

Appendix C. Monitoring Results

Air Quality Monitoring Results

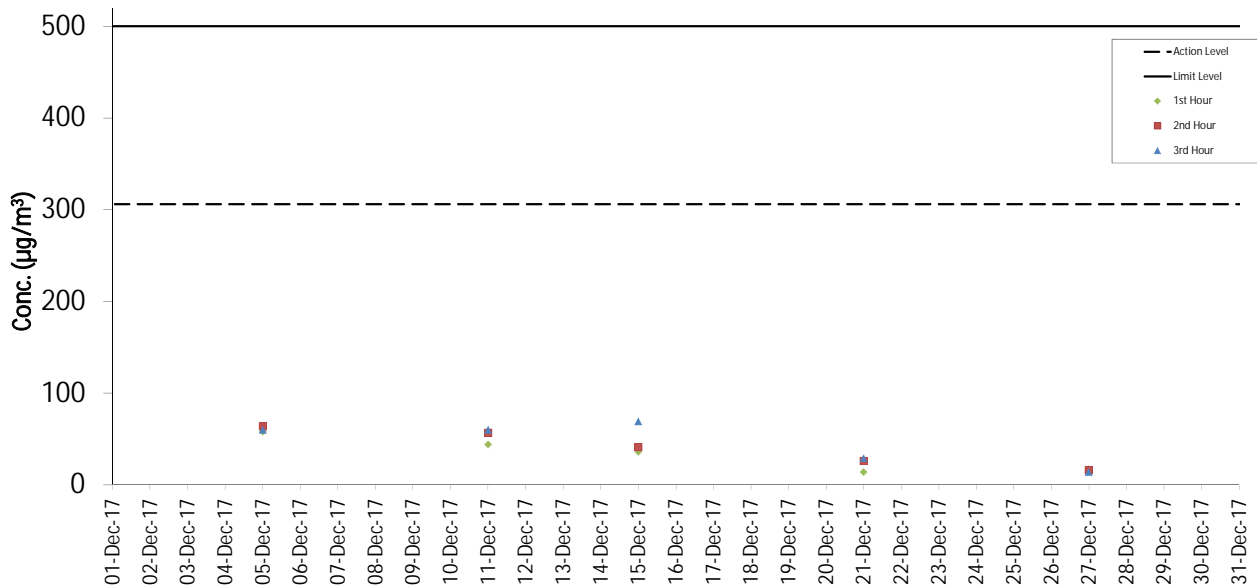
1-hour TSP Results**Station: AR1A- Man Tung Road Park**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
05-Dec-17	13:00	Fine	4.6	2	58	306	500
05-Dec-17	14:00	Fine	3.5	57	64	306	500
05-Dec-17	15:00	Fine	2.7	63	60	306	500
11-Dec-17	13:00	Sunny	3.7	341	44	306	500
11-Dec-17	14:00	Sunny	4.2	335	57	306	500
11-Dec-17	15:00	Sunny	3.9	326	60	306	500
15-Dec-17	13:00	Fine	3.6	46	36	306	500
15-Dec-17	14:00	Fine	2.0	318	41	306	500
15-Dec-17	15:00	Fine	3.7	317	69	306	500
21-Dec-17	13:00	Sunny	3.8	347	14	306	500
21-Dec-17	14:00	Sunny	4.7	344	26	306	500
21-Dec-17	15:00	Sunny	3.7	272	29	306	500
27-Dec-17	13:00	Sunny	5.5	112	17	306	500
27-Dec-17	14:00	Sunny	5.9	112	16	306	500
27-Dec-17	15:00	Sunny	4.5	122	14	306	500

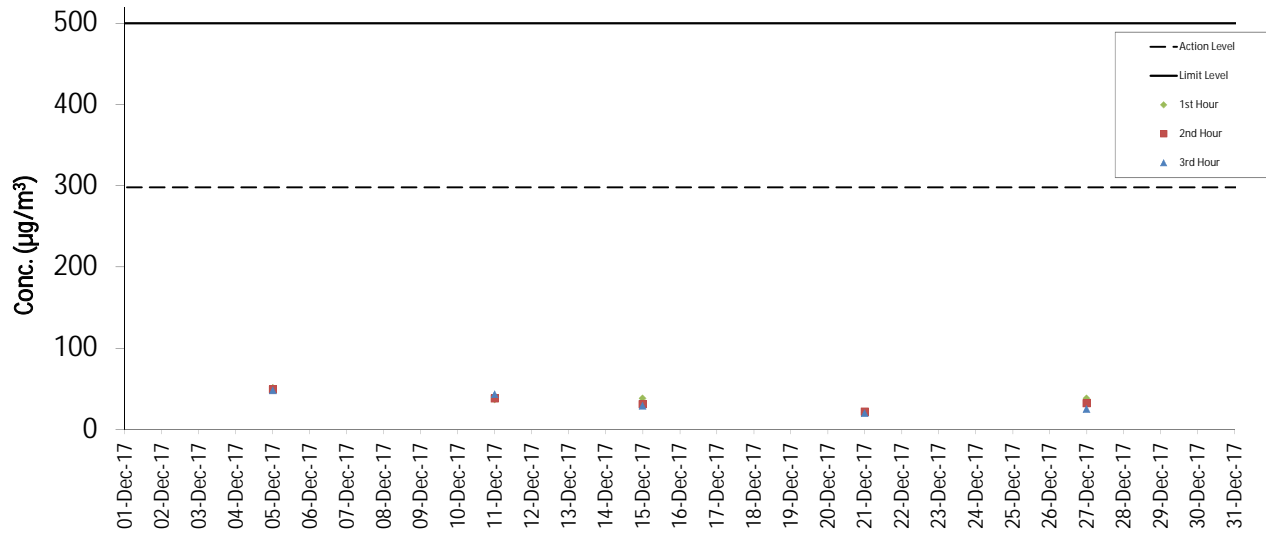
1-hour TSP Results**Station: AR2- Village House, Tin Sum**

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 ($\mu\text{g}/\text{m}^3$)
05-Dec-17	09:02	Cloudy	5.3	48	51	298	500
05-Dec-17	10:02	Cloudy	4.1	52	49	298	500
05-Dec-17	11:02	Cloudy	3.0	50	48	298	500
11-Dec-17	09:00	Sunny	3.9	58	37	298	500
11-Dec-17	10:00	Sunny	2.2	42	38	298	500
11-Dec-17	11:00	Sunny	4.1	352	43	298	500
15-Dec-17	09:00	Sunny	5.6	89	38	298	500
15-Dec-17	10:00	Sunny	3.8	66	31	298	500
15-Dec-17	11:00	Sunny	4.4	112	29	298	500
21-Dec-17	09:01	Sunny	3.6	56	21	298	500
21-Dec-17	10:01	Sunny	3.2	63	22	298	500
21-Dec-17	11:01	Sunny	2.3	61	20	298	500
27-Dec-17	08:54	Sunny	4.3	80	38	298	500
27-Dec-17	09:54	Sunny	6.2	95	32	298	500
27-Dec-17	10:54	Sunny	4.1	100	25	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)
05-Dec-17	Fine	13:05	73.0	55.0	72
05-Dec-17	Fine	13:10	73.0	57.5	
05-Dec-17	Fine	13:15	72.0	56.5	
05-Dec-17	Fine	13:20	71.5	57.5	
05-Dec-17	Fine	13:25	71.5	56.0	
05-Dec-17	Fine	13:30	73.0	58.0	
11-Dec-17	Sunny	13:21	73.0	56.0	73
11-Dec-17	Sunny	13:26	72.0	56.0	
11-Dec-17	Sunny	13:31	72.0	55.0	
11-Dec-17	Sunny	13:36	71.5	54.5	
11-Dec-17	Sunny	13:41	73.0	56.5	
11-Dec-17	Sunny	13:46	73.5	54.5	
21-Dec-17	Sunny	13:09	72.0	55.5	72
21-Dec-17	Sunny	13:14	73.0	55.5	
21-Dec-17	Sunny	13:19	71.5	55.5	
21-Dec-17	Sunny	13:24	72.0	55.5	
21-Dec-17	Sunny	13:29	72.0	56.0	
21-Dec-17	Sunny	13:34	73.0	56.5	
27-Dec-17	Sunny	13:07	74.0	55.0	73
27-Dec-17	Sunny	13:12	72.5	55.0	
27-Dec-17	Sunny	13:17	73.0	56.0	
27-Dec-17	Sunny	13:22	72.5	55.5	
27-Dec-17	Sunny	13:27	72.5	59.0	
27-Dec-17	Sunny	13:32	73.5	57.0	

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)
05-Dec-17	Fine	09:20	69.5	60.0	61
05-Dec-17	Fine	09:25	68.0	59.0	
05-Dec-17	Fine	09:30	71.0	60.0	
05-Dec-17	Fine	09:35	70.5	60.0	
05-Dec-17	Fine	09:40	68.0	59.5	
05-Dec-17	Fine	09:45	68.5	59.5	
11-Dec-17	Sunny	09:22	67.0	57.0	63
11-Dec-17	Sunny	09:27	69.5	57.0	
11-Dec-17	Sunny	09:32	69.0	57.5	
11-Dec-17	Sunny	09:37	69.5	57.0	
11-Dec-17	Sunny	09:42	70.5	57.0	
11-Dec-17	Sunny	09:47	70.0	57.0	
21-Dec-17	Sunny	09:25	69.0	57.5	61
21-Dec-17	Sunny	09:30	67.5	57.5	
21-Dec-17	Sunny	09:35	68.5	57.5	
21-Dec-17	Sunny	09:40	71.0	57.5	
21-Dec-17	Sunny	09:45	68.0	57.0	
21-Dec-17	Sunny	09:50	69.5	57.5	
27-Dec-17	Sunny	09:25	68.0	57.5	61
27-Dec-17	Sunny	09:30	68.5	57.5	
27-Dec-17	Sunny	09:35	69.5	57.0	
27-Dec-17	Sunny	09:40	70.0	57.5	
27-Dec-17	Sunny	09:45	68.5	57.5	
27-Dec-17	Sunny	09:50	67.5	57.0	

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
05-Dec-17	Cloudy	14:00	65.5	62.2	66
05-Dec-17	Cloudy	14:05	64.0	59.5	
05-Dec-17	Cloudy	14:10	65.0	61.0	
05-Dec-17	Cloudy	14:15	65.0	61.5	
05-Dec-17	Cloudy	14:20	65.5	59.5	
05-Dec-17	Cloudy	14:25	64.5	60.0	
11-Dec-17	Sunny	13:42	65.5	60.0	66
11-Dec-17	Sunny	13:47	65.5	60.0	
11-Dec-17	Sunny	13:52	65.5	59.5	
11-Dec-17	Sunny	13:57	63.0	58.5	
11-Dec-17	Sunny	14:02	65.0	59.5	
11-Dec-17	Sunny	14:07	66.5	60.5	
21-Dec-17	Sunny	14:56	67.0	59.0	60
21-Dec-17	Sunny	15:01	67.0	59.0	
21-Dec-17	Sunny	15:06	72.0	59.0	
21-Dec-17	Sunny	15:11	63.0	58.5	
21-Dec-17	Sunny	15:16	63.0	58.0	
21-Dec-17	Sunny	15:21	62.0	57.5	
27-Dec-17	Sunny	15:02	62.5	57.5	64
27-Dec-17	Sunny	15:07	64.0	58.0	
27-Dec-17	Sunny	15:12	64.0	58.5	
27-Dec-17	Sunny	15:17	62.5	57.5	
27-Dec-17	Sunny	15:22	62.5	57.5	
27-Dec-17	Sunny	15:27	62.0	57.0	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
05-Dec-17	Cloudy	09:57	60.0	50.0	58
05-Dec-17	Cloudy	10:02	58.0	49.5	
05-Dec-17	Cloudy	10:07	59.0	50.0	
05-Dec-17	Cloudy	10:12	57.0	48.0	
05-Dec-17	Cloudy	10:17	55.0	48.5	
05-Dec-17	Cloudy	10:22	56.5	49.0	
11-Dec-17	Sunny	09:30	63.5	49.0	53
11-Dec-17	Sunny	09:35	56.5	47.0	
11-Dec-17	Sunny	09:40	55.5	47.5	
11-Dec-17	Sunny	09:45	55.0	47.5	
11-Dec-17	Sunny	09:50	60.5	47.0	
11-Dec-17	Sunny	09:55	52.0	46.5	
21-Dec-17	Sunny	09:43	55.5	47.0	58
21-Dec-17	Sunny	09:48	56.5	48.5	
21-Dec-17	Sunny	09:53	56.5	50.5	
21-Dec-17	Sunny	09:58	59.5	49.0	
21-Dec-17	Sunny	10:03	57.0	48.5	
21-Dec-17	Sunny	10:08	60.0	47.5	
27-Dec-17	Sunny	09:25	60.0	49.5	59
27-Dec-17	Sunny	09:30	61.0	50.5	
27-Dec-17	Sunny	09:35	60.0	49.5	
27-Dec-17	Sunny	09:40	57.5	51.5	
27-Dec-17	Sunny	09:45	55.5	51.0	
27-Dec-17	Sunny	09:50	58.0	49.0	

Remarks:

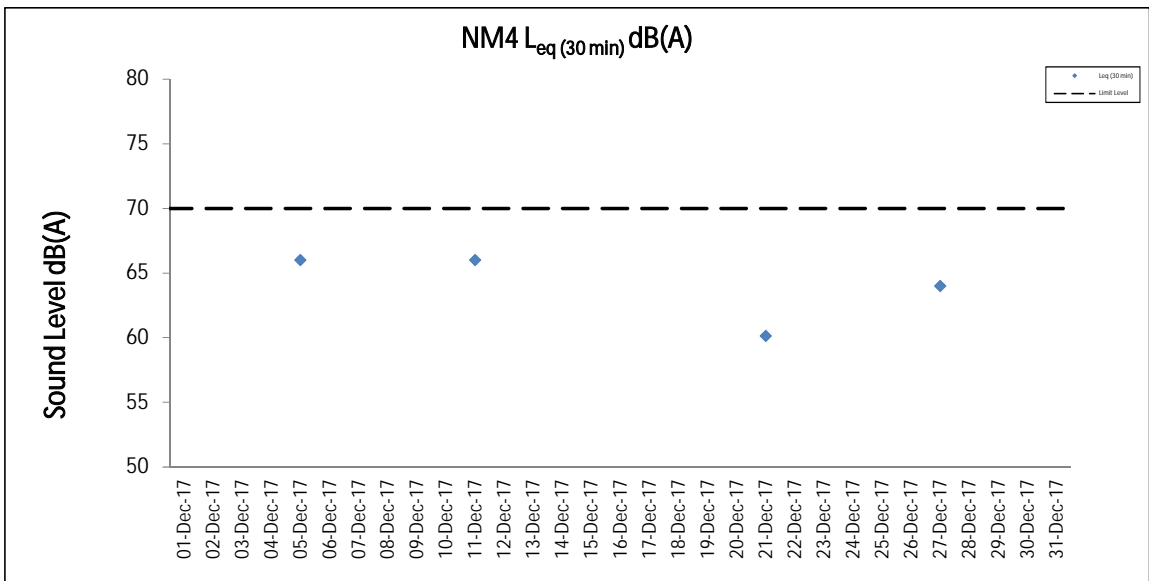
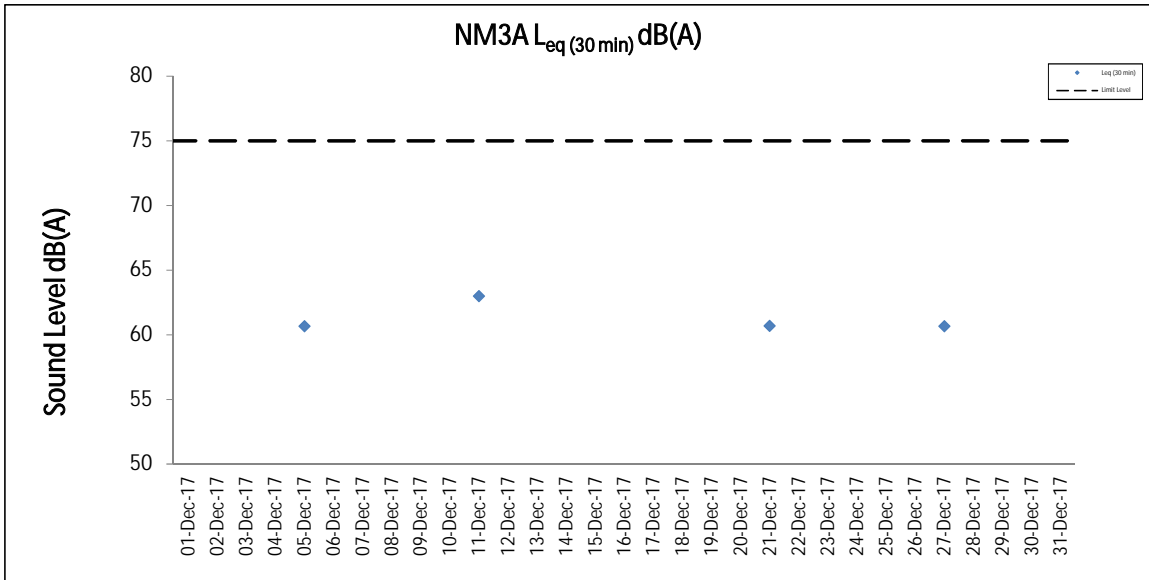
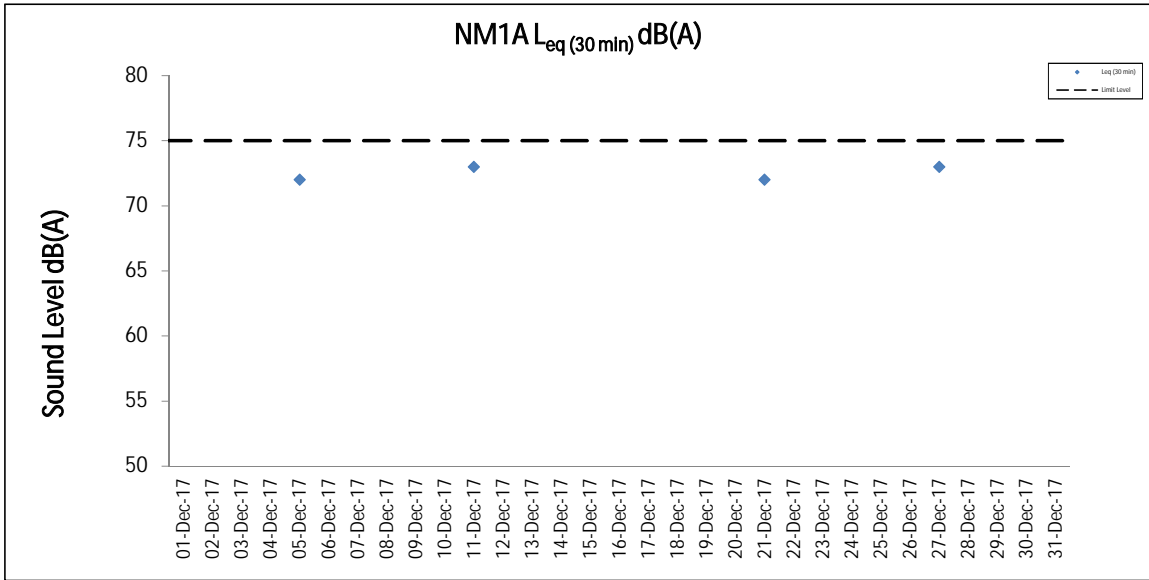
+3dB (A) correction was applied to free-field measurement.

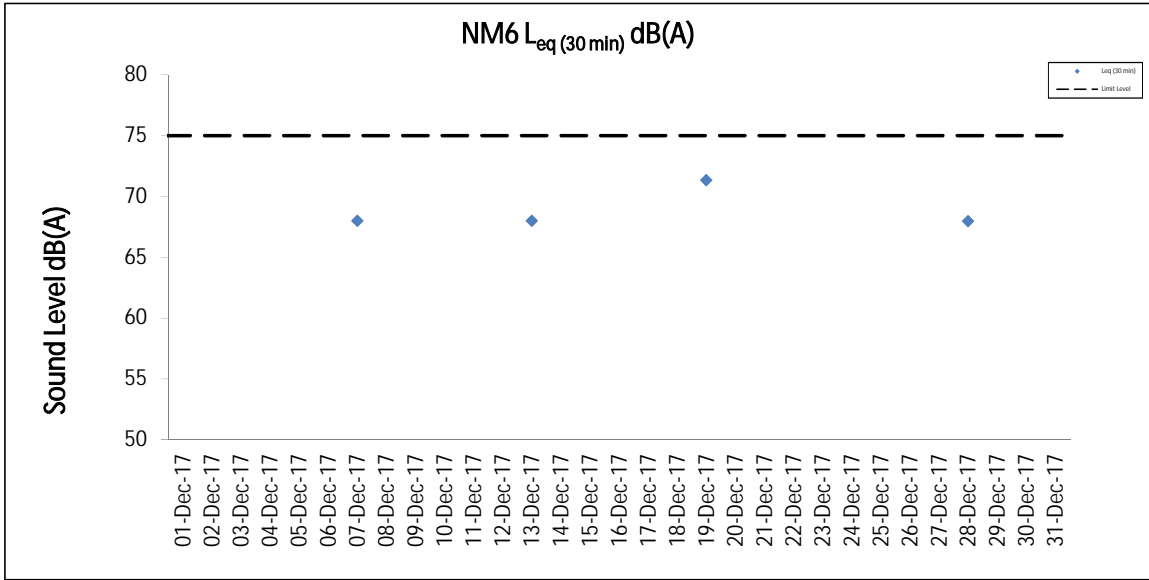
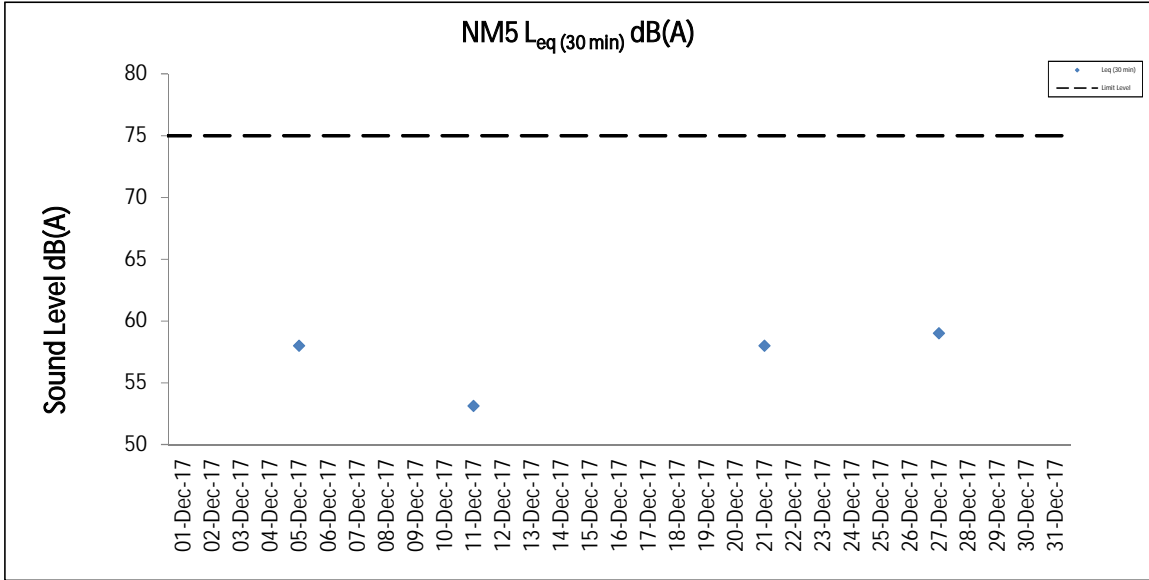
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
07-Dec-17	Cloudy	09:42	67.0	52.5	68
07-Dec-17	Cloudy	09:47	67.5	52.5	
07-Dec-17	Cloudy	09:52	66.0	52.0	
07-Dec-17	Cloudy	09:57	68.5	57.5	
07-Dec-17	Cloudy	10:02	66.5	56.0	
07-Dec-17	Cloudy	10:07	71.0	58.0	
13-Dec-17	Cloudy	09:38	70.5	60.5	68
13-Dec-17	Cloudy	09:43	71.5	56.5	
13-Dec-17	Cloudy	09:48	67.0	56.5	
13-Dec-17	Cloudy	09:53	67.0	53.0	
13-Dec-17	Cloudy	09:58	65.5	54.0	
13-Dec-17	Cloudy	10:03	71.0	53.0	
19-Dec-17	Sunny	09:37	74.5	61.5	71
19-Dec-17	Sunny	09:42	76.0	62.5	
19-Dec-17	Sunny	09:47	74.5	62.0	
19-Dec-17	Sunny	09:52	74.5	62.0	
19-Dec-17	Sunny	09:57	75.0	62.0	
19-Dec-17	Sunny	10:02	72.0	62.0	
28-Dec-17	Fine	09:50	67.5	60.0	68
28-Dec-17	Fine	09:55	68.5	58.5	
28-Dec-17	Fine	10:00	70.0	63.0	
28-Dec-17	Fine	10:05	73.5	60.0	
28-Dec-17	Fine	10:10	72.0	62.5	
28-Dec-17	Fine	10:15	73.5	65.0	

Remarks:

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





Water Quality Monitoring Results

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 December 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 ($\mu\text{g/L}$)		Nickel ($\mu\text{g/L}$)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	11:02	9.1	Surface	1.0	0.1	196	22.0	8.1	8.1	32.8	32.8	96.2	96.2	7.0	7.0	15.7	15.7	19	19	72	72	815608	804256	<0.2	<0.2	0.4	0.4					
						1.0	0.1	207	22.0	8.1	8.1	32.8	32.8	96.2	96.2	7.0	7.0	15.7	15.7	19	19	72	72											
					Middle	4.6	0.1	183	22.0	22.0	8.1	8.1	32.8	32.8	95.8	95.8	6.9	6.9	19.0	19.0	18	18	74	74	74	74	<0.2	<0.2	0.4	0.4				
						4.6	0.1	188	22.0	22.0	8.1	8.1	32.8	32.8	95.8	95.8	6.9	6.9	19.0	19.0	17	17	74	74	74	74	<0.2	<0.2	0.4	0.4				
					Bottom	8.1	0.0	192	22.0	22.0	8.1	8.1	32.8	32.8	96.1	96.1	7.0	7.0	20.9	20.9	23	23	76	76	74	74	74	74	<0.2	<0.2	0.3	0.3		
						8.1	0.0	196	22.0	22.0	8.1	8.1	32.8	32.8	96.2	96.2	7.0	7.0	20.7	20.7	21	21	76	76	74	74	74	74	<0.2	<0.2	0.4	0.4		
C2	Cloudy	Moderate	09:55	12.4	Surface	1.0	0.2	69	22.2	7.9	7.9	29.6	29.6	94.4	94.4	6.9	6.9	8.1	8.1	8	8	72	72	825688	806961	<0.2	<0.2	1.1	1.1					
						1.0	0.2	71	22.2	7.9	7.9	29.6	29.6	94.4	94.4	6.9	6.9	8.1	8.1	7	7	72	72	73	73	73	73	<0.2	<0.2	1.1	1.1			
					Middle	6.2	0.2	71	22.3	22.3	7.9	7.9	30.1	30.1	94.4	94.4	6.9	6.9	12.6	12.6	10	10	73	73	73	73	73	73	<0.2	<0.2	1.2	1.2		
						6.2	0.2	71	22.3	22.3	7.9	7.9	30.1	30.1	94.4	94.4	6.9	6.9	12.6	12.6	8	8	73	73	73	73	73	73	<0.2	<0.2	1.0	1.0		
					Bottom	11.4	0.2	344	22.3	22.3	7.9	7.9	31.1	31.1	96.3	96.3	7.0	7.0	26.2	26.2	9	9	75	75	75	75	75	75	<0.2	<0.2	1.0	1.0		
						11.4	0.2	316	22.3	22.3	7.9	7.9	31.1	31.1	96.3	96.3	7.0	7.0	26.2	26.2	10	10	75	75	75	75	75	75	<0.2	<0.2	0.9	0.9		
C3	Cloudy	Moderate	11:41	11.8	Surface	1.0	0.4	88	22.5	7.9	7.9	31.5	31.5	90.2	90.2	6.5	6.5	4.0	4.0	4	4	73	73	822094	817782	<0.2	<0.2	0.5	0.5					
						1.0	0.4	90	22.5	7.9	7.9	31.5	31.5	90.2	90.2	6.5	6.5	4.0	4.0	5	5	73	73	75	75	75	75	<0.2	<0.2	0.6	0.6			
					Middle	5.9	0.3	95	22.4	22.4	7.9	7.9	31.5	31.5	90.9	90.9	6.6	6.6	7.6	7.6	6	6	75	75	75	75	75	75	<0.2	<0.2	0.6	0.6		
						5.9	0.4	98	22.4	22.4	7.9	7.9	31.5	31.5	90.9	90.9	6.6	6.6	7.6	7.6	7	7	75	75	75	75	75	75	<0.2	<0.2	0.6	0.6		
					Bottom	10.8	0.3	88	22.4	22.4	7.9	7.9	31.6	31.6	93.1	93.1	6.7	6.7	8.2	8.2	7	7	76	76	76	76	76	76	<0.2	<0.2	0.6	0.6		
						10.8	0.3	89	22.4	22.4	7.9	7.9	31.6	31.6	93.1	93.1	6.7	6.7	8.2	8.2	7	7	76	76	76	76	76	76	<0.2	<0.2	0.7	0.7		
IM1	Cloudy	Moderate	10:44	8.0	Surface	1.0	0.1	95	21.9	21.9	8.1	8.1	32.6	32.6	96.2	96.2	7.0	7.0	18.7	18.7	16	16	72	72	818378	806475	<0.2	<0.2	0.5	0.5				
						1.0	0.1	104	21.9	21.9	8.1	8.1	32.6	32.6	96.2	96.2	7.0	7.0	18.7	18.7	18	18	72	72	74	74	74	74	<0.2	<0.2	0.4	0.4		
					Middle	4.0	0.1	88	21.9	21.9	8.1	8.1	32.7	32.7	95.8	95.8	6.9	6.9	20.8	20.8	21	21	73	73	73	73	73	73	<0.2	<0.2	0.4	0.4		
						4.0	0.2	96	21.9	21.9	8.1	8.1	32.7	32.7	95.8	95.8	6.9	6.9	20.8	20.8	21	21	73	73	73	73	73	73	<0.2	<0.2	0.4	0.4		
					Bottom	7.0	0.0	137	21.9	21.9	8.1	8.1	32.7	32.7	96.1	96.1	7.0	7.0	26.4	26.4	28	28	76	76	76	76	76	76	<0.2	<0.2	0.4	0.4		
						7.0	0.0	146	21.9	21.9	8.1	8.1	32.7	32.7	96.1	96.1	7.0	7.0	26.6	26.6	28	28	76	76	76	76	76	76	<0.2	<0.2	0.4	0.4		
IM2	Cloudy	Moderate	10:36	9.0	Surface	1.0	0.2	51	22.0	22.0	8.1	8.1	32.8	32.8	96.4	96.3	7.0	7.0	17.9	17.9	17	17	71	71	818841	806163	<0.2	<0.2	0.4	0.5				
						1.0	0.2	52	22.0	22.0	8.1	8.1	32.8	32.8	96.2	96.3	7.0	7.0	18.2	18.2	18	18	71	71	73	73	73	73	<0.2	<0.2	0.5	0.5		
					Middle	4.5	0.1	36	21.9	21.9	8.1	8.1	32.8	32.8	95.5	95.5	6.9	6.9	21.0	21.0	22	22	73	73	73	73	73	73	<0.2	<0.2	0.4	0.5		
						4.5	0.1	36	21.9	21.9	8.1	8.1	32.8	32.8	95.5	95.5	6.9	6.9	21.1	21.1	21	21	73	73	73	73	73	73	<0.2	<0.2	0.5	0.5		
					Bottom	8.0	0.1	52	21.9	21.9	8.1	8.1	32.8	32.8	95.6	95.6	6.9	6.9	25.5	25.5	25	25	74	74	74	74	74	74	<0.2	<0.2	0.5	0.5		
						8.0	0.1	55	21.9	21.9	8.1	8.1	32.8	32.8	95.7	95.7	6.9	6.9	25.5	25.5	24	24	75	75	75	75	75	75	<0.2	<0.2	0.4	0.4		
IM3	Cloudy	Moderate	10:30	8.9	Surface	1.0	0.2	121	22.0	22.0	8.1	8.1	32.6	32.6	95.9	95.9	7.0	7.0	15.9	15.9	18	18	70	70	819431	806004	<0.2	<0.2	0.5	0.5				
						1.0	0.2	126	22.0	22.0	8.1	8.1	32.6	32.6	95.9	95.9	7.0	7.0	16.0	16.0	16	16	71	71	73	73	73	73	<0.2	<0.2	0.5	0.5		
					Middle	4.5	0.1	83	21.9	21.9	8.1	8.1	32.7	32.7	95.6	95.6	6.9	6.9	19.4	19.4	22	22	73	73	73	73	73	73	<0.2	<0.2	0.5	0.5		
						4.5	0.1	86	21.9	21.9	8.1	8.1	32.7	32.7	95.6	95.6	6.9	6.9	19.4	19.4	22	22	73	73	73	73	73	73	<0.2	<0.2	0.5	0.5		
					Bottom	7.9	0.3	72	21.9	21.9	8.1	8.1	32.7	32.7	95.9	95.9	6.9	6.9	25.6	25.6	23	23	75	75	75	75	75	75	<0.2	<0.2	0.4	0.4		
						7.9	0.3	74	21.9	21.9	8.1	8.1	32.7	32.7	95.9	95.9	6.9	6.9	25.6	25.6	23	23	75	75	75	75	75	75	<0.2	<0.2	0.4	0.4		
IM4	Cloudy	Moderate	10:22	8.2	Surface	1.0	0.1	125	21.9	21.9	8.1	8.1	32.6	32.6	96.3	96.3	7.0	7.0	17.8	17.8	17	17	71	71	819550	805043	<0.2	<0.2	0.4	0.4				
						1.0	0.1	131	21.9	21.9	8.1	8.1	32.6	32.6	96.3	96.3	7.0	7.0	17.8	17.8	18	18	72	72	74	74	74	74	<0.2	<0.2	0.5	0.5		
					Middle	4.1	0.1	34	21.9	21.9	8.1	8.1	32.7	32.7	95.9	95.9	6.9	6.9	22.1	22.1	19	19	73	73	74	74	74	74	<0.2	<0.2	0.4	0.4		
						4.1	0.1	35	21.9	21.9	8.1	8.1	32.7	32.7	95.9	95.9	6.9	6.9	22.1	22.1	19	19	74	74	74	74	74	74	<0.2	<0.2	0.4	0.4		
					Bottom	7.2	0.1	355	21.9	21.9	8.1	8.1	32.7	32.7	96.6	96.6	7.0	7.0	24.2	24.2	18	18	75	75	75	75	75	75	<0.2	<0.2	0.4	0.4		
						7.2	0.1	327	21.9	21.9	8.1	8.1	32.7	32.7	96.6	96.6	7.0	7.0	24.2	24.2	18	18	76	76	76	76	76	76	<0.2	<0.2	0.4	0.4		
IM5	Cloudy	Moderate	10:13	7.7	Surface	1.0	0.2	20	21.9	21.9	8.1	8.1	32.6	32.6	96.1	96.1	7.0	7.0	16.6	16.6	20	20	72	72	820562	804952	<0.2	<0.2	0.5	0.5				
						1.0	0.2	21	21.9	21.9	8.1	8.1	32.6	32.6	96.1	96.1	7.0	7.0	16.6	16.6	18	18	72	72	74	74	74	74						

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 December 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	10:28	7.2	Surface	1.0	0.4	82	22.1		8.1	8.1	31.1	31.1	97.0	97.0	7.1		12.5		11		74			822104	808792	<0.2		0.8			
						1.0	0.4	86	22.1		8.1	8.1	31.1	31.1	97.0	97.0	7.1	7.1	12.5		10		73							<0.2		0.8	
						3.6	0.3	83	22.1	22.1	8.1	8.1	31.1	31.1	96.9	96.9	7.1		16.7		12		73							<0.2		0.6	
					Middle	3.6	0.3	89	22.1		8.1	8.1	31.1	31.1	96.9	96.9	7.1		16.7		11		74							<0.2		0.6	
						6.2	0.3	91	22.1	22.1	8.1	8.1	31.2	31.2	98.0	98.0	7.1	7.1	17.9		12		75							<0.2		0.6	
						6.2	0.3	97	22.1		8.1	8.1	31.2	31.2	98.0	98.0	7.1	7.1	17.9		11		75							<0.2		0.6	
					Bottom	1.0	0.4	93	22.2		8.0	8.0	31.0	31.0	95.6	95.6	7.0	7.0	11.7		10		73							<0.2		0.6	
						1.0	0.4	99	22.2	22.2	8.0	8.0	31.0	31.0	95.6	95.6	7.0	7.0	11.7		11		72							<0.2		0.6	
						3.9	0.3	102	22.2		8.0	8.0	31.1	31.1	95.8	95.8	7.0	7.0	10.2		12		74							<0.2		0.6	
IM10	Cloudy	Moderate	10:37	7.8	Surface	3.9	0.4	109	22.2	22.2	8.0	8.0	31.1	31.1	95.8	95.8	7.0	7.0	10.2		12		74			822256	809817	<0.2		0.6			
						3.9	0.4	109	22.2		8.0	8.0	31.1	31.1	95.8	95.8	7.0	7.0	10.2		12		74						<0.2		0.6		
						6.8	0.2	96	22.2	22.2	8.0	8.0	31.2	31.2	97.1	97.1	7.1	7.1	9.4		12		75						<0.2		0.6		
Middle					6.8	0.2	103	22.2		8.0	8.0	31.2	31.2	97.1	97.1	7.1	7.1	9.4		13		75							<0.2		0.6		
					1.0	0.4	90	22.2	22.2	8.0	8.0	31.2	31.2	96.3	96.3	7.0	7.0	11.5		13		73							<0.2		0.6		
					1.0	0.5	96	22.2		8.0	8.0	31.2	31.2	96.3	96.3	7.0	7.0	11.5		13		73							<0.2		0.8		
Bottom					3.7	0.3	97	22.2	22.2	8.0	8.0	31.2	31.2	96.7	96.7	7.0	7.0	13.0		16		75							<0.2		0.7		
					3.7	0.4	99	22.2		8.0	8.0	31.2	31.2	96.7	96.7	7.0	7.0	13.0		15		74							<0.2		0.9		
					6.4	0.3	95	22.2	22.2	8.0	8.0	31.2	31.2	97.4	97.4	7.1	7.1	14.2		15		75							<0.2		0.7		
IM11	Cloudy	Moderate	10:47	7.4	Surface	6.4	0.3	103	22.2	22.2	8.0	8.0	31.2	31.2	97.4	97.4	7.1	7.1	14.2		14		76			821529	810525	<0.2		0.8			
						1.0	0.3	99	22.5	22.5	7.9	7.9	31.3	31.3	95.1	95.1	6.9	6.9	4.5		6		72						<0.2		0.6		
						1.0	0.3	99	22.5		7.9	7.9	31.3	31.3	95.1	95.1	6.9	6.9	4.5		6		73						<0.2		0.8		
Middle					4.2	0.4	97	22.4	22.4	7.9	7.9	31.3	31.3	96.3	96.3	7.0	7.0	5.8		6		74							<0.2		0.7		
					4.2	0.4	104	22.4		7.9	7.9	31.3	31.3	96.3	96.3	7.0	7.0	5.8		7		74							<0.2		0.6		
					7.4	0.3	101	22.3	22.3	7.9	7.9	31.4	31.4	98.9	98.9	7.2	7.2	5.4		7		75							<0.2		0.6		
Bottom					7.4	0.3	109	22.3		7.9	7.9	31.4	31.4	98.9	98.9	7.2	7.2	5.4		6		75							<0.2		0.6		
					1.0	0.3	113	22.4	22.4	7.9	7.9	31.4	31.4	96.9	96.9	7.0	7.0	6.3		8		73							<0.2		0.7		
					1.0	0.3	119	22.4		7.9	7.9	31.4	31.4	96.9	96.9	7.0	7.0	6.3		9		73							<0.2		0.7		
SR2	Cloudy	Moderate	11:20	4.3	Surface	3.3	0.2	112	22.4	22.4	7.9	7.9	31.5	31.5	99.5	99.5	7.2	7.2	7.5		9		76			821472	814171	<0.2		0.6			
						3.3	0.3	116	22.4		7.9	7.9	31.5	31.5	99.5	99.5	7.2	7.2	7.5		8		76						<0.2		0.5		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.3	0.2	112	22.4	22.4	7.9	7.9	31.5	31.5	99.5	99.5	7.2	7.2	7.5		9		76							<0.2		0.6		
					3.3	0.3	116	22.4		7.9	7.9	31.5	31.5	99.5	99.5	7.2	7.2	7.5		8		76							<0.2		0.5		
Bottom					1.0	0.3	89	22.2	22.2	8.0	8.0	30.2	30.2	96.9	96.9	7.1	7.1	11.2		11		-		-	-	-	-	-	-	-	-	-	-
					1.0	0.3	89	22.2		8.0	8.0	30.2	30.2	96.9	96.9	7.1	7.1	11.2		12		-		-	-	-	-	-	-	-	-	-	-
					4.3	0.3	53	22.1	22.1	8.0	8.0	30.3	30.3	97.0	97.0	7.1	7.1	13.7		14		-		-	-	-	-	-	-	-	-	-	-
SR3	Cloudy	Moderate	10:14	8.6	Surface	4.3	0.4	56	22.1		8.0	8.0	30.3	30.3	97.1	97.1	7.1	7.1	13.7		15		-		-	822155	807566	-	-	-	-		
						4.3	0.4	56	22.1		8.0	8.0	30.3	30.3	97.1	97.1	7.1	7.1	13.7		15		-		-	-	-	-	-	-	-	-	-
						7.6	0.3	48	22.1	22.1	8.0	8.0	30.6	30.6	98.0	98.0	7.2	7.2	16.1		13		-		-	-	-	-	-	-	-	-	-
Middle					7.6	0.3	52	22.1		8.0	8.0	30.6	30.6	98.0	98.0	7.2	7.2	16.1		14		-		-	-	-	-	-	-	-	-	-	-
					1.0	0.3	80	21.9	21.9	8.1	8.1	32.7	32.7	96.2	96.2	7.0	7.0	13.8		10		-		-	-	-	-	-	-	-	-	-	-
					1.0	0.4	80	21.9		8.1	8.1	32.7	32.7	96.2	96.2	7.0	7.0	13.8		9		-		-	-	-	-	-	-	-	-	-	-
Bottom					4.4	0.4	68	21.9	21.9	8.1	8.1	32.7	32.7	96.2	96.2	7.0	7.0	15.6		15		-		-	-	-	-	-	-	-	-	-	-
					4.4	0.4	74	21.9		8.1	8.1	32.7	32.7	96.2	96.2	7.0	7.0	15.6		13		-		-	-	-	-	-	-	-	-	-	-
					7.7	0.2	72	21.9	21.9	8.1	8.1	32.7	32.7	96.9	96.9	7.0	7.0	17.8		17		-		-	-	-	-	-	-	-	-	-	-
SR4A	Fine	Calm	11:22	8.7	Surface	7.7	0.2	77	21.9		8.1	8.1	32.7	32.7	96.9	96.9	7.0	7.0	17.8		18		-		-	817192	807826	-	-	-	-		
						1.0	0.4	80	21.9		8.1	8.1	32.7	32.7	96.2	96.2	7.0	7.0	13.8		10		-		-	-	-	-	-	-	-	-	-
						4.4	0.4	68	21.9	21.9	8.1	8.1	32.7	32.7	96.2	96.2	7.0	7.0	15.6		15		-		-	-	-	-	-	-	-	-	-
Middle					4.4	0.4	74	21.9		8.1	8.1	32.7	32.7	96.2	96.2	7.0	7.0	15.6		13		-		-	-	-	-	-	-	-	-	-	-
					7.7	0.2	72	21.9	21.9	8.1	8.1	32.7	32.7	96.9	96.9	7.0	7.0	17.8		17		-		-	-	-	-	-	-	-	-	-	-
					7.7	0.2	77	21.9		8.1	8.1	32.7	32.7	96.9	96.9	7.0	7.0	17.8		18		-		-	-	-	-	-	-	-	-	-	-
Bottom					1.0	0.1	305	22.2	22.2	8.0	8.0	32.3	32.3	95.3	95.3	6.9	6.9	8.1		7		-		-	-	-	-	-	-	-	-	-	-
					1.0	0.1	328	22.2		8.0	8.0	32.3	32.3	95.3	95.3	6.9	6.9	8.1		7		-		-	-	-	-	-	-	-	-	-	-
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR5A	Fine	Calm	11:37	4.4	Surface	3.4	0.1	327	22.2	22.2	8.0	8.0	32.3	32.3	96.5	96.5	7.0	7.0	9.2		10		-		-	816576	810673	-	-	-	-		
						3.4	0.1	331	22.2		8.0	8.0	32.3	32.3	96.5	96.5	7.0	7.0	9.2		12		-		-	-	-	-	-	-	-	-	-
						1.0	0.1	26	22.3	22.3	8.0	8.0	32.2	32.2	95.5	95.5	6.9	6.9	6.7		8		-		-	-	-	-	-	-	-	-	-
Middle					1.0	0.1	26	22.3		8.0	8.0	32.2	32.2	95.5	95.5	6.9	6.9	6.7		7													

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 December 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										
C1	Fine	Moderate	06:00	8.6	Surface	1.0	0.5	41	22.0	8.1	8.1	32.6	32.6	95.9	95.9	6.9	6.9	17.9	22	72			815649	804265	<0.2	0.5															
						1.0	0.5	41	22.0	22.0	8.1	8.1	32.6	32.6	95.9	95.9	6.9	6.9	18.1	22	72																				
						4.3	0.4	33	22.0	22.0	8.1	8.1	32.6	32.6	95.6	95.6	6.9	6.9	21.2	22	74																				
						4.3	0.4	34	22.0	22.0	8.1	8.1	32.6	32.6	95.6	95.6	6.9	6.9	21.2	22	74																				
						7.6	0.5	33	22.0	22.0	8.1	8.1	32.6	32.6	95.6	95.6	6.9	6.9	26.7	25	76																				
						7.6	0.5	35	22.0	22.0	8.1	8.1	32.6	32.6	95.6	95.6	6.9	6.9	26.7	24	77																				
C2	Cloudy	Moderate	06:44	11.8	Surface	1.0	0.3	328	22.3	22.3	7.9	7.9	29.8	29.8	93.8	93.8	6.9	6.9	10.3	8	73																				
						1.0	0.4	353	22.3	22.3	7.9	7.9	29.8	29.8	93.8	93.8	6.9	6.9	10.3	7	73																				
						5.9	0.4	345	22.4	22.4	7.9	7.9	30.2	30.2	94.7	94.7	6.9	6.9	19.4	9	73																				
						5.9	0.4	317	22.4	22.4	7.9	7.9	30.2	30.2	94.7	94.7	6.9	6.9	19.4	8	74																				
						10.8	0.3	356	22.4	22.4	7.9	7.9	30.1	30.1	95.9	95.9	7.0	7.0	18.8	8	75																				
						10.8	0.3	328	22.4	22.4	7.9	7.9	30.1	30.1	95.9	95.9	7.0	7.0	18.8	9	75																				
C3	Cloudy	Moderate	04:54	11.3	Surface	1.0	0.3	254	22.5	22.5	7.9	7.9	30.8	30.8	93.6	93.6	6.8	6.8	6.8	7	73																				
						1.0	0.3	272	22.5	22.5	7.9	7.9	30.8	30.8	93.6	93.6	6.8	6.8	6.8	6	73																				
						5.7	0.3	256	22.5	22.5	7.9	7.9	31.0	31.0	93.8	93.8	6.8	6.8	6.4	6	74																				
						5.7	0.3	261	22.5	22.5	7.9	7.9	31.0	31.0	93.8	93.8	6.8	6.8	6.4	8	75																				
						10.3	0.2	247	22.5	22.5	7.9	7.9	31.2	31.2	94.4	94.4	6.8	6.8	6.7	9	76																				
						10.3	0.2	247	22.5	22.5	7.9	7.9	31.2	31.2	94.4	94.4	6.8	6.8	6.7	9	78																				
IM1	Fine	Moderate	06:16	7.2	Surface	1.0	0.5	9	21.9	21.9	8.1	8.1	32.1	32.1	95.7	95.7	7.0	7.0	12.4	12	72																				
						1.0	0.5	9	21.9	21.9	8.1	8.1	32.1	32.1	95.7	95.7	7.0	7.0	12.4	12	72																				
						3.6	0.5	9	21.9	21.9	8.1	8.1	32.1	32.1	95.6	95.6	7.0	7.0	15.2	12	73																				
						3.6	0.5	9	21.9	21.9	8.1	8.1	32.1	32.1	95.6	95.6	7.0	7.0	15.2	12	74																				
						6.2	0.4	352	21.9	21.9	8.2	8.2	32.2	32.2	95.7	95.7	7.0	7.0	20.1	13	76																				
						6.2	0.4	324	21.9	21.9	8.2	8.2	32.2	32.2	95.7	95.7	7.0	7.0	19.8	14	76																				
IM2	Fine	Moderate	06:21	8.1	Surface	1.0	0.5	21	21.9	21.9	8.1	8.1	32.0	32.0	95.5	95.5	7.0	7.0	13.6	12	71																				
						1.0	0.5	22	21.9	21.9	8.1	8.1	32.0	32.0	95.5	95.5	7.0	7.0	13.6	11	72																				
						4.1	0.5	23	21.9	21.9	8.1	8.1	32.0	32.0	95.4	95.4	6.9	6.9	15.9	15	74																				
						4.1	0.5	23	21.9	21.9	8.1	8.1	32.0	32.0	95.4	95.4	6.9	6.9	15.9	16	74																				
						7.1	0.3	21	21.9	21.9	8.2	8.2	32.1	32.1	95.6	95.6	6.9	6.9	22.4	18	75																				
						7.1	0.3	22	21.9	21.9	8.2	8.2	32.1	32.1	95.6	95.6	6.9	6.9	22.4	19	75																				
IM3	Fine	Moderate	06:27	8.4	Surface	1.0	0.4	33	21.9	21.9	8.1	8.1	32.1	32.1	95.2	95.2	6.9	6.9	11.9	10	71																				
						1.0	0.5	34	21.9	21.9	8.1	8.1	32.1	32.1	95.2	95.2	6.9	6.9	11.9	12	71																				
						4.2	0.4	32	21.9	21.9	8.1	8.1	32.1	32.1	95.0	95.0	6.9	6.9	12.7	14	73																				
						4.2	0.4	33	21.9	21.9	8.1	8.1	32.1	32.1	95.0	95.0	6.9	6.9	12.7	15	73																				
						7.4	0.3	30	22.0	22.0	8.1	8.1	32.5	32.5	95.2	95.2	6.9	6.9	14.4	15	75																				
						7.4	0.3	31	22.0	22.0	8.1	8.1	32.5	32.5	95.2	95.2	6.9	6.9	14.4	15	76																				
IM4	Fine	Moderate	06:34	7.7	Surface	1.0	0.4	31	22.0	22.0	8.0	8.0	32.1	32.1	93.2	93.2	6.8	6.8	14.2	11	72																				
						1.0	0.4	33	22.0	22.0	8.0	8.0	32.1	32.1	93.2	93.2	6.8	6.8	14.2	13	72																				
						3.9	0.3	24	22.0	22.0	8.0	8.0	32.1	32.1	93.7	93.7	6.8	6.8	17.9	12	74																				
						3.9	0.3	25	22.0	22.0	8.0	8.0	32.1	32.1	93.7	93.7	6.8	6.8	17.9	12	74																				
						6.7	0.3	19	22.0	22.0	8.0	8.0	32.1	32.1	94.9	94.9	6.9	6.9	26.3	16	76																				
						6.7	0.3	19	22.0	22.0	8.0	8.0	32.1	32.1	94.9	94.9	6.9	6.9	26.1	18	76																				
IM5	Fine	Moderate	06:44	7.0	Surface	1.0	0.5	356	21.9	21.9	8.1	8.1	32.1	32.1	94.9	94.9	6.9	6.9	13.6	11	72																				
						1.0	0.5	328	21.9	21.9	8.1	8.1	32.1	32.1	94.9	94.9	6.9	6.9	13.6	10	72																				
						3.5	0.5	353	21.9	21.9	8.1	8.1	32.2	32.2	95.2	95.2	6.9	6.9	20.0	14	74																				
						3.5	0.5	353	21.9	21.9	8.1	8.1	32.2	32.2	95.2	95.2	6.9	6.9	20.0	13	7																				

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

Water Quality Monitoring Results on **05 December 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	13:52	8.9	Surface	<u>1.0</u>	0.1	131	<u>21.7</u>	21.7	8.1	8.1	<u>32.7</u>	32.7	<u>95.6</u>	95.6	6.9	6.9	16.5	19.0	20	73	75	815626	804272	<u><0.2</u>	0.7	<0.2	0.6							
						<u>1.0</u>	0.2	139	21.7		8.1	8.1	32.7	32.7	<u>95.5</u>	95.6	6.9		16.8		20	74				<u><0.2</u>	0.6									
						4.5	0.0	114	21.7		8.1	8.1	32.7	32.7	<u>95.3</u>	95.4	6.9		18.8		21	75				<u><0.2</u>	0.9									
					Middle	<u>4.5</u>	0.0	120	21.7	8.1	8.1	32.7	32.7	<u>95.4</u>	95.4	6.9	18.8	19	75	<u><0.2</u>	0.6															
						7.9	0.0	351	21.7	8.1	8.1	32.7	32.7	<u>96.1</u>	96.2	7.0	21.4	25	75	<u><0.2</u>	0.4															
						<u>7.9</u>	0.0	323	21.7	8.1	8.1	32.7	32.7	<u>96.3</u>	96.2	7.0	21.6	26	77	<u><0.2</u>	0.7															
						1.0	0.3	36	21.9	7.9	7.9	29.4	29.4	<u>93.8</u>	93.8	6.9	19.8	19	72	<u><0.2</u>	0.7															
C2	Cloudy	Moderate	12:39	11.8	Surface	<u>1.0</u>	0.3	38	21.9	21.9	7.9	7.9	29.4	29.4	<u>93.8</u>	93.8	6.9	6.9	19.8	22.2	18	72	73	825699	806943	<u><0.2</u>	0.8	<0.2	0.6							
						<u>5.9</u>	0.2	35	21.9		7.9	7.9	29.6	29.6	<u>93.9</u>	93.9	6.9		22.2		21	73				<u><0.2</u>	0.6									
						5.9	0.2	35	21.9		7.9	7.9	29.6	29.6	<u>93.9</u>	93.9	6.9		22.2		19	73				<u><0.2</u>	0.7									
					10.8	0.2	16	21.9	8.0	8.0	30.1	30.1	<u>94.5</u>	94.5	7.0	24.5	19	74	<u><0.2</u>	0.8																
					<u>10.8</u>	0.2	16	21.9	8.0	8.0	30.1	30.1	<u>94.5</u>	94.5	7.0	24.5	20	74	<u><0.2</u>	0.8																
C3	Cloudy	Moderate	14:19	11.7	Surface	<u>1.0</u>	0.5	106	22.2	22.2	7.9	7.9	30.5	30.5	90.4	90.4	6.6	6.6	10.4	15.3	7	73	75	822098	817811	<u><0.2</u>	0.4	<0.2	0.4							
						<u>1.0</u>	0.5	110	22.2		7.9	7.9	30.5	30.5	90.4	90.4	6.6		10.4		8	73				<u><0.2</u>	0.4									
						5.9	0.4	90	22.2		7.9	7.9	30.5	30.5	91.0	91.0	6.6		14.4		11	75				<u><0.2</u>	0.3									
					Middle	<u>5.9</u>	0.4	91	22.2	7.9	7.9	30.5	30.5	91.0	91.0	6.6	14.4	9	75	<u><0.2</u>	0.3															
						10.7	0.3	82	22.2	7.9	7.9	30.4	30.4	93.7	93.7	6.8	21.1	13	77	<u><0.2</u>	0.6															
						<u>10.7</u>	0.4	84	22.2	7.9	7.9	30.4	30.4	93.7	93.7	6.8	21.1	11	76	<u><0.2</u>	0.5															
						1.0	0.1	218	21.5	21.5	8.1	8.1	32.0	32.0	94.5	94.6	6.9	19.5	19	74	<u><0.2</u>	0.4														
IM1	Cloudy	Calm	13:34	7.6	Surface	<u>1.0</u>	0.1	225	21.5	21.5	8.1	8.1	32.0	32.0	94.6	94.6	6.9	6.9	19.8	21.4	20	74	75	818338	806455	<u><0.2</u>	0.4	<0.2	0.6							
						<u>3.8</u>	0.1	84	21.6		8.1	8.1	32.4	32.4	94.9	94.9	6.9		20.1		21	75				<u><0.2</u>	0.6									
						3.8	0.1	89	21.6		8.1	8.1	32.4	32.4	94.9	94.9	6.9		20.3		23	75				<u><0.2</u>	0.6									
					6.6	0.1	108	21.6	21.6	8.1	8.1	32.6	32.6	95.9	96.1	7.0	24.3	26	77	<u><0.2</u>	0.4															
					<u>6.6</u>	0.1	113	21.6	21.6	8.1	8.1	32.6	32.6	96.3	96.1	7.0	24.3	26	77	<u><0.2</u>	0.6															
IM2	Cloudy	Moderate	13:26	8.6	Surface	<u>1.0</u>	0.1	71	21.6	21.6	8.1	8.1	32.6	32.6	94.6	94.6	6.9	6.9	20.1	21.6	21	73	75	818878	806175	<u><0.2</u>	1.3	<0.2	1.5							
						<u>1.0</u>	0.1	71	21.6		8.1	8.1	32.6	32.6	94.6	94.6	6.9		20.4		20	74				<u><0.2</u>	1.4									
						4.3	0.1	80	21.6		8.1	8.1	32.6	32.6	94.6	94.6	6.9		21.7		20	75				<u><0.2</u>	1.4									
					Middle	<u>4.3</u>	0.1	86	21.6	21.6	8.1	8.1	32.6	32.6	94.6	94.6	6.9	21.8	20	75	<u><0.2</u>	1.3														
						7.6	0.1	97	21.6	21.6	8.1	8.1	32.6	32.6	95.0	95.1	6.9	22.7	25	76	<u><0.2</u>	1.4														
						<u>7.6</u>	0.1	105	21.6	21.6	8.1	8.1	32.6	32.6	95.2	95.1	6.9	22.7	25	76	<u><0.2</u>	1.9														
						1.0	0.2	121	21.6	21.6	8.1	8.1	32.6	32.6	94.6	94.6	6.9	21.6	20	73	<u><0.2</u>	0.5														
IM3	Cloudy	Moderate	13:16	8.8	Surface	<u>1.0</u>	0.2	127	21.6	21.6	8.1	8.1	32.6	32.6	94.6	94.6	6.9	6.9	21.4	21.0	19	73	75	819401	805996	<u><0.2</u>	0.5	<0.2	0.5							
						<u>4.4</u>	0.3	77	21.6		8.1	8.1	32.6	32.6	94.8	94.9	6.9		20.1		22	75				<u><0.2</u>	0.6									
						4.4	0.3	82	21.6		8.1	8.1	32.6	32.6	94.9	94.9	6.9		20.1		21	75				<u><0.2</u>	0.7									
					7.8	0.2	76	21.6	21.6	8.1	8.1	32.6	32.6	95.7	96.0	7.0	21.1	23	76	<u><0.2</u>	1.4															
					<u>7.8</u>	0.2	82	21.6	21.6	8.1	8.1	32.6	32.6	96.2	96.0	7.0	21.5	23	77	<u><0.2</u>	1.1															
IM4	Cloudy	Moderate	13:09	8.1	Surface	<u>1.0</u>	0.2	144	21.5	21.5	8.0	8.0	31.9	31.9	93.7	93.7	6.9	6.9	19.1	20.2	20	73	75	819540	805047	<u><0.2</u>	0.4	<0.2	0.5							
						<u>1.0</u>	0.2	152	21.5		8.0	8.0	31.9	31.9	93.7	93.7	6.9		19.1		20	73				<u><0.2</u>	0.4									
						4.1	0.2	82	21.6		21.6	8.1	8.1	32.3	32.3	93.6	93.7		6.8		20.2	21				75	<u><0.2</u>		0.5							
					Middle	<u>4.1</u>	0.2	87	21.6	21.6	8.1	8.1	32.3	32.3	93.7	93.7	6.9	20.2	19	75	<u><0.2</u>	0.5														
						7.1	0.1	71	21.6	21.6	8.1	8.1	32.5	32.5	94.1	94.2	6.9	21.2	22	76	<u><0.2</u>	0.8														
						<u>7.1</u>	0.1	73	21.6	21.6	8.1	8.1	32.5	32.5	94.2	94.2	6.9	21.1	21	76	<u><0.2</u>	0.9														
						1.0	0.2	70	21.4	21.4	8.0	8.0	32.0	32.0	94.1	94.1	6.9	20.8	15	72	<u><0.2</u>	1.2														
IM5	Cloudy	Moderate	13:00	7.1	Surface	<u>1.0</u>	0.2	71	21.4	21.4	8.0	8.0	31.9	32.0	94.1	94.1	6.9	6.9	20.8	23.0	15	72	74	820573	804907	<u><0.2</u>	1.3	<0.2	1.1							
						<u>3.6</u>	0.2	41	21.5		8.1	8.1	32.3	32.3	94.2	94.2	6.9		22.3		14	72				<u><0.2</u>	1.2									
						3.6	0.2	42	21.5		8.1	8.1	32.3	32.3	94.2	94.2	6.9		22.3		16	73				<u><0.2</u>	1.3									
					6.1	0.1	97	21.6	21.6	8.1	8.1	32.4	32.4	94.7	94.9	6.9	25.7	20	76	<u><0.2</u>	0.8															
					<u>6.1</u>	0.1	97	21.6	21.6	8.1	8.1	32.4	32.4	95.1	94.9	7.0	25.8	22	76	<u><0.2</u>	0.8															
IM6	Cloudy	Moderate	12:51	7.5	Surface	<u>1.0</u>	0.0	351	21.4	21.4	8.1	8.1	31.8	31.8	93.7	93.7	6.9	6.9	21.3	21.7	16	72	73	821083	805810	<u><0.2</u>	1.0	<0.2	0.9							
						<u>1.0</u>	0.0	323	21.4		8.1	8.1	31.9	31.8	93.7	93.7	6.9		21.3		16	72				<u><0.2</u>	1.0									
						3.8	0.2	19	21.4		8.1	8.1	31.9	31.9	93.8	93.9	6.9		20.1		16	73				<u><0.2</u>	0.8									
					Middle	<u>3.8</u>	0.2	20	21.4	21.4	8.1	8.1	31.9	31.9	93.9	93.9	6.9	20.6	18	73	<u><0.2</u>	0.7														
						6.5	0.3	51	21.5	21.5	8.1	8.1	32.3	32.3	94.8	95.0	6.9	23.5	18	75	<u><0.2</u>	0.8														
						<u>6.5</u>	0.3	53	21.5	21.5	8.1	8.1	32.3	32.3	95.1	95.0	7.0	23.4	18	75	<u><0.2</u>	0.8														
						1.0	0.1	67	21.4	21.4	8.1	8.1	31.9	31.9	94.0	94.0	6.9	17.1	18	71	<u><0.2</u>	0.2														
IM7	Cloudy	Rough	12:42	8.9	Surface	<u>1.0</u>	0.2	70	21.4	21.4	8.1	8.1	31.9	31.9	94.0	94.0	6.9	6.9	17.6	20.1	17	72	73	821365	806806	<u><0.2</u>	0.2	<0.2	0.6							
						<u>4.5</u>	0.1	53	21.4		8.1	8.1	31.9	31.9	93.8	93.9	6.9		18.8		16	73				<u><0.2</u>	0.5									
						4.5	0.1	53	21.4		21.4	8.1	8.1	31.9	31.9	93.9	93.9		6.9		18.9	18				73	<u><0.2</u>		0.6							
					7.9	0.1	81	21.4	21.4	8.1	8.1	31.9	31.9	94.6	94.7	7.0	24.3	18	75	<u><0.2</u>	0.8															
					<u>7.9</u>	0.1	82	21.4	21.4	8.1	8.1	31.9	31.9	94.7	94.7	7.0	24.1	18	75	<u><0.2</u>	1.0															
IM8	Cloudy	Moderate	13:04	8.3	Surface	<u>1.0</u>	0.3	88	21.7	21.7	7.9	7.9	30.7	30.7	95.2	95.2	7.0	7.0	18.7	23.3	11	73	74	821700	807854	<u><0.2</u>	0.6	<0.2	0.6							
						<u>1.0</u>	0.3	92	21.7		7.9	7.9	30.7	30.7	95.2	95.2	7.0		18.7		10	73				<u><0.2</u>	0.7									
						4.2	0.3	86	21.7		21.7	7.9	7.9	30.7	30.7	95.6	95.6		7.0		22.4	10				73	<u><0.2</u>		0.6							
					Middle	<u>4.2</u>	0.3	94	21.7	21.7	7.9	7.9	30.7	30.7	95.6	95.6	7.0	22.4	11	74</																

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 December 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	Value	Value	Value
IM9	Cloudy	Moderate	13:11	7.4	Surface	1.0	0.4	79	21.7	21.7	7.9	7.9	30.7	30.7	95.2	95.2	7.0	7.0	19.3	21.9	12	14	73	74	822095	808817	<0.2	0.6	0.6				
						1.0	0.4	85	21.7		7.9	7.9	30.7	30.7	95.2	95.2	7.0		19.3		11		72				<0.2	0.7					
					Middle	3.7	0.4	80	21.8	21.8	7.9	7.9	30.8	30.8	95.9	95.9	7.0	7.0	22.1	7.0	22.1	11	74	<0.2	0.6	74	822095	808817		<0.2	0.6		
						3.7	0.4	85	21.8		7.9	7.9	30.8	30.8	95.9	95.9	7.0		22.1		10	73	<0.2	0.6									
					Bottom	6.4	0.3	84	21.8	21.8	7.9	7.9	30.9	30.9	97.6	97.6	7.2	7.2	24.3	7.2	24.3	19	74	<0.2	0.6	74	822095	808817		<0.2	0.6		
						6.4	0.3	87	21.8		7.9	7.9	30.9	30.9	97.6	97.6	7.2		24.3		18	75	<0.2	0.7									
IM10	Cloudy	Moderate	13:18	7.4	Surface	1.0	0.4	102	22.0	22.0	8.0	8.0	30.8	30.8	94.7	94.7	6.9	7.0	11.2	15.4	9	10	73	74	822213	809859	<0.2	0.8	0.7				
						1.0	0.4	104	22.0		8.0	8.0	30.8	30.8	94.7	94.7	6.9		11.2		10		72				<0.2	0.9					
					Middle	3.7	0.4	99	21.9	21.9	8.0	8.0	30.9	30.9	95.3	95.3	7.0	7.0	14.2	7.0	14.2	10	74	<0.2	0.8	74	822213	809859		<0.2	0.6		
						3.7	0.4	102	21.9		8.0	8.0	30.9	30.9	95.3	95.3	7.0		14.2		9	74	<0.2	0.6									
					Bottom	6.4	0.3	104	21.9	21.9	8.0	8.0	30.9	30.9	96.5	96.5	7.1	7.1	20.7	7.1	20.7	12	75	<0.2	0.6	75	822213	809859		<0.2	0.6		
						6.4	0.3	104	21.9		8.0	8.0	30.9	30.9	96.5	96.5	7.1		20.7		10	75	<0.2	0.6									
IM11	Cloudy	Moderate	13:29	7.1	Surface	1.0	0.5	109	21.9	21.9	8.0	8.0	30.9	30.9	94.7	94.7	6.9	7.0	16.1	17.9	14	14	73	74	821505	810536	<0.2	0.4	0.5				
						1.0	0.5	113	21.9		8.0	8.0	30.9	30.9	94.7	94.7	6.9		16.1		14		73				<0.2	0.5					
					Middle	3.6	0.4	108	21.9	21.9	8.0	8.0	30.9	30.9	95.0	95.0	7.0	7.0	17.7	7.0	17.7	14	74	<0.2	0.5	74	821505	810536		<0.2	0.4		
						3.6	0.4	109	21.9		8.0	8.0	30.9	30.9	95.0	95.0	7.0		17.7		12	73	<0.2	0.5									
					Bottom	6.1	0.4	107	21.9	21.9	8.0	8.0	31.0	31.0	95.9	95.9	7.0	7.0	20.0	7.0	20.0	15	75	<0.2	0.5	75	821505	810536		<0.2	0.7		
						6.1	0.5	116	21.9		8.0	8.0	31.0	31.0	95.9	95.9	7.0		20.0		17	75	<0.2	0.6									
IM12	Cloudy	Moderate	13:36	9.3	Surface	1.0	0.5	113	22.0	22.0	8.0	8.0	31.0	31.0	95.1	95.1	7.0	7.0	12.6	14.6	11	14	73	74	821166	811522	<0.2	0.6	0.6				
						1.0	0.6	117	22.0		8.0	8.0	31.0	31.0	95.1	95.1	7.0		12.6		12		73				<0.2	0.5					
					Middle	4.7	0.4	116	22.0	22.0	8.0	8.0	31.1	31.1	95.6	95.6	7.0	7.0	15.3	7.0	15.3	14	74	<0.2	0.7	74	821166	811522		<0.2	0.6		
						4.7	0.5	127	22.0		8.0	8.0	31.1	31.1	95.6	95.6	7.0		15.3		15	74	<0.2	0.7									
					Bottom	8.3	0.4	111	22.0	22.0	8.0	8.0	31.1	31.1	97.0	97.0	7.1	7.1	15.9	7.1	15.9	15	75	<0.2	0.5	75	821166	811522		<0.2	0.6		
						8.3	0.4	112	22.0		8.0	8.0	31.1	31.1	97.0	97.0	7.1		15.9		14	75	<0.2	0.6									
SR2	Cloudy	Moderate	13:59	3.6	Surface	1.0	0.3	98	22.1	22.1	7.9	7.9	30.6	30.6	95.4	95.4	7.0	7.0	15.4	13.9	12	16	73	74	821482	814159	<0.2	0.5	0.5				
						1.0	0.4	99	22.1		7.9	7.9	30.6	30.6	95.4	95.4	7.0		15.4		14		73				<0.2	0.6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	2.6	0.2	97	22.1	22.1	7.9	7.9	30.6	30.6	96.9	96.9	7.1	7.1	12.4	7.1	12.4	18	75	<0.2	0.5	75	821482	814159		<0.2	0.5		
						2.6	0.2	102	22.1		7.9	7.9	30.6	30.6	96.9	96.9	7.1		12.4		19	75	<0.2	0.4									
SR3	Cloudy	Moderate	13:00	9.1	Surface	1.0	0.4	79	21.7	21.7	7.9	7.9	30.5	30.5	94.6	94.6	7.0	7.0	18.9	22.0	12	17	-	-	822117	807584	-	-	-				
						1.0	0.4	83	21.7		7.9	7.9	30.5	30.5	94.6	94.6	7.0		18.9		12		-				-						
					Middle	4.6	0.5	73	21.7	21.7	7.9	7.9	30.6	30.6	94.7	94.7	7.0	7.0	21.4	7.0	21.4	13	-	-	-	-	-	-		-	-	-	
						4.6	0.5	79	21.7		7.9	7.9	30.6	30.6	94.7	94.7	7.0		21.4		12	-	-	-	-								
					Bottom	8.1	0.3	69	21.7	21.7	7.9	7.9	30.7	30.7	95.2	95.2	7.0	7.0	25.6	7.0	25.6	26	-	-	-	-	-	-		-	-	-	
						8.1	0.3	72	21.7		7.9	7.9	30.7	30.7	95.2	95.2	7.0		25.6		24	-	-	-	-								
SR4A	Cloudy	Moderate	14:19	9.3	Surface	1.0	0.4	77	21.5	21.5	8.1	8.1	31.8	31.8	94.9	94.9	7.0	7.0	14.3	18.7	14	17	-	-	817209	807802	-	-	-				
						1.0	0.4	82	21.5		8.1	8.1	31.9	31.9	94.9	94.9	7.0		14.3		14		-				-						
					Middle	4.7	0.3	80	21.5	21.5	8.1	8.1	31.9	31.9	94.6	94.6	6.9	7.0	20.2	7.0	20.2	17	-	-	-	-	-	-		-	-	-	
						4.7	0.3	81	21.5		8.1	8.1	31.9	31.9	94.6	94.6	6.9		20.1		19	-	-	-	-								
					Bottom	8.3	0.3	90	21.5	21.5	8.1	8.1	32.0	32.0	96.1	96.1	7.0	7.1	21.4	7.1	21.4	19	-	-	-	-	-	-		-	-	-	
						8.3	0.3	90	21.5		8.1	8.1	32.0	32.0	96.4	96.4	7.1		21.4		20	-	-	-	-								
SR5A	Cloudy	Calm	14:34	3.1	Surface	1.0	0.1	330	21.8	21.8	8.1	8.1	32.2	32.2	97.6	97.7	7.1	7.1	10.1	9.9	9	12	-	-	816569	810717	-	-	-				
						1.0	0.1	304	21.8		8.1	8.1	32.2	32.2	97.8	97.7	7.1		10.2		10		-				-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
					Bottom	2.1	0.1	319	21.8	21.8	8.1	8.1	32.2	32.2	98.4	98.5	7.2	7.2	9.7	7.2	9.7	14	-	-	-	-	-	-		-	-	-	
						2.1	0.1	335	21.8		8.1	8.1	32.2	32.2	98.5	98.5	7.2		9.7		13	-	-	-	-								
SR6	Cloudy	Calm	14:57	4.2	Surface	1.0	0.1	54	21.9	21.9	8.1	8.1	32.2	32.2	94.5	94.5	6.9	6.9	8.2	9.8	8	8	-	-	817913	814645	-	-	-				
						1.0	0.1	54	21.9		8.1	8.1	32.2	32.2	94.4	94.4	6.9		8.0		8		-				-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
					Bottom	3.2	0.1	43	21.8	21.8	8.1	8.1	32.2	32.2	94.0	94.0	6.8	6.8	11.1	6.8	11.1	8	-	-	-	-	-	-		-	-	-	
						3.2	0.1	46	21.8		8.1	8.1	32.2	32.2	94.1	94.1	6.8		12.0		8	-	-	-	-								
SR7	Cloudy	Moderate	14:45	16.4	Surface	1.0	0.4	9																									

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

Water Quality Monitoring Results on 05 December 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
C1	Cloudy	Moderate	08:49	8.1	Surface	1.0	0.6	41	21.5	21.5	8.1	8.1	32.0	32.0	93.9	93.9	6.9	6.9	21.7	25.0	29	73	74	815603	804248	<0.2	0.6	<0.2	0.6	
						1.0	0.6	43	21.5	8.1	8.1	32.0	32.0	93.9	93.9	6.9	6.9	21.8	25.0	29	73	74	815603	804248	<0.2	0.7	<0.2	0.5		
					Middle	4.1	0.5	41	21.5	21.5	8.1	8.1	32.0	32.0	93.8	93.8	6.9	6.9	24.8	25.0	28	74	74	815603	804248	<0.2	0.5	<0.2	0.8	
						4.1	0.5	44	21.5	21.5	8.1	8.1	32.0	32.0	93.8	93.8	6.9	6.9	24.8	25.0	28	74	74	815603	804248	<0.2	0.8	<0.2	0.5	
					Bottom	7.1	0.6	42	21.5	21.5	8.1	8.1	32.0	32.0	94.1	94.1	6.9	6.9	28.6	25.0	32	76	76	815603	804248	<0.2	0.5	<0.2	0.6	
						7.1	0.6	44	21.5	21.5	8.1	8.1	32.0	32.0	94.2	94.2	6.9	6.9	28.2	25.0	34	76	76	815603	804248	<0.2	0.6	<0.2	0.6	
C2	Cloudy	Moderate	09:25	11.7	Surface	1.0	0.4	340	22.0	22.0	7.9	7.9	30.1	30.1	92.1	92.1	6.8	6.8	18.9	21.4	17	72	74	825667	806943	<0.2	1.0	<0.2	1.0	
						1.0	0.5	354	22.0	22.0	7.9	7.9	30.1	30.1	92.1	92.1	6.8	6.8	18.9	21.4	16	73	74	825667	806943	<0.2	1.0	<0.2	1.0	
					Middle	5.9	0.5	352	22.1	22.1	7.9	7.9	30.1	30.1	92.8	92.8	6.8	6.8	17.6	21.4	17	74	74	825667	806943	<0.2	1.3	<0.2	1.0	
						5.9	0.5	353	22.1	22.1	7.9	7.9	30.1	30.1	92.8	92.8	6.8	6.8	17.6	21.4	18	73	74	825667	806943	<0.2	1.0	<0.2	1.2	
					Bottom	10.7	0.4	2	22.1	22.1	7.9	7.9	30.2	30.2	94.0	94.0	6.9	6.9	27.8	21.4	26	74	74	825667	806943	<0.2	1.2	<0.2	1.2	
						10.7	0.5	2	22.1	22.1	7.9	7.9	30.2	30.2	94.0	94.0	6.9	6.9	27.8	21.4	24	75	75	825667	806943	<0.2	1.4	<0.2	1.4	
C3	Cloudy	Moderate	07:44	11.1	Surface	1.0	0.5	237	22.1	22.1	7.9	7.9	30.3	30.3	95.2	95.2	7.0	7.0	17.2	19.9	15	74	75	822131	817807	<0.2	0.5	<0.2	0.4	
						1.0	0.5	254	22.1	22.1	7.9	7.9	30.3	30.3	95.2	95.2	7.0	7.0	17.2	19.9	14	73	75	822131	817807	<0.2	0.5	<0.2	0.4	
					Middle	5.6	0.4	238	22.1	22.1	7.9	7.9	30.5	30.5	95.9	95.9	7.0	7.0	19.8	19.9	14	75	75	822131	817807	<0.2	0.6	<0.2	0.6	
						5.6	0.4	248	22.1	22.1	7.9	7.9	30.5	30.5	95.9	95.9	7.0	7.0	19.8	19.9	15	75	75	822131	817807	<0.2	0.5	<0.2	0.6	
					Bottom	10.1	0.4	242	22.0	22.0	7.9	7.9	30.7	30.7	98.3	98.3	7.2	7.2	22.8	19.9	16	77	77	822131	817807	<0.2	0.5	<0.2	0.5	
						10.1	0.4	260	22.0	22.0	7.9	7.9	30.7	30.7	98.3	98.3	7.2	7.2	22.8	19.9	15	78	78	822131	817807	<0.2	0.5	<0.2	0.5	
IM1	Cloudy	Moderate	09:06	7.1	Surface	1.0	0.5	9	21.4	21.4	8.1	8.1	31.9	31.9	94.1	94.1	6.9	6.9	19.5	22.0	19	72	73	818357	806473	<0.2	0.6	<0.2	0.7	
						1.0	0.6	9	21.4	21.4	8.1	8.1	31.9	31.9	94.0	94.0	6.9	6.9	19.6	22.0	17	72	73	818357	806473	<0.2	0.7	<0.2	0.7	
					Middle	3.6	0.6	12	21.5	21.5	8.1	8.1	31.9	31.9	93.7	93.7	6.9	6.9	21.9	22.0	21	73	73	818357	806473	<0.2	0.8	<0.2	0.7	
						3.6	0.6	13	21.5	21.5	8.1	8.1	31.9	31.9	93.7	93.7	6.9	6.9	21.8	22.0	22	73	73	818357	806473	<0.2	0.8	<0.2	0.8	
					Bottom	6.1	0.4	11	21.5	21.5	8.1	8.1	31.9	31.9	93.8	93.8	6.9	6.9	24.5	22.0	26	75	75	818357	806473	<0.2	0.7	<0.2	0.7	
						6.1	0.5	12	21.5	21.5	8.1	8.1	31.9	31.9	94.0	94.0	6.9	6.9	24.5	22.0	24	75	75	818357	806473	<0.2	0.6	<0.2	0.6	
IM2	Cloudy	Moderate	09:16	8.1	Surface	1.0	0.6	26	21.6	21.6	8.1	8.1	32.0	32.0	93.1	93.2	6.8	6.8	22.8	24.1	19	72	73	818868	806209	<0.2	0.9	<0.2	1.1	
						1.0	0.6	26	21.6	21.6	8.1	8.1	32.0	32.0	93.2	93.2	6.8	6.8	22.6	24.1	20	72	73	818868	806209	<0.2	1.1	<0.2	1.1	
					Middle	4.1	0.5	21	21.6	21.6	8.1	8.1	32.0	32.0	93.0	93.1	6.8	6.8	23.8	24.1	24	73	73	818868	806209	<0.2	0.9	<0.2	0.9	
						4.1	0.6	22	21.6	21.6	8.1	8.1	32.0	32.0	93.1	93.1	6.8	6.8	23.9	24.1	23	73	73	818868	806209	<0.2	1.0	<0.2	1.0	
					Bottom	7.1	0.4	20	21.6	21.6	8.1	8.1	32.0	32.0	93.3	93.4	6.8	6.8	25.6	24.1	30	75	75	818868	806209	<0.2	0.7	<0.2	0.7	
						7.1	0.5	21	21.6	21.6	8.1	8.1	32.0	32.0	93.4	93.4	6.8	6.8	25.8	24.1	29	75	75	818868	806209	<0.2	0.6	<0.2	0.6	
IM3	Cloudy	Moderate	09:23	8.0	Surface	1.0	0.5	16	21.6	21.6	8.1	8.1	32.0	32.0	92.7	92.7	6.8	6.8	19.3	20.7	22	71	73	819424	805993	<0.2	0.9	<0.2	0.9	
						1.0	0.5	17	21.6	21.6	8.1	8.1	32.0	32.0	92.7	92.7	6.8	6.8	19.8	20.7	22	71	73	819424	805993	<0.2	1.1	<0.2	0.9	
					Middle	4.0	0.6	27	21.7	21.7	8.1	8.1	32.0	32.0	92.6	92.6	6.8	6.8	20.4	20.7	24	73	73	819424	805993	<0.2	0.9	<0.2	1.1	
						4.0	0.6	28	21.7	21.7	8.1	8.1	32.0	32.0	92.6	92.6	6.8	6.8	20.1	20.7	23	73	73	819424	805993	<0.2	0.9	<0.2	0.9	
					Bottom	7.0	0.5	37	21.7	21.7	8.1	8.1	32.0	32.0	93.1	93.2	6.8	6.8	22.4	20.7	36	75	75	819424	805993	<0.2	0.4	<0.2	0.4	
						7.0	0.5	38	21.7	21.7	8.1	8.1	32.0	32.0	93.3	93.3	6.8	6.8	22.2	20.7	38	75	75	819424	805993	<0.2	0.6	<0.2	0.6	
IM4	Cloudy	Moderate	09:31	7.4	Surface	1.0	0.6	1	21.4	21.4	8.0	8.0	31.7	31.7	93.5	93.5	6.9	6.9	20.7	22.8	19	72	74	819584	805038	<0.2	1.1	<0.2	0.9	
						1.0	0.6	1	21.4	21.4	8.0	8.0	31.7	31.7	93.5	93.5	6.9	6.9	20.8	22.8	18	72	74	819584	805038	<0.2	0.9	<0.2	0.9	
					Middle	3.7	0.6	11	21.4	21.4	8.0	8.0	31.8	31.8	93.3	93.3	6.9	6.9	22.1	22.8	20	73	74	819584	805038	<0.2	0.8	<0.2	0.8	
						3.7	0.6	11	21.4	21.4	8.0	8.0	31.8	31.8	93.3	93.3	6.9	6.9	22.1	22.8	19	73	74	819584	805038	<0.2	0.8	<0.2	0.8	
					Bottom	6.4	0.5	10	21.6	21.6	8.1	8.1	32.0	32.0	92.9	93.0	6.8	6.8	25.5	22.8	27	77	77	819584	805038	<0.2	0.8	<0.2	0.8	
						6.4	0.5	10	21.6	21.6	8.1	8.1	32.0	32.0	93.1	93.0	6.8	6.8	25.8	22.8	28	77	77	819584	805038	<0.2	0.8	<0.2	0.8	
IM5	Cloudy	Moderate	09:41	6.7	Surface	1.0	0.6	35	21.6	21.6	8.1	8.1	32.0	32.0	93.0	93.0	6.8	6.8	18.6	22.0	18	72	75	820552	804911	<0.2	1.0	<0.2	0.9	
						1.0	0.6	37	21.6	21.6	8.1	8.1	32.0	32.0	93.0	93.0	6.8	6.8	18.7	22.0	18	72	75	820552	804911	<0.2	0.9	<0.2	0.9	
					Middle	3.4	0.6	37	21.6	21.6	8.1	8.1	32.0	32.0	92.9	92.9	6.8	6.8	22.9	22.0	17	75	75	820552	804911	<0.2	0.9	<0.2	0.9	
						3.4	0.6	38	21.6	21.6	8.1	8.1	32.0	32.0	92.9	92.9	6.8	6.8	22.9	22.0	19	75	75	820552	804911	<0.2	0.9	<0.2	0.9	
					Bottom	5.7	0.6	24	21.6	21.6	8.1	8.1	32.0	32.0	93.0	93.0	6.8													

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 December 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	Cloudy	Moderate	15:24	8.4	Surface	1.0	0.1	199	21.7	21.7	8.1	8.1	31.5	31.5	91.5	91.5	6.7	6.7	12.3	13.9	14	15	73	75	815605	804244	<u><0.2</u>	1.6	<0.2	1.2		
						1.0	0.1	211	21.6		8.1	8.1	31.5	31.5	91.5	91.5	6.7		12.5		13		74				<0.2	1.4				
					Middle	4.2	0.1	233	21.6	21.6	8.1	8.1	31.5	31.5	92.1	92.0	6.7	6.8	11.5	6.8	11.6	12	13	15	75	75	815605	804244	<u><0.2</u>	1.2	<0.2	0.9
						4.2	0.1	236	21.6		8.1	8.1	31.5	31.5	92.1	92.0	6.8		11.5		12		75		<0.2				1.3			
					Bottom	7.4	0.1	256	21.6	21.6	8.1	8.1	32.1	32.1	91.2	91.3	6.7	6.7	17.6	6.7	17.6	19	18	19	76	76	815605	804244	<u><0.2</u>	1.0	<0.2	1.0
						7.4	0.1	266	21.6		8.1	8.1	32.1	32.1	91.4	91.3	6.7		17.8		19		76		<0.2				1.0			
C2	Fine	Moderate	14:08	11.6	Surface	1.0	0.0	296	22.3	22.3	8.1	8.1	31.4	31.4	92.3	92.3	6.7	6.8	8.7	10.6	8	12	71	73	825694	806949	<u><0.2</u>	1.7	<0.2	1.5		
						1.0	0.0	306	22.2		8.1	8.1	31.4	31.4	92.2	92.3	6.7		9.0		8		71				<0.2	1.8				
					Middle	5.8	0.2	36	22.1	22.1	8.1	8.1	31.4	31.4	92.6	92.7	6.8	6.8	10.9	6.8	10.9	12	11	12	73	73	825694	806949	<u><0.2</u>	1.5	<0.2	1.7
						5.8	0.2	37	22.1		8.1	8.1	31.4	31.4	92.8	92.7	6.8		10.9		12		73		<0.2				1.9			
					Bottom	10.6	0.3	55	22.2	22.2	8.2	8.2	31.6	31.6	94.1	94.2	6.8	6.8	12.1	6.8	12.1	16	16	16	75	75	825694	806949	<u><0.2</u>	1.6	<0.2	1.5
						10.6	0.3	58	22.2		8.2	8.2	31.5	31.5	94.3	94.2	6.8		12.1		16		75		<0.2				1.5			
C3	Fine	Moderate	15:50	12.0	Surface	1.0	0.4	92	21.8	21.8	8.2	8.2	32.7	32.7	89.5	89.6	6.5	6.5	15.6	13.4	12	14	71	73	822115	817815	<u><0.2</u>	0.7	<0.2	0.7		
						1.0	0.4	99	21.8		8.2	8.2	32.7	32.7	89.6	89.6	6.5		17.0		13		71				<0.2	0.7				
					Middle	6.0	0.4	93	21.8	21.8	8.2	8.2	32.7	32.6	89.9	89.9	6.5	6.5	10.6	6.5	10.6	14	14	14	73	73	822115	817815	<u><0.2</u>	0.8	<0.2	0.8
						6.0	0.4	93	21.8		8.2	8.2	32.6	32.6	89.9	89.9	6.5		10.9		12		73		<0.2				0.8			
					Bottom	11.0	0.4	93	21.8	21.8	8.2	8.2	32.7	32.7	91.0	91.1	6.6	6.6	13.1	6.6	13.1	16	16	17	74	75	822115	817815	<u><0.2</u>	0.9	<0.2	0.8
						11.0	0.4	101	21.8		8.2	8.2	32.7	32.7	91.1	91.1	6.6		13.0		17		75		<0.2				0.8			
IM1	Cloudy	Moderate	15:05	7.3	Surface	1.0	0.2	79	21.6	21.6	8.1	8.1	31.6	31.6	91.9	91.9	6.7	6.7	12.2	14.1	14	16	73	75	818348	806428	<u><0.2</u>	1.4	<0.2	1.4		
						1.0	0.2	81	21.6		8.1	8.1	31.6	31.6	91.9	91.9	6.7		12.3		14		73				<0.2	1.4				
					Middle	3.7	0.1	70	21.5	21.5	8.1	8.1	31.6	31.7	91.8	91.8	6.7	6.7	13.1	6.7	13.1	15	15	16	75	75	818348	806428	<u><0.2</u>	1.7	<0.2	1.4
						3.7	0.1	73	21.5		8.1	8.1	31.7	31.7	91.8	91.8	6.7		13.1		15		76		<0.2				1.4			
					Bottom	6.3	0.1	239	21.5	21.5	8.1	8.1	32.1	32.1	92.0	92.1	6.7	6.8	17.1	6.8	17.1	18	17	18	76	76	818348	806428	<u><0.2</u>	1.2	<0.2	1.2
						6.3	0.1	259	21.5		8.1	8.1	32.1	32.1	92.1	92.1	6.8		17.0		18		76		<0.2				1.2			
IM2	Cloudy	Moderate	14:53	8.3	Surface	1.0	0.2	75	21.5	21.5	8.1	8.1	31.5	31.5	92.0	92.0	6.8	6.9	11.7	14.6	14	17	73	75	818879	806198	<u><0.2</u>	1.8	<0.2	1.8		
						1.0	0.3	76	21.5		8.1	8.1	31.5	31.5	92.0	92.0	6.8		11.6		14		73				<0.2	1.8				
					Middle	4.2	0.1	50	21.5	21.5	8.1	8.1	31.6	31.6	93.2	93.3	6.9	6.9	13.6	6.9	13.6	15	15	16	75	75	818879	806198	<u><0.2</u>	1.7	<0.2	1.7
						4.2	0.1	53	21.4		8.1	8.1	31.6	31.6	93.4	93.3	6.9		13.7		15		76		<0.2				1.8			
					Bottom	7.3	0.1	333	21.4	21.4	8.1	8.1	32.1	32.1	91.4	91.6	6.7	6.7	18.6	6.7	18.6	21	21	22	76	76	818879	806198	<u><0.2</u>	1.4	<0.2	1.3
						7.3	0.1	306	21.4		8.1	8.1	32.1	32.1	91.7	91.6	6.7		18.2		22		76		<0.2				1.4			
IM3	Cloudy	Moderate	14:46	8.5	Surface	1.0	0.2	118	21.5	21.5	8.1	8.1	31.6	31.6	92.3	92.3	6.8	6.8	11.4	12.5	11	13	73	75	819415	806011	<u><0.2</u>	1.4	<0.2	1.4		
						1.0	0.2	121	21.5		8.1	8.1	31.6	31.6	92.3	92.3	6.8		11.3		12		74				<0.2	1.4				
					Middle	4.3	0.1	18	21.5	21.5	8.1	8.1	31.6	31.6	91.8	91.8	6.7	6.7	11.1	6.7	11.1	13	13	14	75	75	819415	806011	<u><0.2</u>	2.6	<0.2	2.5
						4.3	0.1	19	21.5		8.1	8.1	31.7	31.6	91.7	91.8	6.7		11.1		13		75		<0.2				1.5			
					Bottom	7.5	0.0	144	21.4	21.4	8.1	8.1	32.0	32.0	92.5	92.7	6.8	6.8	15.0	6.8	15.0	14	14	14	76	76	819415	806011	<u><0.2</u>	1.5	<0.2	1.4
						7.5	0.0	147	21.3		8.1	8.1	32.0	32.0	92.8	92.8	6.8		14.8		14		76		<0.2				1.4			
IM4	Cloudy	Moderate	14:38	7.7	Surface	1.0	0.2	95	21.4	21.4	8.1	8.1	31.5	31.5	91.0	91.1	6.7	6.8	12.6	17.6	14	15	74	75	819569	805050	<u><0.2</u>	2.0	<0.2	1.9		
						1.0	0.2	102	21.4		8.1	8.1	31.5	31.4	91.1	91.7	6.7		12.7		13		74				<0.2	2.0				
					Middle	3.9	0.1	19	21.4	21.4	8.1	8.1	31.4	31.4	91.6	91.7	6.8	6.8	23.6	6.8	23.5	14	15	15	75	75	819569	805050	<u><0.2</u>	2.0	<0.2	1.9
						3.9	0.1	19	21.4		8.1	8.1	31.4	31.4	91.7	91.7	6.8		23.5		14		75		<0.2				2.0			
					Bottom	6.7	0.1	327	21.3	21.3	8.1	8.1	31.6	31.6	91.5	91.7	6.7	6.8	16.5	6.8	16.5	18	18	18	76	76	819569	805050	<u><0.2</u>	1.6	<0.2	1.6
						6.7	0.1	329	21.3		8.1	8.1	31.6	31.6	91.9	91.7	6.8		16.5		17		77		<0.2				1.7			
IM5	Cloudy	Moderate	14:29	7.0	Surface	1.0	0.1	59	21.3	21.3	8.1	8.1	31.5	31.5	91.1	91.2	6.7	6.8	15.6	19.9	17	23	73	75	820537	804926	<u><0.2</u>	1.6	<0.2	1.5		
						1.0	0.1	59	21.3		8.1	8.1	31.5	31.5	91.2	91.2	6.7		15.1		18		73				<0.2	1.5				
					Middle	3.5	0.1	24	21.3	21.3	8.1	8.1	31.6	31.6	92.2	92.3	6.8	6.8	16.8	6.8	16.9	20	19	20	76	76	820537	804926	<u><0.2</u>	1.5	<0.2	1.5
						3.5	0.1	25	21.3		8.1	8.1	31.6	31.6	92.4	92.3	6.8		16.9		20		76		<0.2				1.5			
					Bottom	6.0	0.1	25	21.3	21.3	8.1	8.1	31.8	31.8	90.7	90.7	6.7	6.7	27.1	6.7	27.1	30	31	30	77	77	820537	804926	<u><0.2</u>	1.7	<0.2	1.7
						6.0	0.1	26	21.3		8.1	8.1	31.8	31.8	90.8	90.8	6.7		27.6		30		77		<0.2				1.7			
IM6	Cloudy	Moderate	14:20	6.9	Surface	1.0	0.1	44	21.5	21.5	8.1	8.1	31.8	31.8	91.1	91.1	6.7	6.7	18.2	19.5	22	23	71	74	821058	805810	<u><0.2</u>	1.6	<0.2	1.4		
						1.0	0.1	48	21.5		8.1																					

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

Water Quality Monitoring Results on **07 December 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	Fine	Moderate	14:37	7.3	Surface	1.0	0.3	86	21.6	21.6	8.3	8.3	32.3	32.2	92.3	92.3	6.7	6.7	12.7	16.0	15	72	822116	808818	<0.2	1.2	<0.2	1.1										
						1.0	0.3	86	21.6		8.3	8.3	32.2	32.2	92.3	92.3	6.7	6.7	12.8		14	71			<0.2	1.1												
					Middle	3.7	0.2	78	21.6	8.3	8.3	32.3	32.3	92.1	92.1	6.7	6.7	12.8	14	71	<0.2	1.1																
						3.7	0.2	85	21.6	8.3	8.3	32.3	32.3	92.1	92.1	6.7	6.7	12.8	14	73	<0.2	1.1																
					Bottom	6.3	0.2	88	21.6	8.2	8.2	32.2	32.1	92.6	92.7	6.8	6.8	22.5	23	75	<0.2	1.0																
						6.3	0.2	88	21.6	8.2	8.2	32.1	32.1	92.8	92.7	6.8	6.8	22.4	23	75	<0.2	0.9																
IM10	Fine	Moderate	14:45	7.3	Surface	1.0	0.4	102	21.7	21.7	8.3	8.3	32.1	32.1	91.3	91.3	6.7	6.7	13.3	15.3	16	71	822262	809837	<0.2	1.0	<0.2	1.0										
						1.0	0.4	104	21.7		8.3	8.3	32.1	32.0	91.3	91.3	6.7	6.7	13.4		16	71			<0.2	1.1												
					Middle	3.7	0.4	101	21.6	8.3	8.3	32.0	32.0	91.5	91.5	6.7	6.7	14.2	16	73	<0.2	1.0																
						3.7	0.4	108	21.6	8.3	8.3	32.0	32.0	91.5	91.5	6.7	6.7	14.2	16	74	<0.2	1.1																
					Bottom	6.3	0.3	104	21.6	8.2	8.2	32.1	32.1	92.1	92.1	6.7	6.7	17.2	18	75	<0.2	0.9																
						6.3	0.3	109	21.6	8.2	8.2	32.1	32.1	92.3	92.2	6.7	6.7	19.5	18	75	<0.2	1.0																
IM11	Fine	Moderate	14:54	8.2	Surface	1.0	0.4	98	21.7	21.7	8.2	8.2	32.0	32.0	91.0	91.0	6.6	6.6	14.4	20.5	15	72	821519	810519	<0.2	1.1	<0.2	1.2										
						1.0	0.4	101	21.7		8.2	8.2	32.0	32.0	91.0	91.0	6.6	6.6	14.0		17	71			<0.2	1.1												
					Middle	4.1	0.3	90	21.7	8.2	8.2	31.9	31.9	91.0	91.0	6.6	6.6	18.0	26	73	<0.2	1.2																
						4.1	0.3	97	21.7	8.2	8.2	31.9	31.9	91.0	91.0	6.6	6.6	18.3	24	73	<0.2	1.4																
					Bottom	7.2	0.2	86	21.7	8.2	8.2	32.1	32.1	91.7	91.8	6.7	6.7	29.1	29	75	<0.2	1.2																
						7.2	0.2	92	21.7	8.2	8.2	32.1	32.1	91.8	91.8	6.7	6.7	29.2	27	75	<0.2	1.2																
IM12	Fine	Moderate	15:03	9.0	Surface	1.0	0.4	103	21.8	21.8	8.2	8.2	32.0	32.0	91.6	91.6	6.7	6.7	16.5	15.6	19	71	821190	811491	<0.2	1.2	<0.2	1.2										
						1.0	0.4	112	21.8		8.2	8.2	32.0	32.0	91.6	91.6	6.7	6.7	16.4		18	71			<0.2	1.3												
					Middle	4.5	0.3	103	21.7	8.2	8.2	32.0	32.0	91.9	91.9	6.7	6.7	16.4	20	73	<0.2	1.2																
						4.5	0.3	110	21.7	8.2	8.2	32.0	32.0	91.9	91.9	6.7	6.7	16.8	19	73	<0.2	1.3																
					Bottom	8.0	0.3	105	21.7	8.2	8.2	32.2	32.2	92.7	92.8	6.8	6.8	13.7	18	75	<0.2	1.2																
						8.0	0.3	107	21.7	8.2	8.2	32.2	32.2	92.9	92.8	6.8	6.8	13.7	18	75	<0.2	1.2																
SR2	Fine	Moderate	15:27	4.0	Surface	1.0	0.3	104	21.7	21.7	8.2	8.2	32.5	32.5	91.8	91.9	6.7	6.7	9.2	12.6	12	71	821439	814145	<0.2	1.0	<0.2	0.9										
						1.0	0.3	108	21.7		8.2	8.2	32.5	32.5	91.9	91.9	6.7	6.7	8.9		12	71			<0.2	1.0												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			14	-			-	72	821439	814145	<0.2	-	<0.2	0.8		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-			-				-	-			-	-
					Bottom	3.0	0.2	116	21.6	8.2	8.2	32.4	32.4	92.5	92.7	6.8	6.8	16.1	15	73	<0.2	0.8																
						3.0	0.2	118	21.6	8.2	8.2	32.4	32.4	92.8	92.7	6.8	6.8	16.3	16	73	<0.2	0.8																
SR3	Fine	Moderate	14:24	9.4	Surface	1.0	0.3	91	21.7	21.7	8.2	8.2	32.1	32.1	91.1	91.1	6.6	6.6	15.2	16.2	17	-	822132	807582	-	-	<0.2	-										
						1.0	0.3	93	21.7		8.2	8.2	32.1	32.1	91.1	91.1	6.7	6.7	15.1		17	-			<0.2	-												
					Middle	4.7	0.3	77	21.7	8.2	8.2	32.0	32.0	91.4	91.5	6.7	6.7	15.9	19	-	-																	
						4.7	0.3	84	21.7	8.2	8.2	32.0	32.0	91.5	91.5	6.7	6.7	15.9	19	-	-																	
					Bottom	8.4	0.2	64	21.8	8.2	8.2	32.1	32.1	92.4	92.5	6.7	6.8	17.4	18	-	-																	
						8.4	0.2	67	21.8	8.2	8.2	32.1	32.1	92.6	92.6	6.8	6.8	17.4	20	-	-																	
SR4A	Cloudy	Moderate	15:48	9.2	Surface	1.0	0.4	74	21.5	21.5	8.1	8.1	32.0	32.0	92.0	92.0	6.7	6.7	11.8	14.7	13	-	817205	807785	-	-	<0.2	-										
						1.0	0.4	80	21.5		8.1	8.1	32.0	32.0	92.0	92.0	6.7	6.7	12.2		13	-			-													
					Middle	4.6	0.3	68	21.6	8.1	8.1	32.1	32.1	92.1	92.1	6.7	6.7	15.1	15	-	-																	
						4.6	0.3	69	21.6	8.1	8.1	32.1	32.1	92.1	92.1	6.7	6.7	15.3	15	-	-																	
					Bottom	8.2	0.3	65	21.5	8.1	8.1	32.3	32.3	91.8	91.9	6.7	6.7	16.9	20	-	-																	
						8.2	0.3	70	21.5	8.1	8.1	32.3	32.3	92.0	91.9	6.7	6.7	16.9	18	-	-																	
SR5A	Cloudy	Calm	16:03	5.0	Surface	1.0	0.1	336	21.4	21.4	8.1	8.1	32.5	32.5	92.2	92.3	6.7	6.7	10.3	10.1	13	-	816609	810716	-	-	<0.2	-										
						1.0	0.1	353	21.4		8.1	8.1	32.5	32.5	92.3	92.3	6.8	6.8	10.4		14	-			-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			19	-			-	816609	810716	<0.2	-	<0.2	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-			-			-	-			-	-	-
					Bottom	4.0	0.1	332	21.5	8.2	8.2	32.5	32.5	93.0	93.2	6.8	6.8	9.7	25	-	-																	
						4.0	0.1	354	21.5	8.2	8.2	32.5	32.5	93.4	93.2	6.8	6.8	9.8	24	-	-																	
SR6	Cloudy	Calm	16:26	3.9	Surface	1.0	0.1	58	21.9	21.9	8.2	8.2	32.6	32.6	94.1	94.1	6.8	6.8	7.4	7.4	10	-	817899	814647	-	-	<0.2	-										
						1.0	0.1	63	21.9		8.2	8.2	32.6	32.6	94.1	94.1	6.8	6.8	7.5		10	-			-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			10	-			-	817899	814647	<0.2	-	<0.2	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-			-			-	-			-	-	-
					Bottom	2.9	0.1	53	22.0	8.2	8.2	32.5	32.5	94.2	94.2	6.8	6.8	7.3	11	-	-																	
						2.9	0.1	54	22.0	8.2	8.2	32.5	32.5	94.2	94.2	6.8	6.8	7.2	10	-	-																	
SR7	Fine	Moderate	16:33	19.2	Surface	1.0	0.3	130	21.8	21.8	8.2	8.2	32.7	32.7	89.1	89.1	6.5	6.5	13.0	13.2	14	-	823631	823721	-	-	<0.2	-										
						1.0	0.3	139	21.8		8.2	8.2	32.7	32.7	89.1	89.1	6.5	6.5	13.5		13	-			-													
					Middle	9.6	0.1	143	21.8	8.2	8.2	32.8	32.8	89.3	89.3	6.5	6.5	11.5	17	-	-																	
						9.6	0.1	144	21.8	8.2	8.2	32.8	32.8	89.2	89.3	6.5	6.5	11.5	15	-	-																	
					Bottom	18.2	0.0	240	21.8	8.2	8.2	32.7	32.8	91.0	91.1	6.6	6.6	14.8	15	-	-																	
						18.2	0.0	249	21.8	8.2	8.2	32.8	32.8	91.2	91.1	6.6	6.6	14.6	17	-	-																	
SR8	Fine	Moderate	15:10	3.8	Surface	1.0	-	-	21.7	21.7	8.2	8.2	32.1	32.1	92.7	92.8	6.8	6.8	21.2	17.3	12	-	820246	811418	-	-	<0.2	-										
						1.0	-	-	21.7		8.2	8.2	32.1	32.1	92.8	92.8	6.8	6.8	21.2		11	-																

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

Water Quality Monitoring Results on 07 December 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	10:27	8.1	Surface	1.0	0.6	38	21.3	21.3	8.1	8.1	31.9	31.9	91.2	91.2	6.7	6.7	17.4	20	73	73	815623	804245	<0.2	<0.2	1.2	1.2	
						1.0	0.6	41	21.2	21.3	8.1	8.1	31.9	31.9	91.2	91.2	6.7	6.7	17.4	20	73	73			<0.2	<0.2	1.1	1.1	
						4.1	0.7	35	21.3	21.3	8.1	8.1	31.9	31.9	90.9	90.9	6.7	6.7	19.3	22	74	74			<0.2	<0.2	1.3	1.3	
					Middle	4.1	0.8	38	21.3	21.3	8.1	8.1	31.9	31.9	90.9	90.9	6.7	6.7	19.3	24	74	74			<0.2	<0.2	1.2	1.2	
						7.1	0.6	33	21.3	21.3	8.1	8.1	32.1	32.1	91.2	91.2	6.7	6.7	24.3	36	76	76			<0.2	<0.2	1.0	1.0	
						7.1	0.6	36	21.3	21.3	8.1	8.1	32.1	32.1	91.5	91.4	6.7	6.7	24.4	38	76	76			<0.2	<0.2	1.1	1.1	
C2	Fine	Moderate	11:01	11.4	Surface	1.0	0.2	334	21.5	21.5	8.1	8.1	30.9	30.9	90.3	90.3	6.7	6.7	10.2	8	72	72	825675	806927	<0.2	<0.2	2.4	2.4	
						1.0	0.2	355	21.5	21.5	8.1	8.1	30.9	30.9	90.2	90.3	6.7	6.7	10.2	9	72	72			<0.2	<0.2	2.3	2.3	
						5.7	0.3	346	21.5	21.5	8.1	8.1	31.0	31.0	89.7	89.7	6.6	6.6	10.9	14	74	74			<0.2	<0.2	2.2	2.2	
					Middle	5.7	0.3	346	21.5	21.5	8.1	8.1	31.0	31.0	89.6	89.6	6.6	6.6	10.9	14	74	74			<0.2	<0.2	2.4	2.4	
						10.4	0.4	8	21.5	21.5	8.2	8.2	31.2	31.2	89.6	89.7	6.6	6.6	20.5	22	76	76			<0.2	<0.2	1.7	1.7	
						10.4	0.4	8	21.5	21.5	8.2	8.2	31.2	31.2	89.7	89.7	6.6	6.6	20.5	24	76	76			<0.2	<0.2	1.8	1.8	
C3	Fine	Moderate	09:17	10.2	Surface	1.0	0.6	278	21.4	21.4	8.2	8.2	32.4	32.4	91.2	91.3	6.7	6.7	14.2	17	72	72	822104	817777	<0.2	<0.2	1.0	1.0	
						1.0	0.6	287	21.4	21.4	8.2	8.2	32.4	32.4	91.3	91.3	6.7	6.7	14.5	17	72	72			<0.2	<0.2	1.2	1.2	
						5.1	0.5	279	21.4	21.4	8.2	8.2	32.4	32.4	92.0	92.1	6.7	6.7	15.7	20	74	74			<0.2	<0.2	1.0	1.0	
					Middle	5.1	0.5	301	21.4	21.4	8.2	8.2	32.4	32.4	92.1	92.1	6.8	6.8	15.6	20	74	74			<0.2	<0.2	1.0	1.0	
						9.2	0.4	281	21.3	21.3	8.2	8.2	32.5	32.5	94.7	94.9	6.9	6.9	23.2	32	76	76			<0.2	<0.2	0.9	0.9	
						9.2	0.4	284	21.2	21.3	8.2	8.2	32.5	32.5	95.0	94.9	7.0	7.0	22.0	33	77	77			<0.2	<0.2	1.0	1.0	
IM1	Cloudy	Moderate	10:44	7.0	Surface	1.0	0.5	11	21.4	21.4	8.3	8.3	32.3	32.3	90.6	90.6	6.6	6.6	17.8	21	73	73	818356	806459	<0.2	<0.2	1.1	1.1	
						1.0	0.5	11	21.4	21.4	8.3	8.3	32.3	32.3	90.6	90.6	6.6	6.6	17.5	21	73	73			<0.2	<0.2	1.0	1.0	
						3.5	0.4	9	21.4	21.4	8.3	8.3	32.3	32.3	90.7	90.7	6.7	6.7	21.3	24	75	75			<0.2	<0.2	1.1	1.1	
					Middle	3.5	0.5	9	21.4	21.4	8.3	8.3	32.3	32.3	90.7	90.7	6.6	6.6	21.3	22	75	75			<0.2	<0.2	1.1	1.1	
						6.0	0.4	6	21.3	21.3	8.3	8.3	32.3	32.3	90.4	90.5	6.6	6.6	26.2	35	76	76			<0.2	<0.2	1.1	1.1	
						6.0	0.4	6	21.3	21.3	8.3	8.3	32.3	32.3	90.5	90.5	6.6	6.6	26.6	37	77	77			<0.2	<0.2	1.1	1.1	
IM2	Cloudy	Moderate	10:56	8.3	Surface	1.0	0.5	26	21.5	21.5	8.2	8.2	32.2	32.2	91.0	91.0	6.7	6.7	13.5	13	73	73	818834	806124	<0.2	<0.2	0.9	0.9	
						1.0	0.5	27	21.5	21.5	8.2	8.2	32.2	32.2	91.0	91.0	6.7	6.7	13.6	15	73	73			<0.2	<0.2	1.0	1.0	
						4.2	0.5	17	21.5	21.5	8.2	8.2	32.2	32.2	91.2	91.3	6.7	6.7	14.5	17	75	75			<0.2	<0.2	1.0	1.0	
					Middle	4.2	0.6	18	21.5	21.5	8.2	8.2	32.2	32.2	91.3	91.3	6.7	6.7	14.3	16	75	75			<0.2	<0.2	1.0	1.0	
						7.3	0.4	13	21.4	21.4	8.2	8.2	32.3	32.3	91.6	91.7	6.7	6.7	26.6	34	77	77			<0.2	<0.2	1.0	1.0	
						7.3	0.4	13	21.4	21.4	8.2	8.2	32.3	32.3	91.7	91.7	6.7	6.7	26.7	32	77	77			<0.2	<0.2	1.0	1.0	
IM3	Cloudy	Moderate	11:03	8.1	Surface	1.0	0.5	24	21.4	21.4	8.2	8.2	32.3	32.3	91.3	91.2	6.7	6.7	14.9	20	73	73	819429	806036	<0.2	<0.2	0.9	0.9	
						1.0	0.5	25	21.4	21.4	8.2	8.2	32.3	32.3	91.1	91.1	6.7	6.7	14.7	18	73	73			<0.2	<0.2	0.8	0.8	
						4.1	0.5	32	21.6	21.6	8.2	8.2	32.2	32.2	90.9	91.0	6.7	6.7	22.6	24	73	73			<0.2	<0.2	0.9	0.9	
					Middle	4.1	0.5	32	21.6	21.6	8.2	8.2	32.2	32.2	91.1	91.1	6.7	6.7	22.4	25	74	74			<0.2	<0.2	0.8	0.8	
						7.1	0.4	22	21.4	21.4	8.2	8.2	32.2	32.2	90.6	90.6	6.6	6.6	26.8	36	77	77			<0.2	<0.2	0.9	0.9	
						7.1	0.4	22	21.4	21.4	8.2	8.2	32.2	32.2	90.5	90.5	6.6	6.6	26.8	36	77	77			<0.2	<0.2	0.9	0.9	
IM4	Cloudy	Moderate	11:12	7.5	Surface	1.0	0.5	11	21.5	21.5	8.1	8.1	32.2	32.2	90.3	90.3	6.6	6.6	18.0	19	73	73	819590	805025	<0.2	<0.2	1.1	1.1	
						1.0	0.5	11	21.5	21.5	8.1	8.1	32.2	32.2	90.3	90.3	6.6	6.6	18.0	21	73	73			<0.2	<0.2	1.1	1.1	
						3.8	0.5	10	21.5	21.5	8.1	8.1	32.2	32.2	90.4	90.5	6.6	6.6	20.9	23	75	75			<0.2	<0.2	0.8	0.8	
					Middle	3.8	0.5	10	21.5	21.5	8.1	8.1	32.2	32.2	90.6	90.6	6.6	6.6	20.9	23	75	75			<0.2	<0.2	0.7	0.7	
						6.5	0.4	9	21.4	21.4	8.1	8.1	32.1	32.1	91.6	91.7	6.7	6.7	27.7	33	76	76			<0.2	<0.2	0.9	0.9	
						6.5	0.4	9	21.3	21.4	8.1	8.1	32.2	32.2	91.8	91.7	6.7	6.7	27.9	34	77	77			<0.2	<0.2	1.0	1.0	
IM5	Cloudy	Moderate	11:25	6.4	Surface	1.0	0.4	20	21.6	21.6	8.1	8.1	32.1	32.1	90.3	90.4	6.6	6.6	19.8	32	72	72	820588	804935	<0.2	<0.2	0.9	0.9	
						1.0	0.5	20	21.6	21.6	8.1	8.1	32.1	32.1	90.4	90.4	6.6	6.6	19.6	32	72	72			<0.2	<0.2	0.9	0.9	
						3.2	0.5	28	21.6	21.6	8.1	8.1	32.1	32.1	90.2	90.2	6.6	6.6	20.3	31	73	73			<0.2	<0.2	0.9	0.9	
					Middle	3.2	0.5	28	21.6	21.6	8.1	8.1	32.1	32.1	90.2	90.2	6.6	6.6	20.3	30	73	73			<0.2	<0.2	1.0	1.0	
						5.4	0.4	20	21.6	21.6	8.1	8.1	32.1	32.1	90.0	90.0	6.6	6.6	25.5	38	77	77			<0.2	<0.2	0.9	0.9	
						5.4	0.4	21	21.6	21.6	8.1	8.1	32.1	32.1	90.0	90.0	6.6	6.6	25.4	38	77	77			<0.2	<0.2	1.0	1.0	
IM6	Cloudy	Moderate	11:32	6.7	Surface	1.0	0.3	20	21.6	21.6	8.2	8.2	32.1	32.1	90.1	90.1	6.6	6.6	20.7	30	72	72	821062	805841	<0.2	<0.2	1.1	1.1	
						1.0	0.4	21	21.6	21.6	8.2	8.2	32.1	32.1	90.1	90.1	6.6	6.6	20.7	28	72	72			<0.2	<0.2	0.9	0.9	
						3.4	0.3	25	21.6	21.6	8.2	8.2	32.0	32.0	90.1	90.2	6.6	6.6	21.5	31	73	73			<0.2	<0.2	1.2	1.2	
					Middle	3.4	0.4	27	21.6	21.6	8.2	8.2	32.0	32.0	90.2	90.2	6.6	6.6	21.5	32	73	73			<0.2	<0.2	1.2	1.2	
						5.7	0.3	13	21.6	21.6	8.2	8.2	32.0	32.0	90.2	90.4	6.6	6.6	23.8	37	75	75			<0.2	<0.2	1.1	1.1	
						5.7	0.3	14	21.6	21.6	8.2	8.2	32.0	32.0	90.5	90.4	6.6	6.6	23.8	38	75	75			<0.2	<0.2	1.0	1.0	
IM7	Cloudy	Moderate	11:41	8.3	Surface	1.0	0.5	36	21.3	21.3	8.2	8.2	32.2	32.2	91.2	91.3	6.7	6.7	17.2	16	72	72	821333	806828	<0.2	<0.2	1.4	1.4	
						1.0	0.5	39	21.3	21.3	8.2	8.2	32.2	32.2	91.3	91.3	6.7	6.7	17.2	16	72	72							

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	10:27	7.0	Surface	1.0	0.2	339	21.5	21.5	8.1	8.1	31.5	31.5	90.1	90.1	6.6	6.6	22.7	19	20	72	72	822069	808792	<0.2	<0.2	1.2	1.2					
						1.0	0.2	351	21.5	8.1	8.1	31.5	31.5	90.1	90.1	6.6	6.6	22.7	20	72	72													
						3.5	0.2	342	21.5	8.1	8.1	31.5	31.5	90.8	90.9	6.7	6.7	20.6	21	73	73													
					Middle	3.5	0.2	342	21.5	8.1	8.1	31.5	31.5	91.0	90.9	6.7	6.7	20.6	21	74	74	74												
						6.0	0.2	1	21.5	8.2	8.2	31.5	31.5	91.9	92.0	6.8	6.8	16.8	19	76	76													
						6.0	0.2	1	21.5	8.2	8.2	31.5	31.5	92.1	92.0	6.8	6.8	15.2	20	76	76													
IM10	Fine	Moderate	10:20	6.5	Surface	1.0	0.5	308	21.5	21.5	8.1	8.1	31.2	31.3	90.4	90.5	6.7	6.7	20.8	17	19	72	72	822213	809865	<0.2	<0.2	1.2	1.2					
						1.0	0.5	330	21.5	8.1	8.1	31.4	31.3	90.5	90.5	6.7	6.7	20.8	19	72	72													
						3.3	0.5	310	21.5	8.1	8.1	31.4	31.8	91.0	91.1	6.7	6.7	19.7	18	74	74													
					Middle	3.3	0.5	337	21.5	8.1	8.1	31.8	31.8	91.2	91.1	6.7	6.7	19.5	19	74	74													
						5.5	0.4	312	21.4	8.2	8.2	31.9	32.0	92.2	92.3	6.8	6.8	21.5	21	76	76													
						5.5	0.4	313	21.3	8.2	8.2	32.0	32.0	92.4	92.3	6.8	6.8	22.1	22	76	76													
IM11	Fine	Moderate	10:09	7.0	Surface	1.0	0.5	287	21.4	21.4	8.2	8.2	31.9	31.9	90.9	90.9	6.7	6.7	17.7	15	17	72	72	821519	810545	<0.2	<0.2	1.1	1.1					
						1.0	0.5	311	21.4	8.2	8.2	31.9	31.9	90.9	90.9	6.7	6.7	17.5	15	72	72													
						3.5	0.4	292	21.4	8.2	8.2	32.0	32.0	90.7	90.7	6.7	6.7	20.1	17	74	74													
					Middle	3.5	0.5	292	21.4	8.2	8.2	32.0	32.0	90.7	90.7	6.7	6.7	20.1	17	74	74													
						6.0	0.3	292	21.5	8.2	8.2	32.0	32.0	90.8	90.9	6.7	6.7	16.9	16	79	79													
						6.0	0.3	303	21.5	8.2	8.2	32.0	32.0	90.9	90.9	6.7	6.7	16.8	16	78	78													
IM12	Fine	Moderate	10:02	7.2	Surface	1.0	0.5	282	21.4	21.4	8.2	8.2	32.2	32.2	91.2	91.3	6.7	6.7	14.0	14	15	72	72	821148	811545	<0.2	<0.2	0.9	0.8					
						1.0	0.5	284	21.4	8.2	8.2	32.2	32.2	91.3	91.3	6.7	6.7	14.1	15	72	72													
						3.6	0.5	281	21.4	8.2	8.2	32.2	32.2	91.9	92.0	6.7	6.7	14.5	17	73	73													
					Middle	3.6	0.5	281	21.4	8.2	8.2	32.2	32.2	92.1	92.0	6.8	6.8	14.3	18	74	74													
						6.2	0.4	280	21.3	8.2	8.2	32.3	32.3	93.0	93.1	6.8	6.8	20.8	21	75	75													
						6.2	0.4	281	21.2	8.2	8.2	32.3	32.3	93.2	93.1	6.9	6.9	20.6	23	76	76													
SR2	Fine	Moderate	09:39	3.8	Surface	1.0	0.3	325	21.2	21.2	8.2	8.2	32.4	32.4	91.2	91.2	6.7	6.7	20.3	23	21	72	72	821466	814182	<0.2	<0.2	1.4	1.2					
						1.0	0.3	332	21.2	8.2	8.2	32.4	32.4	91.2	91.2	6.7	6.7	20.4	21	72	72													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						2.8	0.2	327	21.3	8.2	8.2	32.4	32.4	91.9	92.0	6.8	6.8	22.6	29	74	74													
2.8	0.2	333	21.3	8.2	8.2	32.4	32.4	92.0	92.0	6.8	6.8	22.2	31	74	74																			
SR3	Fine	Moderate	10:43	8.5	Surface	1.0	0.2	348	21.6	21.6	8.1	8.1	31.4	31.4	90.1	90.2	6.6	6.6	15.3	18	-	-	-	-	822117	807596	-	-	-	-				
						1.0	0.2	320	21.6	8.1	8.1	31.4	31.4	90.2	90.2	6.6	6.6	15.3	20	-	-	-	-											
						4.3	0.3	7	21.6	8.1	8.1	31.5	31.5	90.4	90.5	6.6	6.6	16.2	18	-	-	-	-											
					Middle	4.3	0.3	7	21.6	8.1	8.1	31.5	31.5	90.5	90.5	6.6	6.6	16.0	19	-	-	-	-											
						7.5	0.3	1	21.6	8.2	8.2	31.3	31.3	91.4	91.5	6.7	6.7	16.7	20	-	-	-	-											
						7.5	0.3	1	21.5	8.2	8.2	31.3	31.3	91.6	91.6	6.7	6.7	17.0	19	-	-	-	-											
SR4A	Cloudy	Calm	10:05	8.2	Surface	1.0	0.2	248	21.2	21.2	8.1	8.1	32.5	32.5	90.7	90.7	6.7	6.7	11.8	15	-	-	-	-	817167	807783	-	-	-	-				
						1.0	0.2	268	21.2	8.1	8.1	32.5	32.5	90.7	90.7	6.7	6.7	11.7	14	-	-	-	-											
						4.1	0.1	252	21.2	8.1	8.1	32.5	32.5	91.2	91.3	6.7	6.7	17.6	16	-	-	-	-											
					Middle	4.1	0.1	264	21.3	8.1	8.1	32.5	32.5	91.4	91.4	6.7	6.7	17.9	16	-	-	-	-											
						7.2	0.1	233	21.3	8.1	8.1	32.4	32.4	91.3	91.5	6.7	6.7	17.9	21	-	-	-	-											
						7.2	0.1	240	21.3	8.1	8.1	32.4	32.4	91.6	91.6	6.7	6.7	18.1	19	-	-	-	-											
SR5A	Cloudy	Calm	09:49	3.8	Surface	1.0	0.4	302	21.2	21.2	8.2	8.2	32.6	32.6	91.8	91.9	6.7	6.8	13.8	18	-	-	-	-	816589	810693	-	-	-	-				
						1.0	0.4	307	21.1	8.2	8.2	32.6	32.6	91.9	91.9	6.8	6.8	13.7	18	-	-	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						2.8	0.3	306	21.1	8.2	8.2	32.4	32.4	93.5	93.6	6.9	6.9	16.9	22	-	-	-	-											
2.8	0.4	332	21.1	8.2	8.2	32.4	32.4	93.7	93.6	6.9	6.9	16.9	24	-	-	-	-																	
SR6	Cloudy	Moderate	09:25	3.5	Surface	1.0	0.2	247	21.5	21.5	8.0	8.0	32.5	32.5	89.5	89.6	6.5	6.5	15.0	23	-	-	-	-	817886	814641	-	-	-	-				
						1.0	0.2	247	21.4	8.0	8.0	32.5	32.5	89.6	89.6	6.6	6.6	14.9	21	-	-	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
						2.5	0.1	270	21.4	8.0	8.0	32.4	32.4	89.7	89.8	6.6	6.6	21.4	27	-	-	-	-											
2.5	0.1	280	21.4	8.0	8.0	32.4	32.4	89.9	89.8	6.6	6.6	21.2	27	-	-	-	-																	
SR7	Fine	Moderate	08:51	19.1	Surface	1.0	0.2	353	21.4	21.4	8.2	8.2	32.5	32.5	91.3	91.5	6.7	6.7	16.5	18	-	-	-	-	823634	823756	-	-	-	-				
						1.0	0.2	325	21.4	8.2	8.2	32.5	32.5	91.6	91.5	6.7	6.7	15.9	17	-	-	-	-											
						9.6	0.2	12	21.4	8.2	8.2	32.5	32.5	91.1	91.2	6.7	6.7	17.4	23	-	-	-	-											
					Middle	9.6	0.2	13	21.4	8.2	8.2	32.5	32.5	91.2	91.2	6.7	6.7	17.5	23	-	-	-	-											
						18.1	0.2	9	21.3	8.1	8.1	32.6	32.5	91.0	91.1	6.7	6.7	19.3	23	-	-	-	-											
						18.1	0.2	9	21.4	8.1	8.1	32.5	32.5	91.2	91.1	6.7	6.7	19.0	23	-	-	-	-											
SR8	Fine	Moderate	09:53	3.3	Surface	1.0	-	-	21.6	21.6	8.2	8.2	31.9	31.9	90.9	90.9	6.7	6.7	18.6	17	-	-	-	-	820246	811418	-	-	-	-				
						1.0	-	-	21.6	8.2	8.2	31.9	31.9	90.9																				

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

Water Quality Monitoring Results on

09 December 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Replicate	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
										Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Misty	Moderate	16:40	7.3	1st	Surface	1.0	0.3	85	20.6	8.0	8.0	29.6	29.6	94.9	94.9	7.2	7.2	11.4	10	72	74	822097	808835	-0.2	-0.2	1.0	0.9					
							1.0	0.3	90	20.6	8.0	8.0	29.6	29.6	94.9	94.9	7.2	7.2	11.4	11	72	74	-0.2	-0.2	0.9	0.9							
					1st	Middle	3.7	0.2	79	20.6	8.0	8.0	29.7	29.7	94.8	94.8	7.2	7.1	13.3	14	73	15	74	14	73	822097	808835	-0.2	-0.2	0.9	0.9		
							3.7	0.2	86	20.6	8.0	8.1	29.7	29.8	94.8	94.8	7.2	7.1	13.4	15	74	15	74	14	73	822097	808835	-0.2	-0.2	0.9	0.9		
					2nd	Bottom	6.3	0.2	82	20.7	8.1	8.1	29.8	29.8	94.8	94.8	7.1	7.1	20.5	19	76	17	75	75	17	75	822097	808835	-0.2	-0.2	0.9	0.9	
							6.3	0.2	85	20.7	8.1	8.1	29.8	29.8	94.8	94.8	7.1	7.1	20.6	17	75	17	75	17	75	822097	808835	-0.2	-0.2	0.9	0.9		
IM10	Misty	Moderate	16:49	6.8	1st	Surface	1.0	0.3	90	21.1	8.0	8.0	29.9	29.9	93.7	93.7	7.0	7.0	11.5	14	71	14	73	822243	809822	-0.2	-0.2	1.0	1.0				
							1.0	0.3	90	21.1	8.0	8.0	29.9	29.9	93.7	93.7	7.0	7.0	11.5	12	71	14	73	14	73	822243	809822	-0.2	-0.2	1.0	1.0		
					1st	Middle	3.4	0.3	89	21.1	8.0	8.0	29.9	29.9	93.7	93.8	7.0	7.0	12.2	13	73	13	73	14	73	822243	809822	-0.2	-0.2	1.0	1.0		
							3.4	0.3	89	21.1	8.0	8.0	30.0	29.9	93.8	93.8	7.0	7.0	12.2	13	73	13	73	14	73	822243	809822	-0.2	-0.2	1.0	1.0		
					2nd	Bottom	5.8	0.2	88	21.0	8.0	8.0	30.1	30.1	94.5	94.5	7.1	7.1	11.9	14	75	14	75	15	75	822243	809822	-0.2	-0.2	1.0	1.0		
							5.8	0.2	95	21.0	8.0	8.0	30.1	30.1	94.5	94.5	7.1	7.1	12.0	15	75	15	75	15	75	822243	809822	-0.2	-0.2	1.0	1.0		
IM11	Misty	Moderate	16:59	8.1	1st	Surface	1.0	0.2	93	20.8	8.0	8.0	29.9	29.9	94.4	94.4	7.1	7.1	9.1	9	72	9	73	821476	810542	-0.2	-0.2	0.9	1.0				
							1.0	0.2	97	20.8	8.0	8.0	29.9	29.9	94.4	94.4	7.1	7.1	9.1	8	72	9	73	9	73	821476	810542	-0.2	-0.2	0.9	1.0		
					1st	Middle	4.1	0.2	89	20.8	8.0	8.0	30.0	30.0	94.4	94.4	7.1	7.1	9.6	8	73	10	73	10	73	821476	810542	-0.2	-0.2	0.9	1.0		
							4.1	0.2	96	20.8	8.0	8.0	30.0	30.0	94.4	94.4	7.1	7.1	9.7	10	73	10	73	10	73	821476	810542	-0.2	-0.2	1.1	1.0		
					2nd	Bottom	7.1	0.2	90	20.8	8.0	8.0	30.1	30.1	94.7	94.8	7.1	7.1	9.8	10	75	11	75	11	75	821476	810542	-0.2	-0.2	1.1	1.0		
							7.1	0.2	96	20.8	8.0	8.0	30.1	30.1	94.8	94.8	7.1	7.1	9.8	11	75	11	75	11	75	821476	810542	-0.2	-0.2	0.9	0.9		
IM12	Misty	Moderate	17:05	8.8	1st	Surface	1.0	0.2	79	20.8	8.0	8.0	29.9	29.9	93.0	93.0	7.0	7.0	8.4	12	72	12	74	821143	811511	-0.2	-0.2	0.9	0.9				
							1.0	0.2	84	20.8	8.0	8.0	29.9	29.9	93.0	93.0	7.0	7.0	8.2	10	71	12	74	12	74	821143	811511	-0.2	-0.2	1.0	1.0		
					1st	Middle	4.4	0.2	86	20.8	8.0	8.0	30.0	30.0	93.0	93.0	7.0	7.0	9.1	13	74	13	74	13	74	821143	811511	-0.2	-0.2	1.0	0.9		
							4.4	0.2	91	20.8	8.0	8.0	30.0	30.0	93.0	93.0	7.0	7.0	9.0	11	73	13	74	13	74	821143	811511	-0.2	-0.2	0.9	0.9		
					2nd	Bottom	7.8	0.2	93	20.8	8.0	8.0	30.1	30.1	93.7	93.8	7.0	7.0	10.2	12	75	12	75	12	75	821143	811511	-0.2	-0.2	0.9	0.8		
							7.8	0.2	95	20.8	8.0	8.0	30.1	30.1	93.8	93.8	7.0	7.0	10.3	12	75	12	75	12	75	821143	811511	-0.2	-0.2	0.8	0.8		
SR2	Misty	Moderate	17:30	4.4	1st	Surface	1.0	0.1	86	21.0	7.9	7.9	30.2	30.2	93.0	93.0	7.0	7.0	5.4	8	71	8	72	821442	814181	-0.2	-0.2	0.8	0.7				
							1.0	0.1	89	21.0	7.9	7.9	30.2	30.2	93.0	93.0	7.0	7.0	5.6	6	72	8	72	8	72	821442	814181	-0.2	-0.2	0.7	0.7		
					1st	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821442	814181	-0.2	-0.2	-	-		
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821442	814181	-0.2	-0.2	-	-	
					2nd	Bottom	3.4	0.1	97	21.0	7.9	7.9	30.4	30.4	94.6	94.7	7.1	7.1	9.4	8	73	9	73	9	73	821442	814181	-0.2	-0.2	0.8	0.9		
							3.4	0.1	99	21.0	7.9	7.9	30.4	30.4	94.7	94.7	7.1	7.1	9.4	9	73	9	73	9	73	821442	814181	-0.2	-0.2	0.8	0.9		
SR3	Misty	Moderate	16:28	9.1	1st	Surface	1.0	0.3	64	20.7	8.0	8.0	28.9	28.9	93.6	93.6	7.1	7.1	12.8	13	-	-	-	-	-	-	-	-	-				
							1.0	0.3	64	20.7	8.0	8.0	28.9	28.9	93.6	93.6	7.1	7.1	12.9	14	-	-	-	-	-	-	-	-	-	-			
					1st	Middle	4.6	0.3	60	20.7	8.0	8.0	28.9	28.9	93.6	93.6	7.1	7.1	16.3	19	-	-	-	-	-	-	-	-	-	-	-		
							4.6	0.3	62	20.7	8.0	8.0	28.9	28.9	93.6	93.6	7.1	7.1	16.4	19	-	-	-	-	-	-	-	-	-	-			
					2nd	Bottom	8.1	0.3	58	20.8	8.0	8.0	29.0	29.0	93.9	94.0	7.1	7.1	18.9	23	-	-	-	-	-	-	-	-	-	-	-		
							8.1	0.3	62	20.8	8.0	8.0	29.0	29.0	94.0	94.0	7.1	7.1	18.9	22	-	-	-	-	-	-	-	-	-	-			
SR4A	Fine	Calm	17:42	8.9	1st	Surface	1.0	0.2	73	20.4	8.2	8.2	32.1	32.1	95.2	95.2	7.1	7.1	17.3	19	-	-	-	-	-	-	-	-					
							1.0	0.2	77	20.4	8.2	8.2	32.1	32.1	95.2	95.2	7.1	7.1	17.3	18	-	-	-	-	-	-	-	-					
					1st	Middle	4.5	0.2	72	20.4	8.2	8.2	32.1	32.1	95.2	95.2	7.1	7.1	17.6	21	-	-	-	-	-	-	-	-	-				
							4.5	0.2	74	20.4	8.2	8.2	32.1	32.1	95.2	95.2	7.1	7.1	17.6	19	-	-	-	-	-	-	-	-					
					2nd	Bottom	7.9	0.2	74	20.4	8.2	8.2	32.2	32.2	95.7	95.7	7.2	7.2	19.2	21	-	-	-	-	-	-	-	-	-				
							7.9	0.2	74	20.4	8.2	8.2	32.2	32.2	95.7	95.7	7.2	7.2	19.2	21	-	-	-	-	-	-	-	-					
SR5A	Fine	Calm	17:57	4.7	1st	Surface	1.0	0.1	288	20.3	8.1	8.1	31.9	31.9	96.3	96.3	7.2	7.2	13.2	16	-	-	-	-	-	-	-	-					
							1.0	0.1	302	20.3	8.1	8.1	31.9	31.9	96.3	96.3	7.2	7.2	13.2	18	-	-	-	-	-	-	-	-					
					1st	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					2nd	Bottom	3.7	0.1	239	20.3	8.1	8.1	31.9	31.9	97.7	97.7	7.3	7.3	11.7	22	-	-	-	-	-	-	-	-	-				
							3.7	0.1	252	20.3	8.1	8.1	31.9	31.9	97.7	97.7	7.3	7.3	11.7	22	-	-	-	-	-	-	-	-					
SR6	Fine	Calm	18:18	4.7	1st	Surface	1.0	0.1	1	20.7	8.2	8.2	31.9	31.9	97.5	97.5	7.3	7.3	7.3	9	-	-	-	-	-	-	-						
							1.0	0.1	1	20.7	8.2	8.2	31.9	31.9	97.5	97.5	7.3	7.3	7.3	9	-	-	-	-	-	-	-						
					1st	Middle	-	-	-	-	-																						

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Replicate	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			
										1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd			1st	2nd	1st	2nd	1st	2nd	1st
C1	Fine	Moderate	12:13	8.2	Surface	1.0	0.3	30	<u>20.2</u>		8.2	8.2	31.8	31.8	94.2	94.2	7.1		19.8		20		73				815605	804255	<0.2	1.0				
						1.0	0.3	31	20.2	20.2	8.2	8.2	31.8	31.8	94.2	94.2	7.1	7.1	19.8		19		73		74		75	74	<0.2	1.1				
					Middle	4.1	0.4	36	20.2	20.2	8.2	8.2	31.8	31.8	94.0	94.0	7.1		21.0		19		74		74		74		74	74	<0.2	1.0		
						4.1	0.5	38	20.2	20.2	8.2	8.2	31.8	31.8	94.0	94.0	7.1		21.0		19		74		74		74		74	74	<0.2	1.0		
					Bottom	7.2	0.4	42	20.3		8.2	8.2	32.1	32.1	94.1	94.1	7.0	7.0	25.0		30		77		77		77		77		77	77	<0.2	1.0
						7.2	0.5	46	20.3	20.3	8.2	8.2	32.1	32.1	94.1	94.1	7.0	7.0	25.0		30		77		77		77		77	77	<0.2	0.9		
C2	Misty	Moderate	13:02	11.5	Surface	1.0	0.3	339	20.9		7.9	7.9	28.0	28.0	92.1	92.1	7.0		7.4		7		72				825660	806934	<0.2	1.4				
						1.0	0.3	355	20.9	20.9	7.9	7.9	28.0	28.0	92.1	92.1	7.0	7.0	7.4		6		72		74		74	74	<0.2	1.6				
					Middle	5.8	0.3	348	21.0	21.0	7.9	7.9	28.5	28.5	91.1	91.1	6.9		13.1		8		73		74		74	74	<0.2	1.3				
						5.8	0.3	353	21.0	21.0	7.9	7.9	28.5	28.5	91.1	91.1	6.9		13.2		9		74		75		75	75	<0.2	1.5				
					Bottom	10.5	0.3	358	21.0	21.0	7.9	7.9	28.9	28.9	91.5	91.5	6.9	6.9	22.6		15		75		75		75		75	75	<0.2	1.4		
						10.5	0.3	329	21.0	21.0	7.9	7.9	28.9	28.9	91.6	91.6	6.9	6.9	22.7		15		76		76		76		76	76	<0.2	1.3		
C3	Misty	Moderate	11:14	11.8	Surface	1.0	0.2	263	21.0	21.0	7.9	7.9	31.3	31.3	91.1	91.1	6.8		8.5		9		72				822115	817779	<0.2	1.1				
						1.0	0.2	280	21.0	21.0	7.9	7.9	31.3	31.3	91.1	91.1	6.8	6.8	8.6		8		72		74		74	74	<0.2	0.9				
					Middle	5.9	0.2	248	21.1	21.1	7.9	7.9	31.4	31.4	90.6	90.6	6.7		9.7		10		74		74		74	74	<0.2	0.8				
						5.9	0.2	267	21.1	21.1	7.9	7.9	31.4	31.4	90.6	90.6	6.7		9.8		10		74		74		74	74	<0.2	0.9				
					Bottom	10.8	0.2	256	21.1	21.1	7.9	7.9	31.4	31.4	90.8	90.8	6.7	6.7	12.8		11		76		76		76		76	76	<0.2	0.8		
						10.8	0.2	266	21.1	21.1	7.9	7.9	31.4	31.4	90.8	90.8	6.7	6.7	12.9		12		76		76		76		76	76	<0.2	0.7		
IM1	Fine	Moderate	12:30	6.9	Surface	1.0	0.4	29	20.2	20.2	8.2	8.2	31.5	31.5	94.7	94.7	7.1		15.1		15		73				818333	806443	<0.2	1.1				
						1.0	0.4	29	20.2	20.2	8.2	8.2	31.5	31.5	94.7	94.7	7.1	7.1	15.1		15		73		74		74	74	<0.2	1.3				
					Middle	3.5	0.4	29	20.2	20.2	8.2	8.2	31.5	31.5	94.7	94.7	7.1		15.9		16		74		74		74	74	<0.2	1.3				
						3.5	0.4	30	20.2	20.2	8.2	8.2	31.5	31.5	94.7	94.7	7.1		15.9		15		74		74		74	74	<0.2	1.0				
					Bottom	5.9	0.4	6	20.2	20.2	8.2	8.2	31.8	31.8	95.5	95.5	7.2	7.2	19.3		18		76		76		76		76	76	<0.2	1.0		
						5.9	0.4	6	20.2	20.2	8.2	8.2	31.8	31.8	95.5	95.5	7.2	7.2	19.2		20		76		76		76		76	76	<0.2	1.0		
IM2	Fine	Moderate	12:38	8.2	Surface	1.0	0.4	20	20.3	20.2	8.2	8.2	31.6	31.6	93.5	93.5	7.0		20.1		18		73				818875	806184	<0.2	1.3				
						1.0	0.4	20	20.2	20.2	8.2	8.2	31.6	31.6	93.5	93.5	7.0	7.0	20.1		19		73		74		74	74	<0.2	1.3				
					Middle	4.1	0.3	15	20.2	20.2	8.2	8.2	31.6	31.6	93.5	93.5	7.0		18.8		18		74		74		74	74	<0.2	1.1				
						4.1	0.4	15	20.2	20.2	8.2	8.2	31.6	31.6	93.5	93.5	7.0		18.8		19		74		74		74	74	<0.2	1.0				
					Bottom	7.2	0.3	8	20.2	20.2	8.1	8.1	31.6	31.6	94.6	94.6	7.1	7.1	25.0		26		76		76		76		76	76	<0.2	1.1		
						7.2	0.3	8	20.2	20.2	8.1	8.1	31.6	31.6	94.6	94.6	7.1	7.1	25.0		25		75		75		75		75	75	<0.2	1.2		
IM3	Fine	Moderate	12:45	7.5	Surface	1.0	0.4	26	20.5	20.5	8.3	8.3	31.7	31.7	93.6	93.6	7.0		13.3		13		73				819389	805997	<0.2	1.1				
						1.0	0.4	26	20.5	20.5	8.3	8.3	31.7	31.7	93.6	93.6	7.0	7.0	13.3		14		73		74		74	74	<0.2	0.9				
					Middle	3.8	0.3	32	20.5	20.5	8.2	8.2	31.7	31.7	93.8	93.8	7.0		15.3		15		74		74		74	74	<0.2	1.1				
						3.8	0.3	32	20.5	20.5	8.2	8.2	31.7	31.7	93.8	93.8	7.0		15.3		15		74		74		74	74	<0.2	1.0				
					Bottom	6.5	0.3	41	20.3	20.3	8.2	8.2	31.7	31.7	94.6	94.6	7.1	7.1	16.4		18		75		75		75		75	75	<0.2	1.3		
						6.5	0.3	43	20.3	20.3	8.2	8.2	31.7	31.7	94.6	94.6	7.1	7.1	16.4		17		75		75		75		75	75	<0.2	1.2		
IM4	Fine	Moderate	12:53	7.0	Surface	1.0	0.3	8	20.5	20.5	8.2	8.2	31.7	31.7	92.1	92.1	6.9		12.9		14		73				819579	805025	<0.2	1.2				
						1.0	0.4	8	20.5	20.5	8.2	8.2	31.7	31.7	92.1	92.1	6.9	6.9	12.9		14		73		74		74	74	<0.2	1.2				
					Middle	3.5	0.2	5	20.8	20.8	8.2	8.2	31.9	31.9	92.1	92.1	6.8		13.6		17		74		74		74	74	<0.2	1.2				
						3.5	0.2	5	20.8	20.8	8.2	8.2	31.9	31.9	92.1	92.1	6.8		13.6		18		74		74		74	74	<0.2	1.2				
					Bottom	6.0	0.3	7	20.8	20.8	8.2	8.2	31.9	31.9	93.6	93.6	6.9	6.9	14.3		16		75		75		75		75	75	<0.2	1.0		
						6.0	0.3	7	20.8	20.8	8.2	8.2	31.9	31.9	93.6	93.6	6.9	6.9	14.3		17		75		75		75		75	75	<0.2	1.2		
IM5	Fine	Moderate	13:05	6.4	Surface	1.0	0.4	5	20.6	20.6	8.2	8.2	31.8	31.8	92.5	92.5	6.9		17.3		19		73				820551	804933	<0.2	1.2				
						1.0	0.4	5	20.6	20.6	8.2	8.2	31.8	31.8	92.5	92.5	6.9	6.9	17.3		18		74		74		74	74	<0.2	1.1				
					Middle	3.2	0.3	9	20.6	20.6	8.2	8.2	31.8	31.8	92.8	92.8	6.9		18.7		19		74		74		74	74	<0.2	1.0				
						3.2	0.3	9	20.6	20.6	8.2	8.2	31.8	31.8	92.8	92.8	6.9		18.7		19		74		74		74	74	<0.2	1.0				
					Bottom	5.4	0.3	3	20.6	20.6	8.1	8.1	31.8	31.8	95.8	95.8	7.1	7.1	16.9		17		75		75		75		75	75	<0.2	1.3		
						5.4	0.3	3	20.6	20.6	8.1	8.1	31.8	31.8	95.8	95.8	7.1	7.1	16.9		19		75		75		75		75	75	<0.2	1.2		
IM6	Fine	Moderate	13:13	6.6	Surface	1.0	0.3	42	20.6	20.6	8.2	8.2	31.5	31.5	93.4	9																		

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

Water Quality Monitoring Results on

09 December 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Replicate	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
										Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Misty	Moderate	12:27	6.9	1st	Surface	1.0	0.3	337	21.0	7.9	7.9	29.8	29.8	92.4	92.4	6.9	6.9	18.9	12	72	74	822096	808817	<0.2	1.4	1.4						
							1.0	0.3	310	21.0	7.9	29.8	92.4	6.9	18.7	13	72	<0.2	1.4														
					1st	Middle	3.5	0.3	329	21.1	7.9	30.5	30.5	92.1	92.1	6.9	6.9	20.2	15	73	74	74	<0.2	1.4									
							3.5	0.3	346	21.1	7.9	30.5	92.1	6.9	20.6	13	74	<0.2	1.2														
					2nd	Bottom	5.9	0.3	330	21.1	7.9	30.6	30.6	92.3	92.3	6.9	6.9	24.4	16	76	76	76	<0.2	1.4									
							5.9	0.3	350	21.1	7.9	30.6	92.3	6.9	24.7	15	76	<0.2	1.3														
IM10	Misty	Moderate	12:19	6.3	1st	Surface	1.0	0.5	315	21.0	7.9	7.9	30.6	30.6	91.8	91.8	6.9	6.9	11.4	12	71	74	822224	809829	<0.2	1.0	1.0						
							1.0	0.5	337	21.0	7.9	30.6	91.8	6.9	11.5	11	72	<0.2	1.2														
					1st	Middle	3.2	0.4	322	21.0	7.9	30.7	30.7	91.4	91.4	6.8	6.8	17.6	13	74	74	74	<0.2	1.0									
							3.2	0.5	334	21.0	7.9	30.7	91.4	6.8	18.0	11	74	<0.2	1.0														
					2nd	Bottom	5.3	0.4	314	21.0	7.9	30.7	30.7	92.3	92.3	6.9	6.9	14.0	16	75	75	75	<0.2	1.0									
							5.3	0.4	331	21.0	7.9	30.7	92.4	6.9	13.7	18	76	<0.2	1.0														
IM11	Misty	Moderate	12:08	7.8	1st	Surface	1.0	0.4	292	20.6	8.0	8.0	30.4	30.4	94.0	94.0	7.1	7.1	13.2	14	72	74	821509	810548	<0.2	1.0	0.9						
							1.0	0.4	297	20.6	8.0	30.4	94.0	7.1	13.7	15	72	<0.2	0.9														
					1st	Middle	3.9	0.3	293	20.5	8.0	30.5	30.5	93.1	93.1	7.0	7.0	22.3	20	74	74	74	<0.2	1.0									
							3.9	0.4	300	20.5	8.0	30.5	93.1	7.0	22.4	20	74	<0.2	0.8														
					2nd	Bottom	6.8	0.3	298	20.5	8.0	30.6	30.6	93.2	93.2	7.0	7.0	26.6	24	76	76	76	<0.2	0.9									
							6.8	0.3	304	20.5	8.0	30.6	93.2	7.0	26.4	24	76	<0.2	0.9														
IM12	Misty	Moderate	12:01	6.7	1st	Surface	1.0	0.5	286	20.6	8.0	8.0	30.4	30.4	94.1	94.1	7.1	7.1	9.5	8	72	74	821179	811520	<0.2	1.1	1.0						
							1.0	0.5	287	20.6	8.0	30.4	94.0	7.1	9.5	8	72	<0.2	0.8														
					1st	Middle	3.4	0.4	286	20.6	8.0	30.5	30.5	93.4	93.4	7.0	7.0	15.2	9	73	74	74	<0.2	1.1									
							3.4	0.5	289	20.6	8.0	30.5	93.4	7.0	15.3	9	74	<0.2	1.0														
					2nd	Bottom	5.7	0.4	282	20.6	8.0	30.6	30.6	93.4	93.4	7.0	7.0	29.1	12	75	75	75	<0.2	1.0									
							5.7	0.4	305	20.6	8.0	30.6	93.4	7.0	29.2	12	76	<0.2	0.9														
SR2	Misty	Moderate	11:33	3.6	1st	Surface	1.0	0.1	299	20.9	7.9	7.9	30.7	30.7	92.2	92.2	6.9	6.9	18.9	14	72	74	821480	814190	<0.2	0.9	1.0						
							1.0	0.2	308	20.9	7.9	30.7	92.2	6.9	18.7	13	72	<0.2	1.1														
					1st	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					2nd	Bottom	2.6	0.1	297	20.9	7.9	30.7	30.7	92.3	92.3	6.9	6.9	23.4	15	74	74	74	<0.2	0.9									
							2.6	0.1	308	20.9	7.9	30.7	92.3	6.9	23.4	17	74	<0.2	0.9														
SR3	Misty	Moderate	12:42	8.5	1st	Surface	1.0	0.2	347	20.8	7.9	7.9	29.3	29.3	93.3	93.3	7.0	7.0	8.8	13	-	-	-	-	-	-	-	-	-				
							1.0	0.2	357	20.8	7.9	29.3	93.2	7.0	8.8	11	-	-	-	-													
					1st	Middle	4.3	0.2	345	20.8	7.9	29.5	29.5	92.8	92.8	7.0	7.0	10.9	14	-	-	-	-	-	-	-	-	-	-	-			
							4.3	0.2	355	20.8	7.9	29.5	92.7	7.0	11.0	14	-	-	-	-													
					2nd	Bottom	7.5	0.1	330	20.8	7.9	29.7	29.7	92.9	92.9	7.0	7.0	13.7	17	-	-	-	-	-	-	-	-	-	-	-			
							7.5	0.2	304	20.8	7.9	29.7	92.9	7.0	13.4	18	-	-	-	-													
SR4A	Fine	Calm	11:53	8.2	1st	Surface	1.0	0.2	256	20.2	8.3	8.3	31.8	31.8	92.1	92.1	6.9	6.9	15.0	16	-	-	-	-	-	-	-	-					
							1.0	0.2	274	20.2	8.3	31.8	92.1	6.9	15.0	15	-	-	-	-													
					1st	Middle	4.1	0.2	258	20.2	8.3	31.8	31.8	92.1	92.1	6.9	6.9	15.8	15	20	-	-	-	-	-	-	-	-					
							4.1	0.2	267	20.2	8.3	31.8	92.1	6.9	15.9	16	-	-	-	-													
					2nd	Bottom	7.2	0.2	253	20.2	8.3	31.8	31.8	92.7	92.7	7.0	7.0	15.1	29	-	-	-	-	-	-	-	-	-					
							7.2	0.2	256	20.2	8.3	31.8	92.7	7.0	15.1	30	-	-	-	-													
SR5A	Fine	Calm	11:37	3.6	1st	Surface	1.0	0.2	297	20.2	8.3	8.3	31.8	31.8	93.3	93.3	7.0	7.0	15.6	16	-	-	-	-	-	-	-						
							1.0	0.2	310	20.2	8.3	31.8	93.3	7.0	15.6	15	-	-	-	-													
					1st	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					2nd	Bottom	2.6	0.2	306	20.1	8.2	31.8	31.8	94.2	94.2	7.1	7.1	19.2	27	-	-	-	-	-	-	-	-	-	-				
							2.6	0.2	335	20.1	8.2	31.8	94.2	7.1	19.2	27	-	-	-	-													
SR6	Fine	Calm	11:14	4.1	1st	Surface	1.0	0.1	255	20.2	8.1	8.1	30.6	30.6	92.9	92.9	7.0	7.0	10.3	14	-	-	-	-	-	-							
							1.0	0.2	277	20.2	8.1	30.6	92.9	7.0	10.3	14	-	-	-	-													
					1st	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					2nd	Bottom	3.1	0.1	259	20.2	8.0	30.4	30.4	93.1	93.1	7.1	7.1	10.6	14	-	-	-	-	-	-	-	-	-					
							3.1	0.1	276	20.2	8.0	30.4	93.1	7.1	10.6	13	-	-	-	-													
SR7	Misty	Moderate	10:46	17.9	1st	Surface	1.0	0.2	46	21.5	7.8	7.8	30.6	30.6	89.1	89.1	6.6	6.6	6.2	9	-	-	-	-	-	-							
							1.0	0.2	48	21.5	7.8	30.6	89.1	6.6	6.3	8	-	-	-	-													
					1st	Middle	9.0	0.2	36	21.5	7.8	31.1	31.1	89.1	89.1	6.6	6.6	6.6	10	-	-	-	-	-	-	-							
							9.0	0.2	36	21.5	7.8	31.1	89.1	6.6	6.7	11	-	-	-	-													
					2nd	Bottom	16.9	0.2	16	21.4	7.8	31.4	31.4	89.8	89.8	6.6	6.6	8.4	9	-	-	-	-	-	-	-							
							16.9	0.2	16	21.4	7.8	31.4	89.8	6.6	8.5	10	-	-	-	-													
SR8	Misty	Moderate	11:52	3.4	1st	Surface	1.0	-	-	20.7	7.9	7.9	30.2	30.2	94.1	94.1	7.1	7.1	12.7	14	-	-	-	-	-								
							1.0	-	-	20.7	7.9	30.2	94.1	7.1	12.6	13	-	-	-	-													
					1st	Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					2nd	Bottom	2.4	-	-	20.6	7.9	7.9	30.3	30.3	93.4	93.4	7.0	7.0	13.9	12	-	-	-	-	-	-							
							2.4	-	-	20.6	7.9	30.3	93.4	7.0	14.0	13	-	-	-	-													

DA: Depth-Averaged

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

Value exceeding Action Level is underlined; Value exceeding Limit Level

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

Water Quality Monitoring Results on 12 December 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	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
C1	Cloudy	Moderate	08:17	8.7	Surface	1.0	0.3	198	20.5	20.5	8.2	8.2	32.7	32.7	95.1	95.1	7.1	7.1	4.4	4.4	6	6	73	73	815635	804256	<0.2	<0.2	0.7	0.7				
						1.0	0.3	205	20.5	8.2	8.2	32.7	32.7	95.1	95.1	7.1	7.1	4.4	4.4	6	6	72	72											
						4.4	0.3	219	20.5	8.1	8.1	32.7	32.7	95.0	95.0	7.1	7.1	5.8	5.8	6	6	73	73											
					Middle	4.4	0.3	226	20.5	8.1	8.1	32.7	32.7	95.0	95.0	7.1	7.1	5.8	5.8	5	5	73	73	6							6	75	75	
						7.7	0.2	231	20.5	8.0	8.0	32.7	32.7	95.1	95.1	7.1	7.1	6.4	6.4	5	5	75	75	6							6	75	75	
						7.7	0.2	233	20.5	8.0	8.0	32.7	32.7	95.1	95.1	7.1	7.1	6.4	6.4	6	6	75	75	6							6	75	75	
Bottom	1.0	0.5	170	20.5	7.9	7.9	29.3	29.3	91.6	91.6	7.0	7.0	8.1	8.1	6	6	73	73	6	6	73	73												
	1.0	0.6	176	20.5	7.9	7.9	29.3	29.3	91.6	91.6	7.0	7.0	8.1	8.1	7	7	73	73	6	6	74	74												
	5.6	0.4	174	20.8	7.9	7.9	29.9	29.9	91.6	91.6	6.9	6.9	12.0	12.0	8	8	74	74	8	8	74	74												
C2	Fine	Moderate	09:19	11.2	Surface	1.0	0.6	176	20.5	20.5	7.9	7.9	29.3	29.3	91.6	91.6	7.0	7.0	8.1	8.1	6	6	73	73	825703	806933	<0.2	<0.2	1.2	1.2				
						5.6	0.4	174	20.8	7.9	7.9	29.9	29.9	91.6	91.6	6.9	6.9	12.0	12.0	8	8	74	74											
						5.6	0.5	186	20.8	7.9	7.9	29.9	29.9	91.6	91.6	6.9	6.9	12.0	12.0	8	8	74	74											
					Middle	10.2	0.3	176	20.8	7.9	7.9	30.2	30.2	91.7	91.7	6.9	6.9	14.5	14.5	10	10	75	75	10							10	75	75	
						10.2	0.3	176	20.8	7.9	7.9	30.2	30.2	91.7	91.7	6.9	6.9	14.5	14.5	10	10	75	75	10							10	75	75	
						10.2	0.3	190	20.8	7.9	7.9	30.2	30.2	91.7	91.7	6.9	6.9	14.5	14.5	8	8	75	75	8							8	75	75	
Bottom	1.0	0.1	49	21.2	21.2	7.8	7.8	31.8	31.8	88.2	88.2	6.5	6.5	2.5	2.5	5	5	73	73	5	5	73	73											
	1.0	0.1	49	21.2	21.2	7.8	7.8	31.8	31.8	88.2	88.2	6.5	6.5	2.5	2.5	5	5	73	73	5	5	74	74											
	5.8	0.1	56	21.2	21.2	7.8	7.8	31.8	31.8	88.1	88.1	6.5	6.5	2.6	2.6	5	5	75	75	5	5	76	76											
C3	Fine	Moderate	07:24	11.6	Surface	1.0	0.1	49	21.2	21.2	7.8	7.8	31.8	31.8	88.2	88.2	6.5	6.5	2.5	2.5	5	5	73	73	822106	817809	<0.2	<0.2	0.7	0.7				
						1.0	0.1	49	21.2	21.2	7.8	7.8	31.8	31.8	88.2	88.2	6.5	6.5	2.5	2.5	5	5	73	73										
						5.8	0.1	56	21.2	21.2	7.8	7.8	31.8	31.8	88.1	88.1	6.5	6.5	2.6	2.6	5	5	75	75										
					Middle	5.8	0.1	56	21.2	21.2	7.8	7.8	31.8	31.8	88.1	88.1	6.5	6.5	2.6	2.6	5	5	75	75							5	5	76	76
						10.6	0.1	51	21.2	21.2	7.8	7.8	31.8	31.8	88.2	88.2	6.5	6.5	2.6	2.6	5	5	76	76							5	5	77	77
						10.6	0.1	51	21.2	21.2	7.8	7.8	31.8	31.8	88.2	88.2	6.5	6.5	2.6	2.6	5	5	76	76							5	5	77	77
Bottom	1.0	0.2	184	20.0	20.0	8.1	8.1	32.5	32.5	95.2	95.2	7.1	7.1	5.0	5.0	6	6	72	72	6	6	72	72											
	1.0	0.2	184	20.0	20.0	8.1	8.1	32.5	32.5	95.2	95.2	7.1	7.1	5.0	5.0	5	5	72	72	6	6	72	72											
	3.7	0.2	180	20.0	20.0	8.1	8.1	32.5	32.5	94.9	94.9	7.1	7.1	6.4	6.4	6	6	73	73	6	6	73	73											
IM1	Cloudy	Moderate	08:35	7.3	Surface	1.0	0.2	184	20.0	20.0	8.1	8.1	32.5	32.5	95.2	95.2	7.1	7.1	5.0	5.0	6	6	72	72	818374	806433	<0.2	<0.2	0.8	0.8				
						1.0	0.2	184	20.0	20.0	8.1	8.1	32.5	32.5	95.2	95.2	7.1	7.1	5.0	5.0	5	5	72	72										
						3.7	0.2	180	20.0	20.0	8.1	8.1	32.5	32.5	94.9	94.9	7.1	7.1	6.4	6.4	6	6	73	73										
					Middle	3.7	0.3	189	20.0	20.0	8.1	8.1	32.5	32.5	94.9	94.9	7.1	7.1	6.4	6.4	6	6	73	73							6	6	73	73
						6.3	0.2	174	20.1	20.1	8.0	8.0	32.6	32.6	95.0	95.0	7.1	7.1	7.1	7.1	9	9	75	75							9	9	75	75
						6.3	0.2	175	20.1	20.1	8.0	8.0	32.6	32.6	95.0	95.0	7.1	7.1	7.1	7.1	9	9	75	75							9	9	75	75
Bottom	1.0	0.2	184	20.1	20.1	8.1	8.1	32.5	32.5	94.9	94.9	7.1	7.1	5.5	5.5	8	8	72	72	8	8	72	72											
	1.0	0.2	197	20.1	20.1	8.1	8.1	32.5	32.5	94.9	94.9	7.1	7.1	5.5	5.5	8	8	72	72	8	8	72	72											
	4.1	0.2	190	20.1	20.1	8.1	8.1	32.5	32.5	94.8	94.8	7.1	7.1	6.7	6.7	8	8	74	74	8	8	74	74											
IM2	Cloudy	Moderate	08:43	8.2	Surface	1.0	0.2	184	20.1	20.1	8.1	8.1	32.5	32.5	94.9	94.9	7.1	7.1	5.5	5.5	8	8	72	72	818854	806201	<0.2	<0.2	0.8	0.8				
						1.0	0.2	184	20.1	20.1	8.1	8.1	32.5	32.5	94.9	94.9	7.1	7.1	5.5	5.5	8	8	72	72										
						4.1	0.2	190	20.1	20.1	8.1	8.1	32.5	32.5	94.8	94.8	7.1	7.1	6.7	6.7	8	8	74	74										
					Middle	4.1	0.2	200	20.1	20.1	8.1	8.1	32.5	32.5	94.8	94.8	7.1	7.1	6.7	6.7	8	8	74	74							8	8	74	74
						7.2	0.2	184	20.1	20.1	7.9	7.9	32.5	32.5	95.2	95.2	7.1	7.1	8.6	8.6	8	8	75	75							8	8	75	75
						7.2	0.2	191	20.1	20.1	7.9	7.9	32.5	32.5	95.2	95.2	7.1	7.1	8.6	8.6	8	8	75	75							8	8	76	76
Bottom	1.0	0.3	192	20.1	20.1	8.2	8.2	32.5	32.5	95.2	95.2	7.1	7.1	4.4	4.4	7	7	73	73	7	7	73	73											
	1.0	0.3	204	20.1	20.1	8.2	8.2	32.5	32.5	95.2	95.2	7.1	7.1	4.4	4.4	7	7	73	73	7	7	73	73											
	4.1	0.3	204	20.1	20.1	8.1	8.1	32.5	32.5	95.1	95.1	7.1	7.1	6.9	6.9	7	7	73	73	7	7	73	73											
IM3	Cloudy	Moderate	08:50	8.2	Surface	1.0	0.3	192	20.1	20.1	8.2	8.2	32.5	32.5	95.2	95.2	7.1	7.1	4.4	4.4	7	7	73	73	819440	805991	<0.2	<0.2	0.8	0.8				
						1.0	0.3	204	20.1	20.1	8.2	8.2	32.5	32.5	95.2	95.2	7.1	7.1	4.4	4.4	7	7	73	73										
						4.1	0.3	204	20.1	20.1	8.1	8.1	32.5	32.5	95.1	95.1	7.1	7.1	6.9	6.9	7	7	73	73										
					Middle	4.1	0.3	209	20.1	20.1	8.1	8.1	32.5	32.5	95.1	95.1	7.1	7.1	6.9	6.9	7	7	73	73							7	7	74	74
						7.2	0.2	196	20.1	20.1	7.9	7.9	32.5	32.5	95.6	95.6	7.2	7.2	9.1	9.1	9	9	75	75							9	9	75	75
						7.2	0.2	206	20.1	20.1	7.9	7.9	32.5	32.5	95.6	95.6	7.2	7.2	9.1	9.1	8	8	75	75							8	8	75	75
Bottom	1.0	0.4	193	20.1	20.1	8.2	8.2	32.5	32.5	95.5	95.5	7.2	7.2	7.9	7.9	8	8	73	73	8	8	73	73											
	1.0	0.4	203	20.1	20.1	8.2	8.2	32.5	32.5	95.5	95.5	7.2	7.2	7.9	7.9	10	10	73	73	10	10	73	73											
	3.8	0.4	192	20.1	20.1	8.1	8.1	32.5	32.5	95.4	95.4	7.1	7.1	9.4	9.4	17	17	73	73	17	17	73	73											
IM4	Cloudy	Moderate	08:56	7.6	Surface	1.0	0.4	193	20.1	20.1	8.2	8.2	32.5	32.5	95.5	95.5	7.																	

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

Water Quality Monitoring

Water Quality Monitoring Results on **12 December 17 during Mid-Ebb Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Fine	Moderate	08:44	7.1	Surface	1.0	0.3	121	20.1	20.1	8.0	8.0	30.2	30.2	94.4	94.4	7.2	7.2	8.9	7	7	73	73	822076	808811	<0.2	1.3	1.1	1.1				
						1.0	0.3	123	20.1	20.1	8.0	8.0	30.2	30.2	94.4	94.4	7.2	7.2	8.9	8	7	73	74	74	74			<0.2	1.2				
					Middle	3.6	0.2	112	20.1	20.1	8.0	8.0	30.2	30.2	94.2	94.2	7.2	7.2	12.2	12.2	12.2	7	7	74	74			<0.2	1.0				
						3.6	0.3	117	20.1	20.1	8.0	8.0	30.2	30.2	94.2	94.2	7.2	7.2	12.2	12.2	12.2	7	7	74	74			<0.2	1.1				
					Bottom	6.1	0.2	108	20.2	20.2	8.0	8.0	30.6	30.6	93.8	93.8	7.1	7.1	16.2	16.2	16.2	7	7	75	75			<0.2	1.0				
						6.1	0.2	113	20.2	20.2	8.0	8.0	30.6	30.6	93.8	93.8	7.1	7.1	16.2	16.2	16.2	7	7	74	74			<0.2	1.0				
IM10	Fine	Moderate	08:36	7.1	Surface	1.0	0.4	113	20.1	20.1	8.0	8.0	30.3	30.3	94.5	94.5	7.2	7.2	8.1	7	7	73	73	822237	809825	<0.2	1.0	1.1	1.1				
						1.0	0.4	114	20.1	20.1	8.0	8.0	30.3	30.3	94.5	94.5	7.2	7.2	8.1	6	7	73	74	74	74			<0.2	1.1				
					Middle	3.6	0.4	104	20.1	20.1	8.0	8.0	30.3	30.3	94.3	94.3	7.2	7.2	10.3	10.3	10.3	8	8	73	73			<0.2	1.0				
						3.6	0.5	107	20.1	20.1	8.0	8.0	30.3	30.3	94.3	94.3	7.2	7.2	10.3	10.3	10.3	9	9	73	73			<0.2	1.1				
					Bottom	6.1	0.4	102	20.1	20.1	8.0	8.0	30.4	30.4	93.6	93.6	7.1	7.1	14.9	14.9	14.9	9	7	75	75			<0.2	1.0				
						6.1	0.4	111	20.1	20.1	8.0	8.0	30.4	30.4	93.6	93.6	7.1	7.1	14.9	14.9	14.9	8	8	74	74			<0.2	1.2				
IM11	Fine	Moderate	08:24	7.0	Surface	1.0	0.2	99	20.2	20.2	8.1	8.1	30.5	30.5	95.3	95.3	7.2	7.2	9.1	11	11	73	73	821528	810557	<0.2	1.1	1.0	1.0				
						1.0	0.3	105	20.2	20.2	8.1	8.1	30.5	30.5	95.3	95.3	7.2	7.2	9.1	11	11	73	73	73	73			<0.2	1.1				
					Middle	3.5	0.3	91	20.2	20.2	8.1	8.1	30.5	30.5	94.9	94.9	7.2	7.2	11.8	11.8	11.8	10	10	75	75			<0.2	1.0				
						3.5	0.3	95	20.2	20.2	8.1	8.1	30.5	30.5	94.9	94.9	7.2	7.2	11.8	11.8	11.8	10	10	75	75			<0.2	1.0				
					Bottom	6.0	0.2	100	20.2	20.2	8.2	8.2	30.6	30.6	94.5	94.5	7.2	7.2	16.3	16.3	16.3	14	14	76	76			<0.2	1.0				
						6.0	0.2	104	20.2	20.2	8.2	8.2	30.6	30.6	94.5	94.5	7.2	7.2	16.3	16.3	16.3	14	14	77	77			<0.2	1.0				
IM12	Fine	Moderate	08:15	8.8	Surface	1.0	0.3	110	20.4	20.4	8.0	8.0	31.0	31.0	93.2	93.2	7.0	7.0	6.0	5	7	73	73	821141	811523	<0.2	1.1	1.1	1.1				
						1.0	0.3	114	20.4	20.4	8.0	8.0	31.0	31.0	93.2	93.2	7.0	7.0	6.0	6	7	73	73	73	73			<0.2	1.0				
					Middle	4.4	0.3	92	20.4	20.4	8.0	8.0	31.1	31.1	92.6	92.6	7.0	7.0	7.0	7.0	7.0	7	7	75	75			<0.2	1.1				
						4.4	0.3	98	20.4	20.4	8.0	8.0	31.1	31.1	92.6	92.6	7.0	7.0	7.0	7.0	7.0	6	7	74	74			<0.2	1.1				
					Bottom	7.8	0.2	90	20.4	20.4	8.0	8.0	31.2	31.2	92.2	92.2	6.9	6.9	6.9	6.9	6.9	8	8	77	77			<0.2	1.0				
						7.8	0.2	95	20.4	20.4	8.0	8.0	31.2	31.2	92.2	92.2	6.9	6.9	6.9	6.9	6.9	10	10	76	76			<0.2	1.1				
SR2	Fine	Moderate	07:48	4.1	Surface	1.0	0.2	111	20.8	20.8	7.8	7.8	31.6	31.6	90.3	90.3	6.7	6.7	2.9	6	7	73	73	821486	814151	<0.2	1.1	0.8	0.9				
						1.0	0.2	113	20.8	20.8	7.8	7.8	31.6	31.6	90.3	90.3	6.7	6.7	2.9	6	7	73	73	73	73			<0.2	1.0				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	-		
					Bottom	3.1	0.2	111	20.8	20.8	7.8	7.8	31.6	31.6	90.8	90.8	6.8	6.8	3.2	3.2	3.2	11	11	75	75			<0.2	0.8				
						3.1	0.2	117	20.8	20.8	7.8	7.8	31.6	31.6	90.8	90.8	6.8	6.8	3.2	3.2	3.2	9	9	75	75			<0.2	0.8				
SR3	Fine	Moderate	08:57	8.6	Surface	1.0	0.4	183	20.1	20.1	7.9	7.9	30.0	30.0	94.0	94.0	7.2	7.2	6.2	8	-	-	-	822144	807574	-	-	-	-				
						1.0	0.4	187	20.1	20.1	7.9	7.9	30.0	30.0	94.0	94.0	7.2	7.2	6.3	6	-	-	-	-	-	-			-	-	-	-	
					Middle	4.3	0.2	176	20.1	20.1	7.9	7.9	30.1	30.1	93.8	93.8	7.1	7.1	7.4	7.4	7.4	8	-	-	-	-			-	-	-	-	
						4.3	0.2	193	20.1	20.1	7.9	7.9	30.1	30.1	93.8	93.8	7.1	7.1	7.4	7.4	7.4	10	-	-	-	-	-			-	-	-	-
					Bottom	7.6	0.0	138	20.1	20.1	8.0	8.0	30.6	30.6	93.3	93.3	7.1	7.1	7.8	7.8	7.8	12	-	-	-	-	-	-	-	-	-	-	-
						7.6	0.0	139	20.1	20.1	8.0	8.0	30.6	30.6	93.3	93.3	7.1	7.1	7.8	7.8	7.8	11	-	-	-	-	-	-	-	-	-	-	-
SR4A	Cloudy	Calm	07:58	9.2	Surface	1.0	0.2	58	20.0	20.0	8.2	8.2	32.4	32.4	94.2	94.2	7.1	7.1	4.8	5	7	-	-	817192	807825	-	-	-	-				
						1.0	0.2	62	20.0	20.0	8.2	8.2	32.4	32.4	94.2	94.2	7.1	7.1	4.8	6	7	-	-	-	-	-	-	-	-	-	-		
					Middle	4.6	0.2	63	20.0	20.0	8.2	8.2	32.4	32.4	94.2	94.2	7.1	7.1	6.1	6.1	6.1	9	7	-	-	-	-	-	-	-	-	-	
						4.6	0.3	64	20.0	20.0	8.2	8.2	32.4	32.4	94.2	94.2	7.1	7.1	6.1	6.1	6.1	8	7	-	-	-	-	-	-	-	-	-	-
					Bottom	8.2	0.2	77	20.1	20.1	8.1	8.1	32.5	32.5	94.4	94.4	7.1	7.1	7.2	7.2	7.2	7	7	-	-	-	-	-	-	-	-	-	-
						8.2	0.2	80	20.1	20.1	8.1	8.1	32.5	32.5	94.4	94.4	7.1	7.1	7.2	7.2	7.2	8	7	-	-	-	-	-	-	-	-	-	-
SR5A	Cloudy	Calm	07:41	3.7	Surface	1.0	0.0	117	20.1	20.1	8.1	8.1	31.9	31.9	92.9	92.9	7.0	7.0	6.6	7	6	-	-	816588	810702	-	-	-	-				
						1.0	0.0	117	20.1	20.1	8.1	8.1	31.9	31.9	92.9	92.9	7.0	7.0	6.6	5	6	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.7	0.0	111	20.1	20.1	8.1	8.1	32.0	32.0	93.6	93.6	7.0	7.0	7.4	7.4	7.4	6	6	-	-	-	-	-	-	-	-	-	
					Bottom	2.7	0.0	112	20.1	20.1	8.1	8.1	32.0	32.0	93.6	93.6	7.0	7.0	7.4	7.4	7.4	6	6	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR6	Cloudy	Calm	07:18	4.2	Surface	1.0	0.1	45	20.1	20.1	8.0	8.0	30.5	30.5	92.8	92.8	7.0	7.0	6.1	7	9	-	-	817923	814658	-	-	-	-				
						1.0	0.1	46	20.1	20.1	8.0	8.0	30.5	30.5	92.8	92.8	7.0	7.0	6.1	6	9	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.2	0.1	90	20.2	20.2	8.0	8.0	29.9	29.9	94.5	94.5	7.2	7.2	7.2	7.2	7.2	10	9	-	-	-	-	-	-	-	-	-	
					Bottom	3.2	0.1	95	20.2	20.2	8.0	8.0	29.9	29.9	94.5	94.5	7.2	7.2	7.2	7.2	7.2	11	9	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR7	Fine	Moderate	06:43	16.3	Surface	1.0	0.1	64	21.3	21.3	7.8	7.8	31.9	31.9	87.5	87.5	6.4	6.4	2.0	5	5	-	-	823624	823730	-	-	-	-				
						1.0	0.1	68	21.3	21.3	7.8	7.8	31.9	31.9	87.5	87.5	6.4	6.4	2.0	4	5	-	-	-	-	-	-	-	-	-	-		
					Middle	8.2	0.1	64	21.3	21.3	7.8	7.8	31.9	31.9	87.5	87.5	6.4	6.4	2.1	2.1	2.1	6	5	-	-	-	-	-	-	-	-	-	
						8.2	0.1	67	21.3	21.3	7.8	7.8	31.9	31.9	87.5	87.5	6.4	6.4	2.1	2.1	2.1	5											

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

Water Quality Monitoring Results on 12 December 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	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Fine	Moderate	14:39	8.3	Surface	1.0	0.4	43	20.2	8.1	8.1	32.5	32.5	96.2	96.2	7.2	7.2	7.2	7.2	7.2	6	73	73	74	815649	804222	<u><0.2</u>	0.8	0.7	0.7			
						1.0	0.4	43	20.2	8.1	8.1	32.5	32.5	96.2	96.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6	73	73	74	815649	804222	<u><0.2</u>	0.7	0.7	0.7	
						4.2	0.4	38	20.3	8.2	8.2	32.6	32.6	95.6	95.6	7.1	7.1	7.1	7.1	7.1	7.1	7.1	10	74	74	75	815649	804222	<u><0.2</u>	0.7	0.7	0.7	
					Middle	4.2	0.4	41	20.3	8.2	8.2	32.6	32.6	95.6	95.6	7.1	7.1	7.1	7.1	7.1	7.1	7.1	10	74	74	75	815649	804222	<u><0.2</u>	0.6	0.6	0.6	0.6
						7.3	0.4	39	20.3	8.2	8.2	32.7	32.7	96.4	96.4	7.2	7.2	7.2	7.2	7.2	7.2	7.2	10	75	75	75	815649	804222	<u><0.2</u>	0.7	0.7	0.7	0.7
						7.3	0.4	41	20.3	8.2	8.2	32.7	32.7	96.4	96.4	7.2	7.2	7.2	7.2	7.2	7.2	7.2	10	75	75	75	815649	804222	<u><0.2</u>	0.7	0.7	0.7	0.7
C2	Fine	Moderate	13:36	11.2	Surface	1.0	0.3	193	20.3	7.9	7.9	28.4	28.4	93.2	93.2	7.1	7.1	7.1	7.1	4.7	7	73	73	74	825664	806920	<u><0.2</u>	1.9	1.7	1.8			
						1.0	0.3	203	20.3	7.9	7.9	28.4	28.4	93.2	93.2	7.1	7.1	7.1	7.1	4.7	6	73	73	74	825664	806920	<u><0.2</u>	2.0	1.7	1.8			
						5.6	0.1	304	20.4	7.9	7.9	29.2	29.2	92.3	92.3	7.0	7.0	7.0	7.0	10.1	9	74	74	75	825664	806920	<u><0.2</u>	1.7	1.9	1.9			
					Middle	5.6	0.1	323	20.4	7.9	7.9	29.2	29.2	92.3	92.3	7.0	7.0	7.0	7.0	10.1	9	74	74	75	825664	806920	<u><0.2</u>	1.9	1.6	1.6			
						10.2	0.2	323	20.5	7.9	7.9	30.1	30.1	92.8	92.8	7.0	7.0	7.0	7.0	11.5	9	75	75	75	825664	806920	<u><0.2</u>	1.6	1.6	1.6			
						10.2	0.3	330	20.5	7.9	7.9	30.1	30.1	92.8	92.8	7.0	7.0	7.0	7.0	11.5	9	75	75	75	825664	806920	<u><0.2</u>	1.4	1.4	1.4			
C3	Fine	Moderate	15:29	12.1	Surface	1.0	0.4	266	21.3	7.9	7.9	29.0	29.0	89.9	89.9	6.7	6.7	6.7	6.7	5.8	8	73	73	74	822099	817815	<u><0.2</u>	0.6	0.6	0.7			
						1.0	0.4	276	21.3	7.9	7.9	29.0	29.0	89.9	89.9	6.7	6.7	6.7	6.7	5.8	7	73	73	74	822099	817815	<u><0.2</u>	0.6	0.6	0.6			
						6.1	0.4	262	21.3	7.9	7.9	29.1	29.1	90.3	90.3	6.8	6.8	6.8	6.8	8.0	8	75	75	75	822099	817815	<u><0.2</u>	0.8	0.8	0.8			
					Middle	6.1	0.4	272	21.3	7.9	7.9	29.1	29.1	90.3	90.3	6.8	6.8	6.8	6.8	8.0	8	75	75	75	822099	817815	<u><0.2</u>	0.6	0.6	0.6			
						11.1	0.4	278	21.2	7.9	7.9	29.4	29.4	92.1	92.1	6.9	6.9	6.9	6.9	11.5	8	77	77	77	822099	817815	<u><0.2</u>	0.7	0.7	0.7			
						11.1	0.4	304	21.2	7.9	7.9	29.4	29.4	92.1	92.1	6.9	6.9	6.9	6.9	11.5	9	78	78	78	822099	817815	<u><0.2</u>	0.6	0.6	0.6			
IM1	Fine	Moderate	14:21	7.2	Surface	1.0	0.2	19	20.1	7.9	7.9	32.1	32.1	97.5	97.5	7.3	7.3	7.3	7.3	9	73	73	74	818357	806480	<u><0.2</u>	1.0	0.9	1.0				
						1.0	0.2	20	20.1	7.9	7.9	32.1	32.1	97.5	97.5	7.3	7.3	7.3	7.3	9	73	73	74	818357	806480	<u><0.2</u>	1.0	0.9	1.0				
						3.6	0.3	1	20.1	8.0	8.0	32.3	32.3	96.8	96.8	7.3	7.3	7.3	7.3	8.4	10	73	73	74	818357	806480	<u><0.2</u>	1.0	1.0	1.0			
					Middle	3.6	0.3	1	20.1	8.0	8.0	32.3	32.3	96.8	96.8	7.3	7.3	7.3	7.3	8.4	8	73	73	74	818357	806480	<u><0.2</u>	1.0	1.0	1.0			
						6.2	0.2	356	20.2	8.0	8.0	32.3	32.3	97.3	97.3	7.3	7.3	7.3	7.3	9.8	10	75	75	75	818357	806480	<u><0.2</u>	1.0	1.0	1.0			
						6.2	0.2	328	20.2	8.0	8.0	32.3	32.3	97.3	97.3	7.3	7.3	7.3	7.3	9.8	9	75	75	75	818357	806480	<u><0.2</u>	1.0	1.0	1.0			
IM2	Fine	Moderate	14:13	8.2	Surface	1.0	0.1	28	20.1	8.0	8.0	31.9	31.9	96.6	96.6	7.3	7.3	7.3	7.3	8	72	72	74	818823	806202	<u><0.2</u>	1.2	1.3	1.1				
						1.0	0.1	28	20.1	8.0	8.0	31.9	31.9	96.6	96.6	7.3	7.3	7.3	7.3	7.7	7	73	73	74	818823	806202	<u><0.2</u>	1.2	1.3	1.1			
						4.1	0.3	19	20.0	8.0	8.0	32.2	32.2	95.6	95.6	7.2	7.2	7.2	7.2	8.7	8	74	74	74	818823	806202	<u><0.2</u>	1.2	1.3	1.1			
					Middle	4.1	0.3	19	20.0	8.0	8.0	32.2	32.2	95.6	95.6	7.2	7.2	7.2	7.2	8.7	8	74	74	74	818823	806202	<u><0.2</u>	1.2	1.3	1.1			
						7.2	0.2	26	20.0	8.1	8.1	32.3	32.3	95.7	95.7	7.2	7.2	7.2	7.2	9.9	8	76	76	76	818823	806202	<u><0.2</u>	0.9	0.9	0.9			
						7.2	0.2	28	20.0	8.1	8.1	32.3	32.3	95.7	95.7	7.2	7.2	7.2	7.2	9.9	9	76	76	76	818823	806202	<u><0.2</u>	0.9	0.9	0.9			
IM3	Fine	Moderate	14:06	8.2	Surface	1.0	0.0	8	20.1	8.1	8.1	31.8	31.8	96.5	96.5	7.3	7.3	7.3	7.3	6	73	73	74	819381	806031	<u><0.2</u>	1.2	1.3	1.1				
						1.0	0.0	8	20.1	8.1	8.1	31.8	31.8	96.5	96.5	7.3	7.3	7.3	7.3	7.0	6	73	73	74	819381	806031	<u><0.2</u>	1.2	1.3	1.1			
						4.1	0.1	7	20.1	8.1	8.1	32.4	32.4	95.5	95.5	7.2	7.2	7.2	7.2	9.7	9	74	74	74	819381	806031	<u><0.2</u>	1.1	1.2	1.1			
					Middle	4.1	0.1	7	20.1	8.1	8.1	32.4	32.4	95.5	95.5	7.2	7.2	7.2	7.2	9.7	9	74	74	74	819381	806031	<u><0.2</u>	1.2	1.2	1.2			
						7.2	0.1	40	20.1	8.2	8.2	32.3	32.3	96.4	96.4	7.2	7.2	7.2	7.2	11.0	12	75	75	75	819381	806031	<u><0.2</u>	0.9	0.9	0.9			
						7.2	0.1	42	20.1	8.2	8.2	32.3	32.3	96.4	96.4	7.2	7.2	7.2	7.2	11.0	13	76	76	76	819381	806031	<u><0.2</u>	0.9	0.9	0.9			
IM4	Fine	Moderate	14:00	7.5	Surface	1.0	0.1	328	20.0	8.1	8.1	31.8	31.8	96.3	96.3	7.3	7.3	7.3	7.3	8.2	7	73	73	74	819578	805019	<u><0.2</u>	1.2	1.4	1.2			
						1.0	0.2	332	20.0	8.1	8.1	31.8	31.8	96.3	96.3	7.3	7.3	7.3	7.3	8.2	9	73	73	74	819578	805019	<u><0.2</u>	1.4	1.4	1.4			
						3.8	0.2	344	19.9	8.1	8.1	32.0	32.0	95.8	95.8	7.2	7.2	7.2	7.2	10.7	9	74	74	74	819578	805019	<u><0.2</u>	1.1	1.1	1.1			
					Middle	3.8	0.2	348	19.9	8.1	8.1	32.0	32.0	95.8	95.8	7.2	7.2	7.2	7.2	10.7	8	74	74	74	819578	805019	<u><0.2</u>	1.1	1.1	1.1			
						6.5	0.2	20	20.0	8.2	8.2	32.3	32.3	96.3	96.3	7.2	7.2	7.2	7.2	12.0	14	75	75	75	819578	805019	<u><0.2</u>	1.1	1.1	1.1			
						6.5	0.3	20	20.0	8.2	8.2	32.3	32.3	96.3	96.3	7.2	7.2	7.2	7.2	12.0	12	75	75	75	819578	805019	<u><0.2</u>	1.1	1.1	1.1			
IM5	Fine	Moderate	13:51	6.7	Surface	1.0	0.2	6	20.0	8.1	8.1	31.9	31.9	96.3	96.3	7.3	7.3	7.3	7.3	9	72	72	74	820563	804895	<u><0.2</u>	1.1	1.2	1.1				
						1.0	0.2	6	20.0	8.1	8.1	31.9	31.9	96.3	96.3	7.3	7.3	7.3	7.3	9.3	9	73	73	74	820563	804895	<u><0.2</u>	1.0	1.2	1.1			
						3.4	0.2	345	19.9	8.1	8.1	31.9	31.9	96.3	96.3	7.3	7.3	7.3	7.3	9.3	10	75	75	75	820563	804895	<u><0.2</u>	1.0	1.1	1.1			
					Middle	3.4	0.2	317	19.9	8.1	8.1	31.9	31.9	96.3																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 December 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
									Value		Value		Value		Value		Value		Value		Value		Value				Value		Value					
C1	Fine	Moderate	10:31	8.7	Surface	1.0	0.3	203	20.3	20.3	8.1	8.1	32.8	32.8	95.3	95.3	7.1	7.1	5.9	7.1	10	71	73	815633	804244	804244	<0.2	1.3	1.2	1.2				
						1.0	0.4	205	20.3	8.1	8.1	32.8	32.8	95.2	95.2	7.1	7.1	6.0	7.1	9	71	73									<0.2	1.2	1.2	1.2
						4.4	0.3	211	20.3	20.3	8.1	8.1	32.8	32.8	94.9	94.9	7.1	7.1	6.6	7.1	12	73	73									<0.2	1.2	1.3
					4.4	0.3	223	20.3	20.3	8.1	8.1	32.8	32.8	94.8	94.8	7.1	7.1	6.8	7.1	10	73	75									<0.2	1.0	1.3	1.3
					7.7	0.2	216	20.3	20.3	8.0	8.0	32.8	32.8	94.4	94.4	7.0	7.0	6.3	7.0	11	75	75									<0.2	1.3	1.3	1.3
					7.7	0.2	226	20.3	20.3	7.9	8.0	32.8	32.8	94.4	94.4	7.0	7.0	6.1	7.0	10	75	75									<0.2	1.1	1.3	1.3
C2	Fine	Moderate	11:24	11.4	Surface	1.0	0.6	156	20.4	20.4	8.1	8.1	27.4	27.4	93.3	93.3	7.2	7.2	4.2	7.2	9	73	75							<0.2	1.0	1.3	1.3	
						1.0	0.7	160	20.4	20.4	8.1	8.1	27.4	27.4	93.3	93.3	7.2	7.2	4.2	7.2	8	73	75							<0.2	1.3	1.3	1.3	
						5.7	0.5	169	20.6	20.6	8.1	8.1	28.1	28.1	92.7	92.7	7.1	7.1	7.2	7.1	11	75	75							<0.2	1.5	1.3	1.3	
					5.7	0.5	174	20.6	20.6	8.1	8.1	28.1	28.1	92.7	92.7	7.1	7.1	7.2	7.1	10	75	75								<0.2	1.3	1.3	1.3	
					10.4	0.3	177	20.6	20.6	8.1	8.1	28.3	28.3	93.0	93.0	7.1	7.1	9.7	7.1	12	76	76								<0.2	1.3	1.3	1.3	
					10.4	0.4	189	20.6	20.6	8.1	8.1	28.3	28.3	93.0	93.0	7.1	7.1	9.7	7.1	11	76	76								<0.2	1.4	1.3	1.3	
C3	Fine	Moderate	09:23	12.1	Surface	1.0	0.0	14	21.1	21.1	8.0	8.0	30.2	30.2	86.7	86.7	6.5	6.5	2.7	6.5	8	73	75							<0.2	1.2	1.1	1.2	
						1.0	0.0	14	21.1	21.1	8.0	8.0	30.2	30.2	86.7	86.7	6.5	6.5	2.7	6.5	9	73	75							<0.2	1.1	1.1	1.1	
						6.1	0.0	326	21.1	21.1	8.0	8.0	30.5	30.5	87.0	87.0	6.5	6.5	3.2	6.5	15	75	75							<0.2	1.2	1.2	1.2	
					6.1	0.0	339	21.1	21.1	8.0	8.0	30.5	30.5	87.0	87.0	6.5	6.5	3.2	6.5	13	75	77								<0.2	1.3	1.2	1.2	
					11.1	0.1	52	21.1	21.1	8.0	8.0	30.8	30.8	87.8	87.8	6.5	6.5	3.4	6.5	13	77	77								<0.2	1.2	1.1	1.1	
					11.1	0.1	54	21.1	21.1	8.0	8.0	30.8	30.8	87.8	87.8	6.5	6.5	3.4	6.5	13	77	77								<0.2	1.1	1.1	1.1	
IM1	Fine	Moderate	10:51	7.3	Surface	1.0	0.2	201	20.0	20.0	8.2	8.2	32.7	32.7	95.5	95.4	7.2	7.2	5.1	7.2	8	71	73							<0.2	1.3	1.2	1.2	
						1.0	0.2	213	20.0	20.0	8.2	8.2	32.7	32.7	95.3	95.4	7.2	7.2	5.2	7.2	9	72	73							<0.2	1.2	1.1	1.1	
						3.7	0.2	183	20.1	20.1	8.1	8.1	32.8	32.8	94.8	94.8	7.1	7.1	6.6	7.1	8	73	73							<0.2	1.1	1.1	1.1	
					3.7	0.2	194	20.1	20.1	8.1	8.1	32.8	32.8	94.8	94.8	7.1	7.1	6.7	7.1	10	73	73								<0.2	1.2	1.2	1.2	
					6.3	0.1	180	20.1	20.1	8.0	8.0	32.8	32.8	94.5	94.5	7.1	7.1	7.7	7.1	12	75	75								<0.2	1.2	1.2	1.2	
					6.3	0.2	190	20.1	20.1	8.0	8.0	32.8	32.8	94.4	94.5	7.1	7.1	7.7	7.1	10	75	75								<0.2	1.4	1.2	1.2	
IM2	Fine	Moderate	11:02	8.0	Surface	1.0	0.2	186	20.0	20.0	8.1	8.1	32.7	32.7	95.8	95.8	7.2	7.2	5.2	7.2	8	71	73							<0.2	0.5	0.7	0.7	
						1.0	0.2	196	20.0	20.0	8.1	8.1	32.7	32.7	95.7	95.8	7.2	7.2	5.2	7.2	9	71	73							<0.2	0.7	0.7	0.7	
						4.0	0.2	187	20.2	20.2	8.1	8.1	32.8	32.8	94.8	94.8	7.1	7.1	6.9	7.1	8	73	73							<0.2	1.3	1.3	1.3	
					4.0	0.2	203	20.2	20.2	8.1	8.1	32.8	32.8	94.8	94.8	7.1	7.1	7.0	7.1	9	73	73								<0.2	1.2	1.3	1.3	
					7.0	0.2	190	20.2	20.2	8.0	8.0	32.8	32.8	94.6	94.7	7.1	7.1	7.5	7.1	9	75	75								<0.2	1.0	1.0	1.0	
					7.0	0.2	197	20.2	20.2	8.0	8.0	32.8	32.8	94.7	94.7	7.1	7.1	7.5	7.1	9	75	75								<0.2	1.0	1.0	1.0	
IM3	Fine	Moderate	11:09	8.3	Surface	1.0	0.2	177	20.0	20.0	8.2	8.2	32.8	32.8	95.8	95.8	7.2	7.2	10.4	7.2	14	71	73							<0.2	1.1	1.1	1.1	
						1.0	0.2	191	20.0	20.0	8.1	8.1	32.8	32.8	95.8	95.8	7.2	7.2	10.4	7.2	15	72	73							<0.2	1.0	1.0	1.0	
						4.2	0.3	175	20.0	20.0	8.1	8.1	32.8	32.8	95.3	95.3	7.1	7.1	10.5	7.1	15	73	73							<0.2	0.8	1.0	1.0	
					4.2	0.3	190	20.0	20.0	8.2	8.1	32.8	32.8	95.2	95.3	7.1	7.1	10.1	7.1	15	73	73							<0.2	1.0	1.0	1.0		
					7.3	0.3	201	20.0	20.0	8.1	8.1	32.8	32.8	94.9	94.9	7.1	7.1	9.6	7.1	15	75	75							<0.2	1.5	1.5	1.5		
					7.3	0.3	218	20.0	20.0	8.1	8.1	32.8	32.8	94.9	94.9	7.1	7.1	9.6	7.1	16	75	75							<0.2	1.2	1.2	1.2		
IM4	Cloudy	Moderate	11:16	7.6	Surface	1.0	0.4	194	20.1	20.1	8.1	8.1	32.8	32.8	95.6	95.6	7.2	7.2	6.6	7.2	9	71	73							<0.2	1.2	1.2	1.2	
						1.0	0.4	206	20.1	20.1	8.1	8.1	32.8	32.8	95.6	95.6	7.2	7.2	6.6	7.2	10	71	73							<0.2	1.2	1.2	1.2	
						3.8	0.4	190	20.1	20.1	8.2	8.1	32.8	32.8	95.3	95.3	7.1	7.1	6.9	7.1	9	73	73							<0.2	1.0	1.0	1.0	
					3.8	0.4	201	20.1	20.1	8.1	8.1	32.8	32.8	95.2	95.2	7.1	7.1	7.1	7.1	10	73	73							<0.2	1.2	1.2	1.2		
					6.6	0.3	203	20.1	20.1	8.1	8.1	32.8	32.8	94.9	94.9	7.1	7.1	8.8	7.1	11	74	74							<0.2	1.0	1.0	1.0		
					6.6	0.3	207	20.1	20.1	8.1	8.1	32.8	32.8	94.9	94.9	7.1	7.1	8.3	7.1	11	75	75							<0.2	1.2	1.2	1.2		
IM5	Cloudy	Moderate	11:27	6.3	Surface	1.0	0.3	179	19.9	19.9	8.1	8.1	32.5	32.5	96.0	96.0	7.2	7.2	7.3	7.2	7	71	73							<0.2	1.6	1.6	1.6	
						1.0	0.4	195	19.9	19.9	8.1	8.1	32.5	32.5	95.9	95.9	7.2	7.2	7.2	7.2	9	71	73							<0.2	1.4	1.4	1.4	
						3.2	0.3	176	19.9	19.9	8.1	8.1	32.5	32.5	95.6	95.6	7.2	7.2	8.1	7.2	10	73	73							<0.2	1.6	1.6	1.6	
					3.2	0.3	193	19.9	19.9	8.1	8.1	32.5	32.5	95.5	95.5	7.2	7.2	8.2	7.2	10	73	73							<0.2	1.6	1.6	1.6		
					5.3	0.3	179	19.9	19.9	8.2	8.2	32.6	32.6	95.3	95.3	7.2	7.2	10.0	7.2	14	75	75							<0.2	1.5	1.5	1.5		
					5.3	0.3	187	19.9	19.9	8.2	8.2	32.6	32.6	95.2	95.2	7.2	7.2	10.4	7.2	14	75	75							<0.2	1.5	1.5	1.5		
IM6	Cloudy	Moderate	11:34	6.6	Surface	1.0	0.2	174	19.9	19.9	8.2	8.2	32.2	32.2	96.2	96.2	7.3	7.3	7.5	7.3	9	72	73							<0.2	1.6	1.6	1.6	
						1.0	0.2	190	19.9	19.9	8.2	8.2	32.2	32.2	96.2	96.2	7.2	7.2	7.8	7.2	10	73	73							<0.2	1.4	1.4	1.4	
						3.3	0.2	165	19.9	19.9	8.1	8.1	32.3	32.3	95.9	95.9	7.2	7.2	9.5	7.2	9	73	73							<0.2	2.0	2.0	2.0	
					3.3	0.2	165	19.9	19.9	8.1	8.1	32.3	32.3	95.9	95.9	7.2	7.2	9.5	7.2															

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

Water Quality Monitoring Results on 14 December 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
IM9	Fine	Moderate	10:45	7.0	Surface	1.0	0.3	112	20.2	20.2	8.2	8.2	30.0	30.0	96.4	96.4	7.3	7.3	6.1	7.3	7	73	75	822082	808803	<0.2	1.9	1.7					
						1.0	0.3	112	20.2	20.2	8.2	8.2	30.0	30.0	96.4	96.4	7.3	7.3	6.1	7.3	7	73	75	822082	808803	<0.2	1.7						
					Middle	3.5	0.3	101	20.2	20.2	8.2	8.2	30.0	30.0	95.3	95.3	7.2	7.2	7.5	7.5	10	75	10	74	75	822082	808803		<0.2	1.6			
						3.5	0.3	109	20.2	20.2	8.2	8.2	30.0	30.0	95.3	95.3	7.2	7.2	7.5	7.5	9	74	9	74	74	822082	808803		<0.2	1.8			
					Bottom	6.0	0.3	86	20.1	20.1	8.1	8.1	30.3	30.3	94.4	94.4	7.2	7.2	9.3	9.3	12	76	12	77	12	76	75		822082	808803	<0.2	1.6	
						6.0	0.3	94	20.1	20.1	8.1	8.1	30.3	30.3	94.4	94.4	7.2	7.2	9.3	9.3	12	77	12	77	12	76	75		822082	808803	<0.2	1.6	
IM10	Fine	Moderate	10:36	7.3	Surface	1.0	0.4	105	20.1	20.1	8.2	8.2	30.3	30.3	95.5	95.5	7.3	7.3	11.5	11.5	14	73	75	822219	809855	<0.2	1.1	1.3					
						1.0	0.5	109	20.1	20.1	8.2	8.2	30.3	30.3	95.5	95.5	7.3	7.3	11.5	11.5	14	74	14	74	75	822219	809855		<0.2	1.1			
					Middle	3.7	0.5	107	20.1	20.1	8.2	8.2	30.3	30.3	95.1	95.1	7.2	7.2	18.0	18.0	14	75	14	75	75	822219	809855		<0.2	1.2			
						3.7	0.5	110	20.1	20.1	8.2	8.2	30.3	30.3	95.1	95.1	7.2	7.2	18.0	18.0	14	75	14	75	75	822219	809855		<0.2	1.4			
					Bottom	6.3	0.3	99	20.1	20.1	8.2	8.2	30.4	30.4	94.3	94.3	7.2	7.2	29.0	29.0	28	76	28	76	28	76	75		822219	809855	<0.2	1.4	
						6.3	0.4	105	20.1	20.1	8.2	8.2	30.4	30.4	94.3	94.3	7.2	7.2	29.0	29.0	29	76	29	76	29	76	75		822219	809855	<0.2	1.6	
IM11	Fine	Moderate	10:24	8.2	Surface	1.0	0.2	90	20.1	20.1	8.2	8.2	30.4	30.4	96.0	96.0	7.3	7.3	11.1	11.1	13	73	75	821487	810554	<0.2	1.5	1.6					
						1.0	0.2	92	20.1	20.1	8.2	8.2	30.4	30.4	96.0	96.0	7.3	7.3	10.8	10.8	13	73	13	73	75	821487	810554		<0.2	1.3			
					Middle	4.1	0.3	95	20.2	20.2	8.2	8.2	30.3	30.3	95.1	95.1	7.2	7.2	11.5	11.5	13	74	13	74	75	821487	810554		<0.2	1.9			
						4.1	0.3	96	20.2	20.2	8.2	8.2	30.3	30.3	95.1	95.1	7.2	7.2	11.5	11.5	13	75	13	74	75	821487	810554		<0.2	1.8			
					Bottom	7.2	0.2	87	20.2	20.2	8.2	8.2	30.3	30.3	94.4	94.4	7.2	7.2	18.0	18.0	15	77	15	77	15	77	75		821487	810554	<0.2	1.6	
						7.2	0.2	92	20.2	20.2	8.2	8.2	30.3	30.3	94.4	94.4	7.2	7.2	18.0	18.0	15	78	15	78	15	77	75		821487	810554	<0.2	1.7	
IM12	Fine	Moderate	10:14	8.9	Surface	1.0	0.2	96	20.6	20.6	8.1	8.1	30.1	30.1	92.3	92.3	7.0	7.0	4.0	7.3	6	73	74	821180	811508	<0.2	1.8	1.7					
						1.0	0.2	103	20.6	20.6	8.1	8.1	30.1	30.1	92.3	92.3	7.0	7.0	4.0	7.3	6	73	6	73	74	821180	811508		<0.2	1.6			
					Middle	4.5	0.2	93	20.5	20.5	8.1	8.1	30.1	30.1	92.1	92.1	6.9	6.9	6.0	7.0	7	74	7	74	7	74	74		821180	811508	<0.2	1.7	
						4.5	0.3	93	20.5	20.5	8.1	8.1	30.1	30.1	92.1	92.1	6.9	6.9	6.0	7.0	8	74	8	74	8	74	74		821180	811508	<0.2	1.7	
					Bottom	7.9	0.2	97	20.5	20.5	8.1	8.1	30.1	30.1	92.1	92.1	7.0	7.0	7.9	7.9	14	76	14	76	14	76	74		821180	811508	<0.2	1.8	
						7.9	0.2	98	20.5	20.5	8.1	8.1	30.1	30.1	92.1	92.1	7.0	7.0	7.9	7.9	13	75	13	75	13	75	74		821180	811508	<0.2	1.6	
SR2	Fine	Moderate	09:47	4.8	Surface	1.0	0.2	37	20.6	20.6	8.0	8.0	30.3	30.3	91.8	91.8	6.9	6.9	2.7	7.3	5	73	74	821448	814162	<0.2	1.8	1.9					
						1.0	0.2	38	20.6	20.6	8.0	8.0	30.3	30.3	91.8	91.8	6.9	6.9	2.7	7.3	5	73	5	73	74	821448	814162		<0.2	1.8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	74		821448	814162	<0.2	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7		74	821448	814162	<0.2	-
					Bottom	3.8	0.1	40	20.6	20.6	8.0	8.0	31.1	31.1	92.2	92.2	6.9	6.9	1.9	7.5	10	75	10	75	10	75	74		821448	814162	<0.2	2.1	
						3.8	0.1	42	20.6	20.6	8.0	8.0	31.1	31.1	92.2	92.2	6.9	6.9	1.9	7.5	8	75	8	75	8	75	74		821448	814162	<0.2	1.9	
SR3	Fine	Moderate	10:59	8.9	Surface	1.0	0.4	176	20.5	20.5	8.1	8.1	29.6	29.6	95.4	95.4	7.2	7.2	3.8	7.2	6	-	-	822127	807571	-	-	-					
						1.0	0.5	186	20.5	20.5	8.1	8.1	29.6	29.6	95.4	95.4	7.2	7.2	3.8	7.2	6	-	-	-	-	822127	807571		-	-			
					Middle	4.5	0.2	180	20.3	20.3	8.1	8.1	29.9	29.9	95.0	95.0	7.2	7.2	5.9	7.2	7	-	-	-	-	-	822127		807571	-	-		
						4.5	0.2	181	20.3	20.3	8.1	8.1	29.9	29.9	95.0	95.0	7.2	7.2	5.9	7.2	7	-	-	-	-	-	-		822127	807571	-	-	
					Bottom	7.9	0.1	37	20.2	20.2	8.2	8.2	30.2	30.2	94.4	94.4	7.2	7.2	6.7	7.2	9	-	-	-	-	-	-		822127	807571	-	-	
						7.9	0.1	39	20.2	20.2	8.2	8.2	30.2	30.2	94.4	94.4	7.2	7.2	6.7	7.2	8	-	-	-	-	-	-		-	822127	807571	-	-
SR4A	Fine	Moderate	10:11	8.7	Surface	1.0	0.3	75	20.1	20.1	8.1	8.1	32.7	32.7	95.0	95.0	7.1	7.1	6.9	7.1	8	-	-	-	821762	807780	-	-	-				
						1.0	0.3	80	20.1	20.1	8.1	8.1	32.7	32.7	94.9	94.9	7.1	7.1	6.8	7.1	9	-	-	-	-	-	-	821762		807780	-	-	
					Middle	4.4	0.3	72	20.1	20.1	8.1	8.1	32.8	32.8	94.6	94.6	7.1	7.1	6.9	7.1	8	-	-	-	-	-	-	-		821762	807780	-	-
						4.4	0.3	73	20.1	20.1	8.1	8.1	32.8	32.8	94.6	94.6	7.1	7.1	6.9	7.1	9	-	-	-	-	-	-	-		-	821762	807780	-
					Bottom	7.7	0.2	71	20.0	20.0	8.0	8.0	32.8	32.8	94.0	94.0	7.0	7.0	7.6	7.0	8	-	-	-	-	-	-	-		-	-	-	-
						7.7	0.3	71	20.0	20.0	8.0	8.0	32.7	32.7	94.0	94.0	7.0	7.0	7.3	7.0	8	-	-	-	-	-	-	-		-	-	-	-
SR5A	Cloudy	Calm	09:53	5.0	Surface	1.0	0.1	138	19.6	19.6	8.1	8.1	32.0	32.0	93.1	93.1	7.1	7.1	5.9	7.1	9	-	-	-	821663	810703	-	-	-				
						1.0	0.1	148	19.6	19.6	8.1	8.1	32.0	32.0	93.0	93.0	7.1	7.1	5.9	7.1	9	-	-	-	-	-	-	-		821663	810703	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	4.0	0.1	133	19.6	19.6	8.0	8.0	32.0	32.0	92.8	92.8	7.0	7.0	5.7	7.0	13	-	-	-	-	-	-	-		-	-	-	-
						4.0	0.1	139	19.6	19.6	8.0	8.0	32.0	32.0	92.8	92.8	7.0	7.0	5.7	7.0	12	-	-	-	-	-	-	-		-	-	-	-
SR6	Cloudy	Moderate	09:30	4.3	Surface	1.0	0.1	65	20.3	20.3	8.0	8.0	31.1	31.1																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 December 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 ($\mu\text{g/L}$)		Nickel ($\mu\text{g/L}$)	
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	15:50	8.5	Surface	1.0	0.3	41	20.5	8.2	8.2	32.9	32.9	96.6	96.6	7.2	7.2	8.2	9.1	8	10	71	74	815642	804249	<u><0.2</u>	1.7	<0.2	1.7	
						1.0	0.4			44	20.5			8.2	8.2	32.9		32.9		96.6		96.6				7.2	7.9			9
					Middle	4.3	0.3	31	20.5	8.2	8.2	32.9	32.9	96.3	96.3	7.2	7.2	8.8	8	73	74	<0.2	1.7							
						4.3	0.3			31	20.5			8.2	8.2	32.9		32.9		96.3		96.3	7.2			8.7	8			73
					Bottom	7.5	0.4	34	20.5	8.2	8.2	32.9	32.9	96.3	96.3	7.2	7.2	10.2	10	77	77	<0.2	1.8							
						7.5	0.4			34	20.5			8.2	8.2	32.9		32.9		96.4		96.4	7.2			7.2	10.5			13
C2	Fine	Moderate	14:47	11.2	Surface	1.0	0.1	218	20.6	8.0	8.0	27.8	27.8	95.0	95.0	7.2	7.2	3.3	5.0	7	7	73	825704	806938	<0.2	2.3	<0.2	2.0		
						1.0	0.1			218	20.6			8.0	8.0	27.8		27.8		95.0		95.0			7.2	3.3			7	73
					Middle	5.6	0.1	244	20.5	8.0	8.0	28.6	28.6	94.2	94.2	7.2	7.2	5.2	6	74	74	<0.2			2.0					
						5.6	0.1			247	20.5			8.0	8.0	28.6		28.6		94.2		94.2			7.2	5.2			6	74
					Bottom	10.2	0.2	324	20.5	8.1	8.1	28.8	28.8	94.2	94.2	7.2	7.2	6.5	8	75	75	<0.2			1.9					
						10.2	0.2			344	20.5			8.1	8.1	28.8		28.8		94.2		94.2			7.2	6.5			8	75
C3	Fine	Moderate	16:40	12.2	Surface	1.0	0.4	273	21.1	8.0	8.0	28.3	28.3	89.2	89.2	6.7	6.7	4.5	5.9	5	7	73	822098	817794	<0.2	1.8	<0.2	1.5		
						1.0	0.4			298	21.1			8.0	8.0	28.3		28.3		89.2		89.2			6.7	4.5			5	73
					Middle	6.1	0.4	275	21.1	8.0	8.0	28.4	28.4	89.3	89.3	6.7	6.7	8.0	6	75	75	<0.2			1.5					
						6.1	0.4			298	21.1			8.0	8.0	28.4		28.4		89.3		89.3			6.7	8.0			6	75
					Bottom	11.2	0.3	275	21.1	8.0	8.0	28.8	28.8	91.6	91.6	6.9	6.9	5.1	10	77	76	<0.2			1.9					
						11.2	0.4			275	21.1			8.0	8.0	28.8		28.8		91.6		91.6			6.9	5.1			12	76
IM1	Cloudy	Moderate	15:30	7.4	Surface	1.0	0.2	30	20.1	8.2	8.2	32.4	32.4	97.5	97.5	7.3	7.3	5.2	7.1	6	6	71	818379	806459	<0.2	2.4	<0.2	2.1		
						1.0	0.3			30	20.1			8.2	8.2	32.4		32.4		97.4		97.4			7.3	5.2			5	72
					Middle	3.7	0.3	11	20.1	8.2	8.2	32.8	32.8	96.6	96.6	7.2	7.2	7.3	4	73	74	<0.2			2.3					
						3.7	0.3			11	20.1			8.2	8.2	32.8		32.8		96.5		96.5			7.2	7.7			6	73
					Bottom	6.4	0.2	7	20.1	8.1	8.1	32.8	32.8	96.4	96.4	7.2	7.2	8.8	7	76	76	<0.2			1.9					
						6.4	0.3			7	20.1			8.1	8.1	32.8		32.8		96.4		96.4			7.2	8.3			6	76
IM2	Cloudy	Moderate	15:24	8.4	Surface	1.0	0.2	1	20.2	8.2	8.2	32.1	32.1	96.8	96.7	7.3	7.2	5.6	8.0	7	7	72	818853	806166	<0.2	1.8	<0.2	1.8		
						1.0	0.2			1	20.1			8.2	8.2	32.2		32.2		96.6		96.6			7.2	5.8			6	72
					Middle	4.2	0.3	5	20.0	8.2	8.2	32.6	32.6	95.6	95.6	7.2	7.2	7.9	7	73	74	<0.2			2.0					
						4.2	0.3			5	20.0			8.2	8.2	32.6		32.6		95.6		95.6			7.2	8.2			7	73
					Bottom	7.4	0.3	29	20.0	8.2	8.2	32.7	32.7	95.6	95.7	7.2	7.2	10.3	8	76	76	<0.2			1.6					
						7.4	0.3			31	20.0			8.1	8.1	32.7		32.7		95.7		95.7			7.2	10.4			7	76
IM3	Cloudy	Moderate	15:16	8.4	Surface	1.0	0.2	340	20.2	8.2	8.2	32.0	32.0	97.1	97.0	7.3	7.3	5.0	6.7	6	7	72	819397	806011	<0.2	1.9	<0.2	1.8		
						1.0	0.2			313	20.2			8.2	8.2	32.0		32.0		96.9		96.9			7.3	5.1			6	72
					Middle	4.2	0.2	358	20.0	8.2	8.2	32.5	32.5	96.1	96.1	7.2	7.2	6.7	6	73	73	<0.2			1.6					
						4.2	0.3			329	20.0			8.2	8.2	32.5		32.5		96.0		96.0			7.2	7.0			7	73
					Bottom	7.4	0.2	12	20.0	8.2	8.2	32.6	32.6	96.0	96.0	7.2	7.2	8.1	7	75	75	<0.2			1.9					
						7.4	0.2			12	20.0			8.2	8.2	32.6		32.6		96.0		96.0			7.2	8.0			8	75
IM4	Cloudy	Moderate	15:09	7.8	Surface	1.0	0.2	344	20.1	8.2	8.2	32.2	32.2	97.2	97.2	7.3	7.3	7.0	7.5	9	10	71	819561	805024	<0.2	1.6	<0.2	1.3		
						1.0	0.2			356	20.1			8.2	8.2	32.2		32.2		97.1		97.1			7.3	7.2			8	71
					Middle	3.9	0.2	325	20.0	8.3	8.3	32.4	32.4	96.7	96.8	7.3	7.3	7.7	10	73	73	<0.2			1.9					
						3.9	0.2			338	20.0			8.3	8.3	32.4		32.4		96.8		96.8			7.3	7.5			10	73
					Bottom	6.8	0.2	346	20.0	8.2	8.2	32.5	32.5	96.5	96.5	7.2	7.2	7.8	12	75	75	<0.2			1.0					
						6.8	0.2			318	20.0			8.2	8.2	32.5		32.5		96.4		96.5			7.2	7.9			11	75
IM5	Cloudy	Moderate	14:59	6.8	Surface	1.0	0.2	322	20.2	8.2	8.2	31.9	31.9	97.0	97.0	7.3	7.3	5.1	5.4	6	6	73	820593	804945	<0.2	0.8	<0.2	0.9		
						1.0	0.3			348	20.2			8.2	8.2	31.9		31.9		97.0		97.0			7.3	5.2			5	73
					Middle	3.4	0.2	344	20.1	8.2	8.2	32.0	32.0	96.6	96.6	7.3	7.3	5.3	7	75	75	<0.2			1.0					
						3.4	0.2			353	20.1			8.2	8.2	32.0		32.0		96.6		96.6			7.3	5.4			7	75
					Bottom	5.8	0.1	10	20.1	8.2	8.2	32.0	32.0	96.4	96.4	7.3	7.3	5.6	6	76	76	<0.2			1.0					
						5.8	0.1			10	20.1			8.2	8.2	32.0		32.0		96.4		96.4			7.3	5.6			6	76
IM6	Cloudy	Moderate	14:51	6.8	Surface	1.0	0.2	294	20.2	8.2	8.2	31.8	31.8	95.5	95.5	7.2	7.2	6.2	7.3	6	9	73	821061	805844	<0.2	1.1	<0.2	1.1		
						1.0	0.2			296	20.2			8.2	8.2	31.8		31.8		95.5		95.5			7.2	6.4			7	73
					Middle	3.4	0.2	326	20.1	8.2	8.2	31.9	31.9	95.1	95.1	7.2	7.2	7.6	9	75	74	<0.2			1.1					
						3.4	0.2			339	20.1			8.2	8.2	31.9		31.9		95.1		95.1			7.2	7.7			10	75
					Bottom	5.8	0.3	329	20.1	8.1	8.1	32.0	32.0	95.2	95.3	7.2	7.2	8.2	12	75	75	<0.2			1.1					
						5.8	0.3			337	20.1			8.1	8.1	32.0		32.0		95.3		95.3			7.2	7.7			11	75
IM7	Cloudy	Moderate	14:44	8.1	Surface	1.0	0.2	257	20.3	8.2	8.2	31.7	31.7	95.3	95.3	7.2	7.1	6.9	10.1	7	9	73	821344	806821	<0.2	1.3	<0.2	1.2		
						1.0	0.2			264	20.3			8.2	8.2	31.7		31.7		95.2		95.2			7.1	7.0			6	73
					Middle	4.1	0.2	270	20.2	8.1	8.1	31.8	31.8	94.2	94.2	7.1	7.1	9.4	7	75	75	<0.2			1.2					
						4.1	0.3			273	20.2			8.1	8.1	31.8		31.8		94.2		94.2			7.1	9.4			6	75
					Bottom	7.1	0.2	277	20.2	8																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 December 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	Value	DA
IM9	Fine	Moderate	15:20	7.4	Surface	1.0	0.1	341	20.6	20.6	8.1	8.1	29.3	29.3	95.6	95.6	7.2	7.2	5.3	6	73	75	822109	808783	<0.2	<0.2	1.1	1.1				
						1.0	0.1	314	20.6	20.6	8.1	8.1	29.3	29.3	95.6	95.6	7.2	7.2	5.3	6	73	75										
					Middle	3.7	0.1	301	20.5	20.5	8.1	8.1	29.3	29.3	95.1	95.1	7.2	7.2	6.8	6	75	75	75									
						3.7	0.1	311	20.5	20.5	8.1	8.1	29.3	29.3	95.1	95.1	7.2	7.2	6.8	6	75	75	75									
					Bottom	6.4	0.1	252	20.5	20.5	8.1	8.1	29.2	29.2	94.8	94.8	7.2	7.2	6.3	6	75	75	75									
						6.4	0.1	269	20.5	20.5	8.1	8.1	29.2	29.2	94.8	94.8	7.2	7.2	6.3	6	77	77	77									
IM10	Fine	Moderate	15:28	7.8	Surface	1.0	0.4	294	20.6	20.6	8.1	8.1	28.3	28.3	96.2	96.2	7.3	7.3	3.2	4	73	75	822234	809836	<0.2	<0.2	1.2	1.2				
						1.0	0.4	323	20.6	20.6	8.1	8.1	28.3	28.3	96.2	96.2	7.3	7.3	3.2	4	73	75										
					Middle	3.9	0.4	308	20.4	20.4	8.1	8.1	28.4	28.4	95.6	95.6	7.3	7.3	4.7	6	75	74	74									
						3.9	0.4	332	20.4	20.4	8.1	8.1	28.4	28.4	95.6	95.6	7.3	7.3	4.7	6	74	74	74									
					Bottom	6.8	0.3	316	20.3	20.3	8.2	8.2	28.9	28.9	95.0	95.0	7.3	7.3	7.9	8	78	78	78									
						6.8	0.3	336	20.3	20.3	8.2	8.2	28.9	28.9	95.0	95.0	7.3	7.3	7.9	8	76	76	76									
IM11	Fine	Moderate	15:40	8.1	Surface	1.0	0.4	289	20.5	20.5	8.1	8.1	28.1	28.1	97.3	97.3	7.4	7.4	4.2	5	73	75	821518	810555	<0.2	<0.2	1.5	1.5				
						1.0	0.4	308	20.5	20.5	8.1	8.1	28.1	28.1	97.3	97.3	7.4	7.4	4.2	4	73	75										
					Middle	4.1	0.4	294	20.4	20.4	8.2	8.2	28.2	28.2	96.5	96.5	7.4	7.4	7.1	9	75	75	75									
						4.1	0.4	309	20.4	20.4	8.2	8.2	28.2	28.2	96.5	96.5	7.4	7.4	7.1	9	75	75	75									
					Bottom	7.1	0.3	294	20.3	20.3	8.2	8.2	28.4	28.4	95.7	95.7	7.3	7.3	11.4	11	77	77	77									
						7.1	0.3	321	20.3	20.3	8.2	8.2	28.4	28.4	95.7	95.7	7.3	7.3	11.4	12	77	77	77									
IM12	Fine	Moderate	15:48	8.9	Surface	1.0	0.4	272	20.4	20.4	8.2	8.2	29.6	29.6	95.9	95.9	7.3	7.3	7.1	3	73	75	821189	811542	<0.2	<0.2	1.4	1.4				
						1.0	0.4	276	20.4	20.4	8.2	8.2	29.6	29.6	95.9	95.9	7.3	7.3	7.1	5	73	75										
					Middle	4.5	0.5	278	20.3	20.3	8.2	8.2	29.7	29.7	95.4	95.4	7.3	7.3	9.2	7	75	75	75									
						4.5	0.5	292	20.3	20.3	8.2	8.2	29.7	29.7	95.4	95.4	7.3	7.3	9.2	8	75	75	75									
					Bottom	7.9	0.4	271	20.3	20.3	8.2	8.2	29.6	29.6	95.2	95.2	7.2	7.2	17.5	11	76	76	76									
						7.9	0.4	271	20.3	20.3	8.2	8.2	29.6	29.6	95.2	95.2	7.2	7.2	17.5	12	76	76	76									
SR2	Fine	Moderate	16:15	4.6	Surface	1.0	0.0	192	20.8	20.8	8.1	8.1	28.8	28.8	93.4	93.4	7.1	7.1	6.6	9	73	75	821439	814183	<0.2	<0.2	1.0	1.0				
						1.0	0.0	209	20.8	20.8	8.1	8.1	28.8	28.8	93.4	93.4	7.1	7.1	6.6	11	73	75										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.0	313	20.8	20.8	8.0	8.0	28.8	28.8	93.8	93.8	7.1	7.1	6.0	15	75	75	75									
						3.6	0.0	316	20.8	20.8	8.0	8.0	28.8	28.8	93.8	93.8	7.1	7.1	6.0	13	75	75	75									
SR3	Fine	Moderate	15:07	8.7	Surface	1.0	0.1	234	20.7	20.7	8.1	8.1	27.8	27.8	96.4	96.4	7.3	7.3	2.9	8	-	-	-	822172	807565	-	-	-	-			
						1.0	0.1	254	20.7	20.7	8.1	8.1	27.8	27.8	96.4	96.4	7.3	7.3	2.9	9	-	-	-									
					Middle	4.4	0.2	293	20.5	20.5	8.1	8.1	28.1	28.1	95.7	95.7	7.3	7.3	4.4	11	-	-	-	-	-							
						4.4	0.2	301	20.5	20.5	8.1	8.1	28.1	28.1	95.7	95.7	7.3	7.3	4.4	10	-	-	-									
					Bottom	7.7	0.2	311	20.5	20.5	8.1	8.1	28.3	28.3	95.4	95.4	7.3	7.3	4.6	10	-	-	-									
						7.7	0.2	335	20.5	20.5	8.1	8.1	28.3	28.3	95.4	95.4	7.3	7.3	4.6	11	-	-	-									
SR4A	Cloudy	Moderate	16:10	9.5	Surface	1.0	0.2	253	19.9	19.9	8.1	8.1	32.3	32.3	95.2	95.2	7.2	7.2	9.7	10	-	-	-	817184	807792	-	-	-	-			
						1.0	0.2	273	19.9	19.9	8.1	8.1	32.3	32.3	95.2	95.2	7.2	7.2	9.7	10	-	-	-									
					Middle	4.8	0.2	258	19.9	19.9	8.1	8.1	32.4	32.4	94.7	94.7	7.1	7.1	10.9	11	-	-	-									
						4.8	0.2	274	19.9	19.9	8.1	8.1	32.4	32.4	94.7	94.7	7.1	7.1	10.4	12	-	-	-									
					Bottom	8.5	0.1	272	19.9	19.9	8.0	8.0	32.5	32.5	94.8	94.8	7.1	7.1	9.1	14	-	-	-									
						8.5	0.2	273	19.9	19.9	8.0	8.0	32.5	32.5	95.0	95.0	7.1	7.1	9.3	13	-	-	-									
SR5A	Cloudy	Calm	16:27	4.8	Surface	1.0	0.2	285	19.9	19.9	8.1	8.1	32.1	32.1	95.9	95.9	7.2	7.2	7.7	12	-	-	-	816606	810684	-	-	-	-			
						1.0	0.2	295	19.9	19.9	8.1	8.1	32.1	32.1	95.9	95.9	7.2	7.2	7.8	12	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.8	0.2	291	19.9	19.9	8.1	8.1	32.1	32.1	95.6	95.6	7.2	7.2	8.4	20	-	-	-									
						3.8	0.2	313	19.9	19.9	8.1	8.1	32.1	32.1	95.6	95.6	7.2	7.2	8.7	18	-	-	-									
SR6	Cloudy	Moderate	16:51	4.5	Surface	1.0	0.1	232	20.6	20.6	8.2	8.2	32.4	32.4	91.0	91.0	6.8	6.8	10.3	16	-	-	-	817891	814634	-	-	-	-			
						1.0	0.1	254	20.6	20.6	8.2	8.2	32.5	32.4	91.0	91.0	6.8	6.8	10.3	14	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.5	0.1	224	20.6	20.6	8.2	8.2	32.5	32.5	91.2	91.2	6.8	6.8	12.2	16	-	-	-									
						3.5	0.1	245	20.6	20.6	8.2	8.2	32.5	32.5	91.3	91.3	6.8	6.8	12.4	16	-	-	-									
SR7	Fine	Moderate	17:15	16.8	Surface	1.0	0.1	45	21.1	21.1	8.0	8.0	28.5	28.5	86.6	86.6	6.5	6.5	2.7	10	-	-	-	823634	823743	-	-	-	-			
						1.0	0.1	48	21.1	21.1	8.0	8.0	28.5	28.5	86.6	86.6	6.5	6.5	2.7	9	-	-	-									
					Middle	8.4	0.1	56	21.1	21.1	8.0	8.0	28.6	28.6	86.8	86.8	6.5	6.5	3.0	10	-	-	-									
						8.4	0.2	58	21.1	21.1	8.0	8.0	28.6	28.6	86.8	86.8	6.5	6.5	3.0	10	-	-	-									
					Bottom	15.8	0.1	37	21.1	21.1	8.0	8.0	28.8	28.8	87.7	87.7	6.6	6.6	3.1	10	-	-	-									
						15.8	0.1	39	21.1	21.1	8.0	8.0	28.8	28.8	87.7	87.7	6.6	6.6	3.1	11	-	-	-									
SR8	Fine	Moderate	15:56	4.7	Surface	1.0	-	-	20.7	20.7	8.1	8.1	28.1	28.1																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 December 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
C1	Cloudy	Rough	11:34	8.2	Surface	1.0	0.2	159	19.7	19.7	8.1	8.1	30.7	30.7	96.4	96.4	7.4	7.4	15.0	15.0	16	73	74	815625	804270	<0.2	<0.2	1.3	1.3		
						1.0	0.3	168	19.7	8.1	8.1	30.7	30.7	96.4	96.4	7.4	7.4	15.0	15.0	16	73	74	815625	804270	<0.2	<0.2	1.3	1.3			
					Middle	4.1	0.1	225	19.7	19.7	8.1	8.1	30.6	30.6	96.2	96.2	7.3	7.3	7.4	7.4	15.2	15.2	15	73	74	815625	804270	<0.2	<0.2	1.3	1.3
						4.1	0.1	226	19.7	19.7	8.1	8.1	30.6	30.6	96.2	96.2	7.3	7.3	7.4	7.4	15.2	15.2	16	74	75	815625	804270	<0.2	<0.2	1.4	1.4
					Bottom	7.2	0.3	179	19.7	19.7	8.1	8.1	30.6	30.6	96.7	96.7	7.4	7.4	7.4	7.4	17.5	17.5	18	75	76	815625	804270	<0.2	<0.2	1.3	1.3
						7.2	0.3	185	19.7	19.7	8.1	8.1	30.6	30.6	96.7	96.7	7.4	7.4	7.4	7.4	17.5	17.5	20	76	77	815625	804270	<0.2	<0.2	1.3	1.3
C2	Cloudy	Rough	10:26	11.2	Surface	1.0	0.1	271	20.2	20.2	8.1	8.1	26.3	26.3	94.2	94.2	7.3	7.3	7.8	7.8	13	74	75	825704	806915	<0.2	<0.2	2.0	2.0		
						1.0	0.1	277	20.2	20.2	8.1	8.1	26.3	26.3	94.2	94.2	7.3	7.3	7.8	7.8	12	73	74	825704	806915	<0.2	<0.2	2.1	2.1		
					Middle	5.6	0.1	23	20.3	20.3	8.1	8.1	26.8	26.8	94.6	94.6	7.3	7.3	7.3	7.3	14.5	14.5	11	75	76	825704	806915	<0.2	<0.2	1.8	1.8
						5.6	0.1	24	20.3	20.3	8.1	8.1	26.8	26.8	94.6	94.6	7.3	7.3	7.3	7.3	14.5	14.5	13	75	76	825704	806915	<0.2	<0.2	1.9	1.9
					Bottom	10.2	0.1	276	20.3	20.3	8.1	8.1	28.7	28.7	96.0	96.0	7.3	7.3	7.3	7.3	28.8	28.8	15	76	77	825704	806915	<0.2	<0.2	2.0	2.0
						10.2	0.1	286	20.3	20.3	8.1	8.1	28.7	28.7	96.0	96.0	7.3	7.3	7.3	7.3	28.8	28.8	15	75	76	825704	806915	<0.2	<0.2	2.0	2.0
C3	Cloudy	Moderate	12:25	11.4	Surface	1.0	0.2	108	20.9	20.9	8.0	8.0	27.9	27.9	88.4	88.4	6.7	6.7	1.6	1.6	12	73	74	822137	817814	<0.2	<0.2	0.6	0.6		
						1.0	0.2	118	20.9	20.9	8.0	8.0	27.9	27.9	88.4	88.4	6.7	6.7	1.6	1.6	11	73	74	822137	817814	<0.2	<0.2	0.6	0.6		
					Middle	5.7	0.1	92	20.9	20.9	8.0	8.0	28.0	28.0	90.2	90.2	6.8	6.8	2.3	2.3	14	75	76	822137	817814	<0.2	<0.2	0.6	0.6		
						5.7	0.1	92	20.9	20.9	8.0	8.0	28.0	28.0	90.2	90.2	6.8	6.8	2.3	2.3	12	75	76	822137	817814	<0.2	<0.2	0.6	0.6		
					Bottom	10.4	0.2	70	20.9	20.9	8.0	8.0	28.3	28.3	93.5	93.5	7.1	7.1	2.0	2.0	14	77	78	822137	817814	<0.2	<0.2	0.6	0.6		
						10.4	0.2	74	20.9	20.9	8.0	8.0	28.3	28.3	93.5	93.5	7.1	7.1	2.0	2.0	12	77	78	822137	817814	<0.2	<0.2	0.6	0.6		
IM1	Cloudy	Rough	11:14	7.1	Surface	1.0	0.1	277	19.8	19.8	8.0	8.0	32.0	32.0	96.0	96.0	7.3	7.3	16.9	16.9	17	73	74	818376	806441	<0.2	<0.2	1.3	1.3		
						1.0	0.1	288	19.8	19.8	8.0	8.0	32.0	32.0	96.0	96.0	7.3	7.3	7.3	7.3	16.9	16.9	16	73	74	818376	806441	<0.2	<0.2	1.2	1.2
					Middle	3.6	0.1	203	19.8	19.8	8.0	8.0	31.9	31.9	95.8	95.8	7.2	7.2	20.6	20.6	19	74	75	818376	806441	<0.2	<0.2	1.4	1.4		
						3.6	0.1	221	19.8	19.8	8.0	8.0	31.9	31.9	95.8	95.8	7.2	7.2	20.6	20.6	18	74	75	818376	806441	<0.2	<0.2	1.4	1.4		
					Bottom	6.1	0.1	314	19.8	19.8	8.0	8.0	31.7	31.7	96.5	96.5	7.3	7.3	25.1	25.1	18	75	76	818376	806441	<0.2	<0.2	1.3	1.3		
						6.1	0.1	335	19.8	19.8	8.0	8.0	31.7	31.7	96.5	96.5	7.3	7.3	25.1	25.1	18	76	77	818376	806441	<0.2	<0.2	1.4	1.4		
IM2	Cloudy	Rough	11:06	8.2	Surface	1.0	0.1	73	19.8	19.8	8.0	8.0	31.9	31.9	96.8	96.8	7.3	7.3	14.0	14.0	17	73	74	818858	806210	<0.2	<0.2	0.9	0.9		
						1.0	0.1	77	19.8	19.8	8.0	8.0	31.9	31.9	96.8	96.8	7.3	7.3	7.3	7.3	14.0	14.0	16	73	74	818858	806210	<0.2	<0.2	0.9	0.9
					Middle	4.1	0.1	25	19.8	19.8	8.0	8.0	31.8	31.8	96.6	96.6	7.3	7.3	14.5	14.5	19	74	75	818858	806210	<0.2	<0.2	0.8	0.8		
						4.1	0.1	26	19.8	19.8	8.0	8.0	31.8	31.8	96.6	96.6	7.3	7.3	14.5	14.5	18	74	75	818858	806210	<0.2	<0.2	0.9	0.9		
					Bottom	7.2	0.1	24	19.8	19.8	8.0	8.0	31.6	31.6	97.0	97.0	7.3	7.3	17.0	17.0	21	76	77	818858	806210	<0.2	<0.2	0.9	0.9		
						7.2	0.1	25	19.8	19.8	8.0	8.0	31.6	31.6	97.0	97.0	7.3	7.3	17.0	17.0	21	76	77	818858	806210	<0.2	<0.2	1.0	1.0		
IM3	Cloudy	Rough	10:59	8.0	Surface	1.0	0.1	97	19.8	19.8	8.1	8.1	31.7	31.7	96.9	96.9	7.3	7.3	13.4	13.4	14	73	74	819423	806004	<0.2	<0.2	1.0	1.0		
						1.0	0.1	98	19.8	19.8	8.1	8.1	31.7	31.7	96.9	96.9	7.3	7.3	13.4	13.4	12	73	74	819423	806004	<0.2	<0.2	1.1	1.1		
					Middle	4.0	0.0	38	19.8	19.8	8.1	8.1	31.7	31.7	96.5	96.5	7.3	7.3	15.2	15.2	15	74	75	819423	806004	<0.2	<0.2	0.9	0.9		
						4.0	0.0	40	19.8	19.8	8.1	8.1	31.7	31.7	96.5	96.5	7.3	7.3	15.2	15.2	16	74	75	819423	806004	<0.2	<0.2	1.0	1.0		
					Bottom	7.0	0.1	71	19.8	19.8	8.1	8.1	31.6	31.6	96.8	96.8	7.3	7.3	16.7	16.7	17	75	76	819423	806004	<0.2	<0.2	1.2	1.2		
						7.0	0.1	73	19.8	19.8	8.1	8.1	31.6	31.6	96.8	96.8	7.3	7.3	16.7	16.7	16	76	77	819423	806004	<0.2	<0.2	1.1	1.1		
IM4	Cloudy	Rough	10:51	7.6	Surface	1.0	0.2	32	19.7	19.7	8.0	8.0	31.3	31.3	96.4	96.4	7.3	7.3	16.4	16.4	16	72	73	819561	805024	<0.2	<0.2	1.1	1.1		
						1.0	0.2	32	19.7	19.7	8.0	8.0	31.3	31.3	96.4	96.4	7.3	7.3	16.4	16.4	17	72	73	819561	805024	<0.2	<0.2	1.2	1.2		
					Middle	3.8	0.1	339	19.8	19.8	8.0	8.0	31.3	31.3	96.3	96.3	7.3	7.3	18.6	18.6	17	73	74	819561	805024	<0.2	<0.2	1.1	1.1		
						3.8	0.1	312	19.8	19.8	8.0	8.0	31.3	31.3	96.3	96.3	7.3	7.3	18.6	18.6	19	73	74	819561	805024	<0.2	<0.2	1.1	1.1		
					Bottom	6.6	0.0	58	19.8	19.8	8.1	8.1	31.3	31.3	96.7	96.7	7.3	7.3	24.6	24.6	21	75	76	819561	805024	<0.2	<0.2	1.1	1.1		
						6.6	0.0	59	19.8	19.8	8.1	8.1	31.3	31.3	96.7	96.7	7.3	7.3	24.6	24.6	21	75	76	819561	805024	<0.2	<0.2	1.2	1.2		
IM5	Cloudy	Rough	10:42	6.7	Surface	1.0	0.1	190	19.8	19.8	8.1	8.1	31.5	31.5	96.9	96.9	7.4	7.4	20.2	20.2	23	73	74	820548	804944	<0.2	<0.2	1.1	1.1		
						1.0	0.1	195	19.8	19.8	8.1	8.1	31.5	31.5	96.9	96.9	7.4	7.4	22.5	22.5	22	73	74	820548	804944	<0.2	<0.2	0.9	0.9		
					Middle	3.4	0.0	158	19.8	19.8	8.1	8.1	31.4	31.4	97.0	97.0	7.4	7.4	22.5	22.5	24	74	75	820548	804944	<0.					

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

Water Quality Monitoring Results on 16 December 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	Rough	11:10	7.0	Surface	1.0	0.1	123	20.1	20.1	8.2	8.2	28.4	28.4	96.5	96.5	7.4	7.4	17.3	17.3	18	73	75	822107	808808	<0.2	1.4	1.4	1.4							
						1.0	0.1	126	20.1	20.1	8.2	8.2	28.4	28.4	96.5	96.5	7.4	7.4	17.3	17.3	18	74	75							<0.2	1.4	1.4				
						3.5	0.1	80	20.1	20.1	8.3	8.3	28.7	28.7	97.1	97.1	7.5	7.5	19.5	19.5	20	75	75							<0.2	1.4	1.4	1.4			
						3.5	0.2	85	20.1	20.1	8.3	8.3	28.7	28.7	97.1	97.1	7.5	7.5	19.5	19.5	22	75	75							<0.2	1.5	1.5	1.3			
						6.0	0.2	57	20.1	20.1	8.3	8.3	29.3	29.3	98.0	98.1	7.5	7.5	22.1	22.1	20	75	75							<0.2	1.3	1.3	1.3			
						6.0	0.2	62	20.1	20.1	8.3	8.3	29.3	29.3	98.0	98.1	7.5	7.5	22.2	22.2	20	77	77							<0.2	1.3	1.3	1.3			
IM10	Cloudy	Rough	11:19	6.3	Surface	1.0	0.1	70	20.2	20.2	8.2	8.2	28.8	28.8	97.0	97.0	7.4	7.4	13.4	13.4	18	73	75	822235	809860	<0.2	1.4	1.4	1.4	1.3						
						1.0	0.1	75	20.2	20.2	8.2	8.2	28.8	28.8	97.0	97.0	7.4	7.4	13.4	13.4	19	73	75							<0.2	1.3	1.3	1.3			
						3.2	0.1	28	20.3	20.3	8.1	8.1	29.3	29.3	97.8	97.8	7.4	7.4	11.2	11.2	20	74	75							<0.2	1.4	1.4	1.2			
						3.2	0.1	30	20.3	20.3	8.1	8.1	29.3	29.3	97.8	97.8	7.4	7.4	11.2	11.2	19	75	75							<0.2	1.2	1.2	1.2			
						5.3	0.1	31	20.3	20.3	8.1	8.1	29.8	29.8	99.7	99.7	7.6	7.6	10.8	10.8	19	76	76							<0.2	1.2	1.2	1.2			
						5.3	0.1	33	20.3	20.3	8.1	8.1	29.8	29.8	99.7	99.7	7.6	7.6	10.8	10.8	20	76	76							<0.2	1.0	1.0	1.0			
IM11	Cloudy	Rough	11:29	7.8	Surface	1.0	0.1	150	20.4	20.4	8.1	8.1	29.3	29.3	96.2	96.2	7.3	7.3	6.0	6.0	12	74	75	821492	810550	<0.2	0.9	0.9	0.8							
						1.0	0.1	154	20.4	20.4	8.1	8.1	29.3	29.3	96.2	96.2	7.3	7.3	6.0	6.0	12	74	75							<0.2	1.0	1.0	1.0			
						3.9	0.1	137	20.4	20.4	8.1	8.1	29.6	29.6	96.8	96.8	7.3	7.3	6.8	6.8	11	74	75							<0.2	0.7	0.7	0.8			
						3.9	0.1	137	20.4	20.4	8.1	8.1	29.6	29.6	96.8	96.8	7.3	7.3	6.8	6.8	11	75	75							<0.2	0.9	0.9	0.9			
						6.8	0.0	170	20.4	20.4	8.1	8.1	29.8	29.8	98.4	98.4	7.5	7.5	9.2	9.2	12	77	77							<0.2	0.6	0.6	0.6			
						6.8	0.0	181	20.4	20.4	8.1	8.1	29.8	29.8	98.4	98.4	7.5	7.5	9.2	9.2	11	77	77							<0.2	0.5	0.5	0.5			
IM12	Cloudy	Rough	11:38	8.5	Surface	1.0	0.2	146	20.5	20.5	8.1	8.1	29.3	29.3	95.4	95.4	7.2	7.2	5.4	5.4	7	73	74	821144	811532	<0.2	0.6	0.6	0.6							
						1.0	0.2	159	20.5	20.5	8.1	8.1	29.3	29.3	95.4	95.4	7.2	7.2	5.4	5.4	6	73	75							<0.2	0.5	0.5	0.6			
						4.3	0.2	135	20.5	20.5	8.1	8.1	29.5	29.5	96.0	96.0	7.3	7.3	5.9	5.9	8	75	74							<0.2	0.6	0.6	0.6			
						4.3	0.2	143	20.5	20.5	8.1	8.1	29.5	29.5	96.0	96.0	7.3	7.3	5.9	5.9	8	74	75							<0.2	0.6	0.6	0.6			
						7.5	0.2	151	20.5	20.5	8.1	8.1	29.8	29.8	98.5	98.5	7.5	7.5	6.0	6.0	8	76	75							<0.2	0.6	0.6	0.6			
						7.5	0.2	152	20.5	20.5	8.1	8.1	29.8	29.8	98.5	98.5	7.5	7.5	6.0	6.0	8	75	75							<0.2	0.6	0.6	0.6			
SR2	Cloudy	Moderate	12:03	3.9	Surface	1.0	0.1	131	20.5	20.5	8.1	8.1	28.6	28.6	97.3	97.3	7.4	7.4	6.7	6.7	8	73	74	821449	814158	<0.2	0.6	0.6	0.6							
						1.0	0.1	141	20.5	20.5	8.1	8.1	28.6	28.6	97.3	97.3	7.4	7.4	6.7	6.7	8	73	74							<0.2	0.5	0.5	0.5			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
						2.9	0.1	150	20.5	20.5	8.1	8.1	28.9	28.9	98.9	98.9	7.5	7.5	9.0	9.0	8	75	74								<0.2	0.5	0.5	0.6		
						2.9	0.1	162	20.5	20.5	8.1	8.1	28.9	28.9	98.9	98.9	7.5	7.5	9.0	9.0	10	74	74							<0.2	0.6	0.6	0.6			
SR3	Cloudy	Rough	10:54	9.0	Surface	1.0	0.1	107	20.1	20.1	8.2	8.2	27.4	27.4	96.1	96.1	7.4	7.4	15.4	15.4	14	-	-	822146	807581	-	-	-	-	-						
						1.0	0.2	114	20.1	20.1	8.2	8.2	27.4	27.4	96.1	96.1	7.4	7.4	15.4	15.4	13	-	-	-												
						4.5	0.2	81	20.1	20.1	8.2	8.2	27.7	27.7	96.4	96.4	7.4	7.4	11.2	11.2	14	-	-	-												
						4.5	0.2	83	20.1	20.1	8.2	8.2	27.7	27.7	96.4	96.4	7.4	7.4	11.2	11.2	14	-	-	-												
						8.0	0.1	20	20.1	20.1	8.2	8.2	28.3	28.3	97.4	97.4	7.5	7.5	12.1	12.1	14	-	-	-												
						8.0	0.1	20	20.1	20.1	8.2	8.2	28.3	28.3	97.4	97.4	7.5	7.5	12.1	12.1	15	-	-	-												
SR4A	Cloudy	Moderate	12:02	8.7	Surface	1.0	0.2	72	19.7	19.7	8.1	8.1	31.8	31.8	95.4	95.4	7.2	7.2	17.9	17.9	12	-	-	821780	807801	-	-	-	-	-						
						1.0	0.2	72	19.7	19.7	8.1	8.1	31.8	31.8	95.4	95.4	7.2	7.2	18.0	18.0	12	-	-	-												
						4.4	0.2	69	19.7	19.7	8.1	8.1	31.7	31.7	95.2	95.2	7.2	7.2	20.9	20.9	14	-	-	-												
						4.4	0.2	73	19.7	19.7	8.1	8.1	31.7	31.7	95.2	95.2	7.2	7.2	20.9	20.9	13	-	-	-												
						7.7	0.2	62	19.7	19.7	8.2	8.2	31.6	31.6	95.3	95.3	7.2	7.2	23.9	23.9	19	-	-	-												
						7.7	0.2	62	19.7	19.7	8.2	8.2	31.6	31.6	95.3	95.3	7.2	7.2	23.9	23.9	17	-	-	-												
SR5A	Cloudy	Moderate	12:19	4.6	Surface	1.0	0.1	7	19.8	19.8	7.9	7.9	31.3	31.3	94.9	94.9	7.2	7.2	7.5	7.5	8	-	-	821653	810667	-	-	-	-	-						
						1.0	0.1	7	19.8	19.8	7.9	7.9	31.3	31.3	94.9	94.9	7.2	7.2	7.5	7.5	8	-	-	-												
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
						3.6	0.0	304	19.8	19.8	7.9	7.9	30.9	30.9	96.9	96.9	7.4	7.4	7.3	7.3	8	-	-	-												
						3.6	0.0	320	19.8	19.8	7.9	7.9	30.9	30.9	96.9	96.9	7.4	7.4	7.3	7.3	9	-	-	-												
						1.0	0.1	62	19.9	19.9	7.9	7.9	31.3	31.3	94.2	94.2	7.1	7.1	8.1	8.1	9	-	-	-												
SR6	Cloudy	Moderate	12:44																																	

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

Water Quality Monitoring Results on 16 December 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	Rough	07:12	8.0	Surface	1.0	0.2	54	19.7			8.1	8.1	31.0	31.0	96.3	96.3	7.3		13.3		16		73		815617	804219			<0.2		1.0							
						1.0	0.2	55	19.7	19.7	8.1	8.1	31.0	31.0	96.3	96.3	7.3	7.3	13.3	13.3	15	15	73	73							<0.2		1.0						
					Middle	4.0	0.2	49	19.7	19.7	8.1	8.1	31.0	31.0	95.8	95.8	7.3	7.3	14.5	14.5	14	14	73	73	15	15	75	75			<0.2	<0.2	0.9	1.0					
						4.0	0.2	50	19.7	19.7	8.1	8.1	31.0	31.0	95.8	95.8	7.3	7.3	14.5	14.5	14	14	73	73	15	15	75	75			<0.2	<0.2	0.9	1.0					
					Bottom	7.0	0.1	44	19.7	19.7	8.1	8.1	31.3	31.3	95.4	95.4	7.3	7.3	20.6	20.6	14	14	75	75	14	14	75	75			<0.2	<0.2	1.1	1.1					
						7.0	0.1	46	19.7	19.7	8.1	8.1	31.3	31.3	95.4	95.4	7.3	7.3	20.6	20.6	16	16	75	75	16	16	75	75			<0.2	<0.2	1.1	1.1					
C2	Fine	Rough	08:10	11.2	Surface	1.0	0.2	41	20.3	20.3	8.0	8.0	26.6	26.6	94.1	94.1	7.3		4.7		8		73		825705	806940			<0.2		1.4								
						1.0	0.2	41	20.3	20.3	8.0	8.0	26.6	26.6	94.1	94.1	7.3	7.3	4.7	4.7	8	8	73	73							<0.2	<0.2	1.3	1.4					
					Middle	5.6	0.1	3	20.4	20.4	8.0	8.0	26.9	26.9	94.4	94.4	7.3	7.3	5.4	5.4	8	8	74	74	8	8	74	74			<0.2	<0.2	1.4	1.4					
						5.6	0.1	3	20.4	20.4	8.0	8.0	26.9	26.9	94.4	94.4	7.3	7.3	5.4	5.4	8	8	74	74	8	8	76	76			<0.2	<0.2	1.4	1.4					
					Bottom	10.2	0.2	346	20.4	20.4	8.0	8.0	27.2	27.2	95.5	95.5	7.3	7.3	5.9	5.9	9	9	76	76	9	9	75	75			<0.2	<0.2	1.3	1.3					
						10.2	0.2	349	20.4	20.4	8.0	8.0	27.2	27.2	95.5	95.5	7.3	7.3	5.9	5.9	9	9	75	75	9	9	75	75			<0.2	<0.2	1.3	1.3					
C3	Fine	Moderate	06:17	11.1	Surface	1.0	0.5	266	20.7	20.7	8.1	8.1	28.9	28.9	94.5	94.5	7.2		5.3		9		74		822108	817786			<0.2		0.6								
						1.0	0.5	267	20.7	20.7	8.1	8.1	28.9	28.9	94.5	94.5	7.2	7.2	5.3	5.3	9	9	73	73							<0.2	<0.2	0.5	0.6					
					Middle	5.6	0.4	273	20.7	20.7	8.1	8.1	29.1	29.1	95.1	95.1	7.2	7.2	8.9	8.9	9	9	75	75	9	9	75	75			<0.2	<0.2	0.6	0.6					
						5.6	0.4	276	20.7	20.7	8.1	8.1	29.1	29.1	95.1	95.1	7.2	7.2	9.1	9.1	8	8	75	75	8	8	76	76			<0.2	<0.2	0.6	0.6					
					Bottom	10.1	0.4	271	20.7	20.7	8.1	8.1	29.5	29.5	96.3	96.3	7.3	7.3	11.7	11.7	10	10	77	77	10	10	77	77			<0.2	<0.2	0.7	0.7					
						10.1	0.4	290	20.7	20.7	8.1	8.1	29.5	29.5	96.3	96.3	7.3	7.3	11.7	11.7	9	9	76	76	9	9	76	76			<0.2	<0.2	0.6	0.6					
IM1	Cloudy	Rough	07:29	7.2	Surface	1.0	0.4	9	19.9	19.9	8.2	8.2	31.2	31.2	95.4	95.4	7.2		19.4		21		73		818374	806435			<0.2		0.8								
						1.0	0.5	9	19.9	19.9	8.2	8.2	31.2	31.2	95.4	95.4	7.2	7.2	19.4	19.4	21	21	73	73							<0.2	<0.2	0.8	0.9					
					Middle	3.6	0.3	7	19.9	19.9	8.2	8.2	31.0	31.0	95.4	95.4	7.2	7.2	21.5	21.5	21	21	73	73	21	21	74	74			<0.2	<0.2	0.9	0.9					
						3.6	0.3	7	19.9	19.9	8.2	8.2	31.0	31.0	95.4	95.4	7.2	7.2	21.5	21.5	21	21	74	74	21	21	75	75			<0.2	<0.2	0.9	0.9					
					Bottom	6.2	0.3	-	19.9	19.9	8.0	8.0	30.7	30.7	95.5	95.5	7.3	7.3	24.9	24.9	20	20	75	75	20	20	75	75			<0.2	<0.2	0.8	0.8					
						6.2	0.3	-	19.9	19.9	8.0	8.0	30.7	30.7	95.5	95.5	7.3	7.3	24.9	24.9	21	21	75	75	21	21	75	75			<0.2	<0.2	0.9	0.9					
IM2	Cloudy	Rough	07:38	8.3	Surface	1.0	0.4	22	20.0	20.0	8.1	8.1	31.3	31.3	94.9	94.9	7.2		19.1		19		73		818868	806212			<0.2		1.6								
						1.0	0.4	23	20.0	20.0	8.1	8.1	31.3	31.3	94.9	94.9	7.2	7.2	19.1	19.1	20	20	73	73	20	20	74	74			<0.2	<0.2	1.6	1.6					
					Middle	4.2	0.4	28	20.0	20.0	8.2	8.2	31.2	31.2	94.9	94.9	7.2	7.2	20.4	20.4	20	20	73	73	20	20	74	74			<0.2	<0.2	2.0	2.0					
						4.2	0.4	28	20.0	20.0	8.2	8.2	31.2	31.2	94.9	94.9	7.2	7.2	20.4	20.4	20	20	74	74	20	20	74	74			<0.2	<0.2	2.4	2.4					
					Bottom	7.3	0.3	25	20.0	20.0	8.1	8.1	31.0	31.0	95.0	95.0	7.2	7.2	24.4	24.4	23	23	76	76	23	23	76	76			<0.2	<0.2	2.0	2.0					
						7.3	0.3	27	20.0	20.0	8.1	8.1	31.0	31.0	95.0	95.0	7.2	7.2	24.4	24.4	25	25	76	76	25	25	76	76			<0.2	<0.2	1.7	1.7					
IM3	Cloudy	Rough	07:45	7.8	Surface	1.0	0.2	19	19.9	19.9	8.2	8.2	31.0	31.0	94.8	94.8	7.2		13.5		14		72		819434	806027			<0.2		1.8								
						1.0	0.2	19	19.9	19.9	8.2	8.2	31.0	31.0	94.8	94.8	7.2	7.2	13.5	13.5	14	14	73	73							<0.2	<0.2	2.0	2.0					
					Middle	3.9	0.2	352	19.9	19.9	8.2	8.2	31.1	31.1	94.7	94.7	7.2	7.2	16.1	16.1	16	16	73	73	16	16	74	74			<0.2	<0.2	2.1	2.1					
						3.9	0.2	356	19.9	19.9	8.2	8.2	31.1	31.1	94.7	94.7	7.2	7.2	16.1	16.1	16	16	74	74	16	16	74	74			<0.2	<0.2	1.9	1.9					
					Bottom	6.8	0.2	6	20.0	20.0	8.2	8.2	31.1	31.1	95.0	95.0	7.2	7.2	21.0	21.0	21	21	75	75	21	21	75	75			<0.2	<0.2	1.5	1.5					
						6.8	0.2	6	20.0	20.0	8.2	8.2	31.1	31.1	95.0	95.0	7.2	7.2	21.0	21.0	21	21	75	75	21	21	75	75			<0.2	<0.2	1.5	1.5					
IM4	Cloudy	Rough	07:53	7.3	Surface	1.0	0.3	13	19.9	19.9	8.2	8.2	31.6	31.6	95.6	95.6	7.2		17.0		15		72		819541	805028			<0.2		2.2								
						1.0	0.4	14	19.9	19.9	8.2	8.2	31.6	31.6	95.6	95.6	7.2	7.2	17.0	17.0	16	16	72	72							<0.2	<0.2	2.0	2.0					
					Middle	3.7	0.3	24	20.0	20.0	8.2	8.2	31.6	31.6	95.5	95.5	7.2	7.2	22.1	22.1	16	16	73	73	16	16	73	73			<0.2	<0.2	2.1	2.1					
						3.7	0.4	24	20.0	20.0	8.2	8.2	31.6	31.6	95.5	95.5	7.2	7.2	22.3	22.3	17	17	73	73	17	17	73	73			<0.2	<0.2	2.0	2.0					
					Bottom	6.3	0.2	70	20.0	20.0	8.0	8.0	31.5	31.5	95.7	95.7	7.2	7.2	25.1	25.1	17	17	75	75	17	17	75	75			<0.2	<0.2	1.9	1.9					
						6.3	0.2	76	20.0	20.0	8.0	8.0	31.5	31.5	95.7	95.7	7.2	7.2	25.3	25.3	17	17	75	75	17	17	75	75			<0.2	<0.2	1.9	1.9					
IM5	Cloudy	Rough	08:06	6.4	Surface	1.0	0.3	12	20.0	20.0	7.9	7.9	31.5	31.5	94.6	94.6	7.2		17.8		21		73		820543	804894			<0.2		1.4								
						1.0	0.3	12	20.0	20.0	7.9	7.9	31.5	31.5	94.6	94.6	7.2	7.2	17.8	17.8	22	22	73	73							<0.2	<0.2	1.2	1.2					
					Middle	3.2	0.3	8	20.0	20.0	7.8	7.8	31.3	31.3	94.5	94.5	7.2	7.2	19.2	19.2	25	25	74	74	25	25	74	74			<0.2	<0.2	1.2	1.2					
						3.2	0.3	8	20.0	20.0	7.8	7.8	31.3	31.3	94.5	94.5	7.2	7.2	19.2	19.2	24	24	74	74	24	24	74	74			<0.2	<0.2	1.1	1.1					
					Bottom	5.4	0.3	334	20.0	20.0	7.7	7.7	31.1	31.1	94.7	94.7	7.2	7.2	22.6	22.6	26	26	75	75	26	26	75	75			<0.2	<0.2	1.3	1.3					
						5.4	0.3	307	20.0	20.0	7.7	7.7	31.1	31.1	94.7	94.7	7.2	7.2	22.7	22.7	25	25	76	76	25	25	76	76			<0.2	<0.2	1.2	1.2					
IM6	Cloudy	Rough	08:14	6.7																																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 December 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	Value	DA
C1	Fine	Rough	13:25	8.5	Surface	1.0	0.2	151	17.5	8.1	8.1	32.4	32.4	99.3	99.3	7.8	7.8	17.1	7.8	16	73	73	73	815609	804244	<0.2	<0.2	1.0	1.1					
						1.0	0.2	160	17.5	8.1	8.1	32.4	32.4	99.2	99.2	7.8	7.8	16.1	7.8	18	73	73	73	<0.2	<0.2	1.2	1.2							
						4.3	0.1	180	17.6	8.0	8.0	32.6	32.7	99.5	99.5	7.8	7.8	15.3	7.8	19	72	18	72	<0.2	<0.2	1.1	1.1							
					Middle	4.3	0.1	182	17.6	8.0	8.0	32.7	32.7	99.5	99.5	7.8	7.8	15.5	7.8	17	72	17	72	<0.2	<0.2	1.2	1.2	<0.2	<0.2	1.1	1.1			
						7.5	0.1	124	17.5	8.0	8.0	32.2	32.2	100.1	100.1	7.9	7.9	15.9	7.9	18	75	17	75	<0.2	<0.2	1.2	1.2	<0.2	<0.2	1.1	1.1			
						7.5	0.1	134	17.5	8.0	8.0	32.2	32.2	100.4	100.3	7.9	7.9	15.6	7.9	17	75	17	75	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0			
					C2	Sunny	Rough	12:08	11.8	Surface	1.0	0.1	357	17.5	8.1	8.1	32.4	32.4	96.0	96.1	7.6	7.6	7.0	7.6	10	71	71	73	825662	806927	<0.2	<0.2	1.0	1.2
											1.0	0.1	328	17.5	8.1	8.1	32.4	32.4	96.1	96.1	7.6	7.6	7.0	7.6	8	71	71	73	<0.2	<0.2	1.0	1.0		
											5.9	0.1	32	17.5	8.1	8.1	32.4	32.4	96.5	96.5	7.6	7.6	7.3	7.4	9	73	10	73	<0.2	<0.2	1.2	1.2		
Middle	5.9	0.2	33	17.5						8.1	8.1	32.4	32.4	96.6	96.6	7.6	7.6	7.4	7.4	10	73	10	73	<0.2	<0.2	1.1	1.1	<0.2	<0.2	1.2	1.2			
	10.8	0.2	353	17.5						8.1	8.1	32.4	32.4	98.5	98.5	7.8	7.8	8.2	8.2	16	75	16	75	<0.2	<0.2	1.2	1.2	<0.2	<0.2	1.2	1.2			
	10.8	0.2	355	17.5						8.1	8.1	32.4	32.4	99.0	98.8	7.8	7.8	8.1	8.1	17	75	17	75	<0.2	<0.2	1.5	1.5	<0.2	<0.2	1.5	1.5			
Bottom	1.0	0.2	117	19.1						8.1	8.1	32.7	32.7	97.3	97.4	7.4	7.4	2.1	2.1	6	72	6	72	<0.2	<0.2	0.9	0.9	<0.2	<0.2	0.8	0.8			
	1.0	0.2	122	19.1						8.1	8.1	32.7	32.7	97.4	97.4	7.4	7.4	2.1	2.1	7	71	7	71	<0.2	<0.2	0.8	0.8	<0.2	<0.2	0.8	0.8			
	5.7	0.2	112	19.0						8.1	8.1	32.6	32.6	100.6	100.8	7.7	7.7	4.1	4.1	7	73	7	73	<0.2	<0.2	0.7	0.7	<0.2	<0.2	0.9	0.9			
Middle	5.7	0.2	113	19.0	8.1	8.1	32.6	32.6	101.0	100.8	7.7	7.7	4.2	4.2	8	73	8	73	<0.2	<0.2	0.7	0.7	<0.2	<0.2	0.9	0.9								
	10.3	0.1	95	19.2	8.1	8.1	32.7	32.7	101.2	101.4	7.7	7.7	2.8	2.8	9	75	9	75	<0.2	<0.2	0.6	0.6	<0.2	<0.2	0.6	0.6								
	10.3	0.1	95	19.2	8.1	8.1	32.7	32.7	101.6	101.4	7.7	7.7	3.0	3.0	9	75	9	75	<0.2	<0.2	0.6	0.6	<0.2	<0.2	0.8	0.8								
C3	Sunny	Moderate	14:00	11.3	Surface	1.0	0.2	117	19.1	8.1	8.1	32.7	32.7	97.3	97.4	7.4	7.4	2.1	2.1	6	72	6	72	822111	817807	<0.2	<0.2	0.9	0.8					
						1.0	0.2	122	19.1	8.1	8.1	32.7	32.7	97.4	97.4	7.4	7.4	2.1	2.1	7	71	7	71	<0.2	<0.2	0.8	0.8	<0.2	<0.2	0.8	0.8			
						5.7	0.2	112	19.0	8.1	8.1	32.6	32.6	100.6	100.8	7.7	7.7	4.1	4.1	7	73	7	73	<0.2	<0.2	0.7	0.7	<0.2	<0.2	0.9	0.9			
					Middle	5.7	0.2	113	19.0	8.1	8.1	32.6	32.6	101.0	100.8	7.7	7.7	4.2	4.2	8	73	8	73	<0.2	<0.2	0.7	0.7	<0.2	<0.2	0.9	0.9			
						10.3	0.1	95	19.2	8.1	8.1	32.7	32.7	101.2	101.4	7.7	7.7	2.8	2.8	9	75	9	75	<0.2	<0.2	0.6	0.6	<0.2	<0.2	0.6	0.6			
						10.3	0.1	95	19.2	8.1	8.1	32.7	32.7	101.6	101.4	7.7	7.7	3.0	3.0	9	75	9	75	<0.2	<0.2	0.6	0.6	<0.2	<0.2	0.8	0.8			
					Bottom	1.0	0.2	85	17.6	8.1	8.1	32.6	32.6	99.1	99.1	7.8	7.8	18.8	18.8	18	73	18	73	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.1			
						1.0	0.2	89	17.6	8.1	8.1	32.6	32.6	99.1	99.1	7.8	7.8	18.7	18.7	17	73	17	73	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.1			
						3.6	0.2	74	17.5	8.0	8.0	32.7	32.7	99.6	99.6	7.8	7.8	18.7	18.7	20	75	20	75	<0.2	<0.2	0.9	0.9	<0.2	<0.2	1.2	1.2			
Middle	3.6	0.2	80	17.4	8.0	8.0	32.7	32.7	99.6	99.6	7.8	7.8	18.6	18.6	21	76	21	76	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.2	1.2								
	6.2	0.1	160	17.3	8.0	8.0	31.9	31.9	99.9	100.2	7.9	8.0	18.9	18.9	22	77	22	77	<0.2	<0.2	1.2	1.2	<0.2	<0.2	1.2	1.2								
	6.2	0.1	170	17.3	8.0	8.0	31.9	31.9	100.5	100.2	8.0	8.0	19.0	19.0	21	77	21	77	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0								
IM1	Fine	Rough	13:05	7.2	Surface	1.0	0.1	67	16.8	8.1	8.1	30.8	30.8	99.6	99.6	8.1	8.1	19.4	19.4	20	71	20	71	818833	806199	<0.2	<0.2	1.2	1.1					
						1.0	0.1	68	16.8	8.1	8.1	30.9	30.9	99.5	99.5	8.1	8.1	19.4	19.4	20	72	20	72	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0			
						4.3	0.1	76	17.0	8.1	8.1	30.5	30.5	99.5	99.5	8.1	8.1	20.7	20.7	23	73	23	73	<0.2	<0.2	1.2	1.2	<0.2	<0.2	1.2	1.2			
					Middle	4.3	0.1	81	17.0	8.1	8.1	30.6	30.5	99.4	99.5	8.0	8.0	20.5	20.5	22	73	22	73	<0.2	<0.2	1.2	1.2	<0.2	<0.2	1.2	1.2			
						7.5	0.1	121	17.4	8.0	8.0	32.0	32.0	99.0	99.2	7.8	7.9	23.6	23.6	24	77	24	77	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0			
						7.5	0.1	129	17.4	8.0	8.0	32.0	32.0	99.4	99.2	7.9	7.9	23.8	23.8	23	77	23	77	<0.2	<0.2	1.2	1.2	<0.2	<0.2	1.2	1.2			
					Bottom	1.0	0.2	80	17.2	8.1	8.1	29.6	29.6	98.4	98.4	8.0	8.0	19.3	19.3	19	71	19	71	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0			
						1.0	0.2	86	17.2	8.1	8.1	29.6	29.6	98.4	98.4	8.0	8.0	19.5	19.5	17	71	17	71	<0.2	<0.2	1.1	1.1	<0.2	<0.2	1.1	1.1			
						4.1	0.1	74	17.5	8.1	8.1	31.7	31.7	99.6	99.7	7.9	7.9	21.0	21.0	22	73	22	73	<0.2	<0.2	1.2	1.2	<0.2	<0.2	1.0	1.0			
Middle	4.1	0.1	78	17.4	8.1	8.1	31.8	31.7	99.8	99.7	7.9	7.9	20.9	20.9	21	73	21	73	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0								
	7.1	0.0	267	16.9	8.0	8.0	31.0	31.0	100.0	100.2	8.0	8.1	22.8	22.8	20	76	20	76	<0.2	<0.2	0.9	0.9	<0.2	<0.2	0.9	0.9								
	7.1	0.0	278	17.0	8.0	8.0	31.0	31.0	100.4	100.4	8.1	8.1	22.6	22.6	20	76	20	76	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0								
Bottom	1.0	0.2	57	16.3	8.2	8.2	30.6	30.6	97.4	97.4	8.4	8.4	15.7	15.7	15	73	15	73	<0.2	<0.2	1.1	1.1	<0.2	<0.2	1.1	1.1								
	1.0	0.2	57	16.3	8.3	8.2	30.5	30.6	97.4	97.4	8.4	8.4	15.6	15.6	17	73	17	73	<0.2	<0.2	1.1	1.1	<0.2	<0.2	1.2	1.2								
	3.9	0.2	37	17.0	8.2	8.2	30.0	30.1	98.4	98.4	8.1	8.1	19.3	19.3	20	75	20	75	<0.2	<0.2	1.1	1.1	<0.2	<0.2	1.2	1.2								
Middle	3.9	0.2	39	17.0	8.2	8.2	30.1	30.1	98.4	98.4	8.1	8.1	19.1	19.1	19																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 December 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
C1	Fine	Moderate	08:32	8.1	Surface	1.0	0.5	47	13.6	8.2	8.2	30.8	30.8	96.1	96.0	8.5	8.3	15.2	20.7	21	72	74	815600	804261	<0.2	1.2	<0.2	1.2		
						1.0	0.5	50	13.6	8.2	8.2	30.8	30.8	95.8	96.0	8.5	8.3	15.0	20.7	21	72	74	815600	804261	<0.2	1.3				
						4.1	0.4	41	14.7	8.1	8.1	30.8	30.8	96.5	96.5	8.1	8.3	20.5	20.7	26	73	74	815600	804261	<0.2	1.1				
					4.1	0.4	42	14.7	8.1	8.1	30.8	30.8	96.5	96.5	8.1	8.3	20.4	20.7	26	73	74	815600	804261	<0.2	1.0					
					7.1	0.4	58	15.4	8.1	8.1	30.1	30.1	97.8	97.8	8.3	8.3	26.4	26.4	33	77	77	815600	804261	<0.2	1.2					
					7.1	0.5	59	15.4	8.1	8.1	30.1	30.1	97.8	97.8	8.3	8.3	26.5	26.5	31	77	77	815600	804261	<0.2	1.2					
C2	Sunny	Rough	09:34	11.7	Surface	1.0	0.1	223	17.5	8.1	8.1	32.4	32.4	95.8	95.8	7.5	7.6	9.6	8.7	16	72	74	825696	806964	<0.2	1.1	<0.2	1.2		
						1.0	0.1	226	17.5	8.1	8.1	32.4	32.4	95.8	95.8	7.5	7.6	9.6	8.7	17	72	74	825696	806964	<0.2	1.2				
						5.9	0.1	298	16.3	8.1	8.1	32.5	32.5	94.4	94.4	7.6	7.6	7.8	8.7	18	74	74	825696	806964	<0.2	1.3				
					5.9	0.1	300	16.3	8.1	8.1	32.5	32.5	94.4	94.4	7.6	7.9	7.9	8.7	18	74	74	825696	806964	<0.2	1.1					
					10.7	0.2	321	17.6	8.1	8.1	32.3	32.3	96.1	96.2	7.6	7.6	8.6	8.7	32	75	75	825696	806964	<0.2	1.3					
					10.7	0.2	322	17.6	8.1	8.1	32.3	32.3	96.2	96.2	7.6	7.6	8.7	8.7	34	76	76	825696	806964	<0.2	0.9					
C3	Sunny	Moderate	07:39	11.9	Surface	1.0	0.3	273	18.1	8.1	8.1	32.8	32.8	94.2	94.2	7.3	7.3	3.6	3.9	10	72	74	822084	817806	<0.2	0.8	<0.2	0.9		
						1.0	0.3	293	18.1	8.1	8.1	32.8	32.8	94.1	94.2	7.3	7.3	3.6	3.9	9	72	74	822084	817806	<0.2	0.9				
						6.0	0.3	276	18.3	8.1	8.1	32.7	32.7	94.2	94.2	7.3	7.3	4.0	4.0	10	73	74	822084	817806	<0.2	0.8				
					6.0	0.3	277	18.3	8.1	8.1	32.7	32.7	94.2	94.2	7.3	7.3	4.0	4.0	10	73	74	822084	817806	<0.2	0.8					
					10.9	0.3	270	18.4	8.1	8.1	32.7	32.7	94.7	94.8	7.3	7.3	4.0	4.0	10	76	76	822084	817806	<0.2	1.2					
					10.9	0.3	296	18.4	8.1	8.1	32.7	32.7	94.8	94.8	7.3	7.3	4.0	4.0	12	76	76	822084	817806	<0.2	1.0					
IM1	Fine	Moderate	08:51	7.0	Surface	1.0	0.4	13	12.7	8.2	8.2	31.2	31.2	96.5	96.5	8.9	8.9	17.6	16.6	19	72	73	818343	806455	<0.2	1.0	<0.2	1.1		
						1.0	0.4	13	12.7	8.2	8.2	31.2	31.2	96.5	96.5	8.9	8.9	17.7	16.6	19	72	73	818343	806455	<0.2	1.2				
						3.5	0.4	6	13.2	8.2	8.2	30.5	30.5	96.6	96.5	8.9	8.9	13.8	13.8	19	73	73	818343	806455	<0.2	1.0				
					3.5	0.4	6	13.2	8.2	8.2	30.5	30.5	96.4	96.5	8.9	8.9	13.7	13.7	17	73	73	818343	806455	<0.2	1.1					
					6.0	0.4	13	14.4	8.1	8.1	29.0	29.0	97.6	97.6	8.4	8.4	18.3	18.3	26	75	75	818343	806455	<0.2	1.0					
					6.0	0.4	13	14.4	8.1	8.1	29.0	29.0	97.6	97.6	8.4	8.4	18.5	18.5	26	75	75	818343	806455	<0.2	1.0					
IM2	Fine	Moderate	08:59	8.3	Surface	1.0	0.2	55	15.5	8.2	8.2	30.7	30.7	97.1	97.1	8.1	8.1	17.6	19.2	24	73	74	818832	806203	<0.2	0.7	<0.2	0.9		
						1.0	0.3	55	15.5	8.2	8.2	30.7	30.7	97.1	97.1	8.1	8.1	17.6	19.2	25	73	74	818832	806203	<0.2	1.0				
						4.2	0.4	31	15.5	8.1	8.1	30.9	30.9	96.7	96.7	8.1	8.1	19.8	19.8	24	73	74	818832	806203	<0.2	0.9				
					4.2	0.4	34	15.5	8.1	8.1	30.9	30.9	96.7	96.7	8.1	8.1	20.1	20.1	26	74	74	818832	806203	<0.2	0.9					
					7.3	0.3	35	16.6	7.9	7.9	30.3	30.3	98.4	98.6	8.0	8.0	20.0	20.0	25	75	75	818832	806203	<0.2	1.0					
					7.3	0.3	38	16.6	7.9	7.9	30.3	30.3	98.7	98.7	8.0	8.0	20.1	20.1	24	75	75	818832	806203	<0.2	1.0					
IM3	Fine	Moderate	09:07	8.1	Surface	1.0	0.3	21	16.5	8.1	8.1	31.4	31.4	96.2	96.1	7.8	7.8	15.0	15.7	22	73	75	819420	806046	<0.2	1.0	<0.2	1.1		
						1.0	0.4	22	16.5	8.1	8.1	31.4	31.4	96.0	96.0	7.8	7.8	14.8	15.7	21	73	75	819420	806046	<0.2	1.0				
						4.1	0.3	32	17.2	8.1	8.1	31.8	31.8	96.5	96.6	7.7	7.7	16.0	16.0	22	75	75	819420	806046	<0.2	1.0				
					4.1	0.4	33	17.2	8.1	8.1	31.9	31.9	96.7	96.7	7.7	7.7	16.1	16.1	20	75	75	819420	806046	<0.2	1.2					
					7.1	0.3	30	16.8	8.0	8.0	30.6	30.5	96.6	96.8	7.8	7.8	16.1	16.1	20	76	76	819420	806046	<0.2	1.0					
					7.1	0.3	31	16.8	8.0	8.0	30.4	30.5	96.9	96.9	7.8	7.8	16.3	16.3	22	76	76	819420	806046	<0.2	1.1					
IM4	Fine	Moderate	09:16	7.5	Surface	1.0	0.4	4	16.7	8.1	8.1	32.3	32.2	96.4	96.4	7.7	7.7	15.5	14.8	22	74	75	819564	805037	<0.2	1.1	<0.2	1.1		
						1.0	0.5	4	16.8	8.1	8.1	32.2	32.2	96.4	96.4	7.7	7.7	15.2	14.8	20	74	75	819564	805037	<0.2	0.9				
						3.8	0.5	3	17.1	8.1	8.1	32.2	32.2	97.0	97.1	7.7	7.7	14.8	14.8	23	75	75	819564	805037	<0.2	1.0				
					3.8	0.5	3	17.1	8.1	8.1	32.2	32.2	97.1	97.1	7.7	7.7	14.7	14.7	21	75	75	819564	805037	<0.2	1.0					
					6.5	0.3	24	16.9	8.0	8.0	31.8	31.8	97.9	97.9	7.8	7.8	14.2	14.2	22	76	76	819564	805037	<0.2	1.1					
					6.5	0.3	24	16.8	8.0	8.0	31.7	31.8	98.1	98.0	7.9	7.9	14.2	14.2	21	76	76	819564	805037	<0.2	1.2					
IM5	Fine	Moderate	09:26	6.4	Surface	1.0	0.3	38	16.9	8.1	8.1	32.1	32.1	96.1	96.1	7.7	7.7	20.7	22.4	23	72	74	820567	804907	<0.2	1.0	<0.2	1.1		
						1.0	0.3	40	16.9	8.1	8.1	32.1	32.1	96.1	96.1	7.7	7.7	20.6	22.4	21	72	73	820567	804907	<0.2	1.0				
						3.2	0.4	43	16.8	8.1	8.1	32.1	32.1	95.7	95.8	7.7	7.7	22.7	22.7	30	73	74	820567	804907	<0.2	1.0				
					3.2	0.4	46	16.8	8.1	8.1	32.1	32.1	95.9	95.8	7.7	7.7	22.7	22.7	28	73	74	820567	804907	<0.2	1.2					
					5.4	0.3	2	16.4	8.0	8.0	31.7	31.6	96.3	96.4	7.8	7.8	23.5	23.5	34	76	76	820567	804907	<0.2	1.1					
					5.4	0.3	2	16.4	8.0	8.0	31.6	31.6	96.5	96.4	7.8	7.8	24.0	24.0	32	77	77	820567	804907	<0.2	1.1					
IM6	Fine	Moderate	09:36	6.7	Surface	1.0	0.2	19	17.5	8.1	8.1	32.2	32.2	96.2	96.3	7.6	7.7	11.9	15.6	16	72	74	821081	805823	<0.2	1.1	<0.2	1.1		
						1.0	0.2	19	17.5	8.1	8.1	32.2	32.2	96.4	96.3	7.6	7.7	12.1	15.6	17	72	74	821081	805823	<0.2	1.1				
						3.4	0.2	22	17.2	8.0	8.0	32.0	32.0	97.0	97.1	7.7	7.7	14.9	14.9	18	73	74	821081	805823	<0.2	1.0				
					3.4	0.2	23	17.3	8.0	8.0	32.0	32.0	97.1	97.1	7.7	7.7	14.8	14.8	20	73	74	821081	805823	<0.2	1.0					
					5.7																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 December 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	Value	DA
IM9	Sunny	Rough	08:54	7.1	Surface	1.0	0.1	312	18.2	18.2	8.2	8.2	32.6	32.6	97.3	97.3	7.6	7.6	12.2	12.2	19	72	74	822118	808802	<0.2	<0.2	1.0	1.2			
						1.0	0.1	324	18.2	8.2	8.2	32.6	32.6	97.3	97.3	7.6	7.6	11.4	11.4	19	72	74	822118	808802	<0.2	<0.2	1.3	1.2				
						3.6	0.2	314	18.1	18.1	8.1	8.1	32.6	32.6	97.9	98.1	7.6	7.6	12.0	12.0	21	74	74	822118	808802	<0.2	<0.2	1.4	1.2			
					Middle	3.6	0.2	331	18.1	18.1	8.1	8.1	32.6	32.6	98.3	98.1	7.6	7.6	12.1	12.1	21	74	74	822118	808802	<0.2	<0.2	1.4	1.2			
						6.1	0.2	334	18.1	18.1	8.2	8.1	32.6	32.6	98.6	98.9	7.7	7.7	14.1	14.1	22	76	76	822118	808802	<0.2	<0.2	1.1	1.2			
						6.1	0.2	307	18.1	18.1	8.1	8.1	32.6	32.6	99.1	98.9	7.7	7.7	14.6	14.6	23	76	76	822118	808802	<0.2	<0.2	1.2	1.2			
IM10	Sunny	Rough	08:45	6.5	Surface	1.0	0.4	307	17.5	17.5	8.1	8.1	32.7	32.7	96.2	96.3	7.6	7.6	14.7	14.7	26	72	74	822258	809865	<0.2	<0.2	1.4	1.5			
						1.0	0.4	314	17.5	17.5	8.1	8.1	32.7	32.7	96.3	96.3	7.6	7.6	14.8	14.8	25	72	74	822258	809865	<0.2	<0.2	1.6	1.5			
						3.3	0.3	313	17.8	17.8	8.1	8.1	32.7	32.7	96.6	96.6	7.5	7.5	18.4	18.4	27	73	74	822258	809865	<0.2	<0.2	1.3	1.5			
					Middle	3.3	0.4	338	17.8	17.8	8.1	8.1	32.7	32.7	96.6	96.6	7.6	7.6	17.7	17.7	29	74	74	822258	809865	<0.2	<0.2	1.5	1.5			
						5.5	0.2	297	17.8	17.8	8.1	8.1	32.7	32.7	96.6	96.6	7.6	7.6	21.4	21.4	31	76	76	822258	809865	<0.2	<0.2	1.5	1.5			
						5.5	0.2	325	17.7	17.8	8.1	8.1	32.7	32.7	96.5	96.6	7.6	7.6	20.6	20.6	31	76	76	822258	809865	<0.2	<0.2	1.8	1.5			
IM11	Sunny	Rough	08:35	7.8	Surface	1.0	0.3	273	18.0	18.0	8.1	8.1	32.7	32.7	96.9	97.0	7.6	7.6	20.1	20.1	26	72	74	821497	810568	<0.2	<0.2	1.6	1.6			
						1.0	0.3	281	18.0	18.0	8.1	8.1	32.7	32.7	97.0	97.0	7.6	7.6	20.3	20.3	26	72	74	821497	810568	<0.2	<0.2	1.7	1.6			
						3.9	0.3	287	17.9	17.9	8.1	8.1	32.7	32.7	96.8	96.8	7.6	7.6	24.1	24.1	26	73	74	821497	810568	<0.2	<0.2	1.5	1.6			
					Middle	3.9	0.3	300	17.9	17.9	8.1	8.1	32.7	32.7	96.8	96.8	7.6	7.6	24.3	24.3	26	74	74	821497	810568	<0.2	<0.2	1.8	1.6			
						6.8	0.2	275	17.7	17.7	8.1	8.1	32.7	32.7	97.4	97.5	7.6	7.6	17.4	17.4	25	75	75	821497	810568	<0.2	<0.2	1.5	1.6			
						6.8	0.2	278	17.7	17.7	8.1	8.1	32.7	32.7	97.6	97.5	7.6	7.6	17.6	17.6	24	76	76	821497	810568	<0.2	<0.2	1.4	1.6			
IM12	Sunny	Rough	08:29	8.0	Surface	1.0	0.4	270	17.5	17.5	8.1	8.1	32.7	32.7	96.2	96.2	7.6	7.6	18.0	18.0	19	72	74	821153	811543	<0.2	<0.2	0.8	1.0			
						1.0	0.4	290	17.5	17.5	8.1	8.1	32.7	32.7	96.2	96.2	7.6	7.6	17.9	17.9	19	72	74	821153	811543	<0.2	<0.2	1.1	1.0			
						4.0	0.3	285	17.4	17.4	8.1	8.1	32.7	32.7	96.3	96.3	7.6	7.6	19.5	19.5	25	74	74	821153	811543	<0.2	<0.2	0.9	1.0			
					Middle	4.0	0.3	312	17.4	17.4	8.1	8.1	32.7	32.7	96.3	96.3	7.6	7.6	19.6	19.6	25	74	74	821153	811543	<0.2	<0.2	0.8	1.0			
						7.0	0.2	278	17.3	17.3	8.1	8.1	32.7	32.7	96.0	96.0	7.6	7.6	15.6	15.6	24	77	77	821153	811543	<0.2	<0.2	1.0	1.0			
						7.0	0.2	281	17.3	17.3	8.1	8.1	32.7	32.7	96.0	96.0	7.6	7.6	15.5	15.5	23	77	77	821153	811543	<0.2	<0.2	1.2	1.0			
SR2	Sunny	Moderate	08:04	3.7	Surface	1.0	0.2	45	17.8	17.8	8.2	8.2	32.7	32.7	96.8	96.8	7.6	7.6	18.9	18.9	23	72	73	821442	814185	<0.2	<0.2	1.0	1.0			
						1.0	0.2	47	17.7	17.8	8.2	8.2	32.8	32.7	96.8	96.8	7.6	7.6	17.7	17.7	24	72	74	821442	814185	<0.2	<0.2	0.9	1.0			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	1.0	1.0
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	1.0	1.0
						2.7	0.1	50	17.8	17.8	8.1	8.1	32.7	32.8	96.9	97.0	7.6	7.6	19.7	19.7	25	73	74	821442	814185	<0.2	<0.2	1.0	1.1			
SR3	Sunny	Rough	09:12	8.5	Surface	1.0	0.2	187	18.1	18.1	8.1	8.1	32.6	32.7	96.6	96.7	7.5	7.5	8.1	8.1	11	-	-	-	-	-	-	-	-	-		
						1.0	0.2	199	18.0	18.1	8.1	8.1	32.7	32.7	96.7	96.7	7.5	7.5	8.3	8.3	12	-	-	-	-	-	-	-	-	-	-	
						4.3	0.2	279	18.0	18.1	8.1	8.1	32.5	32.5	96.7	96.7	7.5	7.5	10.1	10.1	17	-	-	-	-	-	-	-	-	-	-	
					Middle	4.3	0.2	298	18.1	18.1	8.1	8.1	32.5	32.5	96.7	96.7	7.5	7.5	10.3	10.3	19	-	-	-	-	-	-	-	-	-	-	-
						7.5	0.2	324	18.0	18.0	8.1	8.1	32.6	32.6	97.7	98.0	7.6	7.7	9.0	9.0	22	-	-	-	-	-	-	-	-	-	-	-
						7.5	0.2	351	18.0	18.0	8.1	8.1	32.6	32.6	98.2	98.2	7.7	7.7	9.2	9.2	20	-	-	-	-	-	-	-	-	-	-	-
SR4A	Cloudy	Moderate	08:08	8.2	Surface	1.0	0.2	256	15.8	15.8	8.1	8.1	32.4	32.4	95.8	95.9	7.8	7.8	6.3	6.3	9	-	-	-	-	-	-	-	-			
						1.0	0.2	271	15.8	15.8	8.1	8.1	32.4	32.4	95.9	95.9	7.8	7.8	6.3	6.3	10	-	-	-	-	-	-	-	-	-		
						4.1	0.2	264	15.6	15.6	8.0	8.0	32.4	32.3	95.4	95.5	7.8	7.8	6.8	6.8	11	-	-	-	-	-	-	-	-	-		
					Middle	4.1	0.2	270	15.6	15.9	8.0	8.0	32.3	32.3	95.5	95.5	7.8	7.8	6.6	6.6	11	-	-	-	-	-	-	-	-	-	-	
						7.2	0.2	243	14.9	14.9	8.0	8.0	32.1	32.1	94.3	94.3	7.8	7.8	5.9	5.9	9	-	-	-	-	-	-	-	-	-	-	
						7.2	0.2	251	14.9	14.9	8.0	8.0	32.1	32.1	94.3	94.3	7.8	7.8	6.0	6.0	9	-	-	-	-	-	-	-	-	-	-	
SR5A	Cloudy	Moderate	07:52	3.8	Surface	1.0	0.2	284	16.4	16.4	8.0	8.0	32.2	32.2	95.3	95.3	7.7	7.7	6.7	6.7	9	-	-	-	-	-	-	-				
						1.0	0.2	304	16.4	16.4	8.0	8.0	32.2	32.2	95.3	95.3	7.7	7.7	6.6	6.6	9	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.8	0.2	283	15.9	15.9	8.0	8.0	31.9	31.9	95.1	95.2	7.7	7.7	5.3	5.3	9	-	-	-	-	-	-	-	-			
						2.8	0.2	297	15.9	15.9	8.0	8.0	32.0	31.9	95.2	95.2	7.8	7.8	5.4	5.4	10	-	-	-	-	-	-	-	-			
SR6	Cloudy	Moderate	07:27	3.5	Surface	1.0	0.2	262	17.7	17.7	8.1	8.1	32.4	32.4	96.3	96.6	7.6	7.6	6.1	6.1	10	-	-	-	-	-	-	-				

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 December 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)																											
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA																								
C1	Sunny	Moderate	14:31	8.5	Surface	1.0	0.2	131	17.5	17.5	8.1	8.1	32.1	32.1	99.0	99.0	7.8	7.8	11.1	14.0	14	14	73	75	815646	804238	<0.2	0.6	<0.2	0.6																										
						1.0	0.2																								142	17.5	8.1	8.1	32.2	32.2	99.0	99.0	7.8	7.8	11.1	14	14	73	75	<0.2	0.6	<0.2	0.6							
						4.3	0.2																								117	17.4	8.1	8.1	32.2	32.2	98.3	98.3	7.8	7.8	14.1	14	14	75	75	<0.2	0.6	<0.2	0.6							
					Middle	4.3	0.2	128	17.4	17.4	8.1	8.1	32.2	32.2	8.1	8.1	32.2	32.2	98.3	98.3	7.8	7.8	14.1	14.0			14	14	76	75	<0.2	0.6	<0.2	0.6																						
						7.5	0.1																												143	17.3	8.1	8.1	32.2	32.2	98.3	98.3	7.8	7.8	16.7	16	16	76	75	<0.2	0.6	<0.2	0.6			
						7.5	0.1																												154	17.3	8.1	8.1	32.2	32.2	98.3	98.3	7.8	7.8	16.8	14	14	77	75	<0.2	0.6	<0.2	0.6			
					Bottom	1.0	0.2	36	18.3	18.3	8.1	8.1	30.6	30.6	8.1	8.1	30.6	30.6	97.3	97.3	7.6	7.6	10.0	12.2			10	10	71	73	<0.2	0.7	<0.2	0.7																						
						1.0	0.2																												39	18.3	8.1	8.1	30.6	30.6	97.3	97.3	7.6	7.6	10.1	9	9	71	73	<0.2	0.6	<0.2	0.7			
						6.1	0.2																												40	18.2	8.1	8.1	30.3	30.3	97.0	97.0	7.6	7.6	12.4	15	15	73	73	<0.2	0.6	<0.2	0.7			
Middle	6.1	0.2	41	18.2	18.2	8.1	8.1	30.3	30.3	8.1	8.1	30.3	30.3	97.0	97.0	7.6	7.6	12.6	12.2	14	13	73	73	<0.2	0.7	<0.2	0.7																													
	11.1	0.2																										41	18.1	8.1	8.1	30.4	30.4	97.6	97.6	7.7	7.7	14.1	15	15	74	74	<0.2	0.6	<0.2	0.6										
	11.1	0.2																										42	18.1	8.1	8.1	30.5	30.5	97.7	97.7	7.7	7.7	14.0	13	13	75	75	<0.2	0.8	<0.2	0.8										
C2	Sunny	Moderate	13:16	12.1	Surface	1.0	0.2	74	18.8	18.8	8.1	8.1	32.8	32.8	95.3	95.3	7.3	7.3	3.0	12.2	7	7	72	73	825661	806950	<0.2	0.7	<0.2	0.6																										
						1.0	0.2																								75	18.8	8.1	8.1	32.8	32.8	95.3	95.3	7.3	7.3	3.0	5	5	71	73	<0.2	0.7	<0.2	0.6							
						5.9	0.2																								85	18.8	8.1	8.1	32.8	32.8	95.2	95.2	7.3	7.3	3.0	9	9	73	73	<0.2	0.6	<0.2	0.7							
					Middle	5.9	0.3	87	18.8	18.8	8.1	8.1	32.8	32.8	8.1	8.1	32.8	32.8	95.3	95.3	7.3	7.3	3.0	12.2			7	7	73	73	<0.2	0.6	<0.2	0.7																						
						10.8	0.2																												87	18.8	8.1	8.1	32.9	32.9	96.1	96.1	7.4	7.4	3.9	8	8	75	75	<0.2	0.7	<0.2	0.7			
						10.8	0.2																												95	18.8	8.1	8.1	32.9	32.9	96.1	96.1	7.4	7.4	3.9	7	7	74	74	<0.2	0.6	<0.2	0.6			
					Bottom	1.0	0.2	61	17.5	17.5	8.1	8.1	32.2	32.2	8.1	8.1	32.2	32.2	98.7	98.8	7.8	7.8	14.7	15.6			17	17	73	75	<0.2	0.7	<0.2	0.9																						
						1.0	0.2																												62	17.5	8.1	8.1	32.2	32.2	98.8	98.8	7.8	7.8	14.8	16	16	73	73	<0.2	0.7	<0.2	0.9			
						3.7	0.2																												37	17.3	8.1	8.1	32.2	32.2	98.1	98.1	7.8	7.8	15.9	18	18	75	75	<0.2	0.8	<0.2	0.8			
Middle	3.7	0.2	37	17.3	17.3	8.1	8.1	32.2	32.2	8.1	8.1	32.2	32.2	98.1	98.1	7.8	7.8	15.9	15.6	18	18	75	75	<0.2	0.8	<0.2	0.8																													
	6.4	0.1																										3	17.1	8.1	8.1	32.2	32.2	98.1	98.1	7.8	7.8	16.0	19	19	76	76	<0.2	0.7	<0.2	0.7										
	6.4	0.1																										3	17.1	8.1	8.1	32.2	32.2	98.1	98.1	7.8	7.8	16.0	17	17	76	76	<0.2	0.6	<0.2	0.6										
IM1	Sunny	Moderate	14:11	7.4	Surface	1.0	0.2	61	17.5	17.5	8.1	8.1	32.2	32.2	98.7	98.8	7.8	7.8	14.7	15.6	17	17	73	75	818343	806454	<0.2	0.7	<0.2	0.9																										
						1.0	0.2																								62	17.5	8.1	8.1	32.2	32.2	98.8	98.8	7.8	7.8	14.8	16	16	73	73	<0.2	0.7	<0.2	0.9							
						3.7	0.2																								37	17.3	8.1	8.1	32.2	32.2	98.1	98.1	7.8	7.8	15.9	18	18	75	75	<0.2	0.8	<0.2	0.8							
					Middle	3.7	0.2	37	17.3	17.3	8.1	8.1	32.2	32.2	8.1	8.1	32.2	32.2	98.1	98.1	7.8	7.8	15.9	15.6			18	18	75	75	<0.2	0.8	<0.2	0.8																						
						6.4	0.1																												3	17.1	8.1	8.1	32.2	32.2	98.1	98.1	7.8	7.8	16.0	19	19	76	76	<0.2	0.7	<0.2	0.7			
						6.4	0.1																												3	17.1	8.1	8.1	32.2	32.2	98.1	98.1	7.8	7.8	16.0	17	17	76	76	<0.2	0.6	<0.2	0.6			
					IM2	Sunny	Moderate	14:01	8.6	Surface	1.0	0.2	29	17.4	17.4	8.1	8.1	32.2	32.2	98.7	98.7	7.8	7.8	16.6			20.3	20	20	74	75	818825	806211	<0.2	0.7	<0.2	0.8																			
											1.0	0.2																										30	17.4	8.1	8.1	32.2	32.2	98.7	98.7	7.8	7.8	16.7	19	19	74	74	<0.2	0.8	<0.2	0.8
											4.3	0.2																										10	17.4	8.1	8.1	32.1	32.1	98.4	98.4	7.8	7.8	18.9	19	19	75	75	<0.2	0.9	<0.2	0.9
Middle	4.3	0.2	10	17.4						17.4	8.1	8.1	32.2	32.1	8.1	8.1	32.2	32.1	98.4	98.4	7.8	7.8	19.2	20.3	18	20	75	75	<0.2	1.2	<0.2			1.2																						
	7.6	0.1																																	8	17.2	8.1	8.1	32.2	32.2	98.5	98.5	7.8	7.8	25.3	24	24	77	77	<0.2	0.8	<0.2	0.8			
	7.6	0.1																																	8	17.3	8.1	8.1	32.2	32.2	98.7	98.6	7.8	7.8	25.1	22	22	77	77	<0.2	0.7	<0.2	0.7			
IM3	Fine	Moderate	13:53	8.9						Surface	1.0	0.3	53	17.4	17.4	8.1	8.1	32.1	32.1	98.5	98.6	7.8	7.8	18.4	21.9	18	19	73	74	819386	806030			<0.2	0.7	<0.2	0.7																			
											1.0	0.3																										56	17.4	8.1	8.1	32.1	32.1	98.6	98.6	7.8	7.8	18.4	17	17	73	74	<0.2	0.7	<0.2	0.7
											4.5	0.1																										47	17.3	8.1	8.1	32.1	32.1	98.2	98.2	7.8	7.8	20.8	17	17	74	74	<0.2	0.8	<0.2	0.8
					Middle	4.5	0.1	50	17.3	17.3	8.1	8.1	32.1	32.1	8.1	8.1	32.1	32.1	98.3	98.3	7.8	7.8	20.8	21.9	17	19	74	74	<0.2			0.8	<0.2	0.8																						
						7.9	0.1																												35	17.3	8.1	8.1	32.2	32.2	98.8	98.8	7.8	7.8	26.4	20	20	76	76	<0.2	0.7	<0.2	0.7			
						7.9	0.1																												35	17.3	8.1	8.1	32.2	32.2	98.8	98.8	7.8	7.8	26.5	21	21	76	76	<0.2	0.7	<0.2	0.7			
					Bottom	1.0	0.2	70	17.4	17.4	8.1	8.1	32.1	32.1	8.1	8.1	32.1	32.1	98.5	98.5	7.8	7.8	19.8	22.0	23	25	73	75	<0.2			0.7	<0.2	0.8																						
						1.0	0.2																												74	17.4	8.1	8.1	32.1	32.1	98.4	98.4	7.8	7.8	19.9	22	22	73	75	<0.2	0.7	<0.2	0.7			
						4.0	0.2																												66	17.3	8.1	8.1	32.1	32.1	98.0	98.0	7.8	7.8	21.4	23	23	75	75	<0.2	0.9	<0.2	0.9			
Middle	4.0	0.2	71	17.3	17.3	8.1	8.1	32.1	32.1	8.1	8.1	32.1	32.1	98.0	98.0	7.8	7.8	21.2	22.0	25	25	75	75	<0.2	0.9	<0.2	0.9																													
	7.0	0.2																										31	17.3	8.1	8.1	32.1	32.1																							

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

Water Quality Monitoring Results on 21 December 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		
IM9	Sunny	Moderate	13:50	7.4	Surface	1.0	0.2	64	17.6	17.6	8.2	8.2	32.7	32.7	98.2	98.2	7.7	7.7	17.6	19	71	73	822118	808822	<0.2	0.6	0.7				
						1.0	0.2	65	17.6	8.2	8.2	32.7	32.7	98.1	98.2	7.7	7.7	17.7	18	71	73	<0.2	0.6								
					Middle	3.7	0.2	71	17.6	17.6	8.2	8.2	32.7	32.7	98.1	98.2	7.7	7.7	20.5	20	73	73	<0.2	0.7							
						3.7	0.2	76	17.6	17.6	8.2	8.2	32.7	32.7	98.2	98.2	7.7	7.7	20.4	19	73	73	<0.2	0.6							
					Bottom	6.4	0.1	75	17.6	17.6	8.2	8.2	32.6	32.6	98.5	98.5	7.7	7.7	22.7	23	75	75	<0.2	0.7							
						6.4	0.2	81	17.6	17.6	8.2	8.2	32.6	32.6	98.5	98.5	7.7	7.7	22.7	22	75	75	<0.2	0.6							
IM10	Sunny	Moderate	13:57	7.1	Surface	1.0	0.2	99	18.2	18.2	8.2	8.2	32.7	32.7	98.5	98.5	7.6	7.7	9.7	11	71	73	822221	809857	<0.2	0.6	0.7				
						1.0	0.2	107	18.2	18.2	8.2	8.2	32.7	32.7	98.5	98.5	7.6	7.7	9.6	12	72	73	<0.2	0.7							
					Middle	3.6	0.2	96	18.1	18.1	8.2	8.2	32.6	32.6	98.5	98.5	7.7	7.7	9.2	10	73	73	<0.2	0.8							
						3.6	0.2	91	18.1	18.1	8.2	8.2	32.6	32.6	98.5	98.5	7.7	7.7	9.2	12	74	73	<0.2	0.7							
					Bottom	6.1	0.2	93	18.0	18.0	8.1	8.1	32.6	32.6	99.4	99.4	7.8	7.8	8.2	13	75	75	<0.2	0.6							
						6.1	0.2	101	18.0	18.0	8.1	8.1	32.6	32.6	99.5	99.5	7.8	7.8	8.2	15	75	75	<0.2	0.7							
IM11	Sunny	Moderate	14:08	8.0	Surface	1.0	0.3	80	18.2	18.2	8.1	8.1	32.8	32.8	98.5	98.5	7.6	7.6	6.2	7	71	73	821513	810552	<0.2	0.6	0.6				
						1.0	0.3	85	18.2	18.2	8.1	8.1	32.8	32.8	98.5	98.5	7.6	7.6	6.3	7	71	73	<0.2	0.7							
					Middle	4.0	0.3	67	18.0	18.0	8.2	8.2	32.7	32.7	97.8	97.8	7.6	7.7	7.7	9	73	73	<0.2	0.6							
						4.0	0.3	71	18.0	18.0	8.2	8.2	32.7	32.7	97.8	97.8	7.6	7.7	7.7	7	73	73	<0.2	0.6							
					Bottom	7.0	0.2	82	17.9	17.9	8.1	8.1	32.7	32.7	98.5	98.5	7.7	7.7	7.8	12	75	75	<0.2	0.6							
						7.0	0.2	84	17.9	17.9	8.1	8.1	32.7	32.7	98.5	98.5	7.7	7.7	7.7	10	75	75	<0.2	0.6							
IM12	Sunny	Moderate	14:16	8.9	Surface	1.0	0.1	103	18.2	18.2	8.1	8.1	32.8	32.8	97.8	97.8	7.6	7.6	4.9	8	71	73	821167	811490	<0.2	0.6	0.6				
						1.0	0.1	111	18.2	18.2	8.1	8.1	32.8	32.8	97.8	97.8	7.6	7.6	5.0	6	71	73	<0.2	0.6							
					Middle	4.5	0.2	99	18.1	18.1	8.1	8.1	32.8	32.8	97.5	97.6	7.6	7.6	5.5	7	73	73	<0.2	0.6							
						4.5	0.2	100	18.1	18.1	8.1	8.1	32.8	32.8	97.6	97.6	7.6	7.6	5.6	6	73	73	<0.2	0.6							
					Bottom	7.9	0.2	90	17.9	17.9	8.1	8.1	32.7	32.7	97.9	97.9	7.6	7.6	7.5	9	75	75	<0.2	0.7							
						7.9	0.2	95	17.9	17.9	8.1	8.1	32.7	32.7	97.9	97.9	7.6	7.6	7.5	8	75	75	<0.2	0.6							
SR2	Sunny	Moderate	14:42	4.0	Surface	1.0	0.2	27	18.3	18.3	8.1	8.1	32.9	32.9	98.1	98.1	7.6	7.6	4.0	10	71	73	821477	814188	<0.2	0.6	0.6				
						1.0	0.2	28	18.3	18.3	8.1	8.1	32.9	32.9	98.1	98.1	7.6	7.6	4.1	8	71	73	<0.2	0.6							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	3.0	0.2	32	18.0	18.0	8.1	8.1	32.9	32.9	98.8	98.8	7.7	7.7	4.7	8	73	73	<0.2	0.6							
						3.0	0.2	32	18.0	18.0	8.1	8.1	32.9	32.9	98.8	98.8	7.7	7.7	4.8	8	73	73	<0.2	0.7							
SR3	Sunny	Moderate	13:36	9.0	Surface	1.0	0.2	85	18.2	18.2	8.2	8.2	32.5	32.5	96.2	96.2	7.5	7.5	13.9	17	-	-	-	-	-	-	-				
						1.0	0.3	86	18.2	18.2	8.2	8.2	32.5	32.5	96.2	96.2	7.5	7.5	13.8	17	-	-	-	-	-	-	-	-			
					Middle	4.5	0.2	84	18.0	18.0	8.2	8.2	32.4	32.4	95.8	95.8	7.5	7.5	18.5	17	-	-	-	-	-	-	-	-	-		
						4.5	0.2	88	18.0	18.0	8.2	8.2	32.4	32.4	95.8	95.8	7.5	7.5	18.7	17	-	-	-	-	-	-	-	-	-	-	
					Bottom	8.0	0.2	81	18.0	18.0	8.1	8.1	32.3	32.3	97.4	97.4	7.6	7.6	18.3	20	-	-	-	-	-	-	-	-	-	-	
						8.0	0.2	81	18.0	18.0	8.1	8.1	32.3	32.3	97.4	97.4	7.6	7.6	18.2	22	-	-	-	-	-	-	-	-	-	-	-
SR4A	Sunny	Moderate	14:51	8.7	Surface	1.0	0.3	77	17.2	17.2	8.1	8.1	32.2	32.2	98.7	98.7	7.8	7.8	13.8	9	-	-	-	-	-	-	-				
						1.0	0.3	81	17.2	17.2	8.1	8.1	32.2	32.2	98.7	98.7	7.8	7.8	13.9	9	-	-	-	-	-	-	-	-	-		
					Middle	4.4	0.2	72	17.1	17.1	8.1	8.1	32.2	32.2	98.4	98.4	7.8	7.8	17.2	19	-	-	-	-	-	-	-	-	-	-	
						4.4	0.2	78	17.1	17.1	8.1	8.1	32.2	32.2	98.4	98.4	7.8	7.8	17.7	20	-	-	-	-	-	-	-	-	-	-	-
					Bottom	7.7	0.2	75	17.1	17.1	8.1	8.1	32.2	32.2	98.8	98.8	7.8	7.8	21.8	24	-	-	-	-	-	-	-	-	-	-	-
						7.7	0.2	81	17.1	17.1	8.1	8.1	32.2	32.2	98.8	98.8	7.8	7.8	21.8	23	-	-	-	-	-	-	-	-	-	-	-
SR5A	Sunny	Calm	15:06	4.3	Surface	1.0	0.1	330	17.6	17.6	8.1	8.1	32.1	32.1	100.1	100.1	7.9	7.9	5.8	8	-	-	-	-	-	-	-				
						1.0	0.1	343	17.6	17.6	8.1	8.1	32.1	32.1	100.0	100.0	7.9	7.9	6.0	8	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.3	0.1	326	17.1	17.1	8.0	8.0	32.1	32.1	99.2	99.2	7.9	7.9	9.7	7	-	-	-	-	-	-	-	-	-	-	
						3.3	0.1	347	17.1	17.1	8.0	8.0	32.1	32.1	99.2	99.2	7.9	7.9	9.7	9	-	-	-	-	-	-	-	-	-	-	-
SR6	Sunny	Calm	15:27	4.7	Surface	1.0	0.1	68	17.8	17.8	8.1	8.1	32.1	32.1	101.1	101.1	7.9	7.9	7.3	12	-	-	-	-	-	-	-				
						1.0	0.1	70	17.8	17.8	8.1	8.1	32.1	32.1	101.1	101.1	7.9	7.9	7.3	10	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.7	0.1	58	17.7	17.7	8.1	8.1	32.1	32.1	100.9	100.9	7.9	7.9	7.8	11	-	-	-	-	-	-	-	-	-	-	
						3.7	0.1	63	17.7	17.7	8.1	8.1	32.1	32.1	100.9	100.9	7.9	7.9	7.9	11	-	-	-	-	-	-	-	-	-	-	
SR7	Sunny	Moderate	15:36	18.5	Surface	1.0	0.1	58	18.8	18.8	8.1	8.1	31.7	31.7	94.3	94.3	7.3	7.3	3.0	8	-	-	-	-	-	-	-				
						1.0	0.1	60	18.8	18.8	8.1	8.1	31.7	31.7	94.3	94.3	7.3	7.3	3.1	9	-	-	-	-	-	-	-	-			
					Middle	9.3	0.2	84	18.8	18.8	8.1	8.1	31.5	31.5	94.2	94.3	7.3	7.3	4.2	11	-	-	-	-	-	-	-	-	-		
						9.3	0.2	88	18.8	18.8	8.1	8.1																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 December 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
C1	Fine	Moderate	09:55	8.0	Surface	1.0	0.6	54	17.0	8.1	8.1	30.8	30.8	97.8	97.9	7.9	7.9	19.8	21.2	20	21	75	76	815592	804245	<0.2	<0.2	0.5	0.6					
						1.0	0.6	55	17.0	8.1	8.1	30.8	30.8	97.9	97.9	7.9	7.9	19.6	21	75	76	<0.2	<0.2	0.5	0.6									
						4.0	0.5	49	17.0	8.1	8.1	30.8	30.8	98.1	98.1	7.9	7.9	20.2	21	75	76	<0.2	<0.2	0.5	0.6									
					Middle	4.0	0.5	53	17.0	8.1	8.1	30.8	30.8	98.1	98.1	7.9	7.9	20.3	21	75	76	<0.2	<0.2	0.6	0.6									
						7.0	0.5	56	16.9	8.1	8.1	30.1	30.1	98.7	98.7	8.0	8.0	23.7	21	75	76	<0.2	<0.2	0.6	0.6									
						7.0	0.5	59	16.9	8.1	8.1	30.1	30.1	99.0	98.9	8.0	8.0	23.8	23	77	77	<0.2	<0.2	0.6	0.6									
C2	Sunny	Moderate	10:34	12.0	Surface	1.0	0.3	345	18.1	8.1	8.1	31.3	31.3	95.3	95.4	7.5	7.5	9.5	13.2	16	15	72	74	825683	806943	<0.2	<0.2	0.9	0.9					
						1.0	0.4	359	18.1	8.1	8.1	31.3	31.3	95.4	95.4	7.5	7.5	9.6	14	73	74	<0.2	<0.2	1.1	1.0									
						6.0	0.4	351	18.1	8.1	8.1	31.3	31.3	95.6	95.6	7.5	7.5	13.0	15	74	75	<0.2	<0.2	1.0	0.8									
					Middle	6.0	0.4	323	18.1	8.1	8.1	31.3	31.3	95.6	95.6	7.5	7.5	13.1	14	75	75	<0.2	<0.2	0.8	0.8									
						11.0	0.3	344	18.2	8.1	8.1	31.2	31.2	95.7	95.7	7.5	7.5	17.1	14	75	76	<0.2	<0.2	0.8	0.8									
						11.0	0.4	359	18.2	8.1	8.1	31.2	31.2	95.7	95.7	7.5	7.5	17.1	15	76	76	<0.2	<0.2	0.8	0.8									
C3	Sunny	Moderate	08:43	11.1	Surface	1.0	0.6	259	18.4	8.1	8.1	29.5	29.5	95.0	95.0	7.5	7.5	7.0	12.4	11	9	72	74	822111	817817	<0.2	<0.2	0.7	0.7					
						1.0	0.7	281	18.4	8.1	8.1	29.5	29.5	95.0	95.0	7.5	7.5	6.9	11	73	74	<0.2	<0.2	0.5	0.5									
						5.6	0.5	264	18.3	8.1	8.1	29.3	29.3	95.0	95.0	7.5	7.5	13.6	10	74	75	<0.2	<0.2	0.7	0.7									
					Middle	5.6	0.5	271	18.3	8.1	8.1	29.3	29.3	95.0	95.0	7.5	7.5	13.6	14	76	76	<0.2	<0.2	0.8	0.8									
						10.1	0.4	272	18.3	8.1	8.1	29.4	29.4	94.9	94.9	7.5	7.5	17.0	14	76	76	<0.2	<0.2	0.8	0.7									
						10.1	0.4	297	18.3	8.1	8.1	29.4	29.4	94.9	94.9	7.5	7.5	16.5	14	76	76	<0.2	<0.2	0.7	0.7									
IM1	Fine	Moderate	10:12	7.1	Surface	1.0	0.5	16	17.3	8.2	8.2	31.2	31.2	97.8	97.8	7.8	7.8	11.9	18.9	11	13	73	75	818370	806484	<0.2	<0.2	0.6	0.6					
						1.0	0.5	17	17.3	8.2	8.2	31.2	31.2	97.8	97.8	7.8	7.8	11.9	28	75	75	<0.2	<0.2	0.5	0.5									
						3.6	0.4	7	17.1	8.2	8.2	30.4	30.4	97.6	97.6	7.8	7.8	19.8	27	75	75	<0.2	<0.2	0.6	0.6									
					Middle	3.6	0.5	7	17.1	8.2	8.2	30.4	30.4	97.6	97.6	7.8	7.8	19.7	28	75	75	<0.2	<0.2	0.5	0.5									
						6.1	0.3	359	17.0	8.2	8.2	29.2	29.2	99.9	100.2	8.1	8.1	25.1	44	77	77	<0.2	<0.2	0.6	0.6									
						6.1	0.3	330	17.0	8.2	8.2	29.2	29.2	100.4	100.4	8.1	8.1	25.1	45	77	77	<0.2	<0.2	0.6	0.6									
IM2	Fine	Moderate	10:20	8.0	Surface	1.0	0.5	11	17.6	8.1	8.1	30.6	30.6	96.6	96.7	7.7	7.7	15.4	17.9	15	13	73	76	818876	806182	<0.2	<0.2	0.6	0.7					
						1.0	0.5	11	17.6	8.1	8.1	30.6	30.6	96.7	96.7	7.7	7.7	14.7	19	76	76	<0.2	<0.2	0.8	0.8									
						4.0	0.4	25	17.6	8.1	8.1	30.8	30.8	97.0	97.0	7.7	7.7	14.2	19	76	76	<0.2	<0.2	0.6	0.6									
					Middle	4.0	0.5	27	17.6	8.1	8.1	30.8	30.8	97.0	97.0	7.7	7.7	14.3	19	76	76	<0.2	<0.2	0.8	0.8									
						7.0	0.3	20	17.4	8.1	8.1	30.3	30.3	100.3	100.4	8.0	8.0	24.4	35	79	79	<0.2	<0.2	0.6	0.6									
						7.0	0.3	20	17.4	8.1	8.1	30.3	30.3	100.4	100.4	8.0	8.0	24.4	35	79	79	<0.2	<0.2	0.6	0.6									
IM3	Fine	Moderate	10:27	8.3	Surface	1.0	0.4	34	17.9	8.1	8.1	31.4	31.4	95.3	95.4	7.5	7.5	16.1	20.5	20	20	73	75	819412	806020	<0.2	<0.2	0.7	0.7					
						1.0	0.4	37	17.9	8.1	8.1	31.4	31.4	95.4	95.4	7.5	7.5	16.2	20	73	75	<0.2	<0.2	0.6	0.6									
						4.2	0.4	29	17.8	8.1	8.1	31.8	31.8	95.1	95.2	7.5	7.5	21.7	23	75	75	<0.2	<0.2	0.7	0.7									
					Middle	4.2	0.4	30	17.8	8.1	8.1	31.8	31.8	95.3	95.3	7.5	7.5	21.7	22	75	75	<0.2	<0.2	0.5	0.5									
						7.3	0.4	14	17.8	8.1	8.1	30.4	30.4	96.8	96.8	7.7	7.7	23.6	26	76	76	<0.2	<0.2	0.7	0.7									
						7.3	0.4	14	17.8	8.1	8.1	30.4	30.4	96.8	96.8	7.7	7.7	23.9	26	77	77	<0.2	<0.2	0.7	0.7									
IM4	Sunny	Moderate	10:35	7.7	Surface	1.0	0.5	12	17.3	8.1	8.1	32.2	32.2	97.7	97.7	7.7	7.7	13.8	19.4	17	16	73	75	819595	805057	<0.2	<0.2	0.6	0.6					
						1.0	0.6	13	17.3	8.1	8.1	32.2	32.2	97.7	97.7	7.7	7.7	13.9	17	75	75	<0.2	<0.2	0.7	0.7									
						3.9	0.5	14	17.1	8.1	8.1	32.2	32.2	97.3	97.3	7.7	7.7	20.1	16	75	75	<0.2	<0.2	0.5	0.5									
					Middle	3.9	0.5	14	17.1	8.1	8.1	32.2	32.2	97.2	97.3	7.7	7.7	20.1	16	75	75	<0.2	<0.2	0.6	0.6									
						6.7	0.4	12	17.1	8.1	8.1	31.7	31.7	98.7	98.9	7.9	7.9	24.3	18	76	76	<0.2	<0.2	0.6	0.6									
						6.7	0.4	12	17.1	8.1	8.1	31.7	31.7	99.1	98.9	7.9	7.9	24.4	17	76	76	<0.2	<0.2	0.6	0.6									
IM5	Sunny	Moderate	10:46	6.9	Surface	1.0	0.5	8	17.5	8.1	8.1	32.1	32.1	96.8	96.8	7.6	7.6	21.7	22.8	18	18	71	74	820546	804931	<0.2	<0.2	0.7	0.7					
						1.0	0.5	8	17.5	8.1	8.1	32.1	32.1	96.8	96.8	7.6	7.6	21.8	18	71	71	<0.2	<0.2	0.6	0.6									
						3.5	0.4	15	17.5	8.1	8.1	32.1	32.1	97.3	97.3	7.7	7.7	21.7	18	73	73	<0.2	<0.2	0.7	0.7									
					Middle	3.5	0.5	15	17.5	8.1	8.1	32.1	32.1	97.3	97.3	7.7	7.7	21.8	20	73	73	<0.2	<0.2	0.7	0.7									
						5.9	0.4	14	17.5	8.1	8.1	31.6	31.6	99.7	99.7	7.9	7.9	24.9	28	77	77	<0.2	<0.2	0.7	0.7									
						5.9	0.4	14	17.5	8.1	8.1	31.6	31.6	99.7	99.7	7.9	7.9	24.9	28	77	77	<0.2	<0.2	0.8	0.8									
IM6	Sunny	Moderate	10:54	6.8	Surface	1.0	0.4	37	17.7	8.1	8.1	32.2	32.1	96.5	96.5	7.6	7.6	14.4	18.6	18	17	73	76	821080	805849	<0.2	<0.2	0.8	0.8					
						1.0	0.4	38	17.7	8.1	8.1	32.0	32.1	96.4	96.5	7.6	7.6	14.4	18	75	75	<0.2	<0.2	0.8	0.8									
						3.4	0.3	41	17.6	8.1	8.1	32.1	32.0	96.6	96.7	7.6	7.6	19.1	18	75	75	<0.2	<0.2	0.8	0.8									
					Middle	3.4	0.3	42	17.6	8.1	8.1	32.0	32.0	96.7	96.7	7.6	7.6	19.1	18	75	75	<0.2	<0.2	0.8	0.8									
						5.8	0.2	34	17.5	8.1	8.1	31.5	31.5	98.1	98.1	7.8	7.8	22.2	26	77	77	<0.2	<0.2	0.7	0.7									
						5.8	0.2	34	17.5	8.1	8.1	31.5	31.5	98.1	98.1	7.8	7.8	22.1	24	77	77	<0.2	<0.2	0.8	0.8									
IM7	Sunny	Moderate	11:04	8.3	Surface																													

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	09:59	6.9	Surface	1.0	0.2	351	18.0	18.0	8.2	8.2	32.4	32.4	96.2	96.2	7.5	7.5	15.3	15.3	18	72	74	822115	808814	<0.2	0.9	0.7	0.7			
						1.0	0.2	323	18.0	8.2	8.2	32.4	32.4	96.2	96.2	7.5	7.5	15.3	15.3	18	72	74	74	74	<0.2	0.7	0.7	0.7				
						3.5	0.2	346	18.0	8.2	8.2	32.5	32.5	96.3	96.3	7.5	7.5	19.6	19.6	20	74	74	74	74	<0.2	0.7	0.7	0.7				
					Middle	3.5	0.2	318	18.0	8.2	8.2	32.5	32.5	96.3	96.3	7.5	7.5	19.7	19.7	19	74	74	74	74	<0.2	0.7	0.7	0.7	0.7	0.7	0.7	
						5.9	0.1	342	18.0	8.2	8.2	32.5	32.5	96.9	96.9	7.6	7.6	22.9	22.9	19	74	74	74	74	<0.2	0.7	0.7	0.7	0.7	0.7		
						5.9	0.1	315	18.0	8.2	8.2	32.5	32.5	97.0	97.0	7.6	7.6	23.1	23.1	19	74	74	74	74	<0.2	0.7	0.7	0.7	0.7	0.7		
					Bottom	1.0	0.5	320	17.7	8.2	8.2	32.4	32.4	96.1	96.1	7.5	7.5	15.2	15.2	14	72	74	74	74	<0.2	0.7	0.7	0.7	0.7	0.7		
						1.0	0.5	339	17.7	8.2	8.2	32.4	32.4	96.1	96.1	7.5	7.5	15.3	15.3	14	72	74	74	74	<0.2	0.7	0.7	0.7	0.7	0.7		
						3.5	0.5	319	17.7	8.2	8.2	32.4	32.4	96.3	96.3	7.6	7.6	18.7	18.7	19	74	74	74	74	<0.2	0.8	0.8	0.8	0.8			
IM10	Sunny	Moderate	09:51	7.0	Surface	1.0	0.5	320	17.7	17.7	8.2	8.2	32.4	32.4	96.1	96.1	7.5	7.5	15.3	15.3	14	72	74	822255	809839	<0.2	0.7	0.7	0.7			
						1.0	0.5	339	17.7	8.2	8.2	32.4	32.4	96.1	96.1	7.5	7.5	15.3	15.3	14	72	74	74	74	<0.2	0.8	0.8	0.8				
						3.5	0.5	319	17.7	8.2	8.2	32.4	32.4	96.3	96.3	7.6	7.6	18.7	18.7	19	74	74	74	74	<0.2	0.7	0.7	0.7				
					Middle	3.5	0.5	325	17.7	8.2	8.2	32.4	32.4	96.3	96.3	7.6	7.6	18.9	18.9	19	74	74	74	74	<0.2	0.6	0.6	0.6	0.6			
						6.0	0.4	325	17.7	8.1	8.1	32.5	32.5	96.6	96.6	7.6	7.6	18.7	18.7	19	74	74	74	74	<0.2	0.8	0.8	0.8	0.8			
						6.0	0.5	350	17.7	8.2	8.1	32.5	32.5	96.6	96.6	7.6	7.6	18.7	18.7	19	74	74	74	74	<0.2	0.8	0.8	0.8	0.8			
					Bottom	1.0	0.4	294	17.7	8.1	8.1	32.0	32.0	96.5	96.5	7.6	7.6	13.2	13.2	12	71	74	74	74	<0.2	0.7	0.7	0.7	0.7			
						1.0	0.4	304	17.7	8.1	8.1	32.0	32.0	96.5	96.5	7.6	7.6	13.3	13.3	13	72	74	74	74	<0.2	0.8	0.8	0.8	0.8			
						3.8	0.4	292	17.7	8.1	8.1	31.9	31.9	96.4	96.4	7.6	7.6	15.2	15.2	13	73	74	74	74	<0.2	0.8	0.8	0.8	0.8			
IM11	Sunny	Moderate	09:37	7.6	Surface	1.0	0.4	294	17.7	17.7	8.1	8.1	31.9	31.9	96.4	96.4	7.6	7.6	15.1	15.1	15	74	74	821513	810539	<0.2	0.8	0.8	0.8			
						1.0	0.4	304	17.7	8.1	8.1	31.9	31.9	96.5	96.5	7.6	7.6	15.1	15.1	15	74	74	74	74	<0.2	0.8	0.8	0.8				
						3.8	0.4	305	17.7	8.1	8.1	31.9	31.9	96.5	96.5	7.6	7.6	15.1	15.1	15	74	74	74	74	<0.2	0.8	0.8	0.8				
					Middle	3.8	0.4	305	17.7	8.1	8.1	31.9	31.9	96.5	96.5	7.6	7.6	15.1	15.1	15	74	74	74	74	<0.2	0.8	0.8	0.8	0.8			
						6.6	0.3	296	17.7	8.1	8.1	31.9	31.9	96.6	96.6	7.6	7.6	17.8	17.8	20	76	74	74	74	<0.2	0.7	0.7	0.7				
						6.6	0.3	314	17.7	8.1	8.1	31.9	31.9	96.6	96.6	7.6	7.6	17.7	17.7	22	76	74	74	74	<0.2	0.7	0.7	0.7				
					Bottom	1.0	0.5	268	17.7	8.1	8.1	31.7	31.7	96.2	96.2	7.6	7.6	14.5	14.5	15	72	74	74	74	<0.2	0.8	0.8	0.8				
						1.0	0.5	278	17.7	8.1	8.1	31.7	31.7	96.1	96.1	7.6	7.6	14.5	14.5	14	72	74	74	74	<0.2	0.8	0.8	0.8				
						3.6	0.5	270	17.7	8.1	8.1	31.7	31.7	96.1	96.1	7.6	7.6	16.2	16.2	17	74	74	74	74	<0.2	0.7	0.7	0.7				
IM12	Sunny	Moderate	09:29	7.2	Surface	1.0	0.5	268	17.7	17.7	8.1	8.1	31.7	31.7	96.2	96.2	7.6	7.6	14.5	14.5	15	72	74	821154	811523	<0.2	0.8	0.8	0.8			
						1.0	0.5	278	17.7	8.1	8.1	31.7	31.7	96.1	96.1	7.6	7.6	14.5	14.5	14	72	74	74	74	<0.2	0.8	0.8	0.8				
						3.6	0.5	270	17.7	8.1	8.1	31.7	31.7	96.1	96.1	7.6	7.6	16.2	16.2	17	74	74	74	74	<0.2	0.7	0.7	0.7				
					Middle	3.6	0.5	274	17.7	8.1	8.1	31.7	31.7	96.1	96.1	7.6	7.6	16.1	16.1	16	74	74	74	74	<0.2	0.8	0.8	0.8				
						6.2	0.4	269	17.6	8.2	8.2	31.8	31.8	96.3	96.3	7.6	7.6	18.6	18.6	18	78	74	74	74	<0.2	0.8	0.8	0.8				
						6.2	0.4	269	17.6	8.2	8.2	31.8	31.8	96.2	96.2	7.6	7.6	18.6	18.6	18	76	74	74	74	<0.2	0.9	0.9	0.9				
					Bottom	1.0	0.1	43	17.7	8.2	8.2	32.2	32.2	96.4	96.4	7.6	7.6	20.7	20.7	25	72	74	74	74	<0.2	0.8	0.8	0.8				
						1.0	0.2	45	17.7	8.2	8.2	32.2	32.2	96.4	96.4	7.6	7.6	20.8	20.8	24	71	74	74	74	<0.2	0.8	0.8	0.8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821437	814137	<0.2	0.8	0.8	0.8
SR2	Sunny	Moderate	09:03	4.2	Surface	1.0	0.1	43	17.7	17.7	8.2	8.2	32.2	32.2	96.4	96.4	7.6	7.6	20.7	20.7	25	72	74	821437	814137	<0.2	0.8	0.8	0.8			
						1.0	0.2	45	17.7	8.2	8.2	32.2	32.2	96.4	96.4	7.6	7.6	20.8	20.8	24	71	74	74	74	<0.2	0.8	0.8	0.8				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821437	814137	<0.2	0.8	0.8	0.8
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821437	814137	<0.2	0.8	0.8	0.8
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821437	814137	<0.2	0.8	0.8	0.8
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821437	814137	<0.2	0.8	0.8	0.8
					Bottom	3.2	0.2	33	17.6	17.6	8.2	8.2	32.2	32.2	96.7	96.7	7.6	7.6	23.4	23.4	24	74	74	74	74	<0.2	0.6	0.6	0.6			
						3.2	0.2	33	17.6	17.6	8.2	8.2	32.2	32.2	96.7	96.7	7.6	7.6	23.4	23.4	24	73	74	74	74	<0.2	0.7	0.7	0.7			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821437	814137	<0.2	0.6	0.6	0.6
SR3	Sunny	Moderate	10:14	8.7	Surface	1.0	0.4	15	18.0	18.0	8.2	8.2	32.4	32.4	96.1	96.1	7.5	7.5	9.8	9.8	12	-	-	822122	807577	-	-	-	-			
						1.0	0.4	15	18.0	8.2	8.2	32.4	32.4	96.1	96.1	7.5	7.5	9.8	9.8	13	-	-	-	-	-	822122	807577	-	-	-	-	
						4.4	0.4	18	17.9	8.2	8.2	32.5	32.5	95.6	95.6	7.5	7.5	13.6	13.6	22	-	-	-	-	-	822122	807577	-	-	-	-	
					Middle	4.4	0.4	18	17.9	8.2	8.2	32.5	32.5	95.6	95.6	7.5	7.5	13.7	13.7	20	-	-	-	-	-	822122	807577	-	-	-	-	
						7.7	0.3	17	17.9	8.2	8.2	32.5	32.5	95.8	95.8	7.5	7.5	22.6	22.6	33	-	-	-	-	-	822122	807577	-	-	-	-	
						7.7	0.3	18	17.9	8.2	8.2	32.5	32.5	95.8	95.8	7.5	7.5	22.7	22.7	30	-	-										

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

Water Quality Monitoring Results on 23 December 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	Cloudy	Calm	15:45	8.4	Surface	1.0	0.2	125	17.7	8.1	8.1	31.6	31.6	99.3	99.3	7.8	7.8	8.5	8	73	8	73	815606	804261	<0.2	<0.2	1.1	1.1		
						1.0	0.2	131	17.7	8.1	8.1	31.6	31.6	99.3	99.3	7.8	7.8	8.9	6	75	6	75	<0.2	<0.2	1.1	1.1				
					Middle	4.2	0.2	161	17.6	8.1	8.1	31.8	31.8	98.2	98.2	7.7	7.7	12.5	9	73	9	73	<0.2	<0.2	1.1	1.1				
						4.2	0.2	174	17.6	8.1	8.1	31.9	31.8	98.1	98.2	7.7	7.7	12.5	9	76	9	76	<0.2	<0.2	1.1	1.1				
					Bottom	7.4	0.1	217	17.5	8.1	8.1	32.0	32.0	98.3	98.4	7.8	7.8	16.1	7	75	7	75	<0.2	<0.2	1.0	1.0				
						7.4	0.1	235	17.5	8.1	8.1	32.0	32.0	98.5	98.4	7.8	7.8	16.1	7	76	7	76	<0.2	<0.2	1.0	1.0				
C2	Misty	Moderate	14:31	11.9	Surface	1.0	0.0	88	18.2	8.1	8.1	31.1	31.1	98.9	98.9	7.7	7.7	6.1	7	71	7	71	825707	806931	<0.2	<0.2	1.4	1.4		
						1.0	0.0	88	18.2	8.1	8.1	31.1	31.1	98.9	98.9	7.7	7.7	5.9	5	71	5	71	<0.2	<0.2	1.6	1.6				
					Middle	6.0	0.1	55	18.2	8.1	8.1	31.4	31.4	99.1	99.2	7.7	7.7	9.1	12	73	12	73	<0.2	<0.2	1.5	1.5				
						6.0	0.1	59	18.2	8.1	8.1	31.4	31.4	99.2	99.2	7.7	7.7	9.1	12	73	12	73	<0.2	<0.2	1.4	1.4				
					Bottom	10.9	0.2	59	18.2	8.1	8.1	31.7	31.7	99.5	99.5	7.8	7.8	9.4	10	75	10	75	<0.2	<0.2	1.1	1.1				
						10.9	0.2	82	18.2	8.1	8.1	31.7	31.7	99.5	99.5	7.8	7.8	9.6	11	74	11	74	<0.2	<0.2	1.2	1.2				
C3	Misty	Moderate	16:16	12.0	Surface	1.0	0.1	101	18.5	8.1	8.1	30.4	30.4	95.1	95.2	7.4	7.4	2.3	5	71	5	71	822080	817814	<0.2	<0.2	1.0	1.0		
						1.0	0.1	102	18.5	8.1	8.1	30.4	30.4	95.2	95.2	7.4	7.4	2.3	6	71	6	71	<0.2	<0.2	0.8	0.8				
					Middle	6.0	0.2	97	18.4	8.1	8.1	30.3	30.3	94.8	94.8	7.4	7.4	2.9	6	73	6	73	<0.2	<0.2	0.9	0.9				
						6.0	0.2	103	18.4	8.1	8.1	30.3	30.3	94.8	94.8	7.4	7.4	2.9	7	73	7	73	<0.2	<0.2	0.7	0.7				
					Bottom	11.0	0.2	71	18.4	8.1	8.1	30.2	30.2	95.1	95.2	7.5	7.5	2.5	8	75	8	75	<0.2	<0.2	0.8	0.8				
						11.0	0.2	75	18.4	8.1	8.1	30.2	30.2	95.2	95.2	7.5	7.5	2.6	10	75	10	75	<0.2	<0.2	0.8	0.8				
IM1	Cloudy	Calm	15:25	7.4	Surface	1.0	0.2	76	17.6	8.1	8.1	31.4	31.4	99.6	99.5	7.9	7.9	7.6	6	72	6	72	818372	806481	<0.2	<0.2	1.3	1.1		
						1.0	0.2	81	17.6	8.1	8.1	31.4	31.4	99.3	99.5	7.9	7.9	7.7	7	72	7	72	<0.2	<0.2	1.1	1.1				
					Middle	3.7	0.1	77	17.5	8.1	8.1	32.0	32.0	98.5	98.5	7.8	7.8	10.0	8	73	8	73	<0.2	<0.2	0.9	0.9				
						3.7	0.1	82	17.5	8.1	8.1	32.0	32.0	98.5	98.5	7.8	7.8	10.1	9	74	9	74	<0.2	<0.2	0.8	0.8				
					Bottom	6.4	0.0	42	17.5	8.1	8.1	32.1	32.1	98.4	98.4	7.8	7.8	11.2	8	75	8	75	<0.2	<0.2	1.2	1.2				
						6.4	0.0	44	17.5	8.1	8.1	32.1	32.1	98.4	98.4	7.8	7.8	11.2	9	75	9	75	<0.2	<0.2	1.2	1.2				
IM2	Cloudy	Calm	15:18	8.0	Surface	1.0	0.1	49	17.5	8.1	8.1	31.6	31.6	98.7	98.7	7.8	7.8	8.5	8	71	8	71	818853	806175	<0.2	<0.2	1.4	1.1		
						1.0	0.1	49	17.5	8.1	8.1	31.6	31.6	98.6	98.7	7.8	7.8	8.7	7	71	7	71	<0.2	<0.2	1.2	1.2				
					Middle	4.0	0.1	308	17.5	8.1	8.1	32.1	32.1	97.9	97.9	7.7	7.7	12.7	14	73	14	73	<0.2	<0.2	1.0	1.0				
						4.0	0.1	318	17.5	8.1	8.1	32.1	32.1	97.9	97.9	7.7	7.7	12.8	13	73	13	73	<0.2	<0.2	0.8	0.8				
					Bottom	7.0	0.0	288	17.5	8.1	8.1	32.1	32.1	97.9	98.0	7.7	7.7	13.6	15	75	15	75	<0.2	<0.2	0.9	0.9				
						7.0	0.0	282	17.5	8.1	8.1	32.1	32.1	98.0	98.0	7.7	7.7	13.6	15	76	15	76	<0.2	<0.2	1.1	1.1				
IM3	Cloudy	Calm	15:12	8.3	Surface	1.0	0.1	47	17.5	8.1	8.1	31.8	31.8	99.1	99.1	7.8	7.8	9.1	6	72	6	72	819425	806001	<0.2	<0.2	1.2	1.1		
						1.0	0.1	49	17.5	8.1	8.1	31.8	31.8	99.1	99.1	7.8	7.8	9.2	8	72	8	72	<0.2	<0.2	1.2	1.2				
					Middle	4.2	0.2	56	17.5	8.1	8.1	32.0	32.0	98.0	98.0	7.7	7.7	12.5	12	73	12	73	<0.2	<0.2	1.3	1.3				
						4.2	0.2	57	17.5	8.1	8.1	32.0	32.0	98.0	98.0	7.7	7.7	12.5	13	74	13	74	<0.2	<0.2	1.2	1.2				
					Bottom	7.3	0.1	59	17.5	8.1	8.1	32.0	32.0	98.1	98.1	7.7	7.7	13.5	13	75	13	75	<0.2	<0.2	1.0	1.0				
						7.3	0.1	63	17.5	8.1	8.1	32.0	32.0	98.1	98.1	7.7	7.7	13.4	14	75	14	75	<0.2	<0.2	0.9	0.9				
IM4	Cloudy	Calm	15:05	7.5	Surface	1.0	0.1	47	17.6	8.1	8.1	31.8	31.8	99.1	99.1	7.8	7.8	8.4	9	73	9	73	819572	805065	<0.2	<0.2	1.2	1.0		
						1.0	0.1	47	17.6	8.1	8.1	31.8	31.8	99.0	99.1	7.8	7.8	8.6	9	73	9	73	<0.2	<0.2	1.0	1.0				
					Middle	3.8	0.1	-	17.5	8.1	8.1	32.0	32.0	98.3	98.3	7.8	7.8	10.6	14	74	14	74	<0.2	<0.2	1.0	1.0				
						3.8	0.1	-	17.5	8.1	8.1	32.0	32.0	98.3	98.3	7.8	7.8	10.6	13	74	13	74	<0.2	<0.2	0.8	0.8				
					Bottom	6.5	0.1	261	17.5	8.1	8.1	32.1	32.1	98.5	98.5	7.8	7.8	11.1	17	75	17	75	<0.2	<0.2	1.0	1.0				
						6.5	0.1	274	17.5	8.1	8.1	32.1	32.1	98.5	98.5	7.8	7.8	11.2	15	75	15	75	<0.2	<0.2	1.2	1.2				
IM5	Cloudy	Calm	14:57	6.6	Surface	1.0	0.1	25	17.6	8.1	8.1	31.9	31.9	99.5	99.5	7.8	7.8	9.8	8	73	8	73	820557	804909	<0.2	<0.2	1.2	1.2		
						1.0	0.1	27	17.6	8.1	8.1	31.9	31.9	99.5	99.5	7.8	7.8	9.8	8	73	8	73	<0.2	<0.2	1.2	1.2				
					Middle	3.3	0.1	24	17.4	8.1	8.1	32.0	32.0	98.0	98.0	7.8	7.8	14.0	14	73	14	73	<0.2	<0.2	1.0	1.0				
						3.3	0.2	25	17.4	8.1	8.1	32.0	32.0	98.0	98.0	7.8	7.8	14.2	13	73	13	73	<0.2	<0.2	1.0	1.0				
					Bottom	5.6	0.1	67	17.4	8.1	8.1	32.0	32.0	98.1	98.1	7.8	7.8	17.3	12	75	12	75	<0.2	<0.2	1.1	1.1				
						5.6	0.1	68	17.4	8.1	8.1	32.0	32.0	98.2	98.2	7.8	7.8	17.1	12	76	12	76	<0.2	<0.2	1.4	1.4				
IM6	Cloudy	Calm	14:49	6.7	Surface	1.0	0.2	62	17.6	8.1	8.1	32.0	32.0	99.2	99.2	7.8	7.8	11.1	13	72	13	72	821073	805801	<0.2	<0.2	1.1	1.1		
						1.0	0.2	64	17.6	8.1	8.1	32.0	32.0	99.2	99.2	7.8	7.8	11.2	15	72	15	72	<0.2	<0.2	1.3	1.3				
					Middle	3.4	0.1	64	17.4	8.1	8.1	32.0	32.0	98.4	98.4	7.8	7.8	13.9	16	73	16	73	<0.2	<0.2	1.1	1.1				
						3.4	0.1	65	17.4	8.1	8.1	32.0	32.0	98.4	98.4	7.8	7.8	13.8	15	73	15	73	<0.2	<0.2	1.3	1.3				
					Bottom	5.7	0.1	68	17.4	8.1	8.1	32.0	32.0	98.3	98.3	7.8	7.8	18.8	18	75	18	75	<0.2	<						

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

Water Quality Monitoring Results on 23 December 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Misty	Moderate	15:04	7.1	Surface	1.0	0.3	76	17.9	17.9	8.2	8.2	30.5	30.5	99.6	99.6	7.9	7.9	9.1	8	71	71	73	822104	808839	<0.2	1.0	<0.2	1.0				
						1.0	0.3	83	17.9	8.2	8.2	30.5	30.5	99.5	99.6	7.9	7.9	9.3	9	71	71	73	73										
					Middle	3.6	0.3	75	17.8	17.8	8.2	8.2	30.6	30.6	99.0	99.1	7.8	7.8	13.2	13	73	73	73	73	73	73	73	<0.2	1.0	<0.2	1.1		
						3.6	0.3	79	17.8	17.8	8.2	8.2	30.6	30.6	99.1	99.1	7.8	7.8	13.4	13	73	73	73	73	73	73	73	<0.2	1.1	<0.2	1.0		
					Bottom	6.1	0.2	63	17.8	17.8	8.2	8.2	30.7	30.7	99.4	99.4	7.9	7.9	13.2	17	75	75	18	75	75	75	75	75	75	<0.2	1.0	<0.2	1.1
						6.1	0.2	63	17.8	17.8	8.2	8.2	30.7	30.7	99.4	99.4	7.9	7.9	13.1	18	75	75	75	75	75	75	75	75	75	<0.2	1.0	<0.2	1.1
IM10	Misty	Moderate	15:12	6.8	Surface	1.0	0.2	103	18.2	18.2	8.2	8.2	30.5	30.5	98.8	98.8	7.8	7.8	8.4	12	71	71	73	822221	809844	<0.2	1.1	<0.2	1.2				
						1.0	0.2	112	18.2	18.2	8.2	8.2	30.5	30.5	98.8	98.8	7.8	7.8	8.4	11	71	71	73	73	73	73	<0.2	1.0	<0.2	1.2			
					Middle	3.4	0.2	104	18.0	18.0	8.2	8.2	30.4	30.4	98.3	98.4	7.8	7.8	10.8	13	73	73	73	73	73	73	73	73	<0.2	1.0	<0.2	1.1	
						3.4	0.2	106	18.0	18.0	8.2	8.2	30.4	30.4	98.4	98.4	7.8	7.8	10.9	12	73	73	73	73	73	73	73	<0.2	1.0	<0.2	1.3		
					Bottom	5.8	0.2	99	18.0	18.0	8.2	8.2	30.3	30.3	98.4	98.4	7.8	7.8	13.4	16	75	75	17	75	75	75	75	75	75	<0.2	1.0	<0.2	1.2
						5.8	0.2	103	18.0	18.0	8.2	8.2	30.3	30.3	98.4	98.4	7.8	7.8	13.5	17	75	75	75	75	75	75	75	75	75	<0.2	1.1	<0.2	1.2
IM11	Misty	Moderate	15:23	7.1	Surface	1.0	0.3	98	18.3	18.3	8.2	8.2	30.7	30.7	99.0	99.0	7.8	7.8	8.8	12	71	71	73	821485	810569	<0.2	1.1	<0.2	1.2				
						1.0	0.3	101	18.3	18.3	8.2	8.2	30.7	30.7	99.0	99.0	7.8	7.8	8.9	11	71	71	73	73	73	73	73	<0.2	1.0	<0.2	1.1		
					Middle	3.6	0.2	103	18.2	18.2	8.2	8.2	30.7	30.7	98.7	98.8	7.8	7.8	9.9	11	73	73	73	73	73	73	73	73	<0.2	1.0	<0.2	1.1	
						3.6	0.2	112	18.2	18.2	8.2	8.2	30.7	30.7	98.8	98.8	7.8	7.8	9.8	12	73	73	73	73	73	73	73	<0.2	1.0	<0.2	1.4		
					Bottom	6.1	0.2	91	18.1	18.1	8.2	8.2	30.6	30.6	99.2	99.2	7.8	7.8	10.3	15	75	75	14	75	75	75	75	75	75	<0.2	1.4	<0.2	1.4
						6.1	0.2	91	18.1	18.1	8.2	8.2	30.6	30.6	99.2	99.2	7.8	7.8	10.3	14	75	75	75	75	75	75	75	75	75	<0.2	1.4	<0.2	1.4
IM12	Misty	Moderate	15:30	8.7	Surface	1.0	0.4	111	18.1	18.1	8.2	8.2	30.9	30.9	99.2	99.2	7.8	7.8	6.8	8	71	71	73	821151	811496	<0.2	1.0	<0.2	1.1				
						1.0	0.4	118	18.1	18.1	8.2	8.2	30.9	30.9	99.2	99.2	7.8	7.8	6.8	8	71	71	73	73	73	73	73	<0.2	1.2	<0.2	1.1		
					Middle	4.4	0.3	108	18.0	18.0	8.2	8.2	30.9	30.9	98.4	98.4	7.8	7.8	6.9	10	73	73	73	73	73	73	73	73	<0.2	1.1	<0.2	1.1	
						4.4	0.3	109	18.0	18.0	8.2	8.2	30.9	30.9	98.4	98.4	7.8	7.8	6.8	9	73	73	73	73	73	73	73	<0.2	1.1	<0.2	1.1		
					Bottom	7.7	0.2	108	17.9	17.9	8.2	8.2	30.8	30.8	98.5	98.5	7.8	7.8	7.6	9	75	75	10	75	75	75	75	75	75	<0.2	1.0	<0.2	1.0
						7.7	0.2	111	17.9	17.9	8.2	8.2	30.8	30.8	98.5	98.5	7.8	7.8	7.7	10	75	75	75	75	75	75	75	75	75	<0.2	1.0	<0.2	1.0
SR2	Misty	Moderate	15:55	4.5	Surface	1.0	0.3	43	17.9	17.9	8.2	8.2	31.0	31.0	99.3	99.3	7.8	7.8	5.2	11	71	71	73	821465	814181	<0.2	0.9	<0.2	1.2				
						1.0	0.3	45	17.9	17.9	8.2	8.2	31.0	31.0	99.2	99.2	7.8	7.8	5.2	10	71	71	73	73	73	73	73	<0.2	1.0	<0.2	0.9		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.5	0.3	48	17.9	17.9	8.2	8.2	31.0	31.0	99.4	99.4	7.8	7.8	5.5	10	73	73	11	73	73	73	73	73	73	<0.2	1.0	<0.2	0.9
						3.5	0.3	52	17.9	17.9	8.2	8.2	31.0	31.0	99.4	99.4	7.8	7.8	5.5	11	73	73	73	73	73	73	73	73	73	<0.2	1.0	<0.2	0.9
SR3	Misty	Moderate	14:52	9.2	Surface	1.0	0.2	106	18.2	18.2	8.1	8.1	31.3	31.3	99.2	99.3	7.8	7.8	9.4	11	-	-	-	822165	807541	-	-	-	-	-			
						1.0	0.2	115	18.2	18.2	8.1	8.1	31.3	31.3	99.3	99.3	7.8	7.8	9.6	11	-	-	-	-	-	-	-	-	-	-	-		
					Middle	4.6	0.2	76	18.1	18.1	8.2	8.2	31.5	31.5	99.3	99.3	7.8	7.8	15.9	9	-	-	-	-	-	-	-	-	-	-	-	-	
						4.6	0.3	77	18.1	18.1	8.2	8.2	31.5	31.5	99.3	99.3	7.8	7.8	16.2	10	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	8.2	0.3	85	17.8	17.8	8.1	8.1	31.4	31.4	99.1	99.1	7.8	7.8	25.3	18	-	-	-	-	-	-	-	-	-	-	-	-	-
						8.2	0.3	85	17.8	17.8	8.1	8.1	31.4	31.4	99.1	99.1	7.8	7.8	25.5	18	-	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Cloudy	Calm	16:03	8.2	Surface	1.0	0.3	79	17.7	17.7	8.1	8.1	32.0	32.0	99.8	99.7	7.8	7.8	7.9	9	-	-	-	817209	807814	-	-	-	-	-			
						1.0	0.4	84	17.7	17.7	8.1	8.1	32.0	32.0	99.6	99.6	7.8	7.8	8.1	10	-	-	-	-	-	-	-	-	-	-	-		
					Middle	4.1	0.3	72	17.7	17.7	8.1	8.1	32.1	32.1	99.1	99.1	7.8	7.8	8.6	12	-	-	-	-	-	-	-	-	-	-	-	-	
						4.1	0.3	77	17.7	17.7	8.1	8.1	32.1	32.1	99.1	99.1	7.8	7.8	8.7	10	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.2	0.2	61	17.7	17.7	8.1	8.1	32.1	32.1	99.0	99.0	7.8	7.8	9.2	10	-	-	-	-	-	-	-	-	-	-	-	-	-
						7.2	0.2	63	17.7	17.7	8.1	8.1	32.1	32.1	99.0	99.0	7.8	7.8	9.2	11	-	-	-	-	-	-	-	-	-	-	-	-	-
SR5A	Cloudy	Calm	16:19	3.5	Surface	1.0	0.1	357	17.7	17.7	8.1	8.1	32.1	32.1	99.8	99.8	7.8	7.8	7.9	8	-	-	-	816602	810678	-	-	-	-	-			
						1.0	0.1	328	17.7	17.7	8.1	8.1	32.1	32.1	99.8	99.8	7.8	7.8	8.0	7	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.5	0.1	27	17.7	17.7	8.1	8.1	32.1	32.1	99.3	99.3	7.8	7.8	9.4	8	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.5	0.1	29	17.7	17.7	8.1	8.1	32.1	32.1	99.3	99.3	7.8	7.8	9.4	10	-	-	-	-	-								

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

Water Quality Monitoring Results on 23 December 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	Calm	10:57	8.3	Surface	1.0	0.6	46	17.5	17.5	8.1	8.1	32.1	32.1	97.9	97.9	7.7	7.7	13.5	18.5	10	10	73	74	815596	804250	<0.2	<0.2	1.1	1.1				
						1.0	0.6	50	17.5	17.5	8.1	8.1	32.1	32.1	97.9	97.9	7.7	7.7	13.4	18.5	8	10	73	74	<0.2	<0.2	1.0	1.0						
					Middle	4.2	0.6	48	17.5	17.5	8.1	8.1	32.1	32.1	97.5	97.5	7.7	7.7	19.6	18.5	10	10	73	74	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.2	1.2		
						4.2	0.6	52	17.5	17.5	8.1	8.1	32.1	32.1	97.5	97.5	7.7	7.7	19.6	18.5	10	10	74	74	<0.2	<0.2	1.2	1.2						
					Bottom	7.3	0.5	44	17.5	17.5	8.1	8.1	32.1	32.1	97.3	97.3	7.7	7.7	22.4	18.5	11	10	76	74	<0.2	<0.2	1.2	1.2	<0.2	<0.2	1.2	1.2		
						7.3	0.5	45	17.5	17.5	8.1	8.1	32.1	32.1	97.3	97.3	7.7	7.7	22.4	18.5	12	10	76	74	<0.2	<0.2	1.3	1.3						
C2	Cloudy	Moderate	11:43	11.4	Surface	1.0	0.5	279	18.2	18.2	8.1	8.1	29.5	29.5	96.2	96.2	7.6	7.6	5.9	12.2	9	9	71	74	825689	806928	<0.2	<0.2	1.4	1.4				
						1.0	0.5	289	18.2	18.2	8.1	8.1	29.5	29.5	96.2	96.2	7.6	7.6	5.9	12.2	9	9	72	74	<0.2	<0.2	1.2	1.2						
					Middle	5.7	0.5	274	18.1	18.1	8.1	8.1	29.7	29.7	95.9	95.9	7.6	7.6	9.9	12.2	8	9	74	74	<0.2	<0.2	1.5	1.5	<0.2	<0.2	1.4	1.4		
						5.7	0.5	287	18.1	18.1	8.1	8.1	29.7	29.7	95.9	95.9	7.6	7.6	10.0	12.2	7	9	74	74	<0.2	<0.2	1.5	1.5						
					Bottom	10.4	0.4	278	18.0	18.0	8.1	8.1	29.7	29.7	96.3	96.3	7.6	7.6	20.6	12.2	8	9	76	74	<0.2	<0.2	1.5	1.5	<0.2	<0.2	1.3	1.3		
						10.4	0.5	293	18.0	18.0	8.1	8.1	29.7	29.7	96.2	96.2	7.6	7.6	20.7	12.2	10	9	75	74	<0.2	<0.2	1.3	1.3						
C3	Cloudy	Moderate	09:56	11.0	Surface	1.0	0.5	291	18.0	18.0	8.1	8.1	29.6	29.6	98.3	98.3	7.8	7.8	5.2	8.8	9	9	71	74	822093	817828	<0.2	<0.2	0.8	0.8				
						1.0	0.5	316	18.0	18.0	8.1	8.1	29.6	29.6	98.3	98.3	7.8	7.8	5.3	8.8	8	9	72	74	<0.2	<0.2	0.7	0.7						
					Middle	5.5	0.4	296	18.0	18.0	8.1	8.1	29.6	29.6	98.5	98.5	7.8	7.8	9.0	8.8	7	9	73	74	<0.2	<0.2	0.7	0.7	<0.2	<0.2	0.7	0.7		
						5.5	0.4	318	18.0	18.0	8.1	8.1	29.6	29.6	98.6	98.6	7.8	7.8	8.9	8.8	9	9	74	74	<0.2	<0.2	0.7	0.7						
					Bottom	10.0	0.3	299	17.9	17.9	8.1	8.1	30.0	30.0	99.7	99.7	7.9	7.9	12.2	8.8	11	9	75	74	<0.2	<0.2	0.8	0.8	<0.2	<0.2	0.8	0.8		
						10.0	0.3	316	17.9	17.9	8.1	8.1	30.0	30.0	99.8	99.8	7.9	7.9	12.2	8.8	11	9	76	74	<0.2	<0.2	0.8	0.8						
IM1	Cloudy	Calm	11:14	7.2	Surface	1.0	0.5	10	17.5	17.5	8.1	8.1	32.0	32.0	99.2	99.2	7.8	7.8	11.7	18.2	9	9	73	75	818385	806463	<0.2	<0.2	1.0	1.0				
						1.0	0.5	10	17.5	17.5	8.1	8.1	32.0	32.0	99.1	99.1	7.8	7.8	12.1	18.2	9	9	73	75	<0.2	<0.2	1.0	1.0						
					Middle	3.6	0.4	7	17.3	17.3	8.1	8.1	32.0	32.0	98.2	98.2	7.8	7.8	20.3	18.2	8	9	74	74	<0.2	<0.2	0.9	0.9	<0.2	<0.2	1.0	1.0		
						3.6	0.5	7	17.3	17.3	8.1	8.1	32.0	32.0	98.2	98.2	7.8	7.8	20.3	18.2	9	9	74	74	<0.2	<0.2	0.9	0.9						
					Bottom	6.2	0.4	2	17.3	17.3	8.1	8.1	32.0	32.0	97.6	97.6	7.7	7.7	22.5	18.2	10	9	76	74	<0.2	<0.2	0.9	0.9	<0.2	<0.2	0.9	0.9		
						6.2	0.4	2	17.3	17.3	8.1	8.1	32.0	32.0	97.6	97.6	7.7	7.7	22.5	18.2	9	9	77	74	<0.2	<0.2	0.9	0.9						
IM2	Cloudy	Calm	11:25	7.9	Surface	1.0	0.6	25	17.4	17.4	8.1	8.1	32.0	32.0	98.4	98.4	7.8	7.8	16.7	20.0	14	13	73	74	818859	806190	<0.2	<0.2	1.0	1.0				
						1.0	0.7	26	17.4	17.4	8.1	8.1	32.0	32.0	98.4	98.4	7.8	7.8	16.4	20.0	13	13	72	73	<0.2	<0.2	1.0	1.0						
					Middle	4.0	0.5	16	17.4	17.4	8.1	8.1	32.0	32.0	98.0	98.0	7.8	7.8	18.0	20.0	13	13	73	73	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.1	1.1		
						4.0	0.5	17	17.4	17.4	8.1	8.1	32.0	32.0	98.0	98.0	7.8	7.8	18.2	20.0	13	13	73	73	<0.2	<0.2	1.1	1.1						
					Bottom	6.9	0.4	23	17.4	17.4	8.1	8.1	32.0	32.0	97.5	97.5	7.7	7.7	25.5	20.0	14	13	76	76	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0		
						6.9	0.4	23	17.4	17.4	8.1	8.1	32.0	32.0	97.6	97.6	7.7	7.7	25.2	20.0	13	13	76	76	<0.2	<0.2	1.0	1.0						
IM3	Cloudy	Calm	11:32	8.1	Surface	1.0	0.4	27	17.8	17.8	8.1	8.1	32.0	32.0	97.7	97.7	7.7	7.7	9.3	16.1	12	12	72	73	819400	806006	<0.2	<0.2	1.0	0.9				
						1.0	0.4	29	17.8	17.8	8.1	8.1	32.0	32.0	97.8	97.8	7.7	7.7	9.4	16.1	12	12	72	73	<0.2	<0.2	0.9	0.9						
					Middle	4.1	0.4	24	17.7	17.7	8.1	8.1	32.0	32.0	97.2	97.2	7.6	7.6	16.3	16.1	11	12	73	73	<0.2	<0.2	0.8	0.8	<0.2	<0.2	0.9	0.9		
						4.1	0.4	25	17.7	17.7	8.1	8.1	32.0	32.0	97.3	97.3	7.7	7.7	16.7	16.1	12	12	73	73	<0.2	<0.2	0.9	0.9						
					Bottom	7.1	0.4	24	17.7	17.7	8.1	8.1	32.0	32.0	97.4	97.4	7.7	7.7	22.2	16.1	13	12	75	75	<0.2	<0.2	0.8	0.8	<0.2	<0.2	0.8	0.8		
						7.1	0.4	25	17.7	17.7	8.1	8.1	32.0	32.0	97.5	97.5	7.7	7.7	22.6	16.1	12	12	75	75	<0.2	<0.2	0.8	0.8						
IM4	Cloudy	Calm	11:39	7.5	Surface	1.0	0.5	22	17.4	17.4	8.1	8.1	31.8	31.8	99.6	99.6	7.9	7.9	9.7	19.2	7	11	73	75	819557	805031	<0.2	<0.2	1.2	1.1				
						1.0	0.5	22	17.4	17.4	8.1	8.1	31.8	31.8	99.6	99.6	7.9	7.9	9.8	19.2	8	11	73	75	<0.2	<0.2	1.2	1.2						
					Middle	3.8	0.5	17	17.4	17.4	8.1	8.1	32.0	32.0	98.3	98.3	7.8	7.8	15.8	19.2	10	11	74	75	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.1	1.1		
						3.8	0.5	17	17.4	17.4	8.1	8.1	32.0	32.0	98.3	98.3	7.8	7.8	15.6	19.2	9	11	75	75	<0.2	<0.2	1.1	1.1						
					Bottom	6.5	0.4	16	17.4	17.4	8.1	8.1	32.0	32.0	98.0	98.0	7.8	7.8	32.4	19.2	16	16	76	76	<0.2	<0.2	1.0	1.0	<0.2	<0.2	1.0	1.0		
						6.5	0.4	17	17.4	17.4	8.1	8.1	32.0	32.0	98.0	98.0	7.8	7.8	32.1	19.2	15	16	76	76	<0.2	<0.2	1.0	1.0						
IM5	Cloudy	Calm	11:47	6.6	Surface	1.0	0.5	8	17.9	17.9	8.1	8.1	32.0	32.0	99.3	99.3	7.8	7.8	8.7	16.1	9	16	73	75	820585	804907	<0.2	<0.2	1.0	1.0				
						1.0	0.5	8	17.9	17.9	8.1	8.1	32.0	32.0	99.2	99.2	7.8	7.8	8.8	16.1	10	16	73	75	<0.2	<0.2	1.0	1.0						
					Middle	3.3	0.5	9	17.6	17.6	8.1	8.1	32.0	32.0	97.9	97.9	7.7	7.7	17.4	16.1	15	16	74	74	<0.2	<0.2	0.9	0.9	<0.2	<0.2	1.0	1.0		
						3.3	0.5	9	17.6	17.6	8.1	8.1	32.0	32.0	97.9	97.9	7.7	7.7	17.3	16.1	14	16	74	74	<0.2	<0.2	0.9	0.9						
					Bottom																													

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

Water Quality Monitoring Results on **26 December 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	Fine	Moderate	19:08	8.6	Surface	1.0	0.1	193	18.0	8.1	8.1	32.2	32.2	99.2	99.2	7.7	7.7	9.2	9.2	7	7	71	71	815639	804237	<0.2	0.7	<0.2	0.6		
						1.0	0.1	200	18.0	8.1	8.1	32.2	32.2	99.2	99.2	7.7	7.7	9.2	9.2	6	6	73	73			<0.2	0.7	<0.2	0.6		
					Middle	4.3	0.1	199	18.0	8.1	8.1	32.2	32.2	99.2	99.2	7.7	7.7	9.3	9.3	7	7	71	71	73	73			<0.2	0.7	<0.2	0.6
						4.3	0.1	217	18.0	8.1	8.1	32.2	32.2	99.2	99.2	7.7	7.7	9.4	9.4	8	8	75	75			<0.2	0.6	<0.2	0.8		
					Bottom	7.6	0.1	201	18.0	8.1	8.1	32.2	32.2	99.1	99.1	7.7	7.7	9.4	9.4	7	7	75	75					<0.2	0.7	<0.2	0.6
						7.6	0.1	214	18.0	8.1	8.1	32.2	32.2	99.1	99.1	7.7	7.7	9.4	9.4	7	7	75	75					<0.2	0.7	<0.2	0.6
C2	Cloudy	Moderate	17:58	11.9	Surface	1.0	0.1	77	18.2	8.1	8.1	30.9	30.9	100.0	100.0	7.8	7.8	3.1	3.1	5	5	71	71	825654	806953	<0.2	2.2	<0.2	2.0		
						1.0	0.2	82	18.2	8.1	8.1	30.9	30.9	99.9	99.9	7.8	7.8	3.1	3.1	6	6	71	71			<0.2	2.2	<0.2	2.0		
					Middle	6.0	0.1	85	18.2	8.1	8.1	30.8	30.8	99.6	99.6	7.8	7.8	3.3	3.3	5	5	73	73	73	73			<0.2	2.2	<0.2	2.0
						6.0	0.1	93	18.2	8.2	8.1	30.8	30.8	99.5	99.5	7.8	7.8	3.5	3.5	4	4	73	73			<0.2	1.8	<0.2	1.7		
					Bottom	10.9	0.1	189	18.3	8.2	8.2	31.2	31.2	99.1	99.1	7.7	7.7	3.9	3.9	7	7	75	75					<0.2	1.7	<0.2	1.7
						10.9	0.1	195	18.3	8.2	8.2	31.2	31.2	99.0	99.1	7.7	7.7	3.9	3.9	8	8	75	75					<0.2	1.7	<0.2	1.7
C3	Cloudy	Moderate	19:48	12.0	Surface	1.0	0.3	73	17.6	8.2	8.2	32.2	32.2	98.2	98.2	7.7	7.7	2.1	2.1	5	5	71	71	822125	817823	<0.2	1.0	<0.2	1.0		
						1.0	0.3	76	17.6	8.2	8.2	32.2	32.2	98.1	98.2	7.7	7.7	2.2	2.2	4	4	71	71			<0.2	1.0	<0.2	1.0		
					Middle	6.0	0.3	94	17.7	8.2	8.2	31.8	31.8	97.3	97.4	7.7	7.7	3.8	3.8	5	5	73	73	73	73			<0.2	1.1	<0.2	1.1
						6.0	0.3	95	17.7	8.2	8.2	31.8	31.8	97.4	97.4	7.7	7.7	3.9	3.9	5	5	73	73			<0.2	1.0	<0.2	1.0		
					Bottom	11.0	0.2	95	17.9	8.2	8.2	32.1	32.1	97.5	97.5	7.6	7.6	2.8	2.8	7	7	74	74					<0.2	1.0	<0.2	1.0
						11.0	0.3	101	17.9	8.2	8.2	32.1	32.1	97.5	97.5	7.6	7.6	2.9	2.9	6	6	75	75					<0.2	1.0	<0.2	1.0
IM1	Fine	Moderate	18:50	7.4	Surface	1.0	0.1	106	18.0	8.1	8.1	32.1	32.1	98.9	98.9	7.7	7.7	10.1	10.1	12	12	71	71	818370	806480	<0.2	0.7	<0.2	0.7		
						1.0	0.1	108	18.0	8.1	8.1	32.1	32.1	98.9	98.9	7.7	7.7	10.1	10.1	12	12	71	71			<0.2	0.7	<0.2	0.7		
					Middle	3.7	0.1	149	18.0	8.1	8.1	32.0	32.0	98.8	98.8	7.7	7.7	10.7	10.7	11	11	73	73	73	73			<0.2	0.6	<0.2	0.6
						3.7	0.1	156	18.0	8.1	8.1	32.0	32.0	98.8	98.8	7.7	7.7	10.5	10.5	11	11	73	73			<0.2	0.7	<0.2	0.7		
					Bottom	6.4	0.1	163	18.0	8.1	8.1	32.1	32.1	98.8	98.8	7.7	7.7	8.8	8.8	12	12	75	75					<0.2	0.7	<0.2	0.7
						6.4	0.2	174	18.0	8.1	8.1	32.1	32.1	98.8	98.8	7.7	7.7	8.9	8.9	12	12	75	75					<0.2	0.7	<0.2	0.7
IM2	Fine	Moderate	18:41	8.3	Surface	1.0	0.1	128	17.9	8.1	8.1	32.0	32.0	98.1	98.1	7.7	7.7	9.5	9.5	6	6	72	72	818872	806187	<0.2	0.7	<0.2	0.8		
						1.0	0.1	134	17.9	8.1	8.1	32.0	32.0	98.1	98.1	7.7	7.7	9.5	9.5	5	5	71	71			<0.2	0.8	<0.2	0.7		
					Middle	4.2	0.1	133	17.9	8.1	8.1	32.0	32.0	98.1	98.1	7.7	7.7	9.6	9.6	9	9	73	73	73	73			<0.2	0.7	<0.2	0.7
						4.2	0.1	136	17.9	8.1	8.1	32.0	32.0	98.1	98.1	7.7	7.7	9.5	9.5	9	9	73	73			<0.2	0.7	<0.2	0.7		
					Bottom	7.3	0.1	146	18.0	8.1	8.1	32.1	32.1	98.2	98.2	7.7	7.7	11.2	11.2	10	10	75	75					<0.2	0.7	<0.2	0.7
						7.3	0.1	160	18.0	8.1	8.1	32.1	32.1	98.2	98.2	7.7	7.7	11.1	11.1	8	8	75	75					<0.2	0.7	<0.2	0.7
IM3	Fine	Moderate	18:32	8.6	Surface	1.0	0.0	51	17.9	8.1	8.1	32.0	32.0	97.9	97.9	7.7	7.7	9.4	9.4	7	7	72	72	819412	806028	<0.2	0.7	<0.2	0.7		
						1.0	0.0	54	17.9	8.1	8.1	32.0	32.0	97.9	97.9	7.7	7.7	9.4	9.4	7	7	72	72			<0.2	0.7	<0.2	0.7		
					Middle	4.3	0.0	64	17.9	8.1	8.1	32.0	32.0	97.9	97.9	7.7	7.7	10.0	10.0	10	10	74	74	74	74			<0.2	0.9	<0.2	0.8
						4.3	0.0	65	17.9	8.1	8.1	32.0	32.0	97.9	97.9	7.7	7.7	10.1	10.1	8	8	73	73			<0.2	0.8	<0.2	0.8		
					Bottom	7.6	0.1	61	17.9	8.1	8.1	32.0	32.0	98.2	98.2	7.7	7.7	9.8	9.8	11	11	75	75					<0.2	0.7	<0.2	0.7
						7.6	0.1	64	17.9	8.1	8.1	32.0	32.0	98.2	98.2	7.7	7.7	9.8	9.8	12	12	75	75					<0.2	0.7	<0.2	0.7
IM4	Fine	Moderate	18:25	7.9	Surface	1.0	0.1	84	17.9	8.1	8.1	32.0	32.0	97.9	98.0	7.7	7.7	8.4	8.4	5	5	71	71	819582	805059	<0.2	0.8	<0.2	0.8		
						1.0	0.1	84	17.9	8.1	8.1	32.0	32.0	98.0	98.0	7.7	7.7	8.4	8.4	6	6	71	71			<0.2	0.8	<0.2	0.8		
					Middle	4.0	0.0	104	17.9	8.1	8.1	32.0	32.0	97.8	97.8	7.7	7.7	8.6	8.6	9	9	73	73	73	73			<0.2	0.7	<0.2	0.9
						4.0	0.0	105	17.9	8.1	8.1	32.0	32.0	97.8	97.8	7.7	7.7	8.6	8.6	9	9	73	73			<0.2	0.9	<0.2	0.9		
					Bottom	6.9	0.1	157	17.8	8.2	8.2	32.0	32.0	97.7	97.7	7.7	7.7	9.3	9.3	9	9	75	75					<0.2	0.7	<0.2	0.7
						6.9	0.1	165	17.8	8.2	8.2	32.0	32.0	97.7	97.7	7.7	7.7	9.3	9.3	10	10	75	75					<0.2	0.7	<0.2	0.7
IM5	Fine	Moderate	18:16	7.0	Surface	1.0	0.1	95	17.9	8.2	8.2	31.9	31.9	98.9	98.9	7.8	7.8	6.5	6.5	5	5	72	72	820572	804913	<0.2	0.8	<0.2	0.8		
						1.0	0.1	99	17.9	8.2	8.2	31.9	31.9	98.9	98.9	7.8	7.8	6.4	6.4	5	5	71	71			<0.2	0.8	<0.2	0.8		
					Middle	3.5	0.1	51	17.9	8.2	8.2	31.9	31.9	98.2	98.2	7.7	7.7	7.4	7.4	6	6	73	73	73	73			<0.2	0.9	<0.2	0.8
						3.5	0.1	53	17.9	8.2	8.2	31.9	31.9	98.2	98.2	7.7	7.7	7.4	7.4	5	5	73	73			<0.2	0.8	<0.2	0.8		
					Bottom	6.0	0.0	28	17.9	8.2	8.2	31.9	31.9	98.3	98.3	7.7	7.7	8.0	8.0	7	7	75	75					<0.2	0.8	<0.2	0.8
						6.0	0.0	28	17.9	8.2	8.2	31.9	31.9	98.3	98.3	7.7	7.7	8.3	8.3	8	8	75	75					<0.2	0.8	<0.2	0.8
IM6	Fine	Moderate	18:09	6.9	Surface	1.0	0.0	351	17.9	8.2	8.2	31.9	31.9	99.0	99.0	7.8	7.8	9.6	9.6												

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

Water Quality Monitoring Results on 26 December 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	Value	DA
C1	Fine	Moderate	13:11	8.6	Surface	1.0	0.1	357	17.9	17.9	8.1	8.1	31.9	31.9	99.1	99.1	7.8	7.8	5.9	7.8	13	17	71	74	815624	804268	<0.2	<0.2	0.7	0.8		
						1.0	0.1	328	17.9	8.1	8.1	31.9	31.9	99.1	99.1	7.7	7.7	5.8	7.8	14	17	72	74	71	74	<0.2	<0.2	0.8	0.8			
						4.3	0.7	11	17.8	8.1	8.1	31.9	31.9	98.2	98.2	7.7	7.7	11.3	7.7	15	17	74	76	74	76	<0.2	<0.2	0.7	0.7			
					Middle	4.3	0.7	11	17.8	8.1	8.1	31.9	31.9	98.1	98.1	7.7	7.7	11.3	7.7	16	17	74	76	74	76	<0.2	<0.2	0.8	0.7			
						7.6	0.1	12	17.8	8.1	8.1	31.9	31.9	98.1	98.1	7.7	7.7	13.6	7.7	22	17	76	76	74	76	<0.2	<0.2	0.7	0.8			
						7.6	0.1	12	17.8	8.1	8.1	31.9	31.9	98.2	98.2	7.7	7.7	14.2	7.7	20	17	76	76	74	76	<0.2	<0.2	0.8	0.8			
C2	Fine	Moderate	14:05	12.1	Surface	1.0	0.2	1	18.9	18.9	8.1	8.1	31.0	31.0	100.6	100.6	7.8	7.8	1.5	7.8	6	8	72	74	825672	806971	<0.2	<0.2	1.9	1.7		
						1.0	0.2	1	18.9	8.1	8.1	31.0	31.0	100.6	100.6	7.8	7.8	1.6	7.8	7	8	72	74	72	74	<0.2	<0.2	1.8	1.6			
						6.1	0.3	3	18.8	8.2	8.2	31.2	31.2	100.0	100.0	7.7	7.7	2.3	7.7	6	8	73	74	74	74	<0.2	<0.2	1.7	1.7			
					Middle	6.1	0.3	3	18.8	8.2	8.2	31.2	31.2	99.9	99.9	7.7	7.7	2.3	7.7	8	8	74	74	8	8	74	74	<0.2	<0.2	1.6	1.6	
						11.1	0.2	329	18.8	8.2	8.2	31.3	31.3	99.4	99.4	7.7	7.7	2.8	7.7	10	8	75	74	75	74	<0.2	<0.2	1.7	1.7			
						11.1	0.2	331	18.8	8.2	8.2	31.3	31.3	99.3	99.3	7.7	7.7	2.7	7.7	9	8	76	74	76	74	<0.2	<0.2	1.7	1.7			
C3	Fine	Moderate	12:16	11.3	Surface	1.0	0.3	278	18.5	18.5	8.2	8.2	32.1	32.1	97.6	97.7	7.6	7.6	2.0	7.6	7	8	71	74	822127	817780	<0.2	<0.2	1.5	1.5		
						1.0	0.4	284	18.5	8.2	8.2	32.1	32.1	97.8	97.7	7.6	7.6	2.1	7.6	6	8	72	74	72	74	<0.2	<0.2	1.5	1.5			
						5.7	0.4	276	19.0	8.1	8.1	32.3	32.3	98.7	98.7	7.6	7.6	5.3	7.6	8	8	74	74	8	8	74	74	<0.2	<0.2	1.6	1.6	
					Middle	5.7	0.4	297	19.0	8.1	8.1	32.3	32.3	98.7	98.7	7.6	7.6	5.2	7.6	8	8	74	74	8	8	74	74	<0.2	<0.2	1.4	1.4	
						10.3	0.3	274	18.4	8.2	8.2	32.2	32.2	97.7	97.8	7.6	7.6	2.8	7.6	10	8	75	74	10	8	75	74	<0.2	<0.2	1.5	1.5	
						10.3	0.3	297	18.4	8.2	8.2	32.2	32.2	97.8	97.8	7.6	7.6	2.9	7.6	10	8	76	74	10	8	76	74	<0.2	<0.2	1.4	1.4	
IM1	Fine	Moderate	13:30	7.0	Surface	1.0	0.0	76	17.9	17.9	8.1	8.1	31.4	31.4	100.2	100.2	7.9	7.9	4.9	7.9	10	12	72	74	818335	806430	<0.2	<0.2	1.2	1.1		
						1.0	0.0	80	17.9	8.1	8.1	31.4	31.4	100.1	100.1	7.9	7.9	4.9	7.9	10	12	72	74	72	74	<0.2	<0.2	1.1	1.1			
						3.5	0.1	80	17.7	8.1	8.1	31.6	31.6	98.1	98.1	7.7	7.7	9.9	7.7	10	12	76	74	10	12	76	74	<0.2	<0.2	1.1	1.1	
					Middle	3.5	0.1	85	17.7	8.1	8.1	31.6	31.6	98.1	98.1	7.7	7.7	10.1	7.7	10	12	76	74	10	12	76	74	<0.2	<0.2	1.1	1.1	
						6.0	0.1	87	17.7	8.1	8.1	31.6	31.6	97.8	97.9	7.7	7.7	12.5	7.7	16	12	77	74	16	12	77	74	<0.2	<0.2	0.9	0.9	
						6.0	0.1	87	17.7	8.1	8.1	31.6	31.6	97.9	97.9	7.7	7.7	11.9	7.7	14	12	77	74	14	12	77	74	<0.2	<0.2	1.0	1.0	
IM2	Fine	Moderate	13:44	8.5	Surface	1.0	0.5	36	18.0	18.0	8.1	8.1	31.4	31.4	100.3	100.3	7.9	7.9	4.9	7.9	10	12	72	74	818877	806201	<0.2	<0.2	1.2	1.1		
						1.0	0.5	39	18.0	8.1	8.1	31.4	31.4	100.2	100.2	7.9	7.9	4.9	7.9	8	12	72	74	72	74	<0.2	<0.2	1.1	1.1			
						4.3	0.4	32	17.6	8.1	8.1	31.6	31.6	97.7	97.7	7.7	7.7	15.2	7.7	9	12	74	74	9	12	74	74	<0.2	<0.2	1.1	1.1	
					Middle	4.3	0.4	32	17.6	8.1	8.1	31.6	31.6	97.7	97.7	7.7	7.7	16.1	7.7	8	12	74	74	8	12	74	74	<0.2	<0.2	1.0	1.0	
						7.5	0.4	23	17.6	8.1	8.1	31.6	31.6	97.6	97.7	7.7	7.7	17.9	7.7	19	12	76	74	19	12	76	74	<0.2	<0.2	1.0	1.0	
						7.5	0.5	23	17.6	8.1	8.1	31.6	31.6	97.7	97.7	7.7	7.7	18.3	7.7	20	12	76	74	20	12	76	74	<0.2	<0.2	0.9	0.9	
IM3	Fine	Moderate	13:50	8.4	Surface	1.0	0.3	7	18.0	18.0	8.1	8.1	31.4	31.4	100.5	100.5	7.9	7.9	8.2	7.9	8	12	72	74	819420	806026	<0.2	<0.2	1.2	1.1		
						1.0	0.4	7	18.0	8.1	8.1	31.4	31.4	100.4	100.4	7.9	7.9	8.2	7.9	8	12	72	74	72	74	<0.2	<0.2	1.2	1.2			
						4.2	0.3	-	17.6	8.1	8.1	31.5	31.5	98.1	98.1	7.7	7.7	14.0	7.7	11	12	74	74	11	12	74	74	<0.2	<0.2	1.1	1.1	
					Middle	4.2	0.3	-	17.6	8.1	8.1	31.5	31.5	98.1	98.1	7.7	7.7	14.1	7.7	13	12	74	74	13	12	74	74	<0.2	<0.2	1.1	1.1	
						7.4	0.3	356	17.6	8.1	8.1	31.5	31.5	97.7	97.7	7.7	7.7	18.9	7.7	18	12	76	74	18	12	76	74	<0.2	<0.2	1.0	1.0	
						7.4	0.4	328	17.6	8.1	8.1	31.5	31.5	97.7	97.7	7.7	7.7	19.2	7.7	19	12	76	74	19	12	76	74	<0.2	<0.2	1.0	1.0	
IM4	Fine	Moderate	13:59	7.7	Surface	1.0	0.4	16	17.9	17.9	8.1	8.1	31.5	31.5	100.6	100.6	7.9	7.9	7.2	7.9	5	13	72	74	819580	805068	<0.2	<0.2	1.3	1.2		
						1.0	0.4	17	17.9	8.1	8.1	31.5	31.5	100.5	100.5	7.9	7.9	7.3	7.9	6	13	72	74	72	74	<0.2	<0.2	1.2	1.2			
						3.9	0.4	21	17.7	8.1	8.1	31.6	31.6	98.1	98.1	7.7	7.7	12.7	7.7	8	13	74	74	8	13	74	74	<0.2	<0.2	1.1	1.1	
					Middle	3.9	0.4	21	17.7	8.1	8.1	31.6	31.6	98.1	98.1	7.7	7.7	12.9	7.7	9	13	74	74	9	13	74	74	<0.2	<0.2	1.1	1.1	
						6.7	0.4	20	17.7	8.1	8.1	31.6	31.6	97.8	97.8	7.7	7.7	20.0	7.7	23	13	76	74	23	13	76	74	<0.2	<0.2	1.0	1.0	
						6.7	0.4	20	17.7	8.1	8.1	31.6	31.6	97.8	97.8	7.7	7.7	23.3	7.7	24	13	76	74	24	13	76	74	<0.2	<0.2	0.9	0.9	
IM5	Fine	Moderate	14:07	6.9	Surface	1.0	0.4	19	17.9	17.9	8.1	8.1	31.3	31.3	100.3	100.3	7.9	7.9	9.4	7.9	10	17	72	74	820585	804904	<0.2	<0.2	1.2	1.2		
						1.0	0.4	19	17.9	8.1	8.1	31.3	31.3	100.3	100.3	7.9	7.9	9.4	7.9	11	17	72	74	72	74	<0.2	<0.2	1.4	1.4			
						3.5	0.3	23	17.6	8.1	8.1	31.5	31.5	98.0	98.0	7.7	7.7	16.8	7.7	19	17	74	74	19	17	74	74	<0.2	<0.2	1.1	1.1	
					Middle	3.5	0.3	25	17.6	8.1	8.1	31.5	31.5	98.0	98.0	7.7	7.7	16.5	7.7	19	17	74	74	19	17	74	74	<0.2	<0.2	1.1	1.1	
						5.9	0.3	25	17.6	8.1																						

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

Water Quality Monitoring

Water Quality Monitoring Results on **26 December 17** during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Fine	Moderate	13:29	7.1	Surface	1.0	0.1	353	18.3	18.3	8.2	8.2	31.5	31.5	99.9	99.9	7.8	7.8	5.0	5.0	12	14	72	74	822091	808800	<0.2	1.4	<0.2	1.4			
						1.0	0.1	325	18.3	8.2	8.2	31.5	31.5	99.9	99.9	7.8	7.8	5.0	5.0	12	14	72	74	822091	808800	<0.2	1.4	<0.2	1.4				
					Middle	3.6	0.1	358	18.3	18.3	8.2	8.2	31.6	31.5	99.7	99.7	7.8	7.8	5.3	5.3	13	15	74	74	74	74	822091	808800	<0.2	1.4	<0.2	1.4	
						3.6	0.1	329	18.3	18.3	8.2	8.2	31.6	31.5	99.6	99.7	7.8	7.8	5.5	5.5	15	15	74	74	74	74	822091	808800	<0.2	1.5	<0.2	1.5	
					Bottom	6.1	0.1	11	18.4	18.4	8.2	8.2	31.6	31.6	98.9	98.9	7.7	7.7	7.4	7.4	15	15	75	14	74	74	822091	808800	<0.2	1.5	<0.2	1.5	
						6.1	0.1	11	18.4	18.4	8.2	8.2	31.6	31.6	98.9	98.9	7.7	7.7	7.3	7.3	17	17	76	14	74	74	822091	808800	<0.2	1.5	<0.2	1.5	
IM10	Fine	Moderate	13:21	6.5	Surface	1.0	0.4	322	18.2	18.2	8.2	8.2	31.6	31.6	99.9	99.9	7.8	7.8	2.2	2.4	11	11	72	74	822252	809842	<0.2	1.2	<0.2	1.1			
						1.0	0.5	353	18.2	18.2	8.2	8.2	31.6	31.7	99.5	99.5	7.8	7.8	3.7	3.9	9	9	74	74	822252	809842	<0.2	1.1	<0.2	1.1			
					Middle	3.3	0.4	324	18.3	18.3	8.2	8.2	31.7	31.7	99.5	99.5	7.8	7.8	3.9	3.9	9	9	74	74	74	74	822252	809842	<0.2	1.2	<0.2	1.1	
						3.3	0.4	355	18.3	18.3	8.2	8.2	31.7	31.7	99.5	99.5	7.8	7.8	3.9	3.9	14	14	75	14	74	74	822252	809842	<0.2	1.2	<0.2	1.1	
					Bottom	5.5	0.3	319	18.0	18.0	8.2	8.2	31.6	31.6	98.8	98.8	7.7	7.7	3.9	3.9	14	14	75	14	74	74	822252	809842	<0.2	1.1	<0.2	1.1	
						5.5	0.4	337	18.0	18.0	8.2	8.2	31.6	31.6	98.7	98.8	7.7	7.7	3.9	3.9	12	12	76	14	74	74	822252	809842	<0.2	1.2	<0.2	1.2	
IM11	Fine	Moderate	13:09	8.2	Surface	1.0	0.4	301	18.7	18.7	8.2	8.2	31.6	31.6	101.1	101.1	7.8	7.8	1.3	1.4	7	8	72	73	821481	810562	<0.2	1.2	<0.2	1.3			
						1.0	0.4	325	18.7	18.7	8.2	8.2	31.6	31.6	101.0	101.1	7.8	7.8	1.4	1.4	8	9	72	73	821481	810562	<0.2	1.1	<0.2	1.1			
					Middle	4.1	0.3	298	18.8	18.8	8.2	8.2	31.8	31.8	100.2	100.2	7.7	7.7	2.3	2.3	9	9	73	10	74	74	821481	810562	<0.2	1.1	<0.2	1.1	
						4.1	0.4	327	18.8	18.8	8.2	8.2	31.8	31.8	100.1	100.2	7.7	7.7	2.2	2.2	10	10	74	10	74	74	821481	810562	<0.2	1.1	<0.2	1.1	
					Bottom	7.2	0.2	299	18.4	18.4	8.2	8.2	31.7	31.7	99.7	99.7	7.8	7.8	2.7	2.7	12	12	76	14	76	76	821481	810562	<0.2	1.3	<0.2	1.3	
						7.2	0.3	311	18.4	18.4	8.2	8.2	31.7	31.7	99.6	99.7	7.8	7.8	2.6	2.6	14	14	76	14	76	76	821481	810562	<0.2	1.3	<0.2	1.3	
IM12	Fine	Moderate	13:02	8.7	Surface	1.0	0.4	284	18.4	18.4	8.2	8.2	31.8	31.8	99.8	99.8	7.8	7.7	1.8	1.9	8	8	72	74	821144	811548	<0.2	1.1	<0.2	1.0			
						1.0	0.4	309	18.4	18.4	8.2	8.2	31.8	31.8	99.8	99.8	7.7	7.7	2.3	2.3	7	7	72	74	821144	811548	<0.2	1.0	<0.2	1.0			
					Middle	4.4	0.3	282	18.7	18.7	8.2	8.2	31.8	31.8	100.0	100.0	7.7	7.7	2.1	2.1	8	8	74	8	74	74	821144	811548	<0.2	1.3	<0.2	1.3	
						4.4	0.3	288	18.7	18.7	8.2	8.2	31.8	31.8	99.9	100.0	7.7	7.7	2.1	2.1	7	7	74	7	74	74	821144	811548	<0.2	1.0	<0.2	1.0	
					Bottom	7.7	0.2	278	18.3	18.3	8.2	8.2	31.9	31.9	99.6	99.6	7.7	7.7	2.7	2.7	8	8	76	8	76	76	821144	811548	<0.2	1.2	<0.2	1.2	
						7.7	0.2	283	18.3	18.3	8.2	8.2	31.9	31.9	99.5	99.6	7.7	7.7	2.7	2.7	8	8	76	8	76	76	821144	811548	<0.2	1.3	<0.2	1.3	
SR2	Fine	Moderate	12:38	4.5	Surface	1.0	0.2	123	18.4	18.4	8.2	8.2	31.9	31.9	99.8	99.8	7.8	7.8	1.9	1.8	9	10	72	74	821466	814179	<0.2	1.2	<0.2	1.1			
						1.0	0.2	123	18.4	18.4	8.2	8.2	31.9	31.9	99.8	99.8	7.8	7.8	1.8	1.8	11	11	72	74	821466	814179	<0.2	1.1	<0.2	1.1			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.5	0.2	120	18.3	18.3	8.2	8.2	31.9	31.9	99.0	99.0	7.7	7.7	3.3	3.1	10	11	74	10	74	74	821466	814179	<0.2	1.5	<0.2	1.4	
						3.5	0.2	121	18.3	18.3	8.2	8.2	31.9	31.9	99.0	99.0	7.7	7.7	3.1	3.1	11	11	74	11	74	74	821466	814179	<0.2	1.4	<0.2	1.4	
SR3	Fine	Moderate	13:44	9.0	Surface	1.0	0.3	23	18.4	18.4	8.2	8.2	31.3	31.3	99.9	99.9	7.8	7.8	3.6	3.8	11	11	-	-	822157	807596	-	-	-	-			
						1.0	0.3	24	18.4	18.4	8.2	8.2	31.3	31.3	99.9	99.9	7.8	7.8	3.8	3.8	11	11	-	-	-	-	822157	807596	-	-	-	-	
					Middle	4.5	0.3	16	18.4	18.4	8.2	8.2	31.4	31.4	99.2	99.2	7.7	7.7	3.8	3.8	11	11	-	-	-	-	822157	807596	-	-	-	-	
						4.5	0.3	17	18.4	18.4	8.2	8.2	31.4	31.4	99.1	99.2	7.7	7.7	3.8	3.8	12	12	-	-	-	-	822157	807596	-	-	-	-	
					Bottom	8.0	0.3	12	18.2	18.2	8.2	8.2	31.5	31.5	97.9	97.9	7.7	7.7	12.3	12.1	16	15	-	-	-	-	822157	807596	-	-	-	-	
						8.0	0.3	12	18.2	18.2	8.2	8.2	31.5	31.5	97.9	97.9	7.7	7.7	12.1	12.1	15	15	-	-	-	-	822157	807596	-	-	-	-	
SR4A	Fine	Calm	12:49	9.0	Surface	1.0	0.1	253	18.0	18.0	8.1	8.1	31.6	31.6	98.2	98.2	7.7	7.7	7.8	8	8	8	-	-	817166	807791	-	-	-	-			
						1.0	0.1	265	18.0	18.0	8.1	8.1	31.6	31.6	98.2	98.2	7.7	7.7	7.8	8	10	-	-	-	-	817166	807791	-	-	-	-		
					Middle	4.5	0.1	257	17.9	17.9	8.1	8.1	31.7	31.7	97.4	97.4	7.7	7.7	9.0	8.8	11	9	-	-	-	-	817166	807791	-	-	-	-	
						4.5	0.1	267	17.9	17.9	8.1	8.1	31.7	31.7	97.4	97.4	7.7	7.7	8.8	9.2	9	13	-	-	-	-	817166	807791	-	-	-	-	
					Bottom	8.0	0.0	255	17.9	17.9	8.1	8.1	31.7	31.7	97.4	97.4	7.6	7.6	9.2	9.2	13	12	-	-	-	-	817166	807791	-	-	-	-	
						8.0	0.0	268	17.9	17.9	8.1	8.1	31.7	31.7	97.4	97.4	7.6	7.6	9.2	9.2	12	12	-	-	-	-	817166	807791	-	-	-	-	
SR5A	Fine	Calm	12:32	3.4	Surface	1.0	0.1	274	18.0	18.0	8.1	8.1	31.9	31.9	99.8	99.8	7.8	7.8	4.9	4.8	9	9	-	-	816612	810671	-	-	-	-			
						1.0	0.1	296	18.0	18.0	8.1	8.1	31.9	31.9	99.8	99.8	7.8	7.8	4.8	4.8	10	10	-	-	-	-	816612	810671	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.4	0.1	257	18.0	18.0	8.1	8.1	31.9	31.9	99.8	99.8	7.8	7.8	6.1	6.2	8	9	-	-	-	-							

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 December 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	07:29	8.5	Surface	1.0	0.3	203	17.7	17.7	8.1	8.1	30.8	30.8	99.3	99.3	7.9	7.9	3.5	3.5	6	7	71	71	815607	804262	<0.2		1.2	1.5				
						1.0	0.4	217	17.7	8.1	8.1	30.9	30.8	99.2	99.3	7.9	7.9	3.5	3.5	7	7	72	72											
						4.3	0.3	211	17.8	8.1	8.1	31.0	31.0	98.9	98.9	7.8	7.8	3.8	3.8	8	8	73	73											
					4.3	0.3	215	17.8	8.1	8.1	31.0	31.0	98.9	98.9	7.8	7.8	3.9	3.9	7	7	73	73												
					7.5	0.2	216	17.9	8.1	8.1	31.3	31.3	99.3	99.3	7.8	7.8	4.5	4.5	7	7	75	75												
					7.5	0.3	219	17.9	8.1	8.1	31.3	31.3	99.3	99.3	7.8	7.8	4.5	4.5	7	7	75	75												
C2	Cloudy	Moderate	09:08	11.3	Surface	1.0	0.7	161	18.1	18.1	8.1	8.1	27.9	27.9	96.6	96.6	7.7	7.7	3.7	3.7	5	6	71	71	825704	806936	<0.2		2.6	2.6				
						1.0	0.7	167	18.1	8.1	8.1	27.9	27.9	96.5	96.6	7.7	7.7	3.7	3.7	7	7	72	72											
						5.7	0.4	165	18.3	8.1	8.1	29.9	29.9	96.3	96.3	7.6	7.6	2.7	2.7	6	6	73	73											
					5.7	0.5	170	18.3	8.1	8.1	29.9	29.9	96.3	96.3	7.6	7.6	2.7	2.7	6	6	73	73												
					10.3	0.2	151	18.3	8.1	8.1	30.1	30.1	96.8	96.8	7.6	7.6	2.9	2.9	10	10	75	75												
					10.3	0.2	161	18.3	8.1	8.1	30.1	30.1	96.8	96.8	7.6	7.6	2.9	2.9	11	11	75	75												
C3	Cloudy	Moderate	06:56	11.8	Surface	1.0	0.2	95	18.2	18.1	8.1	8.1	30.0	30.0	96.5	96.5	7.6	7.6	0.7	0.7	4	4	72	72	822105	817813	<0.2		1.1	1.0				
						1.0	0.2	98	18.1	8.1	8.1	30.0	30.0	96.5	96.5	7.6	7.6	0.8	0.8	3	3	71	71											
						5.9	0.2	77	18.1	8.1	8.1	29.9	29.9	95.8	95.8	7.6	7.6	1.3	1.3	4	4	73	73											
					5.9	0.2	77	18.1	8.1	8.1	29.9	29.9	95.8	95.8	7.6	7.6	1.3	1.3	3	3	74	74												
					10.8	0.2	66	18.2	8.1	8.1	30.0	29.9	96.2	96.2	7.6	7.6	2.0	2.0	4	4	75	75												
					10.8	0.2	67	18.2	8.1	8.1	29.9	29.9	96.2	96.2	7.6	7.6	2.0	2.0	4	4	76	76												
IM1	Fine	Moderate	07:47	7.3	Surface	1.0	0.2	201	17.8	17.8	8.1	8.1	31.5	31.5	98.8	98.8	7.8	7.8	4.0	4.0	6	6	71	71	818364	806462	<0.2		1.7	1.7				
						1.0	0.2	204	17.8	8.1	8.1	31.5	31.5	98.8	98.8	7.8	7.8	4.1	4.1	6	6	72	72											
						3.7	0.2	183	17.8	8.1	8.1	31.5	31.5	98.7	98.7	7.8	7.8	4.2	4.2	6	6	73	73											
					3.7	0.2	184	17.8	8.1	8.1	31.6	31.5	98.7	98.7	7.8	7.8	4.4	4.4	6	6	73	73												
					6.3	0.1	180	17.8	8.1	8.1	31.6	31.6	99.1	99.2	7.8	7.8	4.9	4.9	5	5	75	75												
					6.3	0.2	196	17.8	8.1	8.1	31.6	31.6	99.2	99.2	7.8	7.8	4.9	4.9	6	6	75	75												
IM2	Fine	Moderate	07:53	6.8	Surface	1.0	0.2	186	17.7	17.7	8.1	8.1	31.6	31.6	98.9	98.9	7.8	7.8	3.9	3.9	4	4	72	72	818866	806208	<0.2		1.8	1.8				
						1.0	0.2	192	17.7	8.1	8.1	31.6	31.6	98.9	98.9	7.8	7.8	3.9	3.9	4	4	72	72											
						3.4	0.2	187	17.7	8.1	8.1	31.6	31.6	98.9	98.9	7.8	7.8	3.9	3.9	4	4	73	73											
					3.4	0.2	194	17.7	8.1	8.1	31.6	31.6	98.9	98.9	7.8	7.8	4.0	4.0	4	4	74	74												
					5.8	0.2	190	17.7	8.1	8.1	31.6	31.6	99.2	99.2	7.8	7.8	4.5	4.5	6	6	75	75												
					5.8	0.2	200	17.7	8.1	8.1	31.6	31.6	99.2	99.2	7.8	7.8	4.7	4.7	6	6	75	75												
IM3	Fine	Moderate	07:59	7.2	Surface	1.0	0.2	177	17.7	17.7	8.1	8.1	31.6	31.6	98.7	98.7	7.8	7.8	5.2	5.2	9	9	71	71	819400	805997	<0.2		1.8	1.8				
						1.0	0.2	194	17.7	8.1	8.1	31.6	31.6	98.7	98.7	7.8	7.8	5.3	5.3	7	7	72	72											
						3.6	0.3	175	17.7	8.1	8.1	31.6	31.6	98.7	98.7	7.8	7.8	5.2	5.2	8	8	73	73											
					3.6	0.3	189	17.7	8.1	8.1	31.6	31.6	98.7	98.7	7.8	7.8	5.2	5.2	9	9	73	73												
					6.2	0.3	201	17.7	8.1	8.1	31.6	31.6	98.8	98.9	7.8	7.8	5.4	5.4	10	10	75	75												
					6.2	0.3	219	17.7	8.1	8.1	31.6	31.6	98.9	98.9	7.8	7.8	5.5	5.5	9	9	75	75												
IM4	Fine	Moderate	08:05	7.3	Surface	1.0	0.4	186	17.7	17.7	8.1	8.1	31.6	31.6	98.7	98.8	7.8	7.8	4.7	4.7	6	6	71	71	819595	805065	<0.2		1.8	1.7				
						1.0	0.4	193	17.7	8.1	8.1	31.7	31.6	98.8	98.8	7.8	7.8	4.7	4.7	6	6	71	71											
						3.7	0.3	171	17.7	8.1	8.1	31.6	31.6	98.7	98.8	7.8	7.8	4.9	4.9	7	7	73	73											
					3.7	0.3	180	17.7	8.1	8.1	31.7	31.6	98.8	98.8	7.8	7.8	4.9	4.9	5	5	73	73												
					6.3	0.2	165	17.7	8.1	8.1	31.6	31.6	98.8	98.9	7.8	7.8	5.5	5.5	10	10	75	75												
					6.3	0.2	172	17.7	8.1	8.1	31.6	31.6	98.9	98.9	7.8	7.8	5.6	5.6	10	10	75	75												
IM5	Fine	Moderate	08:12	7.0	Surface	1.0	0.4	191	17.7	17.7	8.1	8.1	31.4	31.4	98.7	98.7	7.8	7.8	6.6	6.6	8	8	71	71	820547	804951	<0.2		1.7	1.7				
						1.0	0.4	201	17.7	8.1	8.1	31.4	31.4	98.7	98.7	7.8	7.8	6.8	6.8	8	8	72	72											
						3.5	0.4	187	17.7	8.1	8.1	31.4	31.4	98.5	98.5	7.8	7.8	7.5	7.5	9	9	74	74											
					3.5	0.4	190	17.7	8.1	8.1	31.4	31.4	98.5	98.5	7.8	7.8	7.5	7.5	10	10	74	74												
					6.0	0.2	177	17.7	8.1	8.1	31.6	31.6	98.5	98.5	7.8	7.8	9.8	9.8	9	9	75	75												
					6.0	0.2	190	17.7	8.1	8.1	31.6	31.6	98.6	98.6	7.8	7.8	10.9	10.9	9	9	76	76												
IM6	Fine	Moderate	08:20	7.4	Surface	1.0	0.5	244	17.7	17.7	8.1	8.1	30.9	30.9	98.8	98.8	7.8	7.8	4.7	4.7	6	6	73	73	821059	805803	<0.2		1.9	1.8				
						1.0	0.5	251	17.7	8.1	8.1	30.9	30.9	98.8	98.8	7.8	7.8	4.9	4.9	7	7	73	73											
						3.7	0.3	234	17.7	8.1	8.1	31.3	31.3	98.6	98.7	7.8	7.8	7.6	7.6	6	6	75	75											
					3.7	0.3	256	17.7	8.1	8.1	31.3	31.3	98.7	98.7	7.8	7.8	6.9	6.9	7	7	75	75												
					6.4	0.3	226	17.7	8.1	8.1	31.6	31.6	99.1	99.1	7.8	7.8	7.3	7.3	6	6	76	76												
					6.4	0.3	228	17.7	8.1	8.1	31.5	31.5	99.1	99.1	7.8	7.8	7.3	7.3	7	7	76	76												
IM7	Fine	Moderate	08:27	7.8	Surface	1.0	0.4	234	17.8	17.8	8.1	8.1	30.7	30.7	98.3	98.3	7.8	7.8	3.4	3.4	6	6	71	71	821334	806851	<0.2		1.8	1.7				
						1.0	0.4	244	17.8	8.1	8.1	30.7	30.7	98.3	98.3	7.8	7.8	3.5	3.5	4	4	72	72											
						3.9	0.3	239	17.8	8.1	8.1	30.9	30.9	98.4	98.4	7.8	7.8	4.1	4.1	5	5	73	73											
					3.9	0.3	257	17.8	8.1	8.1	30.9	30.9	98.4	98.4	7.8	7.8	4.3	4.3	5	5	73	73												
					6.8	0.3	250	17.8	8.1	8.1	31.5	31.5	98.8	98.9	7.8	7.8	5.4	5.4	7	7	75	75												
					6.8	0.3	266	17.8	8.1	8.1	31.5</																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 December 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	Value
IM9	Cloudy	Moderate	08:32	7.0	Surface	1.0	0.3	125	18.1	18.1	8.1	8.1	29.5	29.5	98.6	98.6	7.8	7.8	2.8	6	72	72	74	822076	808820	<0.2	<0.2	1.6	1.5			
						1.0	0.3	137	18.1	18.1	8.1	8.1	29.5	29.5	98.6	98.6	7.8	7.8	2.8	6	72	72	74	822076	808820	<0.2	<0.2	1.7	1.5			
					Middle	3.5	0.3	132	18.1	18.1	8.1	8.1	29.5	29.5	98.6	98.6	7.8	7.8	4.5	4	74	74	74	822076	808820	<0.2	<0.2	1.4	1.4			
						3.5	0.3	136	18.1	18.1	8.1	8.1	29.5	29.5	98.6	98.6	7.8	7.8	4.5	4	74	74	74	822076	808820	<0.2	<0.2	1.6	1.4			
					Bottom	6.0	0.2	110	18.0	18.0	8.2	8.2	29.9	29.9	98.3	98.3	7.8	7.8	5.6	8	76	76	76	822076	808820	<0.2	<0.2	1.4	1.4			
						6.0	0.2	113	18.0	18.0	8.2	8.2	29.9	29.9	98.3	98.3	7.8	7.8	5.6	6	76	76	76	822076	808820	<0.2	<0.2	1.4	1.4			
IM10	Cloudy	Moderate	08:15	6.9	Surface	1.0	0.4	109	18.1	18.1	8.1	8.1	29.6	29.6	97.7	97.7	7.7	7.7	3.1	4	72	72	74	822239	809829	<0.2	<0.2	1.5	1.4			
						1.0	0.4	114	18.1	18.1	8.1	8.1	29.6	29.6	97.7	97.7	7.7	7.7	3.1	6	72	72	74	822239	809829	<0.2	<0.2	1.5	1.4			
					Middle	3.5	0.3	113	18.1	18.1	8.1	8.1	29.8	29.8	97.3	97.3	7.7	7.7	3.6	5	74	74	74	822239	809829	<0.2	<0.2	1.4	1.4			
						3.5	0.4	122	18.1	18.1	8.1	8.1	29.8	29.8	97.3	97.3	7.7	7.7	3.6	6	74	74	74	822239	809829	<0.2	<0.2	1.4	1.4			
					Bottom	5.9	0.3	103	18.1	18.1	8.1	8.1	29.8	29.8	97.6	97.6	7.7	7.7	3.8	9	76	76	76	822239	809829	<0.2	<0.2	1.3	1.3			
						5.9	0.3	105	18.1	18.1	8.1	8.1	29.8	29.8	97.6	97.6	7.7	7.7	3.8	10	76	76	76	822239	809829	<0.2	<0.2	1.3	1.3			
IM11	Cloudy	Moderate	08:04	8.0	Surface	1.0	0.3	111	18.1	18.1	8.2	8.2	29.6	29.6	99.0	99.0	7.8	7.8	3.2	5	72	72	74	821492	810573	<0.2	<0.2	1.6	1.5			
						1.0	0.3	116	18.1	18.1	8.2	8.2	29.6	29.6	99.0	99.0	7.8	7.8	3.2	5	72	72	74	821492	810573	<0.2	<0.2	1.6	1.5			
					Middle	4.0	0.3	101	18.1	18.1	8.2	8.2	29.7	29.7	98.8	98.8	7.8	7.8	3.6	5	74	74	74	821492	810573	<0.2	<0.2	1.6	1.5			
						4.0	0.3	107	18.1	18.1	8.2	8.2	29.7	29.7	98.8	98.8	7.8	7.8	3.4	4	74	74	74	821492	810573	<0.2	<0.2	1.5	1.5			
					Bottom	7.0	0.2	101	18.1	18.1	8.2	8.2	29.8	29.8	98.6	98.6	7.8	7.8	3.4	4	75	75	75	821492	810573	<0.2	<0.2	1.4	1.4			
						7.0	0.2	104	18.1	18.1	8.2	8.2	29.8	29.8	98.6	98.6	7.8	7.8	3.4	5	76	76	76	821492	810573	<0.2	<0.2	1.4	1.4			
IM12	Cloudy	Moderate	07:55	8.5	Surface	1.0	0.3	102	18.0	18.0	8.2	8.2	29.7	29.7	98.6	98.6	7.8	7.8	4.7	8	71	71	74	821133	811533	<0.2	<0.2	1.4	1.4			
						1.0	0.4	106	18.0	18.0	8.2	8.2	29.7	29.7	98.6	98.6	7.8	7.8	4.7	7	72	72	74	821133	811533	<0.2	<0.2	1.4	1.4			
					Middle	4.3	0.3	115	18.1	18.1	8.2	8.2	29.8	29.8	98.1	98.1	7.8	7.8	3.9	8	73	73	74	821133	811533	<0.2	<0.2	1.4	1.4			
						4.3	0.3	115	18.1	18.1	8.2	8.2	29.8	29.8	98.1	98.1	7.8	7.8	3.7	7	74	74	74	821133	811533	<0.2	<0.2	1.4	1.4			
					Bottom	7.5	0.2	103	18.1	18.1	8.2	8.2	30.0	30.0	98.0	98.0	7.7	7.7	4.2	7	76	76	76	821133	811533	<0.2	<0.2	1.2	1.2			
						7.5	0.3	107	18.1	18.1	8.2	8.2	30.0	30.0	98.0	98.0	7.7	7.7	4.1	8	76	76	76	821133	811533	<0.2	<0.2	1.3	1.3			
SR2	Cloudy	Moderate	07:27	3.5	Surface	1.0	0.2	107	18.1	18.1	8.1	8.1	29.0	29.0	97.8	97.8	7.8	7.8	1.4	6	72	72	73	821433	814177	<0.2	<0.2	2.0	2.0			
						1.0	0.2	107	18.1	18.1	8.1	8.1	29.0	29.0	97.8	97.8	7.8	7.8	1.4	4	72	72	73	821433	814177	<0.2	<0.2	2.0	2.0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	821433	814177	<0.2	<0.2	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73	821433	814177	<0.2	<0.2	-
					Bottom	2.5	0.2	103	18.1	18.1	8.1	8.1	29.6	29.6	97.8	97.8	7.7	7.7	2.5	6	74	74	74	821433	814177	<0.2	<0.2	1.3	1.2			
						2.5	0.2	107	18.1	18.1	8.1	8.1	30.0	29.8	97.8	97.8	7.7	7.7	2.7	5	74	74	74	821433	814177	<0.2	<0.2	1.3	1.2			
SR3	Cloudy	Moderate	08:45	8.7	Surface	1.0	0.3	180	18.2	18.2	8.1	8.1	29.3	29.3	98.8	98.8	7.8	7.8	2.1	3	-	-	-	822145	807546	-	-	-	-			
						1.0	0.3	187	18.2	18.2	8.1	8.1	29.3	29.3	98.7	98.7	7.8	7.8	2.0	4	-	-	-	822145	807546	-	-	-	-			
					Middle	4.4	0.2	185	18.1	18.1	8.1	8.1	29.7	29.7	98.3	98.3	7.8	7.8	3.0	4	-	-	-	822145	807546	-	-	-	-			
						4.4	0.2	191	18.1	18.1	8.1	8.1	29.7	29.7	98.3	98.3	7.8	7.8	3.1	5	-	-	-	822145	807546	-	-	-	-			
					Bottom	7.7	0.1	196	18.0	18.0	8.2	8.2	30.1	30.1	98.3	98.3	7.8	7.8	5.8	4	-	-	-	822145	807546	-	-	-	-			
						7.7	0.1	197	18.0	18.0	8.2	8.2	30.1	30.1	98.3	98.3	7.8	7.8	5.8	4	-	-	-	822145	807546	-	-	-	-			
SR4A	Fine	Calm	07:10	8.3	Surface	1.0	0.3	75	17.7	17.7	8.1	8.1	31.3	31.3	98.7	98.7	7.8	7.8	4.2	5	-	-	-	817177	807790	-	-	-	-			
						1.0	0.3	78	17.7	17.7	8.1	8.1	31.3	31.3	98.7	98.7	7.8	7.8	4.3	4	-	-	-	817177	807790	-	-	-	-			
					Middle	4.2	0.3	72	17.8	17.8	8.1	8.1	31.4	31.4	98.9	99.0	7.8	7.8	5.0	4	-	-	-	817177	807790	-	-	-	-			
						4.2	0.3	75	17.8	17.8	8.1	8.1	31.4	31.4	99.0	99.0	7.8	7.8	5.2	4	-	-	-	817177	807790	-	-	-	-			
					Bottom	7.3	0.2	71	17.8	17.8	8.1	8.1	31.5	31.5	100.6	100.8	7.9	7.9	4.6	8	-	-	-	817177	807790	-	-	-	-			
						7.3	0.3	73	17.8	17.8	8.1	8.1	31.5	31.5	100.9	100.9	7.9	7.9	4.6	8	-	-	-	817177	807790	-	-	-	-			
SR5A	Fine	Calm	06:54	4.2	Surface	1.0	0.1	25	18.0	18.0	8.1	8.1	31.1	31.1	100.2	100.3	7.9	7.9	7.1	9	-	-	-	816597	810715	-	-	-	-			
						1.0	0.1	26	18.0	18.0	8.1	8.1	31.1	31.1	100.3	100.3	7.9	7.9	7.6	9	-	-	-	816597	810715	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816597	810715	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816597	810715	-	-	-	-	
					Bottom	3.2	0.0	349	18.0	18.0	8.1	8.1	31.1	31.1	100.2	100.3	7.9	7.9	7.6	8	-	-	-	816597	810715	-	-	-	-			
						3.2	0.0	321	18.0	18.0	8.1	8.1	31.1	31.1	100.3	100.3	7.9	7.9	7.7	7	-	-	-	816597	810715	-	-	-	-			
SR6	Fine	Moderate	06:29	3.7	Surface	1.0	0.1	90	17.8	17.8	8.0	8.0	30.7	30.7																		

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

Water Quality Monitoring Results on 28 December 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	Value	DA
C1	Cloudy	Calm	14:12	8.3	Surface	1.0	0.3	66	17.9	17.9	8.1	8.1	31.5	31.5	99.6	7.8	7.8	6.3	6	71	6	71	<0.2	1.3	815620	804220	<0.2	1.3	1.5	
						1.0	0.3	71	17.9	8.1	8.1	31.5	31.5	99.6	7.8	7.8	6.3	5	72	<0.2	1.4									
					Middle	4.2	0.3	57	17.9	17.9	8.1	8.1	31.5	31.5	99.2	7.8	7.8	7.0	4	73	4	73	<0.2	1.5			<0.2	1.5		
						4.2	0.3	57	17.9	17.9	8.1	8.1	31.5	31.5	99.2	7.8	7.8	7.1	6	73	6	73	<0.2	1.6			<0.2	1.6		
					Bottom	7.3	0.3	50	17.9	17.9	8.1	8.1	31.6	31.6	99.1	7.8	7.8	8.4	6	75	6	75	<0.2	1.6			<0.2	1.6		
						7.3	0.3	53	17.9	17.9	8.1	8.1	31.6	31.6	99.2	7.8	7.8	7.7	7	75	7	75	<0.2	1.5			<0.2	1.5		
C2	Cloudy	Moderate	13:04	10.8	Surface	1.0	0.2	183	18.3	18.3	8.1	8.1	26.3	26.3	98.2	7.9	7.9	2.2	3	71	3	71	<0.2	3.9	825676	806947	<0.2	3.9	2.7	
						1.0	0.3	186	18.3	18.3	8.1	8.1	26.3	26.3	98.1	7.9	7.9	2.1	4	71	4	71	<0.2	3.8						
					Middle	5.4	0.1	210	18.2	18.2	8.1	8.1	27.5	27.5	97.0	7.8	7.8	2.5	4	73	4	73	<0.2	2.3			<0.2	2.4		
						5.4	0.1	210	18.2	18.2	8.1	8.1	27.5	27.5	96.9	7.8	7.8	2.5	4	73	4	73	<0.2	2.4			<0.2	2.4		
					Bottom	9.8	0.2	344	18.3	18.3	8.1	8.1	28.1	28.1	96.5	7.7	7.7	4.3	6	75	6	75	<0.2	1.8			<0.2	1.8		
						9.8	0.2	316	18.3	18.3	8.1	8.1	28.1	28.1	96.5	7.7	7.7	4.3	5	75	5	75	<0.2	1.7			<0.2	1.7		
C3	Cloudy	Moderate	14:57	12.1	Surface	1.0	0.4	279	18.3	18.3	8.1	8.1	30.4	30.4	97.3	7.6	7.6	1.3	4	71	4	71	<0.2	1.0	822103	817796	<0.2	1.0	0.9	
						1.0	0.4	287	18.3	18.3	8.1	8.1	30.4	30.4	97.3	7.6	7.6	1.4	3	71	3	71	<0.2	0.9						
					Middle	6.1	0.3	274	18.2	18.2	8.1	8.1	30.4	30.4	96.4	7.6	7.6	2.1	3	73	3	73	<0.2	0.7			<0.2	0.7		
						6.1	0.4	280	18.2	18.2	8.1	8.1	30.4	30.4	96.4	7.6	7.6	2.0	3	73	3	73	<0.2	0.9			<0.2	0.9		
					Bottom	11.1	0.3	278	18.2	18.2	8.1	8.1	30.4	30.4	96.8	7.6	7.6	2.2	5	75	5	75	<0.2	0.9			<0.2	0.9		
						11.1	0.3	299	18.2	18.2	8.1	8.1	30.4	30.4	96.9	7.6	7.6	2.2	6	75	6	75	<0.2	0.9			<0.2	0.9		
IM1	Cloudy	Calm	13:54	7.0	Surface	1.0	0.2	22	18.0	18.0	8.2	8.2	31.1	31.1	100.3	7.9	7.9	4.4	6	71	6	71	<0.2	1.7	818346	806485	<0.2	1.7	1.7	
						1.0	0.2	23	18.0	18.0	8.2	8.2	31.1	31.1	100.2	7.9	7.9	4.3	6	71	6	71	<0.2	1.7						
					Middle	3.5	0.3	16	17.8	17.8	8.1	8.1	31.5	31.5	99.5	7.8	7.8	4.7	5	73	5	73	<0.2	1.7			<0.2	1.7		
						3.5	0.3	16	17.8	17.8	8.1	8.1	31.5	31.5	99.4	7.8	7.8	4.8	7	73	7	73	<0.2	1.8			<0.2	1.8		
					Bottom	6.0	0.3	17	17.8	17.8	8.1	8.1	31.6	31.6	99.4	7.8	7.8	5.7	6	75	6	75	<0.2	1.8			<0.2	1.8		
						6.0	0.3	17	17.8	17.8	8.1	8.1	31.6	31.6	99.4	7.8	7.8	5.7	8	76	8	76	<0.2	1.7			<0.2	1.7		
IM2	Cloudy	Calm	13:47	7.9	Surface	1.0	0.1	12	18.1	18.0	8.2	8.2	30.8	30.8	100.2	7.9	7.9	5.3	8	71	8	71	<0.2	1.8	818832	806193	<0.2	1.8	1.8	
						1.0	0.1	13	18.0	18.0	8.2	8.2	30.8	30.8	100.1	7.9	7.9	5.4	8	71	8	71	<0.2	1.8						
					Middle	4.0	0.2	40	17.8	17.8	8.2	8.2	31.3	31.3	99.0	7.8	7.8	6.1	9	73	9	73	<0.2	1.8			<0.2	1.8		
						4.0	0.2	41	17.8	17.8	8.2	8.2	31.3	31.3	99.0	7.8	7.8	6.1	8	73	8	73	<0.2	1.8			<0.2	1.8		
					Bottom	6.9	0.2	35	17.8	17.8	8.2	8.2	31.4	31.4	99.1	7.8	7.8	7.0	9	75	9	75	<0.2	1.8			<0.2	1.8		
						6.9	0.2	35	17.8	17.8	8.2	8.2	31.4	31.4	99.2	7.8	7.8	6.7	9	75	9	75	<0.2	1.7			<0.2	1.7		
IM3	Cloudy	Calm	13:40	8.1	Surface	1.0	0.0	305	18.1	18.1	8.1	8.1	30.3	30.3	100.2	7.9	7.9	4.3	6	72	6	72	<0.2	1.6	819427	806038	<0.2	1.6	1.7	
						1.0	0.0	305	18.1	18.1	8.1	8.1	30.3	30.3	100.0	7.9	7.9	4.2	5	72	5	72	<0.2	1.6						
					Middle	4.1	0.2	312	17.9	17.9	8.2	8.2	31.3	31.3	99.1	7.8	7.8	5.6	6	73	6	73	<0.2	1.8			<0.2	1.8		
						4.1	0.2	318	17.9	17.9	8.2	8.2	31.3	31.3	99.1	7.8	7.8	5.4	5	73	5	73	<0.2	1.7			<0.2	1.7		
					Bottom	7.1	0.1	315	18.0	18.0	8.2	8.2	31.4	31.4	99.4	7.8	7.8	5.0	7	75	7	75	<0.2	1.8			<0.2	1.8		
						7.1	0.1	320	18.0	18.0	8.2	8.2	31.4	31.4	99.5	7.8	7.8	5.0	6	76	6	76	<0.2	1.8			<0.2	1.8		
IM4	Cloudy	Calm	13:33	7.2	Surface	1.0	0.3	297	18.1	18.1	8.1	8.1	30.6	30.6	99.9	7.9	7.9	3.8	5	71	5	71	<0.2	1.6	819552	805028	<0.2	1.6	1.8	
						1.0	0.3	320	18.1	18.1	8.1	8.1	30.6	30.6	99.8	7.9	7.9	4.0	4	71	4	71	<0.2	1.7						
					Middle	3.6	0.2	322	17.8	17.8	8.1	8.1	31.4	31.4	98.7	7.8	7.8	6.2	4	73	4	73	<0.2	2.0			<0.2	2.0		
						3.6	0.2	348	17.8	17.8	8.1	8.1	31.4	31.4	98.7	7.8	7.8	6.5	6	73	6	73	<0.2	1.9			<0.2	1.9		
					Bottom	6.2	0.2	347	17.8	17.8	8.1	8.1	31.4	31.4	98.7	7.8	7.8	8.0	9	75	9	75	<0.2	1.9			<0.2	1.9		
						6.2	0.3	319	17.8	17.8	8.1	8.1	31.4	31.4	98.8	7.8	7.8	8.3	11	75	11	75	<0.2	1.8			<0.2	1.8		
IM5	Cloudy	Calm	13:21	6.4	Surface	1.0	0.1	323	18.1	18.1	8.1	8.1	30.4	30.4	100.2	7.9	7.9	4.4	4	73	4	73	<0.2	1.8	820590	804935	<0.2	1.8	1.9	
						1.0	0.2	326	18.1	18.1	8.1	8.1	30.4	30.4	100.2	7.9	7.9	4.4	6	74	6	74	<0.2	1.9						
					Middle	3.2	0.2	345	18.0	18.0	8.1	8.1	30.6	30.6	99.7	7.9	7.9	5.4	5	75	5	75	<0.2	1.9			<0.2	1.9		
						3.2	0.2	317	18.0	18.0	8.1	8.1	30.6	30.6	99.6	7.9	7.9	5.4	6	75	6	75	<0.2	1.8			<0.2	1.8		
					Bottom	5.4	0.2	351	18.0	18.0	8.1	8.1	30.8	30.8	99.6	7.9	7.9	6.0	5	76	5	76	<0.2	1.9			<0.2	1.9		
						5.4	0.2	323	18.0	18.0	8.1	8.1	30.8	30.8	99.7	7.9	7.9	6.0	5	76	5	76	<0.2	2.1			<0.2	2.1		
IM6	Cloudy	Moderate	13:14	6.5	Surface	1.0	0.3	304	18.0	18.0	8.1	8.1	29.6	29.6	99.2	7.9	7.9	3.8	5	73	5	73	<0.2	2.6	821041	805842	<0.2	2.6	2.7	
						1.0	0.3	330	18.0	18.0	8.1	8.1	29.6	29.6	99.2	7.9	7.9	3.8	6	73	6	73	<0.2	2.6						
					Middle	3.3	0.3	321	18.0	18.0	8.1	8.1	29.8	29.8	98.9	7.8	7.8	4.5	7	75	7	75	<0.2	2.7			<0.2	2.7		
						3.3	0.3	343	18.0	18.0	8.1	8.1	29.8	29.8	98.9	7.8	7.8	4.6	8	75	8	75	<0.2	2.6			<0.2	2.6		
					Bottom	5.5	0.2	339	18.0	18.0	8.1	8.1	30.0	30.0	99.0	7.8	7.8	4.4	7	76	7	76	<0.2	2.5			<0.2	2.5		
						5.5	0.2	312	18.0	18.0	8.1	8.1	30.0	30.0																

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 December 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	Cloudy	Moderate	13:39	7.0	Surface	1.0	0.2	252	18.5	18.5	8.1	8.1	28.1	28.1	102.2	102.2	8.1	8.1	1.3	1.3	5	72	74	822083	808829	<0.2	<0.2	3.0	3.0							
						1.0	0.2	257	18.5	8.1	8.1	28.1	28.1	102.2	102.2	8.1	8.1	1.2	1.2	3	71	74	822083	808829	<0.2	<0.2	2.5	2.5								
						3.5	0.2	280	18.6	8.1	8.1	28.6	28.6	101.8	101.8	8.0	8.0	1.6	1.6	4	74	73	822083	808829	<0.2	<0.2	2.6	2.6								
					3.5	0.3	307	18.6	8.1	8.1	28.7	28.7	101.7	101.7	8.0	8.0	1.6	1.6	4	73	75	822083	808829	<0.2	<0.2	2.5	2.5									
					6.0	0.2	297	18.4	8.1	8.1	28.8	28.8	100.8	100.8	8.0	8.0	2.9	2.9	4	76	75	822083	808829	<0.2	<0.2	1.7	1.7									
					6.0	0.3	316	18.4	8.1	8.1	28.8	28.8	100.8	100.8	8.0	8.0	2.6	2.6	5	75	75	822083	808829	<0.2	<0.2	2.4	2.4									
IM10	Cloudy	Moderate	13:47	6.8	Surface	1.0	0.3	301	18.5	18.5	8.1	8.1	29.2	29.2	101.8	101.8	8.0	8.0	1.1	1.1	4	72	73	822239	809824	<0.2	<0.2	1.6	1.6							
						1.0	0.3	305	18.5	8.1	8.1	29.2	29.2	101.7	101.7	8.0	8.0	1.2	1.2	4	71	74	822239	809824	<0.2	<0.2	1.7	1.7								
						3.4	0.3	305	18.5	8.1	8.1	29.3	29.3	100.8	100.8	7.9	7.9	1.8	1.8	6	74	73	822239	809824	<0.2	<0.2	1.8	1.8								
					3.4	0.3	309	18.5	8.1	8.1	29.3	29.3	100.9	100.9	7.9	7.9	1.9	1.9	6	73	75	822239	809824	<0.2	<0.2	1.8	1.8									
					5.8	0.3	308	18.2	8.2	8.2	29.5	29.5	99.9	99.9	7.9	7.9	4.0	4.0	6	75	75	822239	809824	<0.2	<0.2	1.7	1.7									
					5.8	0.3	320	18.2	8.2	8.2	29.5	29.5	99.9	99.9	7.9	7.9	4.0	4.0	5	75	75	822239	809824	<0.2	<0.2	1.7	1.7									
IM11	Cloudy	Moderate	13:58	7.9	Surface	1.0	0.4	292	18.5	18.5	8.1	8.1	29.3	29.3	101.4	101.4	8.0	8.0	2.7	2.7	5	72	74	821529	810539	<0.2	<0.2	1.6	1.6							
						1.0	0.4	303	18.5	8.1	8.1	29.3	29.3	101.3	101.3	8.0	8.0	2.8	2.8	5	71	73	821529	810539	<0.2	<0.2	1.7	1.7								
						4.0	0.3	298	18.2	8.2	8.2	29.6	29.6	100.3	100.3	7.9	7.9	4.2	4.2	5	73	74	821529	810539	<0.2	<0.2	1.6	1.6								
					4.0	0.3	299	18.2	8.2	8.2	29.6	29.6	100.4	100.4	7.9	7.9	4.2	4.2	4	74	75	821529	810539	<0.2	<0.2	1.6	1.6									
					6.9	0.2	297	18.2	8.2	8.2	29.7	29.7	100.0	100.0	7.9	7.9	6.7	6.7	7	75	75	821529	810539	<0.2	<0.2	1.3	1.3									
					6.9	0.2	324	18.2	8.2	8.2	29.7	29.7	100.0	100.0	7.9	7.9	6.6	6.6	7	76	76	821529	810539	<0.2	<0.2	1.2	1.2									
IM12	Cloudy	Moderate	14:06	8.7	Surface	1.0	0.4	285	18.5	18.5	8.1	8.1	29.5	29.5	100.7	100.8	7.9	7.9	2.8	2.8	4	71	73	821149	811524	<0.2	<0.2	1.7	1.7							
						1.0	0.4	306	18.5	8.1	8.1	29.5	29.5	100.8	100.8	7.9	7.9	2.9	2.9	4	71	73	821149	811524	<0.2	<0.2	1.6	1.6								
						4.4	0.4	287	18.1	8.2	8.2	29.9	29.9	99.4	99.4	7.8	7.8	8.2	8.2	6	73	73	821149	811524	<0.2	<0.2	1.0	1.0								
					4.4	0.4	292	18.1	8.2	8.2	29.9	29.9	99.3	99.3	7.8	7.8	8.3	8.3	6	73	75	821149	811524	<0.2	<0.2	1.1	1.1									
					7.7	0.3	279	18.1	8.2	8.2	29.9	29.9	99.3	99.3	7.8	7.8	11.1	11.1	20	75	75	821149	811524	<0.2	<0.2	1.1	1.1									
					7.7	0.3	291	18.1	8.2	8.2	29.9	29.9	99.3	99.3	7.8	7.8	11.2	11.2	18	75	75	821149	811524	<0.2	<0.2	1.1	1.1									
SR2	Cloudy	Moderate	14:34	4.4	Surface	1.0	0.2	336	18.3	18.3	8.2	8.2	29.4	29.4	100.4	100.4	7.9	7.9	2.9	2.9	8	71	72	821444	814193	<0.2	<0.2	1.2	1.2							
						1.0	0.2	309	18.3	8.2	8.2	29.4	29.4	100.4	100.4	7.9	7.9	3.0	3.0	6	72	73	821444	814193	<0.2	<0.2	1.1	1.1								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	821444	814193	<0.2	<0.2	1.1	1.1				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	821444	814193	<0.2	<0.2	1.1	1.1				
					3.4	0.1	354	18.3	8.2	8.2	29.3	29.3	100.2	100.2	7.9	7.9	2.1	2.1	7	73	73	821444	814193	<0.2	<0.2	1.1	1.1									
					3.4	0.1	326	18.3	8.2	8.2	29.3	29.3	100.2	100.2	7.9	7.9	1.9	1.9	7	73	73	821444	814193	<0.2	<0.2	1.1	1.1									
SR3	Cloudy	Moderate	13:25	8.3	Surface	1.0	0.2	195	18.3	18.3	8.1	8.1	27.0	27.0	99.8	99.8	8.0	8.0	2.5	2.5	7	-	-	822174	807556	-	-	-	-							
						1.0	0.2	201	18.3	8.1	8.1	27.0	27.0	99.8	99.8	8.0	8.0	2.5	2.5	5	-	-	822174	807556	-	-	-	-								
						4.2	0.2	225	18.3	8.1	8.1	28.4	28.4	98.9	98.9	7.9	7.9	3.7	3.7	6	-	-	822174	807556	-	-	-	-								
					4.2	0.2	237	18.3	8.1	8.1	28.4	28.4	98.9	98.9	7.9	7.9	3.7	3.7	5	-	-	822174	807556	-	-	-	-									
					7.3	0.1	254	18.3	8.1	8.1	28.5	28.5	98.7	98.7	7.8	7.8	4.1	4.1	8	-	-	822174	807556	-	-	-	-									
					7.3	0.1	257	18.3	8.1	8.1	28.5	28.5	98.7	98.7	7.8	7.8	4.2	4.2	8	-	-	822174	807556	-	-	-	-									
SR4A	Cloudy	Calm	14:31	8.5	Surface	1.0	0.1	226	18.2	18.2	8.1	8.1	31.5	31.5	100.5	100.5	7.9	7.9	6.3	6.3	8	-	-	817164	807822	-	-	-	-							
						1.0	0.2	236	18.2	8.1	8.1	31.5	31.5	100.5	100.5	7.9	7.9	6.4	6.4	6	-	-	817164	807822	-	-	-	-								
						4.3	0.1	238	18.1	8.1	8.1	31.5	31.5	99.9	99.9	7.8	7.8	6.9	6.9	8	-	-	817164	807822	-	-	-	-								
					4.3	0.1	253	18.1	8.1	8.1	31.5	31.5	99.8	99.8	7.8	7.8	6.8	6.8	9	-	-	817164	807822	-	-	-	-									
					7.5	0.1	210	18.1	8.1	8.1	31.5	31.5	99.8	99.8	7.8	7.8	7.2	7.2	11	-	-	817164	807822	-	-	-	-									
					7.5	0.1	230	18.1	8.1	8.1	31.5	31.5	99.8	99.8	7.8	7.8	7.4	7.4	11	-	-	817164	807822	-	-	-	-									
SR5A	Rainy	Calm	14:48	4.0	Surface	1.0	0.2	289	18.2	18.2	8.1	8.1	31.5	31.5	102.0	101.9	8.0	8.0	5.2	5.2	9	-	-	816612	810667	-	-	-	-							
						1.0	0.2	315	18.2	8.1	8.1	31.5	31.5	101.8	101.8	8.0	8.0	5.2	5.2	8	-	-	816612	810667	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816612	810667	-	-	-	-				
					3.0	0.2	283	18.2	8.1	8.1	31.5	31.5	100.8	100.8	7.9	7.9	5.7	5.7	11	-	-	816612	810667	-	-	-	-									
					3.0	0.2	293	18.2	8.1	8.1	31.5	31.5	100.8	100.8	7.9	7.9	5.8	5.8	13	-	-	816612	810667	-	-	-	-									
					1.0	0.1	225	18.1	8.2	8.2	31.3	31.3	101.5	101.5	8.0	8.0	4.6	4.6	8	-	-	816612	810667	-	-	-	-									
SR6	Rainy	Calm	15:14	4.1	Surface	1.0	0.1	237	18.1	18.1	8.2	8.2	31.3	31.3	101.5	101.5	8.0	8.0	4.6	4.6	8	-	-	817879	814641	-	-	-	-							
						1.0	0.1	237	18.1	8.2	8.2	31.3	31.3	101.5	101.5	8.0	8.0	4.6	4.6	9	-	-	817879	814641	-</											

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

Water Quality Monitoring Results on 30 December 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	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA		
C1	Sunny	Moderate	10:11	8.6	Surface	1.0	0.3	220	18.0	8.1	8.1	31.3	31.3	98.1	98.1	7.7	7.7	8.7	8.7	8	73	75	815633	804248	<0.2	<0.2	0.8	0.8		
						1.0	0.3	229	18.0	8.1	8.1	31.3	31.3	98.1	98.1	7.7	7.7	8.7	8.7	9	73	75			<0.2	<0.2	0.8	0.8		
						4.3	0.2	218	17.9	8.1	8.1	31.3	31.3	97.5	97.5	7.7	7.7	10.5	10.5	10	75	75			<0.2	<0.2	0.7	0.7		
					Middle	4.3	0.2	231	17.9	8.1	8.1	31.3	31.3	97.5	97.5	7.7	7.7	10.5	10.5	9	75	75			<0.2	<0.2	0.9	0.9		
						7.6	0.3	226	17.9	8.1	8.1	31.3	31.3	97.4	97.4	7.7	7.7	11.5	11.5	12	77	77			<0.2	<0.2	0.7	0.7		
						7.6	0.3	239	17.9	8.1	8.1	31.3	31.3	97.4	97.4	7.7	7.7	11.5	11.5	11	77	77			<0.2	<0.2	0.7	0.7		
C2	Fine	Calm	11:13	12.7	Surface	1.0	0.5	165	18.5	8.1	8.1	27.0	27.0	97.6	97.6	7.8	7.8	4.8	4.8	6	73	75	825658	806959	<0.2	<0.2	2.2	2.2		
						1.0	0.6	180	18.5	8.1	8.1	27.0	27.0	97.5	97.6	7.8	7.8	4.7	4.7	5	73	75			<0.2	<0.2	2.0	2.0		
						6.4	0.3	164	18.6	8.1	8.1	28.7	28.7	97.3	97.3	7.7	7.7	4.3	4.3	6	74	75			<0.2	<0.2	2.7	2.7		
					Middle	6.4	0.3	174	18.6	8.1	8.1	28.7	28.7	97.3	97.3	7.7	7.7	4.3	4.3	4	75	75			<0.2	<0.2	1.9	1.9		
						11.7	0.2	160	18.6	8.1	8.1	28.8	28.8	97.0	97.0	7.7	7.7	4.9	4.9	6	76	76			<0.2	<0.2	1.8	1.8		
						11.7	0.2	167	18.6	8.1	8.1	28.8	28.8	97.0	97.0	7.7	7.7	4.9	4.9	8	76	76			<0.2	<0.2	1.5	1.5		
C3	Fine	Calm	09:15	11.4	Surface	1.0	0.3	85	18.5	8.1	8.1	29.3	29.3	93.2	93.2	7.3	7.3	3.4	3.4	5	72	74	822117	817813	<0.2	<0.2	1.1	1.1		
						1.0	0.3	85	18.5	8.1	8.1	29.3	29.3	93.2	93.2	7.3	7.3	3.4	3.4	7	72	75			<0.2	<0.2	1.2	1.2		
						5.7	0.2	92	18.6	8.0	8.0	29.7	29.7	92.9	92.9	7.3	7.3	4.0	4.0	6	75	75			<0.2	<0.2	0.8	0.8		
					Middle	5.7	0.2	95	18.6	8.0	8.0	29.7	29.7	92.9	92.9	7.3	7.3	4.0	4.0	6	75	75			<0.2	<0.2	0.8	0.8		
						10.4	0.2	98	18.6	8.0	8.0	30.0	30.0	93.8	93.8	7.3	7.3	2.7	2.7	10	76	76			<0.2	<0.2	1.0	1.0		
						10.4	0.2	99	18.6	8.0	8.0	30.0	30.0	93.8	93.8	7.3	7.3	2.7	2.7	8	76	76			<0.2	<0.2	0.9	0.9		
IM1	Sunny	Moderate	10:32	7.2	Surface	1.0	-	73	18.1	8.1	8.1	31.1	31.1	99.3	99.3	7.8	7.8	6.9	6.9	6	73	75	818341	806477	<0.2	<0.2	0.8	0.8		
						1.0	-	73	18.1	8.1	8.1	31.1	31.1	99.3	99.3	7.8	7.8	6.9	6.9	6	73	75			<0.2	<0.2	0.9	0.9		
						3.6	0.1	174	18.1	8.1	8.1	31.1	31.1	98.7	98.7	7.8	7.8	7.3	7.3	8	75	75			<0.2	<0.2	0.9	0.9		
					Middle	3.6	0.2	189	18.1	8.1	8.1	31.1	31.1	98.7	98.7	7.8	7.8	7.3	7.3	9	75	75			<0.2	<0.2	0.9	0.9		
						6.2	0.1	145	18.0	8.1	8.1	31.1	31.1	98.5	98.6	7.8	7.8	8.3	8.3	10	77	77			<0.2	<0.2	0.8	0.8		
						6.2	0.1	154	18.0	8.1	8.1	31.1	31.1	98.6	98.6	7.8	7.8	8.2	8.2	9	77	77			<0.2	<0.2	0.8	0.8		
IM2	Sunny	Moderate	10:38	8.6	Surface	1.0	0.2	167	18.1	8.1	8.1	31.1	31.1	98.7	98.8	7.8	7.8	8.0	8.0	8	73	75	818842	806170	<0.2	<0.2	0.8	0.8		
						1.0	0.2	174	18.1	8.1	8.1	31.1	31.1	98.8	98.8	7.8	7.8	8.0	8.0	9	73	75			<0.2	<0.2	0.9	0.9		
						4.3	0.2	175	17.9	8.1	8.1	31.1	31.1	97.8	97.8	7.7	7.7	9.2	9.2	8	75	75			<0.2	<0.2	0.8	0.8		
					Middle	4.3	0.2	189	17.9	8.1	8.1	31.1	31.1	97.8	97.8	7.7	7.7	8.8	8.8	8	75	75			<0.2	<0.2	0.8	0.8		
						7.6	0.2	188	17.9	8.1	8.1	31.1	31.1	97.8	97.8	7.7	7.7	10.3	10.3	8	77	77			<0.2	<0.2	1.0	1.0		
						7.6	0.2	190	17.9	8.1	8.1	31.1	31.1	97.8	97.8	7.7	7.7	10.3	10.3	9	77	77			<0.2	<0.2	0.8	0.8		
IM3	Sunny	Moderate	10:45	8.0	Surface	1.0	0.2	171	18.1	8.2	8.2	30.8	30.8	99.4	99.4	7.8	7.8	7.6	7.6	6	73	75	819384	806046	<0.2	<0.2	1.2	1.2		
						1.0	0.2	187	18.1	8.2	8.2	30.8	30.8	99.4	99.4	7.8	7.8	7.6	7.6	8	73	75			<0.2	<0.2	1.3	1.3		
						4.0	0.1	186	18.0	8.1	8.1	31.1	31.1	98.3	98.3	7.7	7.7	7.4	7.4	7	75	75			<0.2	<0.2	1.0	1.0		
					Middle	4.0	0.1	196	18.0	8.1	8.1	31.1	31.1	98.3	98.3	7.7	7.7	7.4	7.4	8	75	75			<0.2	<0.2	1.0	1.0		
						7.0	0.1	167	18.0	8.1	8.1	31.1	31.1	98.2	98.2	7.7	7.7	8.0	8.0	11	77	77			<0.2	<0.2	0.8	0.8		
						7.0	0.1	180	18.0	8.1	8.1	31.1	31.1	98.2	98.2	7.7	7.7	7.9	7.9	9	77	77			<0.2	<0.2	0.8	0.8		
IM4	Sunny	Moderate	10:55	7.4	Surface	1.0	0.3	170	18.2	8.1	8.1	30.9	30.9	100.2	100.2	7.9	7.9	5.9	5.9	6	73	75	819558	805014	<0.2	<0.2	1.0	1.0		
						1.0	0.3	183	18.2	8.1	8.1	30.9	30.9	100.1	100.1	7.9	7.9	5.9	5.9	6	73	75			<0.2	<0.2	1.1	1.1		
						3.7	0.2	166	18.1	8.1	8.1	31.0	31.0	99.2	99.2	7.8	7.8	6.7	6.7	8	75	75			<0.2	<0.2	1.0	1.0		
					Middle	3.7	0.2	181	18.1	8.1	8.1	31.0	31.0	99.2	99.2	7.8	7.8	6.7	6.7	6	75	75			<0.2	<0.2	1.1	1.1		
						6.4	0.2	159	17.9	8.1	8.1	31.1	31.1	98.6	98.7	7.8	7.8	7.5	7.5	8	77	77			<0.2	<0.2	0.9	0.9		
						6.4	0.2	171	17.9	8.1	8.1	31.1	31.1	98.7	98.7	7.8	7.8	7.5	7.5	7	77	77			<0.2	<0.2	1.0	1.0		
IM5	Sunny	Moderate	11:03	6.4	Surface	1.0	0.3	185	18.2	8.1	8.1	30.6	30.6	100.6	100.6	7.9	7.9	6.4	6.4	6	74	75	820560	804914	<0.2	<0.2	1.4	1.4		
						1.0	0.3	187	18.2	8.1	8.1	30.6	30.6	100.6	100.6	7.9	7.9	5.7	5.7	6	73	75			<0.2	<0.2	1.6	1.6		
						3.2	0.2	192	18.0	8.1	8.1	30.8	30.8	99.6	99.6	7.8	7.8	6.9	6.9	8	75	75			<0.2	<0.2	1.3	1.3		
					Middle	3.2	0.3	196	18.0	8.1	8.1	30.8	30.8	99.6	99.6	7.8	7.8	6.9	6.9	9	75	75			<0.2	<0.2	1.2	1.2		
						5.4	0.2	194	18.0	8.1	8.1	30.9	30.9	99.3	99.3	7.8	7.8	9.4	9.4	9	77	77			<0.2	<0.2	1.2	1.2		
						5.4	0.2	203	18.0	8.1	8.1	30.9	30.9	99.3	99.3	7.8	7.8	9.4	9.4	9	77	77			<0.2	<0.2	1.2	1.2		
IM6	Sunny	Moderate	11:11	6.5	Surface	1.0	0.3	165	18.4	8.1	8.1	29.9	29.9	101.1	101.1	7.9	7.9	4.8	4.8	4	73	75	821054	805812	<0.2	<0.2	1.9	1.9		
						1.0	0.3	166	18.4	8.1	8.1	29.9	29.9	101.1	101.1	7.9	7.9	4.9	4.9	5	73	75			<0.2	<0.2	2.0	2.0		
						3.3	0.2	167	18.2	8.1	8.1	30.4	30.4	100.1	100.1	7.9	7.9	5.9	5.9	5	75	75			<0.2	<0.2	1.9	1.9		
					Middle	3.3	0.2	169	18.2	8.1	8.1	30.4																		

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

Water Quality Monitoring Results on **30 December 17** during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Fine	Calm	10:31	7.8	Surface	1.0	0.3	115	18.5	8.1	8.1	28.1	28.1	98.9	98.9	7.8	5.8	6	73	75	822067	808793	<0.2	2.4	<0.2	2.4								
						1.0	0.3	121	18.5	8.1	8.1	28.1	28.1	98.9	98.9	7.8	5.8	7	73	75	822067	808793	<0.2	2.4										
						3.9	0.3	103	18.4	8.1	8.1	28.4	28.4	98.3	98.3	7.8	7.2	5	74	75	822067	808793	<0.2	2.4										
					3.9	0.3	104	18.4	8.1	8.1	28.4	28.4	98.3	98.3	7.8	7.2	6	75	76	822067	808793	<0.2	2.4											
					6.8	0.2	89	18.4	8.2	8.2	29.3	29.3	97.3	97.3	7.7	7.1	7	76	76	822067	808793	<0.2	2.4											
					6.8	0.2	96	18.4	8.2	8.2	29.3	29.3	97.3	97.3	7.7	7.1	6	76	76	822067	808793	<0.2	2.6											
IM10	Fine	Calm	10:23	7.3	Surface	1.0	0.4	103	18.5	8.2	8.2	28.6	28.6	98.7	98.7	7.8	9.5	7	73	74	822241	809845	<0.2	1.9	<0.2	1.7								
						1.0	0.4	103	18.5	8.2	8.2	28.6	28.6	98.7	98.7	7.8	9.5	5	73	74	822241	809845	<0.2	2.0										
						3.7	0.3	107	18.3	8.2	8.2	29.4	29.4	97.9	97.9	7.7	11.2	8	74	74	822241	809845	<0.2	1.7										
					3.7	0.4	115	18.3	8.2	8.2	29.4	29.4	97.9	97.9	7.7	11.2	7	74	74	822241	809845	<0.2	1.4											
					6.3	0.3	96	18.3	8.2	8.2	29.4	29.4	97.2	97.2	7.7	11.0	10	76	76	822241	809845	<0.2	1.7											
					6.3	0.3	103	18.3	8.2	8.2	29.4	29.4	97.2	97.2	7.7	11.0	8	76	76	822241	809845	<0.2	1.6											
IM11	Fine	Calm	10:14	7.8	Surface	1.0	0.3	96	18.6	8.2	8.2	27.8	27.8	99.0	99.0	7.8	6.2	7	73	75	821512	810526	<0.2	1.8	<0.2	1.7								
						1.0	0.3	105	18.6	8.2	8.2	27.8	27.8	99.0	99.0	7.8	6.2	6	73	75	821512	810526	<0.2	1.9										
						3.9	0.3	98	18.5	8.2	8.2	28.0	28.0	98.0	98.0	7.8	6.2	7	75	75	821512	810526	<0.2	1.7										
					3.9	0.3	99	18.5	8.2	8.2	28.0	28.0	98.0	98.0	7.8	6.2	8	75	75	821512	810526	<0.2	1.4											
					6.8	0.2	96	18.4	8.1	8.1	28.4	28.4	97.5	97.5	7.7	5.7	6	76	76	821512	810526	<0.2	1.6											
					6.8	0.2	100	18.4	8.1	8.1	28.4	28.4	97.5	97.5	7.7	5.7	6	76	76	821512	810526	<0.2	1.6											
IM12	Fine	Calm	10:07	8.9	Surface	1.0	0.5	101	18.5	8.1	8.1	28.0	28.0	98.6	98.6	7.8	6.9	7	73	74	821161	811492	<0.2	1.7	<0.2	1.6								
						1.0	0.5	102	18.5	8.1	8.1	28.0	28.0	98.6	98.6	7.8	6.9	8	73	74	821161	811492	<0.2	1.6										
						4.5	0.4	103	18.4	8.1	8.1	28.2	28.2	98.0	98.0	7.8	5.5	7	74	74	821161	811492	<0.2	1.5										
					4.5	0.4	104	18.4	8.1	8.1	28.2	28.2	98.0	98.0	7.8	5.5	8	74	74	821161	811492	<0.2	1.6											
					7.9	0.2	92	18.4	8.1	8.1	28.5	28.5	97.6	97.6	7.7	5.1	7	75	75	821161	811492	<0.2	1.7											
					7.9	0.2	98	18.4	8.1	8.1	28.5	28.5	97.6	97.6	7.7	5.1	6	76	76	821161	811492	<0.2	1.5											
SR2	Fine	Calm	09:39	3.7	Surface	1.0	0.3	40	18.5	8.1	8.1	28.8	28.8	98.1	98.1	7.7	6.1	3	73	74	821486	814153	<0.2	1.1	<0.2	1.2								
						1.0	0.4	40	18.5	8.1	8.1	28.8	28.8	98.1	98.1	7.7	6.1	4	73	73	821486	814153	<0.2	1.2										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					2.7	0.3	41	18.5	8.1	8.1	29.1	29.1	97.1	97.1	7.7	6.7	4	75	75	821486	814153	<0.2	1.2											
					2.7	0.3	41	18.5	8.1	8.1	29.1	29.1	97.1	97.1	7.7	6.7	4	75	75	821486	814153	<0.2	1.3											
					2.7	0.3	41	18.5	8.1	8.1	29.1	29.1	97.1	97.1	7.7	6.7	4	75	75	821486	814153	<0.2	1.3											
SR3	Fine	Calm	10:44	8.7	Surface	1.0	0.3	190	18.7	8.1	8.1	27.4	27.4	98.6	98.6	7.8	6.3	2	-	-	822136	807557	-	-	-	-								
						1.0	0.3	197	18.7	8.1	8.1	27.4	27.4	98.6	98.6	7.8	6.3	4	-	-	822136	807557	-	-										
						4.4	0.2	171	18.4	8.1	8.1	28.5	28.5	97.9	97.9	7.8	7.1	5	-	-	822136	807557	-	-										
					4.4	0.2	182	18.4	8.1	8.1	28.5	28.5	97.9	97.9	7.8	7.1	5	-	-	822136	807557	-	-											
					7.7	0.1	109	18.4	8.2	8.2	29.0	29.0	97.6	97.6	7.7	8.0	7	-	-	822136	807557	-	-											
					7.7	0.1	109	18.4	8.2	8.2	29.0	29.0	97.6	97.6	7.7	8.0	8	-	-	822136	807557	-	-											
SR4A	Sunny	Calm	09:51	9.3	Surface	1.0	0.3	79	18.0	8.1	8.1	31.0	31.0	98.6	98.6	7.8	6.6	6	-	-	817193	807812	-	-	-	-								
						1.0	0.3	85	18.0	8.1	8.1	31.0	31.0	98.6	98.6	7.8	6.6	6	-	-	817193	807812	-	-										
						4.7	0.3	76	18.0	8.1	8.1	31.0	31.0	98.1	98.1	7.7	7.8	7	-	-	817193	807812	-	-										
					4.7	0.3	81	18.0	8.1	8.1	31.0	31.0	98.1	98.1	7.7	7.8	6	-	-	817193	807812	-	-											
					8.3	0.2	70	18.0	8.1	8.1	31.0	31.0	98.2	98.2	7.7	8.0	7	-	-	817193	807812	-	-											
					8.3	0.2	71	18.0	8.1	8.1	31.0	31.0	98.2	98.2	7.7	8.0	9	-	-	817193	807812	-	-											
SR5A	Sunny	Calm	09:33	4.9	Surface	1.0	0.2	130	18.3	8.1	8.1	31.2	31.2	99.3	99.3	7.8	6.4	7	-	-	816615	810720	-	-	-	-								
						1.0	0.2	131	18.3	8.1	8.1	31.2	31.2	99.3	99.3	7.8	6.5	6	-	-	816615	810720	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					3.9	0.2	127	18.3	8.1	8.1	31.2	31.2	99.3	99.3	7.8	6.5	8	-	-	816615	810720	-	-											
					3.9	0.2	130	18.3	8.1	8.1	31.2	31.2	99.4	99.4	7.8	6.6	9	-	-	816615	810720	-	-											
					3.9	0.2	130	18.3	8.1	8.1	31.2	31.2	99.4	99.4	7.8	6.6	9	-	-	816615	810720	-	-											
SR6	Sunny	Calm	09:09	4.0	Surface	1.0	0.1	41	18.1	8.1	8.1	30.2	30.2	98.8	98.8	7.8	3.4	7	-	-	817897	814673	-	-	-	-								
						1.0	0.1	42	18.1	8.1	8.1	30.2	30.2	98.8	98.8	7.8	3.4	5	-	-	817897	814673	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
					3.0	0.1	36	18.1	8.1	8.1	30.1	30.1	98.8	98.8	7.8	3.5	5	-	-	817897	814673	-	-											
					3.0	0.1	39	18.1	8.1	8.1	30.1	30.1	98.8	98.8	7.8	3.5	6	-	-	817897	814673	-	-											
					3.0	0.1	39	18.1	8.1	8.1	30.1	30.1	98.8	98.8	7.8	3.5	6	-	-	817897	814673	-	-											
SR7	Fine	Calm	08:37	17.7	Surface	1.0	0.1	64	18.6	8.0	8.0	29.7	29.7	91.9	91.9	7.2	4.1	4	-	-	823607	823729	-	-	-	-								
						1.0	0.1	68	18.6	8.0	8.0	29.7	29.7	91.8	91.8	7.2	4.0	3	-	-	823607	823729	-	-										
						8.9	0.1	39	18.6	8.0	8.0	29.8	29.8	91.6	91.6	7.2	3.1	6	-	-	823607	823729	-	-										
					8.9	0.1	40	18.6	8.0	8.0	29.8	29.8	91.6	91.6	7.2	3.1	4	-	-	823607	823729	-	-											
					16.7	0.1	28	18.6	8.0	8.0	30.0	30.0	92.3	92.3	7.2	3.9	8	-	-	823607	823729	-	-											
					16.7	0.1	29	18.6	8.0	8.0	30.0	30.0	92.3																					

Expansion of Hong Kong International Airport into a Three-Runway System
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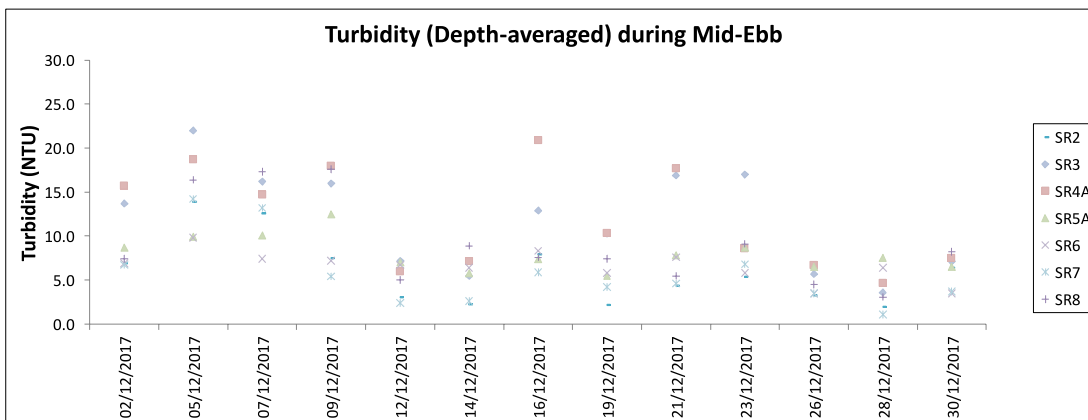
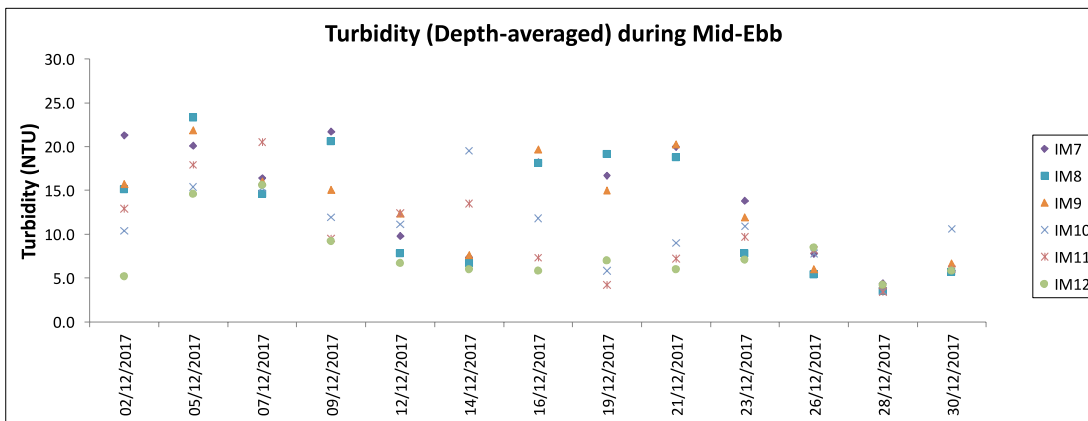
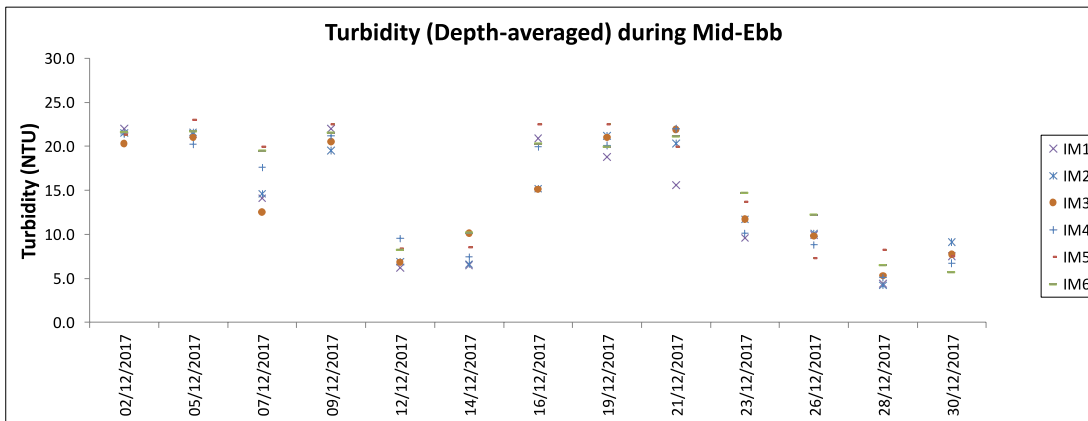
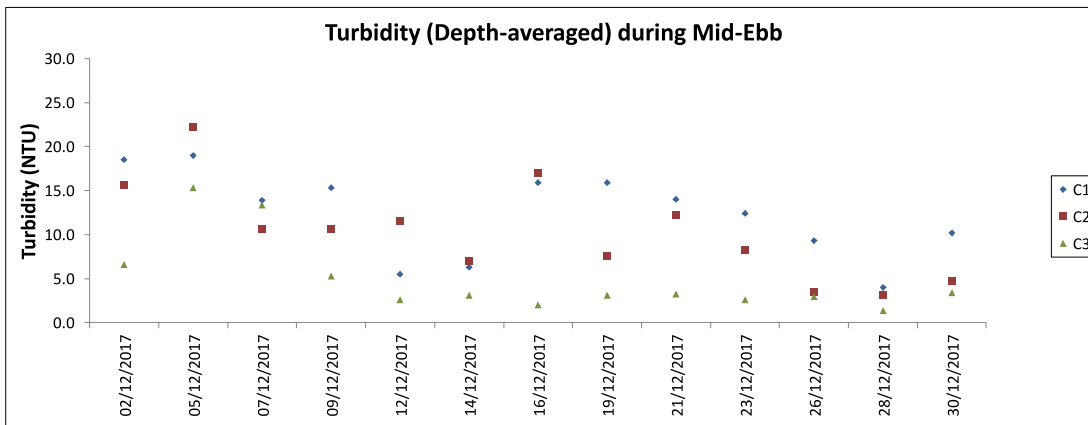
Water Quality Monitoring Results on 30 December 17 during Mid-Flood Tide

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		
C1	Misty	Moderate	15:30	8.6	Surface	1.0	0.4	21	18.4	18.4	8.1	8.1	31.2	31.2	100.3	100.3	7.8	7.8	6.8	6.8	5	5	73	73	815592	804220	<0.2	<0.2	1.0	1.0
						1.0	0.4	21	18.4	18.4	8.1	8.1	31.2	31.2	100.3	100.3	7.8	7.8	6.9	6.9	4	4	73	73			<0.2	<0.2	0.9	0.9
						4.3	0.4	19	18.2	18.2	8.1	8.1	31.3	31.3	99.2	99.2	7.8	7.8	11.3	11.3	9	9	75	75			<0.2	<0.2	0.8	0.8
					4.3	0.4	20	18.2	18.2	8.1	8.1	31.3	31.3	99.2	99.2	7.8	7.8	11.4	11.4	10	10	75	75	<0.2			<0.2	0.9	0.9	
					7.6	0.4	25	18.1	18.1	8.1	8.1	31.3	31.3	98.6	98.6	7.7	7.7	25.5	25.5	13	13	77	77	<0.2			<0.2	0.9	0.9	
					7.6	0.4	27	18.1	18.1	8.1	8.1	31.3	31.3	98.6	98.6	7.7	7.7	25.6	25.6	15	15	77	77	<0.2			<0.2	0.8	0.8	
C2	Sunny	Moderate	14:32	11.1	Surface	1.0	0.1	183	19.2	19.2	8.1	8.1	25.3	25.3	101.4	101.4	8.1	8.1	6.4	6.4	6	6	73	73	825708	806954	<0.2	<0.2	3.5	3.5
						1.0	0.2	194	19.2	19.2	8.1	8.1	25.3	25.3	101.4	101.4	8.1	8.1	6.4	6.4	4	4	73	73			<0.2	<0.2	3.4	3.4
						5.6	0.1	273	18.6	18.6	8.1	8.1	27.8	27.8	97.9	97.9	7.8	7.8	6.3	6.3	6	6	75	75			<0.2	<0.2	1.2	1.2
					5.6	0.1	277	18.6	18.6	8.1	8.1	27.8	27.8	97.9	97.9	7.8	7.8	6.3	6.3	7	7	75	75	<0.2			<0.2	1.3	1.3	
					10.1	0.4	339	18.6	18.6	8.1	8.1	28.5	28.5	98.2	98.2	7.8	7.8	9.0	9.0	8	8	76	76	<0.2			<0.2	1.8	1.8	
					10.1	0.4	312	18.6	18.6	8.1	8.1	28.5	28.5	98.2	98.2	7.8	7.8	9.0	9.0	8	8	77	77	<0.2			<0.2	1.6	1.6	
C3	Sunny	Moderate	16:19	12.1	Surface	1.0	0.5	269	18.7	18.7	8.1	8.1	28.9	28.9	97.0	97.0	7.6	7.6	3.1	3.1	3	3	72	72	822101	817821	<0.2	<0.2	1.1	1.1
						1.0	0.5	286	18.7	18.7	8.1	8.1	28.9	28.9	97.0	97.0	7.6	7.6	3.1	3.1	4	4	73	73			<0.2	<0.2	1.1	1.1
						6.1	0.5	271	18.6	18.6	8.1	8.1	28.8	28.8	95.8	95.8	7.5	7.5	4.3	4.3	4	4	75	75			<0.2	<0.2	1.0	1.0
					6.1	0.5	282	18.6	18.6	8.1	8.1	28.8	28.8	95.8	95.8	7.5	7.5	4.3	4.3	6	6	75	75	<0.2			<0.2	1.1	1.1	
					11.1	0.3	272	18.6	18.6	8.1	8.1	28.8	28.8	96.6	96.6	7.6	7.6	6.3	6.3	8	8	77	77	<0.2			<0.2	1.1	1.1	
					11.1	0.4	285	18.6	18.6	8.1	8.1	28.8	28.8	96.6	96.6	7.6	7.6	6.3	6.3	8	8	77	77	<0.2			<0.2	1.1	1.1	
IM1	Misty	Moderate	15:11	7.3	Surface	1.0	0.1	134	18.6	18.6	8.2	8.2	30.1	30.1	102.5	102.5	8.0	8.0	4.6	4.6	4	4	73	73	818362	806478	<0.2	<0.2	1.8	1.8
						1.0	0.1	146	18.6	18.6	8.2	8.2	30.1	30.1	102.5	102.5	8.0	8.0	4.6	4.6	6	6	73	73			<0.2	<0.2	1.9	1.9
						3.7	0.1	93	18.4	18.4	8.2	8.2	30.5	30.5	100.8	100.8	7.9	7.9	6.0	6.0	5	5	76	76			<0.2	<0.2	1.6	1.6
					3.7	0.1	102	18.4	18.4	8.2	8.2	30.5	30.5	100.7	100.7	7.9	7.9	6.1	6.1	5	5	76	76	<0.2			<0.2	1.6	1.6	
					6.3	0.1	95	18.1	18.1	8.1	8.1	31.1	31.1	99.2	99.2	7.8	7.8	10.0	10.0	12	12	77	77	<0.2			<0.2	1.0	1.0	
					6.3	0.1	97	18.1	18.1	8.1	8.1	31.1	31.1	99.3	99.3	7.8	7.8	10.0	10.0	12	12	77	77	<0.2			<0.2	0.9	0.9	
IM2	Misty	Moderate	15:06	8.1	Surface	1.0	0.1	104	18.7	18.7	8.2	8.2	29.8	29.8	101.7	101.7	8.0	8.0	4.7	4.7	4	4	74	74	818832	806174	<0.2	<0.2	2.0	2.0
						1.0	0.1	110	18.7	18.7	8.2	8.2	29.8	29.8	101.6	101.6	8.0	8.0	4.7	4.7	5	5	73	73			<0.2	<0.2	2.2	2.2
						4.1	0.1	-	18.1	18.1	8.1	8.1	30.8	30.8	99.2	99.2	7.8	7.8	6.5	6.5	5	5	76	76			<0.2	<0.2	1.4	1.4
					4.1	0.1	-	18.1	18.1	8.1	8.1	30.8	30.8	99.1	99.1	7.8	7.8	6.6	6.6	4	4	75	75	<0.2			<0.2	1.3	1.3	
					7.1	0.2	-	18.0	18.0	8.1	8.1	31.1	31.1	98.5	98.5	7.7	7.7	8.6	8.6	7	7	78	78	<0.2			<0.2	3.0	3.0	
					7.1	0.2	-	18.0	18.0	8.1	8.1	31.1	31.1	98.5	98.5	7.7	7.7	8.7	8.7	8	8	77	77	<0.2			<0.2	2.9	2.9	
IM3	Misty	Moderate	14:59	8.2	Surface	1.0	0.1	305	18.7	18.7	8.1	8.1	29.7	29.7	102.3	102.3	8.0	8.0	4.1	4.1	4	4	73	73	819381	806001	<0.2	<0.2	2.1	2.1
						1.0	0.1	313	18.7	18.7	8.1	8.1	29.7	29.7	102.2	102.2	8.0	8.0	4.1	4.1	4	4	74	74			<0.2	<0.2	2.2	2.2
						4.1	0.2	356	18.3	18.3	8.2	8.2	30.5	30.5	100.3	100.3	7.9	7.9	5.3	5.3	5	5	76	76			<0.2	<0.2	2.1	2.1
					4.1	0.2	328	18.3	18.3	8.2	8.2	30.5	30.5	100.3	100.3	7.9	7.9	5.4	5.4	7	7	75	75	<0.2			<0.2	2.0	2.0	
					7.2	0.2	7	18.1	18.1	8.1	8.1	30.8	30.8	99.9	99.9	7.9	7.9	5.8	5.8	6	6	78	78	<0.2			<0.2	1.5	1.5	
					7.2	0.2	7	18.1	18.1	8.1	8.1	30.8	30.8	99.9	99.9	7.9	7.9	5.8	5.8	7	7	77	77	<0.2			<0.2	1.6	1.6	
IM4	Misty	Moderate	14:52	7.5	Surface	1.0	0.1	350	18.7	18.7	8.2	8.2	30.1	30.1	103.0	103.0	8.0	8.0	5.3	5.3	5	5	73	73	819570	805034	<0.2	<0.2	1.9	1.9
						1.0	0.1	322	18.7	18.7	8.2	8.2	30.1	30.1	102.9	102.9	8.0	8.0	5.3	5.3	7	7	74	74			<0.2	<0.2	1.7	1.7
						3.8	0.3	343	18.3	18.3	8.2	8.2	30.8	30.8	101.0	101.0	7.9	7.9	7.8	7.8	11	11	75	75			<0.2	<0.2	1.5	1.5
					3.8	0.3	316	18.3	18.3	8.2	8.2	30.8	30.8	101.0	101.0	7.9	7.9	7.8	7.8	9	9	76	76	<0.2			<0.2	1.5	1.5	
					6.5	0.2	343	18.1	18.1	8.1	8.1	31.0	31.0	99.9	99.9	7.8	7.8	7.0	7.0	9	9	77	77	<0.2			<0.2	1.2	1.2	
					6.5	0.2	316	18.1	18.1	8.1	8.1	31.0	31.0	99.9	99.9	7.8	7.8	7.0	7.0	9	9	78	78	<0.2			<0.2	1.3	1.3	
IM5	Misty	Moderate	14:43	6.7	Surface	1.0	0.2	329	18.7	18.7	8.1	8.1	29.3	29.3	102.9	102.9	8.1	8.1	4.5	4.5	8	8	74	74	820583	804940	<0.2	<0.2	2.7	2.7
						1.0	0.2	341	18.7	18.7	8.1	8.1	29.3	29.3	102.9	102.9	8.1	8.1	4.5	4.5	7	7	74	74			<0.2	<0.2	2.4	2.4
						3.4	0.2	342	18.4	18.4	8.1	8.1	30.0	30.0	101.9	101.9	8.0	8.0	4.3	4.3	8	8	76	76			<0.2	<0.2	2.2	2.2
					3.4	0.2	315	18.4	18.4	8.1	8.1	30.0	30.0	101.8	101.8	8.0	8.0	4.3	4.3	6	6	75	75	<0.2			<0.2	2.4	2.4	
					5.7	0.2	338	18.3	18.3	8.1	8.1	30.3	30.3	101.2	101.2	8.0	8.0	4.4	4.4	14	14	77	77	<0.2			<0.2	2.5	2.5	
					5.7	0.3	358	18.3	18.3	8.1	8.1	30.3	30.3	101.2	101.2	8.0	8.0	4.4	4.4	14	14	77	77	<0.2			<0.2	2.4	2.4	
IM6	Misty	Moderate	14:35	6.6	Surface	1.0	0.3	305	18.8	18.8	8.1	8.1	29.5	29.5	102.9	102.9	8.0	8.0	4.4	4.4	6	6	74	74	821057	805855	<0.2	<0.2	2.4	2.4
						1.0	0.3	313	18.8																					

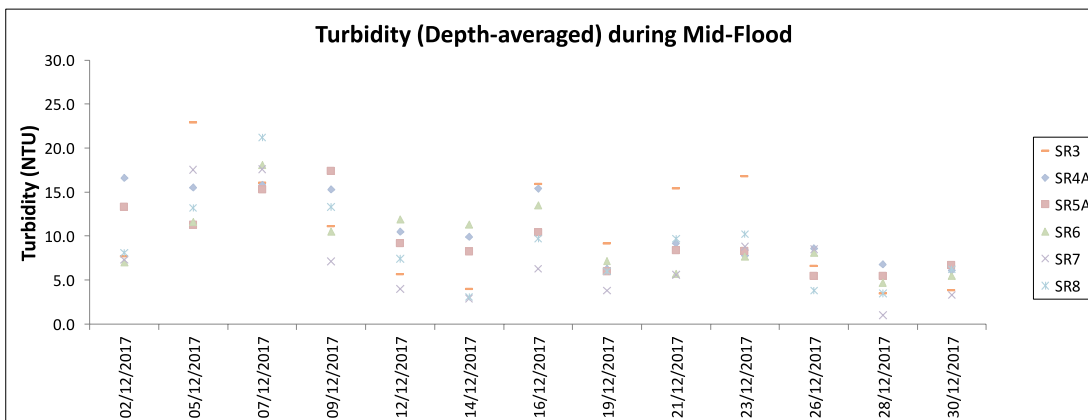
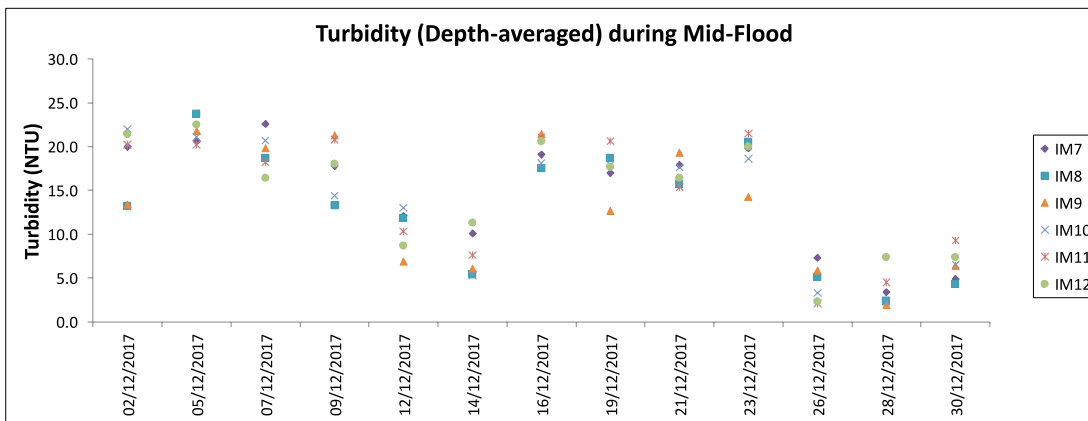
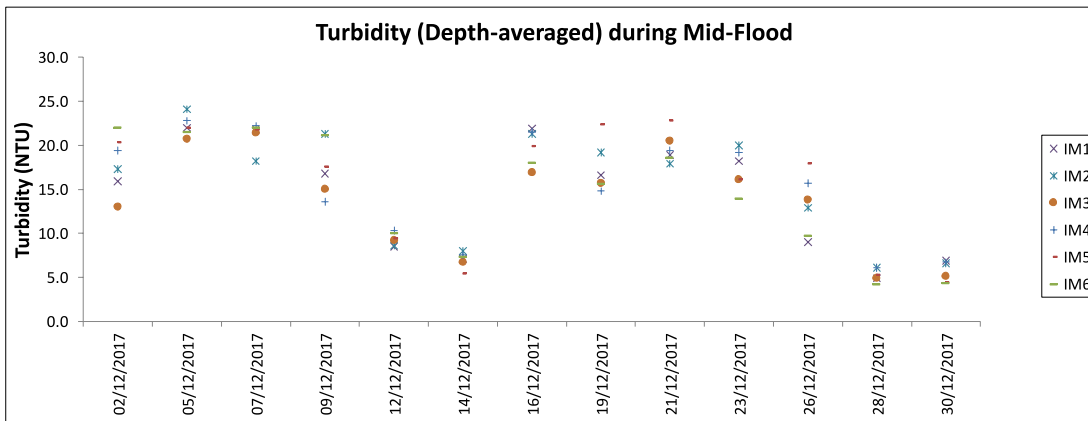
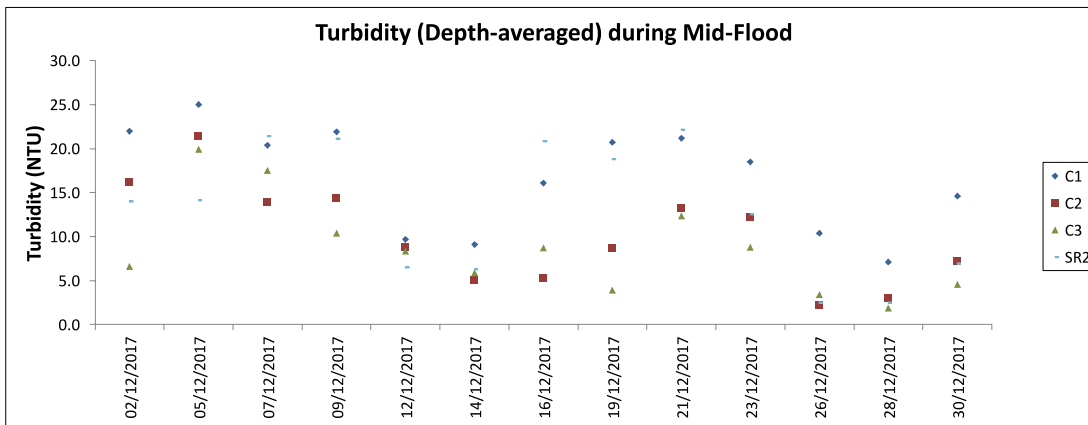
Expansion of Hong Kong International Airport into a Three-Runway System
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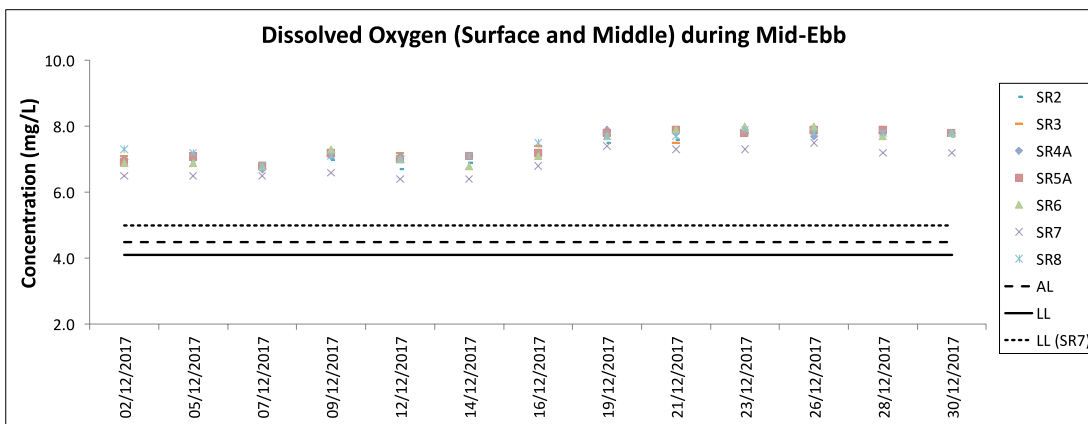
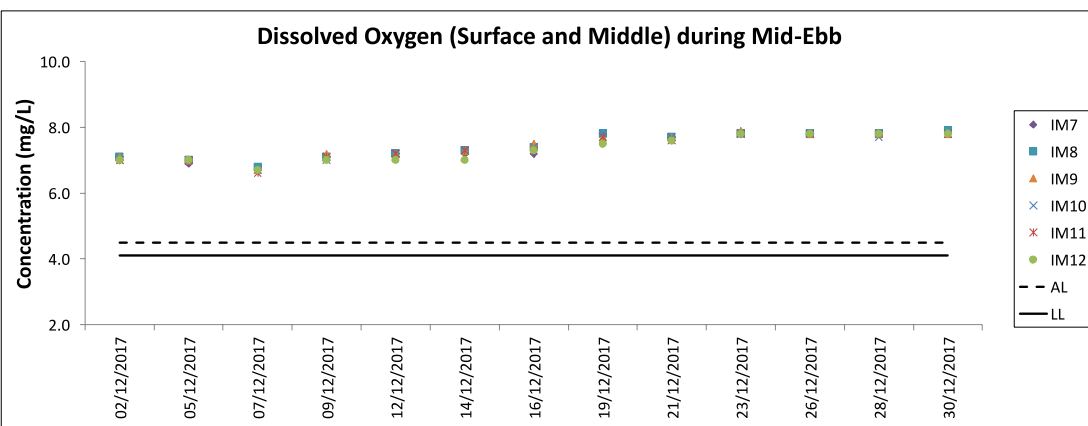
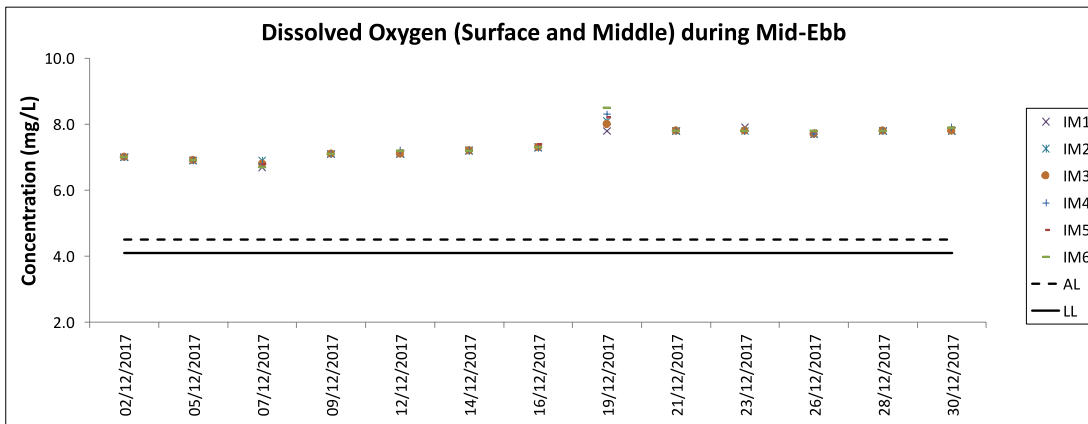
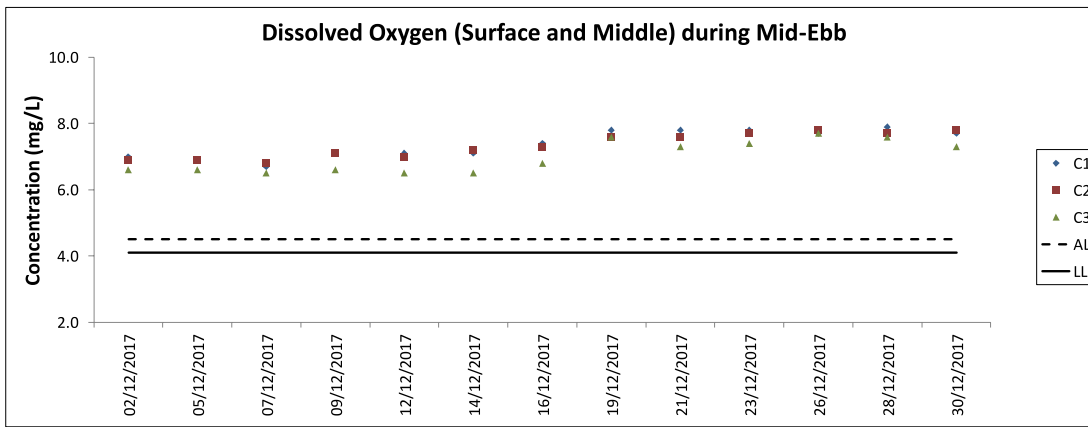
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value	Value
IM9	Sunny	Moderate	15:03	7.0	Surface	1.0	0.2	307	<u>18.9</u>	18.9	8.1	8.1	27.6	27.6	102.3	102.3	8.1	8.1	5.8	7	73	75	822089	808815	<0.2	<0.2	2.5	2.4					
						1.0	0.2	311	<u>18.9</u>	18.9	8.1	8.1	27.6	27.6	102.3	102.3	8.1	8.1	5.8	7	73	75	822089	808815	<0.2	<0.2	2.6	2.4					
						3.5	0.2	306	<u>18.8</u>	18.8	8.1	8.1	27.5	27.5	101.7	101.7	8.0	8.0	7.5	8	75	75	822089	808815	<0.2	<0.2	2.3	2.4					
						3.5	0.2	316	<u>18.8</u>	18.8	8.1	8.1	27.5	27.5	101.7	101.7	8.0	8.0	7.5	9	75	76	822089	808815	<0.2	<0.2	2.5	2.4					
						6.0	0.1	301	<u>18.8</u>	18.8	8.1	8.1	27.4	27.4	101.1	101.1	8.0	8.0	5.9	7	76	76	822089	808815	<0.2	<0.2	2.3	2.4					
						6.0	0.1	306	<u>18.8</u>	18.8	8.1	8.1	27.4	27.4	101.1	101.1	8.0	8.0	5.9	8	76	76	822089	808815	<0.2	<0.2	2.4	2.4					
IM10	Sunny	Moderate	15:11	7.6	Surface	1.0	0.4	304	<u>18.8</u>	18.8	8.1	8.1	27.9	27.9	101.1	101.1	8.0	8.0	4.9	7	73	75	822218	809822	<0.2	<0.2	2.0	2.0					
						1.0	0.4	318	<u>18.8</u>	18.8	8.1	8.1	27.9	27.9	101.1	101.1	8.0	8.0	4.9	8	73	75	822218	809822	<0.2	<0.2	2.0	2.0					
						3.8	0.4	305	<u>18.5</u>	18.5	8.2	8.2	27.9	27.9	99.6	99.6	7.9	7.9	6.8	7	75	75	822218	809822	<0.2	<0.2	2.0	2.0					
						3.8	0.4	310	<u>18.5</u>	18.5	8.2	8.2	27.9	27.9	99.6	99.6	7.9	7.9	6.8	6	75	75	822218	809822	<0.2	<0.2	2.1	2.0					
						6.6	0.3	309	<u>18.5</u>	18.5	8.2	8.2	27.9	27.9	99.4	99.4	7.9	7.9	7.9	9	76	76	822218	809822	<0.2	<0.2	2.0	2.0					
						6.6	0.4	324	<u>18.5</u>	18.5	8.2	8.2	27.9	27.9	99.4	99.4	7.9	7.9	7.9	8	76	76	822218	809822	<0.2	<0.2	2.1	2.0					
IM11	Sunny	Moderate	15:20	7.4	Surface	1.0	0.3	284	<u>19.0</u>	19.0	8.1	8.1	27.9	27.9	102.3	102.3	8.0	8.0	6.2	10	73	75	821512	810533	<0.2	<0.2	2.3	2.1					
						1.0	0.3	310	<u>19.0</u>	19.0	8.1	8.1	27.9	27.9	102.3	102.3	8.0	8.0	6.2	11	74	76	821512	810533	<0.2	<0.2	2.2	2.1					
						3.7	0.3	284	<u>18.8</u>	18.8	8.2	8.2	28.3	28.3	100.8	100.8	7.9	7.9	9.3	11	76	76	821512	810533	<0.2	<0.2	2.1	2.1					
						3.7	0.3	294	<u>18.8</u>	18.8	8.2	8.2	28.3	28.3	100.8	100.8	7.9	7.9	9.3	10	76	76	821512	810533	<0.2	<0.2	2.1	2.1					
						6.4	0.3	282	<u>18.8</u>	18.8	8.2	8.2	28.2	28.2	100.4	100.4	7.9	7.9	12.3	11	76	76	821512	810533	<0.2	<0.2	2.1	2.1					
						6.4	0.3	309	<u>18.8</u>	18.8	8.2	8.2	28.2	28.2	100.4	100.4	7.9	7.9	12.3	10	76	76	821512	810533	<0.2	<0.2	1.8	2.1					
IM12	Sunny	Moderate	15:29	8.4	Surface	1.0	0.4	284	<u>18.8</u>	18.8	8.2	8.2	27.9	27.9	101.3	101.3	8.0	8.0	5.5	8	73	74	821165	811548	<0.2	<0.2	2.3	2.0					
						1.0	0.4	308	<u>18.8</u>	18.8	8.2	8.2	27.9	27.9	101.3	101.3	8.0	8.0	5.5	8	73	74	821165	811548	<0.2	<0.2	2.1	2.0					
						4.2	0.5	281	<u>18.6</u>	18.6	8.2	8.2	28.3	28.3	100.1	100.1	7.9	7.9	7.2	10	74	74	821165	811548	<0.2	<0.2	2.2	2.0					
						4.2	0.5	291	<u>18.6</u>	18.6	8.2	8.2	28.3	28.3	100.1	100.1	7.9	7.9	7.2	10	74	74	821165	811548	<0.2	<0.2	2.2	2.0					
						7.4	0.4	282	<u>18.5</u>	18.5	8.2	8.2	28.6	28.6	99.5	99.5	7.9	7.9	9.4	10	76	76	821165	811548	<0.2	<0.2	1.7	2.0					
						7.4	0.5	291	<u>18.5</u>	18.5	8.2	8.2	28.6	28.6	99.5	99.5	7.9	7.9	9.4	12	76	76	821165	811548	<0.2	<0.2	1.6	2.0					
SR2	Sunny	Moderate	15:55	4.1	Surface	1.0	0.1	10	<u>18.8</u>	18.8	8.2	8.2	28.3	28.3	101.2	101.2	8.0	8.0	5.7	6	73	74	821479	814161	<0.2	<0.2	1.3	1.4					
						1.0	0.1	10	<u>18.8</u>	18.8	8.2	8.2	28.3	28.3	101.2	101.2	8.0	8.0	5.7	8	73	74	821479	814161	<0.2	<0.2	1.3	1.4					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.1	0.1	31	<u>18.8</u>	18.8	8.1	8.1	28.4	28.4	100.1	100.1	7.9	7.9	8.0	7	75	76	821479	814161	<0.2	<0.2	1.4	1.4					
						3.1	0.1	33	<u>18.8</u>	18.8	8.1	8.1	28.4	28.4	100.1	100.1	7.9	7.9	8.0	8	76	76	821479	814161	<0.2	<0.2	1.4	1.4					
SR3	Sunny	Moderate	14:51	9.0	Surface	1.0	0.1	185	<u>19.0</u>	19.0	8.1	8.1	26.8	26.8	101.4	101.4	8.0	8.0	3.5	3	-	-	822140	807558	-	-	-	-					
						1.0	0.1	186	<u>19.0</u>	19.0	8.1	8.1	26.8	26.8	101.4	101.4	8.0	8.0	3.5	5	-	-	822140	807558	-	-	-	-					
						4.5	0.1	196	<u>18.7</u>	18.7	8.1	8.1	27.1	27.1	100.3	100.3	8.0	8.0	3.8	6	-	-	822140	807558	-	-	-	-					
						4.5	0.1	197	<u>18.7</u>	18.7	8.1	8.1	27.1	27.1	100.3	100.3	8.0	8.0	3.8	5	-	-	822140	807558	-	-	-	-					
						8.0	0.1	252	<u>18.6</u>	18.6	8.1	8.1	27.4	27.4	99.8	99.8	7.9	7.9	4.4	7	-	-	822140	807558	-	-	-	-					
						8.0	0.1	256	<u>18.6</u>	18.6	8.1	8.1	27.4	27.4	99.8	99.8	7.9	7.9	4.4	8	-	-	822140	807558	-	-	-	-					
SR4A	Misty	Moderate	15:49	9.1	Surface	1.0	0.2	275	<u>18.6</u>	18.6	8.1	8.1	31.1	31.1	101.0	101.0	7.9	7.9	6.4	9	-	-	817180	807833	-	-	-	-					
						1.0	0.2	286	<u>18.6</u>	18.6	8.1	8.1	31.1	31.1	101.0	101.0	7.8	7.8	6.4	9	-	-	817180	807833	-	-	-	-					
						4.6	0.2	240	<u>18.3</u>	18.3	8.1	8.1	31.1	31.1	99.5	99.5	7.8	7.8	5.6	10	-	-	817180	807833	-	-	-	-					
						4.6	0.2	250	<u>18.3</u>	18.3	8.1	8.1	31.1	31.1	99.5	99.5	7.8	7.8	5.6	12	-	-	817180	807833	-	-	-	-					
						8.1	0.2	245	<u>18.3</u>	18.3	8.1	8.1	31.1	31.1	99.1	99.1	7.8	7.8	6.3	10	-	-	817180	807833	-	-	-	-					
						8.1	0.2	253	<u>18.3</u>	18.3	8.1	8.1	31.1	31.1	99.1	99.1	7.8	7.8	6.4	10	-	-	817180	807833	-	-	-	-					
SR5A	Misty	Moderate	16:06	5.6	Surface	1.0	0.3	279	<u>18.8</u>	18.8	8.1	8.1	31.3	31.3	103.5	103.5	8.0	8.0	6.5	7	-	-	816588	810705	-	-	-	-					
						1.0	0.3	290	<u>18.8</u>	18.8	8.1	8.1	31.3	31.3	103.5	103.5	8.0	8.0	6.5	7	-	-	816588	810705	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.6	0.2	279	<u>18.8</u>	18.8	8.1	8.1	31.3	31.3	101.4	101.4	7.8	7.8	6.9	11	-	-	816588	810705	-	-	-	-					
						4.6	0.2	282	<u>18.8</u>	18.8	8.1	8.1	31.3	31.3	101.4	101.4	7.8	7.8	7.0	9	-	-	816588	810705	-	-	-	-					
SR6	Misty	Moderate	16:29	4.4	Surface	1.0	0.1	228	<u>18.7</u>	18.7	8.2	8.2	31.0	31.0	104.4	104.4	8.1	8.1	5.6	9	-	-	817882	814679	-	-	-	-					
						1.0	0.1	243	<u>18.7</u>	18.7	8.2	8.2	31.0	31.0	104.4	104.4	8.1	8.1	5.7	8	-	-	817882	814679	-	-	-						

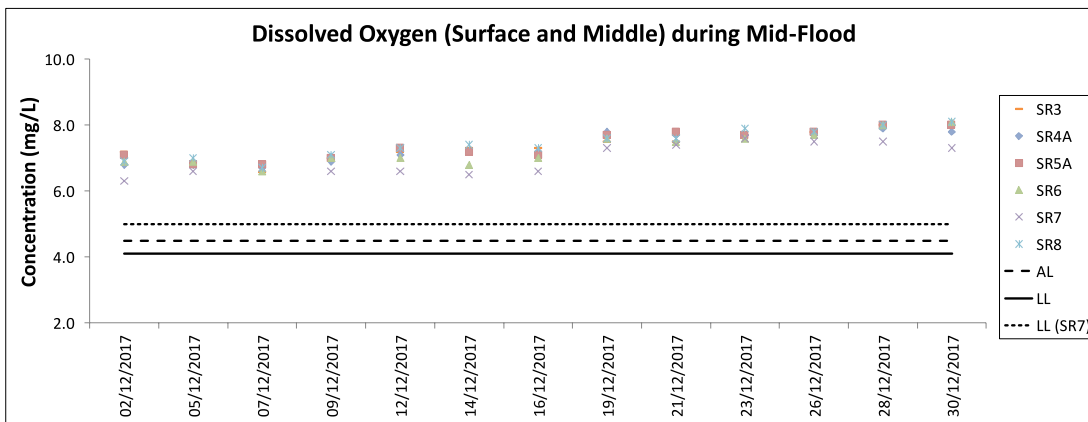
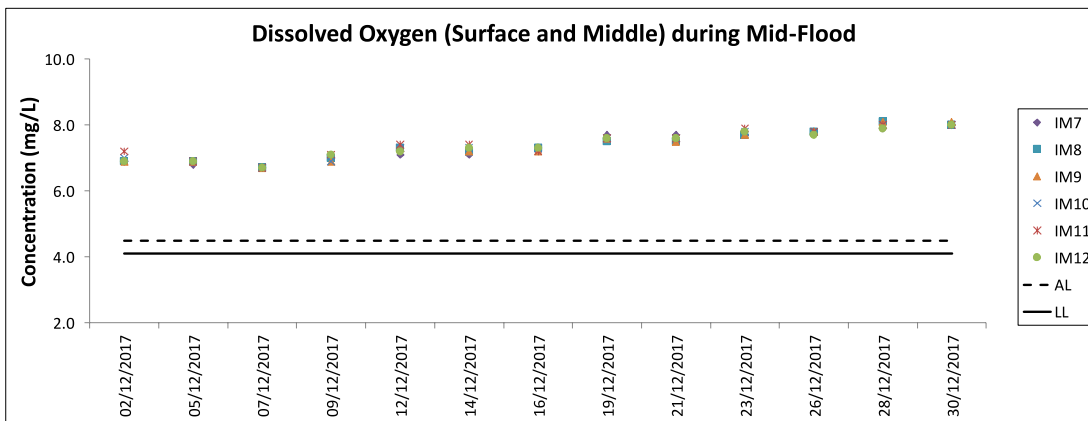
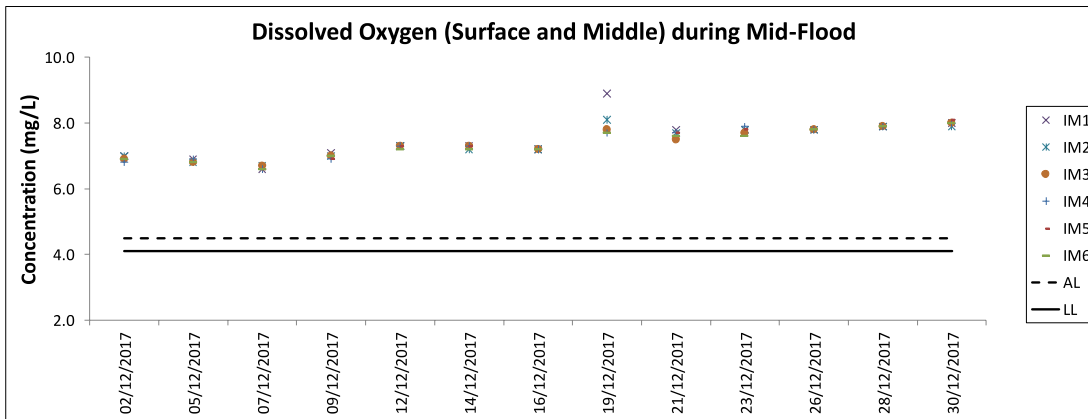
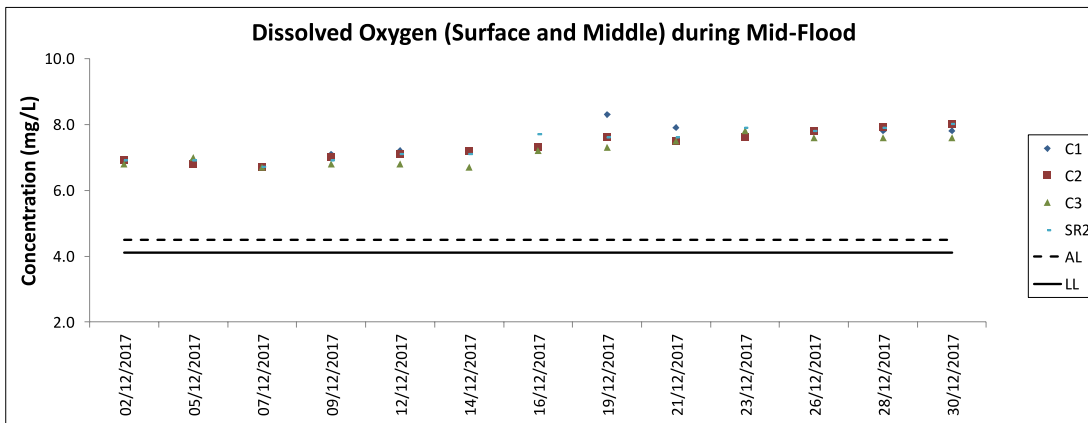


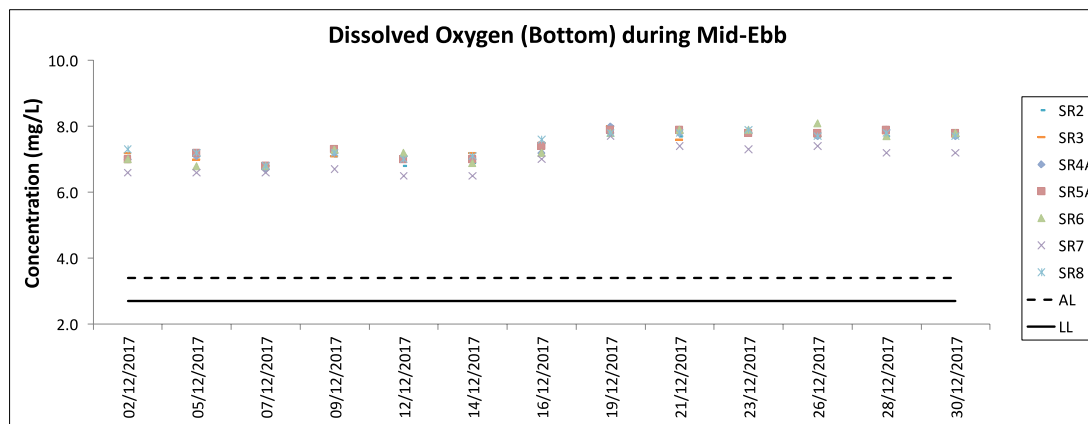
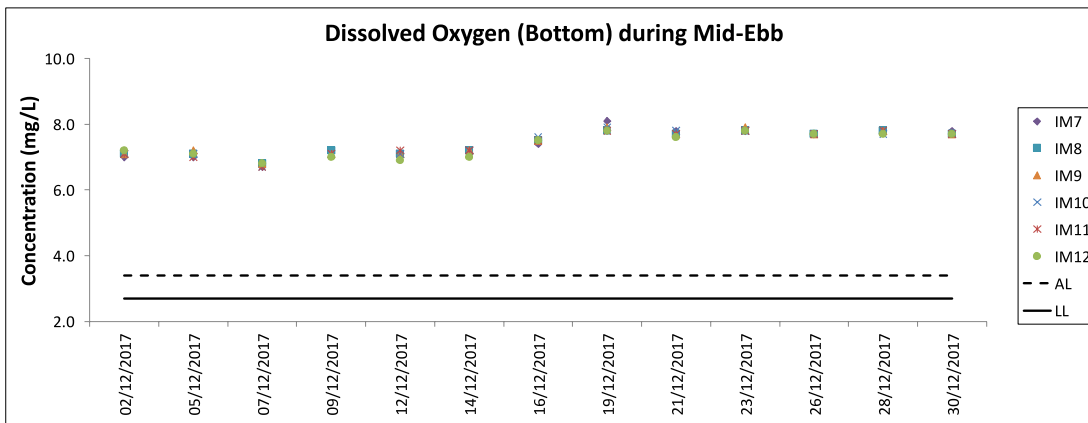
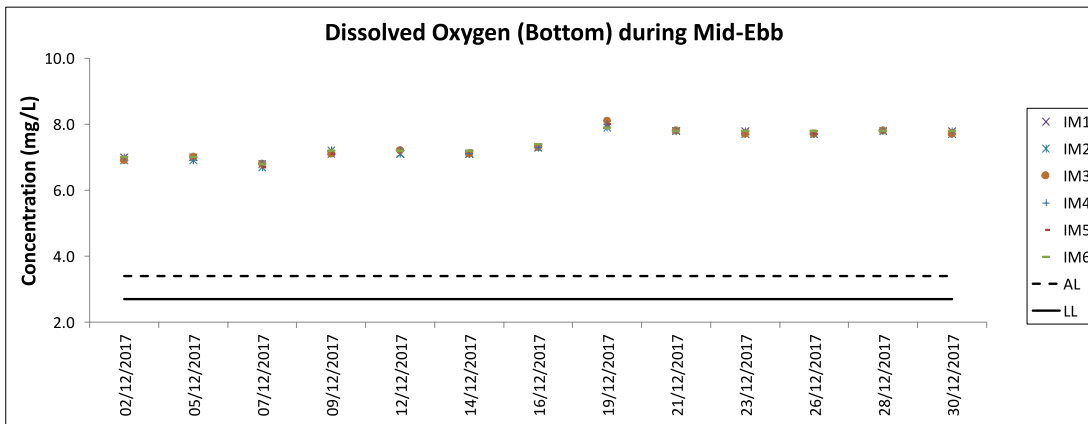
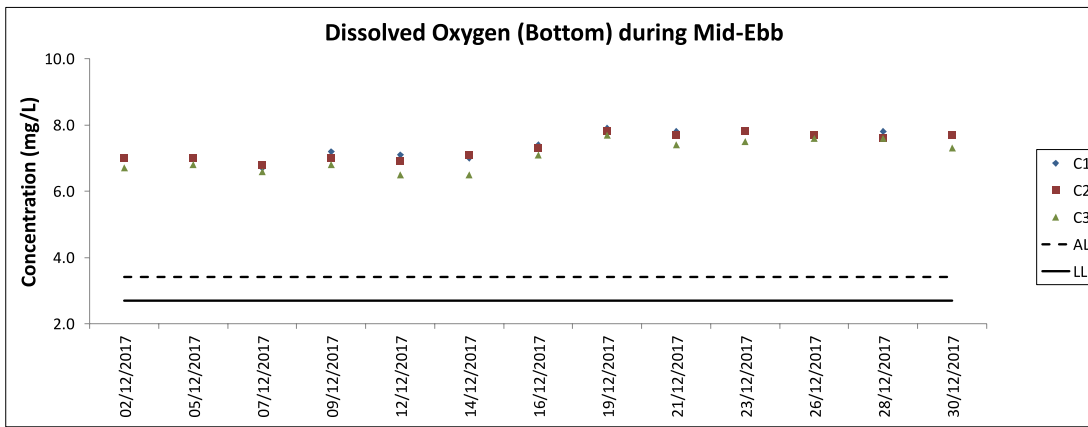
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

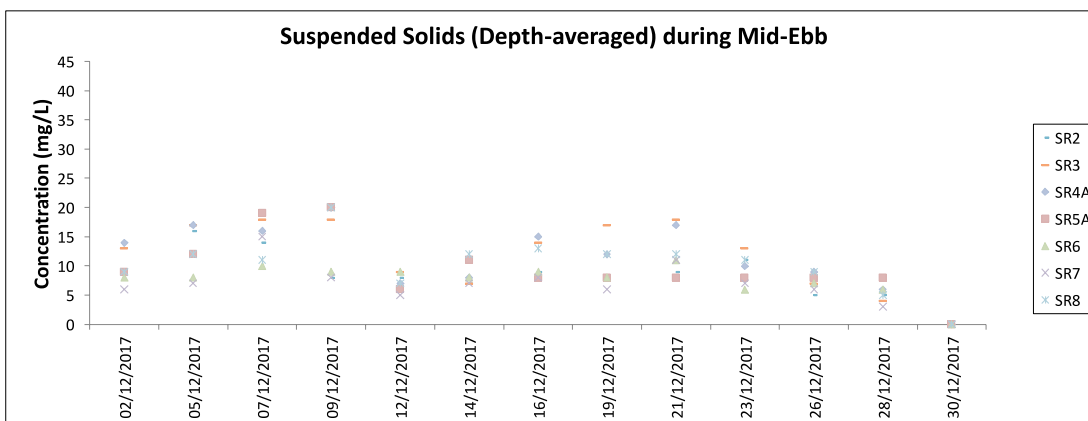
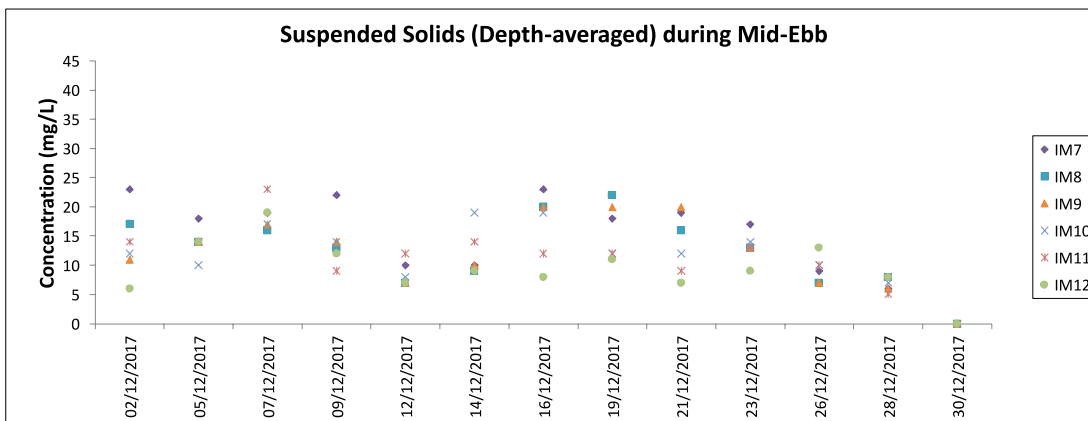
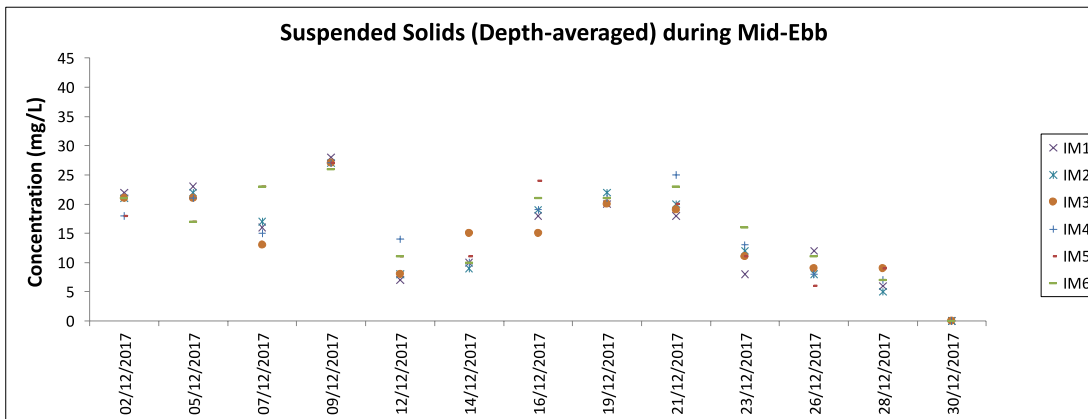
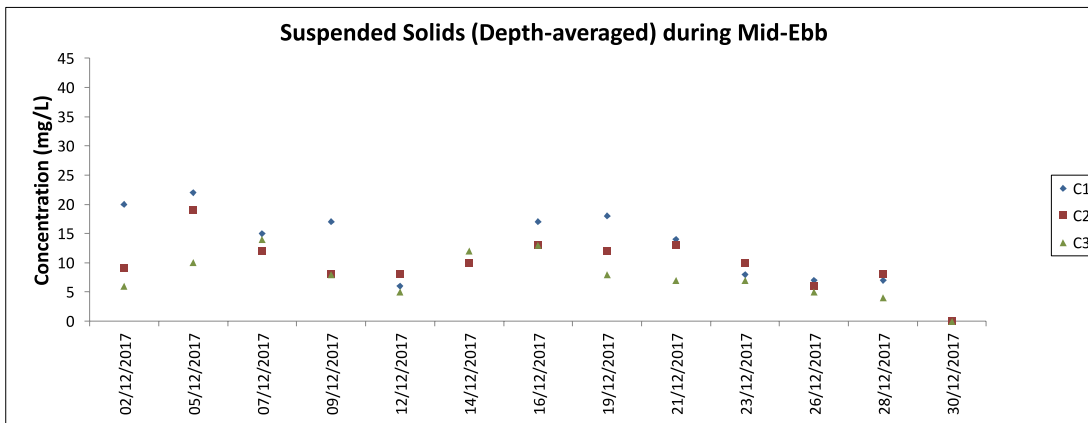


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

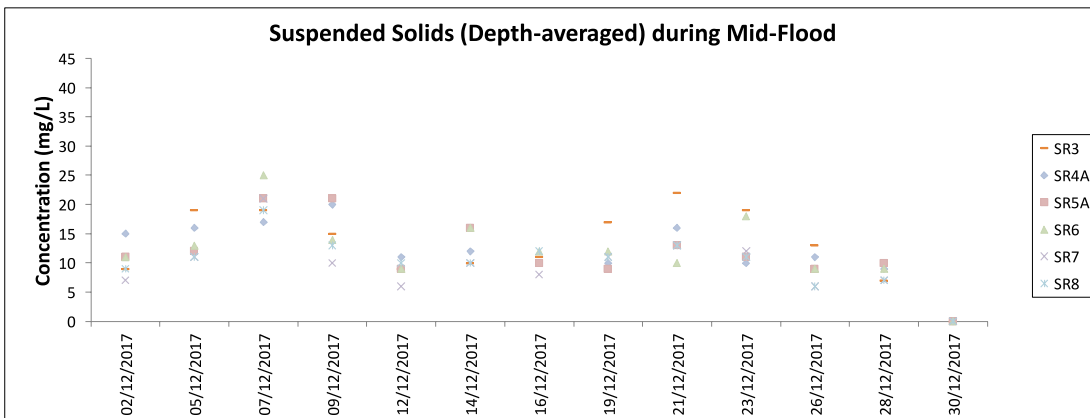
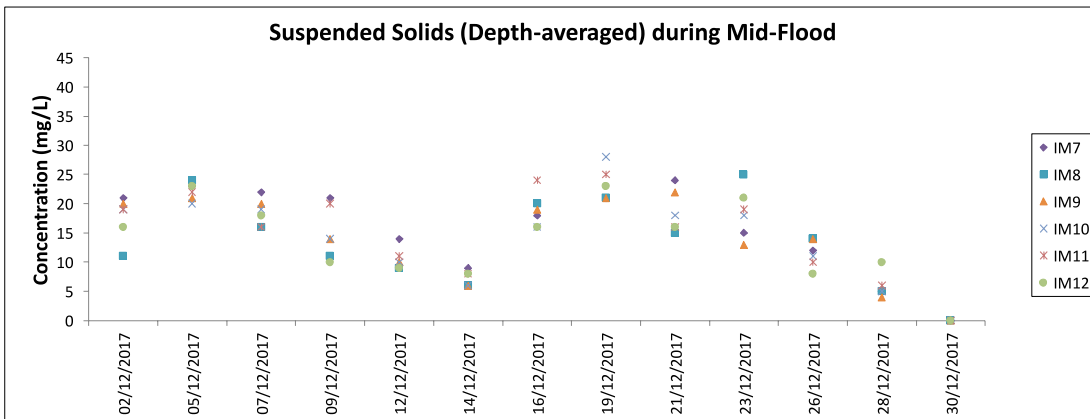
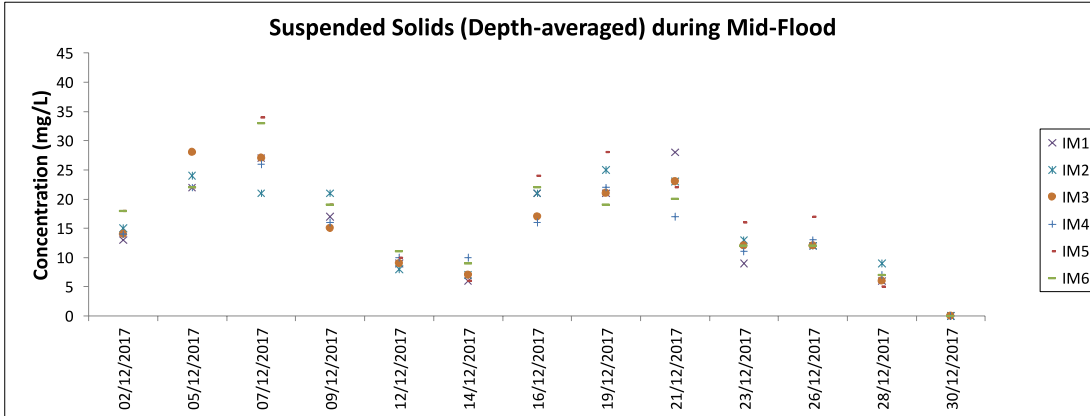
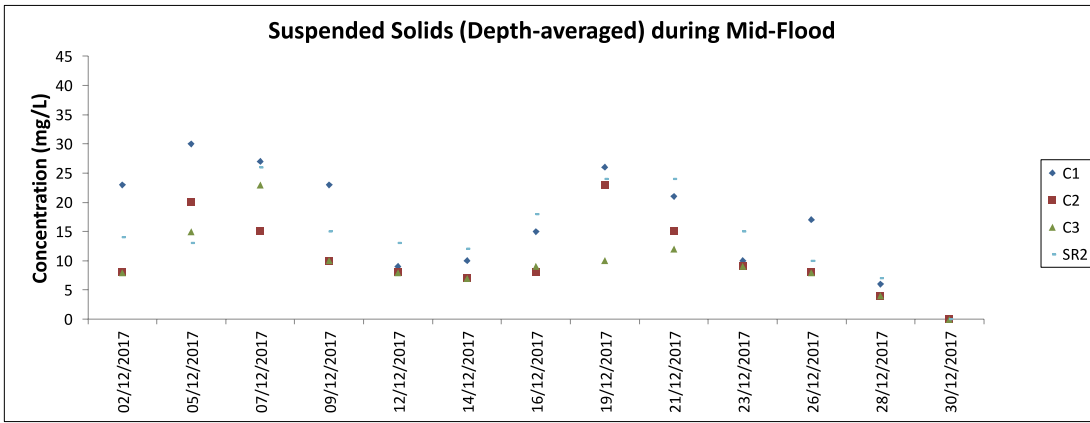




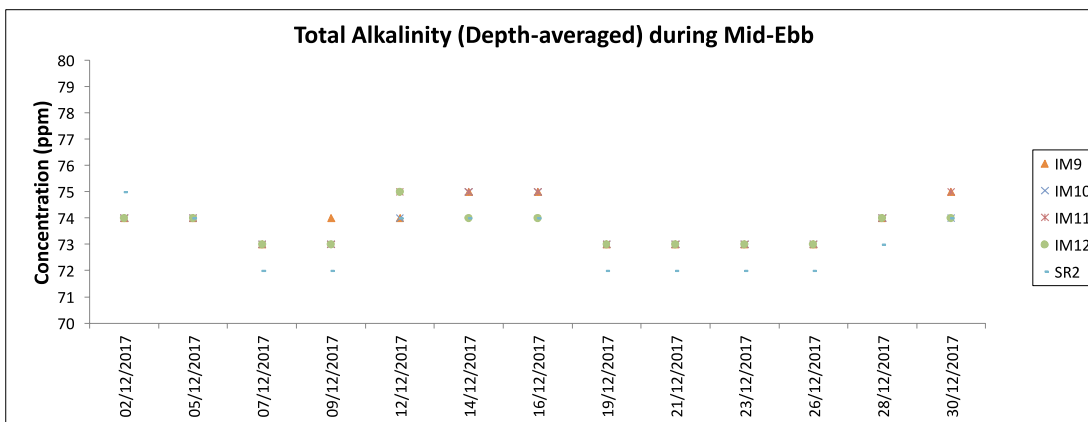
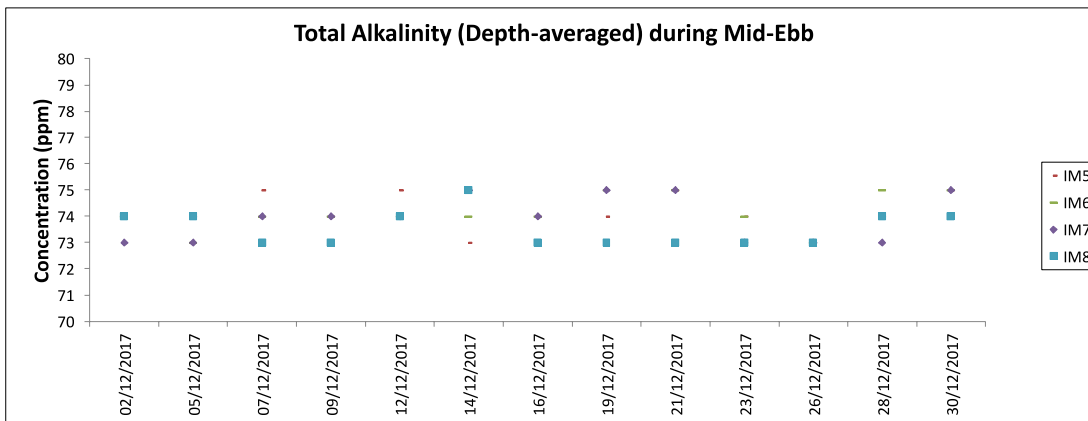
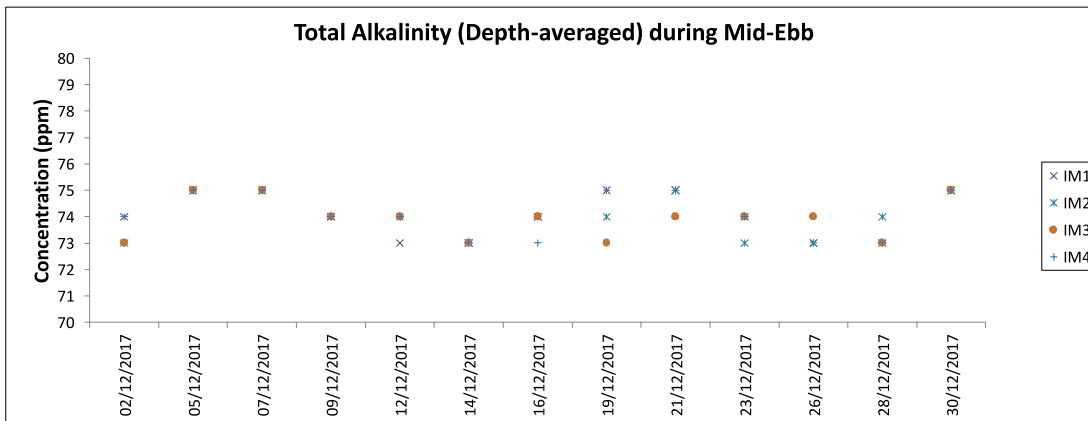
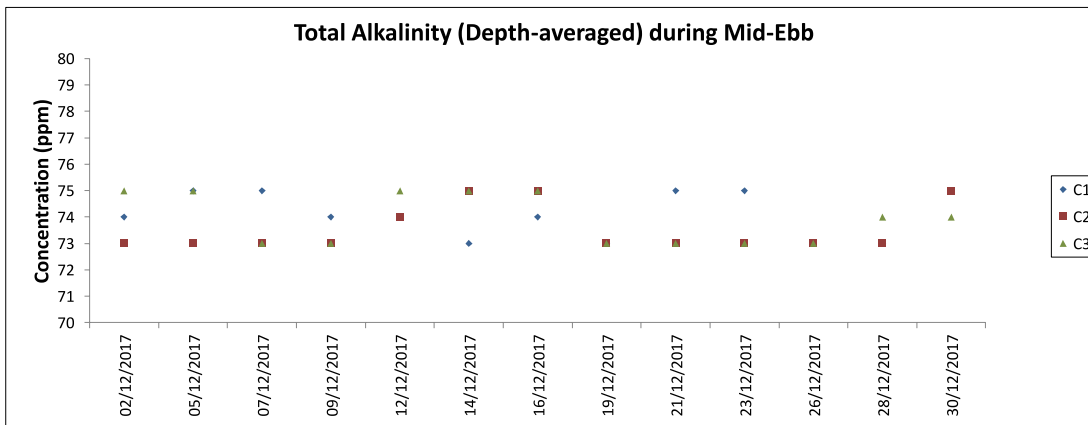




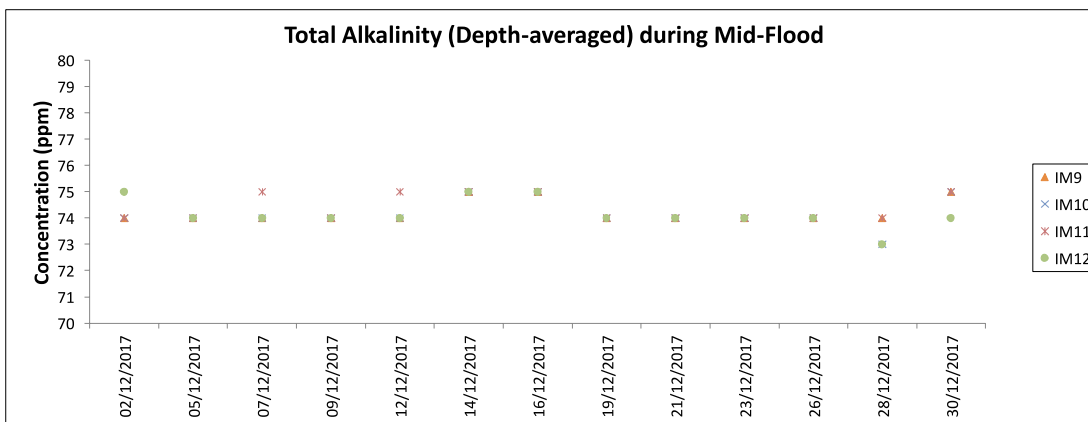
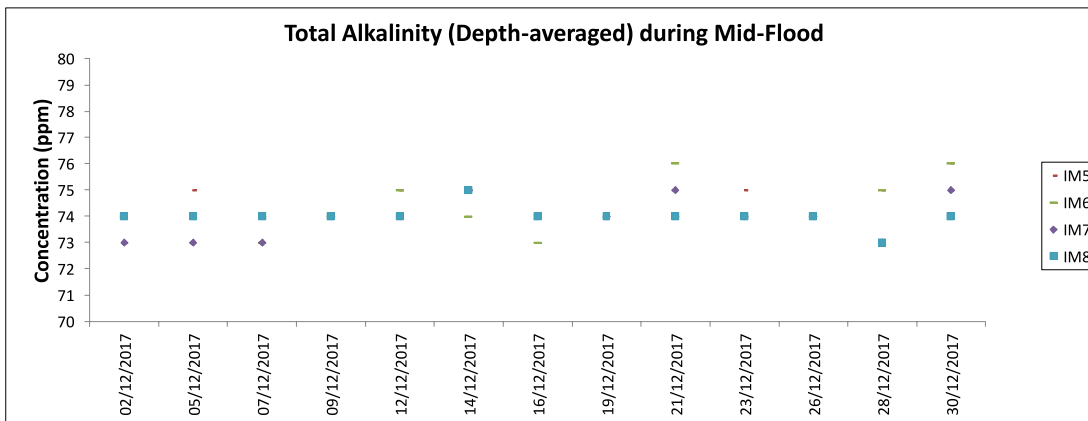
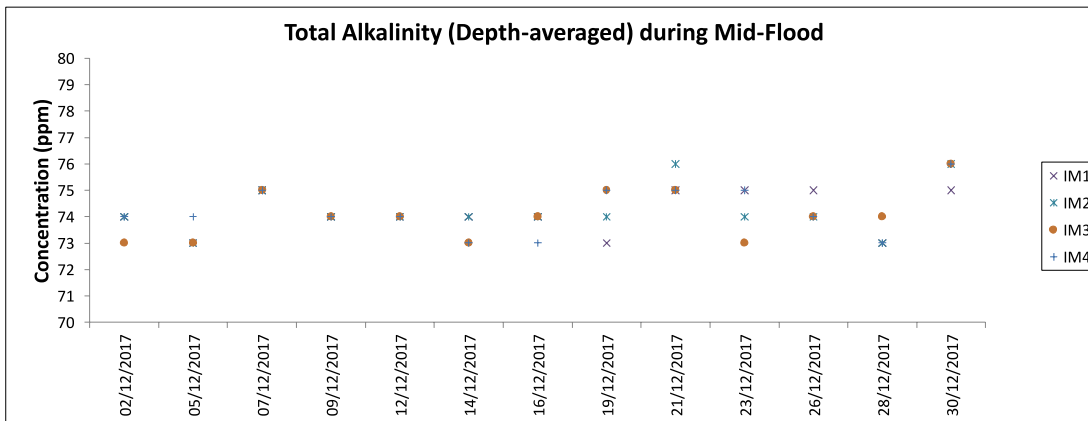
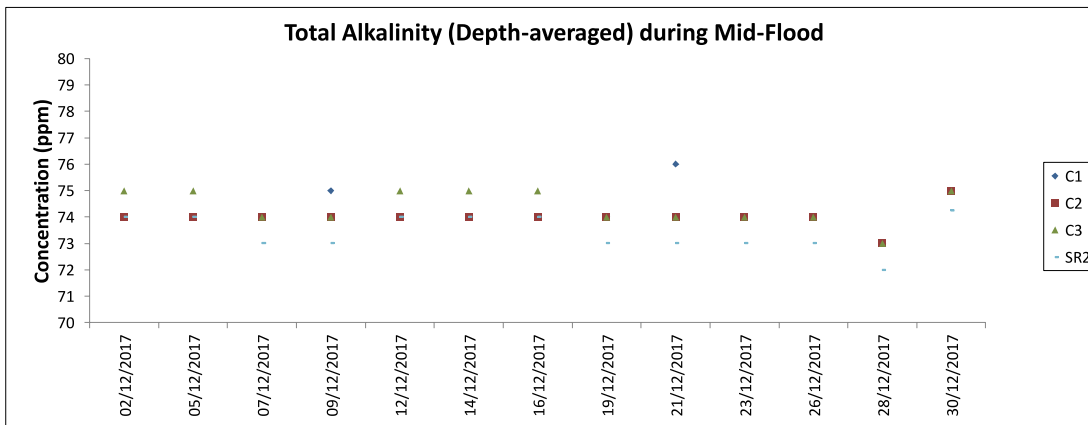
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



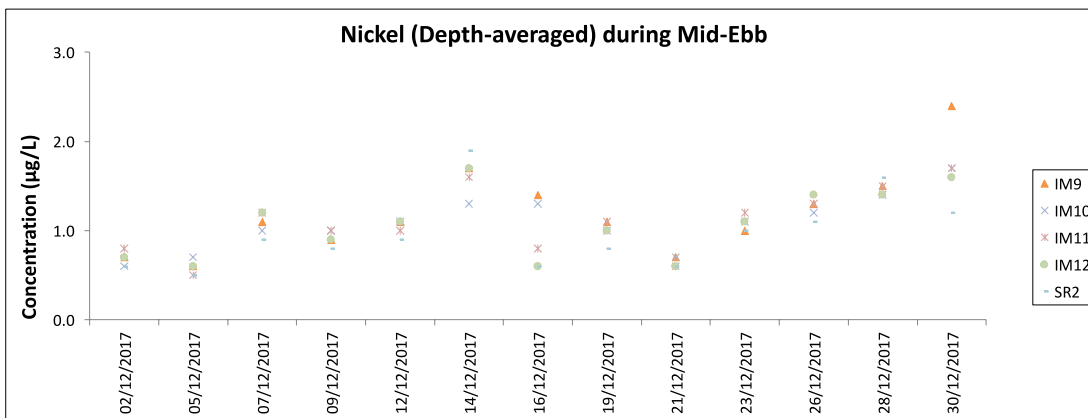
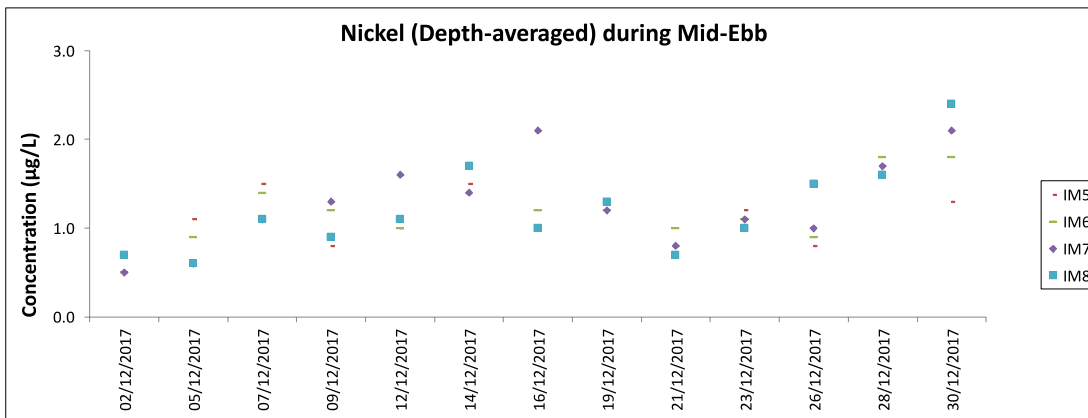
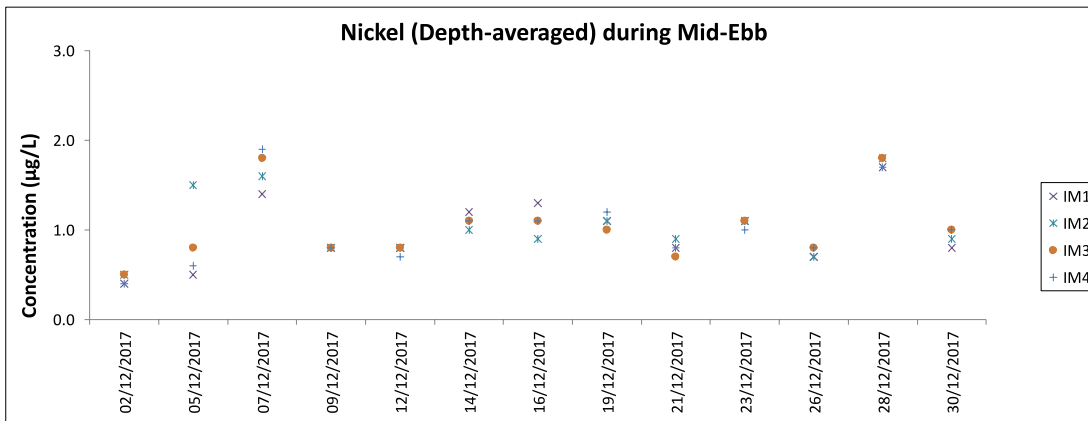
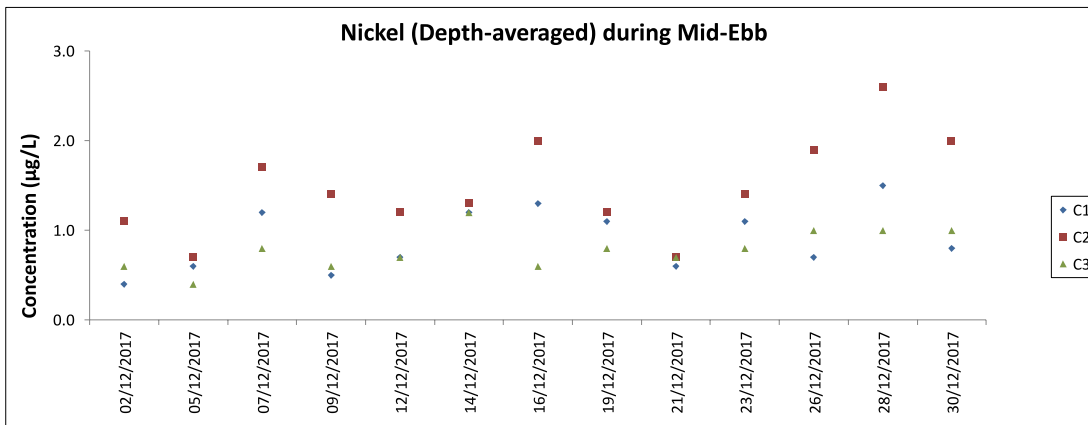
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



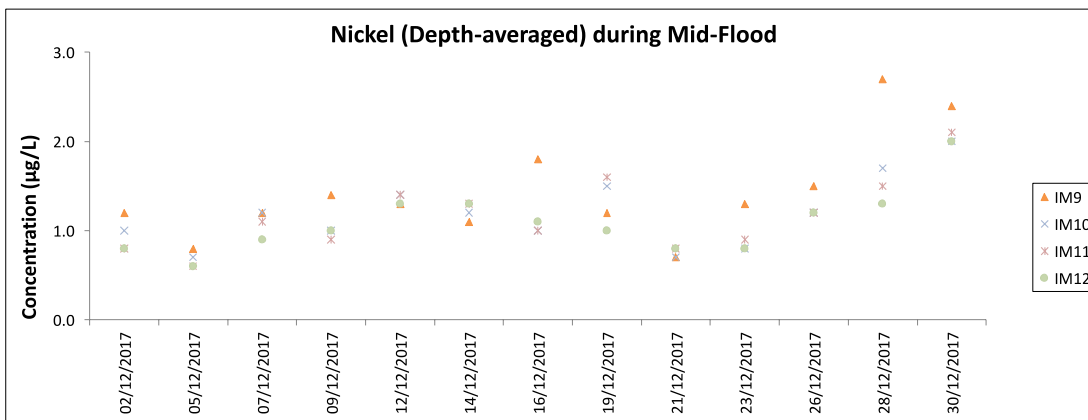
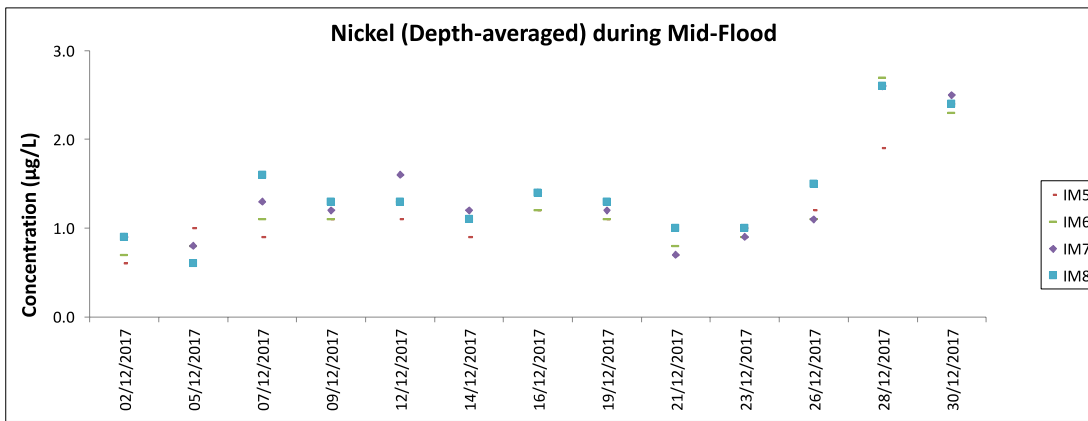
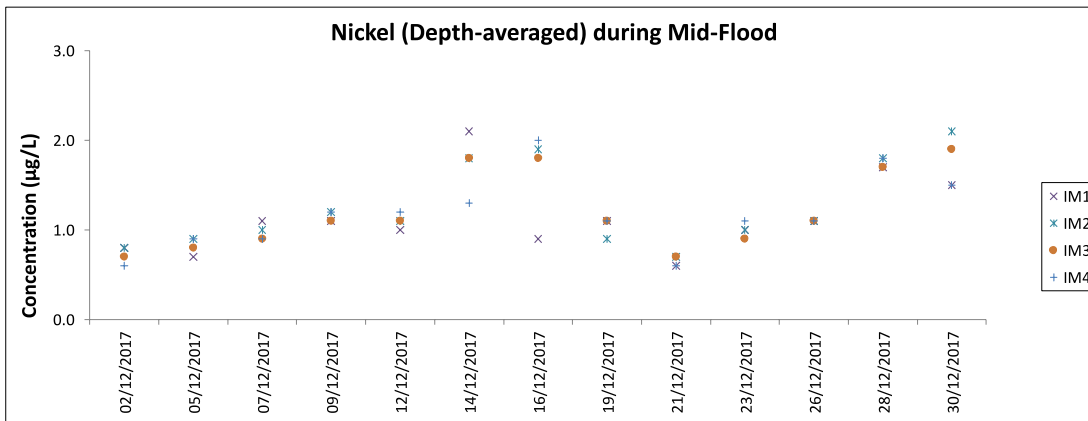
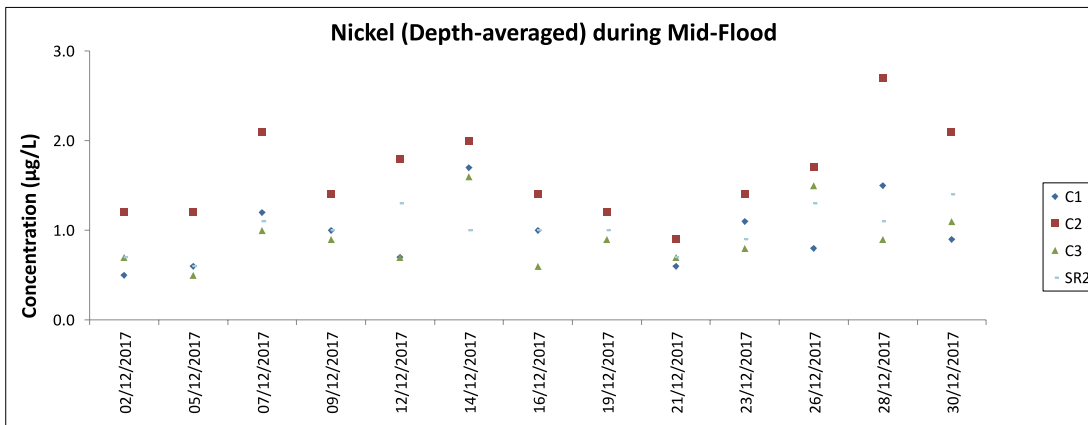
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



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



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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
09-Oct-17	NEL	2	12.420	AUTUMN	32166	3RS ET
09-Oct-17	NEL	3	30.880	AUTUMN	32166	3RS ET
09-Oct-17	NEL	4	3.500	AUTUMN	32166	3RS ET
18-Oct-17	NEL	2	43.800	AUTUMN	32166	3RS ET
18-Oct-17	NEL	3	3.000	AUTUMN	32166	3RS ET
19-Oct-17	SWL	2	3.260	AUTUMN	32166	3RS ET
19-Oct-17	SWL	3	32.800	AUTUMN	32166	3RS ET
19-Oct-17	SWL	4	26.700	AUTUMN	32166	3RS ET
23-Oct-17	SWL	2	19.370	AUTUMN	32166	3RS ET
23-Oct-17	SWL	3	41.060	AUTUMN	32166	3RS ET
23-Oct-17	SWL	4	2.300	AUTUMN	32166	3RS ET
24-Oct-17	NWL	2	35.250	AUTUMN	32166	3RS ET
24-Oct-17	NWL	3	39.850	AUTUMN	32166	3RS ET
25-Oct-17	NWL	1	2.320	AUTUMN	32166	3RS ET
25-Oct-17	NWL	2	48.270	AUTUMN	32166	3RS ET
25-Oct-17	NWL	3	23.420	AUTUMN	32166	3RS ET
26-Oct-17	AW	2	4.880	AUTUMN	32166	3RS ET
26-Oct-17	WL	2	25.367	AUTUMN	32166	3RS ET
26-Oct-17	WL	3	7.387	AUTUMN	32166	3RS ET
26-Oct-17	SWL	2	6.890	AUTUMN	32166	3RS ET
27-Oct-17	SWL	2	3.450	AUTUMN	32166	3RS ET
27-Oct-17	SWL	3	3.360	AUTUMN	32166	3RS ET
27-Oct-17	WL	2	5.730	AUTUMN	32166	3RS ET
27-Oct-17	WL	3	20.457	AUTUMN	32166	3RS ET
27-Oct-17	WL	4	7.333	AUTUMN	32166	3RS ET
27-Oct-17	AW	2	4.890	AUTUMN	32166	3RS ET
06-Nov-17	NEL	2	37.700	AUTUMN	32166	3RS ET
06-Nov-17	NEL	3	9.600	AUTUMN	32166	3RS ET
07-Nov-17	NWL	2	5.860	AUTUMN	32166	3RS ET
07-Nov-17	NWL	3	53.860	AUTUMN	32166	3RS ET
07-Nov-17	NWL	4	14.980	AUTUMN	32166	3RS ET
15-Nov-17	NWL	2	13.220	AUTUMN	32166	3RS ET
15-Nov-17	NWL	3	55.550	AUTUMN	32166	3RS ET
15-Nov-17	NWL	4	5.100	AUTUMN	32166	3RS ET
16-Nov-17	NEL	2	12.810	AUTUMN	32166	3RS ET
16-Nov-17	NEL	3	31.090	AUTUMN	32166	3RS ET
16-Nov-17	NEL	4	2.100	AUTUMN	32166	3RS ET
17-Nov-17	AW	2	2.920	AUTUMN	32166	3RS ET
17-Nov-17	AW	3	1.800	AUTUMN	32166	3RS ET
17-Nov-17	WL	1	1.082	AUTUMN	32166	3RS ET
17-Nov-17	WL	2	18.218	AUTUMN	32166	3RS ET
17-Nov-17	WL	3	1.660	AUTUMN	32166	3RS ET
17-Nov-17	WL	4	12.240	AUTUMN	32166	3RS ET
17-Nov-17	SWL	3	16.340	AUTUMN	32166	3RS ET
17-Nov-17	SWL	4	2.360	AUTUMN	32166	3RS ET
20-Nov-17	SWL	2	3.100	AUTUMN	32166	3RS ET
20-Nov-17	SWL	3	24.410	AUTUMN	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
20-Nov-17	SWL	4	22.590	AUTUMN	32166	3RS ET
21-Nov-17	AW	3	4.660	AUTUMN	32166	3RS ET
21-Nov-17	WL	2	1.000	AUTUMN	32166	3RS ET
21-Nov-17	WL	3	22.000	AUTUMN	32166	3RS ET
21-Nov-17	WL	4	10.500	AUTUMN	32166	3RS ET
21-Nov-17	SWL	2	3.860	AUTUMN	32166	3RS ET
21-Nov-17	SWL	3	12.600	AUTUMN	32166	3RS ET
21-Nov-17	SWL	4	2.190	AUTUMN	32166	3RS ET
22-Nov-17	SWL	3	4.100	AUTUMN	32166	3RS ET
22-Nov-17	SWL	4	18.741	AUTUMN	32166	3RS ET
22-Nov-17	SWL	5	27.459	AUTUMN	32166	3RS ET
06-Dec-17	NWL	2	38.557	WINTER	32166	3RS ET
06-Dec-17	NWL	3	33.211	WINTER	32166	3RS ET
07-Dec-17	AW	2	4.662	WINTER	32166	3RS ET
07-Dec-17	WL	2	8.193	WINTER	32166	3RS ET
07-Dec-17	WL	3	25.630	WINTER	32166	3RS ET
07-Dec-17	SWL	2	1.930	WINTER	32166	3RS ET
07-Dec-17	SWL	3	4.795	WINTER	32166	3RS ET
08-Dec-17	SWL	3	27.200	WINTER	32166	3RS ET
08-Dec-17	SWL	4	23.990	WINTER	32166	3RS ET
08-Dec-17	SWL	5	11.760	WINTER	32166	3RS ET
13-Dec-17	NEL	2	46.600	WINTER	32166	3RS ET
14-Dec-17	NWL	2	63.690	WINTER	32166	3RS ET
14-Dec-17	NWL	3	11.210	WINTER	32166	3RS ET
18-Dec-17	SWL	3	10.240	WINTER	32166	3RS ET
18-Dec-17	SWL	4	35.830	WINTER	32166	3RS ET
18-Dec-17	SWL	5	17.000	WINTER	32166	3RS ET
21-Dec-17	NEL	2	10.490	WINTER	32166	3RS ET
21-Dec-17	NEL	3	25.110	WINTER	32166	3RS ET
21-Dec-17	NEL	4	10.900	WINTER	32166	3RS ET
28-Dec-17	AW	2	4.810	WINTER	32166	3RS ET
28-Dec-17	WL	2	32.373	WINTER	32166	3RS ET
28-Dec-17	WL	3	0.910	WINTER	32166	3RS ET
28-Dec-17	SWL	2	5.346	WINTER	32166	3RS ET
28-Dec-17	SWL	3	1.280	WINTER	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. October and November 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.
19-Oct-17	1	1228	CWD	3	SWL	3	420	ON	3RS ET	22.2031	113.9085	AUTUMN	NONE
19-Oct-17	2	1351	CWD	4	SWL	3	176	ON	3RS ET	22.2053	113.9197	AUTUMN	GILLNET
19-Oct-17	3	1436	FP	1	SWL	3	11	ON	3RS ET	22.1671	113.9271	AUTUMN	NONE
23-Oct-17	1	1110	FP	2	SWL	3	105	ON	3RS ET	22.1654	113.9271	AUTUMN	NONE
23-Oct-17	2	1133	CWD	1	SWL	2	18	ON	3RS ET	22.2050	113.9222	AUTUMN	NONE
24-Oct-17	1	1114	CWD	3	NWL	2	1096	ON	3RS ET	22.3346	113.8782	AUTUMN	NONE
25-Oct-17	1	1126	CWD	5	NWL	2	178	ON	3RS ET	22.3628	113.8779	AUTUMN	NONE
25-Oct-17	2	1158	CWD	4	NWL	2	459	ON	3RS ET	22.3878	113.8775	AUTUMN	NONE
26-Oct-17	1	1024	CWD	6	WL	2	174	ON	3RS ET	22.2689	113.8519	AUTUMN	NONE
26-Oct-17	2	1052	CWD	5	WL	3	84	ON	3RS ET	22.2605	113.8508	AUTUMN	NONE
26-Oct-17	3	1116	CWD	2	WL	2	814	ON	3RS ET	22.2507	113.8338	AUTUMN	GILLNET
26-Oct-17	4	1142	CWD	2	WL	3	396	ON	3RS ET	22.2413	113.8383	AUTUMN	NONE
26-Oct-17	5	1206	CWD	3	WL	3	427	ON	3RS ET	22.2410	113.8320	AUTUMN	NONE
26-Oct-17	6	1233	CWD	3	WL	3	199	ON	3RS ET	22.2323	113.8309	AUTUMN	NONE
26-Oct-17	7	1301	CWD	6	WL	2	916	ON	3RS ET	22.2237	113.8239	AUTUMN	SHRIMP TRAWLER
26-Oct-17	8	1326	CWD	4	WL	2	67	ON	3RS ET	22.2140	113.8143	AUTUMN	NONE
26-Oct-17	9	1410	CWD	4	WL	2	57	ON	3RS ET	22.1962	113.8343	AUTUMN	NONE
26-Oct-17	10	1511	CWD	2	SWL	2	143	ON	3RS ET	22.1987	113.8593	AUTUMN	NONE
27-Oct-17	1	1236	CWD	5	WL	3	35	ON	3RS ET	22.2415	113.8334	AUTUMN	NONE
27-Oct-17	2	1304	CWD	4	WL	3	257	ON	3RS ET	22.2508	113.8474	AUTUMN	NONE
27-Oct-17	3	1402	CWD	1	WL	2	320	ON	3RS ET	22.2886	113.8613	AUTUMN	NONE
07-Nov-17	1	1211	CWD	3	NWL	3	5	ON	3RS ET	22.3622	113.8877	AUTUMN	NONE
15-Nov-17	1	0946	CWD	6	NWL	2	594	ON	3RS ET	22.3850	113.8683	AUTUMN	NONE
15-Nov-17	2	1314	CWD	1	NWL	3	4	ON	3RS ET	22.3705	113.8983	AUTUMN	NONE
17-Nov-17	1	1053	CWD	4	WL	2	668	ON	3RS ET	22.2504	113.8432	AUTUMN	NONE
20-Nov-17	1	1154	FP	2	SWL	3	122	ON	3RS ET	22.1564	113.9180	AUTUMN	NONE
21-Nov-17	1	0936	CWD	5	AW	3	46	ON	3RS ET	22.3009	113.8862	AUTUMN	NONE
21-Nov-17	2	1324	CWD	2	SWL	3	142	ON	3RS ET	22.1785	113.8689	AUTUMN	NONE
22-Nov-17	1	1121	CWD	2	SWL	3	21	ON	3RS ET	22.2048	113.9271	AUTUMN	NONE
06-Dec-17	1	1031	CWD	12	NWL	3	630	ON	3RS ET	22.2881	113.8684	WINTER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
06-Dec-17	2	1113	CWD	4	NWL	3	100	ON	3RS ET	22.2719	113.8692	WINTER	NONE
06-Dec-17	3	1132	CWD	7	NWL	2	137	ON	3RS ET	22.2727	113.8733	WINTER	NONE
06-Dec-17	4	1236	CWD	5	NWL	3	494	ON	3RS ET	22.3596	113.8777	WINTER	NONE
06-Dec-17	5	1350	CWD	3	NWL	2	13	ON	3RS ET	22.3551	113.8848	WINTER	NONE
07-Dec-17	1	0929	CWD	5	AW	2	145	ON	3RS ET	22.3023	113.8765	WINTER	NONE
07-Dec-17	2	1058	CWD	3	WL	2	146	ON	3RS ET	22.2694	113.8601	WINTER	NONE
07-Dec-17	3	1126	CWD	1	WL	2	46	ON	3RS ET	22.2653	113.8580	WINTER	NONE
07-Dec-17	4	1238	CWD	3	WL	3	194	ON	3RS ET	22.2204	113.8146	WINTER	NONE
07-Dec-17	5	1407	CWD	2	WL	3	530	ON	3RS ET	22.1855	113.8498	WINTER	NONE
08-Dec-17	1	1213	FP	1	SWL	3	61	ON	3RS ET	22.1481	113.9173	WINTER	NONE
08-Dec-17	2	1258	CWD	1	SWL	5	343	ON	3RS ET	22.2053	113.9070	WINTER	NONE
14-Dec-17	1	1204	CWD	7	NWL	2	765	ON	3RS ET	22.3952	113.8884	WINTER	NONE
14-Dec-17	2	1327	CWD	2	NWL	3	127	ON	3RS ET	22.3888	113.8974	WINTER	NONE
18-Dec-17	1	1056	FP	2	SWL	4	135	ON	3RS ET	22.1511	113.9358	WINTER	NONE
28-Dec-17	1	1044	CWD	1	WL	3	216	ON	3RS ET	22.2559	113.8364	WINTER	NONE
28-Dec-17	2	1102	CWD	3	WL	2	34	ON	3RS ET	22.2541	113.8354	WINTER	NONE
28-Dec-17	3	1146	CWD	4	WL	2	82	ON	3RS ET	22.2318	113.8249	WINTER	NONE
28-Dec-17	4	1244	CWD	4	WL	2	106	ON	3RS ET	22.2146	113.8276	WINTER	NONE
28-Dec-17	5	1303	CWD	3	WL	2	100	ON	3RS ET	22.2055	113.8302	WINTER	NONE
28-Dec-17	6	1322	CWD	2	WL	2	306	ON	3RS ET	22.2024	113.8215	WINTER	NONE
28-Dec-17	7	1332	CWD	3	WL	2	N/A	OFF	3RS ET	22.2030	113.8213	WINTER	NONE
28-Dec-17	8	1428	CWD	3	SWL	2	1182	ON	3RS ET	22.1918	113.8586	WINTER	NONE

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. October and November 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 December 2017 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 356.237 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 19 on-effort sightings and total number of 74 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in December 2017 are shown as below:

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

$$STG = \frac{19}{356.237} \times 100 = 5.33$$

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

$$ANI = \frac{74}{356.237} \times 100 = 20.77$$

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

A total of 1111.788 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 45 on-effort sightings and total number of 164 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)









$$STG = \frac{45}{1111.788} \times 100 = 4.05$$

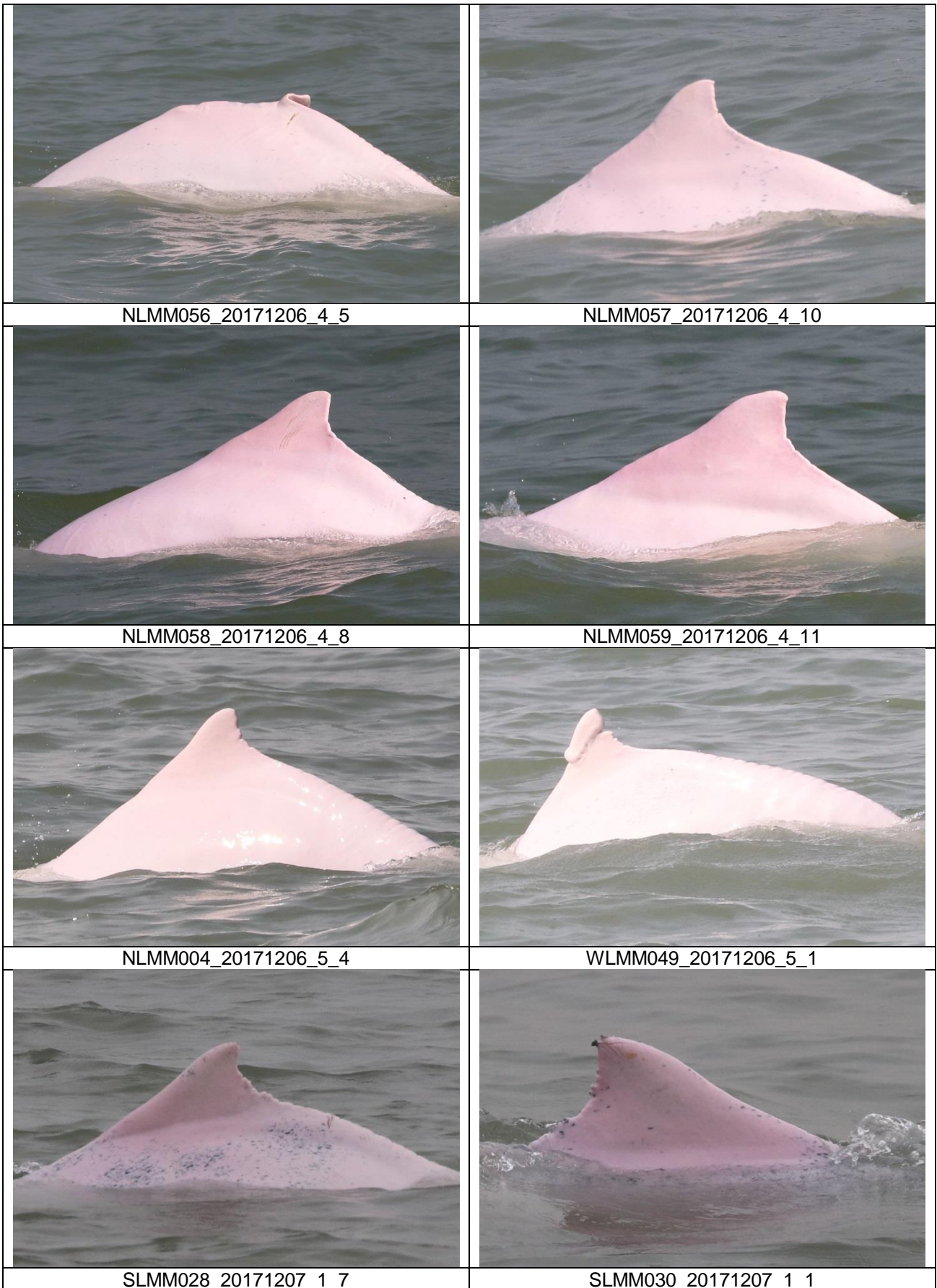
Running Quarterly Encounter Rate by Number of Dolphins (ANI)









$$ANI = \frac{164}{1111.788} \times 100 = 14.75$$

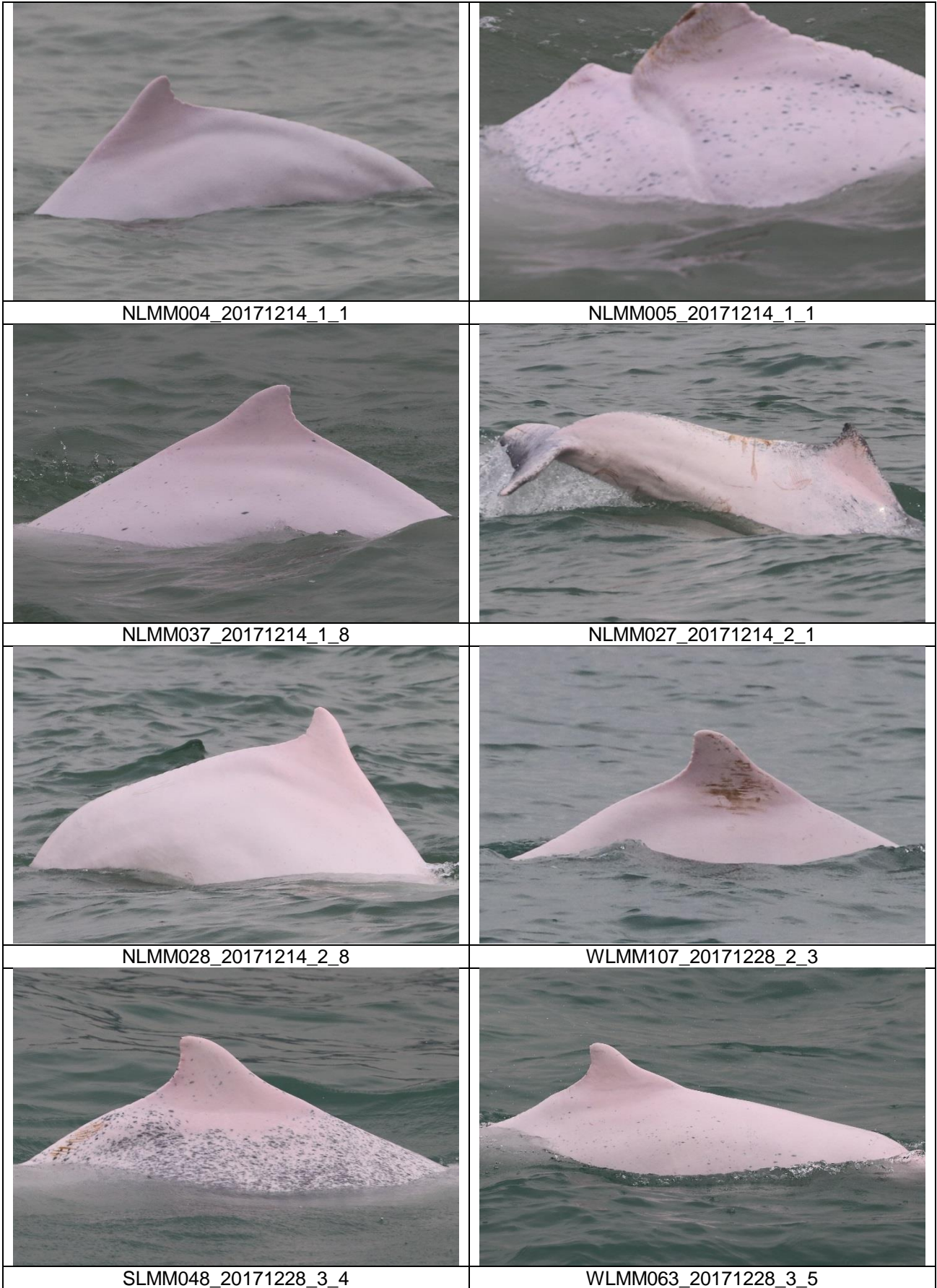
CWD Small Vessel Line-transect Survey

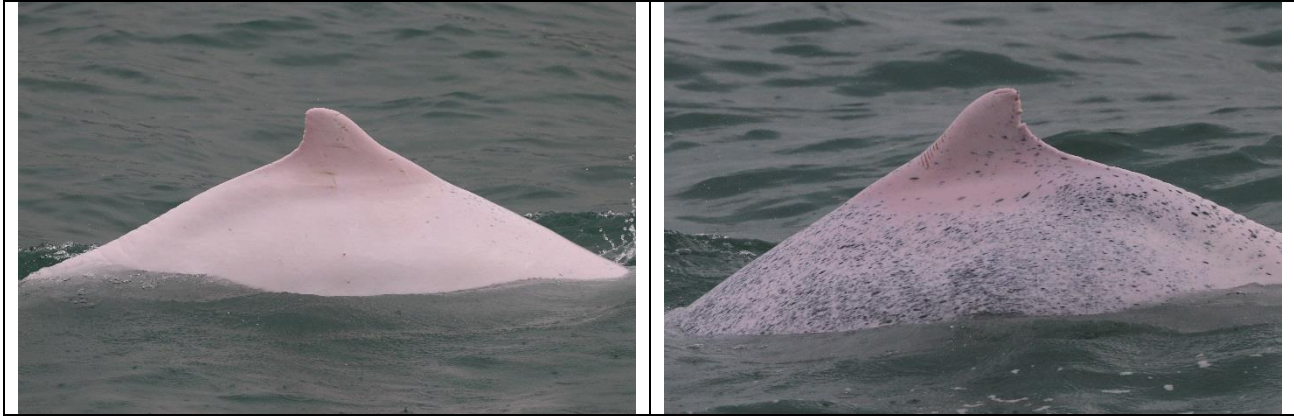
Photo Identification

	
NLMM055_20171206_1_2	WLMM064_20171206_1_2
	
WLMM071_20171206_1_4	SLMM053_20171206_2_3
	
SLMM028_20171206_3_3	SLMM030_20171206_3_2
	
WLMM026_20171206_3_2	WLMM027_20171206_3_2



	
WLMM001_20171207_2_7	NLMM016_20171207_3_2
	
SLMM049_20171207_4_3	WLMM007_20171207_4_1
	
SLMM014_20171207_5_8	SLMM018_20171207_5_1
	
SLMM014_20171208_2_2	NLMM002_20171214_1_3





WLMM107_20171228_3_11

SLMM052_20171228_8_7

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
5/Dec/17	Sha Chau	8:38	14:38	6:00	2-3	3	0	N/A
11/Dec/17	Lung Kwu Chau	8:41	14:41	6:00	2-4	3	6	1-5
15/Dec/17	Lung Kwu Chau	8:40	14:40	6:00	2-3	2-3	6	2-4
28/Dec/17	Sha Chau	9:01	15:01	6:00	2	2-3	0	N/A
29/Dec/17	Lung Kwu Chau	9:09	15:09	6:00	2-3	3	4	1-3

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

