5	7.7	7.7	18.4	18.4	78.2	78.2	5.4	5.0	5.1	4	4	4	88	90	819421	806025	<0.2	<0.2	2.2	2.1							
						1.0	0.6	20	29.5	7.7	7.7	18.4	18.4	78.2	78.2	5.4	5.0	5.1	4	3	4	87	90	819421	806025	<0.2	<0.2	2.1	2.1							
						4.5	0.7	17	28.4	7.7	7.7	22.6	22.6	67.6	67.6	4.6	4.6	9.4	10.0	5	4	90	90	819421	806025	<0.2	<0.2	2.1	2.2							
					4.5	0.7	17	28.4	7.7	7.7	22.6	22.6	67.6	67.6	4.6	4.6	9.4	10.0	4	4	90	90	819421	806025	<0.2	<0.2	2.2	2.2								
					8.0	0.5	18	27.6	7.7	7.7	26.3	26.3	60.8	60.8	4.1	4.1	15.4	10.0	4	4	92	90	819421	806025	<0.2	<0.2	2.0	2.0								
					8.0	0.5	19	27.6	7.7	7.7	26.3	26.3	60.8	60.8	4.1	4.1	15.8	10.0	3	4	93	90	819421	806025	<0.2	<0.2	2.1	2.1								
IM4	Sunny	Moderate	10:17	8.3	Surface	1.0	0.5	17	29.5	7.7	7.7	17.3	17.3	80.9	80.9	5.6	5.3	5.0	9	5	4	88	91	819564	805028	<0.2	<0.2	2.6	2.4							
						1.0	0.6	18	29.5	7.7	7.7	17.3	17.3	80.9	80.9	5.6	5.3	5.0	9	4	4	87	91	819564	805028	<0.2	<0.2	2.4	2.4							
						4.2	0.7	18	28.6	7.7	7.7	21.0	21.0	71.3	71.2	4.9	4.9	9.0	9.3	4	4	91	91	819564	805028	<0.2	<0.2	2.1	2.1							
					4.2	0.7	19	28.6	7.7	7.7	21.0	21.0	71.1	71.2	4.9	4.9	9.2	9.3	5	4	91	91	819564	805028	<0.2	<0.2	2.4	2.4								
					7.3	0.5	356	27.5	7.7	7.7	26.7	26.7	59.3	59.3	4.0	4.0	13.7	9.3	4	4	94	91	819564	805028	<0.2	<0.2	2.1	2.1								
					7.3	0.5	328	27.5	7.7	7.7	26.7	26.7	59.3	59.3	4.0	4.0	13.7	9.3	4	4	93	91	819564	805028	<0.2	<0.2	2.2	2.2								
IM5	Sunny	Moderate	10:27	7.3	Surface	1.0	0.6	15	29.5	7.7	7.7	18.1	18.1	80.7	80.7	5.6	5.3	4.5	12.2	5	4	87	90	820544	804927	<0.2	<0.2	2.4	2.3							
						1.0	0.6	16	29.5	7.7	7.7	18.1	18.1	80.7	80.7	5.6	5.3	4.5	12.2	4	4	87	90	820544	804927	<0.2	<0.2	2.4	2.3							
						3.7	0.6	6	28.9	7.7	7.7	19.9	19.9	70.3	70.3	4.9	4.9	14.4	12.2	4	4	90	90	820544	804927	<0.2	<0.2	2.3	2.3							
					3.7	0.6	6	28.9	7.7	7.7	19.9	19.9	70.3	70.3	4.9	4.9	14.4	12.2	4	4	90	90	820544	804927	<0.2	<0.2	2.4	2.4								
					6.3	0.4	7	27.5	7.7	7.7	26.6	26.6	62.0	62.1	4.2	4.2	17.9	12.2	3	4	93	90	820544	804927	<0.2	<0.2	2.2	2.2								
					6.3	0.5	7	27.5	7.7	7.7	26.6	26.6																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 August 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
IM9	Sunny	Moderate	10:09	7.6	Surface	1.0	0.4	23	29.7	7.8	7.8	15.0	15.0	78.2	78.1	5.5	5.3	8.3	12.9	6	8	89	93	822106	808819	<0.2	<0.2	2.2	2.3						
						1.0	0.4	24	29.7	7.8	7.8	14.9	15.0	78.0	78.1	5.5	5.3	8.3	12.9	4	8	89	93	822106	808819	<0.2	<0.2	2.6	2.3						
					Middle	3.8	0.3	10	29.5	29.5	7.8	7.8	17.0	17.0	72.4	72.4	5.0	5.0	9.9	11.6	6	9	92	92	822106	808819	<0.2	<0.2	2.6	2.3					
						3.8	0.3	10	29.5	29.5	7.8	7.8	17.0	17.0	72.4	72.4	5.0	5.0	9.9	11.6	8	9	93	92	822106	808819	<0.2	<0.2	2.4	2.3					
					Bottom	6.6	0.2	338	29.3	29.3	7.8	7.8	18.3	18.3	75.4	75.5	5.2	5.2	20.4	20.6	12	11	97	97	822106	808819	<0.2	<0.2	1.8	1.9					
						6.6	0.2	350	29.3	29.3	7.8	7.8	18.3	18.3	75.6	75.5	5.2	5.2	20.6	20.6	11	11	97	97	822106	808819	<0.2	<0.2	1.9	1.9					
IM10	Sunny	Moderate	09:56	8.4	Surface	1.0	0.5	329	29.6	29.7	7.8	7.8	16.8	16.8	78.2	78.2	5.4	5.2	5.8	11.6	4	9	87	91	822257	809847	<0.2	<0.2	2.2	2.0					
						1.0	0.5	344	29.7	29.7	7.8	7.8	16.7	16.8	78.2	78.2	5.4	5.2	6.0	11.6	3	9	87	92	822257	809847	<0.2	<0.2	2.5	2.0					
					Middle	4.2	0.5	309	29.3	29.3	7.8	7.8	18.6	18.6	72.4	72.4	5.0	5.0	9.8	11.6	7	9	92	92	822257	809847	<0.2	<0.2	1.9	2.0					
						4.2	0.5	316	29.3	29.3	7.8	7.8	18.6	18.6	72.4	72.4	5.0	5.0	9.8	11.6	8	9	92	92	822257	809847	<0.2	<0.2	1.8	2.0					
					Bottom	7.4	0.4	325	28.8	28.8	7.8	7.8	20.9	20.9	69.2	69.2	4.8	4.8	19.1	19.3	17	16	94	94	822257	809847	<0.2	<0.2	1.8	1.8					
						7.4	0.4	355	28.8	28.8	7.8	7.8	20.9	20.9	70.1	69.7	4.8	4.8	19.3	19.3	16	16	94	94	822257	809847	<0.2	<0.2	1.8	1.8					
IM11	Sunny	Moderate	09:46	8.4	Surface	1.0	0.6	292	29.5	29.6	7.8	7.8	17.5	17.5	76.1	76.0	5.3	4.9	5.3	9.1	4	8	89	91	821499	810552	<0.2	<0.2	2.9	2.5					
						1.0	0.6	296	29.6	29.6	7.8	7.8	17.5	17.5	75.9	76.0	5.3	4.9	5.3	9.1	6	8	89	93	821499	810552	<0.2	<0.2	2.5	2.5					
					Middle	4.2	0.5	296	28.6	28.6	7.8	7.8	22.0	22.0	65.0	65.0	4.5	4.5	10.5	11.6	6	8	93	94	821499	810552	<0.2	<0.2	2.6	2.5					
						4.2	0.6	307	28.6	28.6	7.8	7.8	22.0	22.0	65.0	65.0	4.5	4.5	10.4	11.6	4	8	94	91	821499	810552	<0.2	<0.2	2.8	2.5					
					Bottom	7.4	0.3	311	28.5	28.5	7.8	7.8	22.4	22.4	64.2	64.4	4.4	4.4	11.6	11.7	16	14	91	92	821499	810552	<0.2	<0.2	1.9	2.0					
						7.4	0.3	317	28.5	28.5	7.8	7.8	22.4	22.4	64.5	64.4	4.4	4.4	11.7	11.7	14	14	92	92	821499	810552	<0.2	<0.2	2.0	2.0					
IM12	Sunny	Moderate	09:34	8.2	Surface	1.0	0.7	277	29.5	29.5	7.8	7.8	17.6	17.6	75.1	75.1	5.2	5.0	5.1	11.6	4	9	85	90	821164	811536	<0.2	<0.2	2.8	2.1					
						1.0	0.7	294	29.5	29.5	7.8	7.8	17.6	17.6	75.1	75.1	5.2	5.0	5.1	11.6	4	9	85	91	821164	811536	<0.2	<0.2	2.9	2.1					
					Middle	4.1	0.6	283	28.9	28.9	7.8	7.8	20.4	20.5	70.3	70.5	4.8	4.8	8.8	11.6	5	9	91	92	821164	811536	<0.2	<0.2	2.2	2.1					
						4.1	0.7	286	28.9	28.9	7.8	7.8	20.5	20.5	70.6	70.5	4.9	4.9	8.7	11.6	7	9	92	92	821164	811536	<0.2	<0.2	1.8	2.1					
					Bottom	7.2	0.3	293	28.4	28.4	7.8	7.8	22.8	22.8	68.2	68.3	4.7	4.7	20.8	21.0	15	16	92	92	821164	811536	<0.2	<0.2	1.4	1.4					
						7.2	0.3	304	28.4	28.4	7.8	7.8	22.8	22.8	68.4	68.3	4.7	4.7	21.0	21.0	16	16	92	92	821164	811536	<0.2	<0.2	1.4	1.4					
SR2	Cloudy	Moderate	09:06	4.6	Surface	1.0	0.1	185	29.4	29.4	7.8	7.8	18.0	18.0	73.8	73.8	5.1	5.1	5.6	8.1	4	5	86	90	821450	814162	<0.2	<0.2	1.8	2.2					
						1.0	0.1	190	29.4	29.4	7.8	7.8	18.0	18.0	73.7	73.8	5.1	5.1	5.8	8.1	4	5	86	90	821450	814162	<0.2	<0.2	2.0	2.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.6	0.2	271	28.8	28.8	7.8	7.8	20.6	20.6	72.0	72.1	5.0	5.0	10.5	10.6	7	6	93	94	821450	814162	<0.2	<0.2	2.5	2.3					
						3.6	0.3	272	28.8	28.8	7.8	7.8	20.6	20.6	72.1	72.1	5.0	5.0	10.6	10.6	6	6	94	94	821450	814162	<0.2	<0.2	2.3	2.3					
SR3	Sunny	Moderate	10:26	9.2	Surface	1.0	0.4	33	29.8	29.8	7.7	7.7	14.8	14.8	76.7	76.5	5.4	5.2	7.4	14.4	8	11	-	-	822149	807557	-	-	-	-					
						1.0	0.4	33	29.7	29.7	7.7	7.7	14.8	14.8	76.3	76.5	5.3	5.2	7.6	14.4	6	11	-	-	822149	807557	-	-	-	-					
					Middle	4.6	0.5	27	29.4	29.4	7.8	7.8	17.4	17.4	72.0	72.0	5.0	5.0	15.9	15.5	10	11	-	-	-	-	822149	807557	-	-	-	-			
						4.6	0.5	29	29.4	29.4	7.8	7.8	17.4	17.4	72.0	72.0	5.0	5.0	15.5	15.5	9	11	-	-	-	-	822149	807557	-	-	-	-			
					Bottom	8.2	0.5	83	29.2	29.2	7.7	7.7	19.3	19.3	70.8	71.7	4.9	4.9	19.8	20.3	17	18	-	-	-	-	822149	807557	-	-	-	-			
						8.2	0.5	89	29.2	29.2	7.7	7.7	19.3	19.3	72.6	72.6	5.0	5.0	20.3	20.3	18	18	-	-	-	-	822149	807557	-	-	-	-			
SR4A	Sunny	Moderate	09:17	8.9	Surface	1.0	0.4	245	28.8	28.8	7.6	7.6	21.8	21.8	73.9	73.9	5.1	5.0	11.3	15.3	12	13	-	-	817186	807809	-	-	-	-					
						1.0	0.4	256	28.8	28.8	7.6	7.6	21.8	21.8	73.9	73.9	5.1	5.0	11.3	15.3	13	13	-	-	817186	807809	-	-	-	-					
					Middle	4.5	0.3	243	28.6	28.6	7.6	7.6	22.4	22.4	69.4	69.4	4.8	4.8	17.2	17.1	13	13	-	-	-	-	817186	807809	-	-	-	-			
						4.5	0.3	249	28.6	28.6	7.6	7.6	22.4	22.4	69.3	69.4	4.8	4.8	17.1	17.1	12	13	-	-	-	-	817186	807809	-	-	-	-			
					Bottom	7.9	0.2	244	27.9	27.9	7.6	7.6	25.1	25.2	64.2	64.2	4.4	4.4	17.5	17.4	12	12	-	-	-	-	817186	807809	-	-	-	-			
						7.9	0.2	244	27.9	27.9	7.6	7.6	25.2	25.2	64.2	64.2	4.4	4.4	17.4	17.4	14	14	-	-	-	-	817186	807809	-	-	-	-			
SR5A	Sunny	Moderate	09:02	4.3	Surface	1.0	0.3	309	28.8	28.8	7.6	7.6	21.6	21.6	75.4	75.4	5.2	5.2	9.8	11.8	12	12	-	-	816577	810705	-	-	-	-					
						1.0	0.3	318	28.8	28.8	7.6	7.6	21.6	21.6	75.4	75.4	5.2	5.2	9.9	11.8	12	12	-	-	816577	810705	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.3	0.3	318	28.8	28.8	7.6	7.6	21.7	21.7	75.3	75.3	5.2	5.2	13.																

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 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	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	18:06	8.5	Surface	1.0	0.4	42	30.1	8.1	8.1	15.9	15.9	96.9	96.5	6.7	5.4	2.0	6.9	3	4	88	90	815610	804228	<0.2	<0.2	2.1	2.0			
						1.0	0.4	44	30.1	8.1	8.1	15.9	15.9	96.1	96.5	6.7	5.4	2.0	6.9	3	4	87	90	815610	804228	<0.2	<0.2	2.2	2.0			
					Middle	4.3	0.5	43	26.6	26.6	7.8	7.8	30.2	30.2	61.0	61.0	4.1	4.1	4.7	4.7	5	4	91	90	815610	804228	<0.2	<0.2	1.8	1.8		
						4.3	0.5	44	26.6	26.6	7.8	7.8	30.2	30.2	61.0	61.0	4.1	4.1	4.7	4.7	3	4	90	90	815610	804228	<0.2	<0.2	2.2	2.0		
					Bottom	7.5	0.3	34	25.4	25.4	7.7	7.7	34.4	34.4	54.9	54.9	3.7	3.7	14.0	14.0	4	4	92	92	815610	804228	<0.2	<0.2	1.8	1.8		
						7.5	0.3	34	25.4	25.4	7.7	7.7	34.4	34.4	54.9	54.9	3.7	3.7	14.0	14.0	4	4	92	92	815610	804228	<0.2	<0.2	1.9	1.9		
C2	Cloudy	Moderate	16:53	11.8	Surface	1.0	0.1	328	30.2	7.9	7.9	15.2	15.2	84.8	84.8	5.9	5.1	3.8	9.8	5	7	90	92	825664	806964	<0.2	<0.2	2.5	2.1			
						1.0	0.1	353	30.2	7.9	7.9	15.2	15.2	84.8	84.8	5.9	5.1	3.8	9.8	3	7	89	92	825664	806964	<0.2	<0.2	2.3	2.3			
					Middle	5.9	0.3	334	27.9	27.9	7.8	7.8	21.4	21.4	59.9	59.9	4.2	4.2	7.1	7.1	4	7	93	92	825664	806964	<0.2	<0.2	2.2	2.2		
						5.9	0.3	346	27.9	27.9	7.8	7.8	21.4	21.4	59.9	59.9	4.2	4.2	7.1	7.1	5	7	92	92	825664	806964	<0.2	<0.2	2.3	2.3		
					Bottom	10.8	0.7	52	26.8	26.8	7.8	7.8	28.0	28.0	52.5	52.5	3.6	3.6	18.6	18.6	12	11	94	93	825664	806964	<0.2	<0.2	1.5	1.5		
						10.8	0.7	56	26.8	26.8	7.8	7.8	28.0	28.0	52.5	52.5	3.6	3.6	18.6	18.6	11	11	93	93	825664	806964	<0.2	<0.2	1.6	1.6		
C3	Cloudy	Moderate	18:46	11.4	Surface	1.0	0.4	249	29.8	8.0	8.0	18.1	18.1	94.3	94.3	6.5	6.3	2.2	4.9	4	9	91	93	822100	817818	<0.2	<0.2	1.9	1.7			
						1.0	0.4	260	29.8	8.0	8.0	18.1	18.1	94.3	94.3	6.5	6.3	2.2	4.9	5	9	91	92	822100	817818	<0.2	<0.2	2.3	2.1			
					Middle	5.7	0.3	256	29.7	29.7	8.0	8.0	18.2	18.2	88.3	88.3	6.1	6.1	3.4	3.4	8	9	92	92	822100	817818	<0.2	<0.2	2.2	2.1		
						5.7	0.3	280	29.7	29.7	8.0	8.0	18.2	18.2	88.3	88.3	6.1	6.1	3.4	3.4	9	9	92	92	822100	817818	<0.2	<0.2	2.1	2.1		
					Bottom	10.4	0.8	329	26.5	26.5	7.9	7.9	29.1	29.1	70.5	70.5	4.8	4.8	9.2	9.2	14	15	96	95	822100	817818	<0.2	<0.2	0.9	0.9		
						10.4	0.8	347	26.5	26.5	7.9	7.9	29.1	29.1	70.5	70.5	4.8	4.8	9.2	9.2	15	15	95	95	822100	817818	<0.2	<0.2	0.9	0.9		
IM1	Sunny	Moderate	17:48	7.2	Surface	1.0	0.5	20	30.1	8.0	8.0	16.0	16.0	99.2	99.0	6.9	5.5	2.3	8.0	4	3	88	91	818365	806474	<0.2	<0.2	2.1	2.2			
						1.0	0.6	20	30.1	8.0	8.0	16.0	16.0	98.8	99.0	6.8	5.5	2.3	8.0	3	3	88	91	818365	806474	<0.2	<0.2	2.0	2.0			
					Middle	3.6	0.5	358	27.2	27.2	7.8	7.8	28.2	28.2	60.4	60.4	4.1	4.1	7.8	7.8	2	3	91	91	818365	806474	<0.2	<0.2	2.3	2.3		
						3.6	0.5	329	27.2	27.2	7.8	7.8	28.2	28.2	60.4	60.4	4.1	4.1	7.8	7.8	3	3	91	91	818365	806474	<0.2	<0.2	2.3	2.3		
					Bottom	6.2	0.3	342	26.0	26.0	7.7	7.7	32.4	32.4	55.9	56.0	3.8	3.8	13.9	13.9	3	3	93	93	818365	806474	<0.2	<0.2	2.0	2.0		
						6.2	0.4	356	26.0	26.0	7.7	7.7	32.4	32.4	56.0	56.0	3.8	3.8	14.0	14.0	2	3	93	93	818365	806474	<0.2	<0.2	2.2	2.2		
IM2	Sunny	Moderate	17:42	8.4	Surface	1.0	0.7	16	30.2	8.1	8.1	15.8	15.8	96.2	96.2	6.7	5.4	2.3	9.8	<2	2	87	89	818832	806193	<0.2	<0.2	2.2	2.3			
						1.0	0.7	17	30.2	8.1	8.1	15.8	15.8	96.2	96.2	6.7	5.4	2.3	9.8	<2	2	87	89	818832	806193	<0.2	<0.2	2.3	2.3			
					Middle	4.2	0.7	2	27.1	27.1	7.8	7.8	28.7	28.7	59.9	60.0	4.1	4.1	8.0	8.0	<2	2	89	89	818832	806193	<0.2	<0.2	2.6	2.4		
						4.2	0.7	2	27.1	27.1	7.8	7.8	28.7	28.7	60.0	60.0	4.1	4.1	8.2	8.2	<2	2	89	89	818832	806193	<0.2	<0.2	2.4	2.4		
					Bottom	7.4	0.5	30	26.1	26.1	7.7	7.7	32.1	32.1	56.0	56.0	3.8	3.8	18.9	18.9	<2	2	92	91	818832	806193	<0.2	<0.2	2.1	2.1		
						7.4	0.6	32	26.1	26.1	7.7	7.7	32.1	32.1	56.0	56.0	3.8	3.8	19.1	19.1	<2	2	91	91	818832	806193	<0.2	<0.2	2.2	2.2		
IM3	Sunny	Moderate	17:34	8.5	Surface	1.0	0.7	353	30.3	8.0	8.0	15.6	15.6	97.0	97.0	6.7	5.5	1.9	7.1	2	2	88	91	819411	806015	<0.2	<0.2	2.6	2.6			
						1.0	0.8	325	30.3	8.0	8.0	15.6	15.6	97.0	97.0	6.7	5.5	1.9	7.1	2	2	87	91	819411	806015	<0.2	<0.2	2.6	2.6			
					Middle	4.3	0.7	2	27.3	27.3	7.8	7.8	27.0	27.1	61.6	61.5	4.2	4.2	6.0	6.0	<2	2	92	91	819411	806015	<0.2	<0.2	2.4	2.5		
						4.3	0.7	2	27.3	27.3	7.8	7.8	27.1	27.1	61.4	61.5	4.2	4.2	6.1	6.1	<2	2	91	91	819411	806015	<0.2	<0.2	2.5	2.5		
					Bottom	7.5	0.4	36	26.3	26.3	7.7	7.7	31.6	31.6	55.5	55.6	3.8	3.8	13.6	13.6	<2	2	93	93	819411	806015	<0.2	<0.2	2.2	2.2		
						7.5	0.5	37	26.3	26.3	7.7	7.7	31.6	31.6	55.7	55.6	3.8	3.8	13.3	13.3	2	2	93	93	819411	806015	<0.2	<0.2	2.4	2.4		
IM4	Sunny	Moderate	17:25	7.7	Surface	1.0	0.2	315	30.3	8.0	8.0	16.1	16.1	98.9	98.8	6.8	5.8	1.9	7.6	2	3	89	91	819576	805052	<0.2	<0.2	2.2	2.3			
						1.0	0.2	342	30.3	8.0	8.0	16.0	16.0	98.6	98.8	6.8	5.8	1.9	7.6	<2	3	88	90	819576	805052	<0.2	<0.2	2.3	2.3			
					Middle	3.9	0.2	316	27.6	27.6	7.8	7.8	25.9	26.5	69.6	71.7	4.7	4.7	5.1	5.0	3	3	91	90	819576	805052	<0.2	<0.2	2.2	2.5		
						3.9	0.2	329	27.6	27.6	7.8	7.8	27.1	27.1	73.7	73.7	5.0	5.0	5.0	5.0	2	3	90	90	819576	805052	<0.2	<0.2	2.5	2.5		
					Bottom	6.7	0.1	279	26.3	26.3	7.7	7.7	31.7	31.7	54.1	54.2	3.7	3.7	15.9	15.9	3	3	94	93	819576	805052	<0.2	<0.2	2.1	2.1		
						6.7	0.1	287	26.3	26.3	7.7	7.7	31.7	31.7	54.2	54.2	3.7	3.7	15.9	15.9	3	3	93	93	819576	805052	<0.2	<0.2	2.3	2.3		
IM5	Sunny	Moderate	17:14	6.7	Surface	1.0	0.2	19	30.4	8.0	8.0	14.6	14.6	103.1	103.1	7.2	6.5	1.5	4.6	<2	3	89	91	820545	804910	<0.2	<0.2	2.6	2.5			
						1.0	0.2	19	30.4	8.0	8.0	14.5	14.6	103.0	103.1	7.1	6.5	1.5	4.6	2	3	89	91	820545	804910	<0.2	<0.2	2.5	2.4			
					Middle	3.4	0.2	28	29.7	29.7	7.9	7.9	18.1	18.1	85.8	85.8	5.9	5.9	3.8	3.8	<2	3	91	91	820545	804910	<0.2	<0.2	2.6	2.6		
						3.4	0.3	28	29.7	29.7	7.9	7.9	18.1	18.1	85.8</																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 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	Moderate	12:57	8.3	Surface	1.0	0.4	42	29.9	7.9	7.9	15.9	15.9	91.0	91.0	6.3	5.6	2.8	7.9	5	5	88	91	815608	804230	<0.2	2.0	2.3								
						1.0	0.4	44	29.9	7.9	7.9	15.9	15.9	6.3	5.6	2.8	7.9	5	5	88	91	<0.2	2.2													
						4.2	0.5	43	28.1	7.8	7.8	19.9	20.0	68.5	68.4	4.8	3.7	8.2	8.3	5	5	91	91	<0.2	2.3											
					4.2	0.5	44	28.0	7.8	7.8	20.0	20.0	68.2	68.4	4.8	3.7	8.3	8.3	5	5	91	91	<0.2	2.4												
					7.3	0.3	34	26.1	7.7	7.7	32.3	32.3	54.5	54.5	3.7	3.7	12.8	12.5	4	4	92	92	<0.2	2.3												
					7.3	0.3	34	26.1	7.7	7.7	32.3	32.3	54.5	54.5	3.7	3.7	12.5	12.5	4	4	92	92	<0.2	2.4												
C2	Sunny	Moderate	14:09	12.1	Surface	1.0	0.1	328	30.0	7.8	7.8	13.9	13.9	82.0	82.0	5.7	5.4	3.5	3.3	4	6	88	91	825688	806955	<0.2	2.3	2.1								
						1.0	0.1	353	30.0	7.8	7.8	13.9	13.9	5.7	5.4	3.5	3.3	4	6	89	91	<0.2	2.4													
						6.1	0.3	334	29.1	7.8	7.8	19.5	19.5	73.2	73.2	5.1	5.0	3.0	3.0	5	5	91	91	<0.2	1.9											
					6.1	0.3	346	29.1	7.8	7.8	19.5	19.5	73.2	73.2	5.1	5.0	3.0	3.0	5	5	91	91	<0.2	2.0												
					11.1	0.7	52	28.9	7.8	7.8	20.5	20.5	72.1	72.1	5.0	5.0	3.5	3.5	7	7	92	92	<0.2	2.0												
					11.1	0.7	56	28.9	7.8	7.8	20.5	20.5	72.1	72.1	5.0	5.0	3.5	3.5	8	8	92	92	<0.2	1.8												
C3	Sunny	Moderate	12:09	12.0	Surface	1.0	0.4	249	29.3	7.9	7.9	18.7	18.7	76.8	76.8	5.3	4.9	2.3	7.3	4	8	90	93	822094	817815	<0.2	1.9	1.5								
						1.0	0.4	260	29.3	7.9	7.9	18.7	18.7	5.3	4.9	2.3	7.3	4	8	91	93	<0.2	2.0													
						6.0	0.3	256	28.0	7.8	7.8	23.7	23.7	64.5	64.5	4.4	3.8	3.5	3.5	6	6	92	92	<0.2	1.8											
					6.0	0.3	280	28.0	7.8	7.8	23.7	23.7	64.5	64.5	4.4	3.8	3.5	3.5	7	7	93	93	<0.2	1.7												
					11.0	0.8	329	26.0	7.8	7.8	30.4	30.4	55.2	55.2	3.8	3.8	16.0	16.0	11	11	96	96	<0.2	0.8												
					11.0	0.8	347	26.0	7.8	7.8	30.4	30.4	55.2	55.2	3.8	3.8	16.0	16.0	13	13	95	95	<0.2	0.8												
IM1	Sunny	Moderate	13:13	7.2	Surface	1.0	0.5	20	30.1	7.8	7.8	15.6	15.6	97.7	97.7	6.8	6.7	1.4	5.3	5	5	87	90	818357	806453	<0.2	2.2	1.9								
						1.0	0.6	20	30.1	7.8	7.8	15.6	15.6	6.8	6.7	1.4	5.3	5	5	88	90	<0.2	1.8													
						3.6	0.5	358	29.5	7.8	7.8	17.3	17.3	95.2	95.2	6.6	6.0	3.7	3.7	6	6	90	90	<0.2	2.0											
					3.6	0.5	329	29.5	7.8	7.8	17.3	17.3	95.2	95.2	6.6	6.0	3.7	3.7	5	5	90	90	<0.2	2.0												
					6.2	0.3	342	28.9	7.7	7.7	21.2	21.2	87.2	87.2	6.0	6.0	10.9	10.9	4	4	92	92	<0.2	1.8												
					6.2	0.4	356	28.9	7.7	7.7	21.2	21.2	87.2	87.2	6.0	6.0	10.9	10.9	6	6	92	92	<0.2	1.8												
IM2	Sunny	Moderate	13:19	8.1	Surface	1.0	0.7	16	30.2	7.8	7.8	15.5	15.5	93.0	93.0	6.4	6.2	1.9	3.8	2	3	88	91	818853	806191	<0.2	2.0	2.2								
						1.0	0.7	17	30.2	7.8	7.8	15.5	15.5	6.4	6.2	1.8	3.8	3	3	89	91	<0.2	2.2													
						4.1	0.7	2	29.2	7.8	7.8	18.9	18.9	85.7	85.7	5.9	5.9	2.4	2.4	2	2	92	92	<0.2	2.1											
					4.1	0.7	2	29.2	7.8	7.8	18.9	18.9	85.7	85.7	5.9	5.9	2.4	2.4	3	3	91	91	<0.2	2.2												
					7.1	0.5	30	28.1	7.8	7.8	23.9	23.9	72.6	72.6	5.0	5.0	7.3	7.3	3	3	94	94	<0.2	2.3												
					7.1	0.6	32	28.1	7.8	7.8	23.9	23.9	72.6	72.6	5.0	5.0	7.2	7.2	2	2	94	94	<0.2	2.2												
IM3	Sunny	Moderate	13:26	8.5	Surface	1.0	0.7	16	30.2	7.8	7.8	15.5	15.5	93.0	93.0	6.4	5.8	1.9	4.2	2	3	88	92	819391	806032	<0.2	2.0	2.1								
						1.0	0.8	325	29.7	7.9	7.9	18.5	18.5	90.1	90.2	6.2	5.8	2.4	2.4	3	3	89	90	<0.2	1.9											
						4.3	0.7	2	28.7	7.8	7.8	21.6	21.6	78.6	78.6	5.4	4.2	3.2	3.2	4	4	91	92	<0.2	2.0											
					4.3	0.7	2	28.7	7.8	7.8	21.6	21.6	78.6	78.6	5.4	4.2	3.2	3.2	5	5	92	92	<0.2	2.2												
					7.5	0.4	36	26.9	7.7	7.7	29.3	29.3	61.9	61.9	4.2	4.2	7.1	7.1	4	4	94	94	<0.2	2.1												
					7.5	0.5	37	26.9	7.7	7.7	29.3	29.3	61.9	61.9	4.2	4.2	7.1	7.1	2	2	95	95	<0.2	2.2												
IM4	Sunny	Moderate	13:35	7.8	Surface	1.0	0.2	315	29.7	7.9	7.9	19.4	19.4	91.7	91.7	6.3	5.9	2.0	4.1	3	3	89	92	819580	805022	<0.2	1.9	1.9								
						1.0	0.2	342	29.7	7.9	7.9	19.4	19.4	6.3	5.9	2.0	4.1	3	3	89	92	<0.2	2.0													
						3.9	0.2	316	29.1	7.9	7.9	21.4	21.4	78.4	78.4	5.4	4.3	3.8	3.8	2	3	92	92	<0.2	1.9											
					3.9	0.2	329	29.1	7.9	7.9	21.4	21.4	78.4	78.4	5.4	4.3	3.8	3.8	3	3	92	92	<0.2	2.0												
					6.8	0.1	279	27.0	7.7	7.7	28.9	28.9	62.8	62.8	4.3	4.3	6.5	6.5	2	2	94	94	<0.2	2.0												
					6.8	0.1	287	27.0	7.7	7.7	28.9	28.9	62.8	62.8	4.3	4.3	6.5	6.5	2	2	94	94	<0.2	1.8												
IM5	Sunny	Moderate	13:46	6.8	Surface	1.0	0.2	19	29.6	7.9	7.9	17.6	17.6	91.4	91.4	6.3	6.0	2.2	3.9	4	4	88	92	820581	804939	<0.2	2.1	2.0								
						1.0	0.2	19	29.6	7.9	7.9	17.6	17.6	6.3	6.0	2.2	3.9	4	4	89	92	<0.2	2.1													
						3.4	0.2	28	29.4	7.9	7.9	19.3	19.3	83.0	83.0	5.7	3.9	3.3	3.3	4	4	92	92	<0.2	2.1											
					3.4	0.3	28	29.4	7.9	7.9	19.3	19.3	83.0	83.0	5.7	3.9	3.3	3.3	3	3	92	92	<0.2	2.2												
					5.8	0.3	28	26.8	7.7	7.7	29.8	29.8	57.5	57.5	3.9	3.9	6.3	6.3	4	4	96	96	<0.2	1.6												
					5.8	0.3	30	26.8	7.7	7.7	29.8	29.8	57.6	57.6	3.9	3.9	6.3	6.3	5	5	95	95	<0.2	1.9												
IM6	Sunny	Moderate	13:53	6.7	Surface	1.0	0.5	355	29.8	7.9	7.9	18.3	18.3	94.0	94.0	6.5	6.4	2.4	3.3	5	4	89	91	821040	805817	<0.2	2.3	2.2								
						1.0	0.5	327	29.8	7.9	7.9	18.3	18.3	6.5	6.4	2.4	3.3	4	4	90	90	<0.2	2.3													
						3.4	0.5	5	29.4	7.9	7.9	19.0	19.0	90.8	90.8	6.3	4.9	3.0	3.0	3	3	90	90	<0.2	2.1											
					3.4	0.5	5	29.4	7.9	7.9	19.0	19.0	90.8	90.8	6.3	4.9	3.0	3.0	3	3	91	91	<0.2	2.0												
					5.7	0.3	10	28.1	7.8	7.8	23.3	23.3	71.8	71.8	4.9	4.9	4.5	4.5	3	3	93	93	<0.2	2.2												
					5.7	0.4	10	28.1	7.8	7.8	23.3	23.3	71.8	71.8	4.9	4.9	4.5	4.5	4	4	93	93	<0.2	2.0												
IM7	Sunny	Moderate	14:01	7.4	Surface	1.0	0.1	31	30.4	7.9	7.9	13.8	13.8	96.7	96.7	6.7	6.7	3.0	2.8	3	3	88	91	821332	806826	<0.2	2.6	2.5								
						1.0	0.1	32	30.4	7.9	7.9	13.8	13.8	6.7	6.7	3.0	2.8	3	3	89	91	<0.2	2.4													
						3.7	0.3	23	29.8	7.9	7.9	16.8	16.8	95.1	95.1	6.6	6.3	2.0	2.0	4	4	92	92													

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 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
IM9	Sunny	Moderate	13:33	7.2	Surface	1.0	0.2	46	30.5	7.9	7.9	11.1	11.1	89.2	89.2	6.3	6.0	4.1	7.6	3	4	87	89	822110	808828	<0.2	<0.2	2.5	2.3							
						1.0	0.2	46	30.5	7.9	7.9	11.1	11.1	89.2	89.2	6.3	6.0	4.1	7.6	3	4	87	89	822110	808828	<0.2	<0.2	2.2	2.3							
					Middle	3.6	0.2	28	29.6	7.8	7.8	14.6	14.6	80.4	80.4	5.6	5.5	5.5	5.5	2	3	88	89	822110	808828	<0.2	<0.2	2.5	2.3							
						3.6	0.3	30	29.6	7.8	7.8	14.6	14.6	80.4	80.4	5.6	5.5	5.5	5.5	2	3	88	89	822110	808828	<0.2	<0.2	2.4	2.3							
					Bottom	6.2	0.2	315	29.2	7.9	7.9	18.7	18.7	75.4	75.4	5.2	5.2	13.1	13.1	7	7	92	92	822110	808828	<0.2	<0.2	2.3	2.0							
						6.2	0.2	322	29.2	7.9	7.9	18.7	18.7	75.4	75.4	5.2	5.2	13.1	13.1	7	7	92	92	822110	808828	<0.2	<0.2	2.0	2.0							
IM10	Sunny	Moderate	13:23	7.0	Surface	1.0	0.2	358	30.5	7.9	7.9	12.0	12.0	91.1	91.1	6.4	6.2	3.7	5.8	2	3	88	90	822231	809846	<0.2	<0.2	2.2	2.2							
						1.0	0.2	329	30.5	7.9	7.9	12.0	12.0	91.1	91.1	6.4	6.2	3.7	5.8	2	3	88	90	822231	809846	<0.2	<0.2	2.2	2.2							
					Middle	3.5	0.4	324	29.9	7.9	7.9	15.4	15.4	86.1	86.1	6.0	6.0	4.4	4.4	3	4	90	91	822231	809846	<0.2	<0.2	2.2	2.2							
						3.5	0.4	346	29.9	7.9	7.9	15.4	15.4	86.1	86.1	6.0	6.0	4.4	4.4	3	4	90	91	822231	809846	<0.2	<0.2	2.2	2.2							
					Bottom	6.0	0.3	324	29.0	7.9	7.9	20.0	20.0	77.8	77.8	5.4	5.4	9.4	9.4	2	2	93	92	822231	809846	<0.2	<0.2	2.0	2.0							
						6.0	0.3	335	29.0	7.9	7.9	20.0	20.0	77.8	77.8	5.4	5.4	9.4	9.4	2	2	92	92	822231	809846	<0.2	<0.2	2.1	2.1							
IM11	Sunny	Moderate	13:11	7.8	Surface	1.0	0.2	331	29.9	7.9	7.9	15.9	15.9	90.6	90.6	6.3	5.9	3.2	6.1	3	4	90	91	821491	810548	<0.2	<0.2	1.8	1.8							
						1.0	0.2	334	29.9	7.9	7.9	15.9	15.9	90.6	90.6	6.3	5.9	3.2	6.1	3	4	89	92	821491	810548	<0.2	<0.2	1.9	1.9							
					Middle	3.9	0.3	301	29.3	7.9	7.9	19.1	19.1	79.8	79.8	5.5	5.5	6.0	6.0	4	4	92	93	821491	810548	<0.2	<0.2	1.9	1.9							
						3.9	0.3	301	29.3	7.9	7.9	19.1	19.1	79.8	79.8	5.5	5.5	6.0	6.0	3	4	92	93	821491	810548	<0.2	<0.2	1.9	1.9							
					Bottom	6.8	0.2	328	28.8	7.9	7.9	20.8	20.8	74.9	74.9	5.2	5.2	9.2	9.2	6	6	93	92	821491	810548	<0.2	<0.2	1.5	1.5							
						6.8	0.2	350	28.8	7.9	7.9	20.8	20.8	74.9	74.9	5.2	5.2	9.2	9.2	6	6	92	92	821491	810548	<0.2	<0.2	1.5	1.5							
IM12	Sunny	Moderate	13:03	7.9	Surface	1.0	0.4	285	30.1	7.9	7.9	14.9	14.9	89.3	89.3	6.2	5.9	2.7	6.0	4	4	88	91	821174	811506	<0.2	<0.2	2.1	2.0							
						1.0	0.4	311	30.1	7.9	7.9	14.9	14.9	89.3	89.3	6.2	5.9	2.7	6.0	3	4	89	91	821174	811506	<0.2	<0.2	2.2	2.0							
					Middle	4.0	0.7	286	29.3	7.9	7.9	19.1	19.1	81.7	81.7	5.6	5.6	4.2	4.2	4	4	91	92	821174	811506	<0.2	<0.2	1.9	2.2							
						4.0	0.7	292	29.3	7.9	7.9	19.1	19.1	81.7	81.7	5.6	5.6	4.2	4.2	5	5	92	93	821174	811506	<0.2	<0.2	2.2	1.7							
					Bottom	6.9	0.2	330	27.9	7.8	7.8	24.6	24.6	63.2	63.2	4.3	4.3	11.1	11.1	5	5	93	92	821174	811506	<0.2	<0.2	1.7	1.7							
						6.9	0.2	359	27.9	7.8	7.8	24.6	24.6	63.2	63.2	4.3	4.3	11.1	11.1	5	5	92	92	821174	811506	<0.2	<0.2	1.7	1.7							
SR2	Sunny	Moderate	12:33	4.2	Surface	1.0	0.4	53	30.0	7.9	7.9	16.0	16.0	89.0	89.0	6.2	6.2	2.5	3.7	3	3	89	90	821475	814171	<0.2	<0.2	2.0	2.1							
						1.0	0.4	53	30.0	7.9	7.9	16.0	16.0	89.0	89.0	6.2	6.2	2.5	3.7	2	3	90	91	821475	814171	<0.2	<0.2	2.1	2.1							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.2	0.3	66	29.0	7.8	7.8	19.5	19.5	81.4	81.4	5.6	5.6	4.9	4.9	3	4	91	91	821475	814171	<0.2	<0.2	2.2	2.2							
						3.2	0.3	72	29.0	7.8	7.8	19.5	19.5	81.4	81.4	5.6	5.6	4.9	4.9	4	4	91	91	821475	814171	<0.2	<0.2	2.2	2.2							
SR3	Sunny	Moderate	13:47	8.9	Surface	1.0	0.2	20	30.6	7.9	7.9	11.1	11.1	88.4	88.4	6.2	5.8	4.3	5.7	4	4	-	-	822145	807589	-	-	-	-							
						1.0	0.2	20	30.6	7.9	7.9	11.1	11.1	88.4	88.4	6.2	5.8	4.3	5.7	5	4	-	-	822145	807589	-	-	-	-							
					Middle	4.5	0.2	330	29.5	7.8	7.8	15.2	15.2	75.6	75.6	5.3	5.3	4.5	4.5	4	4	-	-	-	-	822145	807589	-	-	-	-					
						4.5	0.2	355	29.5	7.8	7.8	15.2	15.2	75.6	75.6	5.3	5.3	4.5	4.5	4	4	-	-	-	-	822145	807589	-	-	-	-					
					Bottom	7.9	0.8	314	28.8	7.8	7.8	21.1	21.1	65.2	65.2	4.5	4.5	8.2	8.2	4	4	-	-	-	-	822145	807589	-	-	-	-					
						7.9	0.8	318	28.8	7.8	7.8	21.1	21.1	65.2	65.2	4.5	4.5	8.2	8.2	3	4	-	-	-	-	822145	807589	-	-	-	-					
SR4A	Sunny	Moderate	12:34	8.8	Surface	1.0	0.1	254	29.8	7.8	7.8	19.0	19.0	95.5	95.4	6.5	6.1	5.3	8.2	4	4	-	-	817175	807823	-	-	-	-							
						1.0	0.1	278	29.8	7.8	7.8	19.0	19.0	95.3	95.3	6.5	6.1	5.3	8.2	5	4	-	-	817175	807823	-	-	-	-							
					Middle	4.4	0.1	284	29.4	7.7	7.7	22.4	22.4	82.7	82.7	5.6	5.6	8.2	8.2	4	4	-	-	-	-	817175	807823	-	-	-	-					
						4.4	0.1	305	29.4	7.7	7.7	22.4	22.4	82.6	82.6	5.6	5.6	8.2	8.2	5	4	-	-	-	-	817175	807823	-	-	-	-					
					Bottom	7.8	0.2	254	27.9	7.6	7.6	26.9	26.9	68.3	68.4	4.6	4.6	11.1	11.1	4	4	-	-	-	-	817175	807823	-	-	-	-					
						7.8	0.2	273	27.9	7.6	7.6	26.9	26.9	68.4	68.4	4.6	4.6	11.1	11.1	4	4	-	-	-	-	817175	807823	-	-	-	-					
SR5A	Sunny	Moderate	12:18	3.6	Surface	1.0	0.2	311	29.9	7.8	7.8	20.8	20.8	98.8	98.8	6.7	6.7	4.7	5.9	5	5	-	-	816610	810679	-	-	-	-							
						1.0	0.2	311	29.8	7.8	7.8	20.8	20.8	98.7	98.7	6.7	6.7	4.7	5.9	4	5	-	-	816610	810679	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	2.6	0.2	317	29.6	7.8	7.8	21.3	21.3	94.2	94.3	6.4	6.4	7.4	6.4	5	5	-	-	-	-	816610	810679	-	-	-	-					
						2.6	0.2	328	29.6	7.8	7.8	21.3	21.3	94.3	94.3	6.4	6.4	6.9	6.4	5	5	-	-	-	-	816610	810679	-	-	-	-					
SR6	Sunny	Moderate	11:45	4.2	Surface	1.0	0.2	259	29.6	7.6	7.																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 August 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	Sunny	Calm	09:04	8.3	Surface	1.0	0.6	204	29.1	7.6	7.6	12.6	12.6	96.0	95.9	6.9	6.0	1.5	6.7	2	3	86	90	815621	804241	<0.2	<0.2	3.1	2.4							
						1.0	0.6	212	29.1	7.6	7.6	12.6	12.6	95.8	95.9	6.9	6.0	1.5	6.7	4	3	87	90	<0.2	<0.2	2.9	2.4									
					Middle	4.2	0.5	223	27.5	7.6	7.6	23.3	23.4	73.0	73.0	5.1	5.1	2.6	2.6	3	3	91	92	<0.2	<0.2	2.5	2.4									
						4.2	0.5	234	27.5	7.6	7.6	23.4	23.4	72.9	73.0	5.1	5.1	2.6	2.6	3	3	92	93	<0.2	<0.2	1.9	2.4									
					Bottom	7.3	0.6	215	25.2	7.6	7.6	32.1	32.1	54.8	54.8	3.8	3.8	16.0	16.0	3	3	93	94	<0.2	<0.2	2.7	2.4									
						7.3	0.6	224	25.2	7.6	7.6	32.1	32.1	55.1	55.0	3.8	3.8	15.9	15.9	5	5	93	94	<0.2	<0.2	1.5	2.4									
C2	Sunny	Moderate	10:13	11.5	Surface	1.0	1.2	164	30.3	7.6	7.6	8.5	8.5	79.0	79.0	5.7	4.7	5.2	6.2	5	5	86	91	825669	806955	<0.2	<0.2	3.2	3.1							
						1.0	1.3	164	30.3	7.6	7.6	8.5	8.5	79.0	79.0	5.7	4.7	5.2	6.2	6	5	86	91	<0.2	<0.2	3.3	3.1									
					Middle	5.8	0.8	158	27.3	7.6	7.6	26.6	26.6	54.7	54.7	3.7	3.7	3.8	3.8	4	5	93	94	<0.2	<0.2	2.9	3.1									
						5.8	0.8	159	27.3	7.6	7.6	26.6	26.6	54.7	54.7	3.7	3.7	3.8	3.8	5	5	94	95	<0.2	<0.2	3.3	3.1									
					Bottom	10.5	0.5	151	26.1	7.6	7.6	30.0	30.0	50.7	50.7	3.5	3.5	9.6	9.6	4	4	95	96	<0.2	<0.2	3.0	3.1									
						10.5	0.5	154	26.1	7.6	7.6	30.0	30.0	50.7	50.7	3.5	3.5	9.6	9.6	4	4	94	95	<0.2	<0.2	3.0	3.1									
C3	Sunny	Moderate	08:00	11.2	Surface	1.0	0.0	266	28.9	7.8	7.8	18.2	18.2	85.5	85.5	6.0	5.8	1.4	2.4	2	3	91	94	822098	817819	<0.2	<0.2	2.5	2.2							
						1.0	0.0	282	28.9	7.8	7.8	18.2	18.2	85.5	85.5	6.0	5.8	1.4	2.4	4	3	91	94	<0.2	<0.2	2.2	2.2									
					Middle	5.6	0.2	21	28.3	7.8	7.8	22.3	22.3	81.5	81.5	5.6	5.6	1.6	1.6	3	3	94	95	<0.2	<0.2	2.1	2.2									
						5.6	0.2	21	28.3	7.8	7.8	22.3	22.3	81.5	81.5	5.6	5.6	1.6	1.6	3	3	94	95	<0.2	<0.2	2.4	2.2									
					Bottom	10.2	0.3	92	25.9	7.7	7.7	30.6	30.6	65.0	65.0	4.5	4.5	4.2	4.2	3	3	95	96	<0.2	<0.2	2.1	2.2									
						10.2	0.3	98	25.9	7.7	7.7	30.6	30.6	65.0	65.0	4.5	4.5	4.2	4.2	3	3	96	97	<0.2	<0.2	2.0	2.2									
IM1	Sunny	Calm	09:29	7.0	Surface	1.0	0.8	192	27.8	7.7	7.7	19.2	19.5	69.9	69.3	4.9	4.6	2.6	6.3	4	5	86	88	818366	806445	<0.2	<0.2	1.6	1.7							
						1.0	0.8	192	28.2	7.7	7.7	19.8	19.5	68.7	69.3	4.8	4.6	2.8	6.3	6	5	86	88	<0.2	<0.2	1.4	1.7									
					Middle	3.5	0.4	194	26.7	7.6	7.6	26.5	26.5	62.6	62.6	4.3	4.3	6.9	6.9	5	4	88	90	<0.2	<0.2	1.6	1.7									
						3.5	0.5	207	26.7	7.6	7.6	26.5	26.5	62.5	62.6	4.2	4.2	7.0	7.0	4	4	88	90	<0.2	<0.2	1.9	1.7									
					Bottom	6.0	0.1	223	25.3	7.6	7.6	31.7	31.7	51.7	51.8	3.6	3.6	9.0	9.0	6	6	90	91	<0.2	<0.2	1.8	1.7									
						6.0	0.1	223	25.2	7.6	7.6	31.7	31.7	51.9	51.8	3.6	3.6	9.2	9.2	6	6	91	92	<0.2	<0.2	1.9	1.7									
IM2	Sunny	Calm	09:39	8.1	Surface	1.0	0.7	210	28.6	7.7	7.7	18.3	18.4	77.7	77.7	5.4	4.8	1.7	5.3	3	4	86	90	818840	806198	<0.2	<0.2	1.8	2.0							
						1.0	0.8	220	28.6	7.7	7.7	18.5	18.4	77.6	77.7	5.4	4.8	1.8	5.3	5	4	86	91	<0.2	<0.2	2.0	2.0									
					Middle	4.1	0.5	212	26.8	7.7	7.7	26.3	26.3	61.2	61.3	4.2	4.2	5.1	4.9	4	4	91	92	<0.2	<0.2	1.8	2.0									
						4.1	0.5	228	26.8	7.7	7.7	26.3	26.3	61.4	61.3	4.2	4.2	4.9	4.9	4	4	91	92	<0.2	<0.2	2.1	2.0									
					Bottom	7.1	0.1	188	25.4	7.6	7.6	31.2	31.3	54.7	54.8	3.8	3.8	9.2	9.2	4	4	91	92	<0.2	<0.2	1.9	2.0									
						7.1	0.1	205	25.4	7.6	7.6	31.3	31.3	54.9	54.8	3.8	3.8	9.3	9.3	4	4	92	93	<0.2	<0.2	2.1	2.0									
IM3	Sunny	Calm	09:50	8.2	Surface	1.0	0.8	224	29.6	7.8	7.8	13.8	13.8	88.9	88.8	6.3	5.6	2.0	5.3	3	3	86	90	819401	806029	<0.2	<0.2	1.9	2.1							
						1.0	0.8	238	29.6	7.8	7.8	13.8	13.8	88.7	88.8	6.3	5.6	2.0	5.3	2	3	86	91	<0.2	<0.2	1.9	2.1									
					Middle	4.1	0.5	224	27.7	7.8	7.8	22.9	22.8	69.3	69.7	4.8	4.8	2.6	2.6	4	4	91	92	<0.2	<0.2	2.2	2.1									
						4.1	0.5	232	27.9	7.8	7.8	22.7	22.7	70.0	70.0	4.8	4.8	2.6	2.6	3	3	91	92	<0.2	<0.2	2.1	2.1									
					Bottom	7.2	0.2	212	25.6	7.7	7.7	30.4	30.4	52.9	53.0	3.6	3.7	11.2	11.2	3	3	92	93	<0.2	<0.2	2.3	2.1									
						7.2	0.3	230	25.6	7.7	7.7	30.4	30.4	53.0	53.0	3.7	3.7	11.2	11.2	4	4	92	93	<0.2	<0.2	2.4	2.1									
IM4	Sunny	Calm	09:59	7.4	Surface	1.0	0.8	196	29.5	7.8	7.8	12.3	12.3	90.2	90.2	6.4	5.9	2.2	7.1	2	3	86	90	819576	805019	<0.2	<0.2	2.1	2.3							
						1.0	0.8	215	29.5	7.8	7.8	12.3	12.3	90.2	90.2	6.4	5.9	2.2	7.1	2	3	86	90	<0.2	<0.2	2.1	2.3									
					Middle	3.7	0.4	207	28.3	7.8	7.8	19.1	19.1	76.7	76.7	5.4	5.4	2.8	2.8	2	2	91	92	<0.2	<0.2	2.3	2.3									
						3.7	0.4	212	28.3	7.8	7.8	19.1	19.1	76.6	76.6	5.4	5.4	2.8	2.8	2	2	92	93	<0.2	<0.2	2.3	2.3									
					Bottom	6.4	0.3	190	25.9	7.6	7.6	29.6	29.7	54.0	54.3	3.7	3.8	16.4	16.4	3	3	93	94	<0.2	<0.2	2.7	2.3									
						6.4	0.3	196	25.9	7.6	7.6	29.7	29.7	54.6	54.3	3.8	3.8	16.3	16.3	4	4	93	94	<0.2	<0.2	2.5	2.3									
IM5	Sunny	Moderate	10:16	6.4	Surface	1.0	0.9	193	29.5	7.7	7.7	10.9	10.8	88.4	88.4	6.4	5.5	3.0	3.1	5	5	88	91	820577	804932	<0.2	<0.2	2.1	2.6							
						1.0	0.9	207	29.5	7.7	7.7	10.6	10.8	88.4	88.4	6.4	5.5	3.0	3.1	5	5	88	91	<0.2	<0.2	2.3	2.6									
					Middle	3.2	0.6	211	27.9	7.8	7.8	22.6	22.7	66.9	67.2	4.6	4.7	1.9	1.8	4	4	91	92	<0.2	<0.2	2.8	2.6									
						3.2	0.7	211	27.9	7.8	7.8	22.7	22.7	67.4	67.2	4.7	4.7	1.8	1.8	4	4	91	92	<0.2	<0.2	2.7	2.6									
					Bottom	5.4	0.4	228	27.1	7.6	7.6	25.4	25.6	58.0	58.3	4.0	4.1	4.3	4.1	8	6	93	94	<0.2	<0.2	2.8	2.6									
						5.4	0.5	230	26.9	7.6	7.6	25.7	25.6	58.6	58.3	4.1	4.1	4.7	4.7	6	6	94	95	<0.2	<0.2	2.6	2.6									
IM6	Sunny	Moderate	10:28	6.3	Surface	1.0	0.6	214	29.9	7.8	7.8	9.9	9.8	88.2	88.2	6.3	5.5	3.1	5.5	5	5	91	94	821047	805824	<0.2	<0.2	1.9	2.4							
						1.0	0.7	231	29.9	7.8	7.8	9.7	9.8	88.1	88.2	6.3	5.5	3.1	5.5	4	4	92	94	<0.2	<0.2	2.0	2.4									
					Middle	3.2	0.4	244	28.3	7.7	7.7	18.7	20.1	68.0	67.9	4.8	4.7	1.8	2.0																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 August 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
IM9	Sunny	Moderate	09:26	6.9	Surface	1.0	0.5	160	30.1	30.1	7.7	7.7	11.7	11.7	81.9	81.9	5.8	3.1	3	87	3	87	91	822079	808824	<0.2	<0.2	3.0	3.0							
						1.0	0.5	172	30.1	30.1	7.7	7.7	11.7	11.7	81.9	81.9	5.8	3.1	5	86	4	86	91	822079	808824	<0.2	<0.2	3.0	3.0							
					Middle	3.5	0.3	152	28.8	28.8	7.7	7.7	20.2	20.2	65.6	65.6	4.5	2.5	3	93	4	92	91	822079	808824	<0.2	<0.2	2.8	2.8							
						3.5	0.4	156	28.8	28.8	7.7	7.7	20.2	20.2	65.6	65.6	4.5	2.5	4	92	4	92	91	822079	808824	<0.2	<0.2	2.7	2.7							
					Bottom	5.9	0.1	73	27.5	27.5	7.6	7.6	25.4	25.4	59.0	59.0	4.1	4.2	4	94	4	94	91	822079	808824	<0.2	<0.2	2.6	2.6							
						5.9	0.1	79	27.5	27.5	7.6	7.6	25.4	25.4	59.0	59.0	4.1	4.2	4	94	4	94	91	822079	808824	<0.2	<0.2	2.6	2.6							
IM10	Sunny	Moderate	09:17	6.0	Surface	1.0	0.6	130	29.8	29.8	7.7	7.7	13.5	13.5	79.3	79.3	5.6	2.8	4	87	4	87	91	822231	809837	<0.2	<0.2	2.7	2.7							
						1.0	0.7	132	29.8	29.8	7.7	7.7	13.5	13.5	79.3	79.3	5.6	2.8	3	87	4	87	91	822231	809837	<0.2	<0.2	2.8	2.8							
					Middle	3.0	0.5	127	28.7	28.7	7.7	7.7	20.9	20.9	69.9	69.9	4.8	2.4	5	93	4	93	91	822231	809837	<0.2	<0.2	2.7	2.7							
						3.0	0.6	137	28.7	28.7	7.7	7.7	20.9	20.9	69.9	69.9	4.8	2.4	3	93	4	93	91	822231	809837	<0.2	<0.2	2.9	2.9							
					Bottom	5.0	0.2	104	27.8	27.8	7.6	7.6	23.9	23.9	69.8	69.8	4.8	3.3	4	94	4	94	91	822231	809837	<0.2	<0.2	2.6	2.6							
						5.0	0.2	113	27.8	27.8	7.6	7.6	23.9	23.9	69.8	69.8	4.8	3.3	4	93	4	93	91	822231	809837	<0.2	<0.2	2.6	2.6							
IM11	Sunny	Moderate	09:04	8.1	Surface	1.0	0.3	116	29.5	29.5	7.7	7.7	15.4	15.4	79.5	79.5	5.6	3.3	3	89	4	88	92	821510	810542	<0.2	<0.2	2.6	2.6							
						1.0	0.3	124	29.5	29.5	7.7	7.7	15.4	15.4	79.5	79.5	5.6	3.3	4	88	4	88	92	821510	810542	<0.2	<0.2	2.4	2.4							
					Middle	4.1	0.3	134	28.1	28.1	7.7	7.7	22.6	22.6	62.2	62.2	4.3	5.3	4	93	4	93	92	821510	810542	<0.2	<0.2	2.4	2.4							
						4.1	0.3	136	28.1	28.1	7.7	7.7	22.6	22.6	62.2	62.2	4.3	5.3	4	92	4	92	92	821510	810542	<0.2	<0.2	2.4	2.4							
					Bottom	7.1	0.1	76	27.6	27.6	7.6	7.6	24.9	24.9	59.7	59.7	4.1	11.1	6	95	7	95	92	821510	810542	<0.2	<0.2	2.4	2.4							
						7.1	0.1	78	27.6	27.6	7.6	7.6	24.9	24.9	59.7	59.7	4.1	11.1	7	95	7	95	92	821510	810542	<0.2	<0.2	2.4	2.4							
IM12	Sunny	Moderate	08:54	8.9	Surface	1.0	0.3	108	29.8	29.8	7.7	7.7	13.9	13.9	80.8	80.8	5.7	3.2	3	88	4	87	92	821152	811518	<0.2	<0.2	2.3	2.3							
						1.0	0.4	114	29.8	29.8	7.7	7.7	13.9	13.9	80.8	80.8	5.7	3.2	4	87	4	87	92	821152	811518	<0.2	<0.2	2.2	2.2							
					Middle	4.5	0.5	92	28.6	28.6	7.7	7.7	21.6	21.6	67.6	67.6	4.7	6.3	3	93	3	93	92	821152	811518	<0.2	<0.2	2.6	2.6							
						4.5	0.5	97	28.6	28.6	7.7	7.7	21.6	21.6	67.6	67.6	4.7	6.3	3	94	3	94	92	821152	811518	<0.2	<0.2	2.6	2.6							
					Bottom	7.9	0.3	105	27.5	27.5	7.7	7.7	25.2	25.2	57.3	57.3	3.9	16.2	3	95	4	96	92	821152	811518	<0.2	<0.2	2.7	2.7							
						7.9	0.3	108	27.5	27.5	7.7	7.7	25.2	25.2	57.3	57.3	3.9	16.2	4	96	4	96	92	821152	811518	<0.2	<0.2	2.5	2.5							
SR2	Sunny	Moderate	08:26	5.2	Surface	1.0	0.4	65	29.7	29.7	7.7	7.7	14.9	14.9	81.6	81.6	5.7	2.4	4	88	3	89	90	821480	814185	<0.2	<0.2	2.5	2.5							
						1.0	0.4	66	29.7	29.7	7.7	7.7	14.9	14.9	81.6	81.6	5.7	2.4	3	89	3	89	90	821480	814185	<0.2	<0.2	2.5	2.5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	821480	814185	<0.2	<0.2	2.5	2.5					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	821480	814185	<0.2	<0.2	2.5	2.5				
					Bottom	4.2	0.3	41	28.1	28.1	7.6	7.6	22.2	22.2	75.2	75.2	5.2	2.6	8	91	7	92	90	821480	814185	<0.2	<0.2	2.5	2.5							
						4.2	0.3	43	28.1	28.1	7.6	7.6	22.2	22.2	75.2	75.2	5.2	2.6	7	92	7	92	90	821480	814185	<0.2	<0.2	2.7	2.7							
SR3	Sunny	Moderate	09:42	8.6	Surface	1.0	0.6	171	29.8	29.8	7.8	7.8	12.0	12.0	80.3	80.3	5.7	2.9	4	-	3	-	-	822145	807573	-	-	-	-							
						1.0	0.6	173	29.8	29.8	7.8	7.8	12.0	12.0	80.3	80.3	5.7	2.9	4	-	3	-	-	-	-	822145	807573	-	-	-	-					
					Middle	4.3	0.1	234	27.5	27.5	7.6	7.6	25.3	25.3	54.9	54.9	3.8	3.8	4	-	3	-	-	-	-	822145	807573	-	-	-	-					
						4.3	0.1	235	27.5	27.5	7.6	7.6	25.3	25.3	54.9	54.9	3.8	3.8	3	-	3	-	-	-	-	822145	807573	-	-	-	-					
					Bottom	7.6	0.1	38	26.7	26.7	7.6	7.6	28.8	28.8	52.0	52.0	3.5	5.0	3	-	3	-	-	-	-	-	822145	807573	-	-	-	-				
						7.6	0.1	39	26.7	26.7	7.6	7.6	28.8	28.8	52.0	52.0	3.5	5.0	4	-	3	-	-	-	-	-	822145	807573	-	-	-	-				
SR4A	Sunny	Calm	08:43	9.2	Surface	1.0	0.1	250	28.6	28.6	7.6	7.6	17.8	17.8	86.7	86.7	6.1	2.1	5	-	5	-	-	817174	807792	-	-	-	-							
						1.0	0.1	256	28.6	28.6	7.6	7.6	17.7	17.7	86.6	86.6	6.1	2.1	5	-	5	-	-	-	-	817174	807792	-	-	-	-					
					Middle	4.6	0.2	62	25.4	25.4	7.5	7.5	31.3	31.3	59.2	59.4	4.1	7.1	6	-	6	-	-	-	-	817174	807792	-	-	-	-					
						4.6	0.2	67	25.4	25.4	7.5	7.5	31.3	31.3	59.5	59.4	4.1	7.1	9	-	9	-	-	-	-	817174	807792	-	-	-	-					
					Bottom	8.2	0.1	66	25.2	25.2	7.5	7.5	31.7	31.7	56.1	56.2	3.9	11.7	6	-	6	-	-	-	-	-	817174	807792	-	-	-	-				
						8.2	0.2	67	25.2	25.2	7.5	7.5	31.7	31.7	56.3	56.2	3.9	11.7	11	-	11	-	-	-	-	-	817174	807792	-	-	-	-				
SR5A	Sunny	Calm	08:12	3.8	Surface	1.0	0.1	117	29.3	29.3	7.7	7.7	18.2	18.2	100.1	100.1	6.9	3.1	5	-	5	-	-	816607	810678	-	-	-	-							
						1.0	0.1	125	29.3	29.3	7.7	7.7	18.2	18.2	100.1	100.1	6.9	3.1	4	-	4	-	-	-	-	816607	810678	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816607	810678	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816607	810678	-	-	-	-					
					Bottom	2.8	0.1	268	28.9	28.9	7.4	7.4	20.1	20.1	91.6	91.9	6.3	5.0	5	-	5	-	-	-	-	816607	810678	-	-	-	-					
						2.8	0.1	280	28.9	28.9	7.4	7.4	20.1	20.1	92.2	91.9	6.4	5.1	6	-	6	-	-	-	-	816607	810678	-	-	-	-					
SR6	Sunny	Calm	07:46																																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 August 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	Calm	16:00	8.0	Surface	1.0	0.3	50	30.0	7.7	7.7	13.9	14.0	88.3	88.1	6.2	5.2	3.2	10.4	4	5	89	92	815608	804262	<0.2	<0.2	1.5	1.6							
						1.0	0.3	51	29.9	7.7	7.7	14.1	14.0	87.8	88.1	6.2	5.2	3.2	10.4	4	5	89	92	815608	804262	<0.2	<0.2	1.4	1.6							
						4.0	0.5	37	26.3	7.7	7.7	28.1	28.0	58.9	58.9	4.1	4.1	9.1	10.4	4	5	92	92	815608	804262	<0.2	<0.2	2.2	1.6							
					4.0	0.5	37	26.3	7.7	7.7	27.9	28.0	58.9	58.9	4.1	4.1	9.5	10.4	4	5	92	92	815608	804262	<0.2	<0.2	2.1	1.6								
					7.0	0.3	22	25.8	7.7	7.7	29.7	29.7	60.3	60.4	4.2	4.2	18.5	18.6	7	7	96	96	815608	804262	<0.2	<0.2	1.4	1.6								
					7.0	0.3	22	25.8	7.7	7.7	29.6	29.7	60.5	60.4	4.2	4.2	18.6	18.6	9	7	96	96	815608	804262	<0.2	<0.2	1.2	1.6								
C2	Sunny	Moderate	14:27	11.2	Surface	1.0	0.6	188	31.0	7.6	7.6	7.8	7.8	75.6	75.6	5.4	4.7	10.3	11.8	7	7	86	91	825692	806938	<0.2	<0.2	3.5	3.3							
						1.0	0.6	203	31.0	7.6	7.6	7.9	7.8	75.6	75.6	5.4	4.7	10.3	11.8	7	7	85	91	825692	806938	<0.2	<0.2	3.4	3.3							
						5.6	0.1	155	27.9	7.5	7.5	21.1	21.1	56.1	56.1	3.9	3.9	5.3	5.3	8	7	93	92	825692	806938	<0.2	<0.2	3.2	3.1							
					5.6	0.1	165	27.9	7.5	7.5	21.1	21.1	56.1	56.1	3.9	3.9	5.3	5.3	6	7	92	94	825692	806938	<0.2	<0.2	3.1	3.3								
					10.2	0.5	330	26.7	7.5	7.5	27.7	27.7	50.2	50.2	3.4	3.4	19.8	19.8	6	7	94	95	825692	806938	<0.2	<0.2	3.3	3.2								
					10.2	0.5	337	26.7	7.5	7.5	27.7	27.7	50.2	50.2	3.4	3.4	19.8	19.8	7	7	95	95	825692	806938	<0.2	<0.2	3.2	3.2								
C3	Sunny	Moderate	16:18	11.9	Surface	1.0	0.3	238	29.0	7.8	7.8	20.3	20.3	97.0	97.0	6.7	5.4	2.3	5.5	3	4	92	94	822110	817796	<0.2	<0.2	1.9	2.1							
						1.0	0.3	238	29.0	7.8	7.8	20.3	20.3	97.0	97.0	6.7	5.4	2.3	5.5	3	4	91	94	822110	817796	<0.2	<0.2	1.8	2.1							
						6.0	0.4	242	26.3	7.7	7.7	28.7	28.7	60.2	60.2	4.1	4.1	4.9	4.9	3	4	94	94	822110	817796	<0.2	<0.2	2.4	2.1							
					6.0	0.4	260	26.3	7.7	7.7	28.7	28.7	60.2	60.2	4.1	4.1	4.9	4.9	4	4	94	96	822110	817796	<0.2	<0.2	2.4	2.1								
					10.9	0.3	285	25.3	7.6	7.6	31.8	31.8	59.9	59.9	4.1	4.1	9.3	9.3	4	4	96	96	822110	817796	<0.2	<0.2	1.8	2.0								
					10.9	0.3	307	25.3	7.6	7.6	31.8	31.8	59.9	59.9	4.1	4.1	9.3	9.3	6	4	96	96	822110	817796	<0.2	<0.2	2.0	2.0								
IM1	Sunny	Moderate	15:37	7.0	Surface	1.0	0.7	346	28.9	7.6	7.6	18.2	18.2	86.6	86.5	6.0	5.6	3.2	7.8	3	5	87	91	818366	806471	<0.2	<0.2	1.5	1.7							
						1.0	0.8	356	28.9	7.6	7.6	18.2	18.2	86.4	86.5	6.0	5.6	3.3	7.8	5	5	87	91	818366	806471	<0.2	<0.2	1.8	1.7							
						3.5	0.7	344	28.0	7.7	7.7	21.4	21.4	74.6	74.4	5.2	5.2	5.7	5.7	4	5	91	91	818366	806471	<0.2	<0.2	1.7	1.7							
					3.5	0.7	316	28.0	7.7	7.7	21.4	21.4	74.1	74.4	5.2	5.2	6.0	6.0	4	5	91	94	818366	806471	<0.2	<0.2	1.8	1.7								
					6.0	0.3	351	26.5	7.6	7.6	27.9	27.9	63.3	63.4	4.4	4.4	14.2	14.2	5	4	94	95	818366	806471	<0.2	<0.2	1.9	1.7								
					6.0	0.3	323	26.5	7.6	7.6	27.9	27.9	63.4	63.4	4.4	4.4	14.2	14.2	7	4	95	95	818366	806471	<0.2	<0.2	1.7	1.7								
IM2	Sunny	Moderate	15:28	7.3	Surface	1.0	0.6	334	29.9	7.9	7.9	16.2	16.3	95.6	95.6	6.6	6.5	3.2	6.9	4	5	89	91	818845	806210	<0.2	<0.2	1.7	1.8							
						1.0	0.6	339	29.9	7.9	7.9	16.3	16.3	95.6	95.6	6.6	6.5	3.5	6.9	6	5	90	91	818845	806210	<0.2	<0.2	1.8	1.8							
						3.7	0.6	348	29.3	7.7	7.7	17.1	18.1	93.0	90.4	6.5	6.5	5.7	6.9	5	5	91	91	818845	806210	<0.2	<0.2	1.8	1.8							
					3.7	0.6	359	28.9	7.7	7.7	19.0	18.1	87.8	90.4	6.1	6.1	6.2	6.2	4	5	91	91	818845	806210	<0.2	<0.2	1.9	1.8								
					6.3	0.3	18	26.1	7.9	7.9	29.2	29.3	56.7	57.0	3.9	3.9	11.3	11.3	6	3.9	94	95	818845	806210	<0.2	<0.2	1.7	1.7								
					6.3	0.3	18	26.0	7.8	7.8	29.3	29.3	57.2	57.0	3.9	3.9	11.2	11.2	5	3.9	95	95	818845	806210	<0.2	<0.2	1.7	1.7								
IM3	Sunny	Moderate	15:19	7.7	Surface	1.0	0.5	328	30.2	7.9	7.9	13.5	13.5	96.0	96.2	6.7	6.8	3.4	5.6	4	5	91	92	819403	806033	<0.2	<0.2	2.1	2.1							
						1.0	0.5	344	30.2	7.9	7.9	13.5	13.5	96.4	96.9	6.7	6.8	3.4	5.6	4	5	92	94	819403	806033	<0.2	<0.2	2.1	2.1							
						3.9	0.5	344	29.3	7.9	7.9	18.1	18.1	99.0	98.9	6.9	6.9	4.7	4.7	5	5	94	94	819403	806033	<0.2	<0.2	2.0	2.1							
					3.9	0.6	349	29.3	7.9	7.9	18.0	18.1	98.8	98.9	6.8	6.8	4.7	4.7	5	5	94	96	819403	806033	<0.2	<0.2	2.3	2.1								
					6.7	0.4	53	26.5	7.8	7.8	27.4	27.6	65.3	65.9	4.5	4.5	8.4	8.4	6	4.6	96	96	819403	806033	<0.2	<0.2	2.2	2.1								
					6.7	0.4	54	26.4	7.8	7.8	27.8	27.6	66.5	65.9	4.6	4.6	8.8	8.8	6	4.6	96	96	819403	806033	<0.2	<0.2	2.0	2.1								
IM4	Sunny	Moderate	15:08	7.1	Surface	1.0	0.5	290	29.4	8.0	8.0	16.4	16.4	92.3	92.2	6.4	5.8	4.4	11.7	6	8	90	91	819570	805039	<0.2	<0.2	1.7	1.8							
						1.0	0.5	296	29.4	8.0	8.0	16.4	16.4	92.1	92.2	6.4	5.8	4.4	11.7	6	8	90	91	819570	805039	<0.2	<0.2	1.7	1.8							
						3.6	0.4	319	28.0	7.8	7.8	21.8	21.8	74.3	74.0	5.2	5.1	8.7	9.6	6	8	91	91	819570	805039	<0.2	<0.2	1.7	1.8							
					3.6	0.4	348	28.0	7.8	7.8	21.8	21.8	73.7	74.0	5.1	5.1	9.6	9.6	5	8	91	94	819570	805039	<0.2	<0.2	1.7	1.8								
					6.1	0.2	356	27.0	7.9	7.9	25.6	25.6	63.9	64.0	4.4	4.4	21.5	21.5	12	4.4	94	94	819570	805039	<0.2	<0.2	1.9	1.8								
					6.1	0.2	328	27.0	7.9	7.9	25.6	25.6	64.0	64.0	4.4	4.4	21.5	21.5	12	4.4	94	94	819570	805039	<0.2	<0.2	2.1	1.8								
IM5	Sunny	Moderate	14:54	6.1	Surface	1.0	0.3	332	29.6	7.9	7.9	13.5	13.5	82.3	82.2	5.8	5.4	5.4	9.2	8	7	91	91	820571	804921	<0.2	<0.2	2.2	2.0							
						1.0	0.3	344	29.6	7.9	7.9	13.5	13.5	82.0	82.2	5.8	5.4	5.5	9.2	7	7	91	91	820571	804921	<0.2	<0.2	2.1	2.0							
						3.1	0.4	4	28.3	7.8	7.8	20.0	19.9	70.8	70.9	4.9	4.9	3.7	3.8	6	7	93	94	820571	804921	<0.2	<0.2	2.1	2.0							
					3.1	0.4	4	28.4	7.8	7.8	19.8	19.9	70.9	70.9	4.9	4.9	3.8	3.8	8	7	94	94	820571	804921	<0.2	<0.2	2.2	2.0								
					5.1	0.2	2	26.4	7.8	7.8	28.1	28.2	54.4	54.6	3.7	3.7	18.6	18.6	6	3.8	96	96	820571	804921	<0.2	<0.2	1.7	2.0								
					5.1	0.3	2	26.4	7.8	7.8</																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 August 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	Value	DA	Value	DA	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
IM9	Sunny	Moderate	14:59	6.5	Surface	1.0	0.1	195	30.9	30.9	7.7	7.7	9.0	9.0	91.0	91.0	6.4	6.1	5.7	6.7	7	6	86	88	822107	808805	<0.2	<0.2	4.0	3.9				
						1.0	0.1	198	30.9	30.9	7.7	7.7	9.0	9.0	90.9	90.9	6.4	6.1	5.6	6.7	6	6	85	88			<0.2	<0.2	3.8	3.9				
					Middle	3.3	0.1	251	30.4	30.4	7.7	7.7	10.5	10.5	80.8	80.8	5.7	5.8	6.4	6.7	5	4	87	87			<0.2	<0.2	4.0	3.8				
						3.3	0.1	261	30.4	30.4	7.7	7.7	10.5	10.5	80.8	80.8	5.7	5.8	6.4	6.7	6	4	87	87			<0.2	<0.2	4.0	3.8				
					Bottom	5.5	0.1	226	28.8	28.8	7.6	7.6	19.0	19.0	68.8	68.8	4.8	4.8	7.9	4.8	7.9	4	4	91			91	<0.2	<0.2	3.6	3.6			
						5.5	0.1	231	28.8	28.8	7.6	7.6	19.0	19.0	68.8	68.8	4.8	4.8	7.9	4.8	7.9	4	4	91			91	<0.2	<0.2	3.6	3.6			
IM10	Sunny	Moderate	15:07	6.2	Surface	1.0	0.2	16	30.8	30.8	7.8	7.8	9.7	9.7	86.9	86.9	6.1	5.8	5.8	7.5	4	4	86	89	822250	809857	<0.2	<0.2	3.5	3.5				
						1.0	0.2	16	30.8	30.8	7.8	7.8	9.7	9.7	86.9	86.9	6.1	5.8	5.8	7.5	5	4	87	87			<0.2	<0.2	3.3	3.5				
					Middle	3.1	0.4	322	29.9	29.9	7.7	7.7	12.5	12.5	77.5	77.5	5.5	5.5	4.9	4	4	87	87	<0.2			<0.2	3.7	3.5					
						3.1	0.4	327	29.9	29.9	7.7	7.7	12.5	12.5	77.5	77.5	5.5	5.5	4.9	4	4	87	87	<0.2			<0.2	3.5	3.5					
					Bottom	5.2	0.2	291	28.2	28.2	7.6	7.6	22.2	22.2	65.9	65.9	4.6	4.6	11.7	4.6	11.7	5	4	93			93	<0.2	<0.2	3.5	3.5			
						5.2	0.2	309	28.2	28.2	7.6	7.6	22.2	22.2	65.9	65.9	4.6	4.6	11.7	4.6	11.7	4	4	93			93	<0.2	<0.2	3.4	3.4			
IM11	Sunny	Moderate	15:18	7.6	Surface	1.0	0.2	317	31.0	31.0	7.8	7.8	9.8	9.8	94.1	94.1	6.6	6.3	4.2	5.2	3	3	86	87	821484	810556	<0.2	<0.2	4.4	4.1				
						1.0	0.2	318	31.0	31.0	7.8	7.8	9.8	9.8	94.1	94.1	6.6	6.3	4.2	5.2	3	3	86	87			<0.2	<0.2	4.2	4.1				
					Middle	3.8	0.4	297	29.2	29.2	7.8	7.8	16.8	16.8	84.9	84.9	5.9	5.9	4.2	4	4	88	88	<0.2			<0.2	4.0	4.1					
						3.8	0.5	299	29.2	29.2	7.8	7.8	16.8	16.8	84.9	84.9	5.9	5.9	4.2	4	4	89	87	<0.2			<0.2	3.8	4.0					
					Bottom	6.6	0.2	307	28.2	28.2	7.7	7.7	22.6	22.6	74.8	74.8	5.2	5.2	7.1	3	3	87	87	<0.2			<0.2	4.0	4.0					
						6.6	0.3	328	28.2	28.2	7.7	7.7	22.6	22.6	74.8	74.8	5.2	5.2	7.1	4	4	86	86	<0.2			<0.2	3.9	3.9					
IM12	Sunny	Moderate	15:26	7.5	Surface	1.0	0.3	282	30.5	30.5	7.8	7.8	10.9	10.9	97.0	97.0	6.9	6.4	3.1	5.3	3	3	86	90	821181	811529	<0.2	<0.2	3.6	2.9				
						1.0	0.3	283	30.5	30.5	7.8	7.8	10.9	10.9	97.0	97.0	6.9	6.4	3.1	5.3	2	3	86	90			<0.2	<0.2	3.6	2.9				
					Middle	3.8	0.7	275	29.4	29.4	7.9	7.9	18.1	18.1	84.0	84.0	5.8	5.8	4.6	4	4	91	91	<0.2			<0.2	2.6	2.9					
						3.8	0.7	281	29.4	29.4	7.9	7.9	18.1	18.1	84.0	84.0	5.8	5.8	4.6	4	4	91	91	<0.2			<0.2	2.5	2.9					
					Bottom	6.5	0.1	279	27.0	27.0	7.6	7.6	27.0	27.0	62.4	62.4	4.3	4.3	8.2	3	3	94	94	<0.2			<0.2	2.6	2.6					
						6.5	0.2	306	27.0	27.0	7.6	7.6	27.0	27.0	62.4	62.4	4.3	4.3	8.2	3	3	93	93	<0.2			<0.2	2.4	2.4					
SR2	Sunny	Moderate	15:55	4.5	Surface	1.0	0.1	292	30.1	30.1	8.0	8.0	16.7	16.7	99.3	99.3	6.8	6.8	5.0	6.1	3	3	89	91	821448	814158	<0.2	<0.2	2.3	2.5				
						1.0	0.1	306	30.1	30.1	8.0	8.0	16.7	16.7	99.3	99.3	6.8	6.8	5.0	6.1	4	3	88	88			<0.2	<0.2	2.4	2.5				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					Bottom	3.5	0.0	220	28.6	28.6	7.7	7.7	20.6	20.6	78.4	78.4	5.4	5.4	7.1	3	3	93	93	<0.2			<0.2	2.5	2.6					
						3.5	0.0	240	28.6	28.6	7.7	7.7	20.6	20.6	78.4	78.4	5.4	5.4	7.1	3	3	93	93	<0.2			<0.2	2.5	2.6					
SR3	Sunny	Moderate	14:46	8.1	Surface	1.0	0.5	181	30.6	30.6	7.6	7.6	8.5	8.5	81.6	81.6	5.8	5.4	5.6	5.3	7	7	-	-	822131	807552	-	-	-	-				
						1.0	0.5	182	30.6	30.6	7.6	7.6	8.5	8.5	81.6	81.6	5.8	5.4	5.6	5.3	6	7	-	-			-	-						
					Middle	4.1	0.2	283	29.3	29.3	7.5	7.5	15.7	15.7	69.2	69.2	4.9	4.9	5.0	4	4	7	7	-			-	-	-					
						4.1	0.2	283	29.3	29.3	7.5	7.5	15.7	15.7	69.2	69.2	4.9	4.9	5.0	4	4	7	7	-			-	-	-					
					Bottom	7.1	0.1	179	28.2	28.2	7.5	7.5	20.5	20.5	61.3	61.3	4.3	4.3	5.4	3	3	7	7	-			-	-	-					
						7.1	0.1	184	28.2	28.2	7.5	7.5	20.5	20.5	61.3	61.3	4.3	4.3	5.4	3	3	7	7	-			-	-	-					
SR4A	Sunny	Moderate	16:20	8.1	Surface	1.0	0.0	295	30.0	30.0	8.1	8.1	16.3	16.3	114.8	115.0	7.9	8.2	5.3	7.0	6	7	-	-	817183	807796	-	-	-	-				
						1.0	0.0	297	30.0	30.0	8.1	8.1	16.3	16.3	114.8	115.1	8.0	8.2	5.4	7.0	6	7	-	-			-	-						
					Middle	4.1	0.2	259	30.0	30.0	7.8	7.8	18.8	18.9	124.4	124.2	8.5	8.5	8.7	5	7	7	7	-			-	-	-					
						4.1	0.2	269	30.0	30.0	7.8	7.8	18.9	18.9	123.9	123.9	8.4	8.7	8.7	7	7	7	7	-			-	-	-					
					Bottom	7.1	0.2	248	28.2	28.2	7.8	7.8	22.1	22.3	83.8	83.4	5.8	5.8	6.8	7	7	7	7	-			-	-	-					
						7.1	0.2	251	28.0	28.0	7.8	7.8	22.4	22.4	82.9	82.9	5.7	5.7	7.0	8	8	7	7	-			-	-	-					
SR5A	Sunny	Calm	16:38	4.0	Surface	1.0	0.1	196	29.8	29.8	8.2	8.2	18.4	18.4	126.1	126.0	8.6	8.6	5.6	5.9	6	6	-	-	816592	810688	-	-	-	-				
						1.0	0.1	199	29.8	29.8	8.2	8.2	18.4	18.4	125.8	125.8	8.6	8.6	5.8	5.9	5	6	-	-			-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
					Bottom	3.0	0.1	320	29.5	29.5	8.1	8.1	19.2	19.3	116.7	116.6	8.0	8.0	6.1	6.1	7	7	7	7			-	-	-	-				
						3.0	0.1	334	29.5	29.5	8.1	8.1	19.3	19.3	116.4	116.4	8.0	8.0	6.0	6.0	7	7	7	7			-	-	-	-				
SR6	Sunny	Calm	17:03	3.9	Surface	1.0	0.1	167	29.6	29.6	8.0	8.0	17.2	17.2	109.8	109.8	7.6	7.6	14.8	14.5	6	7	-	-	817893	814671	-	-	-	-				
						1.0	0.2	167	29.6	29.6	8.0	8.0	17.2	17.2	109.7	109.8	7.6	7.6	14.4	14.5	7	7	-	-			-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-			
					Bottom	2.9	0.1	80	29.3	29.3	8.0	8.0																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 August 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	Sunny	Moderate	10:59	8.9	Surface	1.0	0.9	203	29.1	7.8	7.8	15.9	15.9	88.4	88.2	6.2	3.1	6	82	87	815632	804264	<0.2	2.2	1.6												
						1.0	0.9	213	29.1	7.8	7.8	15.9	15.9	87.9	88.2	6.2	3.1	4	82	87	815632	804264	<0.2	2.0													
						4.5	0.6	225	27.1	7.7	7.7	25.7	25.7	73.3	73.3	5.1	5.2	5	89	88	815632	804264	<0.2	1.6													
					4.5	0.6	230	27.1	7.7	7.7	25.7	25.7	73.3	73.3	5.1	5.2	4	88	87	815632	804264	<0.2	1.7														
					7.9	0.6	218	25.5	7.6	7.6	30.5	30.5	56.3	56.3	3.9	11.6	6	91	90	815632	804264	<0.2	0.9														
					7.9	0.7	223	25.5	7.6	7.6	30.5	30.5	56.3	56.3	3.9	11.6	7	91	90	815632	804264	<0.2	0.9														
C2	Sunny	Moderate	12:44	10.8	Surface	1.0	1.5	167	30.5	7.7	7.7	12.5	12.5	91.3	91.3	6.4	5.1	6	84	90	825681	806925	<0.2	2.4	2.3												
						1.0	1.5	173	30.5	7.7	7.7	12.5	12.5	91.3	91.3	6.4	5.1	7	84	90	825681	806925	<0.2	2.3													
						5.4	0.8	174	27.2	7.6	7.6	25.2	25.2	59.3	59.3	4.1	12.2	6	91	90	825681	806925	<0.2	2.4													
					5.4	0.8	186	27.2	7.6	7.6	25.2	25.2	59.3	59.3	4.1	12.2	6	92	91	825681	806925	<0.2	2.2														
					9.8	0.2	141	26.6	7.6	7.6	27.9	27.9	59.2	59.2	4.1	16.6	6	94	93	825681	806925	<0.2	2.2														
					9.8	0.3	146	26.6	7.6	7.6	27.9	27.9	59.2	59.2	4.1	16.6	7	95	94	825681	806925	<0.2	2.3														
C3	Sunny	Moderate	10:07	12.6	Surface	1.0	0.4	100	28.5	7.9	7.9	21.8	21.8	104.3	104.3	7.2	3.0	4	91	93	822111	817783	<0.2	2.2	2.1												
						1.0	0.4	104	28.5	7.9	7.9	21.8	21.8	104.3	104.3	7.2	3.0	5	92	93	822111	817783	<0.2	2.5													
						6.3	0.3	45	27.3	7.8	7.8	25.9	25.9	80.6	80.6	5.5	4.5	5	93	93	822111	817783	<0.2	2.2													
					6.3	0.3	45	27.3	7.8	7.8	25.9	25.9	80.6	80.6	5.5	4.5	6	93	93	822111	817783	<0.2	2.0														
					11.6	0.2	63	25.4	7.7	7.7	31.3	31.3	69.9	69.9	4.8	9.4	6	95	94	822111	817783	<0.2	2.0														
					11.6	0.2	63	25.4	7.7	7.7	31.3	31.3	69.9	69.9	4.8	9.4	5	96	95	822111	817783	<0.2	1.7														
IM1	Sunny	Moderate	11:28	7.1	Surface	1.0	0.8	186	27.7	7.7	7.7	22.3	22.4	70.9	70.9	4.9	6.2	3	82	88	818357	806450	<0.2	2.3	1.7												
						1.0	0.9	193	27.7	7.7	7.7	22.4	22.4	70.8	70.9	4.9	6.2	2	82	88	818357	806450	<0.2	2.5													
						3.6	0.5	179	26.0	7.6	7.6	29.0	29.0	62.1	62.1	4.2	8.8	5	90	89	818357	806450	<0.2	1.9													
					3.6	0.5	186	26.0	7.6	7.6	29.0	29.0	62.1	62.1	4.2	8.9	7	89	89	818357	806450	<0.2	1.8														
					6.1	0.2	198	25.5	7.6	7.6	30.5	30.5	55.8	55.8	3.8	12.2	13	93	93	818357	806450	<0.2	0.8														
					6.1	0.2	199	25.5	7.6	7.6	30.5	30.5	55.8	55.8	3.8	12.2	12	92	92	818357	806450	<0.2	0.8														
IM2	Sunny	Moderate	11:36	8.0	Surface	1.0	1.0	198	29.7	7.8	7.8	15.4	15.4	89.4	89.4	6.2	4.6	4	81	88	818837	806178	<0.2	2.3	1.7												
						1.0	1.1	212	29.7	7.8	7.8	15.4	15.4	89.4	89.4	6.2	4.6	5	82	88	818837	806178	<0.2	2.3													
						4.0	0.8	199	27.6	7.7	7.7	23.2	23.2	68.3	68.3	4.7	8.9	7	88	88	818837	806178	<0.2	2.0													
					4.0	0.9	218	27.6	7.7	7.7	23.2	23.2	68.3	68.3	4.7	8.9	6	88	88	818837	806178	<0.2	1.6														
					7.0	0.5	184	26.2	7.7	7.7	28.2	28.2	60.3	60.4	4.2	26.5	16	93	93	818837	806178	<0.2	0.9														
					7.0	0.5	195	26.2	7.7	7.7	28.2	28.2	60.4	60.4	4.2	26.4	16	93	93	818837	806178	<0.2	0.9														
IM3	Sunny	Moderate	11:46	8.1	Surface	1.0	0.8	198	30.0	7.8	7.8	15.0	15.0	94.7	94.7	6.6	4.2	5	84	88	819398	806030	<0.2	2.2	2.0												
						1.0	0.8	202	30.0	7.8	7.8	15.0	15.0	94.7	94.7	6.6	4.1	4	84	88	819398	806030	<0.2	2.3													
						4.1	0.8	207	29.0	7.8	7.8	17.8	17.8	86.7	86.7	6.1	5.3	4	87	87	819398	806030	<0.2	2.1													
					4.1	0.8	212	29.0	7.8	7.8	17.8	17.8	86.7	86.7	6.1	5.3	5	87	87	819398	806030	<0.2	2.1														
					7.1	0.6	192	26.3	7.7	7.7	27.6	27.6	60.7	60.8	4.2	21.7	6	92	92	819398	806030	<0.2	1.5														
					7.1	0.7	199	26.3	7.7	7.7	27.6	27.6	60.8	60.8	4.2	21.4	6	93	93	819398	806030	<0.2	1.6														
IM4	Sunny	Moderate	11:55	7.4	Surface	1.0	0.8	172	29.3	7.7	7.7	15.6	15.6	87.1	87.1	6.1	7.1	8	85	89	819575	805058	<0.2	2.2	2.0												
						1.0	0.8	184	29.4	7.7	7.7	15.5	15.5	87.0	87.1	6.1	7.0	7	85	89	819575	805058	<0.2	2.2													
						3.7	0.5	184	28.4	7.7	7.7	19.8	19.8	79.5	79.5	5.5	9.2	6	90	89	819575	805058	<0.2	1.7													
					3.7	0.5	201	28.4	7.7	7.7	19.8	19.8	79.5	79.5	5.5	9.2	6	89	89	819575	805058	<0.2	1.7														
					6.4	0.3	206	26.7	7.7	7.7	26.2	26.2	64.7	64.7	4.5	11.1	14	93	93	819575	805058	<0.2	2.1														
					6.4	0.3	224	26.7	7.7	7.7	26.2	26.2	64.7	64.7	4.5	11.1	12	92	92	819575	805058	<0.2	1.8														
IM5	Sunny	Moderate	12:06	6.7	Surface	1.0	0.6	212	29.7	7.7	7.7	14.4	14.4	82.4	82.4	5.8	4.9	4	84	88	820549	804925	<0.2	2.2	2.1												
						1.0	0.6	214	29.7	7.7	7.7	14.4	14.4	82.4	82.4	5.8	4.9	6	83	88	820549	804925	<0.2	2.4													
						3.4	0.6	249	29.0	7.7	7.7	17.5	17.5	77.4	77.4	5.4	6.1	5	87	88	820549	804925	<0.2	2.2													
					3.4	0.6	252	29.0	7.7	7.7	17.5	17.5	77.4	77.4	5.4	6.1	5	88	88	820549	804925	<0.2	2.1														
					5.7	0.5	266	26.8	7.6	7.6	26.1	26.1	62.3	62.4	4.3	18.8	5	92	92	820549	804925	<0.2	1.6														
					5.7	0.5	284	26.8	7.6	7.6	26.1	26.1	62.4	62.4	4.3	18.7	6	92	92	820549	804925	<0.2	2.1														
IM6	Sunny	Moderate	12:26	6.4	Surface	1.0	0.5	236	29.5	7.7	7.7	15.7	15.7	79.4	79.4	5.6	5.6	6	83	88	821072	805823	<0.2	1.9	2.0												
						1.0	0.5	248	29.5	7.7	7.7	15.7	15.7	79.3	79.4	5.6	5.7	6	84	88	821072	805823	<0.2	2.3													
						3.2	0.7	257	28.6	7.7	7.7	18.8	18.8	74.3	74.3	5.2	8.6	6	88	87	821072	805823	<0.2	2.1													
					3.2	0.7	282	28.6	7.7	7.7	18.8	18.8	74.3	74.3	5.2	8.6	6	87	87	821072	805823	<0.2	1.9														
					5.4	0.5	275	26.9	7.6	7.6	25.6	25.6	62.9	62.9	4.4	16.0	6	92	91	821072	805823	<0.2	2.0														
					5.4	0.5	301	26.9	7.6	7.6	25.5	25.6	62.9	62.9	4.4	16.1	7	91	91	821072	805823	<0.2	2.0														
IM7	Sunny	Moderate	12:35	7.6	Surface	1.0	0.9	249	29.9	7.6	7.6	13.6	13.6	80.1	80.2	5.6	4.9	3	84	89	821336	806833	<0.2	2.3	1.6												
						1.0	0.9	266	29.9	7.6	7.6	13.6	13.6	80.2	80.2	5.6	4.9	4	84	89	821336	806833	<0.2	2.3													
						3.8	0.8	269	27.3	7.6	7.6	24.3	24.3	64.5	64.5	4.5	8.6	11	91	90	821336	806833	<0.2	1.3													
					3.8	0.9	269	27.3	7.6																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 August 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	11:52	7.1	Surface	1.0	0.6	158	29.8	7.8	7.8	13.3	13.3	83.2	83.2	5.9	3.5	3	86	89	822109	808830	<0.2	2.8	2.7											
						1.0	0.6	171	29.8	7.8	7.8	13.3	13.3	83.2	83.2	5.9	3.5	4	87	89	<0.2	2.7														
					Middle	3.6	0.5	155	28.3	28.3	7.7	7.7	20.7	20.7	64.7	64.7	4.5	4.0	2	89	89	<0.2	2.7													
						3.6	0.5	159	28.3	28.3	7.7	7.7	20.7	20.7	64.7	64.7	4.5	4.0	2	89	89	<0.2	2.6													
					Bottom	6.1	0.2	145	27.5	27.5	7.7	7.7	24.5	24.5	62.1	62.1	4.3	7.0	5	93	92	<0.2	2.5													
						6.1	0.2	158	27.5	27.5	7.7	7.7	24.5	24.5	62.1	62.1	4.3	7.0	5	92	92	<0.2	2.6													
IM10	Sunny	Moderate	11:41	6.6	Surface	1.0	0.8	131	29.8	29.8	7.8	7.8	16.3	16.3	84.4	84.4	5.9	4.0	2	88	89	822254	809827	<0.2	2.2	2.2										
						1.0	0.8	131	29.8	29.8	7.8	7.8	16.3	16.3	84.4	84.4	5.9	4.0	3	88	88	<0.2	2.2													
					Middle	3.3	0.5	117	28.2	28.2	7.7	7.7	21.5	21.5	63.5	63.5	4.4	6.6	3	89	89	<0.2	2.2													
						3.3	0.6	121	28.2	28.2	7.7	7.7	21.5	21.5	63.5	63.5	4.4	6.6	3	89	89	<0.2	2.1													
					Bottom	5.6	0.3	92	27.3	27.3	7.7	7.7	25.3	25.3	61.6	61.6	4.2	10.7	5	92	92	<0.2	2.0													
						5.6	0.3	95	27.3	27.3	7.7	7.7	25.3	25.3	61.6	61.6	4.2	10.7	4	93	93	<0.2	2.2													
IM11	Sunny	Moderate	11:26	7.5	Surface	1.0	0.7	117	29.7	29.7	7.8	7.8	15.3	15.3	93.3	93.3	6.5	3.4	<2	88	89	821481	810547	<0.2	1.7	1.8										
						1.0	0.8	123	29.7	29.7	7.8	7.8	15.3	15.3	93.3	93.3	6.5	3.4	<2	88	88	<0.2	1.8													
					Middle	3.8	0.4	100	28.7	28.7	7.8	7.8	19.9	19.9	80.5	80.5	5.6	4.1	2	90	90	<0.2	1.9													
						3.8	0.5	101	28.7	28.7	7.8	7.8	19.9	19.9	80.5	80.5	5.6	4.1	2	89	89	<0.2	1.7													
					Bottom	6.5	0.3	93	27.5	27.5	7.7	7.7	24.3	24.3	64.3	64.3	4.4	8.3	4	93	93	<0.2	1.8													
						6.5	0.3	99	27.5	27.5	7.7	7.7	24.3	24.3	64.3	64.3	4.4	8.3	6	93	93	<0.2	1.7													
IM12	Sunny	Moderate	11:12	8.8	Surface	1.0	0.6	100	29.7	29.7	7.9	7.9	16.6	16.6	93.0	93.0	6.5	3.4	3	88	89	821163	811501	<0.2	1.9	2.1										
						1.0	0.7	100	29.7	29.7	7.9	7.9	16.6	16.6	93.0	93.0	6.5	3.4	3	87	87	<0.2	1.8													
					Middle	4.4	0.5	74	28.9	28.9	7.8	7.8	18.2	18.2	81.4	81.4	5.7	4.7	3	89	89	<0.2	1.9													
						4.4	0.5	79	28.9	28.9	7.8	7.8	18.2	18.2	81.4	81.4	5.7	4.7	5	89	89	<0.2	2.0													
					Bottom	7.8	0.3	88	27.5	27.5	7.7	7.7	24.3	24.3	63.9	63.9	4.4	10.1	3	93	93	<0.2	2.6													
						7.8	0.3	88	27.5	27.5	7.7	7.7	24.3	24.3	63.9	63.9	4.4	10.1	4	93	93	<0.2	2.6													
SR2	Sunny	Moderate	10:39	4.8	Surface	1.0	0.6	59	29.3	29.3	7.8	7.8	17.4	17.4	89.0	89.0	6.2	3.3	<2	88	89	821471	814156	<0.2	2.0	2.1										
						1.0	0.6	64	29.3	29.3	7.8	7.8	17.4	17.4	89.0	89.0	6.2	3.3	<2	89	89	<0.2	2.2													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-					
					Bottom	3.8	0.3	63	27.9	27.9	7.7	7.7	22.8	22.8	74.6	74.6	5.2	4.6	4	92	92	<0.2	2.1													
						3.8	0.3	65	27.9	27.9	7.7	7.7	22.8	22.8	74.6	74.6	5.2	4.6	3	92	92	<0.2	2.1													
SR3	Sunny	Moderate	12:09	8.5	Surface	1.0	0.8	178	29.9	29.9	7.7	7.7	12.4	12.4	79.2	79.2	5.6	4.4	<2	-	-	822159	807576	-	-	-										
						1.0	0.9	187	29.9	29.9	7.7	7.7	12.4	12.4	79.2	79.2	5.6	4.4	<2	-	-	-	-													
					Middle	4.3	0.4	193	27.3	27.3	7.7	7.7	25.4	25.4	60.2	60.2	4.1	10.4	6	-	-	-	-													
						4.3	0.5	194	27.3	27.3	7.7	7.7	25.4	25.4	60.2	60.2	4.1	10.4	4	-	-	-	-													
					Bottom	7.5	0.3	213	26.8	26.8	7.7	7.7	26.9	26.9	59.3	59.3	4.1	12.2	5	-	-	-	-													
						7.5	0.3	216	26.8	26.8	7.7	7.7	26.9	26.9	59.3	59.3	4.1	12.2	5	-	-	-	-													
SR4A	Sunny	Moderate	10:39	8.8	Surface	1.0	0.0	225	28.3	28.3	7.7	7.7	19.9	19.9	78.9	78.8	5.5	4.4	<2	-	-	817173	807822	-	-	-										
						1.0	0.0	233	28.3	28.3	7.7	7.7	19.9	19.9	78.7	78.7	5.5	4.5	<2	-	-	-	-													
					Middle	4.4	0.2	104	25.7	25.7	7.6	7.6	29.8	29.8	56.7	56.7	3.9	10.8	5	-	-	-	-													
						4.4	0.2	109	25.7	25.7	7.6	7.6	29.8	29.8	56.7	56.7	3.9	10.8	6	-	-	-	-													
					Bottom	7.8	0.2	105	25.5	25.5	7.6	7.6	30.5	30.5	57.0	57.1	3.9	14.8	6	-	-	-	-													
						7.8	0.2	110	25.5	25.5	7.6	7.6	30.5	30.5	57.1	57.1	3.9	14.9	6	-	-	-	-													
SR5A	Sunny	Moderate	10:21	4.9	Surface	1.0	0.1	51	29.8	29.8	8.1	8.1	19.1	19.1	134.6	134.6	9.2	4.5	5	-	-	816611	810702	-	-	-										
						1.0	0.1	53	29.8	29.8	8.1	8.1	19.1	19.1	134.5	134.5	9.2	4.5	6	-	-	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-							
					Bottom	3.9	0.1	81	28.0	28.0	7.7	7.7	22.9	22.9	80.5	80.5	5.6	8.7	11	-	-	-	-													
						3.9	0.1	85	28.0	28.0	7.7	7.7	22.9	22.9	80.5	80.5	5.6	8.7	11	-	-	-	-													
SR6	Sunny	Moderate	09:50	4.8	Surface	1.0	0.1	41	30.0	30.0	8.1	8.1	17.9	17.9	130.9	130.6	9.0	3.7	6	-	-	817890	814675	-	-	-										
						1.0	0.1	44	30.0	30.0	8.1	8.1	17.9	17.9	130.3	130.6	8.9	3.7	5	-	-	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
					Bottom	3.8	0.1	18	28.0	28.0	7.6	7.6	22.4	22.4	77.8	77.8	5.4	7.4	6	-	-	-	-													
						3.8	0.1	19	28.0	28.0	7.6	7.6	22.4	22.4	77.8	77.8	5.4	7.4	6	-	-	-	-													
SR7	Sunny	Moderate	09:22	16.1	Surface	1.0	0.5	68	28.6	28.6	7.9	7.9	21.0	21.0	115.7	115.7	8.0	2.0	4	-	-	823635	823722	-	-	-										
						1.0	0.5	72	28.6	28.6	7.9	7.9	21.0	21.0	115.7	115.7	8.0	2.0	2	-	-	-	-													
					Middle	8.1	0.2	65	27.6	27.6	7.8	7.8	24.1	24.1	88.9	88.9	6.1	3.2	6	-	-	-	-													
						8.1	0.2	70	27.6	27.6	7.8	7.8	24.1	24.1	88.9	88.9	6.1	3.2	4	-	-	-	-													
					Bottom	15.1	0.4	47	25.4	25.4	7.7	7.7	31.5	31.5	69.7	69.7	4.8	5.0	6	-	-	-	-													
						15.1	0.5	50	25.4	25.4	7.7	7.7	31.5	31.5	69.7	69.7	4.8	5.0	6	-	-	-	-													
SR8	Sunny	Moderate	11:01	4.1	Surface	1.0	-	-	29.8	29.8	7.8	7.8	17.6	17.6	97.4	97.4	6.7	10.3	7	-	-	820246	811418	-	-	-										
						1.0	-	-	29.8	29.8	7.8	7.8	17.6	17.6	97.4	97.4	6.7	10.3	6	-																

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 August 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	Moderate	17:44	8.2	Surface	1.0	0.5	6	29.7	29.7	7.8	7.8	16.6	16.6	87.7	87.6	6.1	7.8	8	84	8	84	89	815611	804240	<0.2	<0.2	2.1	1.9							
						1.0	0.5	6	29.7	29.7	7.8	7.8	16.6	16.6	87.4	87.6	6.1	7.9	8	85	8	85	89	815611	804240	<0.2	<0.2	2.0	1.8							
						4.1	0.5	19	27.6	27.6	7.7	7.7	21.6	21.6	68.8	68.8	4.8	13.1	11	89	11	90	11	90	89	815611	804240	<0.2	<0.2	1.8	1.9					
					Middle	4.1	0.5	19	27.6	27.6	7.7	7.7	21.6	21.6	68.8	68.8	4.8	13.1	11	89	11	90	11	90	11	90	89	815611	804240	<0.2	<0.2	1.8	1.9			
						7.2	0.4	23	26.7	26.7	7.7	7.7	26.2	26.2	66.8	66.8	4.6	15.6	11	92	11	92	11	92	11	92	89	815611	804240	<0.2	<0.2	1.9	1.8			
						7.2	0.4	25	26.7	26.7	7.7	7.7	26.2	26.2	66.8	66.8	4.6	15.7	11	92	11	92	11	92	11	92	89	815611	804240	<0.2	<0.2	2.0	1.8			
C2	Sunny	Moderate	16:31	10.9	Surface	1.0	0.7	198	30.0	30.0	7.5	7.5	12.0	12.0	73.1	73.1	5.2	11.6	9	86	9	86	90	825696	806937	<0.2	<0.2	2.9	2.8							
						1.0	0.7	212	30.0	30.0	7.5	7.5	12.0	12.0	73.1	73.1	5.2	11.6	10	86	10	86	10	86	90	825696	806937	<0.2	<0.2	2.8	2.8					
						5.5	0.1	142	28.4	28.4	7.5	7.5	19.0	19.0	58.1	58.1	4.1	12.3	10	91	10	91	10	91	89	825696	806937	<0.2	<0.2	2.9	3.0					
					Middle	5.5	0.2	142	28.4	28.4	7.5	7.5	19.0	19.0	58.1	58.1	4.1	12.3	10	91	10	91	10	91	10	91	89	825696	806937	<0.2	<0.2	3.0	3.0			
						9.9	0.3	329	27.3	27.3	7.5	7.5	26.2	26.3	54.7	54.8	3.8	16.9	13	94	13	94	13	94	13	94	89	825696	806937	<0.2	<0.2	2.7	2.7			
						9.9	0.3	331	27.3	27.3	7.5	7.5	26.4	26.3	54.8	54.8	3.8	16.9	14	94	14	94	14	94	14	94	89	825696	806937	<0.2	<0.2	2.7	2.7			
C3	Sunny	Moderate	18:26	11.5	Surface	1.0	0.5	240	28.3	28.3	8.0	8.0	22.9	22.9	103.3	103.3	7.1	11.6	6	91	6	91	89	822101	817817	<0.2	<0.2	1.6	1.7							
						1.0	0.5	252	28.3	28.3	8.0	8.0	22.9	22.9	103.3	103.3	7.1	11.6	7	92	7	92	7	92	89	822101	817817	<0.2	<0.2	1.7	1.7					
						5.8	0.5	247	26.7	26.7	7.9	7.9	28.0	28.0	79.0	79.0	5.4	9.2	6	93	6	93	6	93	89	822101	817817	<0.2	<0.2	1.7	1.7					
					Middle	5.8	0.5	248	26.7	26.7	7.9	7.9	28.0	28.0	79.0	79.0	5.4	9.2	7	93	7	93	7	93	7	93	89	822101	817817	<0.2	<0.2	1.6	1.7			
						10.5	0.3	267	26.0	26.0	7.8	7.8	29.7	29.7	64.4	64.4	4.4	15.4	12	94	12	94	12	94	12	94	89	822101	817817	<0.2	<0.2	1.7	1.7			
						10.5	0.3	277	26.0	26.0	7.8	7.8	29.7	29.7	64.4	64.4	4.4	15.4	11	94	11	94	11	94	11	94	89	822101	817817	<0.2	<0.2	1.6	1.6			
IM1	Sunny	Moderate	17:23	6.8	Surface	1.0	0.2	7	29.9	29.9	7.8	7.8	15.3	15.3	102.5	102.5	7.1	5.8	5	84	5	84	89	818355	806442	<0.2	<0.2	1.9	1.8							
						1.0	0.2	7	29.9	29.9	7.8	7.8	15.3	15.3	102.5	102.5	7.1	5.9	4	84	4	84	4	84	89	818355	806442	<0.2	<0.2	1.8	1.8					
						3.4	0.4	355	29.4	29.4	7.9	7.9	19.2	19.2	102.9	102.9	7.1	10.0	7	90	7	90	7	90	7	90	89	818355	806442	<0.2	<0.2	1.7	1.7			
					Middle	3.4	0.4	327	29.4	29.4	7.9	7.9	19.2	19.2	102.9	102.9	7.1	10.0	5	91	5	91	5	91	5	91	89	818355	806442	<0.2	<0.2	1.8	1.7			
						5.8	0.4	349	28.3	28.3	7.8	7.8	22.5	22.5	92.7	92.7	6.4	14.8	11	93	11	93	11	93	11	93	89	818355	806442	<0.2	<0.2	1.4	1.4			
						5.8	0.4	321	28.3	28.3	7.8	7.8	22.5	22.5	92.7	92.7	6.4	14.8	10	93	10	93	10	93	10	93	89	818355	806442	<0.2	<0.2	1.4	1.4			
IM2	Sunny	Moderate	17:17	7.7	Surface	1.0	0.2	347	30.0	30.0	7.8	7.8	14.0	14.2	101.8	101.8	7.0	6.4	6	84	6	84	89	818860	806178	<0.2	<0.2	2.1	2.0							
						1.0	0.2	348	30.0	30.0	7.8	7.8	14.3	14.2	101.8	101.8	7.0	6.4	5	84	5	84	5	84	89	818860	806178	<0.2	<0.2	2.2	2.2					
						3.9	0.3	7	29.4	29.4	7.8	7.8	18.7	18.7	97.3	97.4	6.8	8.7	4	89	4	89	4	89	4	89	89	818860	806178	<0.2	<0.2	2.3	2.3			
					Middle	3.9	0.3	7	29.4	29.4	7.8	7.8	18.7	18.7	97.3	97.4	6.8	8.7	6	89	6	89	6	89	6	89	89	818860	806178	<0.2	<0.2	2.3	2.3			
						6.7	0.5	19	28.5	28.5	7.9	7.9	22.8	22.8	97.7	97.7	6.7	13.6	6	93	6	93	6	93	6	93	89	818860	806178	<0.2	<0.2	1.5	1.5			
						6.7	0.5	19	28.5	28.5	7.9	7.9	22.8	22.8	97.7	97.7	6.7	13.7	5	93	5	93	5	93	5	93	89	818860	806178	<0.2	<0.2	1.6	1.6			
IM3	Sunny	Moderate	17:10	8.0	Surface	1.0	0.2	302	29.9	29.9	7.8	7.8	13.2	13.2	88.1	88.0	6.2	7.8	4	85	4	85	89	819402	806002	<0.2	<0.2	2.5	2.2							
						1.0	0.2	312	29.9	29.9	7.8	7.8	13.2	13.2	87.9	88.0	6.2	7.8	6	85	6	85	6	85	89	819402	806002	<0.2	<0.2	2.5	2.5					
						4.0	0.4	16	28.6	28.6	7.7	7.7	19.2	19.2	77.3	77.3	5.4	14.6	6	88	6	88	6	88	6	88	89	819402	806002	<0.2	<0.2	2.3	2.2			
					Middle	4.0	0.4	17	28.6	28.6	7.7	7.7	19.2	19.2	77.3	77.3	5.4	14.6	7	89	7	89	7	89	7	89	89	819402	806002	<0.2	<0.2	2.4	2.4			
						7.0	0.4	34	27.6	27.6	7.7	7.7	23.0	23.0	71.7	71.7	5.0	18.2	10	93	10	93	10	93	10	93	89	819402	806002	<0.2	<0.2	1.5	1.5			
						7.0	0.4	36	27.6	27.6	7.7	7.7	23.0	23.0	71.7	71.7	5.0	18.4	12	93	12	93	12	93	12	93	89	819402	806002	<0.2	<0.2	1.7	1.7			
IM4	Sunny	Moderate	17:02	7.1	Surface	1.0	0.3	314	29.3	29.3	7.7	7.7	15.3	15.3	76.9	76.9	5.4	10.1	8	85	8	85	90	819585	805036	<0.2	<0.2	2.6	2.2							
						1.0	0.3	344	29.3	29.3	7.7	7.7	15.3	15.3	76.9	76.9	5.4	10.1	7	86	7	86	7	86	90	819585	805036	<0.2	<0.2	2.6	2.4					
						3.6	0.4	1	28.4	28.4	7.7	7.7	19.5	19.5	70.8	70.8	4.9	13.6	8	91	8	91	8	91	8	91	90	819585	805036	<0.2	<0.2	2.4	2.4			
					Middle	3.6	0.4	1	28.4	28.4	7.7	7.7	19.5	19.5	70.8	70.8	4.9	13.6	9	91	9	91	9	91	9	91	90	819585	805036	<0.2	<0.2	2.4	2.4			
						6.1	0.5	23	27.2	27.2	7.7	7.7	24.5	24.5	65.3	65.3	4.5	17.0	10	93	10	93	10	93	10	93	90	819585	805036	<0.2	<0.2	1.6	1.6			
						6.1	0.5	23	27.2	27.2	7.7	7.7	24.5	24.5	65.3	65.3	4.5	17.0	12	94	12	94	12	94	12	94	90	819585	805036	<0.2	<0.2	1.6	1.6			
IM5	Sunny	Moderate	16:50	6.1	Surface	1.0	0.4	335	29.5	29.5	7.6	7.6	14.3	14.3	77.5	77.5	5.5	8.7	11	84	11	84	90	820551	804929	<0.2	<									

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 August 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Misty	Moderate	13:12	8.5	Surface	1.0	0.8	220	28.2	28.2	7.7	7.7	23.6	23.6	75.2	75.2	5.2		3.9		5		90		815617	804250	<0.2		2.3					
						1.0	0.8	241	28.2	28.2	7.7	7.7	23.6	23.6	75.2	75.2	5.2	4.8	3.9		7		90				<0.2		2.6					
						4.3	0.8	210	27.3	27.3	7.7	7.7	25.9	25.9	62.5	62.5	4.3		4.8		6		92				<0.2		2.1					
					Middle	4.3	0.9	230	27.3	27.3	7.7	7.7	25.9	25.9	62.5	62.5	4.3		4.8		5		92						<0.2		2.1			
						7.5	0.6	218	25.1	25.1	7.6	7.6	31.6	31.6	50.7	50.7	3.5	3.5	13.0		6		96						<0.2		2.1			
						7.5	0.7	224	25.1	25.1	7.6	7.6	31.6	31.6	50.7	50.7	3.5	3.5	13.0		6		95						<0.2		2.2			
C2	Misty	Moderate	15:50	9.2	Surface	1.0	1.3	178	30.4	30.4	7.8	7.8	14.2	14.3	83.8	83.8	5.8		12.9		6		87		825674	806925	<0.2		2.7					
						1.0	1.4	192	30.4	30.4	7.8	7.8	14.3	14.3	83.8	83.8	5.8	5.3	12.9		8		86				<0.2		2.9					
						4.6	1.0	181	28.3	28.3	7.8	7.8	21.3	21.3	68.3	68.3	4.7		45.1		14		89				<0.2		2.7					
					Middle	4.6	1.0	191	28.3	28.3	7.8	7.8	21.3	21.3	68.3	68.3	4.7		45.1		12		91						<0.2		2.5			
						8.2	0.4	193	27.2	27.2	7.9	7.9	26.3	26.3	65.8	65.8	4.5	4.5	50.4		15		92						<0.2		2.5			
						8.2	0.4	201	27.2	27.2	7.9	7.9	26.3	26.3	65.8	65.8	4.5	4.5	50.4		14		91						<0.2		2.5			
C3	Misty	Moderate	12:44	12.5	Surface	1.0	0.6	105	27.7	27.7	8.0	8.0	25.6	25.6	86.2	86.2	5.9		12.3		9		87		822116	817798	<0.2		1.6					
						1.0	0.6	114	27.7	27.7	8.0	8.0	25.6	25.6	86.2	86.2	5.9	5.6	12.3		10		88				<0.2		1.3					
						6.3	0.2	71	26.7	26.7	8.0	8.0	28.4	28.4	76.7	76.7	5.2		13.3		12		89				<0.2		0.7					
					Middle	6.3	0.3	75	26.7	26.7	8.0	8.0	28.4	28.4	76.7	76.7	5.2		13.3		11		89						<0.2		0.6			
						11.5	0.4	41	25.7	25.7	7.9	7.9	31.1	31.1	68.3	68.3	4.7	4.7	26.6		12		92						<0.2		0.5			
						11.5	0.4	43	25.7	25.7	7.9	7.9	31.1	31.1	68.3	68.3	4.7	4.7	26.6		13		91						<0.2		0.6			
IM1	Misty	Moderate	13:39	7.3	Surface	1.0	0.8	190	27.8	27.8	7.7	7.7	24.5	24.5	67.5	67.5	4.6		6.8		5		91		818363	806452	<0.2		1.6					
						1.0	0.8	199	27.8	27.8	7.7	7.7	24.5	24.5	67.5	67.5	4.6	3.9	6.8		6		92				<0.2		1.8					
						3.7	0.5	190	26.0	26.0	7.6	7.6	29.3	29.3	47.0	47.0	3.2		8.9		8		95				<0.2		2.0					
					Middle	3.7	0.6	203	26.0	26.0	7.6	7.6	29.3	29.3	46.9	46.9	3.2		8.9		7		94						<0.2		2.4			
						6.3	0.2	191	25.4	25.4	7.6	7.6	30.9	30.9	44.4	44.4	3.1	3.1	14.6		11		95						<0.2		1.5			
						6.3	0.2	196	25.4	25.4	7.6	7.6	30.9	30.9	44.4	44.4	3.1	3.1	14.6		9		95						<0.2		1.4			
IM2	Misty	Moderate	13:48	8.4	Surface	1.0	0.8	215	29.4	29.4	7.8	7.8	20.2	20.2	80.4	80.4	5.5		4.7		5		91		818859	806205	<0.2		1.8					
						1.0	0.9	220	29.4	29.4	7.8	7.8	20.2	20.2	80.4	80.4	5.5	5.2	4.7		6		90				<0.2		1.7					
						4.2	0.8	209	28.7	28.7	7.7	7.7	23.0	23.0	71.3	71.3	4.9		6.7		8		91				<0.2		1.9					
					Middle	4.2	0.9	224	28.7	28.7	7.7	7.7	23.0	23.0	71.3	71.3	4.9		6.7		9		91						<0.2		1.9			
						7.4	0.6	192	26.3	26.3	7.6	7.6	28.2	28.2	52.3	52.3	3.6	3.6	12.2		8		94						<0.2		2.1			
						7.4	0.7	204	26.3	26.3	7.6	7.6	28.2	28.2	52.3	52.3	3.6	3.6	12.2		8		93						<0.2		1.9			
IM3	Misty	Moderate	13:59	8.2	Surface	1.0	0.9	210	29.9	29.9	7.8	7.8	19.5	19.5	83.5	83.5	5.7		5.0		4		89		819394	806006	<0.2		2.0					
						1.0	0.9	218	29.9	29.9	7.8	7.8	19.5	19.5	83.5	83.5	5.7	5.2	5.0		6		89				<0.2		2.3					
						4.1	0.7	208	28.0	28.0	7.7	7.7	23.8	23.8	67.0	67.0	4.6		11.5		10		91				<0.2		2.0					
					Middle	4.1	0.7	211	28.0	28.0	7.7	7.7	23.8	23.8	67.0	67.0	4.6		11.5		8		92						<0.2		2.0			
						7.2	0.6	216	26.2	26.2	7.7	7.7	28.5	28.5	50.1	50.1	3.5	3.5	16.4		9		93						<0.2		2.1			
						7.2	0.6	233	26.2	26.2	7.7	7.7	28.5	28.5	50.1	50.1	3.5	3.5	16.4		9		93						<0.2		2.0			
IM4	Misty	Moderate	14:09	7.5	Surface	1.0	0.8	199	29.8	29.8	7.8	7.8	17.9	17.9	80.0	80.0	5.5		13.2		4		89		819577	805022	<0.2		1.5					
						1.0	0.8	216	29.8	29.8	7.8	7.8	17.9	17.9	80.0	80.0	5.5	5.1	13.2		7		89				<0.2		1.3					
						3.8	0.6	218	28.1	28.1	7.8	7.8	23.5	23.5	66.8	66.8	4.6		10.2		8		91				<0.2		1.4					
					Middle	3.8	0.6	230	28.1	28.1	7.8	7.8	23.5	23.5	66.8	66.8	4.6		10.2		10		90						<0.2		1.4			
						6.5	0.5	239	26.5	26.5	7.7	7.7	28.2	28.2	54.7	54.7	3.8	3.8	11.7		8		93						<0.2		1.3			
						6.5	0.5	240	26.5	26.5	7.7	7.7	28.2	28.2	54.7	54.7	3.8	3.8	11.7		10		94						<0.2		1.4			
IM5	Misty	Moderate	14:29	6.7	Surface	1.0	1.1	203	29.8	29.8	7.8	7.8	17.7	17.7	80.8	80.8	5.6		6.8		6		88		820550	804931	<0.2		1.7					
						1.0	1.2	207	29.8	29.8	7.8	7.8	17.7	17.7	80.8	80.8	5.6	5.0	6.8		7		89				<0.2		1.6					
						3.4	0.9	223	27.8	27.8	7.7	7.7	23.6	23.6	62.4	62.4	4.3		11.3		6		91				<0.2		1.5					
					Middle	3.4	1.0	236	27.8	27.8	7.7	7.7	23.6	23.6	62.4	62.4	4.3		11.3		8		91						<0.2		1.4			
						5.7	0.7	221	26.4	26.4	7.7	7.7	27.8	27.8	54.3	54.3	3.7	3.7	16.8		9		92						<0.2		1.8			
						5.7	0.7	233	26.4	26.4	7.7	7.7	27.8	27.8	54.3	54.3	3.7	3.7	16.8		11		93						<0.2		1.7			
IM6	Misty	Moderate	14:38	6.8	Surface	1.0	0.8	206	29.6	29.6	7.8	7.8	18.7	18.7	76.0	76.0	5.2		8.6		6		89		821043	805819	<0.2		1.7					
						1.0	0.9	208	29.6	29.6	7.8	7.8	18.7	18.7	76.0	76.0	5.2	4.7	8.6		6		90				<0.2		1.7					
						3.4	0.8	225	27.6	27.6	7.7	7.7	25.1	25.1	61.3	61.3	4.2		12.6	</														

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 August 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	Fine	Moderate	14:19	8.8	Surface	1.0	0.6	206	26.7	7.8	7.8	28.0	28.0	81.5	81.5	5.6	5.3	16.8	66.0	9	93	95	815633	804266	<0.2	<0.2	0.9	0.7								
						1.0	0.6	221	26.7	7.8	7.8	28.0	28.0	81.5	81.5	5.6	5.3	16.8	66.0	10	93	95	815633	804266	<0.2	<0.2	0.8	0.7								
						4.4	0.7	128	25.4	25.4	7.8	7.8	30.7	30.7	71.5	71.5	4.9	5.0	46.0	66.0	11	95	95	815633	804266	<0.2	<0.2	0.7	0.8							
					Middle	4.4	0.7	194	25.4	25.4	7.8	7.8	30.7	30.7	71.5	71.5	4.9	5.0	46.0	66.0	9	95	95	815633	804266	<0.2	<0.2	0.8	0.5							
						7.8	0.5	177	25.4	25.4	7.8	7.8	30.8	30.8	72.4	72.4	5.0	5.0	65	66.0	65	97	95	815633	804266	<0.2	<0.2	0.5	0.4							
						7.8	0.5	182	25.4	25.4	7.8	7.8	30.8	30.8	72.4	72.4	5.0	5.0	134.5	66.0	65	97	95	815633	804266	<0.2	<0.2	0.4	0.4							
C2	Cloudy	Rough	13:17	12.2	Surface	1.0	0.6	147	27.7	7.5	7.5	23.3	23.3	75.0	75.0	5.2	5.1	26.8	59.8	27	88	92	825664	806957	<0.2	<0.2	1.5	1.4								
						1.0	0.6	161	27.7	7.5	7.5	23.3	23.3	75.0	75.0	5.2	5.1	26.8	59.8	28	89	92	825664	806957	<0.2	<0.2	1.5	1.5								
						6.1	0.4	138	27.0	27.0	7.5	7.5	25.1	25.1	70.6	70.6	4.9	4.9	47.9	59.8	27	92	91	825664	806957	<0.2	<0.2	1.5	1.5							
					Middle	6.1	0.4	138	27.0	27.0	7.5	7.5	25.1	25.1	70.6	70.6	4.9	4.9	47.9	59.8	26	91	91	825664	806957	<0.2	<0.2	1.4	1.2							
						11.2	0.4	95	26.6	26.6	7.5	7.5	27.0	27.0	71.6	71.6	4.9	4.9	104.6	59.8	56	95	95	825664	806957	<0.2	<0.2	1.2	1.2							
						11.2	0.4	97	26.6	26.6	7.5	7.5	27.0	27.0	71.6	71.6	4.9	4.9	104.6	59.8	57	95	95	825664	806957	<0.2	<0.2	1.2	1.2							
C3	Cloudy	Moderate	15:06	12.3	Surface	1.0	0.2	120	27.0	7.7	7.7	26.4	26.5	75.0	74.9	5.2	5.1	15.8	22.2	18	94	97	822089	817812	<0.2	<0.2	0.5	0.6								
						1.0	0.2	128	27.0	27.0	7.7	7.7	26.5	26.5	74.8	74.9	5.1	5.1	16.9	22.2	16	94	97	822089	817812	<0.2	<0.2	0.5	0.5							
						6.2	0.1	50	26.8	26.8	7.7	7.7	27.2	27.2	74.0	74.0	5.1	5.1	22.8	22.2	20	97	97	822089	817812	<0.2	<0.2	0.6	0.6							
					Middle	6.2	0.1	52	26.8	26.8	7.7	7.7	27.2	27.2	74.0	74.0	5.1	5.1	22.8	22.2	22	97	99	822089	817812	<0.2	<0.2	0.6	0.6							
						11.3	0.1	345	26.6	26.6	7.7	7.7	27.7	27.7	78.7	78.7	5.4	5.4	27.3	22.2	20	99	99	822089	817812	<0.2	<0.2	0.5	0.5							
						11.3	0.1	317	26.6	26.6	7.7	7.7	27.7	27.7	78.7	78.7	5.4	5.4	27.3	22.2	20	99	99	822089	817812	<0.2	<0.2	0.6	0.6							
IM1	Fine	Moderate	14:01	7.8	Surface	1.0	0.4	162	26.8	26.8	7.9	7.9	27.9	27.9	82.3	82.3	5.6	5.5	12.2	17.1	11	93	95	818357	806460	<0.2	<0.2	0.7	0.9							
						1.0	0.5	174	26.8	26.8	7.9	7.9	27.9	27.9	82.3	82.3	5.6	5.5	12.2	17.1	11	93	95	818357	806460	<0.2	<0.2	1.0	1.0							
						3.9	0.4	167	26.0	26.0	7.9	7.9	28.8	28.8	78.3	78.3	5.4	5.4	13.6	17.1	10	94	95	818357	806460	<0.2	<0.2	1.0	1.0							
					Middle	3.9	0.4	182	26.0	26.0	7.9	7.9	28.8	28.8	78.3	78.3	5.4	5.4	13.6	17.1	9	95	95	818357	806460	<0.2	<0.2	1.0	1.0							
						6.8	0.4	173	25.5	25.5	7.8	7.8	30.2	30.2	74.4	74.5	5.1	5.1	25.4	17.1	12	97	97	818357	806460	<0.2	<0.2	1.0	1.0							
						6.8	0.4	180	25.5	25.5	7.8	7.8	30.2	30.2	74.5	74.5	5.1	5.1	25.3	17.1	10	96	96	818357	806460	<0.2	<0.2	1.0	1.0							
IM2	Fine	Moderate	13:55	8.8	Surface	1.0	0.5	197	27.2	27.2	7.9	7.9	26.6	26.6	84.5	84.5	5.8	5.6	14.9	26.7	10	93	95	818836	806189	<0.2	<0.2	1.1	0.9							
						1.0	0.6	210	27.2	27.2	7.9	7.9	26.6	26.6	84.5	84.5	5.8	5.6	14.9	26.7	9	93	95	818836	806189	<0.2	<0.2	1.1	1.1							
						4.4	0.4	188	25.8	25.8	7.8	7.8	29.3	29.3	76.1	76.1	5.3	5.3	28.9	26.7	10	96	95	818836	806189	<0.2	<0.2	1.0	0.9							
					Middle	4.4	0.4	205	25.8	25.8	7.8	7.8	29.3	29.3	76.1	76.1	5.3	5.3	28.9	26.7	10	95	95	818836	806189	<0.2	<0.2	0.9	0.9							
						7.8	0.3	189	25.6	25.6	7.8	7.8	30.0	30.0	74.8	74.8	5.2	5.2	36.2	26.7	30	97	97	818836	806189	<0.2	<0.2	0.8	0.8							
						7.8	0.3	190	25.6	25.6	7.8	7.8	30.0	30.0	74.8	74.8	5.2	5.2	36.1	26.7	33	97	97	818836	806189	<0.2	<0.2	0.7	0.7							
IM3	Fine	Moderate	13:47	8.8	Surface	1.0	0.5	228	27.3	27.3	7.8	7.8	26.3	26.3	85.4	85.4	5.8	5.6	15.3	41.5	10	93	96	819412	806010	<0.2	<0.2	1.0	1.0							
						1.0	0.5	236	27.3	27.3	7.8	7.8	26.3	26.3	85.4	85.4	5.8	5.6	15.3	41.5	12	93	96	819412	806010	<0.2	<0.2	0.9	0.9							
						4.4	0.6	212	26.0	26.0	7.8	7.8	28.5	28.5	77.0	77.0	5.3	5.3	27.8	41.5	16	96	96	819412	806010	<0.2	<0.2	1.0	1.0							
					Middle	4.4	0.6	233	26.0	26.0	7.8	7.8	28.5	28.5	77.0	77.0	5.3	5.3	27.8	41.5	18	96	96	819412	806010	<0.2	<0.2	1.1	1.1							
						7.8	0.4	216	25.7	25.7	7.8	7.8	29.7	29.7	75.5	75.5	5.2	5.2	81.7	41.5	22	99	99	819412	806010	<0.2	<0.2	1.0	1.0							
						7.8	0.4	230	25.7	25.7	7.8	7.8	29.7	29.7	75.5	75.5	5.2	5.2	81.3	41.5	21	98	98	819412	806010	<0.2	<0.2	1.0	1.0							
IM4	Fine	Moderate	13:38	8.5	Surface	1.0	0.6	191	27.2	27.2	7.8	7.8	26.7	26.7	83.4	83.4	5.7	5.6	16.9	42.6	13	94	96	819573	805049	<0.2	<0.2	0.8	0.9							
						1.0	0.6	209	27.2	27.2	7.8	7.8	26.7	26.7	83.4	83.4	5.7	5.6	16.9	42.6	13	93	96	819573	805049	<0.2	<0.2	0.8	0.8							
						4.3	0.6	168	26.2	26.2	7.8	7.8	28.7	28.7	77.7	77.7	5.4	5.4	20.0	42.6	16	97	96	819573	805049	<0.2	<0.2	0.9	0.9							
					Middle	4.3	0.7	170	26.2	26.2	7.8	7.8	28.7	28.7	77.7	77.7	5.4	5.4	20.1	42.6	15	96	96	819573	805049	<0.2	<0.2	0.8	0.8							
						7.5	0.5	159	25.6	25.6	7.8	7.8	30.1	30.1	73.2	73.2	5.1	5.1	90.9	42.6	25	99	99	819573	805049	<0.2	<0.2	0.9	0.9							
						7.5	0.5	172	25.6	25.6	7.8	7.8	30.1	30.1	73.2	73.2	5.1	5.1	90.8	42.6	23	99	99	819573	805049	<0.2	<0.2	0.9	0.9							
IM5	Fine	Moderate	13:25	7.5	Surface	1.0	0.4	219	27.4	27.4	7.8	7.8	27.0	27.0	85.0	85.0	5.8	5.6	14.5	24.7	10	93	96	820551	804943	<0.2	<0.2	1.0	1.0							
						1.0	0.5	235	27.4	27.4	7.8	7.8	27.0	27.0	85.0	85.0	5.8	5.6	14.5	24.7	11	93	96	820551	804943	<0.2	<0.2	1.0	1.0							
						3.8	0.4	204	26.4	26.4	7.8	7.8	28.1	28.1	78.4	78.4	5.4	5.4	18.7	24.7	12	96	95	820551	804943	<0.2	<0.2	1.1	1.0							
					Middle	3.8	0.4	210	26.4	26.4	7.8	7.8	28.1	28.1	78.4	78.4	5.4	5.4	18.7	24.7	12	95	95	820551	804943	<0.2	<0.2	1.0	1.0							
						6.5	0.3																													

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 August 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	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	08:09	8.8	Surface	1.0	0.5	20	26.3	7.9	7.9	27.7	27.7	78.9	78.9	5.5	5.3	24.7	191.3	18	312	91	99	815603	804249	<0.2	<0.2	1.0	0.9	
						1.0	0.5	21	26.3	26.3	7.9	7.9	27.7	27.7	78.9	78.9	5.5	5.3	24.8	191.3	18	312	92	99	815603	804249	<0.2	<0.2	0.8	0.9
						4.4	0.7	28	25.5	25.5	7.8	7.8	30.3	30.3	73.8	73.8	5.1	5.1	55.2	191.3	20	312	95	99	815603	804249	<0.2	<0.2	0.9	0.9
					4.4	0.7	30	25.5	25.5	7.8	7.8	30.3	30.3	73.8	73.8	5.1	5.1	55.2	191.3	21	312	96	99	815603	804249	<0.2	<0.2	0.9	0.9	
					7.8	0.7	30	25.2	25.2	7.8	7.8	31.4	31.4	72.6	72.6	5.0	5.0	493.3	191.3	111	312	922	99	815603	804249	<0.2	<0.2	0.9	0.9	
					7.8	0.8	31	25.2	25.2	7.8	7.8	31.4	31.4	72.7	72.7	5.0	5.0	494.3	191.3	870	312	110	99	815603	804249	<0.2	<0.2	0.8	0.8	
C2	Sunny	Moderate	09:07	11.9	Surface	1.0	0.1	328	27.6	7.6	7.6	21.7	21.7	72.1	72.1	5.0	5.0	17.9	30.9	13	28	96	100	825689	806942	<0.2	<0.2	1.2	1.3	
						1.0	0.1	352	27.6	27.6	7.6	7.6	21.7	21.7	72.0	72.0	5.0	5.0	17.9	30.9	13	28	94	100	825689	806942	<0.2	<0.2	1.0	1.3
						6.0	0.3	334	27.2	27.2	7.6	7.6	23.1	23.1	71.3	71.3	5.0	5.0	29.3	30.9	13	28	95	100	825689	806942	<0.2	<0.2	1.4	1.3
					6.0	0.3	343	27.2	27.2	7.6	7.6	23.1	23.1	71.3	71.3	5.0	5.0	29.3	30.9	14	28	98	100	825689	806942	<0.2	<0.2	1.4	1.3	
					10.9	0.7	52	27.1	27.1	7.6	7.6	23.8	23.8	74.1	74.1	5.2	5.2	45.6	30.9	60	28	105	100	825689	806942	<0.2	<0.2	1.5	1.3	
					10.9	0.7	54	27.1	27.1	7.6	7.6	23.8	23.8	74.1	74.1	5.2	5.2	45.6	30.9	57	28	110	100	825689	806942	<0.2	<0.2	1.2	1.2	
C3	Cloudy	Moderate	07:08	12.1	Surface	1.0	0.7	262	26.8	7.7	7.7	25.8	25.8	74.2	74.2	5.1	5.0	9.8	14.7	16	15	95	99	822091	817797	<0.2	<0.2	1.0	0.9	
						1.0	0.7	270	26.8	26.8	7.7	7.7	25.8	25.8	74.2	74.2	5.1	5.0	9.8	14.7	14	15	96	99	822091	817797	<0.2	<0.2	1.0	0.9
						6.1	0.6	254	26.4	26.4	7.7	7.7	27.4	27.4	69.6	69.6	4.8	4.8	13.3	14.7	15	15	98	99	822091	817797	<0.2	<0.2	0.8	0.9
					6.1	0.6	260	26.4	26.4	7.7	7.7	27.4	27.4	69.6	69.6	4.8	4.8	13.3	14.7	16	15	99	99	822091	817797	<0.2	<0.2	1.0	0.9	
					11.1	0.5	267	26.2	26.2	7.7	7.7	28.5	28.5	68.8	68.8	4.7	4.7	20.9	14.7	15	15	102	99	822091	817797	<0.2	<0.2	0.9	0.9	
					11.1	0.5	293	26.2	26.2	7.7	7.7	28.5	28.5	68.8	68.8	4.7	4.7	20.9	14.7	16	15	101	99	822091	817797	<0.2	<0.2	0.9	0.9	
IM1	Cloudy	Moderate	08:26	8.1	Surface	1.0	0.6	349	26.4	7.9	7.9	27.0	27.0	78.4	78.4	5.4	5.3	22.4	69.9	19	19	94	96	818351	806439	<0.2	<0.2	0.8	0.8	
						1.0	0.6	321	26.4	26.4	7.9	7.9	27.0	27.0	78.4	78.4	5.4	5.3	22.4	69.9	20	19	94	96	818351	806439	<0.2	<0.2	0.8	0.8
						4.1	0.7	359	26.2	26.2	7.9	7.9	27.8	27.8	74.2	74.2	5.1	5.1	38.8	69.9	20	19	96	96	818351	806439	<0.2	<0.2	1.0	0.8
					4.1	0.7	330	26.2	26.2	7.9	7.9	27.8	27.8	74.1	74.1	5.1	5.1	39.4	69.9	20	19	96	96	818351	806439	<0.2	<0.2	0.8	0.8	
					7.1	0.5	334	25.5	25.5	7.8	7.8	30.5	30.5	72.5	72.5	5.0	5.0	148.3	69.9	18	19	98	96	818351	806439	<0.2	<0.2	0.7	0.8	
					7.1	0.5	307	25.5	25.5	7.8	7.8	30.5	30.5	72.5	72.5	5.0	5.0	148.3	69.9	18	19	98	96	818351	806439	<0.2	<0.2	0.7	0.8	
IM2	Cloudy	Moderate	08:34	9.1	Surface	1.0	0.6	41	26.5	7.9	7.9	26.9	26.9	78.3	78.3	5.4	5.2	24.8	181.2	20	41	94	97	818850	806196	<0.2	<0.2	0.8	0.9	
						1.0	0.7	43	26.5	26.5	7.9	7.9	26.9	26.9	78.2	78.2	5.4	5.2	25.0	181.2	21	41	94	97	818850	806196	<0.2	<0.2	0.8	0.9
						4.6	0.7	43	25.7	25.7	7.8	7.8	29.5	29.5	72.8	72.8	5.0	5.0	72.4	181.2	20	41	97	97	818850	806196	<0.2	<0.2	1.1	0.9
					4.6	0.7	45	25.7	25.7	7.8	7.8	29.5	29.5	72.8	72.8	5.0	5.0	72.4	181.2	19	41	98	97	818850	806196	<0.2	<0.2	1.0	0.9	
					8.1	0.4	28	25.6	25.6	7.8	7.8	30.1	30.1	72.2	72.2	5.0	5.0	446.9	181.2	82	41	100	97	818850	806196	<0.2	<0.2	1.0	0.9	
					8.1	0.5	29	25.6	25.6	7.8	7.8	30.1	30.1	72.2	72.2	5.0	5.0	446.2	181.2	82	41	101	97	818850	806196	<0.2	<0.2	0.9	0.9	
IM3	Cloudy	Moderate	08:41	9.2	Surface	1.0	0.6	29	26.5	7.9	7.9	26.6	26.6	79.0	79.0	5.5	5.3	20.4	140.3	14	73	93	97	819399	806027	<0.2	<0.2	1.1	0.8	
						1.0	0.6	31	26.5	26.5	7.9	7.9	26.6	26.6	79.0	79.0	5.5	5.3	20.4	140.3	14	73	94	97	819399	806027	<0.2	<0.2	1.0	0.8
						4.6	0.6	38	26.3	26.3	7.9	7.9	27.2	27.2	73.8	73.8	5.1	5.1	37.3	140.3	15	73	95	97	819399	806027	<0.2	<0.2	1.0	0.8
					4.6	0.6	40	26.3	26.3	7.9	7.9	27.2	27.2	73.8	73.8	5.1	5.1	37.3	140.3	16	73	96	97	819399	806027	<0.2	<0.2	0.8	0.8	
					8.2	0.4	30	25.6	25.6	7.8	7.8	30.0	30.0	72.1	72.1	5.0	5.0	363.1	140.3	195	73	101	97	819399	806027	<0.2	<0.2	0.5	0.8	
					8.2	0.4	30	25.6	25.6	7.8	7.8	30.0	30.0	72.1	72.1	5.0	5.0	363.1	140.3	183	73	100	97	819399	806027	<0.2	<0.2	0.6	0.8	
IM4	Cloudy	Moderate	08:51	8.6	Surface	1.0	0.4	6	26.7	7.9	7.9	25.7	25.7	81.2	81.2	5.6	5.5	18.7	159.5	12	19	94	98	819574	805046	<0.2	<0.2	0.8	0.8	
						1.0	0.4	6	26.7	26.7	7.9	7.9	25.7	25.7	81.2	81.2	5.6	5.5	18.7	159.5	12	19	95	98	819574	805046	<0.2	<0.2	0.6	0.8
						4.3	0.6	43	26.3	26.3	7.9	7.9	27.1	27.1	77.4	77.4	5.4	5.4	24.9	159.5	17	19	97	98	819574	805046	<0.2	<0.2	0.9	0.8
					4.3	0.6	45	26.3	26.3	7.9	7.9	27.1	27.1	77.4	77.4	5.4	5.4	24.9	159.5	17	19	97	98	819574	805046	<0.2	<0.2	0.8	0.8	
					7.6	0.7	43	25.6	25.6	7.8	7.8	29.8	29.8	73.3	73.3	5.1	5.1	435.0	159.5	30	19	101	98	819574	805046	<0.2	<0.2	0.7	0.8	
					7.6	0.8	46	25.6	25.6	7.8	7.8	29.8	29.8	73.3	73.3	5.1	5.1	435.0	159.5	28	19	101	98	819574	805046	<0.2	<0.2	0.7	0.8	
IM5	Cloudy	Moderate	09:01	7.7	Surface	1.0	0.7	22	26.8	7.9	7.9	25.4	25.4	80.1	80.1	5.6	5.6	28.8	115.0	16	50	95	97	820550	804912	<0.2	<0.2	0.9	0.9	
						1.0	0.7	22	26.8	26.8	7.9	7.9	25.4	25.4	80.1	80.1	5.6	5.6	28.8	115.0	16	50	95	97	820550	804912	<0.2	<0.2	0.8	0.9
						3.9	0.6	37	26.7	26.7	7.9	7.9	25.8	25.8	78.6	78.6	5.5	5.5	102.6	115.0	60	50	96	97	820550	804912	<0.2	<0.2	0.8	0.9
					3.9	0.6	40</																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 August 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	Sunny	Moderate	15:22	9.2	Surface	1.0	0.3	187	27.0	7.6	7.6	26.5	26.5	73.7	73.7	5.1	5.0	5.0	4	88	90	815616	804246	<0.2	1.2	0.9										
						1.0	0.3	195	27.0	7.6	7.6	26.5	26.5	73.7	73.7	5.1	5.0	5.0	4	88	90	815616	804246	<0.2	1.2											
						4.6	0.5	189	25.5	25.5	7.6	7.6	30.9	30.9	70.3	70.4	4.8	14.8	14.8	4	91	90	815616	804246	<0.2		0.9									
					4.6	0.5	206	25.5	25.5	7.6	7.6	30.9	30.9	70.4	70.4	4.8	14.8	14.8	4	91	90	815616	804246	<0.2	0.9											
					8.2	0.4	201	25.2	25.2	7.7	7.7	32.1	32.1	68.4	68.4	4.7	25.1	25.1	21	92	90	815616	804246	<0.2	0.5											
					8.2	0.4	209	25.2	25.2	7.7	7.7	32.1	32.1	68.4	68.4	4.7	25.0	25.0	20	91	90	815616	804246	<0.2	0.5											
C2	Sunny	Moderate	14:15	12.5	Surface	1.0	0.4	174	28.9	28.9	7.5	7.5	19.6	19.6	71.3	71.3	4.9	10.1	10.1	11	94	96	825667	806938	<0.2	1.5	1.5									
						1.0	0.5	182	28.9	28.9	7.5	7.5	19.6	19.6	71.3	71.3	4.9	10.1	10.1	10	94	96	825667	806938	<0.2	1.7										
						6.3	0.5	167	27.5	27.5	7.5	7.5	23.1	23.1	66.9	66.9	4.6	19.3	19.3	10	96	96	825667	806938	<0.2	1.4										
					6.3	0.5	167	27.5	27.5	7.5	7.5	23.1	23.1	66.9	66.9	4.6	19.3	19.3	10	96	96	825667	806938	<0.2	1.4											
					11.5	0.3	119	26.9	26.9	7.5	7.5	26.5	26.5	68.1	68.1	4.7	42.4	42.4	9	96	96	825667	806938	<0.2	1.5											
					11.5	0.3	123	26.9	26.9	7.5	7.5	26.5	26.5	68.1	68.1	4.7	42.4	42.4	10	97	96	825667	806938	<0.2	1.5											
C3	Sunny	Moderate	15:59	11.9	Surface	1.0	0.0	113	27.7	27.7	7.7	7.7	25.2	25.2	70.5	70.5	4.8	7.5	7.5	8	91	94	822102	817808	<0.2	1.1	1.1									
						1.0	0.0	122	27.7	27.7	7.7	7.7	25.2	25.2	70.5	70.5	4.8	7.5	7.5	7	91	94	822102	817808	<0.2	1.1										
						6.0	0.1	44	27.0	27.0	7.7	7.7	26.8	26.8	67.7	67.7	4.6	9.5	9.5	8	93	94	822102	817808	<0.2	1.1										
					6.0	0.1	46	27.0	27.0	7.7	7.7	26.8	26.8	67.7	67.7	4.6	9.5	9.5	7	94	97	822102	817808	<0.2	1.1											
					10.9	0.2	31	26.7	26.7	7.6	7.6	27.5	27.5	69.1	69.1	4.7	12.8	12.8	9	97	97	822102	817808	<0.2	1.1											
					10.9	0.2	33	26.7	26.7	7.6	7.6	27.5	27.5	69.1	69.1	4.7	12.8	12.8	8	98	98	822102	817808	<0.2	1.3											
IM1	Sunny	Moderate	14:57	7.8	Surface	1.0	0.2	182	27.6	27.6	7.6	7.6	26.0	26.0	74.3	74.2	5.1	7.0	7.0	5	89	91	818368	806477	<0.2	1.4	1.0									
						1.0	0.2	196	27.6	27.6	7.6	7.6	26.0	26.0	74.1	74.1	5.1	7.1	7.1	5	88	91	818368	806477	<0.2	1.2										
						3.9	0.2	191	25.6	25.6	7.6	7.6	30.4	30.4	71.1	71.1	4.9	12.5	12.5	5	91	91	818368	806477	<0.2	1.0										
					3.9	0.2	203	25.6	25.6	7.6	7.6	30.4	30.4	71.1	71.1	4.9	12.5	12.5	5	90	91	818368	806477	<0.2	1.1											
					6.8	0.1	202	25.6	25.6	7.6	7.6	30.7	30.7	69.3	69.3	4.8	15.1	15.1	14	94	94	818368	806477	<0.2	0.7											
					6.8	0.1	205	25.6	25.6	7.6	7.6	30.7	30.7	69.3	69.3	4.8	15.1	15.1	12	94	94	818368	806477	<0.2	0.8											
IM2	Sunny	Moderate	14:53	8.8	Surface	1.0	0.1	224	27.4	27.4	7.6	7.6	25.6	25.6	74.2	74.2	5.1	6.5	6.5	6	89	91	818840	806182	<0.2	1.4	1.1									
						1.0	0.1	230	27.4	27.4	7.6	7.6	25.6	25.6	74.2	74.2	5.1	6.5	6.5	5	89	91	818840	806182	<0.2	1.2										
						4.4	0.3	198	25.6	25.6	7.6	7.6	30.3	30.3	69.9	69.9	4.8	15.4	15.4	9	91	91	818840	806182	<0.2	0.8										
					4.4	0.4	198	25.6	25.6	7.6	7.6	30.3	30.3	69.9	69.9	4.8	15.4	15.4	8	91	91	818840	806182	<0.2	0.9											
					7.8	0.2	204	25.6	25.6	7.6	7.6	30.5	30.5	68.6	68.6	4.7	22.5	22.5	10	94	94	818840	806182	<0.2	1.1											
					7.8	0.2	221	25.6	25.6	7.6	7.6	30.5	30.5	68.6	68.6	4.7	22.5	22.5	10	93	93	818840	806182	<0.2	1.3											
IM3	Sunny	Moderate	14:45	8.9	Surface	1.0	0.2	213	27.8	27.8	7.6	7.6	25.0	25.0	75.5	75.5	5.2	7.1	7.1	5	88	91	819424	806023	<0.2	1.3	1.2									
						1.0	0.2	228	27.8	27.8	7.6	7.6	25.0	25.0	75.5	75.5	5.2	7.1	7.1	4	88	91	819424	806023	<0.2	1.3										
						4.5	0.2	174	26.0	26.0	7.6	7.6	29.0	29.0	69.9	69.9	4.8	15.2	15.2	7	91	91	819424	806023	<0.2	1.2										
					4.5	0.2	186	26.0	26.0	7.6	7.6	29.0	29.0	69.9	69.9	4.8	15.2	15.2	9	91	91	819424	806023	<0.2	1.2											
					7.9	0.1	267	25.6	25.6	7.6	7.6	30.3	30.3	69.1	69.1	4.8	28.7	28.7	18	94	94	819424	806023	<0.2	1.2											
					7.9	0.1	274	25.6	25.6	7.6	7.6	30.3	30.3	69.1	69.1	4.8	28.7	28.7	19	93	93	819424	806023	<0.2	1.2											
IM4	Sunny	Moderate	14:37	8.1	Surface	1.0	0.2	169	27.0	27.0	7.6	7.6	26.3	26.3	73.2	73.2	5.0	9.2	9.2	6	89	92	819560	805039	<0.2	1.2	1.1									
						1.0	0.3	176	27.0	27.0	7.6	7.6	26.3	26.3	73.1	73.1	5.0	9.3	9.3	6	89	92	819560	805039	<0.2	1.1										
						4.1	0.3	156	25.9	25.9	7.6	7.6	29.5	29.5	68.3	68.3	4.7	21.5	21.5	11	92	91	819560	805039	<0.2	1.0										
					4.1	0.4	164	25.9	25.9	7.6	7.6	29.5	29.5	68.3	68.3	4.7	21.5	21.5	12	91	91	819560	805039	<0.2	1.0											
					7.1	0.3	152	25.6	25.6	7.6	7.6	30.4	30.4	67.0	67.0	4.6	76.8	76.8	26	95	95	819560	805039	<0.2	1.1											
					7.1	0.3	157	25.6	25.6	7.6	7.6	30.4	30.4	67.0	67.0	4.6	77.3	77.3	28	94	94	819560	805039	<0.2	0.9											
IM5	Sunny	Moderate	14:27	7.5	Surface	1.0	0.1	227	27.4	27.4	7.6	7.6	25.4	25.4	75.1	75.1	5.2	8.5	8.5	6	89	91	820566	804926	<0.2	1.3	1.0									
						1.0	0.1	238	27.4	27.4	7.6	7.6	25.4	25.4	75.1	75.1	5.2	8.5	8.5	8	88	91	820566	804926	<0.2	0.9										
						3.8	0.2	207	26.0	26.0	7.6	7.6	29.1	29.1	69.8	69.8	4.8	17.1	17.1	14	92	92	820566	804926	<0.2	1.3										
					3.8	0.2	215	26.0	26.0	7.6	7.6	29.1	29.1	69.8	69.8	4.8	17.1	17.1	14	92	92	820566	804926	<0.2	0.9											
					6.5	0.2	159	25.5	25.5	7.6	7.6	30.8	30.8	69.2	69.2	4.8	31.9	31.9	15	94	94	820566	804926	<0.2	0.8											
					6.5	0.2	162	25.5	25.5	7.6	7.6	30.8	30.8	69.2	69.2	4.8	31.9	31.9	16	93	93	820566	804926	<0.2	0.8											
IM6	Sunny	Moderate	14:19	7.5	Surface	1.0	0.2	139	26.8	26.8	7.6	7.6	27.1	27.1	73.1	73.1	5.0	16.4	16.4	6	89	91	821057	805820	<0.2	1.2	1.1									
						1.0	0.2	145	26.8	26.8	7.6	7.6	27.1	27.1	73.1	73.1	5.0	16.4	16.4	5	88	91	821057	805820	<0.2	1.2										
						3.8	0.2	131	26.1	26.1	7.6	7.6	28.5	28.5	72.8	72.9	5.0	23.9	23.9	16	91	91	821057	805820	<0.2	1.1										
					3.8	0.2	134	26.1	26.1	7.6	7.6	28.5	28.5	72.9	72.9	5.0	23.9	23.9	15	91	91	821057	805820	<0.2	0.9											
					6.5																															

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 August 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	Value	DA
C1	Sunny	Moderate	09:39	8.9	Surface	1.0	0.5	51	27.4	7.6	7.6	23.1	23.1	74.3	74.3	5.2	5.0	6.0	57.6	6	8	89	91	815620	804229	<0.2	<0.2	1.7	1.7							
						1.0	0.5	52	27.4	7.6	7.6	23.1	23.1	74.3	74.3	5.2	5.0	6.0	57.6	6	8	89	91	815620	804229	<0.2	<0.2	1.7	1.7							
						4.5	0.9	51	26.1	7.6	7.6	28.6	28.6	69.4	69.4	4.8	4.7	21.5	144.4	9	9	92	91	815620	804229	<0.2	<0.2	1.6	1.6							
					4.5	0.9	51	26.1	7.6	7.6	28.6	28.6	69.4	69.4	4.8	4.7	21.5	144.4	9	9	91	91	815620	804229	<0.2	<0.2	1.6	1.6								
					7.9	0.7	55	25.8	7.6	7.6	30.1	30.1	68.3	68.3	4.7	4.7	146.4	144.0	9	9	93	91	815620	804229	<0.2	<0.2	1.6	1.6								
					7.9	0.8	57	25.8	7.6	7.6	30.1	30.1	68.3	68.3	4.7	4.7	144.0	144.0	9	9	93	91	815620	804229	<0.2	<0.2	1.9	1.9								
C2	Sunny	Rough	10:37	12.2	Surface	1.0	0.5	355	28.1	7.5	7.5	19.7	19.7	67.1	67.1	4.7	4.7	9.6	31.7	4	5	95	96	825682	806934	<0.2	<0.2	3.1	3.0							
						1.0	0.5	327	28.1	7.5	7.5	19.7	19.7	67.1	67.1	4.7	4.7	9.6	31.7	5	7	95	96	825682	806934	<0.2	<0.2	3.0	2.9							
						6.1	0.5	339	27.6	7.6	7.6	22.9	22.9	67.1	67.1	4.7	4.7	22.2	31.7	8	9	96	96	825682	806934	<0.2	<0.2	2.9	2.9							
					6.1	0.5	312	27.6	7.6	7.6	22.9	22.9	67.1	67.1	4.7	4.7	22.2	31.7	9	7	96	97	825682	806934	<0.2	<0.2	2.9	3.1								
					11.2	0.7	158	27.5	7.5	7.5	24.1	24.1	75.1	75.1	5.2	5.2	63.2	31.7	7	7	97	97	825682	806934	<0.2	<0.2	3.1	2.8								
					11.2	0.7	161	27.5	7.5	7.5	24.1	24.1	75.1	75.1	5.2	5.2	63.2	31.7	8	7	97	97	825682	806934	<0.2	<0.2	2.8	2.8								
C3	Sunny	Moderate	08:43	11.3	Surface	1.0	0.6	264	27.7	7.6	7.6	22.4	22.4	71.7	71.7	5.0	4.9	5.7	15.2	8	9	87	92	822112	817822	<0.2	<0.2	2.0	2.1							
						1.0	0.7	286	27.7	7.6	7.6	22.4	22.4	71.7	71.7	5.0	4.9	5.7	15.2	9	9	87	92	822112	817822	<0.2	<0.2	2.0	2.0							
						5.7	0.8	256	27.2	7.6	7.6	24.7	24.7	70.0	70.0	4.8	4.8	11.1	15.2	9	9	88	92	822112	817822	<0.2	<0.2	2.3	2.3							
					5.7	0.8	275	27.2	7.6	7.6	24.7	24.7	70.0	70.0	4.8	4.8	11.1	15.2	8	9	89	92	822112	817822	<0.2	<0.2	2.1	2.1								
					10.3	0.4	280	26.7	7.6	7.6	27.2	27.2	71.2	71.2	4.9	4.9	28.7	15.2	9	9	100	92	822112	817822	<0.2	<0.2	2.1	2.1								
					10.3	0.4	293	26.7	7.6	7.6	27.2	27.2	71.2	71.2	4.9	4.9	28.7	15.2	9	9	101	92	822112	817822	<0.2	<0.2	1.8	1.8								
IM1	Sunny	Moderate	09:57	7.8	Surface	1.0	0.7	339	27.3	7.6	7.6	25.2	25.2	75.8	75.8	5.2	5.2	3.8	18.8	9	9	89	92	818333	806454	<0.2	<0.2	1.5	1.6							
						1.0	0.7	312	27.3	7.6	7.6	25.2	25.2	75.8	75.8	5.2	5.2	3.8	18.8	9	9	90	92	818333	806454	<0.2	<0.2	1.6	1.6							
						3.9	0.6	1	27.1	7.6	7.6	25.4	25.4	74.1	74.0	5.1	5.1	4.8	18.8	7	9	91	92	818333	806454	<0.2	<0.2	1.7	1.7							
					3.9	0.7	1	27.1	7.6	7.6	25.4	25.4	73.9	74.0	5.1	5.1	5.4	18.8	8	9	92	92	818333	806454	<0.2	<0.2	1.7	1.7								
					6.8	0.5	329	26.2	7.6	7.6	28.6	28.6	69.8	69.9	4.8	4.8	47.6	18.8	12	9	95	92	818333	806454	<0.2	<0.2	1.5	1.5								
					6.8	0.6	354	26.2	7.6	7.6	28.6	28.6	69.9	69.9	4.8	4.8	47.4	18.8	11	9	95	92	818333	806454	<0.2	<0.2	1.5	1.5								
IM2	Sunny	Moderate	10:04	8.9	Surface	1.0	0.7	354	27.2	7.6	7.6	25.5	25.5	75.3	75.3	5.2	5.1	4.3	17.1	6	6	89	92	818833	806210	<0.2	<0.2	1.6	1.6							
						1.0	0.7	326	27.2	7.6	7.6	25.5	25.5	75.2	75.3	5.2	5.2	4.3	17.1	5	6	89	92	818833	806210	<0.2	<0.2	1.6	1.6							
						4.5	0.6	358	26.9	7.6	7.6	26.0	26.0	72.4	72.4	5.0	5.0	10.2	17.1	5	6	92	92	818833	806210	<0.2	<0.2	1.8	1.8							
					4.5	0.6	329	26.9	7.6	7.6	26.0	26.0	72.3	72.4	5.0	5.0	10.4	17.1	4	6	91	92	818833	806210	<0.2	<0.2	1.6	1.6								
					7.9	0.4	349	26.2	7.6	7.6	28.8	28.8	70.2	70.2	4.8	4.8	36.6	17.1	7	6	94	92	818833	806210	<0.2	<0.2	1.7	1.7								
					7.9	0.5	354	26.2	7.6	7.6	28.8	28.8	70.2	70.2	4.8	4.8	36.6	17.1	7	6	95	92	818833	806210	<0.2	<0.2	1.7	1.7								
IM3	Sunny	Moderate	10:09	8.7	Surface	1.0	0.5	34	27.1	7.6	7.6	25.0	25.0	72.8	72.8	5.0	5.0	6.7	34.8	7	25	89	92	819400	806009	<0.2	<0.2	1.8	1.6							
						1.0	0.6	36	27.1	7.6	7.6	25.0	25.0	72.8	72.8	5.0	5.0	6.7	34.8	7	25	89	92	819400	806009	<0.2	<0.2	1.8	1.8							
						4.4	0.5	33	26.7	7.6	7.6	26.4	26.4	70.4	70.5	4.9	4.9	17.2	34.8	9	25	92	92	819400	806009	<0.2	<0.2	1.9	1.9							
					4.4	0.6	34	26.7	7.6	7.6	26.4	26.4	70.5	70.5	4.9	4.9	17.2	34.8	8	25	91	92	819400	806009	<0.2	<0.2	1.5	1.5								
					7.7	0.4	30	26.1	7.6	7.6	28.9	28.9	69.1	69.1	4.8	4.8	80.4	34.8	62	25	94	92	819400	806009	<0.2	<0.2	1.2	1.2								
					7.7	0.4	31	26.1	7.6	7.6	28.9	28.9	69.1	69.1	4.8	4.8	80.4	34.8	57	25	95	92	819400	806009	<0.2	<0.2	1.2	1.2								
IM4	Sunny	Moderate	10:17	8.2	Surface	1.0	0.5	21	27.7	7.6	7.6	22.3	22.3	74.2	74.2	5.2	5.0	7.7	63.3	7	15	90	93	819564	805029	<0.2	<0.2	2.3	2.1							
						1.0	0.6	21	27.7	7.6	7.6	22.3	22.3	74.2	74.2	5.2	5.0	7.8	63.3	8	15	89	93	819564	805029	<0.2	<0.2	2.1	2.1							
						4.1	0.6	30	26.3	7.6	7.6	28.3	28.3	69.0	69.0	4.8	4.8	30.7	63.3	6	15	92	93	819564	805029	<0.2	<0.2	2.2	2.2							
					4.1	0.6	32	26.3	7.6	7.6	28.3	28.3	69.0	69.0	4.8	4.8	30.7	63.3	6	15	93	93	819564	805029	<0.2	<0.2	2.2	2.2								
					7.2	0.4	22	26.0	7.6	7.6	29.0	29.0	68.4	68.4	4.7	4.7	151.3	63.3	31	15	96	93	819564	805029	<0.2	<0.2	1.9	1.9								
					7.2	0.4	23	26.0	7.6	7.6	29.0	29.0	68.4	68.4	4.7	4.7	151.5	63.3	32	15	95	93	819564	805029	<0.2	<0.2	1.7	1.7								
IM5	Sunny	Moderate	10:28	7.3	Surface	1.0	0.7	31	27.4	7.6	7.6	23.5	23.5	72.7	72.7	5.1	4.9	9.9	54.2	7	11	89	93	820582	804930	<0.2	<0.2	1.8	1.7							
						1.0	0.8	31	27.4	7.6	7.6	23.5	23.5	72.7	72.7	5.1	4.9	9.9	54.2	6	11	89	93	820582	804930	<0.2	<0.2	1.8	1.8							
						3.7	0.7	32	26.1	7.6	7.6	28.7	28.7	68.7	68.7	4.7	4.7	58.3	54.2	6	11	93	93	820582	804930	<0.2	<0.2	1.8	1.8							
					3.7	0.7	34	26.1	7.6	7.6	28.7	28.7	68.7	68.7	4.7	4.7	58.3	54.2	7	11	93	93	820582	804930	<0.2	<0.2	2.0	2.0								
					6.3	0.5	21	26.0	7.6	7.6	29.0	29.0	69.7	69.7	4.8	4.8	94.5	54.2	21	11	95	93	820582	804930	<0.2	<0.2	1.6	1.6								

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 August 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
IM9	Sunny	Moderate	10:01	7.7	Surface	1.0	0.3	351	28.4	28.4	7.6	7.6	17.7	17.7	72.5	72.5	5.1	5.1	11.2	11.2	8	90	94	822086	808799	<0.2	<0.2	2.8	2.8							
						1.0	0.3	323	28.4	28.4	7.6	7.6	17.7	17.7	72.5	72.5	5.1	5.1	11.2	11.2	10	90	94	822086	808799	<0.2	<0.2	2.8	2.8							
					Middle	3.9	0.4	327	28.2	28.2	7.6	7.6	19.6	19.6	72.1	72.1	5.0	5.0	14.0	14.0	13	90	94	822086	808799	<0.2	<0.2	2.6	2.6							
						3.9	0.4	347	28.2	28.2	7.6	7.6	19.6	19.6	72.1	72.1	5.0	5.0	14.0	14.0	12	94	98	822086	808799	<0.2	<0.2	2.7	2.7							
					Bottom	6.7	0.4	316	28.0	28.0	7.6	7.6	20.3	20.3	73.1	73.1	5.1	5.1	29.1	29.1	40	98	98	822086	808799	<0.2	<0.2	2.4	2.4							
						6.7	0.4	317	28.0	28.0	7.6	7.6	20.3	20.3	73.2	73.2	5.1	5.1	28.9	28.9	37	98	98	822086	808799	<0.2	<0.2	2.3	2.3							
IM10	Sunny	Moderate	09:53	6.6	Surface	1.0	0.7	302	28.0	28.0	7.6	7.6	20.8	20.8	70.4	70.4	4.9	4.9	11.4	11.4	8	91	95	822228	809853	<0.2	<0.2	2.2	2.2							
						1.0	0.8	319	28.0	28.0	7.6	7.6	20.8	20.8	70.4	70.4	4.9	4.9	11.4	11.4	7	92	94	822228	809853	<0.2	<0.2	2.2	2.2							
					Middle	3.3	0.4	301	27.8	27.8	7.6	7.6	21.6	21.6	70.0	70.0	4.9	4.9	16.5	16.5	7	94	95	822228	809853	<0.2	<0.2	2.4	2.4							
						3.3	0.5	322	27.8	27.8	7.6	7.6	21.6	21.6	70.0	70.0	4.9	4.9	16.5	16.5	7	95	98	822228	809853	<0.2	<0.2	1.9	1.9							
					Bottom	5.6	0.3	291	27.4	27.4	7.6	7.6	23.6	23.6	68.6	68.6	4.8	4.8	58.1	58.1	118	98	99	822228	809853	<0.2	<0.2	1.9	1.9							
						5.6	0.3	297	27.4	27.4	7.6	7.6	23.6	23.6	68.6	68.6	4.8	4.8	58.1	58.1	127	99	99	822228	809853	<0.2	<0.2	2.0	2.0							
IM11	Sunny	Moderate	09:40	8.0	Surface	1.0	0.6	279	28.3	28.3	7.6	7.6	20.3	20.3	72.7	72.7	5.1	5.1	10.6	10.6	7	89	94	821496	810534	<0.2	<0.2	2.3	2.3							
						1.0	0.7	289	28.3	28.3	7.6	7.6	20.3	20.3	72.7	72.7	5.1	5.1	10.6	10.6	6	90	93	821496	810534	<0.2	<0.2	2.3	2.3							
					Middle	4.0	0.5	288	27.8	27.8	7.6	7.6	23.8	23.8	70.8	70.8	4.9	4.9	19.1	19.1	6	93	94	821496	810534	<0.2	<0.2	2.2	2.2							
						4.0	0.5	290	27.8	27.8	7.6	7.6	23.8	23.8	70.8	70.8	4.9	4.9	19.1	19.1	6	94	99	821496	810534	<0.2	<0.2	2.3	2.3							
					Bottom	7.0	0.4	297	27.4	27.4	7.6	7.6	24.4	24.4	73.1	73.1	5.0	5.0	55.7	55.7	108	99	98	821496	810534	<0.2	<0.2	1.6	1.6							
						7.0	0.4	321	27.4	27.4	7.6	7.6	24.4	24.4	73.1	73.1	5.0	5.0	55.7	55.7	109	98	98	821496	810534	<0.2	<0.2	1.6	1.6							
IM12	Sunny	Moderate	09:33	7.1	Surface	1.0	0.8	270	28.0	28.0	7.6	7.6	21.5	21.5	71.7	71.7	5.0	5.0	9.3	9.3	8	86	93	821161	811537	<0.2	<0.2	2.6	2.6							
						1.0	0.9	280	28.0	28.0	7.6	7.6	21.5	21.5	71.7	71.7	5.0	5.0	9.3	9.3	8	87	92	821161	811537	<0.2	<0.2	2.6	2.6							
					Middle	3.6	0.6	276	27.5	27.5	7.6	7.6	23.8	23.8	69.3	69.3	4.8	4.8	27.1	27.1	11	92	92	821161	811537	<0.2	<0.2	2.4	2.4							
						3.6	0.7	284	27.5	27.5	7.6	7.6	23.8	23.8	69.3	69.3	4.8	4.8	27.1	27.1	10	92	99	821161	811537	<0.2	<0.2	2.1	2.1							
					Bottom	6.1	0.3	279	27.4	27.4	7.6	7.6	24.4	24.4	68.2	68.2	4.7	4.7	60.9	60.9	116	100	99	821161	811537	<0.2	<0.2	1.8	1.8							
						6.1	0.3	291	27.4	27.4	7.6	7.6	24.4	24.4	68.2	68.2	4.7	4.7	60.9	60.9	107	99	99	821161	811537	<0.2	<0.2	2.0	2.0							
SR2	Sunny	Moderate	09:04	4.5	Surface	1.0	0.1	179	27.8	27.8	7.6	7.6	22.1	22.1	72.3	72.3	5.0	5.0	10.0	10.0	11	90	93	821482	814173	<0.2	<0.2	2.5	2.5							
						1.0	0.1	190	27.8	27.8	7.6	7.6	22.1	22.1	72.3	72.3	5.0	5.0	10.0	10.0	13	91	91	821482	814173	<0.2	<0.2	2.4	2.4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93	821482	814173	<0.2	<0.2	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93	821482	814173	<0.2	<0.2	-	-			
					Bottom	3.5	0.2	184	27.4	27.4	7.6	7.6	24.0	24.0	72.7	72.7	5.0	5.0	18.0	18.0	15	95	96	821482	814173	<0.2	<0.2	2.0	2.0							
						3.5	0.2	189	27.4	27.4	7.6	7.6	24.0	24.0	72.7	72.7	5.0	5.0	18.0	18.0	14	96	96	821482	814173	<0.2	<0.2	2.1	2.1							
SR3	Sunny	Rough	10:16	9.2	Surface	1.0	0.3	7	28.6	28.6	7.5	7.5	16.4	16.4	71.0	71.0	5.0	5.0	8.4	8.4	9	-	-	822146	807580	-	-	-	-							
						1.0	0.3	7	28.6	28.6	7.5	7.5	16.4	16.4	71.0	71.0	5.0	5.0	8.4	8.4	8	-	-	822146	807580	-	-	-	-							
					Middle	4.6	0.3	6	28.0	28.0	7.6	7.6	19.7	19.7	68.2	68.2	4.8	4.8	14.0	14.0	11	-	-	822146	807580	-	-	-	-							
						4.6	0.3	6	28.0	28.0	7.6	7.6	19.7	19.7	68.2	68.2	4.8	4.8	14.0	14.0	12	-	-	822146	807580	-	-	-	-							
					Bottom	8.2	0.2	54	27.5	27.5	7.6	7.6	22.3	22.3	68.5	68.5	4.8	4.8	17.4	17.4	15	-	-	822146	807580	-	-	-	-							
						8.2	0.3	59	27.5	27.5	7.6	7.6	22.3	22.3	68.5	68.5	4.8	4.8	17.4	17.4	15	-	-	822146	807580	-	-	-	-							
SR4A	Sunny	Moderate	09:18	9.3	Surface	1.0	0.5	276	27.3	27.3	7.6	7.6	25.2	25.2	73.2	73.2	5.0	5.0	10.8	10.8	13	-	-	817188	807829	-	-	-	-							
						1.0	0.5	278	27.3	27.3	7.6	7.6	25.2	25.2	73.2	73.2	5.0	5.0	10.9	10.9	13	-	-	817188	807829	-	-	-	-							
					Middle	4.7	0.4	272	27.1	27.1	7.6	7.6	25.4	25.4	72.1	72.1	5.0	5.0	12.9	12.9	13	-	-	817188	807829	-	-	-	-							
						4.7	0.4	288	27.1	27.1	7.6	7.6	25.4	25.4	72.0	72.0	5.0	5.0	12.9	12.9	13	-	-	817188	807829	-	-	-	-							
					Bottom	8.3	0.3	277	26.4	26.4	7.6	7.6	28.0	28.0	69.2	69.2	4.8	4.8	18.8	18.8	16	-	-	817188	807829	-	-	-	-							
						8.3	0.4	304	26.4	26.4	7.6	7.6	28.0	28.0	69.2	69.2	4.8	4.8	18.7	18.7	15	-	-	817188	807829	-	-	-	-							
SR5A	Sunny	Moderate	09:01	5.4	Surface	1.0	0.2	313	27.4	27.4	7.6	7.6	24.5	24.5	74.9	74.9	5.2	5.2	14.4	14.4	15	-	-	816575	810698	-	-	-	-							
						1.0	0.2	339	27.4	27.4	7.6	7.6	24.5	24.5	74.9	74.9	5.2	5.2	14.5	14.5	17	-	-	816575	810698	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816575	810698	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816575	810698	-	-	-	-				
					Bottom	4.4	0.1	336	27.4	27.4	7.5	7.5	24.6	24.6	75.4	75.4	5.2	5.2	22.3	22.3	16	-	-	816575	810698	-	-	-	-							
						4.4	0.1	309	27.4	27.4	7.5	7.5	24.6	24.6	75.5	75.5	5.2	5.2	22.6	22.6	16	-	-													

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 August 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	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	17:42	8.7	Surface	1.0	0.2	229	28.2	7.5	7.5	12.9	12.9	80.2	80.3	5.8	5.7	8.7	26.7	4	4	87	89	815607	804237	<0.2	<0.2	2.7	1.9			
						1.0	0.3	230	28.2	7.5	7.5	12.9	12.9	80.3	80.3	5.8	5.7	8.7	26.7	4	4	86	89	<0.2	<0.2	2.7	1.9					
						4.4	0.1	61	26.6	7.6	7.6	22.8	22.8	79.4	79.4	5.6	5.6	12.7	26.7	4	4	89	88	<0.2	<0.2	2.3	1.9					
					Middle	4.4	0.1	61	26.6	7.6	7.6	22.8	22.8	79.4	79.4	5.6	5.6	12.7	26.7	4	4	89	88	<0.2	<0.2	2.3	1.9					
						7.7	0.0	34	25.9	7.7	7.7	30.0	30.0	77.8	77.8	5.3	5.3	58.6	26.7	5	5	92	91	<0.2	<0.2	0.6	1.9					
						7.7	0.0	36	25.9	7.7	7.7	30.0	30.0	77.8	77.8	5.3	5.3	58.6	26.7	4	4	91	91	<0.2	<0.2	0.8	1.9					
C2	Sunny	Moderate	16:40	12.0	Surface	1.0	0.1	200	28.6	7.5	7.5	13.3	13.3	79.4	79.4	5.7	5.6	9.6	9.3	6	5	87	90	825673	806952	<0.2	<0.2	2.7	2.7			
						1.0	0.1	216	28.6	7.5	7.5	13.3	13.3	79.4	79.4	5.7	5.6	9.6	9.3	5	5	86	90	<0.2	<0.2	2.8	2.7					
						6.0	0.1	149	26.9	7.6	7.6	23.4	23.4	78.2	78.2	5.5	5.5	8.7	9.3	6	5	90	90	<0.2	<0.2	2.6	2.7					
					Middle	6.0	0.1	152	26.9	7.6	7.6	23.4	23.4	78.2	78.2	5.5	5.5	8.7	9.3	5	5	90	90	<0.2	<0.2	3.0	2.7					
						11.0	0.3	183	26.7	7.6	7.6	24.3	24.3	77.8	77.8	5.4	5.4	9.5	9.3	5	5	92	92	<0.2	<0.2	2.6	2.7					
						11.0	0.3	200	26.7	7.6	7.6	24.3	24.3	77.8	77.8	5.4	5.4	9.5	9.3	4	4	92	92	<0.2	<0.2	2.4	2.7					
C3	Sunny	Moderate	18:26	12.4	Surface	1.0	0.1	4	27.1	7.6	7.6	21.0	21.0	79.9	79.9	5.7	5.6	8.3	13.0	5	4	89	92	822102	817801	<0.2	<0.2	2.5	2.6			
						1.0	0.1	4	27.1	7.6	7.6	21.0	21.0	79.9	79.9	5.7	5.6	8.3	13.0	4	4	90	91	<0.2	<0.2	2.4	2.6					
						6.2	0.1	222	26.5	7.6	7.6	24.5	24.5	78.3	78.3	5.5	5.5	10.4	13.0	4	4	91	95	<0.2	<0.2	2.6	2.6					
					Middle	6.2	0.1	238	26.5	7.6	7.6	24.5	24.5	78.3	78.3	5.5	5.5	10.4	13.0	4	4	91	95	<0.2	<0.2	2.9	2.6					
						11.4	0.0	200	26.2	7.6	7.6	28.5	28.5	77.0	77.0	5.3	5.3	20.3	13.0	4	4	95	95	<0.2	<0.2	2.7	2.6					
						11.4	0.0	212	26.2	7.6	7.6	28.5	28.5	77.0	77.0	5.3	5.3	20.3	13.0	3	3	95	95	<0.2	<0.2	2.5	2.6					
IM1	Sunny	Moderate	17:24	7.4	Surface	1.0	0.3	142	27.8	7.6	7.6	17.4	17.4	81.9	81.9	5.8	5.8	6.7	11.6	6	6	87	90	818349	806440	<0.2	<0.2	2.7	2.1			
						1.0	0.3	154	27.8	7.6	7.6	17.4	17.4	81.9	81.9	5.8	5.8	6.7	11.6	6	6	87	89	<0.2	<0.2	2.5	2.1					
						3.7	0.1	137	26.9	7.6	7.6	21.8	21.8	80.2	80.2	5.7	5.7	7.4	11.6	5	6	89	90	<0.2	<0.2	1.7	2.1					
					Middle	3.7	0.2	138	26.9	7.6	7.6	21.8	21.8	80.2	80.2	5.7	5.7	7.4	11.6	6	6	90	92	<0.2	<0.2	1.6	2.1					
						6.4	0.1	93	26.3	7.6	7.6	27.0	27.0	77.4	77.4	5.4	5.4	20.6	11.6	6	6	92	93	<0.2	<0.2	2.0	2.1					
						6.4	0.1	94	26.3	7.6	7.6	26.9	27.0	77.4	77.4	5.4	5.4	20.6	11.6	8	6	93	93	<0.2	<0.2	1.8	2.1					
IM2	Sunny	Moderate	17:19	8.3	Surface	1.0	0.4	231	27.8	7.6	7.6	17.6	17.6	81.9	81.9	5.8	5.8	6.2	6.8	5	6	87	90	818837	806196	<0.2	<0.2	2.6	2.0			
						1.0	0.5	253	27.8	7.6	7.6	17.6	17.6	81.9	81.9	5.8	5.8	6.2	6.8	7	6	88	89	<0.2	<0.2	2.3	2.0					
						4.2	0.2	230	26.8	7.7	7.7	23.0	23.0	80.4	80.4	5.7	5.7	6.9	6.8	5	6	89	90	<0.2	<0.2	1.8	2.0					
					Middle	4.2	0.2	238	26.8	7.7	7.7	23.0	23.0	80.4	80.4	5.7	5.7	6.9	6.8	6	6	90	92	<0.2	<0.2	1.7	2.0					
						7.3	0.0	341	26.3	7.7	7.7	27.1	27.1	79.9	79.9	5.5	5.5	7.2	6.8	6	6	93	93	<0.2	<0.2	1.8	2.0					
						7.3	0.0	314	26.3	7.7	7.7	27.1	27.1	79.9	79.9	5.5	5.5	7.2	6.8	8	6	93	93	<0.2	<0.2	1.9	2.0					
IM3	Sunny	Moderate	17:11	8.5	Surface	1.0	0.3	205	28.0	7.6	7.6	18.0	18.0	82.1	82.1	5.8	5.7	6.0	8.4	7	7	87	90	819423	806007	<0.2	<0.2	2.5	1.9			
						1.0	0.3	214	28.0	7.6	7.6	18.0	18.0	82.1	82.1	5.8	5.7	6.0	8.4	5	7	86	91	<0.2	<0.2	2.6	1.9					
						4.3	0.1	172	26.8	7.7	7.7	23.1	23.1	80.0	80.0	5.6	5.6	6.6	8.4	6	7	91	91	<0.2	<0.2	2.3	1.9					
					Middle	4.3	0.1	183	26.8	7.7	7.7	23.1	23.1	80.0	80.0	5.6	5.6	6.7	8.4	5	7	91	93	<0.2	<0.2	2.4	1.9					
						7.5	0.1	16	26.0	7.7	7.7	29.7	29.7	77.1	77.1	5.3	5.3	12.4	8.4	9	8	93	93	<0.2	<0.2	0.8	1.9					
						7.5	0.1	16	26.0	7.7	7.7	29.7	29.7	77.1	77.1	5.3	5.3	12.4	8.4	8	8	93	93	<0.2	<0.2	1.0	1.9					
IM4	Sunny	Moderate	17:03	7.9	Surface	1.0	0.2	215	28.3	7.7	7.7	18.8	18.8	85.0	85.0	6.0	5.9	6.0	6.1	4	8	87	90	819568	805049	<0.2	<0.2	2.3	1.8			
						1.0	0.2	232	28.3	7.6	7.7	18.8	18.8	85.0	85.0	6.0	6.0	6.0	6.1	6	8	86	90	<0.2	<0.2	2.4	1.8					
						4.0	0.1	159	26.7	7.7	7.7	25.1	25.1	81.2	81.2	5.7	5.7	5.6	6.1	5	8	89	90	<0.2	<0.2	2.0	1.8					
					Middle	4.0	0.1	170	26.7	7.7	7.7	25.1	25.1	81.2	81.2	5.7	5.7	5.6	6.1	5	8	90	93	<0.2	<0.2	2.1	1.8					
						6.9	0.0	176	26.3	7.7	7.7	27.4	27.4	80.3	80.3	5.6	5.6	6.6	6.1	13	8	93	92	<0.2	<0.2	0.9	1.8					
						6.9	0.0	187	26.3	7.7	7.7	27.4	27.4	80.3	80.3	5.6	5.6	6.7	6.1	13	8	92	92	<0.2	<0.2	0.9	1.8					
IM5	Sunny	Moderate	16:52	7.0	Surface	1.0	0.3	228	28.9	7.6	7.6	11.6	11.6	81.8	81.8	5.9	5.9	8.7	12.0	6	6	86	90	820546	804917	<0.2	<0.2	2.6	2.2			
						1.0	0.3	235	28.9	7.6	7.6	11.6	11.6	81.8	81.8	5.9	5.9	8.8	12.0	6	6	87	89	<0.2	<0.2	2.7	2.2					
						3.5	0.2	240	27.6	7.6	7.6	18.6	18.6	81.3	81.3	5.8	5.8	9.4	12.0	6	6	90	89	<0.2	<0.2	2.3	2.2					
					Middle	3.5	0.2	256	27.6	7.6	7.6	18.6	18.6	81.3	81.3	5.8	5.8	9.5	12.0	6	6	89	91	<0.2	<0.2	2.6	2.2					
						6.0	0.0	193	26.0	7.7	7.7	29.9	29.9	77.2	77.2	5.3	5.3	17.7	12.0	6	6	93	94	<0.2	<0.2	1.6	2.2					
						6.0	0.0	202	26.0	7.7	7.7	29.9	29.9	77.3	77.3	5.3	5.3	18.0	12.0	6	6	94	94	<0.2	<0.2	1.5	2.2					
IM6	Sunny	Moderate	16:44	6.8	Surface	1.0	0.1	238	28.3	7.5	7.5	11.6	11.6	79.9	79.9	5.8	5.8	9.5	11.6	4	12	86	90	821054	805837	<0.2	<0.2	2.3	2.1			
						1.0	0.1	245	28.3	7.5	7.5	11.6	11.6	79.9	79.9	5.8	5.8	9.5	11.6	5	12	87	91	<0.2	<0.2	2.5	2.1					
						3.4	0.1	292	27.6	7.7	7.7	19.2	19.2	81.4	81.4	5.8	5.8	10.1	11.6	10	12	91	91	<0.2	<0.2	2.6	2.1					
					Middle																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 August 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
IM9	Sunny	Moderate	17:12	7.1	Surface	1.0	0.1	136	28.3	28.3	7.5	7.5	12.2	12.2	79.7	79.7	5.8	5.7	12.8	21.7	4	5	87	90	822083	808800	<0.2	<0.2	3.6	3.4						
						1.0	0.2	141	28.3	28.3	7.5	7.5	12.2	12.2	79.7	79.7	5.8	5.7	12.8	21.7	4	5	87	90	822083	808800	<0.2	<0.2	3.6	3.4						
					Middle	3.6	0.2	107	27.7	27.7	7.5	7.5	18.7	18.7	77.6	77.6	5.5	5.5	17.8	12.1	5	6	91	91	822083	808800	<0.2	<0.2	3.3	3.4						
						3.6	0.2	112	27.7	27.7	7.5	7.5	18.7	18.7	77.6	77.6	5.5	5.5	17.8	12.1	5	6	90	91	822083	808800	<0.2	<0.2	3.3	3.4						
					Bottom	6.1	0.2	80	26.7	26.7	7.6	7.6	23.7	23.7	75.7	75.7	5.3	5.3	34.4	12.1	6	7	91	91	822083	808800	<0.2	<0.2	3.3	3.4						
						6.1	0.2	83	26.7	26.7	7.6	7.6	23.7	23.7	75.7	75.7	5.3	5.3	34.4	12.1	5	7	92	92	822083	808800	<0.2	<0.2	3.0	3.4						
IM10	Sunny	Moderate	17:19	7.0	Surface	1.0	0.3	111	28.2	28.2	7.5	7.5	13.1	13.1	80.7	80.7	5.9	5.8	10.4	12.1	5	6	88	90	822249	809822	<0.2	<0.2	3.5	3.3						
						1.0	0.3	119	28.2	28.2	7.5	7.5	13.1	13.1	80.7	80.7	5.9	5.8	10.4	12.1	7	6	88	90	822249	809822	<0.2	<0.2	3.2	3.3						
					Middle	3.5	0.3	96	27.1	27.1	7.6	7.6	19.4	19.4	78.7	78.7	5.6	5.6	9.4	12.1	5	6	91	91	822249	809822	<0.2	<0.2	3.2	3.3						
						3.5	0.3	96	27.1	27.1	7.6	7.6	19.4	19.4	78.7	78.7	5.6	5.6	9.4	12.1	5	6	91	91	822249	809822	<0.2	<0.2	3.2	3.3						
					Bottom	6.0	0.2	86	26.6	26.6	7.6	7.6	24.2	24.2	77.2	77.2	5.4	5.4	16.4	12.1	5	7	92	92	822249	809822	<0.2	<0.2	3.4	3.3						
						6.0	0.2	93	26.6	26.6	7.6	7.6	24.2	24.2	77.2	77.2	5.4	5.4	16.4	12.1	7	7	93	93	822249	809822	<0.2	<0.2	3.2	3.3						
IM11	Sunny	Moderate	17:33	8.8	Surface	1.0	0.2	96	28.0	28.0	7.5	7.5	14.4	14.4	80.8	80.8	5.8	5.7	9.4	13.1	4	5	88	91	821492	810541	<0.2	<0.2	3.1	2.4						
						1.0	0.3	104	28.0	28.0	7.5	7.5	14.4	14.4	80.8	80.8	5.8	5.7	9.4	13.1	5	5	87	91	821492	810541	<0.2	<0.2	3.1	2.4						
					Middle	4.4	0.3	101	26.6	26.6	7.6	7.6	23.3	23.3	77.7	77.7	5.5	5.5	12.2	13.1	5	5	91	91	821492	810541	<0.2	<0.2	2.0	2.0						
						4.4	0.3	105	26.6	26.6	7.6	7.6	23.3	23.3	77.7	77.7	5.5	5.5	12.2	13.1	5	5	91	91	821492	810541	<0.2	<0.2	2.0	2.0						
					Bottom	7.8	0.1	27	26.4	26.4	7.6	7.6	26.0	26.0	77.0	77.0	5.4	5.4	17.8	13.1	5	5	93	93	821492	810541	<0.2	<0.2	1.9	2.2						
						7.8	0.1	28	26.4	26.4	7.6	7.6	26.0	26.0	77.0	77.0	5.4	5.4	17.8	13.1	7	5	94	94	821492	810541	<0.2	<0.2	2.2	2.2						
IM12	Sunny	Moderate	17:39	8.7	Surface	1.0	0.3	99	27.9	27.9	7.5	7.5	15.0	15.0	81.9	81.9	5.9	5.7	8.6	12.0	4	6	88	91	821148	811508	<0.2	<0.2	2.1	2.3						
						1.0	0.3	100	27.9	27.9	7.5	7.5	15.0	15.0	81.9	81.9	5.9	5.7	8.6	12.0	6	6	89	91	821148	811508	<0.2	<0.2	1.8	2.3						
					Middle	4.4	0.2	117	26.7	26.7	7.6	7.6	23.7	23.7	76.9	76.9	5.4	5.4	10.2	12.0	7	6	92	91	821148	811508	<0.2	<0.2	2.2	2.3						
						4.4	0.2	128	26.7	26.7	7.6	7.6	23.7	23.7	76.9	76.9	5.4	5.4	10.2	12.0	6	6	91	91	821148	811508	<0.2	<0.2	2.4	2.3						
					Bottom	7.7	0.1	354	26.3	26.3	7.6	7.6	27.5	27.5	72.7	72.7	5.0	5.0	17.2	12.0	5	5	93	93	821148	811508	<0.2	<0.2	2.5	2.6						
						7.7	0.1	357	26.3	26.3	7.6	7.6	27.5	27.5	72.7	72.7	5.0	5.0	17.2	12.0	5	5	93	93	821148	811508	<0.2	<0.2	2.6	2.6						
SR2	Sunny	Moderate	18:04	4.5	Surface	1.0	0.3	77	27.6	27.6	7.6	7.6	19.0	19.0	83.8	83.8	6.0	6.0	8.2	8.6	6	7	88	90	821445	814173	<0.2	<0.2	2.4	2.4						
						1.0	0.3	84	27.6	27.6	7.6	7.6	19.0	19.0	83.8	83.8	6.0	6.0	8.2	8.6	8	7	89	91	821445	814173	<0.2	<0.2	2.6	2.4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.5	0.3	77	27.3	27.3	7.6	7.6	20.7	20.7	85.2	85.3	6.0	6.0	9.0	8.6	6	7	91	91	91	91	821445	814173	<0.2	<0.2	2.4	2.3				
						3.5	0.3	81	27.3	27.3	7.6	7.6	20.7	20.7	85.3	85.3	6.0	6.0	8.9	8.6	6	7	91	91	91	91	821445	814173	<0.2	<0.2	2.3	2.3				
SR3	Sunny	Moderate	16:59	8.6	Surface	1.0	0.2	173	27.6	27.6	7.5	7.5	14.0	14.0	76.5	76.5	5.6	5.5	10.4	11.2	5	6	-	-	822162	807557	-	-	-	-						
						1.0	0.2	186	27.6	27.6	7.5	7.5	14.0	14.0	76.5	76.5	5.6	5.5	10.4	11.2	6	6	-	-	-	-	822162	807557	-	-	-	-				
					Middle	4.3	0.3	164	26.9	26.9	7.5	7.5	21.9	21.9	76.8	76.8	5.4	5.4	11.4	11.2	6	6	-	-	-	-	822162	807557	-	-	-	-				
						4.3	0.3	166	26.9	26.9	7.5	7.5	21.9	21.9	76.8	76.8	5.4	5.4	11.4	11.2	7	6	-	-	-	-	822162	807557	-	-	-	-				
					Bottom	7.6	0.1	25	26.9	26.9	7.5	7.5	24.4	24.4	84.0	84.0	5.9	5.9	11.9	11.2	5	5	-	-	-	-	822162	807557	-	-	-	-				
						7.6	0.1	26	26.9	26.9	7.5	7.5	24.4	24.4	84.0	84.0	5.9	5.9	11.9	11.2	5	5	-	-	-	-	822162	807557	-	-	-	-				
SR4A	Sunny	Moderate	18:11	8.4	Surface	1.0	0.2	240	27.9	27.9	7.6	7.6	19.8	19.8	85.2	85.2	6.0	5.9	9.6	14.6	5	9	-	-	817175	807821	-	-	-	-						
						1.0	0.2	253	27.8	27.8	7.6	7.6	19.8	19.8	85.1	85.1	6.0	5.9	9.7	14.6	5	9	-	-	-	-	817175	807821	-	-	-	-				
					Middle	4.2	0.1	46	26.9	26.9	7.6	7.6	22.6	22.6	81.2	81.2	5.7	5.7	14.2	14.6	5	9	-	-	-	-	817175	807821	-	-	-	-				
						4.2	0.1	50	26.9	26.9	7.6	7.6	22.6	22.6	81.2	81.2	5.7	5.7	14.2	14.6	6	9	-	-	-	-	817175	807821	-	-	-	-				
					Bottom	7.4	0.2	37	26.1	26.1	7.6	7.6	28.0	28.0	77.1	77.1	5.3	5.3	20.0	14.6	17	9	-	-	-	-	817175	807821	-	-	-	-				
						7.4	0.2	38	26.1	26.1	7.6	7.6	28.0	28.0	77.1	77.1	5.3	5.3	20.1	14.6	16	9	-	-	-	-	817175	807821	-	-	-	-				
SR5A	Sunny	Moderate	18:27	4.6	Surface	1.0	0.0	324	27.3	27.3	7.6	7.6	21.7	21.7	81.4	81.4	5.7	5.7	9.2	10.4	9	10	-	-	816609	810693	-	-	-	-						
						1.0	0.0	355	27.3	27.3	7.6	7.6	21.7	21.7	81.3	81.3	5.7	5.7	9.3	10.4	8	10	-	-	-	-	816609	810693	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.6	0.0																													

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 August 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	Moderate	12:33	8.7	Surface	1.0	0.1	28	29.0	29.0	7.6	7.6	13.6	13.6	86.0	86.0	6.1	5.9	6.5	8.0	5	17	86	89	815607	804237	<0.2	<0.2	1.7	1.5						
						1.0	0.1	29	29.0	7.6	7.6	13.6	13.6	86.0	86.0	6.1	5.9	6.5	8.0	6	17	87	89	<0.2	<0.2	1.6	1.5									
						4.4	0.4	30	26.1	26.1	7.7	7.7	28.7	28.7	81.3	81.3	5.6	5.4	5.5	5.5	5	17	88	89	<0.2	<0.2	1.2	1.5								
					4.4	0.4	31	26.1	26.1	7.7	7.7	28.7	28.7	81.2	81.3	5.6	5.4	5.5	5.5	5	17	89	89	<0.2	<0.2	1.6	1.5									
					7.7	0.3	26	25.8	25.8	7.7	7.7	31.0	31.0	78.6	78.6	5.4	5.4	11.8	11.8	41	39	91	92	<0.2	<0.2	1.5	1.3									
					7.7	0.3	27	25.8	25.8	7.7	7.7	31.0	31.0	78.6	78.6	5.4	5.4	11.9	11.9	39	92	92	92	<0.2	<0.2	1.3	1.3									
C2	Sunny	Moderate	14:00	10.5	Surface	1.0	0.1	18	28.0	28.0	7.5	7.5	15.0	14.9	77.6	77.6	5.6	5.5	9.0	12.8	6	6	86	89	825673	806952	<0.2	<0.2	2.2	2.7						
						1.0	0.1	19	27.9	27.9	7.5	7.5	14.7	14.7	77.6	77.6	5.6	5.5	8.9	8.9	6	6	86	89	<0.2	<0.2	1.9	2.7								
						5.3	0.3	309	26.9	26.9	7.5	7.5	22.8	22.8	75.4	75.4	5.3	5.3	10.5	10.5	6	6	90	91	<0.2	<0.2	3.2	3.1								
					5.3	0.3	338	26.9	26.9	7.5	7.5	22.8	22.8	75.4	75.4	5.3	5.3	10.5	10.5	6	6	89	91	<0.2	<0.2	3.1	2.8									
					9.5	0.3	337	26.4	26.4	7.5	7.5	27.4	27.4	72.1	72.1	5.0	5.0	18.8	18.8	5	7	91	91	<0.2	<0.2	2.8	3.1									
					9.5	0.3	350	26.4	26.4	7.5	7.5	27.4	27.4	72.1	72.1	5.0	5.0	18.8	18.8	7	91	91	91	<0.2	<0.2	2.8	3.1									
C3	Sunny	Moderate	11:39	13.2	Surface	1.0	0.2	241	27.7	27.7	7.6	7.6	19.7	19.7	82.2	82.2	5.8	5.7	7.1	7.6	5	6	90	93	822102	817801	<0.2	<0.2	2.6	2.2						
						1.0	0.2	256	27.7	27.7	7.6	7.6	19.7	19.7	82.2	82.2	5.8	5.7	7.1	7.1	5	6	89	93	<0.2	<0.2	2.6	2.2								
						6.6	0.4	264	26.6	26.6	7.6	7.6	26.0	26.0	78.6	78.6	5.5	5.5	6.8	6.8	5	6	93	92	<0.2	<0.2	2.4	2.2								
					6.6	0.4	273	26.6	26.6	7.6	7.6	26.0	26.0	78.6	78.6	5.5	5.5	6.8	6.8	5	6	92	96	<0.2	<0.2	2.7	1.4									
					12.2	0.2	273	25.8	25.8	7.6	7.6	30.4	30.4	77.2	77.2	5.3	5.3	8.9	8.9	7	7	96	96	<0.2	<0.2	1.4	1.5									
					12.2	0.2	294	25.8	25.8	7.6	7.6	30.4	30.4	77.2	77.2	5.3	5.3	8.9	8.9	7	7	96	96	<0.2	<0.2	1.5	1.5									
IM1	Sunny	Moderate	12:56	7.3	Surface	1.0	0.6	21	27.3	27.3	7.7	7.7	20.0	20.0	80.3	80.3	5.7	5.6	6.7	9.7	6	6	86	88	818349	806440	<0.2	<0.2	2.8	2.3						
						1.0	0.6	22	27.3	27.3	7.7	7.7	20.0	20.0	80.3	80.3	5.7	5.6	6.8	6.8	4	6	86	88	<0.2	<0.2	2.5	2.3								
						3.7	0.5	13	26.4	26.4	7.7	7.7	26.8	26.8	78.9	78.9	5.5	5.5	8.1	8.1	5	6	88	91	<0.2	<0.2	2.4	2.3								
					3.7	0.5	13	26.4	26.4	7.7	7.7	26.7	26.7	78.9	78.9	5.5	5.5	8.2	8.2	6	6	88	91	<0.2	<0.2	2.3	2.3									
					6.3	0.4	7	26.1	26.1	7.7	7.7	29.1	29.1	77.3	77.3	5.3	5.3	14.2	14.2	9	7	91	91	<0.2	<0.2	1.9	1.8									
					6.3	0.4	7	26.1	26.1	7.7	7.7	29.1	29.1	77.3	77.3	5.3	5.3	14.2	14.2	7	7	91	91	<0.2	<0.2	1.8	1.8									
IM2	Sunny	Moderate	13:00	8.3	Surface	1.0	0.7	17	28.7	28.7	7.6	7.6	14.4	14.5	82.7	82.7	5.9	5.7	7.4	8.2	4	5	86	89	818837	806196	<0.2	<0.2	2.5	2.0						
						1.0	0.7	17	28.7	28.7	7.6	7.6	14.6	14.6	82.7	82.7	5.9	5.7	7.3	7.3	5	5	87	89	<0.2	<0.2	2.5	2.0								
						4.2	0.5	17	26.4	26.4	7.7	7.7	26.3	26.3	78.3	78.3	5.4	5.4	6.9	6.9	4	5	89	89	<0.2	<0.2	2.5	2.4								
					4.2	0.5	18	26.4	26.4	7.7	7.7	26.3	26.3	78.3	78.3	5.4	5.4	7.0	7.0	4	5	89	92	<0.2	<0.2	2.4	2.4									
					7.3	0.3	14	26.1	26.1	7.7	7.7	28.9	28.9	76.5	76.5	5.3	5.3	10.3	10.3	5	5	92	91	<0.2	<0.2	1.1	1.2									
					7.3	0.3	14	26.1	26.1	7.7	7.7	28.9	28.9	76.5	76.5	5.3	5.3	10.3	10.3	5	5	91	91	<0.2	<0.2	1.2	1.2									
IM3	Sunny	Moderate	13:09	8.4	Surface	1.0	0.5	3	28.5	28.5	7.6	7.6	15.1	15.1	84.2	84.2	6.0	5.8	6.4	8.7	6	6	87	90	819423	806007	<0.2	<0.2	2.6	2.0						
						1.0	0.5	3	28.5	28.5	7.6	7.6	15.1	15.1	84.2	84.2	6.0	5.8	6.4	6.4	4	6	87	90	<0.2	<0.2	2.6	2.0								
						4.2	0.4	354	27.1	27.1	7.6	7.6	21.4	21.4	79.9	79.9	5.6	5.6	7.3	7.3	7	6	91	90	<0.2	<0.2	2.6	2.3								
					4.2	0.4	359	27.1	27.1	7.6	7.6	21.4	21.4	79.9	79.9	5.6	5.6	7.3	7.3	5	6	90	93	<0.2	<0.2	2.3	0.9									
					7.4	0.2	6	26.1	26.1	7.7	7.7	29.1	29.1	75.8	75.8	5.2	5.2	12.5	12.5	9	7	93	92	<0.2	<0.2	0.9	1.0									
					7.4	0.2	6	26.1	26.1	7.7	7.7	29.1	29.1	75.8	75.8	5.2	5.2	12.5	12.5	7	7	92	92	<0.2	<0.2	1.0	1.0									
IM4	Sunny	Moderate	13:16	7.8	Surface	1.0	0.2	323	28.5	28.5	7.6	7.6	15.3	15.3	84.3	84.3	6.0	5.8	6.4	10.9	5	5	86	89	819568	805049	<0.2	<0.2	2.6	1.9						
						1.0	0.2	340	28.5	28.5	7.6	7.6	15.3	15.3	84.2	84.2	6.0	5.8	6.4	6.4	5	5	86	89	<0.2	<0.2	1.9	1.9								
						3.9	0.2	354	26.4	26.4	7.6	7.6	26.5	26.5	78.6	78.6	5.5	5.5	7.2	7.2	4	5	88	89	<0.2	<0.2	2.9	1.9								
					3.9	0.3	326	26.4	26.4	7.6	7.6	26.5	26.5	78.6	78.6	5.5	5.5	7.2	7.2	4	5	89	92	<0.2	<0.2	1.9	1.0									
					6.8	0.2	343	26.0	26.0	7.7	7.7	29.5	29.5	76.7	76.7	5.3	5.3	18.8	18.8	4	5	92	92	<0.2	<0.2	1.0	0.9									
					6.8	0.2	316	26.0	26.0	7.7	7.7	29.5	29.5	76.7	76.7	5.3	5.3	19.2	19.2	5	5	92	92	<0.2	<0.2	0.9	0.9									
IM5	Sunny	Moderate	13:27	6.9	Surface	1.0	0.1	296	29.0	29.0	7.6	7.6	12.6	12.5	83.0	83.0	6.0	5.8	8.1	8.0	5	7	86	90	820546	804917	<0.2	<0.2	3.2	2.4						
						1.0	0.1	305	29.0	29.0	7.6	7.6	12.4	12.5	83.0	83.0	6.0	5.8	8.1	8.1	6	7	86	91	<0.2	<0.2	3.1	2.4								
						3.5	0.3	317	27.0	27.0	7.6	7.6	23.0	23.1	80.3	80.3	5.6	5.6	8.0	8.0	8	7	91	91	<0.2	<0.2	3.1	2.8								
					3.5	0.3	346	27.0	27.0	7.6	7.6	23.1	23.1	80.3	80.3	5.6	5.6	8.0	8.0	8	7	91	91	<0.2	<0.2	2.8	2.8									
					5.9	0.2	336	26.3	26.3	7.6	7.6	27.6	27.6	79.2	79.2	5.5	5.5	7.8	7.8	8	8	92	93	<0.2	<0.2	0.9	1.1									
					5.9	0.2	344	26.3	26.3	7.6	7.6	27.6	27.6	79.2	79.2	5.5	5.5	7.8	7.8	8	8	93	93	<0.2	<0.2	1.1	1.1									
IM6	Sunny	Moderate	13:35	6.8	Surface	1.0	0.3	298	29.3	29.3	7.5	7.5	12.2	12.2	82.2	82.2	5.9	5.8	8.5	13.3	6	6	86	89	821054	805837	<0.2	<0.2	3.3	2.9						
						1.0	0.3																													

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

Water Quality Monitoring

Water Quality Monitoring Results on **29 August 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	Value	DA
IM9	Sunny	Moderate	13:18	6.9	Surface	1.0	0.1	81	28.8	28.8	7.5	7.5	14.5	14.5	79.9	79.9	5.7	9.3	6	86	6	86	89	822083	808800	<0.2	<0.2	2.5	2.8							
						1.0	0.1	88	28.8	28.8	7.5	7.5	14.5	14.5	79.9	79.9	5.7	9.3	6	87	6	87	6	87	89	822083	808800	<0.2	<0.2	2.7	2.8					
					Middle	3.5	0.1	48	27.2	27.2	7.5	7.5	20.3	20.3	76.4	76.4	5.4	10.9	7	89	7	89	7	89	89	822083	808800	<0.2	<0.2	2.7	2.8					
						3.5	0.2	49	27.2	27.2	7.5	7.5	20.3	20.3	76.4	76.4	5.4	10.9	7	89	7	89	7	89	89	822083	808800	<0.2	<0.2	2.7	2.8					
					Bottom	5.9	0.1	281	26.8	26.8	7.5	7.5	23.2	23.2	77.9	77.9	5.5	10.9	8	91	8	91	8	91	89	822083	808800	<0.2	<0.2	3.0	3.1					
						5.9	0.1	287	26.8	26.8	7.5	7.5	23.2	23.2	77.9	77.9	5.5	10.9	8	91	8	91	8	91	89	822083	808800	<0.2	<0.2	3.0	3.1					
IM10	Sunny	Moderate	13:04	6.5	Surface	1.0	0.2	30	28.3	28.3	7.5	7.5	14.2	14.2	78.8	78.8	5.7	10.0	7	87	7	87	89	822249	809822	<0.2	<0.2	2.7	2.7							
						1.0	0.2	30	28.3	28.3	7.5	7.5	14.2	14.2	78.8	78.8	5.7	10.0	6	87	6	87	6	87	89	822249	809822	<0.2	<0.2	2.7	2.7					
					Middle	3.3	0.4	325	27.0	27.0	7.5	7.5	21.2	21.2	76.2	76.2	5.4	13.0	7	89	7	89	7	89	89	822249	809822	<0.2	<0.2	2.3	2.3					
						3.3	0.4	351	27.0	27.0	7.5	7.5	21.2	21.2	76.2	76.2	5.4	13.0	7	89	7	89	7	89	89	822249	809822	<0.2	<0.2	2.3	2.3					
					Bottom	5.5	0.2	314	26.9	26.9	7.5	7.5	22.1	22.1	77.5	77.5	5.5	12.4	7	91	7	91	7	91	89	822249	809822	<0.2	<0.2	3.1	3.1					
						5.5	0.2	333	26.9	26.9	7.5	7.5	22.1	22.1	77.5	77.5	5.5	12.4	5	91	5	91	5	91	89	822249	809822	<0.2	<0.2	2.9	2.9					
IM11	Sunny	Moderate	12:46	8.7	Surface	1.0	0.2	323	29.0	29.0	7.5	7.5	13.8	13.8	79.3	79.3	5.7	8.9	5	88	5	88	90	821492	810541	<0.2	<0.2	2.5	2.8							
						1.0	0.2	328	29.0	29.0	7.5	7.5	13.8	13.8	79.3	79.3	5.7	8.9	5	87	5	87	5	89	90	821492	810541	<0.2	<0.2	2.5	2.8					
					Middle	4.4	0.4	293	27.1	27.1	7.5	7.5	19.9	19.9	76.0	76.0	5.4	9.5	5	89	5	89	5	89	90	821492	810541	<0.2	<0.2	3.0	2.8					
						4.4	0.5	307	27.1	27.1	7.5	7.5	19.9	19.9	76.0	76.0	5.4	9.5	7	90	7	90	7	90	90	821492	810541	<0.2	<0.2	2.9	2.8					
					Bottom	7.7	0.2	339	26.6	26.6	7.6	7.6	25.0	25.0	77.1	77.1	5.4	10.5	6	91	6	91	6	91	90	821492	810541	<0.2	<0.2	2.9	2.8					
						7.7	0.2	357	26.6	26.6	7.6	7.6	25.0	25.0	77.1	77.1	5.4	10.5	6	91	6	91	6	91	90	821492	810541	<0.2	<0.2	3.0	2.8					
IM12	Sunny	Moderate	12:32	7.4	Surface	1.0	0.2	272	29.1	29.1	7.5	7.5	13.7	13.7	83.0	83.0	5.9	8.7	4	88	4	88	90	821148	811508	<0.2	<0.2	2.6	2.2							
						1.0	0.3	288	29.1	29.1	7.5	7.5	13.7	13.7	83.0	83.0	5.9	8.7	5	89	5	89	5	89	90	821148	811508	<0.2	<0.2	2.5	2.2					
					Middle	3.7	0.6	272	27.0	27.0	7.6	7.6	21.7	21.7	77.5	77.5	5.5	9.2	6	91	6	91	6	91	90	821148	811508	<0.2	<0.2	2.3	2.2					
						3.7	0.6	275	27.0	27.0	7.6	7.6	21.7	21.7	77.5	77.5	5.5	9.2	5	90	5	90	5	90	90	821148	811508	<0.2	<0.2	2.1	2.2					
					Bottom	6.4	0.1	294	26.5	26.5	7.6	7.6	25.3	25.3	77.8	77.8	5.4	9.9	6	92	6	92	6	92	90	821148	811508	<0.2	<0.2	1.9	2.2					
						6.4	0.1	310	26.5	26.5	7.6	7.6	25.3	25.3	77.8	77.8	5.4	9.9	6	92	6	92	6	92	90	821148	811508	<0.2	<0.2	1.7	2.2					
SR2	Sunny	Moderate	12:04	4.8	Surface	1.0	0.2	319	28.6	28.6	7.6	7.6	14.3	14.3	85.3	85.3	6.1	9.5	6	88	6	88	90	821445	814173	<0.2	<0.2	1.8	2.1							
						1.0	0.2	342	28.6	28.6	7.6	7.6	14.3	14.3	85.3	85.3	6.1	9.5	4	88	4	88	4	88	90	821445	814173	<0.2	<0.2	1.9	2.1					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	821445	814173	<0.2	<0.2	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	821445	814173	<0.2	<0.2	-	-			
					Bottom	3.8	0.3	307	27.9	27.9	7.6	7.6	17.3	17.3	86.7	86.8	6.2	10.6	7	91	7	91	7	91	90	821445	814173	<0.2	<0.2	2.2	2.1					
						3.8	0.3	312	27.9	27.9	7.6	7.6	17.3	17.3	86.7	86.8	6.2	10.6	6	91	6	91	6	91	90	821445	814173	<0.2	<0.2	2.5	2.1					
SR3	Sunny	Moderate	13:37	8.6	Surface	1.0	0.0	136	27.8	27.8	7.5	7.5	16.6	16.6	77.0	77.0	5.5	8.9	7	-	7	-	-	-	822162	807557	-	-	-	-						
						1.0	0.0	144	27.8	27.8	7.5	7.5	16.6	16.6	77.0	77.0	5.5	8.9	4	-	4	-	-	-	-	-	822162	807557	-	-	-	-				
					Middle	4.3	0.1	62	27.0	27.0	7.5	7.5	21.4	21.4	75.4	75.4	5.3	9.6	5	-	5	-	-	-	-	-	822162	807557	-	-	-	-				
						4.3	0.2	66	27.0	27.0	7.5	7.5	21.4	21.4	75.4	75.4	5.3	9.6	5	-	5	-	-	-	-	-	822162	807557	-	-	-	-				
					Bottom	7.6	0.1	25	26.6	26.6	7.5	7.5	24.8	24.8	77.5	77.5	5.4	14.6	5	-	5	-	-	-	-	-	-	822162	807557	-	-	-	-			
						7.6	0.1	25	26.6	26.6	7.5	7.5	24.8	24.8	77.5	77.5	5.4	14.6	5	-	5	-	-	-	-	-	-	822162	807557	-	-	-	-			
SR4A	Sunny	Moderate	12:09	9.2	Surface	1.0	0.2	217	29.0	29.0	7.6	7.6	15.9	15.9	85.6	85.6	6.0	9.6	7	-	7	-	-	-	817175	807821	-	-	-	-						
						1.0	0.2	236	29.0	29.0	7.6	7.6	15.9	15.9	85.5	85.5	6.0	9.7	8	-	8	-	-	-	-	-	817175	807821	-	-	-	-				
					Middle	4.6	0.3	232	26.3	26.3	7.6	7.6	27.3	27.3	75.2	75.2	5.2	14.5	7	-	7	-	-	-	-	-	817175	807821	-	-	-	-				
						4.6	0.3	241	26.3	26.3	7.6	7.6	27.3	27.3	75.2	75.2	5.2	14.5	6	-	6	-	-	-	-	-	817175	807821	-	-	-	-				
					Bottom	8.2	0.2	230	26.2	26.2	7.6	7.6	28.1	28.1	76.3	76.3	5.3	20.9	11	-	11	-	-	-	-	-	817175	807821	-	-	-	-				
						8.2	0.2	252	26.2	26.2	7.6	7.6	28.1	28.1	76.3	76.3	5.3	20.9	10	-	10	-	-	-	-	-	817175	807821	-	-	-	-				
SR5A	Sunny	Moderate	11:53	4.9	Surface	1.0	0.4	332	29.1	29.1	7.7	7.7	20.4	20.4	93.9	93.9	6.4	11.9	6	-	6	-	-	-	816609	810693	-	-	-	-						
						1.0	0.4	346	29.1	29.1	7.7	7.7	20.4	20.4	93.8	93.8	6.4	11.9	8	-	8	-	-	-	-	-	816609	810693	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816609	810693	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816609	810693	-	-	-	-				
					Bottom	3.9	0.2	329	27.2																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 August 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	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
C1	Cloudy	Moderate	08:53	9.0	Surface	1.0	0.5	176	28.6	7.5	7.5	7.1	7.1	83.8	83.8	6.2	6.0	7.5	14.2	6	79	83	815610	804229	<0.2	<0.2	2.4	2.1				
						1.0	0.5	188	28.6	28.6	7.5	7.5	7.1	7.1	83.7	83.8	6.2	6.0	7.3	6	80	83	815610	804229	<0.2	<0.2	2.6	2.1				
						4.5	0.4	213	28.4	28.5	7.6	7.6	15.1	15.5	81.6	81.7	5.8	5.2	5.9	6	81	83	815610	804229	<0.2	<0.2	2.5	2.1				
					4.5	0.4	228	28.5	28.5	7.6	7.6	15.8	15.5	81.7	81.7	5.8	5.2	6.0	5	81	83	815610	804229	<0.2	<0.2	2.5	2.1					
					8.0	0.5	209	25.8	25.8	7.6	7.6	30.7	30.7	75.1	75.4	5.1	4.9	29.6	4	89	83	815610	804229	<0.2	<0.2	1.3	2.1					
					8.0	0.5	218	25.8	25.8	7.6	7.6	30.7	30.7	75.7	75.4	5.2	4.9	29.0	4	89	83	815610	804229	<0.2	<0.2	1.4	2.1					
C2	Cloudy	Moderate	09:55	11.1	Surface	1.0	0.9	165	28.6	7.5	7.5	10.0	10.0	73.5	73.5	5.4	5.1	12.3	9.1	9	86	91	825682	806957	<0.2	<0.2	3.1	3.0				
						1.0	0.9	167	28.6	28.6	7.5	7.5	10.0	10.0	73.5	73.5	5.4	5.1	12.3	8	86	91	825682	806957	<0.2	<0.2	2.9	3.0				
						5.6	0.5	151	26.3	26.3	7.6	7.6	27.8	27.8	69.6	69.7	4.8	4.8	8.3	8	93	91	825682	806957	<0.2	<0.2	3.1	3.0				
					5.6	0.5	159	26.3	26.3	7.6	7.6	27.8	27.8	69.7	69.7	4.8	4.8	8.2	8	92	91	825682	806957	<0.2	<0.2	2.9	3.0					
					10.1	0.3	157	26.2	26.2	7.6	7.6	29.6	29.6	70.7	70.7	4.8	4.8	6.8	8	94	91	825682	806957	<0.2	<0.2	3.0	3.0					
					10.1	0.3	171	26.2	26.2	7.6	7.6	29.6	29.6	70.7	70.7	4.8	4.8	6.8	9	94	91	825682	806957	<0.2	<0.2	2.8	3.0					
C3	Cloudy	Moderate	07:33	12.7	Surface	1.0	0.2	120	27.7	7.6	7.6	20.6	20.6	81.1	81.1	5.7	5.6	5.4	6.4	4	90	92	822111	817792	<0.2	<0.2	2.5	2.3				
						1.0	0.2	124	27.7	27.7	7.6	7.6	20.6	20.6	81.1	81.1	5.7	5.6	5.4	3	89	92	822111	817792	<0.2	<0.2	2.4	2.3				
						6.4	0.1	57	27.2	27.2	7.6	7.6	24.1	24.1	79.4	79.4	5.5	5.5	5.6	4	92	92	822111	817792	<0.2	<0.2	2.6	2.3				
					6.4	0.1	57	27.2	27.2	7.6	7.6	24.1	24.1	79.4	79.4	5.5	5.5	5.6	3	91	92	822111	817792	<0.2	<0.2	1.9	2.3					
					11.7	0.1	108	26.1	26.1	7.7	7.7	30.8	30.8	78.3	78.3	5.3	5.3	8.1	4	94	92	822111	817792	<0.2	<0.2	2.1	2.3					
					11.7	0.1	117	26.1	26.1	7.7	7.7	30.8	30.8	78.3	78.3	5.3	5.3	8.1	3	95	92	822111	817792	<0.2	<0.2	2.1	2.3					
IM1	Cloudy	Moderate	09:17	7.4	Surface	1.0	0.6	184	28.5	28.5	7.6	7.6	10.5	10.5	84.9	84.8	6.2	5.6	7.4	7.4	6	79	86	818355	806475	<0.2	<0.2	3.0	1.9			
						1.0	0.6	193	28.5	28.5	7.6	7.6	10.5	10.5	84.7	84.8	6.2	5.6	7.2	5	79	86	818355	806475	<0.2	<0.2	3.0	1.9				
						3.7	0.3	178	26.1	26.1	7.7	7.7	29.0	29.1	71.5	71.3	4.9	4.9	6.4	4	86	86	818355	806475	<0.2	<0.2	2.0	1.9				
					3.7	0.4	192	26.1	26.1	7.7	7.7	29.2	29.1	71.1	71.3	4.9	4.9	6.3	4	86	86	818355	806475	<0.2	<0.2	2.1	1.9					
					6.4	0.1	159	25.8	25.8	7.7	7.7	30.6	30.6	71.0	71.0	4.9	4.9	8.6	5	93	86	818355	806475	<0.2	<0.2	0.6	1.9					
					6.4	0.1	165	25.8	25.8	7.7	7.7	30.6	30.6	71.0	71.0	4.9	4.9	8.7	4	93	86	818355	806475	<0.2	<0.2	0.7	1.9					
IM2	Cloudy	Moderate	09:26	8.6	Surface	1.0	0.8	193	28.6	28.6	7.5	7.5	9.1	9.0	79.9	80.1	5.9	5.5	7.9	7.5	5	75	83	818885	806189	<0.2	<0.2	3.0	2.1			
						1.0	0.8	204	28.6	28.6	7.5	7.5	8.8	9.0	80.2	80.1	5.9	5.5	7.9	5	78	83	818885	806189	<0.2	<0.2	2.7	2.1				
						4.3	0.3	194	26.1	26.1	7.7	7.7	29.3	29.4	72.5	72.6	5.0	4.9	6.3	4	82	83	818885	806189	<0.2	<0.2	2.6	2.1				
					4.3	0.3	197	26.1	26.1	7.7	7.7	29.4	29.4	72.6	72.6	5.0	4.9	6.3	5	82	83	818885	806189	<0.2	<0.2	2.5	2.1					
					7.6	0.1	163	25.9	25.9	7.7	7.7	30.3	30.4	72.1	72.2	4.9	4.9	8.0	3	90	83	818885	806189	<0.2	<0.2	0.7	2.1					
					7.6	0.1	177	25.9	25.9	7.7	7.7	30.4	30.4	72.2	72.2	4.9	4.9	8.5	4	90	83	818885	806189	<0.2	<0.2	0.8	2.1					
IM3	Cloudy	Moderate	09:37	8.4	Surface	1.0	0.7	194	28.5	28.5	7.5	7.5	10.8	10.9	80.2	80.2	5.9	5.5	8.0	8.1	5	79	86	819404	806020	<0.2	<0.2	2.6	2.4			
						1.0	0.7	207	28.5	28.5	7.5	7.5	10.9	10.9	80.2	80.2	5.9	5.5	7.9	5	79	86	819404	806020	<0.2	<0.2	2.5	2.4				
						4.2	0.4	209	27.0	27.0	7.7	7.7	23.9	23.8	72.2	72.2	5.0	4.9	6.8	3	92	86	819404	806020	<0.2	<0.2	2.6	2.4				
					4.2	0.5	212	27.0	27.0	7.7	7.7	23.7	23.8	72.2	72.2	5.0	4.9	7.0	4	92	86	819404	806020	<0.2	<0.2	2.6	2.4					
					7.4	0.1	187	25.8	25.8	7.7	7.7	30.5	30.6	70.8	70.9	4.9	4.9	9.4	4	86	86	819404	806020	<0.2	<0.2	2.2	2.4					
					7.4	0.1	192	25.8	25.8	7.7	7.7	30.6	30.6	71.0	70.9	4.9	4.9	9.5	4	87	86	819404	806020	<0.2	<0.2	2.1	2.4					
IM4	Cloudy	Moderate	09:46	7.8	Surface	1.0	0.5	176	28.6	28.6	7.5	7.5	7.8	7.6	79.2	79.0	5.9	5.6	9.1	11.1	6	75	86	819563	805053	<0.2	<0.2	2.7	2.3			
						1.0	0.6	189	28.6	28.6	7.5	7.5	7.3	7.6	78.8	78.8	5.9	5.6	9.2	6	76	86	819563	805053	<0.2	<0.2	2.7	2.3				
						3.9	0.3	209	27.5	27.5	7.6	7.6	18.5	19.0	74.2	74.0	5.3	5.2	10.0	7	85	86	819563	805053	<0.2	<0.2	2.5	2.3				
					3.9	0.4	220	27.5	27.5	7.6	7.6	19.4	19.0	73.8	74.0	5.2	5.2	10.0	6	85	86	819563	805053	<0.2	<0.2	2.5	2.3					
					6.8	0.4	171	25.9	25.9	7.7	7.7	30.3	30.3	69.5	69.6	4.8	4.8	13.8	6	97	86	819563	805053	<0.2	<0.2	1.6	2.3					
					6.8	0.4	184	25.9	25.9	7.7	7.7	30.3	30.3	69.6	69.6	4.8	4.8	14.2	5	97	86	819563	805053	<0.2	<0.2	1.6	2.3					
IM5	Cloudy	Moderate	10:00	6.8	Surface	1.0	0.7	193	28.3	28.3	7.4	7.4	10.7	10.8	70.3	70.4	5.2	5.0	9.2	11.2	4	75	80	820558	804924	<0.2	<0.2	3.0	2.7			
						1.0	0.7	194	28.3	28.3	7.4	7.4	10.8	10.8	70.5	70.4	5.2	5.0	9.2	5	75	80	820558	804924	<0.2	<0.2	3.2	2.7				
						3.4	0.5	216	28.0	28.0	7.6	7.6	18.2	18.3	75.1	74.7	5.3	5.3	8.8	6	83	80	820558	804924	<0.2	<0.2	2.4	2.7				
					3.4	0.5	225	27.9	27.9	7.6	7.6	18.3	18.3	74.3	74.7	5.3	5.3	8.6	4	84	80	820558	804924	<0.2	<0.2	2.5	2.7					
					5.8	0.4	202	26.2	26.2	7.6	7.6	28.6	28.7	72.3	72.5	5.0	5.0	15.4	4	80	80	820558	804924	<0.2	<0.2	2.6	2.7					
					5.8	0.4	203	26.1	26.2	7.6	7.6	28.8	28.7	72.7	72.5	5.0	5.0	15.7	6	80	80	820558	804924	<0.2	<0.2	2.7	2.7					
IM6	Cloudy	Moderate	10:10	6.7	Surface	1.0	0.4	177	28.																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 August 17 during Mid-Flood Tide

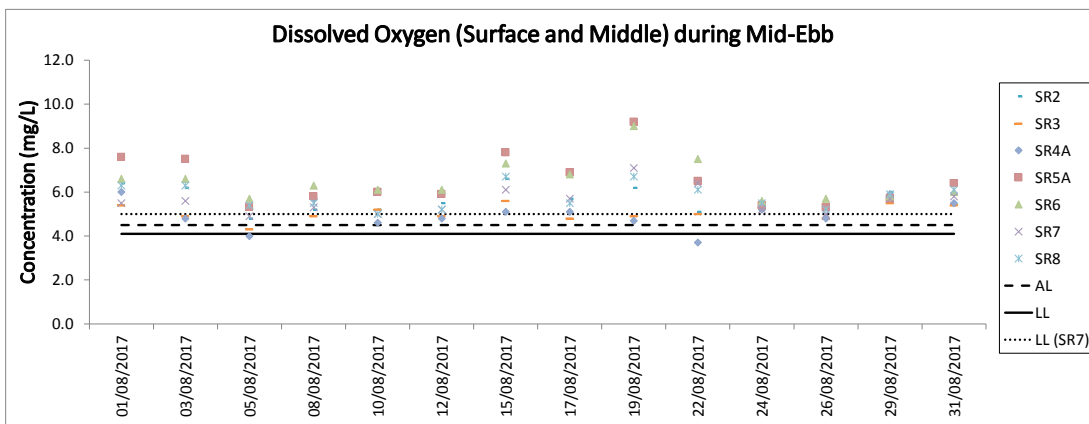
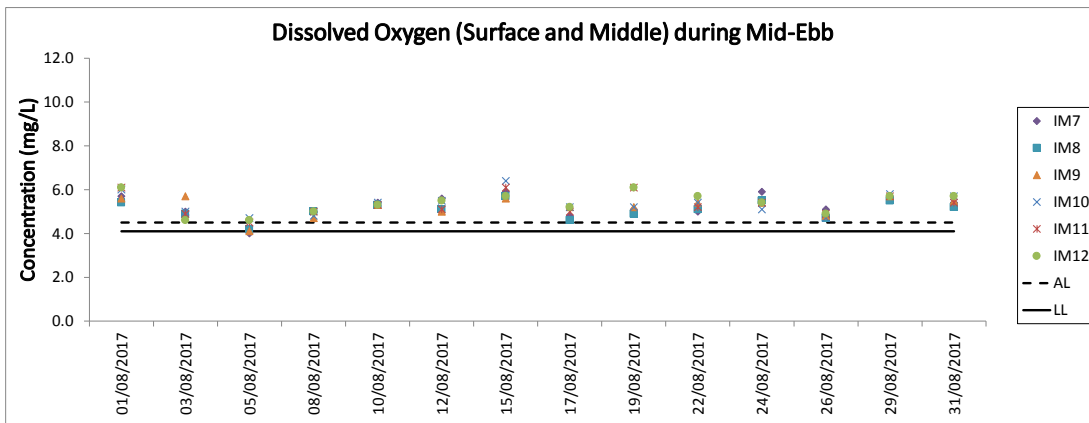
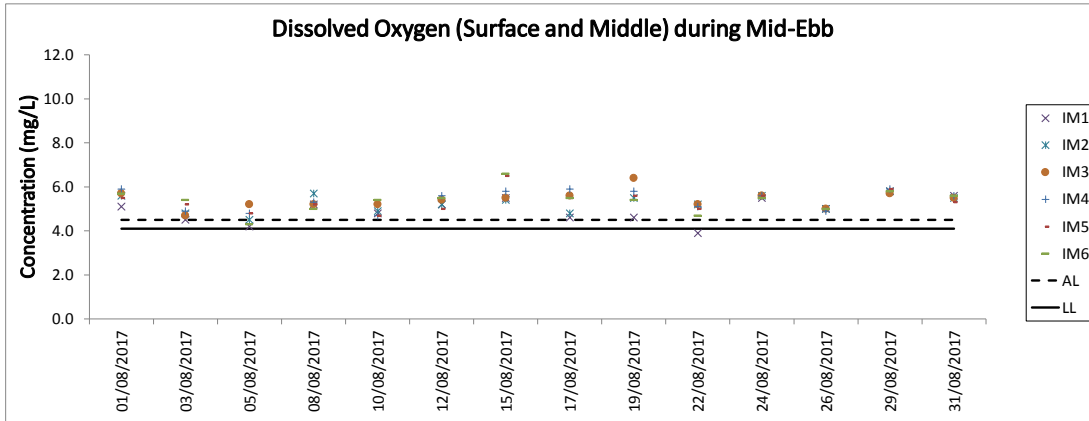
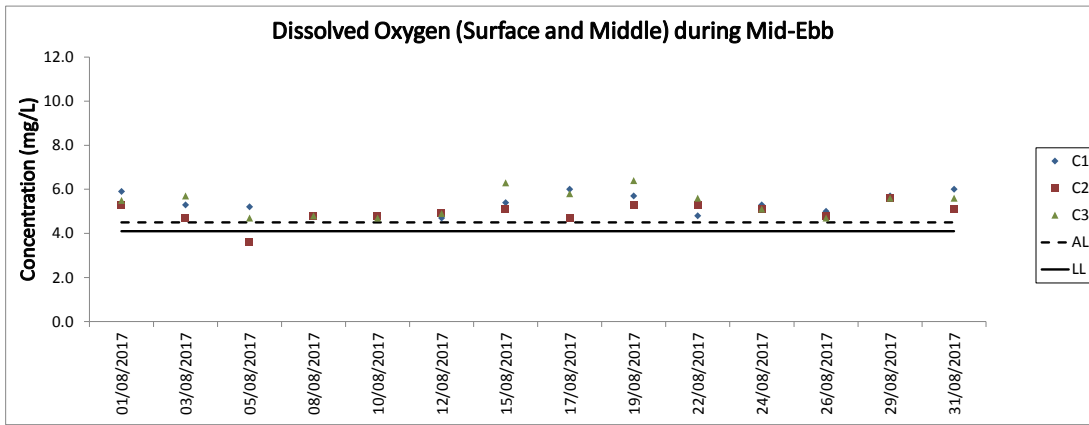
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	16:12	8.7	Surface	1.0	0.2	86	29.9	7.7	7.7	8.9	8.9	92.1	91.8	6.6	5.8	9.4	16.8	6	12	80	85	815636	804261	<0.2	<0.2	2.5	1.8			
						1.0	0.2	86	29.9	7.7	7.7	8.8	8.9	91.4	91.8	6.6	5.8	9.4	16.8	7	12	81	85	815636	804261	<0.2	<0.2	2.5	1.8			
						4.4	0.3	13	26.0	26.0	7.7	7.7	29.8	29.7	71.8	71.9	4.9	5.2	12.2	12.0	6	5	84	84	815636	804261	<0.2	<0.2	2.5	1.8		
					Middle	4.4	0.3	13	26.0	26.0	7.7	7.7	29.6	29.7	71.9	71.9	4.9	5.2	12.0	12.0	5	5	84	84	815636	804261	<0.2	<0.2	2.5	1.8		
						7.7	0.2	24	25.7	25.7	7.7	7.7	31.4	31.4	74.9	74.9	5.1	5.2	29.6	29.6	25	24	89	89	815636	804261	<0.2	<0.2	2.5	1.8		
						7.7	0.2	25	25.7	25.7	7.6	7.7	31.4	31.4	75.7	75.3	5.2	5.2	28.1	28.1	24	24	89	89	815636	804261	<0.2	<0.2	0.5	1.8		
C2	Cloudy	Moderate	14:59	12.7	Surface	1.0	0.2	145	29.8	29.8	7.6	7.6	10.8	10.8	76.3	75.6	5.5	5.1	10.4	9.3	6	7	86	89	825666	806931	<0.2	<0.2	3.1	3.3		
						1.0	0.2	152	29.8	29.8	7.6	7.6	10.8	10.8	74.8	75.6	5.4	5.1	10.5	9.3	7	7	86	89	825666	806931	<0.2	<0.2	2.8	3.3		
						6.4	0.4	308	26.7	26.7	7.6	7.6	26.2	26.2	69.2	69.2	4.8	4.9	9.8	9.8	6	8	88	91	825666	806931	<0.2	<0.2	3.2	3.3		
					Middle	6.4	0.4	328	26.7	26.7	7.6	7.6	26.2	26.2	69.2	69.2	4.8	4.9	9.8	9.8	8	8	89	91	825666	806931	<0.2	<0.2	3.6	3.3		
						11.7	0.2	19	26.3	26.3	7.6	7.6	28.6	28.6	71.6	71.6	4.9	4.9	7.5	7.5	8	7	91	91	825666	806931	<0.2	<0.2	3.3	3.6		
						11.7	0.3	19	26.3	26.3	7.6	7.6	28.6	28.6	71.6	71.6	4.9	4.9	7.5	7.5	7	7	91	91	825666	806931	<0.2	<0.2	3.6	3.6		
C3	Cloudy	Moderate	16:54	11.5	Surface	1.0	0.2	243	28.7	28.7	7.8	7.8	17.9	17.9	88.3	88.3	6.2	5.7	6.6	7.7	4	5	91	94	822091	817808	<0.2	<0.2	2.3	2.4		
						1.0	0.2	247	28.7	28.7	7.8	7.8	17.9	17.9	88.3	88.3	6.2	5.7	6.6	7.7	4	5	91	94	822091	817808	<0.2	<0.2	2.2	2.4		
						5.8	0.3	237	26.2	26.2	7.7	7.7	30.0	30.0	74.0	74.0	5.1	5.1	7.3	7.3	4	4	94	94	822091	817808	<0.2	<0.2	2.4	2.4		
					Middle	5.8	0.3	253	26.2	26.2	7.7	7.7	30.0	30.0	74.0	74.0	5.1	5.1	7.3	7.3	4	4	94	94	822091	817808	<0.2	<0.2	2.3	2.4		
						10.5	0.3	283	25.9	25.9	7.7	7.7	32.7	32.7	79.2	79.2	5.4	5.4	9.1	9.1	6	6	96	96	822091	817808	<0.2	<0.2	2.5	2.5		
						10.5	0.3	300	25.9	25.9	7.7	7.7	32.7	32.7	79.2	79.2	5.4	5.4	9.1	9.1	5	5	97	97	822091	817808	<0.2	<0.2	2.5	2.5		
IM1	Cloudy	Moderate	15:51	7.2	Surface	1.0	0.5	344	29.2	29.2	7.7	7.7	10.3	10.3	86.6	86.5	6.3	5.8	9.0	14.0	5	10	79	84	818334	806447	<0.2	<0.2	2.7	2.3		
						1.0	0.5	316	29.2	29.2	7.7	7.7	10.3	10.3	86.4	86.5	6.3	5.8	8.9	14.0	6	10	79	84	818334	806447	<0.2	<0.2	3.0	2.3		
						3.6	0.5	14	27.2	27.2	7.7	7.7	22.1	22.1	74.4	74.4	5.2	5.2	10.3	10.3	8	8	83	84	818334	806447	<0.2	<0.2	2.8	2.3		
					Middle	3.6	0.5	14	27.2	27.2	7.7	7.7	22.1	22.1	74.4	74.4	5.2	5.2	10.3	10.3	8	8	84	84	818334	806447	<0.2	<0.2	2.6	2.3		
						6.2	0.2	22	25.9	25.9	7.7	7.7	30.6	30.6	68.8	68.8	4.7	4.7	22.8	22.8	18	17	89	89	818334	806447	<0.2	<0.2	1.1	1.3		
						6.2	0.2	22	25.9	25.9	7.7	7.7	30.6	30.6	68.8	68.8	4.7	4.7	22.8	22.8	17	17	89	89	818334	806447	<0.2	<0.2	1.3	1.3		
IM2	Cloudy	Moderate	15:44	8.4	Surface	1.0	0.5	317	29.0	29.0	7.7	7.7	10.4	10.4	89.1	89.0	6.5	5.8	9.6	8.6	6	6	78	85	818851	806177	<0.2	<0.2	2.9	2.2		
						1.0	0.5	319	29.0	29.0	7.7	7.7	10.3	10.4	88.9	89.0	6.5	5.8	9.6	8.6	5	6	78	85	818851	806177	<0.2	<0.2	2.6	2.2		
						4.2	0.3	348	27.0	27.1	7.6	7.6	25.6	24.9	72.8	72.9	5.0	5.1	7.7	7.9	7	7	92	92	818851	806177	<0.2	<0.2	2.8	2.2		
					Middle	4.2	0.3	320	27.1	27.1	7.6	7.6	24.2	24.9	73.0	72.9	5.1	5.1	7.9	7.9	7	7	92	92	818851	806177	<0.2	<0.2	2.7	2.2		
						7.4	0.1	24	26.2	26.2	7.6	7.6	28.8	28.9	73.4	73.8	5.1	5.1	8.4	8.4	5	5	86	86	818851	806177	<0.2	<0.2	0.9	2.2		
						7.4	0.1	24	26.2	26.2	7.6	7.6	28.9	28.9	74.1	73.8	5.1	5.1	8.4	8.4	5	5	86	86	818851	806177	<0.2	<0.2	1.1	2.2		
IM3	Cloudy	Moderate	15:35	8.4	Surface	1.0	0.4	315	29.2	29.2	7.7	7.7	9.9	9.9	90.4	90.3	6.6	6.4	8.5	13.5	6	5	79	85	819402	806036	<0.2	<0.2	2.8	2.4		
						1.0	0.5	330	29.2	29.2	7.7	7.7	9.9	9.9	90.2	90.3	6.6	6.4	8.2	13.5	5	5	79	85	819402	806036	<0.2	<0.2	2.7	2.4		
						4.2	0.1	300	28.6	28.6	7.7	7.7	12.0	12.1	85.8	85.6	6.2	6.2	8.2	8.1	5	5	90	90	819402	806036	<0.2	<0.2	2.9	2.4		
					Middle	4.2	0.2	313	28.6	28.6	7.7	7.7	12.1	12.1	85.4	85.6	6.2	6.2	8.1	8.1	5	5	90	90	819402	806036	<0.2	<0.2	2.8	2.4		
						7.4	0.2	-	25.8	25.8	7.7	7.7	30.6	30.6	68.3	68.3	4.7	4.7	24.0	24.0	5	5	86	86	819402	806036	<0.2	<0.2	1.5	2.4		
						7.4	0.2	-	25.8	25.8	7.7	7.7	30.6	30.6	68.3	68.3	4.7	4.7	24.1	24.1	4	4	87	87	819402	806036	<0.2	<0.2	1.6	2.4		
IM4	Cloudy	Moderate	15:26	7.6	Surface	1.0	0.5	297	29.0	29.0	7.7	7.7	10.8	10.8	90.1	90.1	6.5	6.5	8.8	11.9	5	6	78	87	819576	805022	<0.2	<0.2	2.8	2.4		
						1.0	0.5	304	29.0	29.0	7.7	7.7	10.8	10.8	90.1	90.1	6.5	6.5	8.9	11.9	4	6	78	87	819576	805022	<0.2	<0.2	3.0	2.4		
						3.8	0.5	304	28.8	28.8	7.7	7.7	10.9	10.9	89.0	89.0	6.5	6.5	8.6	8.4	6	6	84	85	819576	805022	<0.2	<0.2	2.5	2.4		
					Middle	3.8	0.5	311	28.8	28.8	7.7	7.7	10.9	10.9	88.9	89.0	6.5	6.5	8.4	8.4	6	6	85	85	819576	805022	<0.2	<0.2	2.5	2.4		
						6.6	0.2	1	25.9	25.9	7.6	7.6	30.6	30.6	74.0	74.6	5.1	5.1	18.6	18.3	7	8	97	97	819576	805022	<0.2	<0.2	1.7	2.4		
						6.6	0.2	1	25.9	25.9	7.6	7.6	30.6	30.6	75.1	74.6	5.1	5.1	18.3	18.3	8	8	97	97	819576	805022	<0.2	<0.2	1.7	2.4		
IM5	Cloudy	Moderate	15:13	6.4	Surface	1.0	0.2	7	29.9	29.9	7.6	7.6	9.9	9.9	86.9	86.8	6.2	5.9	10.2	12.4	6	7	75	80	820545	804931	<0.2	<0.2	2.6	2.8		
						1.0	0.2	7	29.9	29.9	7.6	7.6	9.9	9.9	86.6	86.8	6.2	5.9	10.1	12.4	7	7	76	80	820545	804931	<0.2	<0.2	2.7	2.8		
						3.2	0.1	331	28.7	28.7	7.5	7.5	12.8	12.8	78.2	78.2	5.6	5.6	11.3	11.3	6	7	84	84	820545	804931	<0.2	<0.2	2.7	2.8		
					Middle	3.2	0.1	353	28.7	28.7	7.5																					

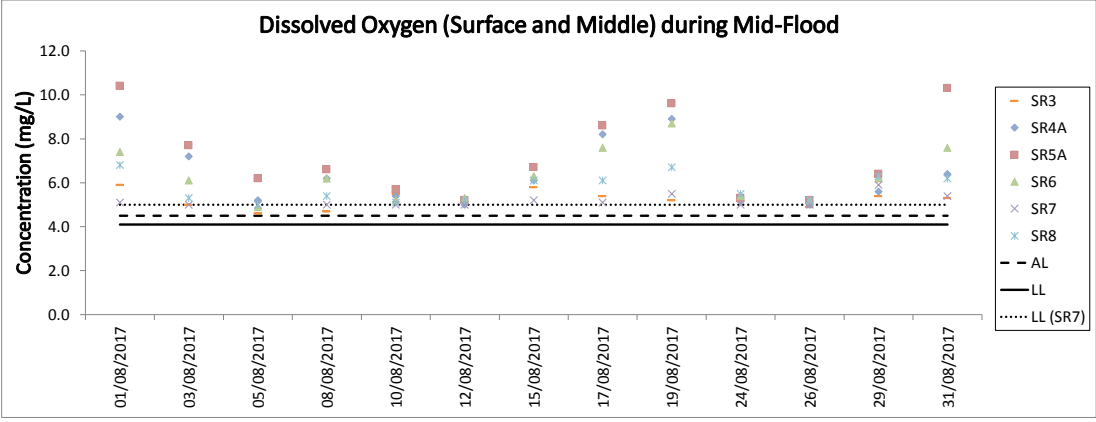
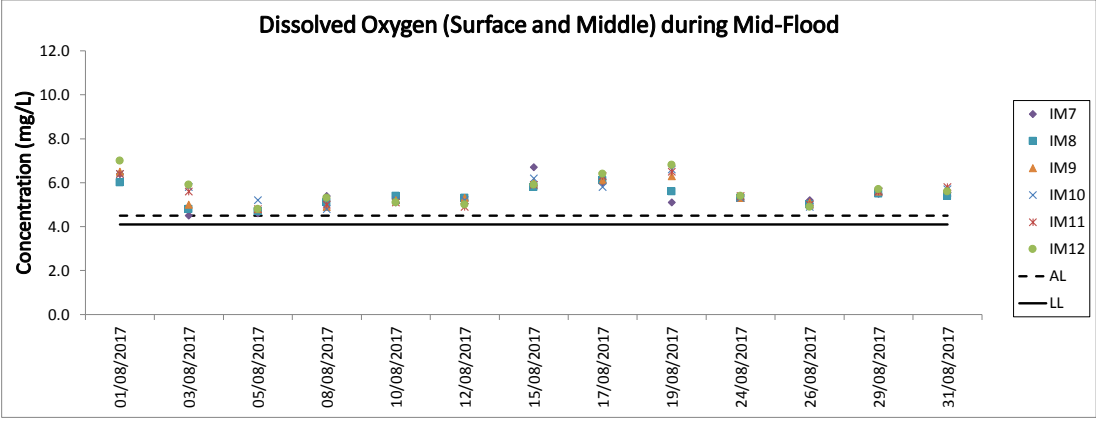
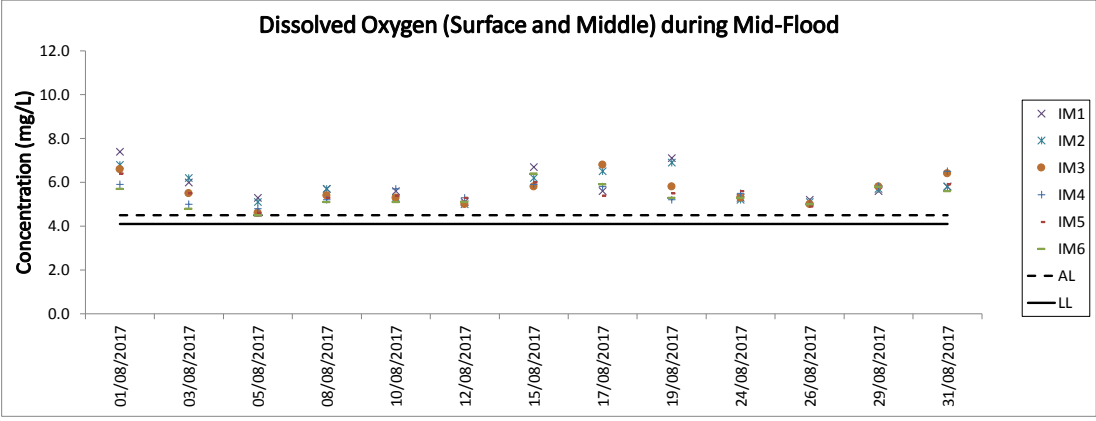
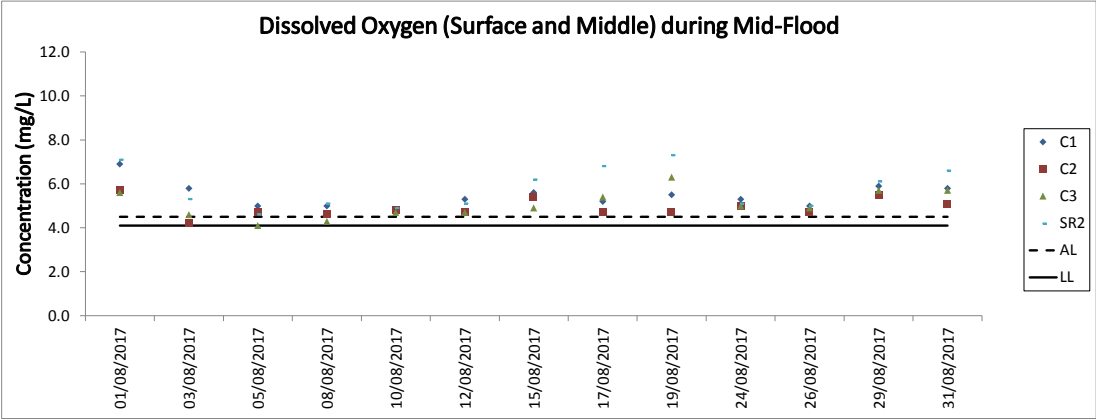
Expansion of Hong Kong International Airport into a Three-Runway System

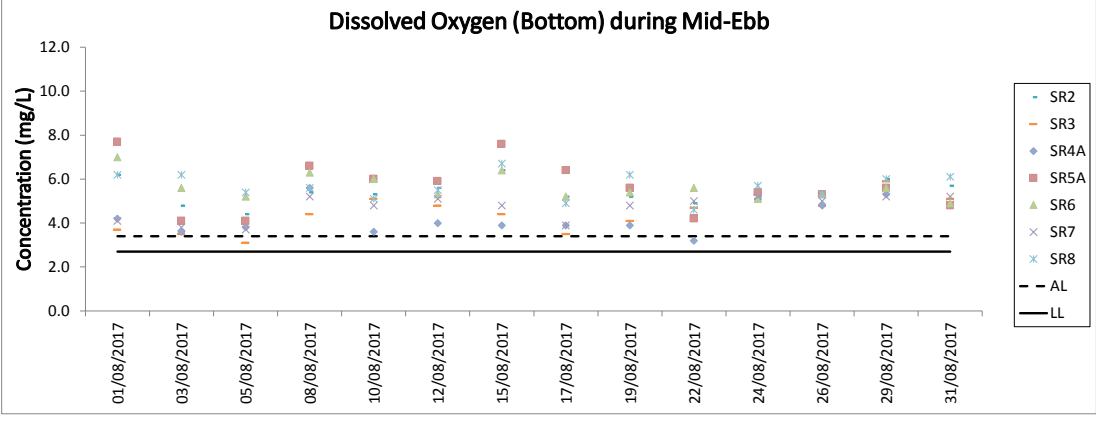
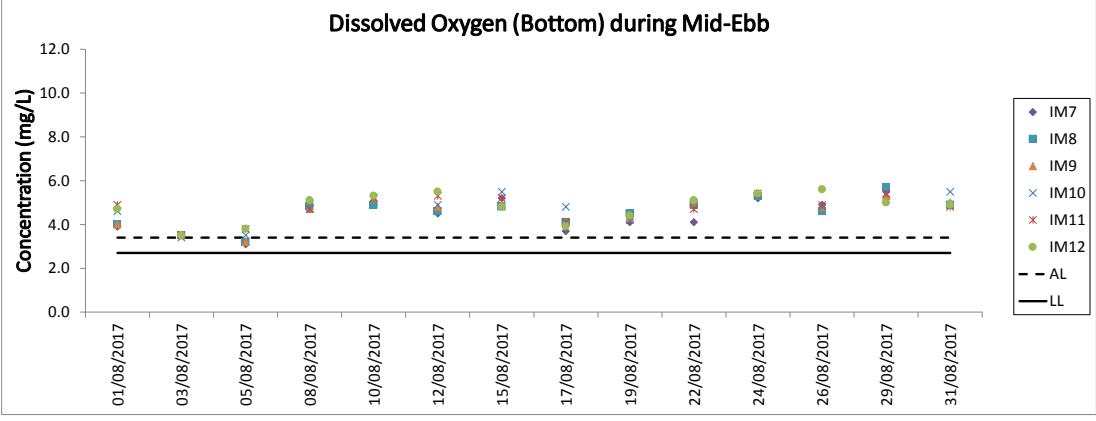
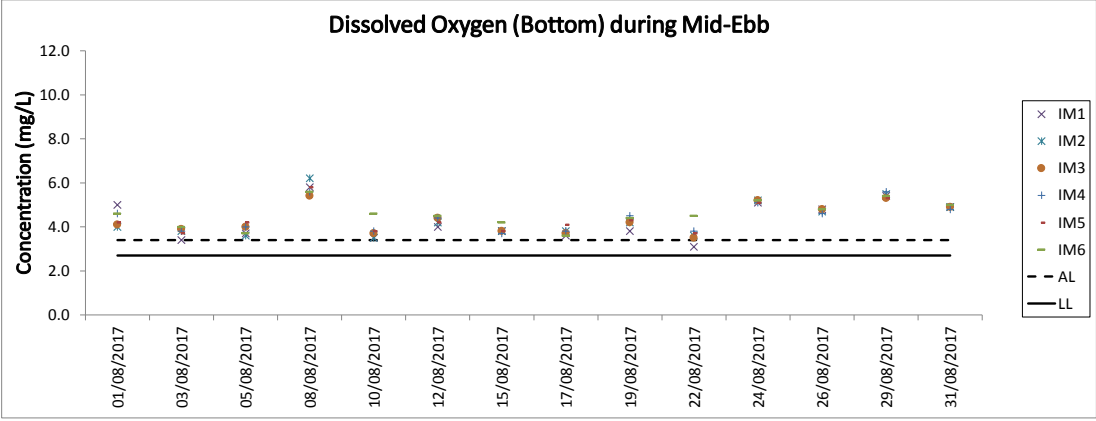
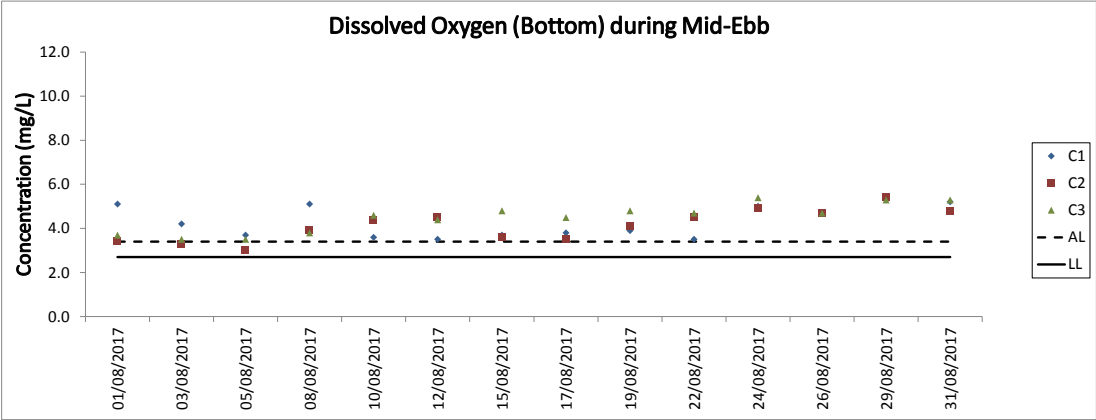
Water Quality Monitoring

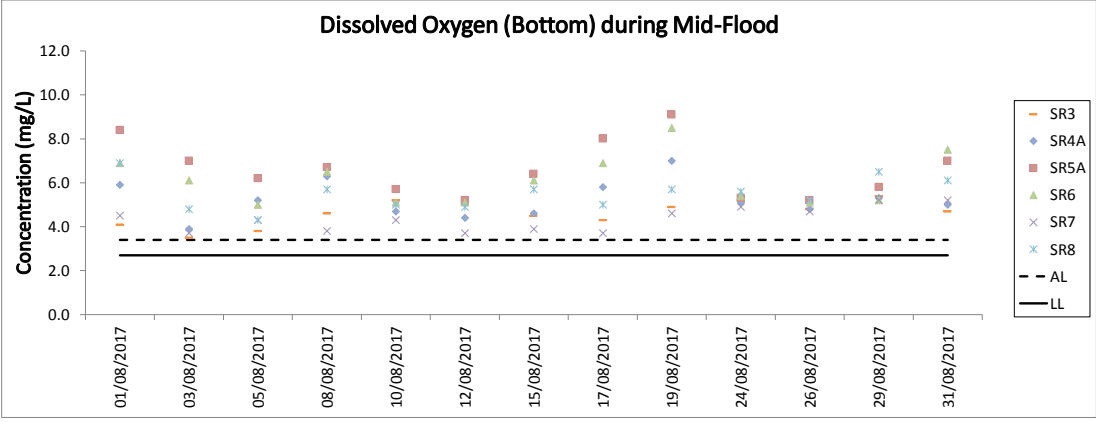
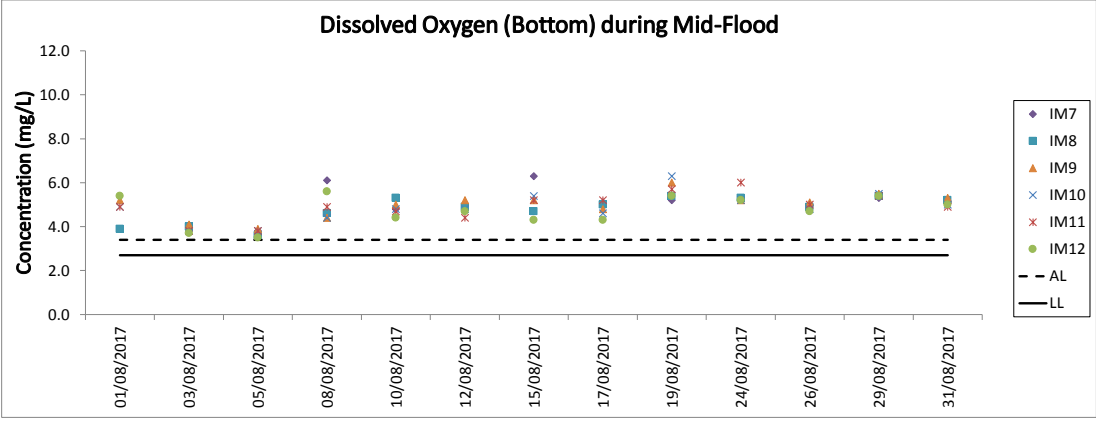
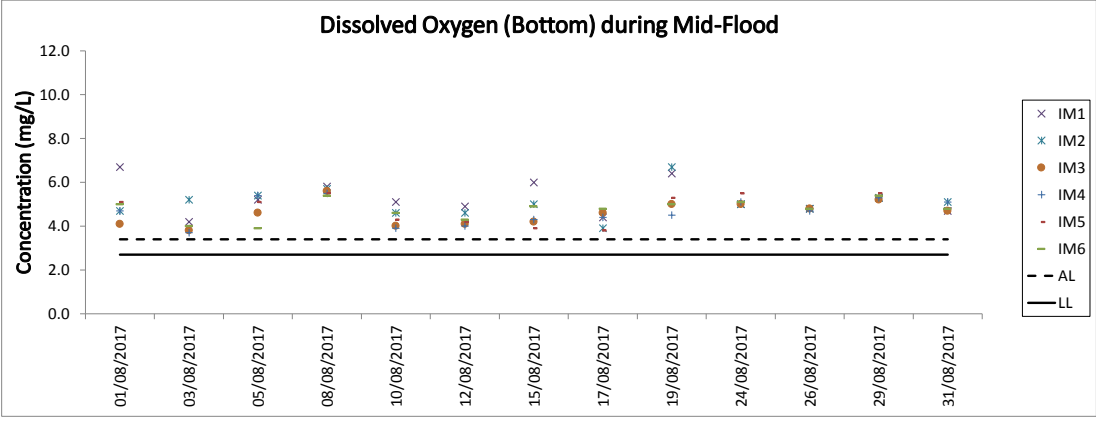
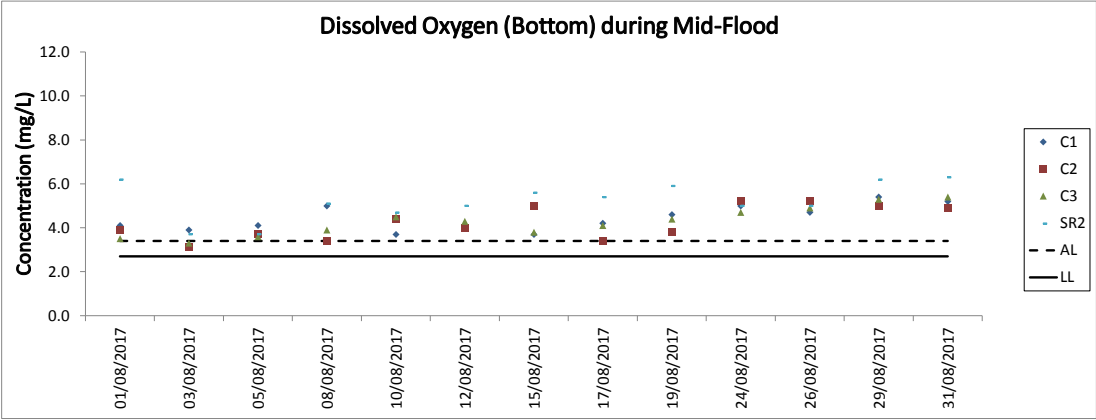
Water Quality Monitoring Results on 31 August 17 during Mid-Flood Tide

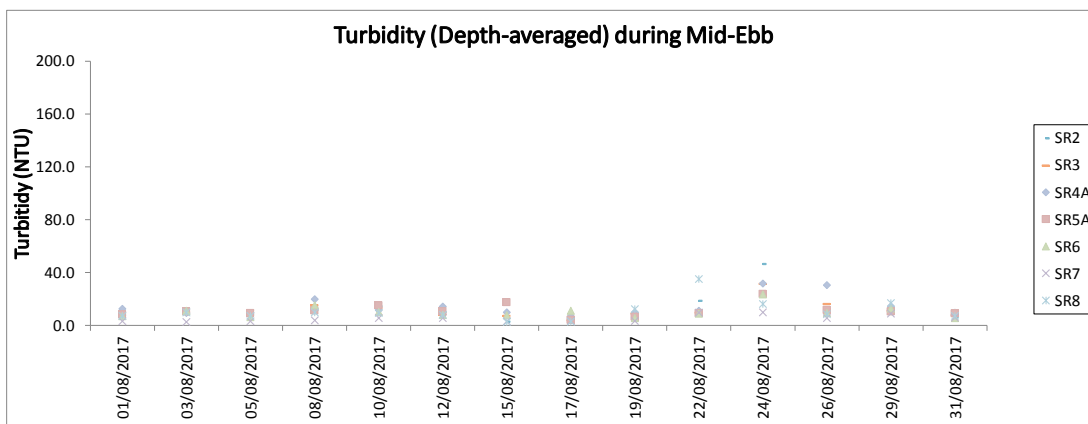
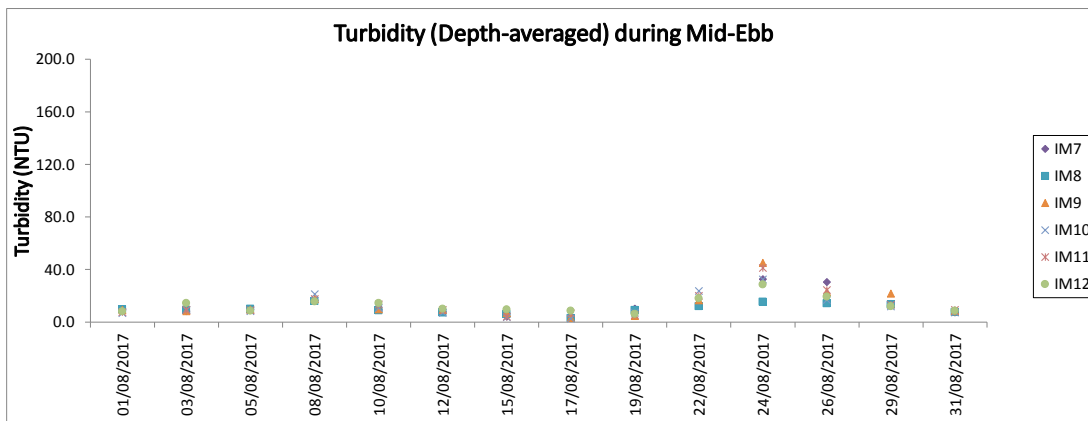
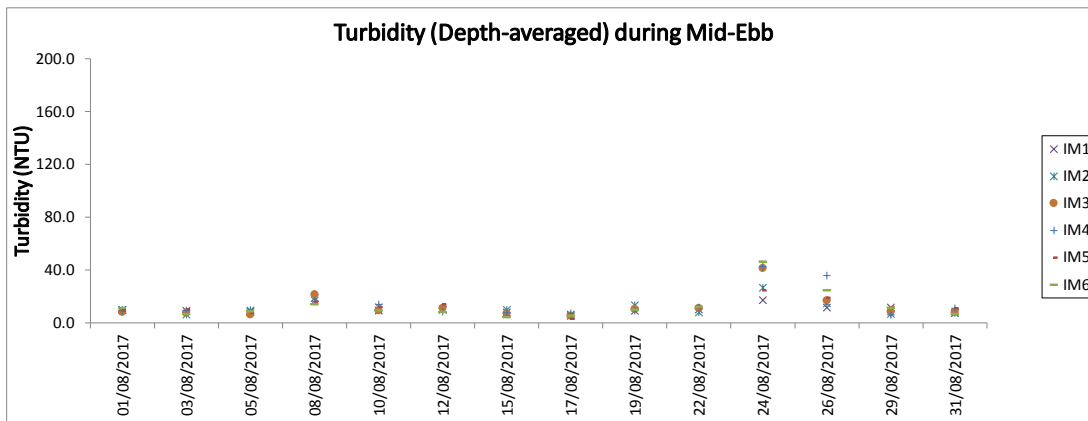
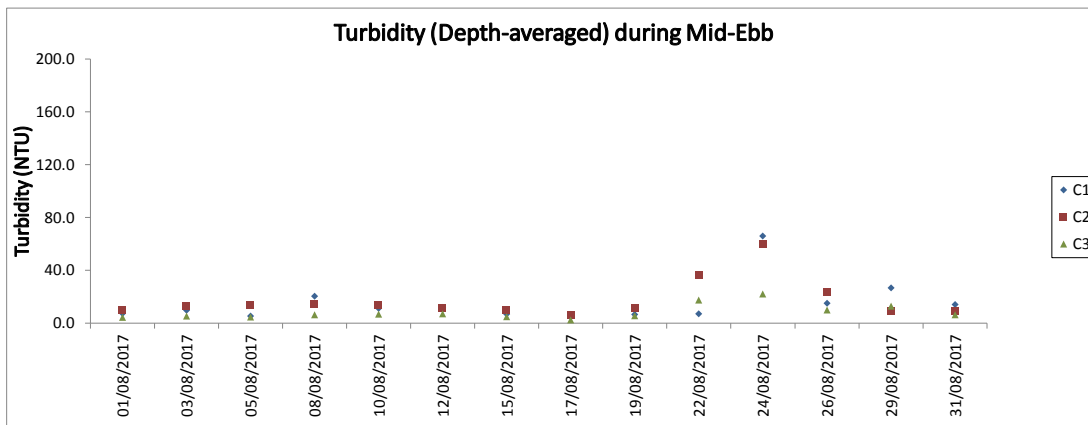
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	15:34	6.9	Surface	1.0	0.1	281	29.6	7.5	7.5	10.6	10.6	85.6	85.6	6.2	11.6	13	87	89	89	822086	808803	<0.2	<0.2	3.7	3.6					
						1.0	0.1	302	29.6	7.5	7.5	10.6	10.6	85.6	85.6	6.2	11.6	12	86	89	89	89	89	89	<0.2	<0.2	3.3	3.4				
					Middle	3.5	0.1	331	27.7	7.5	7.5	18.8	18.8	73.5	73.5	5.2	10.5	12	10.5	11	89	89	89	89	89	<0.2	<0.2	3.4	3.4			
						3.5	0.1	352	27.7	7.5	7.5	18.8	18.8	73.5	73.5	5.2	10.5	12	10.5	11	89	89	89	89	89	<0.2	<0.2	3.7	3.7			
					Bottom	5.9	0.3	289	27.0	7.6	7.6	26.9	26.9	76.8	76.8	5.3	10.6	12	10.6	12	91	91	91	91	91	<0.2	<0.2	3.4	3.4			
						5.9	0.3	304	27.0	7.6	7.6	26.9	26.9	76.8	76.8	5.3	10.6	12	10.6	12	91	91	91	91	91	<0.2	<0.2	3.8	3.8			
IM10	Cloudy	Moderate	15:43	6.0	Surface	1.0	0.1	66	29.5	7.5	7.5	11.4	11.4	82.6	82.6	5.9	11.1	13	86	89	89	822254	809834	<0.2	<0.2	3.8	3.5					
						1.0	0.1	71	29.5	7.5	7.5	11.4	11.4	82.6	82.6	5.9	11.1	12	87	89	89	89	89	89	<0.2	<0.2	3.7	3.4				
					Middle	3.0	0.4	321	28.4	7.5	7.5	13.9	13.9	75.5	75.5	5.4	9.6	12	9.6	12	89	89	89	89	89	<0.2	<0.2	3.3	3.3			
						3.0	0.4	343	28.4	7.5	7.5	13.9	13.9	75.5	75.5	5.4	9.6	12	9.6	12	89	89	89	89	89	<0.2	<0.2	3.3	3.3			
					Bottom	5.0	0.4	320	26.8	7.6	7.6	25.6	25.6	72.0	72.0	5.0	9.1	12	9.1	12	91	91	91	91	91	<0.2	<0.2	3.3	3.3			
						5.0	0.4	337	26.8	7.6	7.6	25.6	25.6	72.0	72.0	5.0	9.1	12	9.1	12	92	92	92	92	92	<0.2	<0.2	3.4	3.4			
IM11	Cloudy	Moderate	15:55	8.4	Surface	1.0	0.1	315	29.2	7.7	7.7	10.7	10.7	82.3	82.3	6.0	9.7	12	87	89	90	821492	810528	<0.2	<0.2	3.5	3.2					
						1.0	0.1	342	29.2	7.7	7.7	10.7	10.7	82.3	82.3	6.0	9.7	13	87	89	89	89	89	89	<0.2	<0.2	3.1	3.1				
					Middle	4.2	0.5	285	27.7	7.6	7.6	20.3	20.3	77.6	77.6	5.5	7.6	13	7.6	12	89	89	89	89	89	<0.2	<0.2	3.2	3.2			
						4.2	0.5	305	27.7	7.6	7.6	20.3	20.3	77.6	77.6	5.5	7.6	12	7.6	12	89	89	89	89	89	<0.2	<0.2	2.8	2.8			
					Bottom	7.4	0.2	319	26.5	7.6	7.6	27.2	27.2	71.1	71.1	4.9	9.9	12	9.9	12	92	92	92	92	92	<0.2	<0.2	3.3	3.3			
						7.4	0.2	333	26.5	7.6	7.6	27.2	27.2	71.1	71.1	4.9	9.9	12	9.9	12	93	93	93	93	93	<0.2	<0.2	3.4	3.4			
IM12	Cloudy	Moderate	16:03	8.4	Surface	1.0	0.2	266	28.9	7.6	7.6	12.1	12.1	84.0	84.0	6.1	9.4	8	88	91	91	821173	811514	<0.2	<0.2	3.0	3.0					
						1.0	0.2	270	28.9	7.6	7.6	12.1	12.1	84.0	84.0	6.1	9.4	8	89	91	91	91	91	91	<0.2	<0.2	3.0	3.0				
					Middle	4.2	0.6	269	27.1	7.6	7.6	23.7	23.7	72.2	72.2	5.0	7.5	7	7.5	8	90	91	91	91	91	<0.2	<0.2	2.9	2.9			
						4.2	0.6	284	27.1	7.6	7.6	23.7	23.7	72.2	72.2	5.0	7.5	7	7.5	8	91	91	91	91	91	<0.2	<0.2	2.9	2.9			
					Bottom	7.4	0.1	282	26.5	7.6	7.6	29.0	29.0	73.3	73.3	5.0	10.1	7	10.1	7	94	94	94	94	94	<0.2	<0.2	3.2	3.2			
						7.4	0.1	290	26.5	7.6	7.6	29.0	29.0	73.3	73.3	5.0	10.1	8	10.1	8	94	94	94	94	94	<0.2	<0.2	3.2	3.2			
SR2	Cloudy	Moderate	16:32	4.4	Surface	1.0	0.1	302	28.9	7.7	7.7	12.0	12.0	91.6	91.6	6.6	7.7	7	89	90	90	821452	814154	<0.2	<0.2	2.8	2.9					
						1.0	0.2	331	28.9	7.7	7.7	12.0	12.0	91.6	91.6	6.6	7.7	8	88	90	90	90	90	90	<0.2	<0.2	3.0	3.0				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.4	0.4	314	27.7	7.6	7.6	21.4	21.4	90.1	90.1	6.3	6.9	10	6.9	10	91	91	91	91	91	91	<0.2	<0.2	2.7	2.7		
						3.4	0.4	334	27.7	7.6	7.6	21.4	21.4	90.1	90.1	6.3	6.9	10	6.9	10	91	91	91	91	91	91	<0.2	<0.2	3.1	3.1		
SR3	Cloudy	Moderate	15:22	8.4	Surface	1.0	0.2	164	28.9	7.5	7.5	11.5	11.5	77.8	77.8	5.6	11.6	10	-	-	-	-	-	-	-	-	-	-	-			
						1.0	0.3	170	28.9	7.5	7.5	11.5	11.5	77.8	77.8	5.6	11.6	10	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	4.2	0.1	260	27.7	7.5	7.5	21.2	21.2	70.0	70.0	4.9	8.8	9	8.8	9	-	-	-	-	-	-	-	-	-	-	-	
						4.2	0.1	266	27.7	7.5	7.5	21.2	21.2	70.0	70.0	4.9	8.8	9	8.8	9	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.4	0.1	63	26.4	7.6	7.6	28.0	28.0	68.6	68.6	4.7	7.6	12	7.6	10	-	-	-	-	-	-	-	-	-	-	-	
						7.4	0.1	64	26.4	7.6	7.6	28.0	28.0	68.6	68.6	4.7	7.6	10	7.6	10	-	-	-	-	-	-	-	-	-	-	-	
SR4A	Cloudy	Moderate	16:32	9.3	Surface	1.0	0.1	64	29.2	7.7	7.7	10.6	10.7	96.2	96.0	7.0	17.5	15	-	-	-	-	-	-	-	-	-	-				
						1.0	0.1	68	29.2	7.7	7.7	10.7	10.7	95.8	95.8	6.9	17.6	15	-	-	-	-	-	-	-	-	-	-	-			
					Middle	4.7	0.2	251	28.4	7.7	7.7	20.1	20.1	85.4	85.0	5.9	13.3	18	13.3	14	-	-	-	-	-	-	-	-	-			
						4.7	0.2	270	28.4	7.7	7.7	20.1	20.1	84.5	84.5	5.9	12.9	16	12.9	14	-	-	-	-	-	-	-	-	-			
					Bottom	8.3	0.1	13	26.3	7.6	7.6	28.8	28.8	71.0	71.6	4.9	18.1	10	18.1	9	-	-	-	-	-	-	-	-	-			
						8.3	0.1	13	26.3	7.6	7.6	28.8	28.8	72.2	72.2	5.0	18.0	9	18.0	9	-	-	-	-	-	-	-	-	-			
SR5A	Cloudy	Moderate	16:49	4.7	Surface	1.0	0.1	302	29.9	8.1	8.1	16.3	16.3	148.4	148.2	10.3	7.5	9	-	-	-	-	-	-	-	-	-					
						1.0	0.1	329	29.9	8.1	8.1	16.3	16.3	147.9	147.9	10.2	7.5	9	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.7	0.2	285	28.5	7.7	7.7	20.0	20.0	99.5	99.8	6.9	7.4	8	7.4	9	-	-	-	-	-	-	-	-				
						3.7	0.2	304	28.5	7.7	7.7	20.0	20.0	100.0	100.0	7.0	7.5	8	7.5	9	-	-	-	-	-	-	-	-				
SR6	Cloudy	Moderate	17:15	4.5	Surface	1.0	0.1	117	29.5	7.9	7.9	14.8	14.8	107.6	107.6	7.6	9.5	8	-	-	-	-	-	-	-	-						
						1.0	0.1	128	29.5	7.9	7.9	14.8	14.8	107.5	107.6	7.6	9.4	9	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.5	0.0	92	29.7	7.9	7.9	14.3	14.3	106.9	106.9	7.5	8.5	9	8.5	9	-	-	-	-	-	-	-	-				
						3.5	0.0	92	29.7	7.9	7.9																					



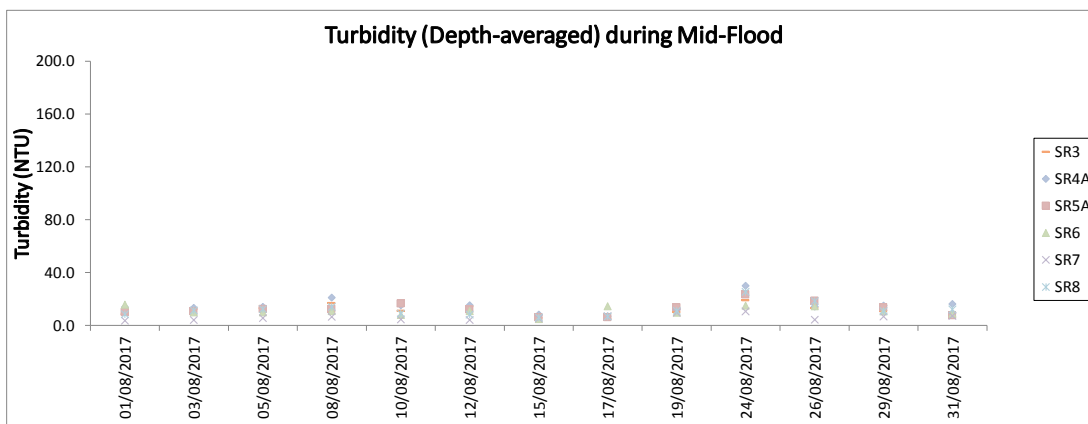
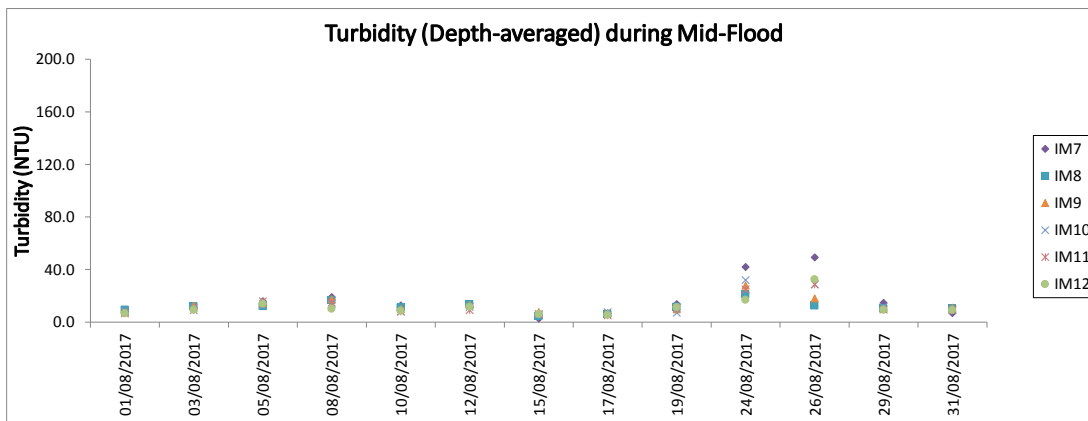
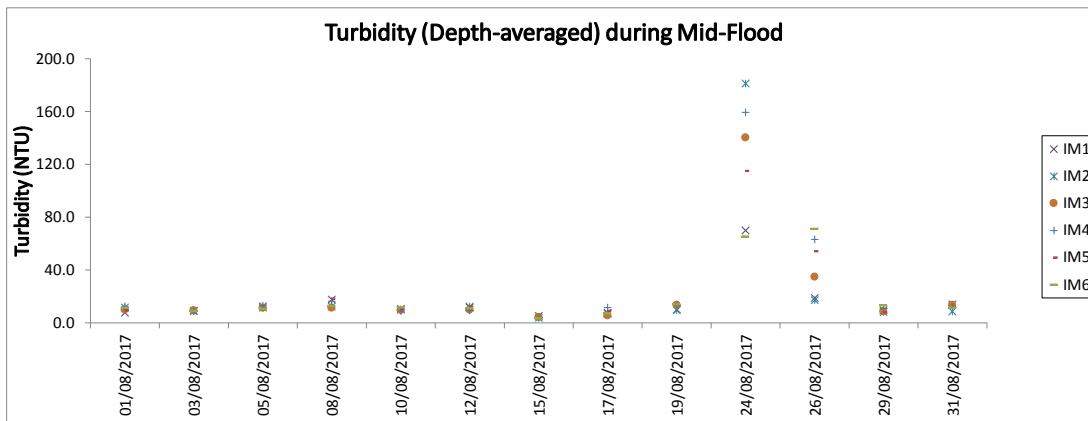
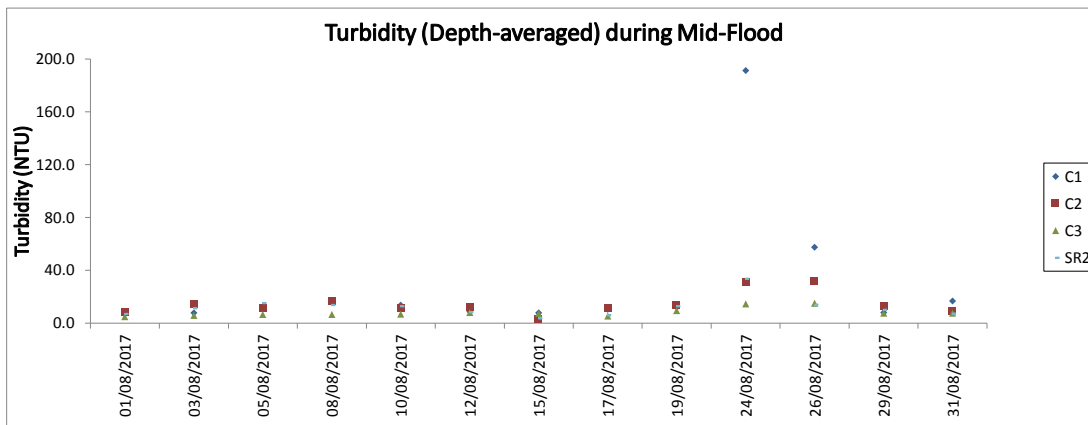




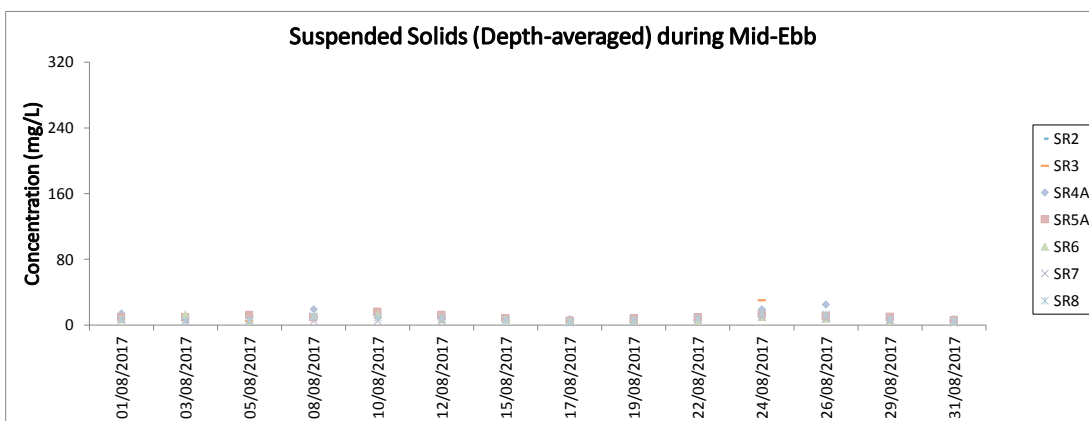
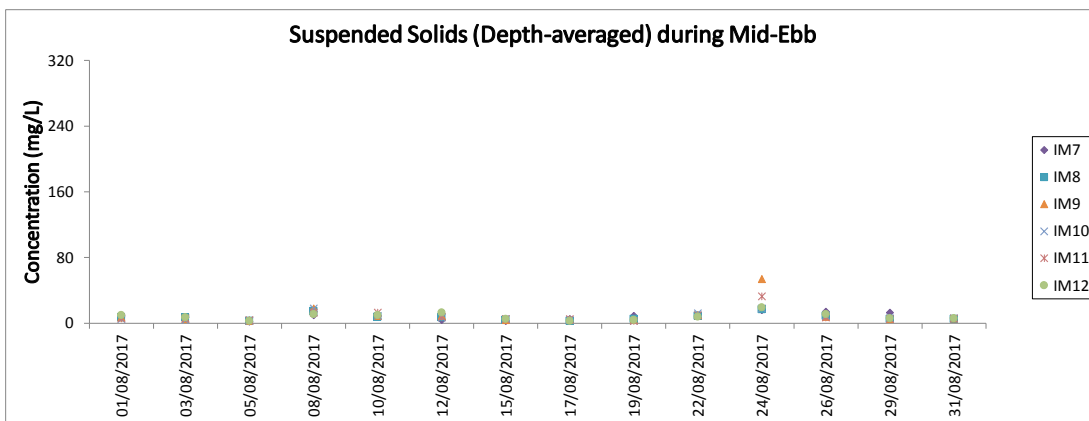
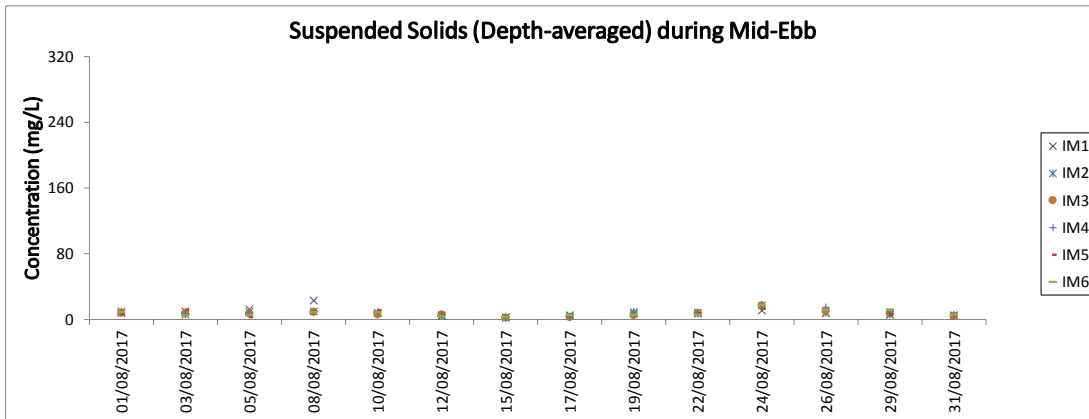
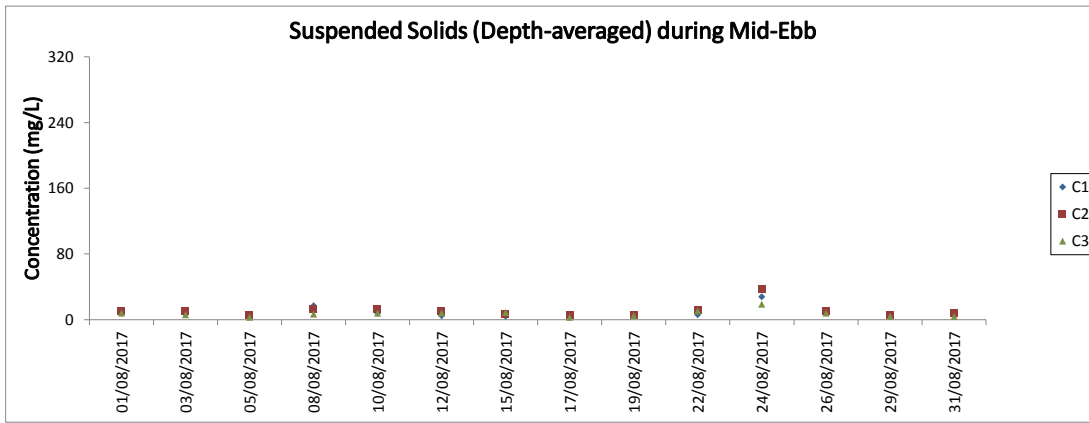




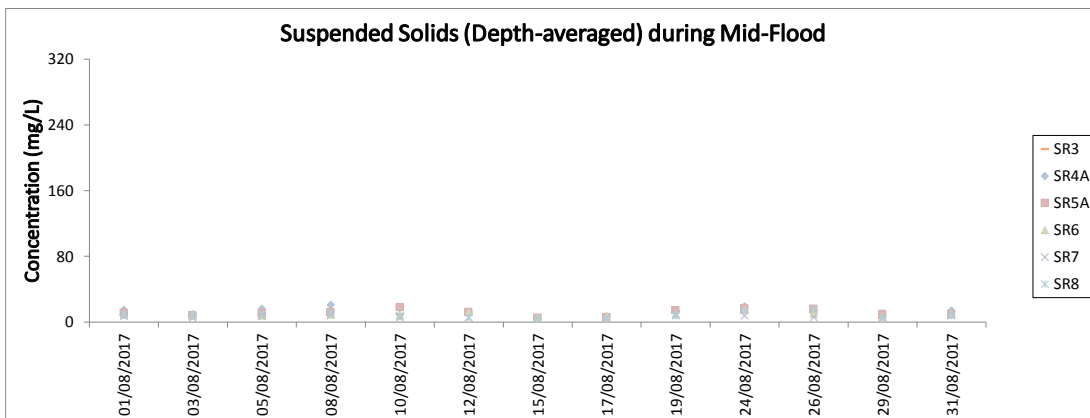
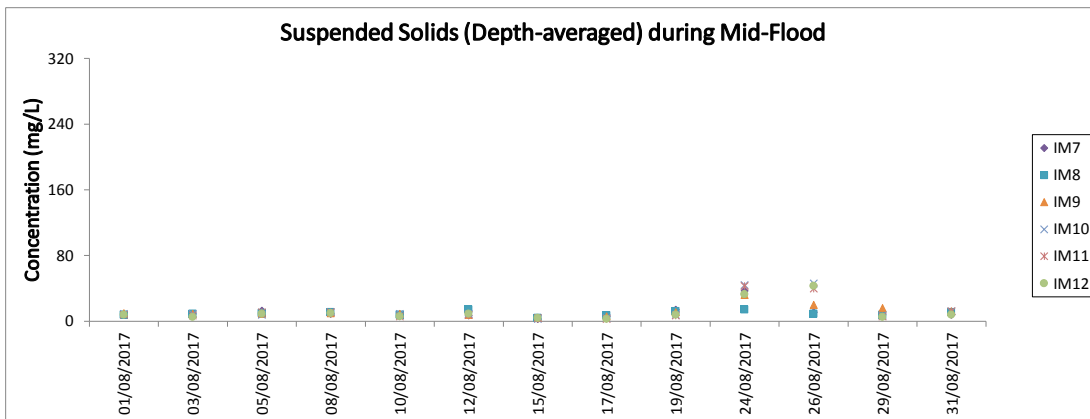
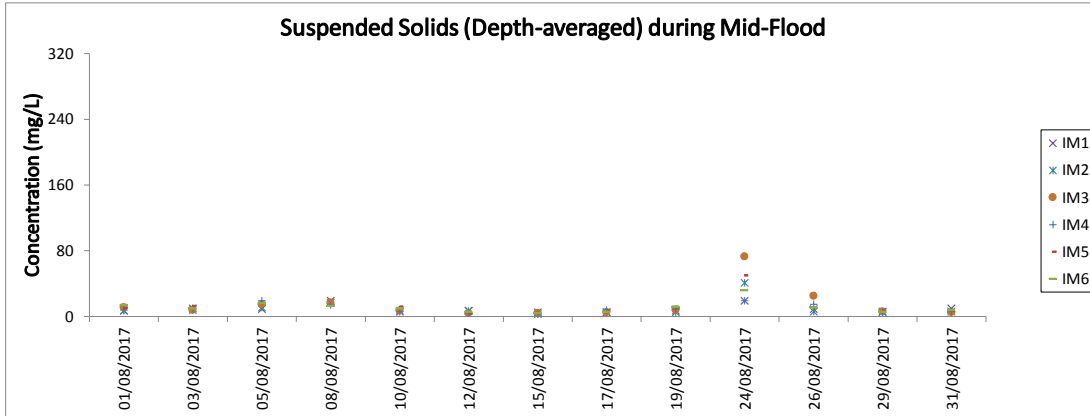
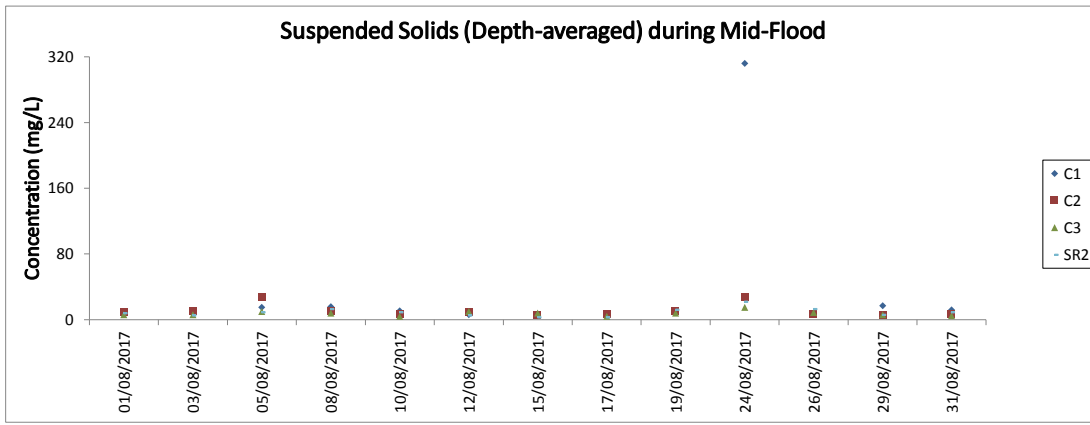
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



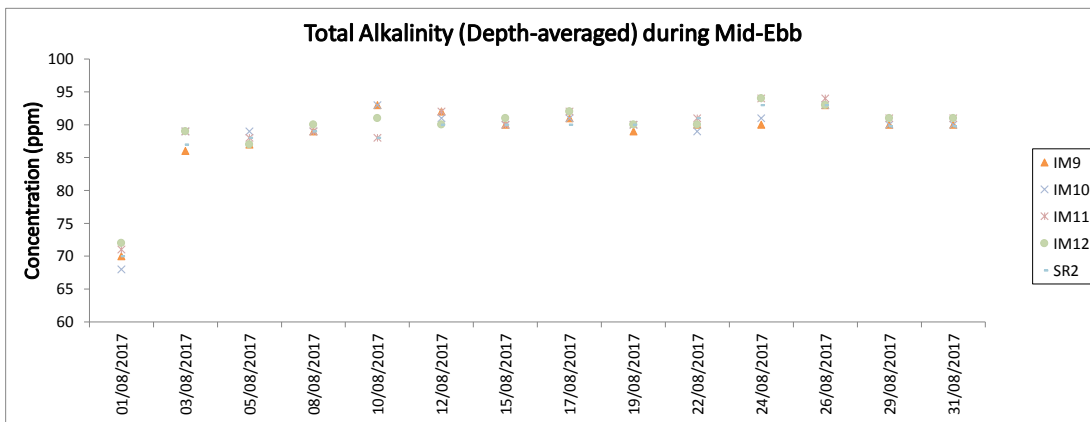
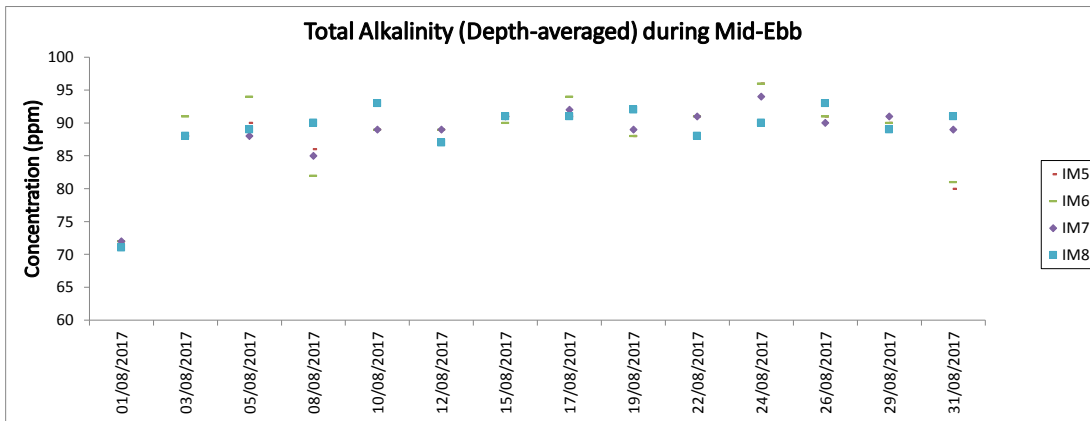
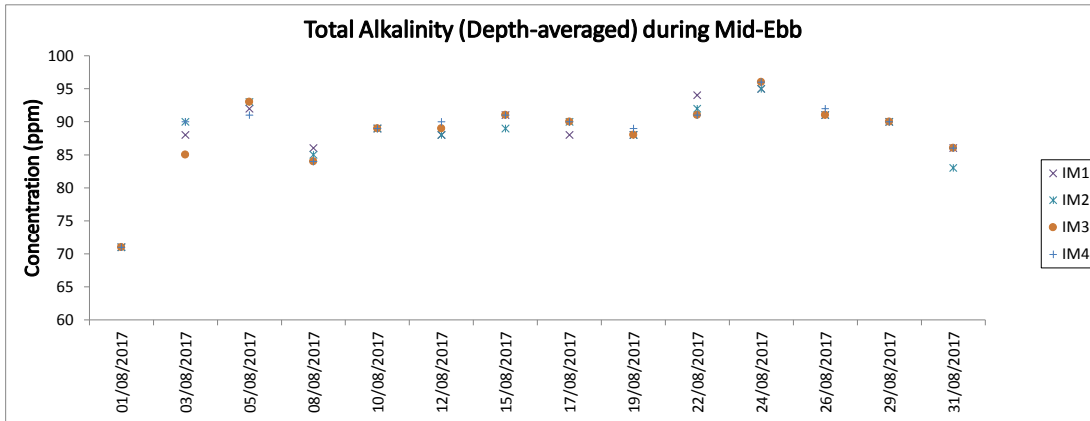
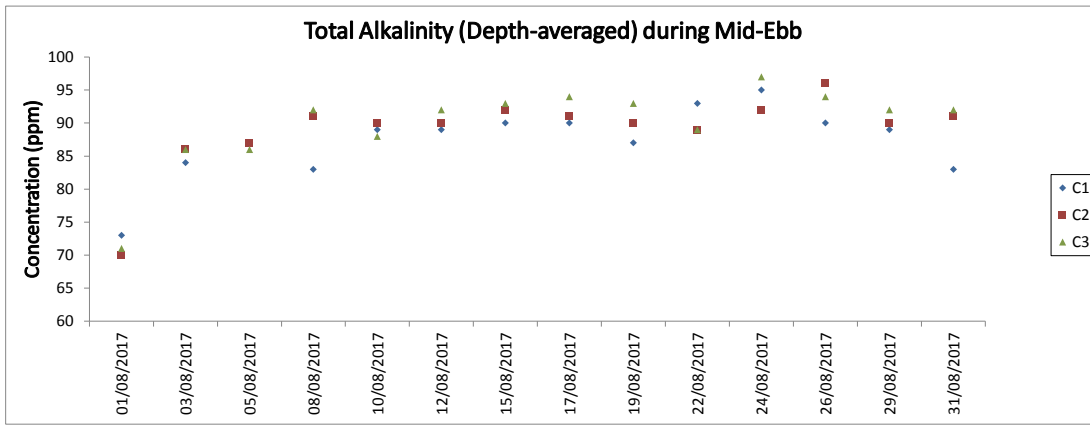
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



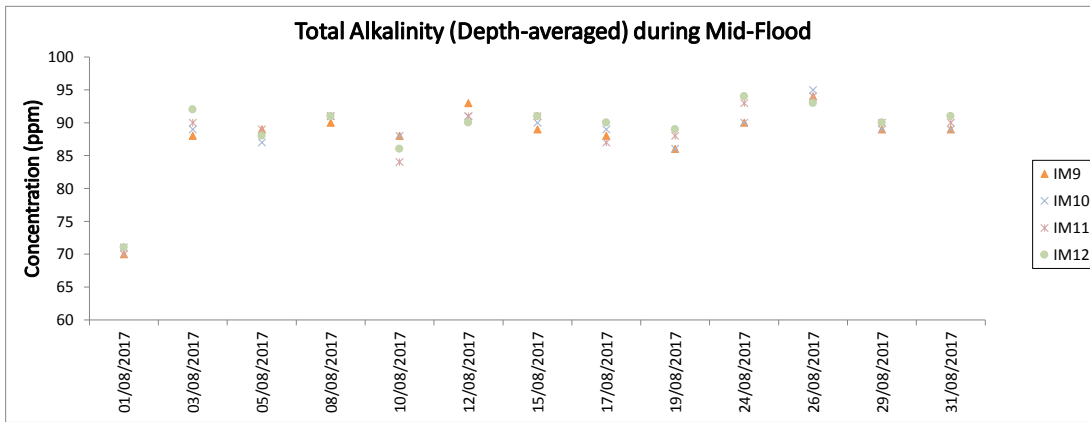
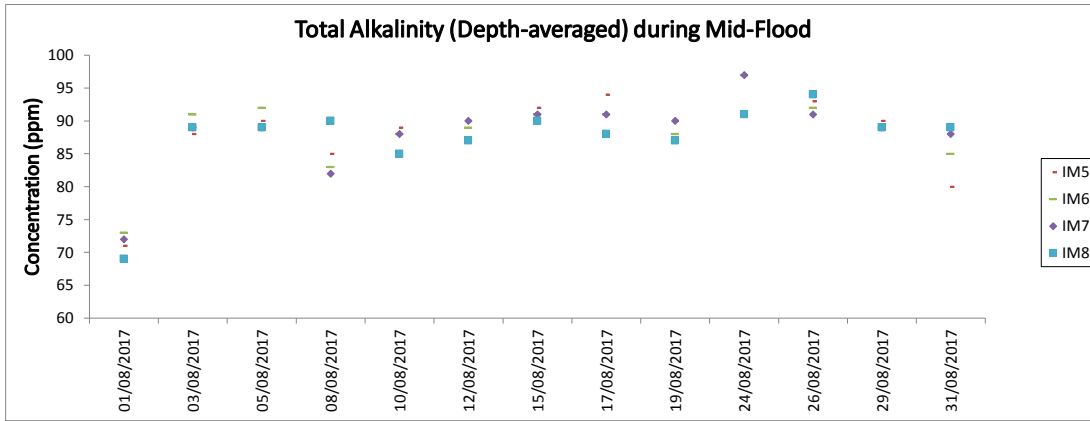
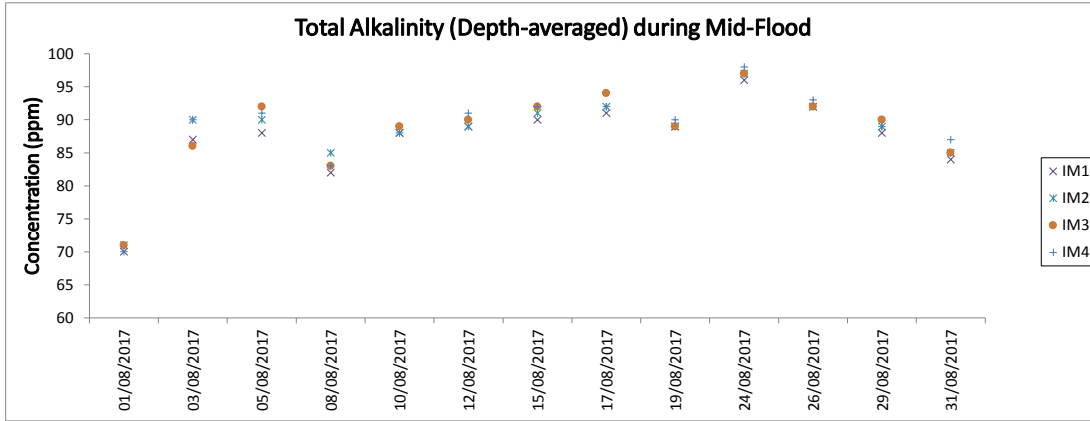
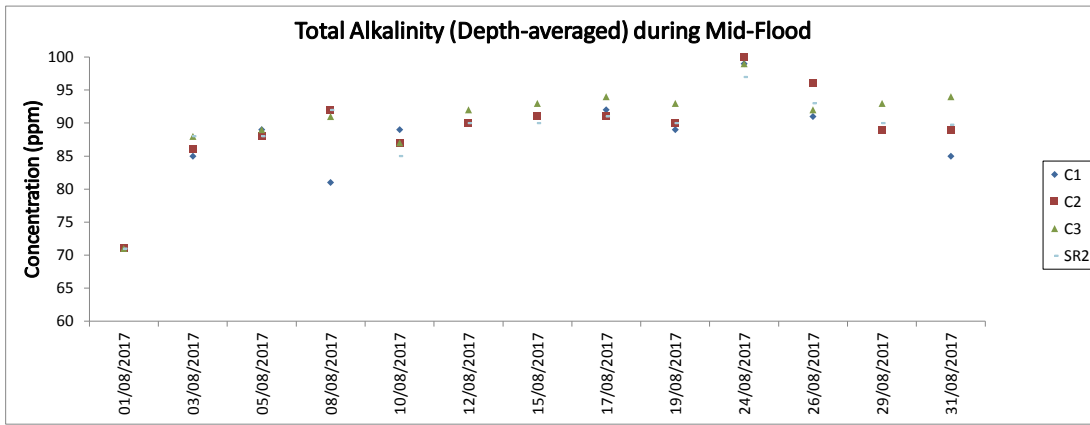
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



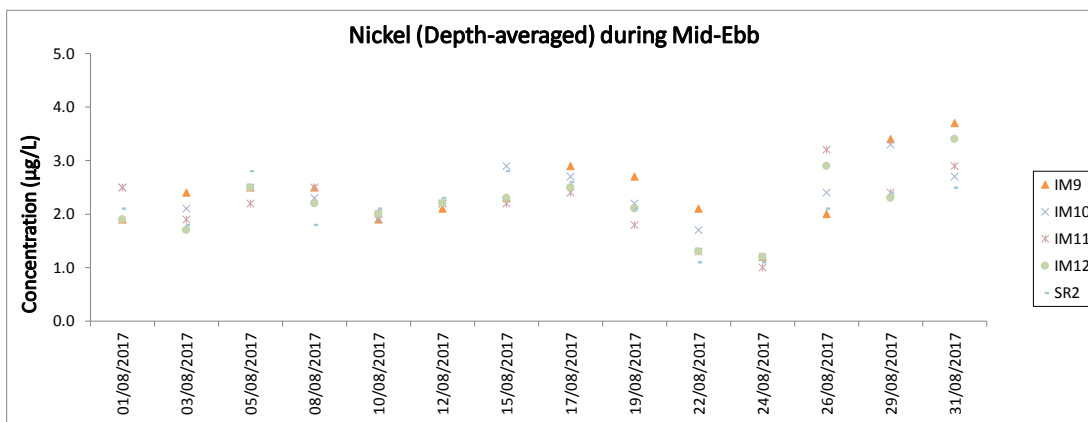
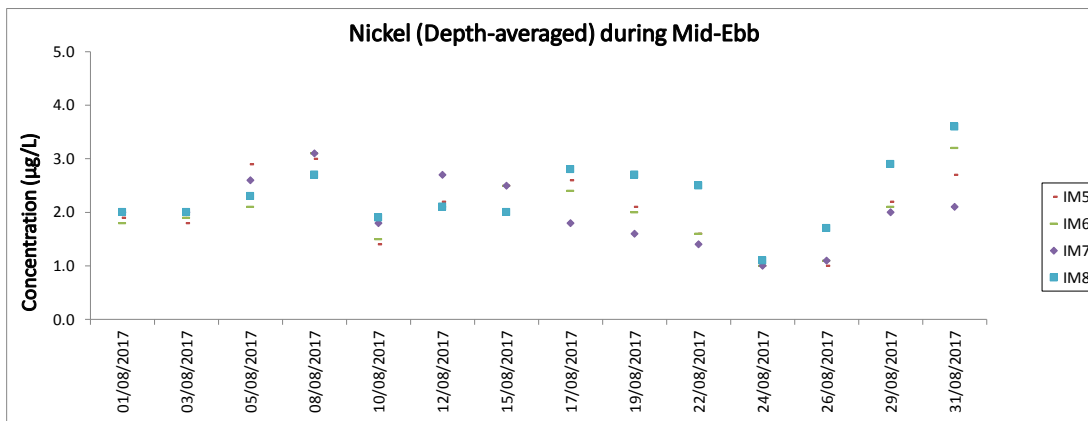
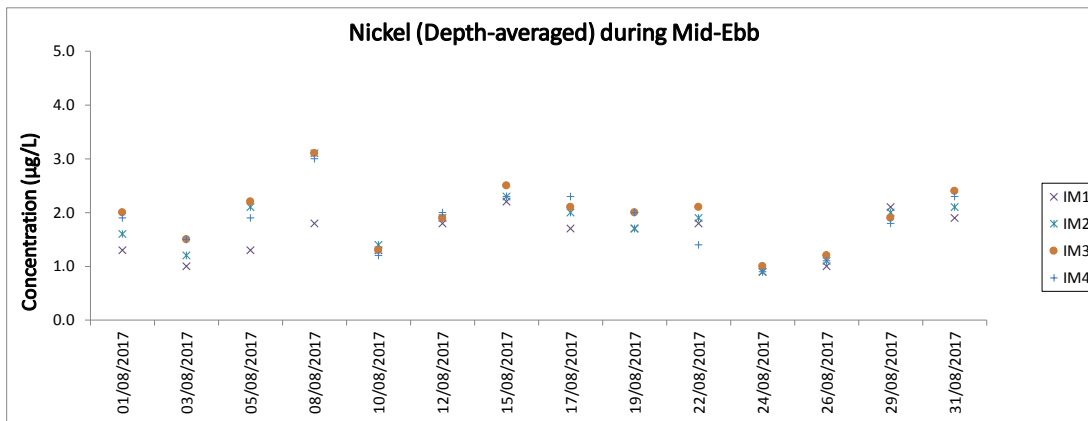
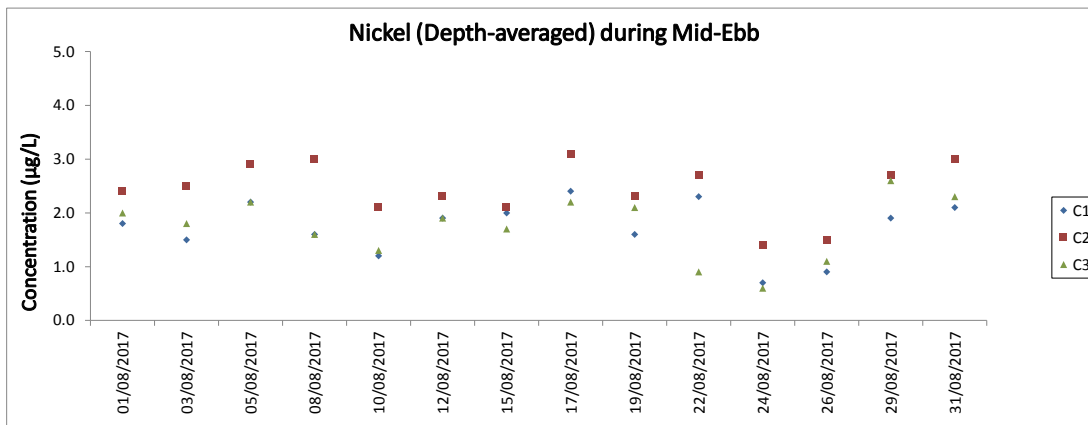
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



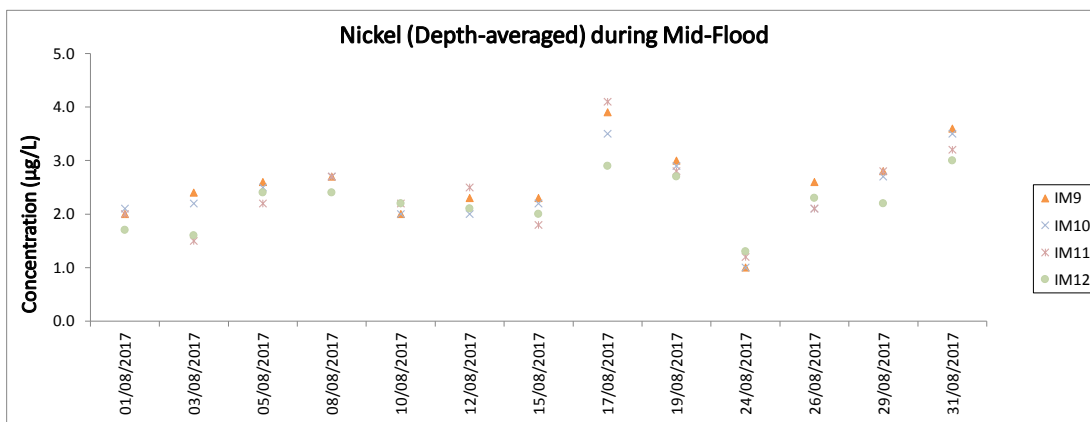
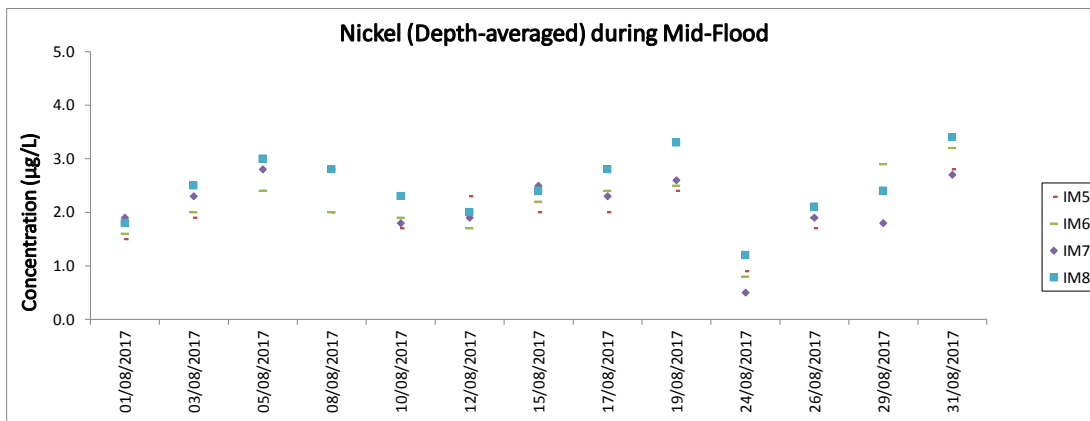
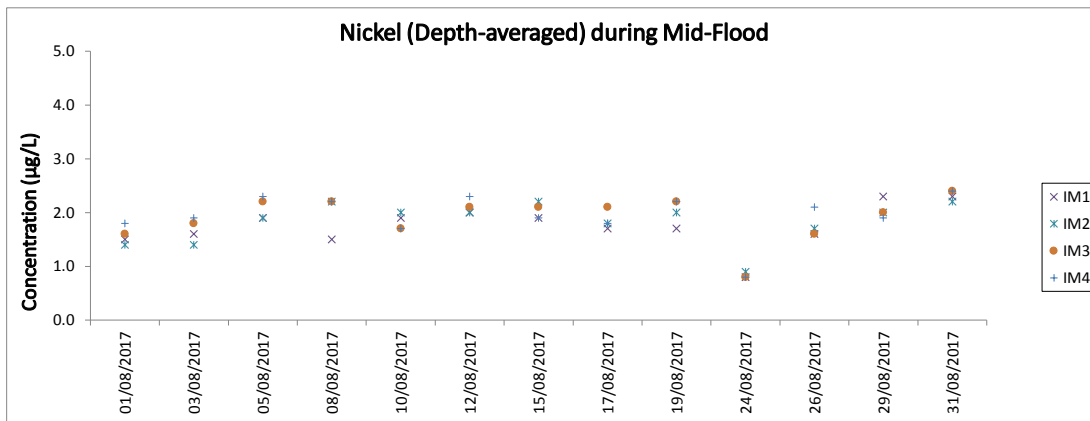
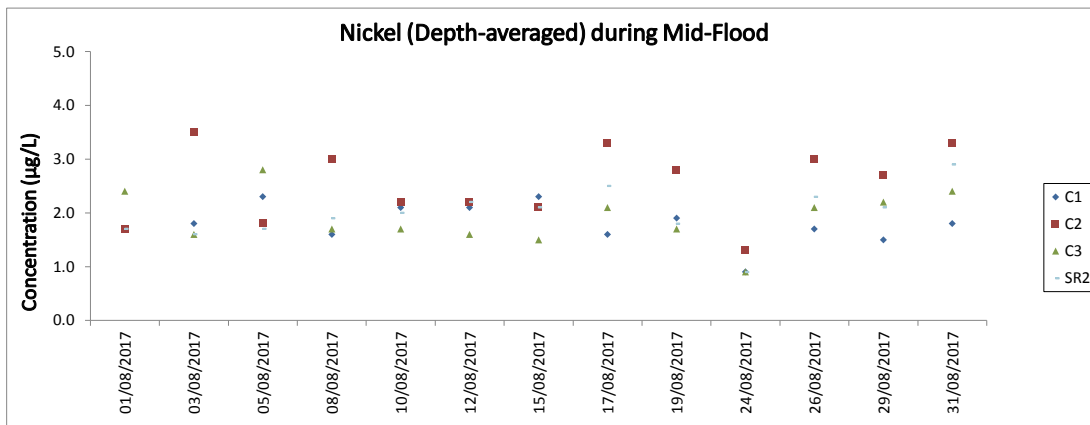
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



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



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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
07-Jun-17	SWL	2	33.230	SUMMER	32166	3RS ET
07-Jun-17	SWL	3	27.200	SUMMER	32166	3RS ET
07-Jun-17	SWL	4	1.900	SUMMER	32166	3RS ET
08-Jun-17	NWL	2	29.074	SUMMER	32166	3RS ET
08-Jun-17	NWL	3	26.566	SUMMER	32166	3RS ET
08-Jun-17	NWL	4	18.660	SUMMER	32166	3RS ET
08-Jun-17	NWL	5	1.100	SUMMER	32166	3RS ET
09-Jun-17	AW	1	1.040	SUMMER	32166	3RS ET
09-Jun-17	AW	2	3.900	SUMMER	32166	3RS ET
09-Jun-17	WL	1	2.850	SUMMER	32166	3RS ET
09-Jun-17	WL	2	5.782	SUMMER	32166	3RS ET
09-Jun-17	WL	3	13.859	SUMMER	32166	3RS ET
09-Jun-17	WL	4	8.589	SUMMER	32166	3RS ET
09-Jun-17	WL	5	0.920	SUMMER	32166	3RS ET
09-Jun-17	SWL	2	0.521	SUMMER	32166	3RS ET
09-Jun-17	SWL	3	1.399	SUMMER	32166	3RS ET
09-Jun-17	SWL	4	4.060	SUMMER	32166	3RS ET
12-Jun-17	NEL	2	1.100	SUMMER	32166	3RS ET
12-Jun-17	NEL	3	28.890	SUMMER	32166	3RS ET
12-Jun-17	NEL	4	7.910	SUMMER	32166	3RS ET
15-Jun-17	NEL	1	4.600	SUMMER	32166	3RS ET
15-Jun-17	NEL	2	37.200	SUMMER	32166	3RS ET
22-Jun-17	SWL	2	25.837	SUMMER	32166	3RS ET
22-Jun-17	SWL	3	29.935	SUMMER	32166	3RS ET
22-Jun-17	SWL	4	2.840	SUMMER	32166	3RS ET
23-Jun-17	NWL	2	37.550	SUMMER	32166	3RS ET
23-Jun-17	NWL	3	31.360	SUMMER	32166	3RS ET
23-Jun-17	NWL	4	4.790	SUMMER	32166	3RS ET
23-Jun-17	NEL	2	4.930	SUMMER	32166	3RS ET
23-Jun-17	NEL	3	2.930	SUMMER	32166	3RS ET
28-Jun-17	AW	2	4.750	SUMMER	32166	3RS ET
28-Jun-17	WL	2	4.697	SUMMER	32166	3RS ET
28-Jun-17	WL	3	16.707	SUMMER	32166	3RS ET
28-Jun-17	WL	4	8.280	SUMMER	32166	3RS ET
28-Jun-17	SWL	3	4.960	SUMMER	32166	3RS ET
11-Jul-17	AW	2	4.860	SUMMER	32166	3RS ET
11-Jul-17	WL	2	12.725	SUMMER	32166	3RS ET
11-Jul-17	WL	3	13.429	SUMMER	32166	3RS ET
11-Jul-17	WL	4	2.400	SUMMER	32166	3RS ET
11-Jul-17	SWL	2	1.616	SUMMER	32166	3RS ET
11-Jul-17	SWL	3	3.150	SUMMER	32166	3RS ET
12-Jul-17	NWL	1	16.730	SUMMER	32166	3RS ET
12-Jul-17	NWL	2	27.170	SUMMER	32166	3RS ET
12-Jul-17	NWL	3	30.520	SUMMER	32166	3RS ET
12-Jul-17	NWL	4	0.700	SUMMER	32166	3RS ET
13-Jul-17	NEL	2	4.253	SUMMER	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
13-Jul-17	NEL	3	27.477	SUMMER	32166	3RS ET
13-Jul-17	NEL	4	14.770	SUMMER	32166	3RS ET
14-Jul-17	NWL	2	29.960	SUMMER	32166	3RS ET
14-Jul-17	NWL	3	33.840	SUMMER	32166	3RS ET
14-Jul-17	NWL	4	9.330	SUMMER	32166	3RS ET
20-Jul-17	SWL	2	9.500	SUMMER	32166	3RS ET
20-Jul-17	SWL	3	39.350	SUMMER	32166	3RS ET
20-Jul-17	SWL	4	12.780	SUMMER	32166	3RS ET
20-Jul-17	SWL	5	1.030	SUMMER	32166	3RS ET
21-Jul-17	AW	2	3.510	SUMMER	32166	3RS ET
21-Jul-17	AW	3	1.320	SUMMER	32166	3RS ET
21-Jul-17	WL	2	13.854	SUMMER	32166	3RS ET
21-Jul-17	WL	3	10.040	SUMMER	32166	3RS ET
21-Jul-17	WL	4	7.050	SUMMER	32166	3RS ET
21-Jul-17	SWL	3	1.970	SUMMER	32166	3RS ET
21-Jul-17	SWL	4	4.660	SUMMER	32166	3RS ET
25-Jul-17	NEL	2	31.060	SUMMER	32166	3RS ET
25-Jul-17	NEL	3	15.740	SUMMER	32166	3RS ET
26-Jul-17	SWL	2	41.124	SUMMER	32166	3RS ET
26-Jul-17	SWL	3	11.530	SUMMER	32166	3RS ET
26-Jul-17	SWL	4	9.430	SUMMER	32166	3RS ET
04-Aug-17	NWL	1	11.000	SUMMER	32166	3RS ET
04-Aug-17	NWL	2	20.300	SUMMER	32166	3RS ET
04-Aug-17	NWL	3	42.293	SUMMER	32166	3RS ET
04-Aug-17	NWL	4	0.300	SUMMER	32166	3RS ET
08-Aug-17	NWL	3	16.760	SUMMER	32166	3RS ET
08-Aug-17	NWL	4	57.140	SUMMER	32166	3RS ET
08-Aug-17	NWL	5	0.800	SUMMER	32166	3RS ET
09-Aug-17	NEL	2	29.120	SUMMER	32166	3RS ET
09-Aug-17	NEL	3	11.010	SUMMER	32166	3RS ET
09-Aug-17	NEL	4	4.470	SUMMER	32166	3RS ET
09-Aug-17	NEL	5	2.600	SUMMER	32166	3RS ET
14-Aug-17	AW	3	1.820	SUMMER	32166	3RS ET
14-Aug-17	AW	4	2.840	SUMMER	32166	3RS ET
14-Aug-17	WL	3	12.390	SUMMER	32166	3RS ET
14-Aug-17	WL	4	20.110	SUMMER	32166	3RS ET
14-Aug-17	SWL	3	12.400	SUMMER	32166	3RS ET
15-Aug-17	SWL	2	24.510	SUMMER	32166	3RS ET
15-Aug-17	SWL	3	29.836	SUMMER	32166	3RS ET
15-Aug-17	SWL	4	0.740	SUMMER	32166	3RS ET
21-Aug-17	SWL	1	2.600	SUMMER	32166	3RS ET
21-Aug-17	SWL	2	48.228	SUMMER	32166	3RS ET
21-Aug-17	SWL	3	7.160	SUMMER	32166	3RS ET
21-Aug-17	SWL	4	1.530	SUMMER	32166	3RS ET
22-Aug-17	AW	0	1.880	SUMMER	32166	3RS ET
22-Aug-17	AW	1	2.410	SUMMER	32166	3RS ET
22-Aug-17	WL	1	9.997	SUMMER	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
22-Aug-17	WL	2	9.174	SUMMER	32166	3RS ET
22-Aug-17	WL	3	12.400	SUMMER	32166	3RS ET
22-Aug-17	WL	4	0.900	SUMMER	32166	3RS ET
22-Aug-17	SWL	1	1.940	SUMMER	32166	3RS ET
22-Aug-17	SWL	2	0.252	SUMMER	32166	3RS ET
22-Aug-17	SWL	3	3.154	SUMMER	32166	3RS ET
25-Aug-17	NEL	1	1.900	SUMMER	32166	3RS ET
25-Aug-17	NEL	2	34.960	SUMMER	32166	3RS ET
25-Aug-17	NEL	3	9.940	SUMMER	32166	3RS ET

Notes:

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

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
07-Jun-17	1	1224	CWD	1	SWL	2	N/A	OFF	3RS ET	22.1766	113.9070	SUMMER	NONE
07-Jun-17	2	1249	CWD	6	SWL	2	125	ON	3RS ET	22.2030	113.9079	SUMMER	NONE
07-Jun-17	3	1507	CWD	2	SWL	2	116	ON	3RS ET	22.2007	113.8684	SUMMER	NONE
08-Jun-17	1	1202	CWD	2	NWL	3	362	ON	3RS ET	22.3993	113.8889	SUMMER	NONE
09-Jun-17	1	1106	CWD	5	WL	2	846	ON	3RS ET	22.2413	113.8450	SUMMER	NONE
09-Jun-17	2	1207	CWD	2	WL	4	138	ON	3RS ET	22.2311	113.8382	SUMMER	NONE
09-Jun-17	3	1240	CWD	3	WL	3	44	ON	3RS ET	22.2120	113.8372	SUMMER	NONE
09-Jun-17	4	1358	CWD	5	SWL	3	6	ON	3RS ET	22.1915	113.8592	SUMMER	NONE
22-Jun-17	1	1026	CWD	9	SWL	2	620	ON	3RS ET	22.2094	113.9364	SUMMER	NONE
22-Jun-17	2	1200	CWD	3	SWL	3	11	ON	3RS ET	22.2054	113.9266	SUMMER	NONE
22-Jun-17	3	1212	CWD	1	SWL	3	67	ON	3RS ET	22.2055	113.9258	SUMMER	NONE
22-Jun-17	4	1222	CWD	1	SWL	3	25	ON	3RS ET	22.2053	113.9191	SUMMER	NONE
22-Jun-17	5	1230	CWD	2	SWL	2	64	ON	3RS ET	22.2026	113.9178	SUMMER	NONE
22-Jun-17	6	1248	CWD	1	SWL	2	720	ON	3RS ET	22.1941	113.9184	SUMMER	NONE
22-Jun-17	7	1354	CWD	2	SWL	2	28	ON	3RS ET	22.1916	113.9083	SUMMER	NONE
22-Jun-17	8	1406	CWD	3	SWL	2	5	ON	3RS ET	22.2063	113.9061	SUMMER	NONE
23-Jun-17	1	1001	CWD	1	NWL	2	72	ON	3RS ET	22.3476	113.8690	SUMMER	NONE
23-Jun-17	2	1212	CWD	2	NWL	3	17	ON	3RS ET	22.4073	113.8882	SUMMER	NONE
28-Jun-17	1	1028	CWD	3	WL	3	869	ON	3RS ET	22.2694	113.8568	SUMMER	NONE
28-Jun-17	2	1047	CWD	3	WL	2	65	ON	3RS ET	22.2649	113.8580	SUMMER	NONE
28-Jun-17	3	1119	CWD	5	WL	3	49	ON	3RS ET	22.2480	113.8515	SUMMER	NONE
28-Jun-17	4	1141	CWD	2	WL	3	250	ON	3RS ET	22.2411	113.8454	SUMMER	NONE
28-Jun-17	5	1201	CWD	2	WL	3	4	ON	3RS ET	22.2321	113.8296	SUMMER	NONE
28-Jun-17	6	1214	CWD	5	WL	4	482	ON	3RS ET	22.2232	113.8342	SUMMER	NONE
28-Jun-17	7	1250	CWD	2	WL	3	441	ON	3RS ET	22.2144	113.8268	SUMMER	NONE
28-Jun-17	8	1330	CWD	5	WL	3	224	ON	3RS ET	22.1953	113.8375	SUMMER	NONE
28-Jun-17	9	1428	CWD	1	SWL	3	1164	ON	3RS ET	22.1831	113.8593	SUMMER	NONE
11-Jul-17	1	1038	CWD	2	WL	2	82	ON	3RS ET	22.2668	113.8592	SUMMER	NONE
11-Jul-17	2	1055	CWD	8	WL	2	19	ON	3RS ET	22.2608	113.8536	SUMMER	NONE
11-Jul-17	3	1133	CWD	2	WL	3	351	ON	3RS ET	22.2498	113.8403	SUMMER	NONE
11-Jul-17	4	1144	CWD	1	WL	2	8	ON	3RS ET	22.2500	113.8500	SUMMER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
11-Jul-17	5	1159	CWD	4	WL	2	726	ON	3RS ET	22.2432	113.8488	SUMMER	NONE
11-Jul-17	6	1216	CWD	1	WL	2	17	ON	3RS ET	22.2414	113.8463	SUMMER	NONE
11-Jul-17	7	1242	CWD	2	WL	3	11	ON	3RS ET	22.2279	113.8378	SUMMER	NONE
11-Jul-17	8	1259	CWD	2	WL	3	196	ON	3RS ET	22.2185	113.8137	SUMMER	NONE
11-Jul-17	9	1318	CWD	2	WL	3	16	ON	3RS ET	22.2143	113.8333	SUMMER	NONE
11-Jul-17	10	1350	CWD	7	WL	4	324	ON	3RS ET	22.1969	113.8397	SUMMER	NONE
11-Jul-17	11	1414	CWD	3	WL	4	157	ON	3RS ET	22.1864	113.8401	SUMMER	NONE
11-Jul-17	12	1435	CWD	4	SWL	2	118	ON	3RS ET	22.1903	113.8499	SUMMER	NONE
11-Jul-17	13	1506	CWD	4	SWL	2	299	ON	3RS ET	22.1883	113.8593	SUMMER	NONE
12-Jul-17	1	0950	CWD	2	NWL	1	70	ON	3RS ET	22.3715	113.8673	SUMMER	NONE
12-Jul-17	2	1316	CWD	1	NWL	3	102	ON	3RS ET	22.3998	113.8983	SUMMER	NONE
14-Jul-17	1	0953	CWD	1	NWL	3	351	ON	3RS ET	22.3615	113.8666	SUMMER	NONE
14-Jul-17	2	1048	CWD	2	NWL	2	890	ON	3RS ET	22.2773	113.8689	SUMMER	NONE
14-Jul-17	3	1210	CWD	1	NWL	2	169	ON	3RS ET	22.3909	113.8780	SUMMER	NONE
20-Jul-17	1	1412	CWD	2	SWL	3	319	ON	3RS ET	22.1776	113.8785	SUMMER	NONE
20-Jul-17	2	1457	CWD	1	SWL	3	2226	ON	3RS ET	22.1900	113.8678	SUMMER	NONE
20-Jul-17	3	1524	CWD	3	WL	2	N/A	OFF	3RS ET	22.2178	113.8339	SUMMER	NONE
21-Jul-17	1	1032	CWD	5	WL	2	20	ON	3RS ET	22.2649	113.8585	SUMMER	NONE
21-Jul-17	2	1131	CWD	2	WL	3	65	ON	3RS ET	22.2318	113.8372	SUMMER	NONE
21-Jul-17	3	1151	CWD	2	WL	2	17	ON	3RS ET	22.2288	113.8383	SUMMER	NONE
21-Jul-17	4	1208	CWD	2	WL	3	190	ON	3RS ET	22.2182	113.8138	SUMMER	NONE
21-Jul-17	5	1223	CWD	2	WL	4	27	ON	3RS ET	22.2139	113.8322	SUMMER	NONE
21-Jul-17	6	1243	CWD	1	WL	4	62	ON	3RS ET	22.2048	113.8383	SUMMER	NONE
21-Jul-17	7	1310	CWD	6	WL	3	27	ON	3RS ET	22.1956	113.8425	SUMMER	NONE
26-Jul-17	1	1026	CWD	1	WL	2	N/A	OFF	3RS ET	22.2362	113.8409	SUMMER	NONE
26-Jul-17	2	1033	CWD	2	WL	2	N/A	OFF	3RS ET	22.2183	113.8339	SUMMER	NONE
26-Jul-17	3	1045	CWD	2	SWL	2	N/A	OFF	3RS ET	22.1948	113.8509	SUMMER	NONE
26-Jul-17	4	1056	CWD	3	SWL	2	252	ON	3RS ET	22.1999	113.8684	SUMMER	NONE
26-Jul-17	5	1301	CWD	7	SWL	2	234	ON	3RS ET	22.2036	113.9083	SUMMER	NONE
26-Jul-17	6	1411	FP	2	SWL	3	87	ON	3RS ET	22.1534	113.9183	SUMMER	NONE
26-Jul-17	7	1437	CWD	2	SWL	3	711	ON	3RS ET	22.2040	113.9181	SUMMER	GILLNET
04-Aug-17	1	1202	CWD	2	NWL	3	41	ON	3RS ET	22.4075	113.8878	SUMMER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
04-Aug-17	2	1322	CWD	3	NWL	3	42	ON	3RS ET	22.3735	113.8980	SUMMER	NONE
04-Aug-17	3	1339	CWD	3	NWL	1	3	ON	3RS ET	22.3782	113.8978	SUMMER	NONE
08-Aug-17	1	1305	CWD	2	NWL	4	N/A	OFF	3RS ET	22.3817	113.8981	SUMMER	NONE
14-Aug-17	1	1121	CWD	1	WL	3	98	ON	3RS ET	22.2321	113.8264	SUMMER	NONE
14-Aug-17	2	1242	CWD	2	WL	4	149	ON	3RS ET	22.1874	113.8301	SUMMER	NONE
14-Aug-17	3	1252	CWD	4	WL	4	N/A	OFF	3RS ET	22.1920	113.8425	SUMMER	NONE
14-Aug-17	4	1316	CWD	1	SWL	3	N/A	OFF	3RS ET	22.1906	113.8491	SUMMER	NONE
15-Aug-17	1	1029	CWD	1	SWL	2	303	ON	3RS ET	22.2108	113.9358	SUMMER	NONE
15-Aug-17	2	1131	CWD	1	SWL	3	182	ON	3RS ET	22.1818	113.9276	SUMMER	NONE
15-Aug-17	3	1255	CWD	5	SWL	2	146	ON	3RS ET	22.1784	113.9041	SUMMER	NONE
15-Aug-17	4	1338	CWD	1	SWL	3	1090	ON	3RS ET	22.1901	113.8967	SUMMER	NONE
15-Aug-17	5	1343	CWD	8	SWL	3	477	ON	3RS ET	22.1853	113.8973	SUMMER	NONE
15-Aug-17	6	1407	CWD	1	SWL	2	783	ON	3RS ET	22.1756	113.8969	SUMMER	NONE
15-Aug-17	7	1455	CWD	3	SWL	2	11	ON	3RS ET	22.1794	113.8876	SUMMER	NONE
21-Aug-17	1	1232	CWD	3	SWL	3	156	ON	3RS ET	22.1673	113.9050	SUMMER	GILLNET
21-Aug-17	2	1333	CWD	2	SWL	2	29	ON	3RS ET	22.1789	113.8982	SUMMER	NONE
21-Aug-17	3	1344	CWD	8	SWL	2	713	ON	3RS ET	22.1741	113.8972	SUMMER	NONE
21-Aug-17	4	1431	CWD	8	SWL	2	174	ON	3RS ET	22.1729	113.8875	SUMMER	NONE
21-Aug-17	5	1516	CWD	3	SWL	2	15	ON	3RS ET	22.1796	113.8786	SUMMER	NONE
21-Aug-17	6	1539	CWD	2	SWL	2	126	ON	3RS ET	22.1665	113.8688	SUMMER	NONE
21-Aug-17	7	1549	CWD	2	SWL	2	28	ON	3RS ET	22.1720	113.8690	SUMMER	NONE
22-Aug-17	1	0943	CWD	1	AW	1	87	ON	3RS ET	22.2965	113.8825	SUMMER	NONE
22-Aug-17	2	1031	CWD	1	WL	1	37	ON	3RS ET	22.2776	113.8518	SUMMER	NONE
22-Aug-17	3	1043	CWD	2	WL	1	6	ON	3RS ET	22.2684	113.8457	SUMMER	NONE
22-Aug-17	4	1059	CWD	2	WL	1	140	ON	3RS ET	22.2656	113.8585	SUMMER	NONE
22-Aug-17	5	1112	CWD	1	WL	1	189	ON	3RS ET	22.2609	113.8550	SUMMER	NONE
22-Aug-17	6	1127	CWD	6	WL	1	84	ON	3RS ET	22.2602	113.8396	SUMMER	NONE
22-Aug-17	7	1202	CWD	4	WL	2	149	ON	3RS ET	22.2419	113.8404	SUMMER	NONE
22-Aug-17	8	1326	CWD	1	WL	3	31	ON	3RS ET	22.1875	113.8419	SUMMER	NONE
22-Aug-17	9	1335	CWD	4	WL	2	376	ON	3RS ET	22.1865	113.8386	SUMMER	NONE
22-Aug-17	10	1408	CWD	3	SWL	3	182	ON	3RS ET	22.1718	113.8533	SUMMER	NONE
22-Aug-17	11	1432	CWD	4	SWL	2	210	ON	3RS ET	22.1748	113.8594	SUMMER	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. June and July 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 August 2017 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 357.434 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 29 on-effort sightings and total number of 86 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in August 2017 are shown as below:

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

$$STG = \frac{29}{357.434} \times 100 = 8.11$$

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

$$ANI = \frac{86}{357.434} \times 100 = 24.06$$

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

A total of 1123.029 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 79 on-effort sightings and total number of 228 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)









$$STG = \frac{79}{1123.029} \times 100 = 7.03$$

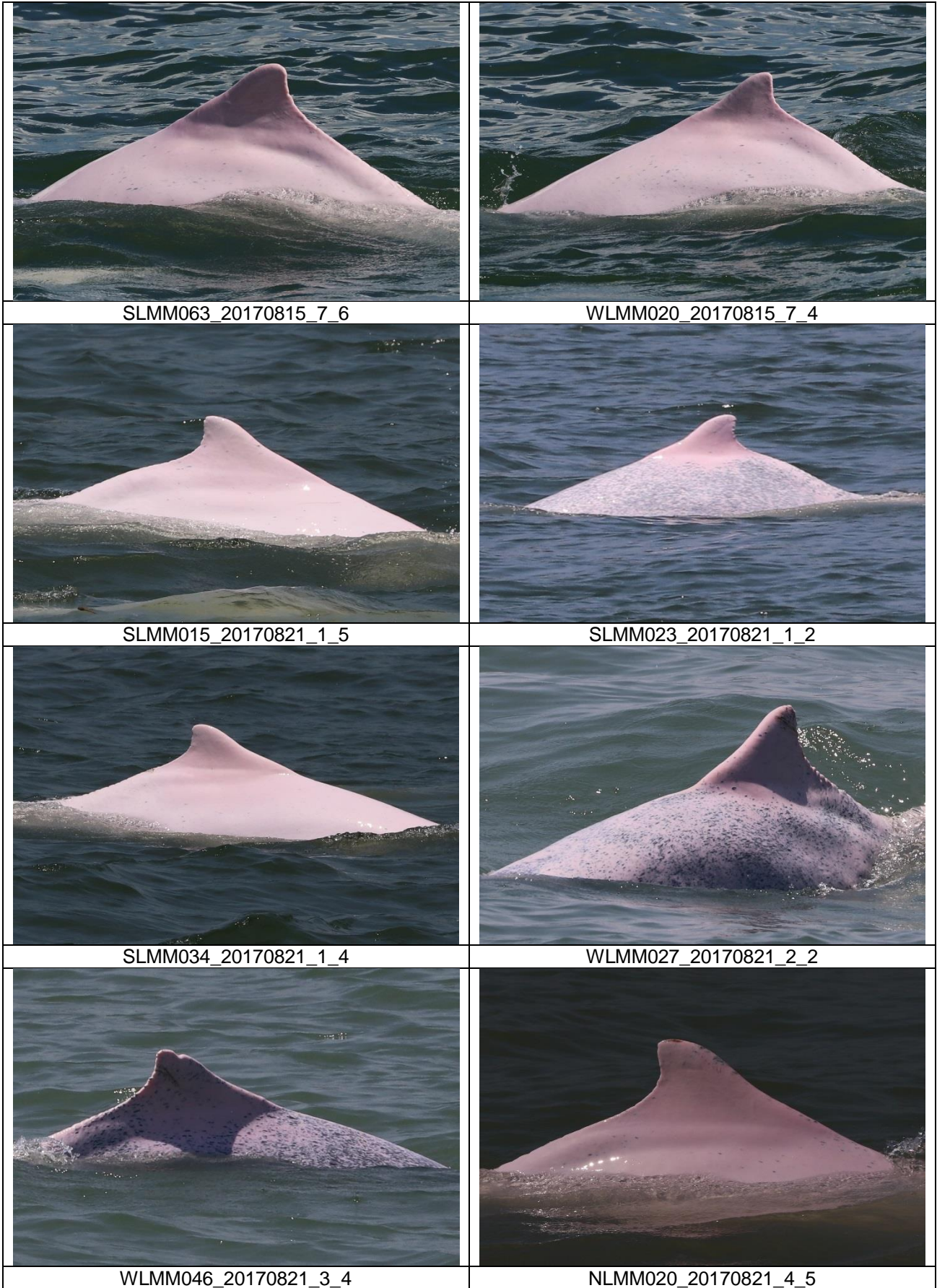
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

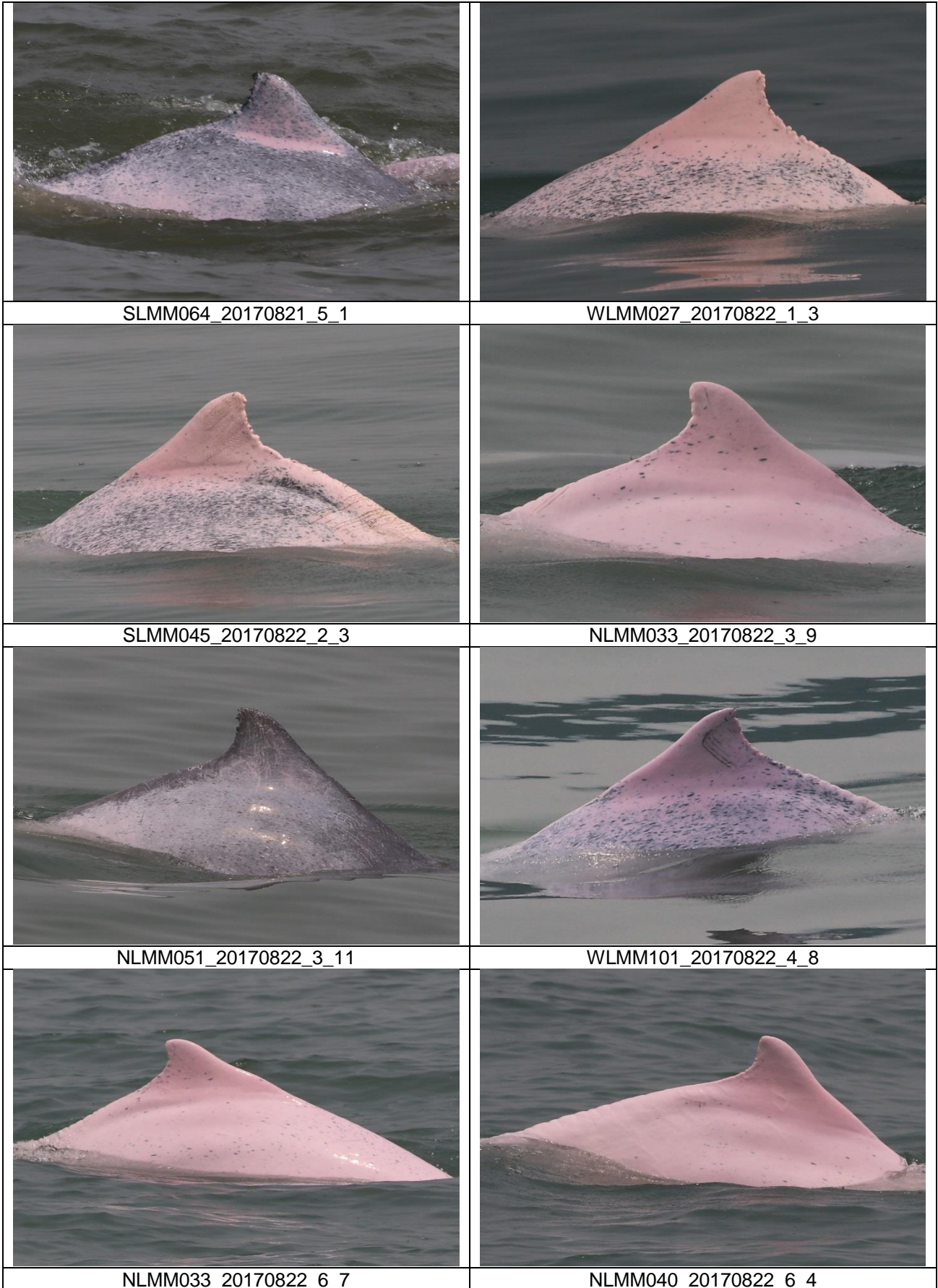
$$ANI = \frac{228}{1123.029} \times 100 = 20.30$$

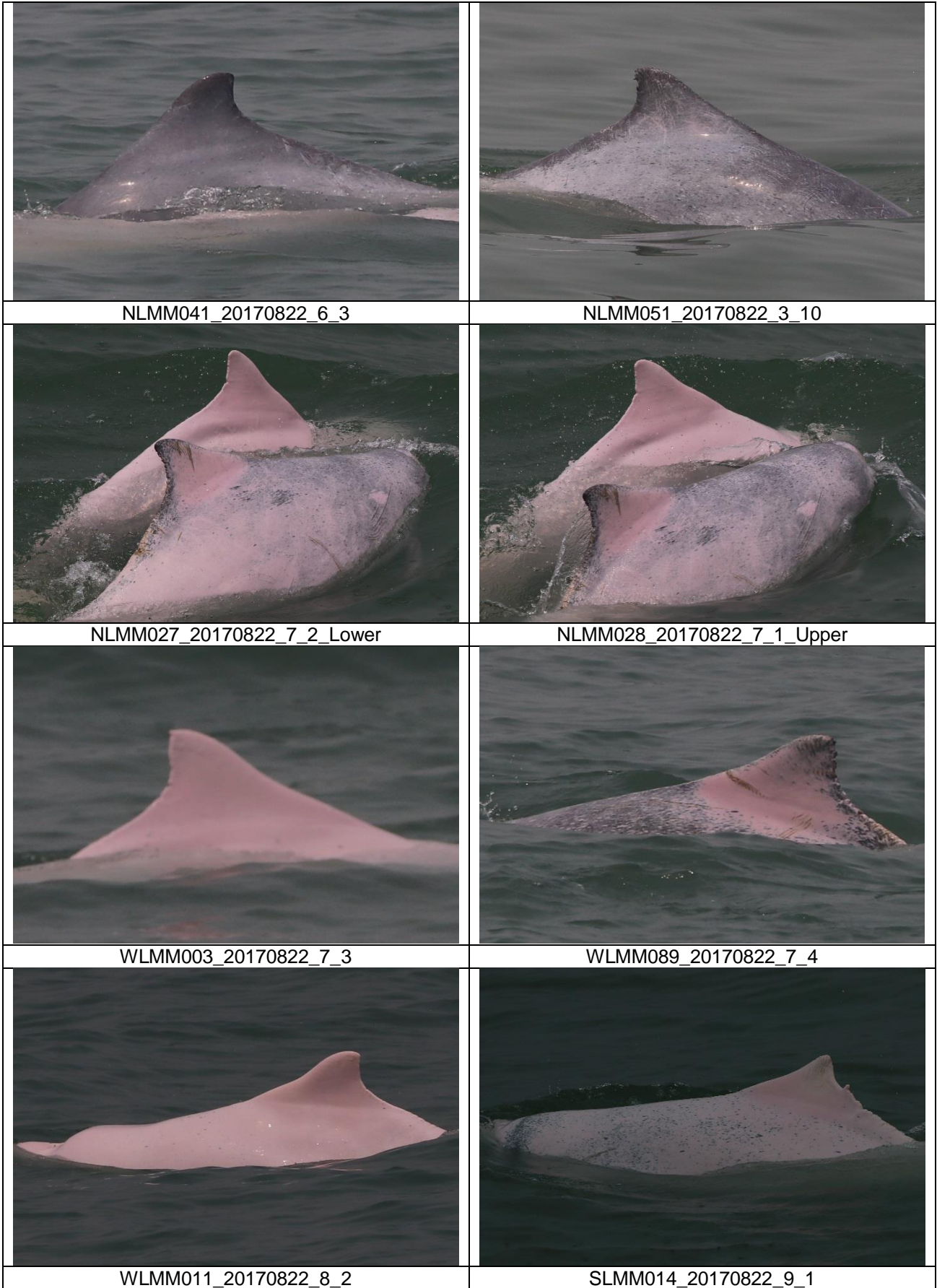
CWD Small Vessel Line-transect Survey

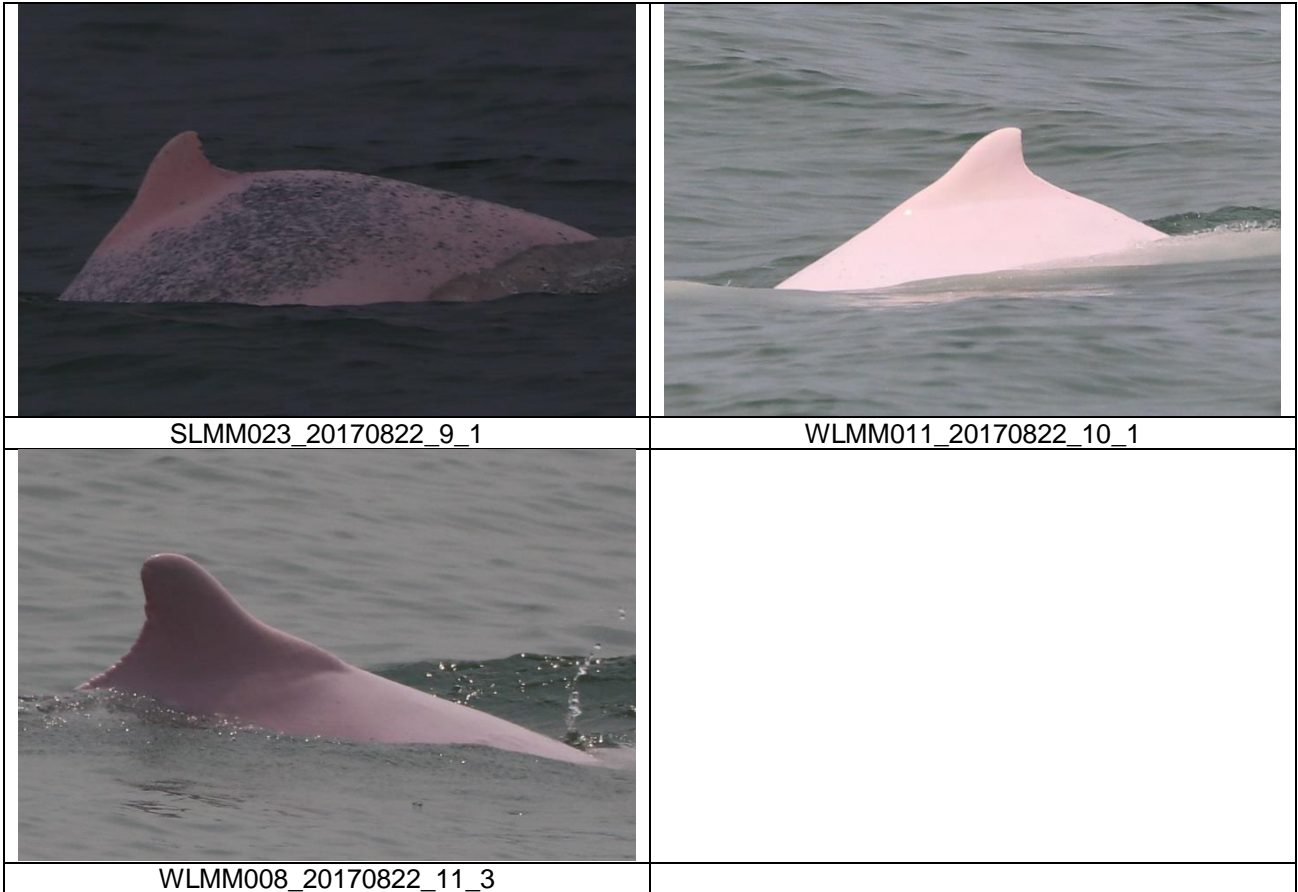
Photo Identification

	
WLMM051_20170814_3_3	SLMM054_20170815_1_8
	
SLMM060_20170815_2_9	SLMM034_20170815_3_4
	
SLMM061_20170815_3_4	SLMM057_20170815_5_5
	
SLMM062_20170815_5_3	WLMM020_20170815_5_4









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
17/Aug/17	Lung Kwu Chau	8:39	14:39	6:00	2	2	2	2-4
18/Aug/17	Sha Chau	8:49	14:49	6:00	1-2	2	0	N/A
21/Aug/17	Lung Kwu Chau	9:10	15:10	6:00	2	2-3	6	1-6
22/Aug/17	Lung Kwu Chau	8:43	14:43	6:00	2-4	4	3	2-5
25/Aug/17	Sha Chau	8:46	14:46	6:00	2	2	2	1-2

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

