

Appendix C. Monitoring Results

Air Quality Monitoring Results

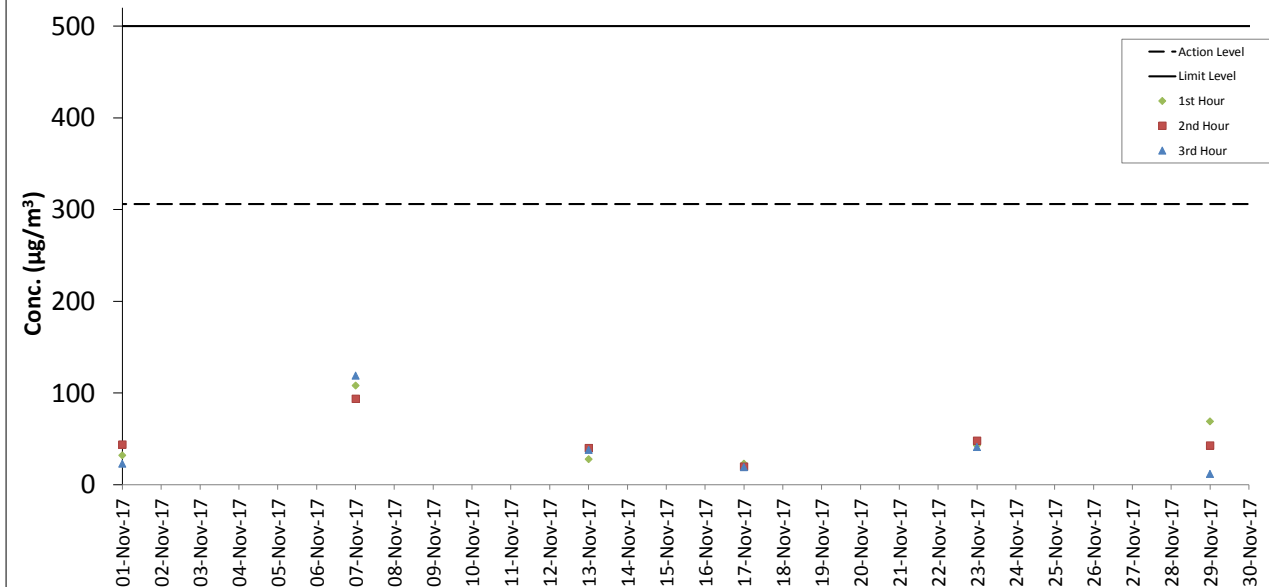
1-hour TSP Results**Station: AR1A- Man Tung Road Park**

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 ($\mu\text{g}/\text{m}^3$)
01-Nov-17	13:00	Sunny	1.6	323	32	306	500
01-Nov-17	14:00	Sunny	2.9	310	44	306	500
01-Nov-17	15:00	Sunny	4.0	286	23	306	500
07-Nov-17	14:15	Cloudy	6.2	327	108	306	500
07-Nov-17	15:15	Cloudy	6.8	323	94	306	500
07-Nov-17	16:15	Cloudy	5.6	314	119	306	500
13-Nov-17	13:00	Cloudy	3.1	360	28	306	500
13-Nov-17	14:00	Cloudy	2.0	51	40	306	500
13-Nov-17	15:00	Cloudy	1.4	37	38	306	500
17-Nov-17	13:00	Sunny	4.0	327	23	306	500
17-Nov-17	14:00	Sunny	3.2	297	20	306	500
17-Nov-17	15:00	Sunny	3.1	281	19	306	500
23-Nov-17	13:18	Sunny	5.0	352	43	306	500
23-Nov-17	14:18	Sunny	6.5	348	48	306	500
23-Nov-17	15:18	Sunny	6.0	351	41	306	500
29-Nov-17	13:04	Fine	2	334	69	306	500
29-Nov-17	14:04	Fine	1.7	282	43	306	500
29-Nov-17	15:04	Fine	4.0	81	12	306	500

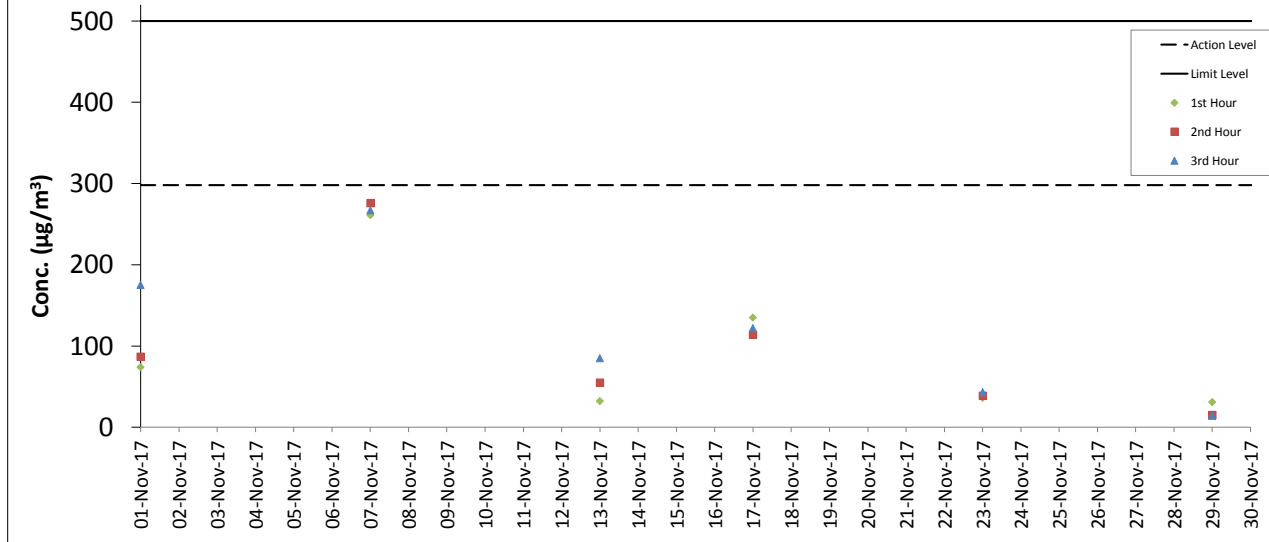
1-hour TSP Results**Station: AR2- Village House, Tin Sum**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
01-Nov-17	09:00	Sunny	3.5	57	74	298	500
01-Nov-17	10:00	Sunny	2.8	48	87	298	500
01-Nov-17	11:00	Sunny	1.6	6	175	298	500
07-Nov-17	09:00	Cloudy	3.1	359	261	298	500
07-Nov-17	10:00	Cloudy	2.9	356	276	298	500
07-Nov-17	11:00	Cloudy	3.0	350	267	298	500
13-Nov-17	08:55	Cloudy	5.1	100	32	298	500
13-Nov-17	09:55	Cloudy	5.5	86	55	298	500
13-Nov-17	10:55	Cloudy	4.1	29	85	298	500
17-Nov-17	09:00	Fine	5.3	67	135	298	500
17-Nov-17	10:00	Fine	5.2	80	114	298	500
17-Nov-17	11:00	Fine	4.8	111	122	298	500
23-Nov-17	09:00	Sunny	5.4	10	36	298	500
23-Nov-17	10:00	Sunny	5.9	10	39	298	500
23-Nov-17	11:00	Sunny	5.9	358	43	298	500
29-Nov-17	08:55	Fine	4.6	86	31	298	500
29-Nov-17	09:55	Fine	1.9	45	15	298	500
29-Nov-17	10:55	Fine	3.7	74	14	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 _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₉₀ dB(A)	
01-Nov-17	Sunny	13:20	72.5	58.0	73
01-Nov-17	Sunny	13:25	73.0	59.0	
01-Nov-17	Sunny	13:30	71.0	58.0	
01-Nov-17	Sunny	13:35	72.5	58.0	
01-Nov-17	Sunny	13:40	73.0	56.5	
01-Nov-17	Sunny	13:45	75.0	56.5	
07-Nov-17	Fine	14:25	71.5	57.5	71
07-Nov-17	Fine	14:30	72.5	59.0	
07-Nov-17	Fine	14:35	73.5	58.5	
07-Nov-17	Fine	14:40	70.5	57.5	
07-Nov-17	Fine	14:45	72.0	56.5	
07-Nov-17	Fine	14:50	69.5	57.0	
13-Nov-17	Cloudy	13:06	72.0	54.5	72
13-Nov-17	Cloudy	13:11	73.0	56.5	
13-Nov-17	Cloudy	13:16	72.0	55.5	
13-Nov-17	Cloudy	13:21	72.5	55.5	
13-Nov-17	Cloudy	13:26	72.5	55.0	
13-Nov-17	Cloudy	13:31	72.0	56.5	
23-Nov-17	Sunny	13:30	73.0	55.0	72
23-Nov-17	Sunny	13:35	72.5	56.5	
23-Nov-17	Sunny	13:40	72.5	58.5	
23-Nov-17	Sunny	13:45	72.0	57.5	
23-Nov-17	Sunny	13:50	71.5	56.5	
23-Nov-17	Sunny	13:55	71.5	55.0	
29-Nov-17	Fine	13:14	71.5	55.0	71
29-Nov-17	Fine	13:19	72.5	55.5	
29-Nov-17	Fine	13:24	72.0	55.5	
29-Nov-17	Fine	13:29	71.5	55.0	
29-Nov-17	Fine	13:34	71.5	56.0	
29-Nov-17	Fine	13:39	72.0	56.5	

Remarks:

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

Noise Measurement Results

Station: NM3A- Site Office

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₉₀ dB(A)	
01-Nov-17	Sunny	09:05	68.0	58.5	57
01-Nov-17	Sunny	09:10	66.0	58.5	
01-Nov-17	Sunny	09:15	66.5	59.0	
01-Nov-17	Sunny	09:20	68.5	59.5	
01-Nov-17	Sunny	09:25	67.5	58.5	
01-Nov-17	Sunny	09:30	67.5	58.5	
07-Nov-17	Fine	09:24	69.0	60.0	63
07-Nov-17	Fine	09:29	69.0	59.5	
07-Nov-17	Fine	09:34	69.5	60.0	
07-Nov-17	Fine	09:39	67.0	59.5	
07-Nov-17	Fine	09:44	70.5	60.5	
07-Nov-17	Fine	09:49	69.5	60.0	
13-Nov-17	Cloudy	10:58	69.5	59.5	61
13-Nov-17	Cloudy	11:03	65.5	60.0	
13-Nov-17	Cloudy	11:08	63.0	59.0	
13-Nov-17	Cloudy	11:13	70.5	59.5	
13-Nov-17	Cloudy	11:18	67.5	59.5	
13-Nov-17	Cloudy	11:23	68.0	59.0	
23-Nov-17	Fine	09:20	68.0	60.0	61
23-Nov-17	Fine	09:25	68.5	60.0	
23-Nov-17	Fine	09:30	69.0	60.0	
23-Nov-17	Fine	09:35	68.0	60.0	
23-Nov-17	Fine	09:40	71.0	59.5	
23-Nov-17	Fine	09:45	69.5	59.5	
29-Nov-17	Fine	11:12	70.0	59.5	57
29-Nov-17	Fine	11:17	66.5	59.0	
29-Nov-17	Fine	11:22	67.0	59.0	
29-Nov-17	Fine	11:27	67.0	59.0	
29-Nov-17	Fine	11:32	66.5	59.0	
29-Nov-17	Fine	11:37	67.5	59.0	

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Won Primary School

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₉₀ dB(A)	
01-Nov-17	Sunny	14:25	64.5	60.0	65
01-Nov-17	Sunny	14:30	64.0	60.5	
01-Nov-17	Sunny	14:35	63.5	59.5	
01-Nov-17	Sunny	14:40	64.0	59.5	
01-Nov-17	Sunny	14:45	64.5	60.5	
01-Nov-17	Sunny	14:50	63.5	60.0	
07-Nov-17	Cloudy	13:50	64.5	60.5	66
07-Nov-17	Cloudy	13:55	64.0	60.0	
07-Nov-17	Cloudy	14:00	62.5	60.0	
07-Nov-17	Cloudy	14:05	65.0	60.5	
07-Nov-17	Cloudy	14:10	66.0	60.0	
07-Nov-17	Cloudy	14:15	65.5	60.5	
13-Nov-17	Cloudy	13:45	63.0	59.5	65
13-Nov-17	Cloudy	13:50	63.0	59.0	
13-Nov-17	Cloudy	13:55	62.5	58.0	
13-Nov-17	Cloudy	14:00	61.5	58.5	
13-Nov-17	Cloudy	14:05	61.5	58.0	
13-Nov-17	Cloudy	14:10	62.0	58.0	
23-Nov-17	Sunny	13:30	65.0	61.5	64
23-Nov-17	Sunny	13:35	66.5	61.5	
23-Nov-17	Sunny	13:40	66.0	61.5	
23-Nov-17	Sunny	13:45	67.0	62.5	
23-Nov-17	Sunny	13:50	66.5	62.0	
23-Nov-17	Sunny	13:55	66.5	62.0	
29-Nov-17	Fine	13:45	68.0	63.0	60
29-Nov-17	Fine	13:50	68.0	60.5	
29-Nov-17	Fine	13:55	65.0	60.0	
29-Nov-17	Fine	14:00	63.5	60.0	
29-Nov-17	Fine	14:05	63.5	60.5	
29-Nov-17	Fine	14:10	64.0	60.0	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A)
			L ₁₀ dB(A)	L ₉₀ dB(A)	
01-Nov-17	Sunny	10:00	65.0	49.0	61
01-Nov-17	Sunny	10:05	56.5	48.5	
01-Nov-17	Sunny	10:10	55.0	48.0	
01-Nov-17	Sunny	10:15	64.0	49.5	
01-Nov-17	Sunny	10:20	62.5	49.5	
01-Nov-17	Sunny	10:25	55.0	48.0	
07-Nov-17	Cloudy	09:55	63.0	49.0	59
07-Nov-17	Cloudy	10:00	56.0	48.5	
07-Nov-17	Cloudy	10:05	56.0	48.5	
07-Nov-17	Cloudy	10:10	57.5	49.0	
07-Nov-17	Cloudy	10:15	53.5	48.5	
07-Nov-17	Cloudy	10:20	58.5	49.5	
13-Nov-17	Cloudy	09:55	61.0	48.5	53
13-Nov-17	Cloudy	10:00	59.0	48.5	
13-Nov-17	Cloudy	10:05	57.0	48.5	
13-Nov-17	Cloudy	10:10	53.0	48.0	
13-Nov-17	Cloudy	10:15	57.0	48.5	
13-Nov-17	Cloudy	10:20	64.0	48.0	
23-Nov-17	Sunny	10:10	71.5	52.5	66
23-Nov-17	Sunny	10:15	59.0	51.0	
23-Nov-17	Sunny	10:20	70.0	53.0	
23-Nov-17	Sunny	10:25	60.0	53.0	
23-Nov-17	Sunny	10:30	69.5	51.5	
23-Nov-17	Sunny	10:35	65.0	54.5	
29-Nov-17	Fine	09:45	65.0	53.0	57
29-Nov-17	Fine	09:50	59.0	53.0	
29-Nov-17	Fine	09:55	61.5	52.0	
29-Nov-17	Fine	10:00	58.5	52.0	
29-Nov-17	Fine	10:05	54.5	50.0	
29-Nov-17	Fine	10:10	57.5	52.0	

Remarks:

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

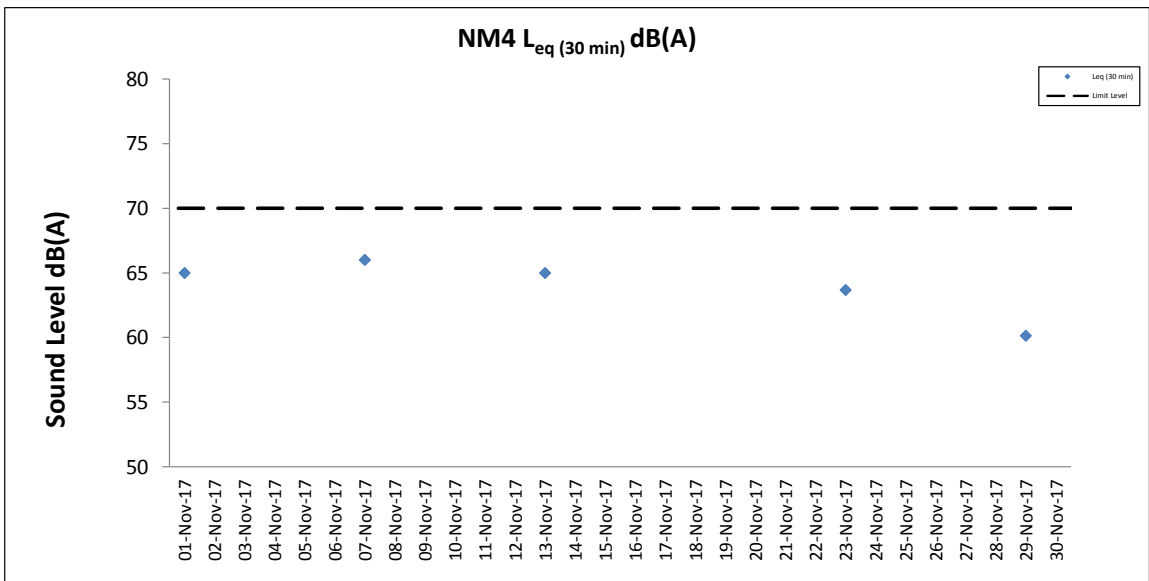
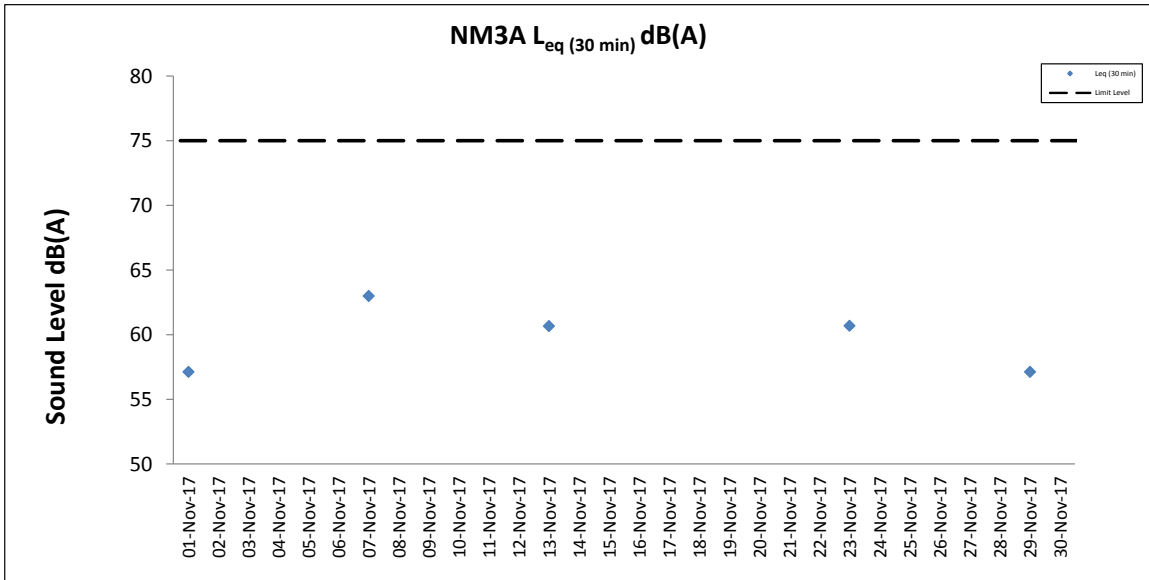
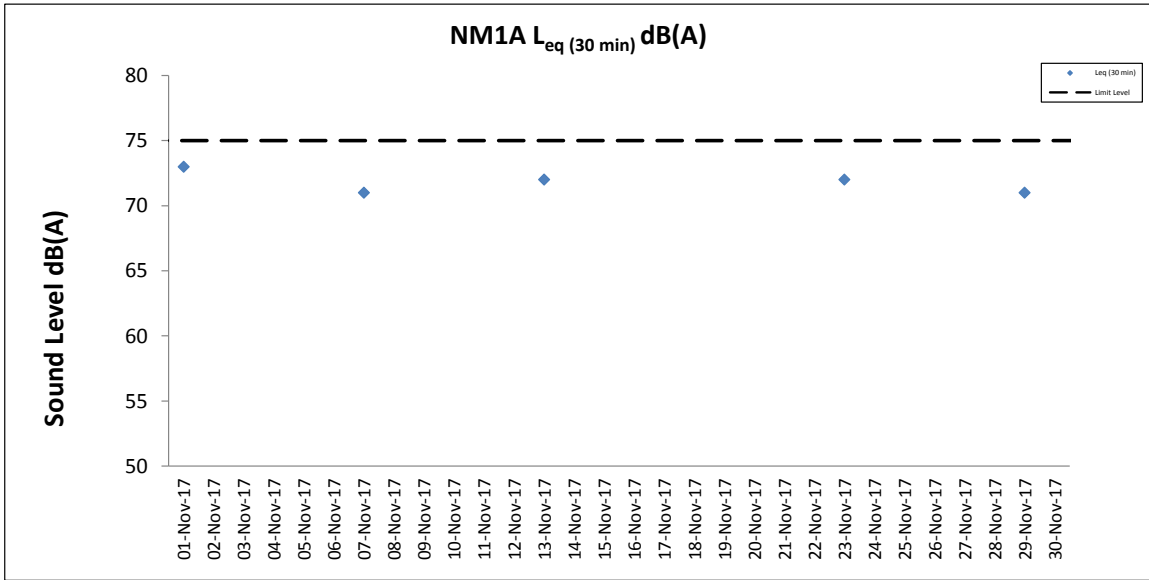
Noise Measurement Results

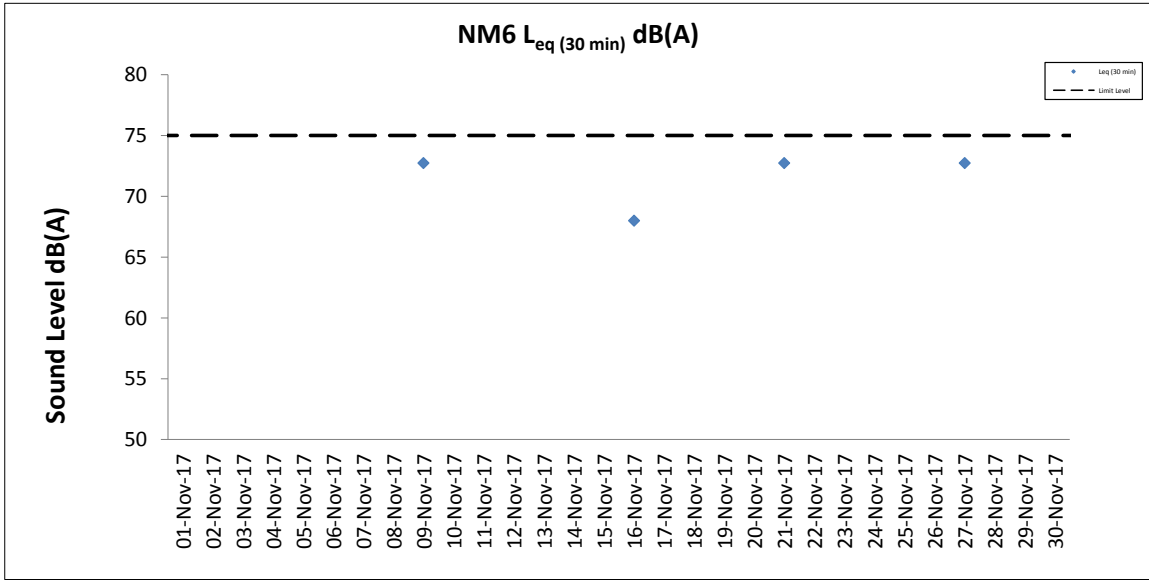
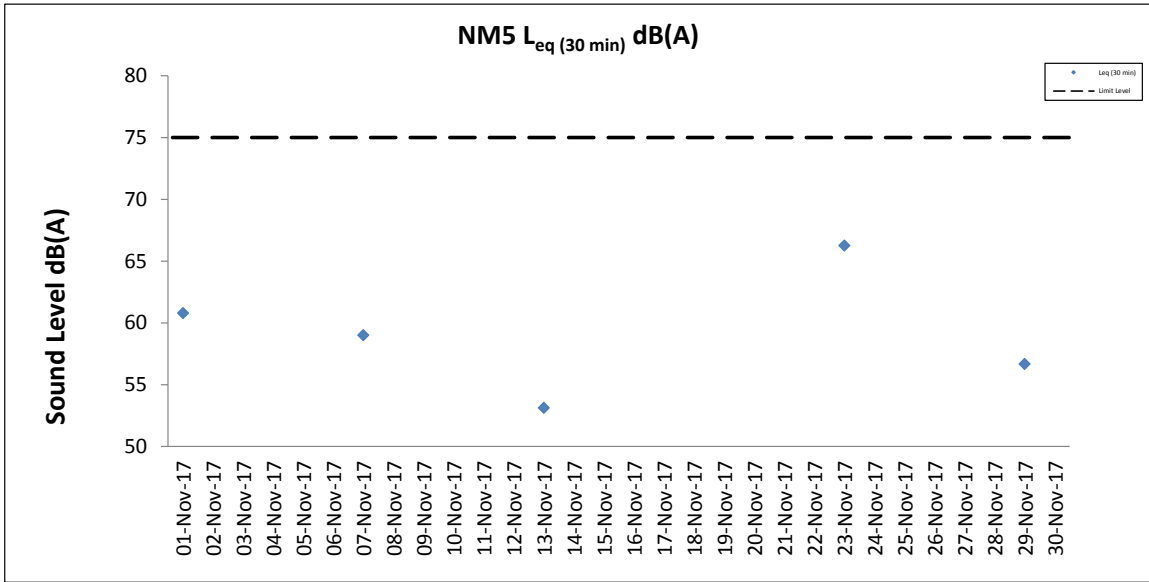
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
09-Nov-17	Sunny	09:40	77.0	57.5	73
09-Nov-17	Sunny	09:45	76.0	57.0	
09-Nov-17	Sunny	09:50	74.5	58.5	
09-Nov-17	Sunny	09:55	74.5	58.5	
09-Nov-17	Sunny	10:00	76.5	59.0	
09-Nov-17	Sunny	10:05	75.5	59.5	
16-Nov-17	Sunny	09:46	67.0	53.5	68
16-Nov-17	Sunny	09:51	65.0	52.5	
16-Nov-17	Sunny	09:56	69.5	54.5	
16-Nov-17	Sunny	10:01	68.0	52.5	
16-Nov-17	Sunny	10:06	67.5	53.5	
16-Nov-17	Sunny	10:11	72.0	59.0	
21-Nov-17	Cloudy	09:40	77.0	57.5	73
21-Nov-17	Cloudy	09:45	74.5	57.0	
21-Nov-17	Cloudy	09:50	73.5	58.0	
21-Nov-17	Cloudy	09:55	77.5	62.0	
21-Nov-17	Cloudy	10:00	74.5	60.0	
21-Nov-17	Cloudy	10:05	75.0	63.5	
27-Nov-17	Cloudy	09:42	75.0	65.5	73
27-Nov-17	Cloudy	09:47	73.5	66.0	
27-Nov-17	Cloudy	09:52	76.0	62.5	
27-Nov-17	Cloudy	09:57	72.0	60.5	
27-Nov-17	Cloudy	10:02	75.0	55.5	
27-Nov-17	Cloudy	10:07	73.5	56.0	

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 November 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	11:20	8.8	Surface	1.0	0.3	206	25.3	8.0	8.0	33.0	33.0	96.6	96.6	6.6	6.6	9.2	6.6	10	95	95	95	815603	804245	<0.2	<0.2	0.5	0.4							
						1.0	0.3	215	25.3	25.3	8.0	8.0	33.0	33.0	96.5	96.5	6.6	6.6	9.2	6.6	10	95	95	95	<0.2	<0.2	0.5	0.4								
						4.4	0.3	212	25.0	25.0	8.0	8.0	33.0	33.0	95.1	95.2	6.5	6.5	11.4	6.5	12	92	92	92	<0.2	<0.2	0.4	0.4								
					4.4	0.3	220	25.0	25.0	8.0	8.0	33.0	33.0	95.2	95.2	6.5	6.5	11.7	6.5	10	93	93	93	<0.2	<0.2	0.4	0.4									
					7.8	0.2	230	25.0	25.0	8.0	8.0	33.0	33.0	96.9	96.9	6.6	6.6	15.1	6.6	12	97	97	97	<0.2	<0.2	0.4	0.4									
					7.8	0.2	244	25.0	25.0	8.0	8.0	33.0	33.0	97.6	97.3	6.7	6.7	14.9	6.7	11	97	97	97	<0.2	<0.2	0.3	0.3									
C2	Sunny	Moderate	12:22	11.2	Surface	1.0	0.6	170	25.5	25.5	8.1	8.1	31.3	31.3	113.5	113.5	7.8	7.8	5.9	7.7	7	94	94	94	825669	806926	<0.2	<0.2	0.6	0.6						
						1.0	0.6	176	25.5	25.5	8.1	8.1	31.3	31.3	113.5	113.5	7.8	7.8	5.9	7.7	6	94	94	94	<0.2	<0.2	0.7	0.7								
						5.6	0.7	165	25.4	25.4	8.1	8.1	31.4	31.4	109.7	109.7	7.5	7.5	10.9	7.5	7	95	95	95	<0.2	<0.2	0.6	0.6								
					5.6	0.7	168	25.4	25.4	8.1	8.1	31.4	31.4	109.7	109.7	7.5	7.5	10.9	7.5	7	96	96	96	<0.2	<0.2	0.6	0.6									
					10.2	0.4	164	25.3	25.3	8.0	8.0	32.0	32.0	107.1	107.1	7.3	7.3	26.1	7.3	13	97	97	97	<0.2	<0.2	0.5	0.5									
					10.2	0.4	176	25.3	25.3	8.0	8.0	32.0	32.0	107.1	107.1	7.3	7.3	26.1	7.3	15	97	97	97	<0.2	<0.2	0.5	0.5									
C3	Sunny	Moderate	10:14	12.1	Surface	1.0	0.3	113	26.0	26.0	7.9	7.9	32.6	32.6	90.8	90.8	6.1	6.1	5.2	6.1	7	96	96	96	822106	817809	<0.2	<0.2	0.3	0.3						
						1.0	0.3	115	26.0	26.0	7.9	7.9	32.6	32.6	90.8	90.8	6.1	6.1	5.2	6.1	5	97	97	97	<0.2	<0.2	0.4	0.4								
						6.1	0.3	105	25.9	25.9	7.9	7.9	32.6	32.6	89.9	90.0	6.1	6.1	6.7	6.1	9	99	99	99	<0.2	<0.2	0.3	0.3								
					6.1	0.3	111	25.9	25.9	7.9	7.9	32.6	32.6	90.0	90.0	6.1	6.1	6.4	6.1	11	99	99	99	<0.2	<0.2	0.4	0.4									
					11.1	0.3	96	25.9	25.9	7.9	7.9	32.9	32.9	90.7	90.7	6.1	6.1	11.3	6.1	13	102	102	102	<0.2	<0.2	0.3	0.3									
					11.1	0.3	103	25.9	25.9	7.9	7.9	32.9	32.9	90.7	90.7	6.1	6.1	11.3	6.1	11	101	101	101	<0.2	<0.2	0.3	0.3									
IM1	Fine	Moderate	11:40	7.3	Surface	1.0	0.2	170	25.0	25.0	8.1	8.1	32.8	32.8	100.7	100.7	6.9	6.9	5.7	6.9	6	97	97	97	818358	806476	<0.2	<0.2	0.4	0.4						
						1.0	0.3	184	25.0	25.0	8.1	8.1	32.8	32.8	100.6	100.6	6.9	6.9	5.8	6.9	8	97	97	97	<0.2	<0.2	0.4	0.4								
						3.7	0.3	171	25.0	25.0	8.0	8.0	32.8	32.8	99.3	99.3	6.8	6.8	7.4	6.8	8	98	98	98	<0.2	<0.2	0.4	0.4								
					3.7	0.3	179	25.0	25.0	8.0	8.0	32.8	32.8	99.3	99.3	6.8	6.8	7.4	6.8	9	99	99	99	<0.2	<0.2	0.4	0.4									
					6.3	0.3	167	24.9	24.9	8.0	8.0	32.9	32.9	97.9	98.3	6.7	6.8	13.7	6.7	8	97	97	97	<0.2	<0.2	0.4	0.4									
					6.3	0.3	182	24.9	24.9	8.0	8.0	32.9	32.9	98.7	98.3	6.8	6.8	13.4	6.8	9	97	97	97	<0.2	<0.2	0.4	0.4									
IM2	Fine	Moderate	11:47	8.1	Surface	1.0	0.3	182	25.1	25.1	8.0	8.0	33.0	33.0	95.9	95.9	6.6	6.6	9.7	6.6	10	96	96	96	818868	806176	<0.2	<0.2	0.4	0.4						
						1.0	0.3	186	25.1	25.1	8.0	8.0	33.0	33.0	95.8	95.8	6.6	6.6	9.7	6.6	9	96	96	96	<0.2	<0.2	0.4	0.4								
						4.1	0.3	177	24.9	24.9	8.0	8.0	33.0	33.0	94.7	94.7	6.5	6.5	12.2	6.5	11	96	96	96	<0.2	<0.2	0.3	0.3								
					4.1	0.3	184	24.9	24.9	8.0	8.0	33.0	33.0	94.6	94.6	6.5	6.5	12.7	6.5	10	96	96	96	<0.2	<0.2	0.4	0.4									
					7.1	0.3	191	24.8	24.8	8.0	8.0	32.9	32.9	94.9	95.0	6.5	6.5	19.2	6.5	12	98	98	98	<0.2	<0.2	0.4	0.4									
					7.1	0.3	195	24.8	24.8	8.0	8.0	32.9	32.9	95.1	95.0	6.5	6.5	19.6	6.5	11	98	98	98	<0.2	<0.2	0.4	0.4									
IM3	Fine	Moderate	11:55	8.2	Surface	1.0	0.4	208	25.0	24.9	8.0	8.0	32.9	32.9	97.3	97.3	6.7	6.7	9.2	6.7	10	97	97	97	819397	806018	<0.2	<0.2	0.5	0.5						
						1.0	0.4	224	24.9	24.9	8.0	8.0	32.9	32.9	97.2	97.3	6.7	6.7	9.4	6.7	11	97	97	97	<0.2	<0.2	0.5	0.5								
						4.1	0.4	202	24.8	24.8	8.0	8.0	32.9	32.9	96.5	96.6	6.6	6.6	12.3	6.6	10	99	99	99	<0.2	<0.2	0.4	0.4								
					4.1	0.4	210	24.8	24.8	8.0	8.0	32.9	32.9	96.6	96.6	6.6	6.6	12.6	6.6	10	99	99	99	<0.2	<0.2	0.4	0.4									
					7.2	0.3	204	24.8	24.8	8.0	8.0	32.9	32.9	99.1	99.2	6.8	6.8	15.1	6.8	10	99	99	99	<0.2	<0.2	0.4	0.4									
					7.2	0.3	205	24.8	24.8	8.0	8.0	32.9	32.9	99.3	99.3	6.8	6.8	15.0	6.8	10	99	99	99	<0.2	<0.2	0.4	0.4									
IM4	Fine	Moderate	12:03	7.6	Surface	1.0	0.5	193	25.1	25.1	8.0	8.0	32.9	32.9	100.9	100.9	6.9	6.9	8.3	6.8	7	96	96	96	819569	805048	<0.2	<0.2	0.4	0.4						
						1.0	0.6	193	25.1	25.1	8.0	8.0	32.9	32.9	100.8	100.8	6.9	6.9	8.8	6.8	8	96	96	96	<0.2	<0.2	0.4	0.4								
						3.8	0.5	192	24.9	24.9	8.0	8.0	32.9	32.9	97.9	97.9	6.7	6.7	18.7	6.7	8	102	102	102	<0.2	<0.2	0.4	0.4								
					3.8	0.5	196	24.9	24.9	8.0	8.0	32.9	32.9	97.9	97.9	6.7	6.7	18.7	6.7	8	102	102	102	<0.2	<0.2	0.4	0.4									
					6.6	0.3	191	24.9	24.9	8.0	8.0	32.9	32.9	98.9	99.1	6.8	6.8	16.9	6.8	13	98	98	98	<0.2	<0.2	0.4	0.4									
					6.6	0.3	194	24.9	24.9	8.0	8.0	32.9	32.9	99.3	99.3	6.8	6.8	16.9	6.8	13	98	98	98	<0.2	<0.2	0.4	0.4									
IM5	Fine	Moderate	12:15	7.7	Surface	1.0	0.5	192	24.9	24.9	8.0	8.0	32.9	32.9	101.3	101.3	7.0	7.0	9.9	7.0	9	98	98	98	820568	804928	<0.2	<0.2	0.4	0.4						
						1.0	0.6	202	24.9	24.9	8.0	8.0	32.9	32.9	101.3	101.3	7.0	7.0	9.8	7.0	9	98	98	98	<0.2	<0.2	0.4	0.4								
						3.9	0.5	196	24.8	24.8	8.0	8.0	32.9	32.9	100.8	100.9	6.9	6.9	13.7	6.9	8	98	98	98	<0.2	<0.2	0.4	0.4								
					3.9	0.5	209	24.8	24.8	8.0	8.0	32.9	32.9	100.9	100.9	7.0	7.0	14.1	7.0	9	98	98	98	<0.2	<0.2	0.4	0.4									
					6.7	0.3	197	24.7	24.7	8.0	8.0	32.9	32.9	102.5	102.5	7.1	7.1	17.3	7.1	14	95	95	95	<0.2	<0.2	0.3	0.3									
					6.7	0.4	209	24.7	24.7	8.0	8.0	32.9	32.9	103.1	102.8	7.1	7.1	17.6	7.1	14	95	95	95	<0.2	<0.2	0.3	0.3									
IM6	Fine	Moderate	12:22	6.6	Surface	1.0	0.3	180	24.9	24.8	8.0	8.0	32.9	32.9	101.4	101.5	7.0	7.0	10																	

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA				
IM9	Sunny	Moderate	11:39	7.0	Surface	1.0	0.4	123	25.2	8.1	8.1	32.4	32.4	105.1	105.1	7.2	7.2	9.5	7.2	5	96	97	822102	808826	<0.2	0.4	<0.2	0.5					
						1.0	0.4	124	25.2	8.1	8.1	32.4	32.4	105.1	105.1	7.2	7.2	9.5	7.2	4	96	97			<0.2	0.5	<0.2	0.5					
					Middle	3.5	0.4	117	25.1	25.1	8.1	8.1	32.5	32.5	104.1	104.1	7.1	7.1	11.5	10.9	8	97	97			<0.2	0.4	<0.2	0.5				
						3.5	0.4	124	25.1	25.1	8.1	8.1	32.5	32.5	104.1	104.1	7.1	7.1	11.5	10.9	8	97	97			<0.2	0.4	<0.2	0.5				
					Bottom	6.0	0.3	100	25.1	25.1	8.0	8.0	32.5	32.5	103.4	103.4	7.1	7.1	11.8	7.1	11.8	7.1	9	98	98			<0.2	0.5	<0.2	0.5		
						6.0	0.3	102	25.1	25.1	8.0	8.0	32.5	32.5	103.4	103.4	7.1	7.1	11.8	7.1	11.8	7.1	8	98	98			<0.2	0.5	<0.2	0.5		
IM10	Sunny	Moderate	11:30	7.1	Surface	1.0	0.5	117	25.3	25.3	8.1	8.1	32.1	32.1	105.7	105.7	7.2	7.2	11.5	7.2	6	96	97	822227	809850	<0.2	0.6	<0.2	0.6				
						1.0	0.5	118	25.3	25.3	8.1	8.1	32.1	32.1	105.7	105.7	7.2	7.2	11.5	7.2	6	95	97			<0.2	0.6	<0.2	0.6				
					Middle	3.6	0.4	104	25.1	25.1	8.0	8.0	32.4	32.4	102.7	102.7	7.1	7.1	18.0	20.2	9	97	97			<0.2	0.6	<0.2	0.6				
						3.6	0.4	105	25.1	25.1	8.0	8.0	32.4	32.4	102.7	102.7	7.1	7.1	18.0	20.2	8	97	97			<0.2	0.7	<0.2	0.5				
					Bottom	6.1	0.3	109	25.0	25.0	8.0	8.0	32.7	32.7	101.1	101.1	6.9	6.9	31.0	6.9	31.0	6.9	22	98	98			<0.2	0.5	<0.2	0.6		
						6.1	0.3	115	25.0	25.0	8.0	8.0	32.7	32.7	101.1	101.1	6.9	6.9	31.0	6.9	31.0	6.9	20	98	98			<0.2	0.6	<0.2	0.6		
IM11	Sunny	Moderate	11:16	8.1	Surface	1.0	0.3	93	25.1	25.1	8.1	8.1	32.8	32.8	101.7	101.7	7.0	7.0	10.2	7.0	8	96	97	821487	810534	<0.2	0.4	<0.2	0.4				
						1.0	0.3	101	25.1	25.1	8.1	8.1	32.8	32.8	101.7	101.7	7.0	7.0	10.2	7.0	9	95	98			<0.2	0.4	<0.2	0.4				
					Middle	4.1	0.4	92	25.0	25.0	8.1	8.1	32.8	32.8	100.3	100.3	6.9	6.9	14.7	16.7	9	98	97			<0.2	0.4	<0.2	0.4				
						4.1	0.4	92	25.0	25.0	8.1	8.1	32.8	32.8	100.3	100.3	6.9	6.9	14.7	16.7	9	98	97			<0.2	0.4	<0.2	0.4				
					Bottom	7.1	0.3	95	25.0	25.0	8.0	8.0	32.9	32.9	99.7	99.7	6.8	6.8	25.1	6.8	25.1	6.8	18	99	99			<0.2	0.4	<0.2	0.4		
						7.1	0.3	102	25.0	25.0	8.0	8.0	32.9	32.9	99.7	99.7	6.8	6.8	25.1	6.8	25.1	6.8	18	98	98			<0.2	0.4	<0.2	0.4		
IM12	Sunny	Moderate	11:06	9.1	Surface	1.0	0.5	101	25.4	25.4	8.1	8.1	32.2	32.2	110.3	110.3	7.5	7.5	7.4	7.4	6	96	97	821161	811512	<0.2	0.6	<0.2	0.8				
						1.0	0.5	101	25.4	25.4	8.1	8.1	32.2	32.2	110.3	110.3	7.5	7.5	7.4	7.4	8	95	97			<0.2	0.6	<0.2	0.8				
					Middle	4.6	0.5	94	25.1	25.1	8.1	8.1	32.3	32.3	106.7	106.7	7.3	7.3	13.8	19.8	6	97	97			<0.2	0.4	<0.2	0.6				
						4.6	0.5	102	25.1	25.1	8.1	8.1	32.3	32.3	106.6	106.6	7.3	7.3	14.0	19.8	7	97	97			<0.2	0.6	<0.2	0.4				
					Bottom	8.1	0.4	86	25.1	25.1	8.1	8.1	32.4	32.4	102.9	102.9	7.1	7.1	38.0	7.1	38.0	7.1	36	99	99			<0.2	0.5	<0.2	0.4		
						8.1	0.4	90	25.1	25.1	8.1	8.1	32.4	32.4	102.9	102.9	7.1	7.1	38.0	7.1	38.0	7.1	38	98	98			<0.2	0.4	<0.2	0.4		
SR2	Sunny	Moderate	10:39	4.2	Surface	1.0	0.3	64	25.3	25.3	8.1	8.1	32.2	32.2	110.2	110.2	7.6	7.6	11.9	7.6	9	95	97	821476	814181	<0.2	0.4	<0.2	0.5				
						1.0	0.4	66	25.3	25.3	8.1	8.1	32.2	32.2	110.2	110.2	7.6	7.6	11.9	7.6	8	97	97			<0.2	0.4	<0.2	0.5				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	3.2	0.3	49	25.3	25.3	8.1	8.1	32.4	32.4	106.7	106.7	7.3	7.3	21.2	7.3	21.2	7.3	16	98	99			<0.2	0.4	<0.2	0.4		
						3.2	0.3	53	25.3	25.3	8.1	8.1	32.4	32.4	106.7	106.7	7.3	7.3	21.2	7.3	21.2	7.3	15	99	99			<0.2	0.4	<0.2	0.4		
SR3	Sunny	Moderate	11:55	8.6	Surface	1.0	0.4	170	25.3	25.3	8.1	8.1	31.6	31.6	108.5	108.5	7.5	7.5	6.9	7.5	4	-	-	822134	807566	-	-	-	-				
						1.0	0.4	181	25.3	25.3	8.1	8.1	31.6	31.6	108.5	108.5	7.5	7.5	6.9	7.5	6	-	-			-	-	-	-				
					Middle	4.3	0.2	185	25.1	25.1	8.1	8.1	32.0	32.0	104.6	104.6	7.2	7.2	10.1	7.2	10.1	7.2	8	-	-			-	-	-	-		
						4.3	0.3	190	25.1	25.1	8.1	8.1	32.0	32.0	104.6	104.6	7.2	7.2	10.1	7.2	10.1	7.2	6	-	-			-	-	-	-		
					Bottom	7.6	0.1	194	25.0	25.0	8.0	8.0	32.5	32.5	101.8	101.8	7.0	7.0	15.5	7.0	15.5	7.0	10	-	-			-	-	-	-		
						7.6	0.1	197	25.0	25.0	8.0	8.0	32.5	32.5	101.8	101.8	7.0	7.0	15.5	7.0	15.5	7.0	12	-	-			-	-	-	-		
SR4A	Fine	Moderate	11:01	9.0	Surface	1.0	0.3	66	24.9	24.9	8.0	8.0	32.9	32.9	95.2	95.2	6.5	6.5	10.2	6.5	10	-	-	817201	807816	-	-	-	-				
						1.0	0.3	68	24.9	24.9	8.0	8.0	32.9	32.9	95.2	95.2	6.5	6.5	10.4	6.5	10.4	6.5	11	-	-			-	-	-	-		
					Middle	4.5	0.2	72	24.8	24.8	8.0	8.0	32.9	32.9	94.9	94.9	6.5	6.5	12.0	6.5	12.0	6.5	10	-	-			-	-	-	-		
						4.5	0.2	76	24.8	24.8	8.0	8.0	32.9	32.9	95.0	95.0	6.5	6.5	11.7	6.5	11.7	6.5	11	-	-			-	-	-	-		
					Bottom	8.0	0.2	78	24.8	24.8	8.0	8.0	32.9	32.9	97.0	97.0	6.7	6.7	13.3	6.7	13.3	6.7	11	-	-			-	-	-	-		
						8.0	0.2	84	24.8	24.8	8.0	8.0	32.9	32.9	97.2	97.2	6.7	6.7	13.3	6.7	13.3	6.7	13	-	-			-	-	-	-		
SR5A	Fine	Calm	10:44	3.7	Surface	1.0	0.1	16	25.1	25.1	8.1	8.1	32.0	32.0	114.3	114.3	7.9	7.9	9.5	7.9	8	-	-	816585	810692	-	-	-	-				
						1.0	0.1	16	25.1	25.1	8.1	8.1	32.0	32.0	113.8	113.8	7.8	7.8	9.4	7.8	8	-	-			-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					Bottom	2.7	0.1	10	24.8	24.8	8.1	8.1	32.0	32.1	110.5	110.5	7.6	7.6	11.7	7.6	11.6	7.6	9	-	-			-	-	-	-		
						2.7	0.1	10	24.8	24.8	8.1	8.1	32.1	32.1	110.4	110.4	7.6	7.6	11.6	7.6	11.6	7.6	10	-	-			-	-	-	-		
SR6	Fine	Calm	10:19	4.5	Surface	1.0	0.1	38	25.4	25.4	8.1	8.1	31.3	31.3	118.3	118.2	8.1	8.1	6.4	8.1	7	-	-	817910	814671	-	-	-	-				
						1.0	0.1	39	25.4	25.4	8.1	8.1	31.3	31.3	118.1	11																	

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	17:04	8.7	Surface	1.0	0.5	40	25.2	8.0	8.0	33.0	33.0	97.1	97.1	6.6	6.6	14.8	14.8	16	16	96	96	815608	804230	<0.2	<0.2	0.5	0.4							
						1.0	0.5	42	25.2	8.0	8.0	33.0	33.0	97.1	97.1	6.6	6.6	14.7	14.7	17	17	96	96			<0.2	<0.2	0.4	0.4							
						4.4	0.6	37	25.1	8.0	8.0	33.0	33.0	97.0	97.1	6.6	6.6	16.3	16.3	15	15	94	94			<0.2	<0.2	0.4	0.4							
					4.4	0.6	37	25.1	8.0	8.0	33.0	33.0	97.1	97.1	6.6	6.6	16.3	16.3	15	15	94	94			<0.2	<0.2	0.4	0.4								
					7.7	0.5	36	25.1	8.0	8.0	33.0	33.0	100.4	100.9	6.9	6.9	20.5	20.5	20	20	97	97			<0.2	<0.2	0.4	0.4								
					7.7	0.5	39	25.1	8.0	8.0	33.0	33.0	101.3	100.9	6.9	6.9	20.4	20.4	21	21	97	97			<0.2	<0.2	0.3	0.3								
C2	Fine	Moderate	15:59	11.0	Surface	1.0	0.4	196	25.8	8.1	8.1	29.7	29.7	116.0	116.0	8.0	8.0	3.8	3.8	6	6	94	94	825681	806941	<0.2	<0.2	1.8	1.7							
						1.0	0.4	211	25.8	8.1	8.1	29.7	29.7	116.0	116.0	8.0	8.0	3.8	3.8	6	6	94	94			<0.2	<0.2	1.7	1.7							
						5.5	0.2	206	25.5	8.0	8.0	31.0	31.0	107.7	107.7	7.4	7.4	8.9	8.9	6	6	96	96			<0.2	<0.2	1.1	1.0							
					5.5	0.2	223	25.5	8.0	8.0	31.0	31.0	107.7	107.7	7.4	7.4	8.9	8.9	7	7	95	95			<0.2	<0.2	1.0	0.9								
					10.0	0.2	283	25.5	8.0	8.0	31.5	31.5	107.2	107.2	7.4	7.4	14.0	14.0	10	10	97	97			<0.2	<0.2	0.9	0.9								
					10.0	0.2	302	25.5	8.0	8.0	31.5	31.5	107.2	107.2	7.4	7.4	14.0	14.0	11	11	97	97			<0.2	<0.2	0.9	0.9								
C3	Fine	Moderate	17:59	12.1	Surface	1.0	0.5	259	26.0	8.0	8.0	32.4	32.4	95.7	95.7	6.5	6.5	16.6	16.6	12	12	96	96	822116	817800	<0.2	<0.2	0.4	0.4							
						1.0	0.6	259	26.0	8.0	8.0	32.4	32.4	95.7	95.7	6.5	6.5	16.6	16.6	12	12	96	96			<0.2	<0.2	0.4	0.4							
						6.1	0.6	264	26.0	8.0	8.0	32.3	32.3	96.3	96.3	6.5	6.5	20.3	20.3	18	18	98	98			<0.2	<0.2	0.6	0.6							
					6.1	0.6	278	26.0	8.0	8.0	32.3	32.3	96.3	96.3	6.5	6.5	20.3	20.3	20	20	99	99			<0.2	<0.2	0.4	0.4								
					11.1	0.5	266	26.0	8.0	8.0	32.3	32.3	97.8	97.8	6.6	6.6	20.0	20.0	31	31	102	102			<0.2	<0.2	0.4	0.4								
					11.1	0.5	286	26.0	8.0	8.0	32.3	32.3	97.8	97.8	6.6	6.6	20.0	20.0	29	29	101	101			<0.2	<0.2	0.4	0.4								
IM1	Fine	Moderate	16:44	7.1	Surface	1.0	0.3	28	25.2	8.1	8.1	32.5	32.5	106.5	106.5	7.3	7.3	8.6	8.6	8	8	96	96	818338	806470	<0.2	<0.2	0.6	0.6							
						1.0	0.4	29	25.2	8.1	8.1	32.5	32.5	106.4	106.4	7.3	7.3	8.7	8.7	8	8	96	96			<0.2	<0.2	0.6	0.6							
						3.6	0.4	26	25.1	8.1	8.1	32.5	32.5	105.3	105.3	7.2	7.2	10.6	10.6	9	9	100	100			<0.2	<0.2	0.5	0.5							
					3.6	0.4	27	25.1	8.1	8.1	32.5	32.5	105.3	105.3	7.2	7.2	11.0	11.0	8	8	100	100			<0.2	<0.2	0.5	0.5								
					6.1	0.4	15	25.2	8.1	8.1	32.6	32.6	105.1	105.2	7.2	7.2	15.2	15.2	10	10	100	100			<0.2	<0.2	0.5	0.5								
					6.1	0.4	15	25.2	8.1	8.1	32.6	32.6	105.3	105.2	7.2	7.2	15.2	15.2	12	12	101	101			<0.2	<0.2	0.4	0.4								
IM2	Fine	Moderate	16:38	7.9	Surface	1.0	0.2	22	25.2	8.1	8.1	32.6	32.6	101.8	101.7	7.0	7.0	7.9	7.9	6	6	97	97	818851	806200	<0.2	<0.2	0.6	0.5							
						1.0	0.2	23	25.2	8.1	8.1	32.6	32.6	101.6	101.6	7.0	7.0	8.2	8.2	7	7	97	97			<0.2	<0.2	0.5	0.5							
						4.0	0.2	17	25.0	8.0	8.0	32.8	32.8	99.2	99.3	6.8	6.8	15.1	15.1	7	7	99	99			<0.2	<0.2	0.6	0.6							
					4.0	0.2	18	25.0	8.0	8.0	32.8	32.8	99.4	99.3	6.8	6.8	15.2	15.2	8	8	99	99			<0.2	<0.2	0.5	0.5								
					6.9	0.2	12	25.0	8.0	8.0	32.8	32.8	100.9	101.2	6.9	6.9	16.0	16.0	13	13	99	99			<0.2	<0.2	0.4	0.4								
					6.9	0.2	13	25.0	8.0	8.0	32.8	32.8	101.5	101.2	7.0	7.0	16.1	16.1	14	14	100	100			<0.2	<0.2	0.3	0.3								
IM3	Fine	Moderate	16:32	8.2	Surface	1.0	0.1	327	25.2	8.1	8.1	32.2	32.2	110.8	110.8	7.6	7.6	7.6	7.6	7	7	97	97	819395	806029	<0.2	<0.2	0.7	0.6							
						1.0	0.1	331	25.2	8.1	8.1	32.2	32.2	110.7	110.7	7.6	7.6	7.6	7.6	7	7	97	97			<0.2	<0.2	0.6	0.6							
						4.1	0.2	290	25.2	8.1	8.1	32.4	32.4	108.2	108.2	7.4	7.4	9.9	9.9	8	8	97	97			<0.2	<0.2	0.6	0.6							
					4.1	0.2	310	25.2	8.1	8.1	32.4	32.4	108.1	108.1	7.4	7.4	10.1	10.1	7	7	97	97			<0.2	<0.2	0.6	0.6								
					7.2	0.2	307	25.2	8.1	8.1	32.5	32.5	107.7	107.8	7.4	7.4	15.1	15.1	8	8	99	99			<0.2	<0.2	0.6	0.6								
					7.2	0.2	319	25.2	8.1	8.1	32.5	32.5	107.8	107.8	7.4	7.4	15.2	15.2	8	8	99	99			<0.2	<0.2	0.6	0.6								
IM4	Fine	Moderate	16:24	7.6	Surface	1.0	0.2	323	25.2	8.1	8.1	32.2	32.2	112.0	112.0	7.7	7.7	10.6	10.6	10	10	99	99	819568	805034	<0.2	<0.2	0.7	0.7							
						1.0	0.3	330	25.2	8.1	8.1	32.2	32.2	112.0	112.0	7.7	7.7	10.7	10.7	9	9	100	100			<0.2	<0.2	0.8	0.8							
						3.8	0.3	321	25.2	8.1	8.1	32.2	32.2	111.3	111.3	7.6	7.6	12.3	12.3	9	9	101	101			<0.2	<0.2	0.7	0.7							
					3.8	0.3	351	25.2	8.1	8.1	32.2	32.2	111.3	111.3	7.6	7.6	12.3	12.3	10	10	101	101			<0.2	<0.2	0.7	0.7								
					6.6	0.3	334	25.2	8.1	8.1	32.2	32.2	111.6	111.6	7.7	7.7	13.5	13.5	12	12	96	96			<0.2	<0.2	0.6	0.6								
					6.6	0.3	307	25.2	8.1	8.1	32.2	32.2	112.0	111.8	7.7	7.7	13.6	13.6	11	11	96	96			<0.2	<0.2	0.6	0.6								
IM5	Fine	Moderate	16:15	6.6	Surface	1.0	0.3	312	25.3	8.1	8.1	31.7	31.7	114.8	114.7	7.9	7.9	8.6	8.6	8	8	96	96	820546	804923	<0.2	<0.2	0.8	0.8							
						1.0	0.3	328	25.3	8.1	8.1	31.7	31.7	114.6	114.6	7.9	7.9	8.9	8.9	8	8	96	96			<0.2	<0.2	0.7	0.7							
						3.3	0.3	329	25.2	8.1	8.1	32.0	32.0	113.2	113.2	7.8	7.8	12.6	12.6	8	8	98	98			<0.2	<0.2	0.8	0.8							
					3.3	0.3	345	25.2	8.1	8.1	32.0	32.0	113.2	113.2	7.8	7.8	12.9	12.9	8	8	99	99			<0.2	<0.2	0.7	0.7								
					5.6	0.3	320	25.2	8.1	8.1	32.0	32.0	113.3	113.3	7.8	7.8	17.5	17.5	15	15	99	99			<0.2	<0.2	0.8	0.8								
					5.6	0.3	323	25.2	8.1	8.1	32.0	32.0	113.3	113.3	7.8	7.8	17.4	17.4	14	14	99	99			<0.2	<0.2	0.8	0.8								
IM6	Fine	Moderate	16:07	6.5	Surface	1.0	0.5	272	25.4	8.1	8.1	31.4	31.4	116.4	116.4	8.0	8.0	7.6	7.6	9	9	94														

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value		Value	Value	Value	Value			Value	Value	Value	Value	Value
IM9	Fine	Moderate	16:33	6.8	Surface	1.0	0.3	288	25.6	8.1	8.1	32.0	32.0	113.1	113.1	7.7	7.7	8.0	9	96	97	822098	808829	<0.2	0.8	0.7				
						1.0	0.3	311	25.6	8.1	8.1	32.0	32.0	112.0	112.0	7.7	7.7	8.0	10	95	97	<0.2	0.7							
					Middle	3.4	0.3	286	25.6	8.1	8.1	32.0	32.0	112.0	112.0	7.6	7.6	9.2	10	97	97	<0.2	0.6							
						3.4	0.3	313	25.6	8.1	8.1	32.0	32.0	112.0	112.0	7.6	7.6	9.2	10	97	97	<0.2	0.7							
					Bottom	5.8	0.3	290	25.6	8.1	8.1	32.0	32.0	110.9	110.9	7.6	7.6	11.1	11	98	99	<0.2	0.6							
						5.8	0.3	312	25.6	8.1	8.1	32.0	32.0	110.9	110.9	7.6	7.6	11.1	11	99	99	<0.2	0.6							
IM10	Fine	Moderate	16:44	7.1	Surface	1.0	0.5	307	25.4	8.1	8.1	32.2	32.2	111.8	111.8	7.6	7.6	14.6	16	95	97	822243	809837	<0.2	0.6	0.6				
						1.0	0.5	330	25.4	8.1	8.1	32.2	32.2	111.8	111.8	7.6	7.6	14.6	16	96	96	<0.2	0.6							
					Middle	3.6	0.5	307	25.4	8.1	8.1	32.2	32.2	110.2	110.2	7.5	7.5	21.9	17	97	97	<0.2	0.5							
						3.6	0.5	320	25.4	8.1	8.1	32.2	32.2	110.2	110.2	7.5	7.5	21.9	17	97	97	<0.2	0.5							
					Bottom	6.1	0.4	304	25.4	8.1	8.1	32.2	32.2	109.4	109.4	7.5	7.5	30.1	17	98	99	<0.2	0.6							
						6.1	0.4	312	25.4	8.1	8.1	32.2	32.2	109.4	109.4	7.5	7.5	30.1	17	99	99	<0.2	0.6							
IM11	Fine	Moderate	16:57	7.7	Surface	1.0	0.5	289	25.4	8.1	8.1	32.3	32.3	112.5	112.5	7.7	7.7	10.6	11	97	97	821506	810548	<0.2	0.7	0.6				
						1.0	0.5	307	25.4	8.1	8.1	32.3	32.3	112.5	112.5	7.7	7.7	10.6	10	96	96	<0.2	0.6							
					Middle	3.9	0.4	291	25.4	8.1	8.1	32.4	32.4	110.2	110.2	7.5	7.5	20.2	11	97	97	<0.2	0.6							
						3.9	0.4	308	25.4	8.1	8.1	32.4	32.4	110.2	110.2	7.5	7.5	20.2	10	97	97	<0.2	0.6							
					Bottom	6.7	0.4	290	25.3	8.1	8.1	32.5	32.5	108.4	108.4	7.4	7.4	29.0	15	98	98	<0.2	0.6							
						6.7	0.4	316	25.3	8.1	8.1	32.5	32.5	108.4	108.4	7.4	7.4	29.0	14	99	99	<0.2	0.6							
IM12	Fine	Moderate	17:07	8.6	Surface	1.0	0.7	273	25.4	8.1	8.1	32.5	32.5	112.6	112.6	7.7	7.7	11.0	8	97	97	821143	811519	<0.2	0.6	0.6				
						1.0	0.7	290	25.4	8.1	8.1	32.5	32.5	112.6	112.6	7.7	7.7	11.0	8	96	96	<0.2	0.5							
					Middle	4.3	0.6	273	25.4	8.1	8.1	32.5	32.5	111.1	111.1	7.6	7.6	14.4	10	98	98	<0.2	0.6							
						4.3	0.7	296	25.4	8.1	8.1	32.5	32.5	111.0	111.0	7.6	7.6	14.8	10	97	97	<0.2	0.6							
					Bottom	7.6	0.5	277	25.4	8.1	8.1	32.5	32.5	110.2	110.2	7.5	7.5	15.2	17	99	99	<0.2	0.6							
						7.6	0.5	300	25.4	8.1	8.1	32.5	32.5	110.2	110.2	7.5	7.5	15.2	18	98	98	<0.2	0.6							
SR2	Fine	Moderate	17:32	4.7	Surface	1.0	0.4	331	25.5	8.1	8.1	32.2	32.2	111.8	111.8	7.6	7.6	18.0	12	96	97	821450	814166	<0.2	0.6	0.6				
						1.0	0.5	354	25.5	8.1	8.1	32.2	32.2	111.8	111.8	7.6	7.6	18.0	13	96	96	<0.2	0.6							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	3.7	0.3	328	25.5	8.1	8.1	32.1	32.1	110.7	110.7	7.6	7.6	21.8	23	98	98	<0.2	0.6							
						3.7	0.4	350	25.5	8.1	8.1	32.1	32.1	110.7	110.7	7.6	7.6	21.8	21	99	99	<0.2	0.5							
SR3	Fine	Moderate	16:19	8.4	Surface	1.0	0.3	224	25.8	8.1	8.1	30.4	30.4	117.9	117.9	8.1	8.1	3.5	5	-	-	822162	807562	-	-	-				
						1.0	0.3	227	25.8	8.1	8.1	30.4	30.4	117.9	117.9	8.1	8.1	3.5	7	-	-	-	-							
					Middle	4.2	0.3	269	25.6	8.1	8.1	31.1	31.1	115.6	115.6	7.9	7.9	5.2	8	-	-	-	-							
						4.2	0.3	280	25.6	8.1	8.1	31.1	31.1	115.6	115.6	7.9	7.9	5.2	6	-	-	-	-							
					Bottom	7.4	0.3	277	25.6	8.1	8.1	31.3	31.3	114.5	114.5	7.8	7.8	9.0	11	-	-	-	-							
						7.4	0.3	278	25.6	8.1	8.1	31.3	31.3	114.5	114.5	7.8	7.8	9.0	10	-	-	-	-							
SR4A	Fine	Moderate	17:22	9.0	Surface	1.0	0.2	253	25.3	8.1	8.1	32.5	32.5	107.2	107.2	7.3	7.3	14.9	15	-	-	817194	807827	-	-	-				
						1.0	0.3	256	25.3	8.1	8.1	32.5	32.5	107.2	107.2	7.3	7.3	14.8	15	-	-	-	-							
					Middle	4.5	0.3	242	25.2	8.1	8.1	32.5	32.5	105.7	105.7	7.2	7.2	15.4	15	-	-	-	-							
						4.5	0.3	266	25.2	8.1	8.1	32.5	32.5	105.7	105.7	7.2	7.2	15.3	14	-	-	-	-							
					Bottom	8.0	0.2	258	25.2	8.1	8.1	32.5	32.5	105.5	105.5	7.2	7.2	16.4	18	-	-	-	-							
						8.0	0.2	272	25.2	8.1	8.1	32.5	32.5	106.0	106.0	7.3	7.3	16.3	19	-	-	-	-							
SR5A	Fine	Moderate	17:40	4.1	Surface	1.0	0.2	295	25.3	8.1	8.1	32.1	32.1	116.7	116.7	8.0	8.0	16.2	17	-	-	816594	810678	-	-	-				
						1.0	0.2	299	25.3	8.1	8.1	32.1	32.1	116.6	116.6	8.0	8.0	16.7	17	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
					Bottom	3.1	0.2	298	25.3	8.1	8.1	32.0	32.0	113.8	113.8	7.8	7.8	17.4	16	-	-	-	-							
						3.1	0.2	300	25.3	8.1	8.1	32.0	32.0	113.7	113.7	7.8	7.8	17.3	16	-	-	-	-							
SR6	Fine	Moderate	18:02	4.5	Surface	1.0	0.1	242	25.5	8.1	8.1	32.4	32.4	119.6	119.6	8.2	8.2	14.7	10	-	-	817910	814670	-	-	-				
						1.0	0.1	243	25.5	8.1	8.1	32.4	32.4	119.5	119.5	8.1	8.1	14.9	12	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		
					Bottom	3.5	0.1	256	25.5	8.1	8.1	32.4	32.4	117.5	117.5	8.0	8.0	15.3	13	-	-	-	-							
						3.5	0.1	274	25.5	8.1	8.1	32.4	32.4	116.7	116.7	8.0	8.0	15.1	13	-	-	-	-							
SR7	Fine	Moderate	18:35	17.8	Surface	1.0	0.1	105	26.0	7.9	7.9	32.4	32.4	93.3	93.3	6.3	6.3	8.9	9	-	-	823641	823758	-	-	-				
						1.0	0.1	114	26.0	7.9	7.9	32.4	32.4	93.4	93.4	6.3	6.3	8.9	10	-	-	-	-							
					Middle	8.9	0.1	100	26.0	7.9	7.9	32.3	32.3	93.2	93.2	6.3	6.3	12.1	16	-	-	-	-							
						8.9	0.1	104	26.0	7.9	7.9	32.3	32.3	93.2	93.2	6.3	6.3	12.1	17	-	-	-	-							
					Bottom	16.8	0.1	60	26.0	7.9	7.9	32.3	32.3	93.8	93.8	6.3	6.3	12.9	18	-	-	-	-							
						16.8	0.1	64	26.0	7.9	7.9	32.3	32.3	93.8	93.8	6.3	6.3	12.9	17	-	-	-	-							
SR8	Fine	Moderate	17:15	4.8	Surface	1.0	-	-	25.8	8.1	8.1	32.0	32.0	114.1	114.1	7.8	7.8	11.3	10	-	-	820367	811653	-	-	-				
						1.0	-	-	25.8	8.1	8.1	32.0	32.																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 November 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	12:18	9.1	Surface	1.0	0.4	212	24.9	24.9	8.0	8.0	33.0	33.0	94.0	94.0	6.5	6.5	18.5	16	17	94	94	815609	804257	<0.2	<0.2	0.6	0.6	
						1.0	0.4	213	24.9	24.9	8.0	8.0	33.0	33.0	93.9	94.0	6.5	6.5	18.0	16	17	95	94	<0.2	<0.2	0.7	0.7			
					Middle	4.6	0.3	209	24.9	24.9	8.0	8.0	33.0	33.0	93.7	93.7	6.4	6.4	21.2	16	17	96	96	<0.2	<0.2	0.5	0.5			
						4.6	0.3	219	24.9	24.9	8.0	8.0	33.0	33.0	93.7	93.7	6.4	6.4	21.4	17	17	96	96	<0.2	<0.2	0.6	0.6			
					Bottom	8.1	0.3	219	24.9	24.9	8.0	8.0	33.0	33.0	94.2	94.2	6.5	6.5	22.7	17	17	99	99	<0.2	<0.2	0.5	0.5			
						8.1	0.3	233	24.9	24.9	8.0	8.0	33.0	33.0	94.4	94.3	6.5	6.5	23.4	18	18	99	99	<0.2	<0.2	0.6	0.6			
C2	Fine	Moderate	11:02	12.2	Surface	1.0	0.1	306	25.0	25.0	8.0	8.0	31.0	31.0	101.7	101.7	7.1	7.1	13.0	10	11	94	94	825691	806962	<0.2	<0.2	1.0	1.0	
						1.0	0.1	311	25.0	25.0	8.0	8.0	31.0	31.0	101.7	101.7	7.1	7.1	13.0	10	11	95	94	<0.2	<0.2	1.1	1.1			
					Middle	6.1	0.3	41	24.8	24.8	8.1	8.1	31.8	31.8	100.9	100.9	7.0	7.0	18.9	9	9	96	96	<0.2	<0.2	1.3	1.3			
						6.1	0.3	41	24.8	24.8	8.1	8.1	31.8	31.8	100.9	100.9	7.0	7.0	18.9	9	9	96	96	<0.2	<0.2	1.2	1.2			
					Bottom	11.2	0.3	49	24.8	24.8	8.0	8.0	32.1	32.1	100.9	100.9	7.0	7.0	29.6	13	13	97	97	<0.2	<0.2	1.1	1.1			
						11.2	0.3	50	24.8	24.8	8.0	8.0	32.1	32.1	100.9	100.9	7.0	7.0	29.6	13	13	97	97	<0.2	<0.2	1.1	1.1			
C3	Fine	Moderate	12:53	11.7	Surface	1.0	0.5	90	25.6	25.6	8.0	8.0	32.4	32.4	96.2	96.2	6.6	6.6	13.0	14	15	97	97	822114	817804	<0.2	<0.2	0.6	0.6	
						1.0	0.5	93	25.6	25.6	8.0	8.0	32.4	32.4	96.2	96.2	6.6	6.6	13.0	15	15	97	97	<0.2	<0.2	0.5	0.5			
					Middle	5.9	0.5	87	25.6	25.6	8.0	8.0	32.3	32.3	95.8	95.8	6.5	6.5	18.6	15	15	99	99	<0.2	<0.2	0.5	0.5			
						5.9	0.5	93	25.6	25.6	8.0	8.0	32.3	32.3	95.8	95.8	6.5	6.5	18.6	14	14	99	99	<0.2	<0.2	0.5	0.5			
					Bottom	10.7	0.4	90	25.6	25.6	8.0	8.0	32.3	32.3	96.3	96.3	6.6	6.6	24.3	16	16	102	102	<0.2	<0.2	0.4	0.4			
						10.7	0.4	94	25.6	25.6	8.0	8.0	32.3	32.3	96.3	96.3	6.6	6.6	24.3	16	16	102	102	<0.2	<0.2	0.5	0.5			
IM1	Cloudy	Moderate	11:58	7.8	Surface	1.0	0.1	178	24.6	24.6	8.0	8.0	32.8	32.8	94.8	94.8	6.6	6.6	16.5	15	16	95	95	818367	806464	<0.2	<0.2	0.6	0.6	
						1.0	0.1	194	24.6	24.6	8.0	8.0	32.8	32.8	94.8	94.8	6.6	6.6	16.8	15	16	95	95	<0.2	<0.2	0.5	0.5			
					Middle	3.9	0.1	188	24.6	24.6	8.0	8.0	32.8	32.8	94.9	94.9	6.6	6.6	18.5	16	16	96	96	<0.2	<0.2	0.7	0.7			
						3.9	0.1	196	24.6	24.6	8.0	8.0	32.8	32.8	94.9	94.9	6.6	6.6	18.6	16	16	96	96	<0.2	<0.2	0.6	0.6			
					Bottom	6.8	0.1	202	24.6	24.6	8.0	8.0	32.8	32.8	95.6	95.6	6.6	6.6	19.7	17	17	99	99	<0.2	<0.2	0.6	0.6			
						6.8	0.1	221	24.6	24.6	8.0	8.0	32.8	32.8	96.0	95.8	6.6	6.6	19.6	17	17	99	99	<0.2	<0.2	0.5	0.5			
IM2	Cloudy	Moderate	11:50	8.8	Surface	1.0	0.1	33	24.8	24.8	8.0	8.0	33.0	33.0	93.7	93.7	6.4	6.4	21.9	18	19	94	94	818835	806209	<0.2	<0.2	0.4	0.4	
						1.0	0.1	35	24.8	24.8	8.0	8.0	33.0	33.0	93.7	93.7	6.4	6.4	21.9	17	17	94	94	<0.2	<0.2	0.5	0.5			
					Middle	4.4	0.1	39	24.8	24.8	8.0	8.0	33.0	33.0	93.6	93.6	6.4	6.4	22.3	17	17	96	96	<0.2	<0.2	0.6	0.6			
						4.4	0.1	41	24.8	24.8	8.0	8.0	33.0	33.0	93.6	93.6	6.4	6.4	22.3	19	19	96	96	<0.2	<0.2	0.6	0.6			
					Bottom	7.8	0.1	25	24.8	24.8	8.0	8.0	32.9	32.9	94.4	94.4	6.5	6.5	25.5	21	21	98	98	<0.2	<0.2	0.6	0.6			
						7.8	0.1	25	24.8	24.8	8.0	8.0	32.9	32.9	94.5	94.5	6.5	6.5	25.4	22	22	98	98	<0.2	<0.2	0.6	0.6			
IM3	Cloudy	Moderate	11:41	8.9	Surface	1.0	0.1	34	24.8	24.8	8.0	8.0	32.9	32.9	93.8	93.8	6.5	6.5	20.5	20	22	94	94	819393	806033	<0.2	<0.2	0.5	0.5	
						1.0	0.2	35	24.8	24.8	8.0	8.0	32.9	32.9	93.7	93.8	6.5	6.5	20.6	20	22	94	94	<0.2	<0.2	0.5	0.5			
					Middle	4.5	0.1	45	24.8	24.8	8.0	8.0	32.9	32.9	93.7	93.8	6.5	6.5	21.3	21	21	96	96	<0.2	<0.2	0.6	0.6			
						4.5	0.1	49	24.8	24.8	8.0	8.0	32.9	32.9	93.8	93.8	6.5	6.5	21.4	22	22	96	96	<0.2	<0.2	0.5	0.5			
					Bottom	7.9	0.2	48	24.8	24.8	8.0	8.0	32.9	32.9	94.7	94.8	6.5	6.5	22.9	24	24	98	98	<0.2	<0.2	0.5	0.5			
						7.9	0.2	48	24.8	24.8	8.0	8.0	32.9	32.9	94.8	94.8	6.5	6.5	22.8	24	24	98	98	<0.2	<0.2	0.6	0.6			
IM4	Cloudy	Moderate	11:33	8.4	Surface	1.0	0.1	97	24.8	24.8	8.0	8.0	32.9	32.9	94.2	94.2	6.5	6.5	19.3	22	23	94	94	819585	805032	<0.2	<0.2	0.4	0.4	
						1.0	0.1	105	24.8	24.8	8.0	8.0	33.0	33.0	94.1	94.1	6.5	6.5	19.5	22	23	94	94	<0.2	<0.2	0.4	0.4			
					Middle	4.2	0.2	42	24.8	24.8	8.0	8.0	32.9	32.9	94.1	94.1	6.5	6.5	21.5	22	22	97	97	<0.2	<0.2	0.4	0.4			
						4.2	0.2	45	24.8	24.8	8.0	8.0	32.9	32.9	94.1	94.1	6.5	6.5	21.5	21	21	97	97	<0.2	<0.2	0.4	0.4			
					Bottom	7.4	0.1	295	24.8	24.8	8.0	8.0	32.9	32.9	95.8	95.9	6.6	6.6	30.5	24	24	99	99	<0.2	<0.2	0.5	0.5			
						7.4	0.1	308	24.8	24.8	8.0	8.0	32.9	32.9	95.9	95.9	6.6	6.6	30.5	24	24	99	99	<0.2	<0.2	0.6	0.6			
IM5	Cloudy	Moderate	11:23	7.7	Surface	1.0	0.1	73	24.7	24.7	8.0	8.0	32.9	32.9	93.9	93.9	6.5	6.5	20.1	19	23	94	94	820577	804929	<0.2	<0.2	0.6	0.6	
						1.0	0.1	74	24.7	24.7	8.0	8.0	32.9	32.9	93.9	93.9	6.5	6.5	20.2	20	23	94	94	<0.2	<0.2	0.5	0.5			
					Middle	3.9	0.1	18	24.7	24.7	8.0	8.0	32.8	32.8	94.2	94.2	6.5	6.5	21.2	22	22	96	96	<0.2	<0.2	0.6	0.6			
						3.9	0.1	18	24.7	24.7	8.0	8.0	32.8	32.8	94.2	94.2	6.5	6.5	21.1	22	22	96	96	<0.2	<0.2	0.5	0.5			
					Bottom	6.7	0.2	35	24.7	24.7	8.0	8.0	32.8	32.8	95.7	95.7	6.6	6.6	27.5	26	26	98	98	<0.2	<0.2	0.6	0.6			
						6.7	0.2	37	24.7	24.7	8.0	8.0	32.8	32.8	96.3	96.0	6.6	6.6	27.6	26	26	98	98	<0.2	<0.2	0.7	0.7			
IM6	Cloudy	Moderate	11:13	7.6	Surface	1.0	0.2	31	24.7	24.7	8.0	8.0	32.8	32.8	94.0	94.0	6.5	6.5	20.4	19	21	94	94	821068	805841	<0.2	<0.2	0.6	0.6	
						1.0	0.2	33	24.7	24.7	8.0	8.0	32.8	32.8	94.0	94.0	6.5	6.5	20.3	19	21	94	94	<0.2	<0.2	0.7	0.7			
					Middle	3.8	0.3	52	24.7	24.7	8.0	8.0	32.8	32.8	93.6	93.7	6.5	6.5	22.5	20	20	96	96	<0.2						

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 November 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			
IM9	Fine	Moderate	11:35	7.9	Surface	1.0	0.3	75	24.8	24.8	8.0	8.0	32.7	32.7	98.3	98.3	6.8	6.8	16.2	6.8	14	19	96	96	822094	808800	<0.2	<0.2	0.6	0.6					
						1.0	0.3	79	24.8	8.0	8.0	32.7	32.7	98.3	98.3	6.8	6.8	16.2	6.8	14	19	95	95	<0.2			<0.2	0.5	0.5						
					Middle	4.0	0.2	62	24.8	24.8	8.0	8.0	32.7	32.7	98.5	98.5	6.8	6.8	22.4	6.8	21.7	6.8	19	19			97	97	<0.2	<0.2	1.1	1.1			
						4.0	0.2	65	24.8	24.8	8.0	8.0	32.7	32.7	98.5	98.5	6.8	6.8	22.4	6.8	21.7	6.8	20	19			97	97	<0.2	<0.2	1.2	1.2			
					Bottom	6.9	0.3	60	24.8	24.8	8.0	8.0	32.7	32.7	99.2	99.2	6.8	6.8	26.6	6.8	21.7	6.8	23	19			98	98	<0.2	<0.2	0.7	0.7			
						6.9	0.3	61	24.8	24.8	8.0	8.0	32.7	32.7	99.2	99.2	6.8	6.8	26.6	6.8	21.7	6.8	24	19			99	99	<0.2	<0.2	0.8	0.8			
IM10	Fine	Moderate	11:45	7.9	Surface	1.0	0.3	88	24.9	24.9	8.1	8.1	32.1	32.1	104.0	104.0	7.2	7.2	8.0	7.2	7	10	96	96	822228	809852	<0.2	<0.2	1.1	1.1					
						1.0	0.3	93	24.9	24.9	8.1	8.1	32.1	32.1	104.0	104.0	7.2	7.2	8.0	7.2	7.2	7.2	6	10			95	95	<0.2	<0.2	1.1	1.1			
					Middle	4.0	0.3	99	24.9	24.9	8.1	8.1	32.1	32.1	103.2	103.2	7.1	7.1	8.6	7.1	9.2	7.1	12	10			97	97	<0.2	<0.2	1.3	1.3			
						4.0	0.3	104	24.9	24.9	8.1	8.1	32.1	32.1	103.2	103.2	7.1	7.1	8.6	7.1	9.2	7.1	13	10			98	98	<0.2	<0.2	1.4	1.4			
					Bottom	6.9	0.3	103	25.0	25.0	8.1	8.1	32.3	32.3	104.5	104.5	7.2	7.2	11.1	7.2	11.1	7.2	13	10			99	99	<0.2	<0.2	0.8	0.8			
						6.9	0.3	105	25.0	25.0	8.1	8.1	32.3	32.3	104.5	104.5	7.2	7.2	11.1	7.2	11.1	7.2	11	10			99	99	<0.2	<0.2	1.0	1.0			
IM11	Fine	Moderate	11:56	8.9	Surface	1.0	0.3	109	25.0	25.0	8.1	8.1	32.3	32.3	103.5	103.5	7.1	7.1	11.1	7.1	11	15	97	97	821487	810533	<0.2	<0.2	0.7	0.7					
						1.0	0.3	119	25.0	25.0	8.1	8.1	32.3	32.3	103.5	103.5	7.1	7.1	11.1	7.1	11.1	7.1	12	15			96	96	<0.2	<0.2	0.7	0.7			
					Middle	4.5	0.3	118	25.0	25.0	8.1	8.1	32.3	32.3	103.8	103.8	7.1	7.1	12.8	7.1	12.6	7.1	13	15			97	97	<0.2	<0.2	0.9	0.9			
						4.5	0.3	121	25.0	25.0	8.1	8.1	32.3	32.3	103.8	103.8	7.1	7.1	12.8	7.1	12.6	7.1	14	15			97	97	<0.2	<0.2	1.0	1.0			
					Bottom	7.9	0.2	127	25.0	25.0	8.1	8.1	32.3	32.3	104.5	104.5	7.2	7.2	13.9	7.2	12.6	7.2	18	15			99	99	<0.2	<0.2	0.6	0.6			
						7.9	0.2	137	25.0	25.0	8.1	8.1	32.3	32.3	104.5	104.5	7.2	7.2	13.9	7.2	12.6	7.2	19	15			99	99	<0.2	<0.2	0.8	0.8			
IM12	Fine	Moderate	12:02	9.2	Surface	1.0	0.3	114	25.1	25.1	8.1	8.1	32.4	32.4	102.6	102.6	7.0	7.0	6.2	7.0	9	10	96	96	821178	811538	<0.2	<0.2	0.7	0.7					
						1.0	0.3	122	25.1	25.1	8.1	8.1	32.4	32.4	102.6	102.6	7.0	7.0	6.2	7.0	6.2	7.0	10	10			97	97	<0.2	<0.2	0.8	0.8			
					Middle	4.6	0.3	110	25.1	25.1	8.1	8.1	32.4	32.4	102.5	102.5	7.0	7.0	8.8	7.0	8.1	7.0	9	10			97	97	<0.2	<0.2	0.6	0.6			
						4.6	0.3	110	25.1	25.1	8.1	8.1	32.4	32.4	102.5	102.5	7.0	7.0	8.8	7.0	8.1	7.0	11	10			97	97	<0.2	<0.2	0.6	0.6			
					Bottom	8.2	0.3	102	25.1	25.1	8.1	8.1	32.4	32.4	103.4	103.4	7.1	7.1	9.2	7.1	7.1	7.1	10	10			99	99	<0.2	<0.2	0.8	0.8			
						8.2	0.3	105	25.1	25.1	8.1	8.1	32.4	32.4	103.4	103.4	7.1	7.1	9.2	7.1	7.1	7.1	10	10			98	98	<0.2	<0.2	0.8	0.8			
SR2	Fine	Moderate	12:29	4.5	Surface	1.0	0.4	95	25.5	25.5	8.0	8.0	32.3	32.3	99.6	99.6	6.8	6.8	12.1	6.8	12	13	97	97	821467	814171	<0.2	<0.2	0.8	0.8					
						1.0	0.4	97	25.5	25.5	8.0	8.0	32.3	32.3	99.6	99.6	6.8	6.8	12.1	6.8	6.8	6.8	13	13			97	97	<0.2	<0.2	0.9	0.9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
					Bottom	3.5	0.3	98	25.4	25.4	8.0	8.0	32.3	32.3	101.2	101.2	6.9	6.9	14.2	6.9	6.9	6.9	13	13			99	99	<0.2	<0.2	0.6	0.6			
						3.5	0.3	98	25.4	25.4	8.0	8.0	32.3	32.3	101.2	101.2	6.9	6.9	14.2	6.9	6.9	6.9	14	13			98	98	<0.2	<0.2	0.6	0.6			
SR3	Fine	Moderate	11:24	8.7	Surface	1.0	0.3	95	24.8	24.8	8.0	8.0	32.4	32.4	98.3	98.3	6.8	6.8	15.2	6.8	10	18	-	-	822155	807578	-	-	-	-					
						1.0	0.3	99	24.8	24.8	8.0	8.0	32.4	32.4	98.3	98.3	6.8	6.8	15.2	6.8	6.8	6.8	10	18			-	-	-	-					
					Middle	4.4	0.4	73	24.8	24.8	8.0	8.0	32.4	32.4	98.2	98.2	6.8	6.8	22.3	6.8	21.7	6.8	16	18			-	-	-	-	-	-	-	-	
						4.4	0.4	79	24.8	24.8	8.0	8.0	32.4	32.4	98.2	98.2	6.8	6.8	22.3	6.8	21.7	6.8	16	18			-	-	-	-	-	-	-		
					Bottom	7.7	0.3	74	24.8	24.8	8.0	8.0	32.4	32.4	98.9	98.9	6.8	6.8	27.7	6.8	6.8	6.8	27	18			-	-	-	-	-	-	-	-	
						7.7	0.3	76	24.8	24.8	8.0	8.0	32.4	32.4	98.9	98.9	6.8	6.8	27.7	6.8	6.8	6.8	26	18			-	-	-	-	-	-	-		
SR4A	Cloudy	Moderate	12:39	8.9	Surface	1.0	0.3	83	24.5	24.5	8.0	8.0	32.8	32.8	94.0	94.0	6.5	6.5	18.3	6.5	18	18	-	-	817192	807821	-	-	-	-					
						1.0	0.3	87	24.5	24.5	8.0	8.0	32.8	32.8	94.0	94.0	6.5	6.5	18.0	6.5	6.5	6.5	19	18			-	-	-	-					
					Middle	4.5	0.3	79	24.5	24.5	8.0	8.0	32.8	32.8	93.6	93.6	6.5	6.5	20.5	6.5	20.9	6.5	18	18			-	-	-	-	-	-			
						4.5	0.3	79	24.5	24.5	8.0	8.0	32.8	32.8	93.6	93.6	6.5	6.5	20.4	6.5	20.9	6.5	17	18			-	-	-	-	-	-			
					Bottom	7.9	0.3	59	24.5	24.5	8.0	8.0	32.8	32.8	94.1	94.2	6.5	6.5	24.2	6.5	6.5	6.5	18	18			-	-	-	-	-	-	-		
						7.9	0.3	64	24.5	24.5	8.0	8.0	32.8	32.8	94.2	94.2	6.5	6.5	24.0	6.5	6.5	6.5	17	18			-	-	-	-	-	-			
SR5A	Cloudy	Moderate	12:55	5.2	Surface	1.0	0.1	1	24.8	24.8	8.1	8.1	32.4	32.4	97.8	97.8	6.8	6.8	15.1	6.8	11	14	-	-	816589	810705	-	-	-	-					
						1.0	0.1	1	24.8	24.8	8.1	8.1	32.4	32.4	97.7	97.7	6.7	6.7	14.8	6.7	6.8	6.8	11	14			-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-			
					Bottom	4.2	0.1	93	24.6	24.6	8.0	8.0	32.5	32.5	96.8	96.9	6.7	6.7	15.3	6.7	6.7	6.7	16	14			-	-	-	-	-	-			
						4.2	0.1	102	24.6	24.6	8.0	8.0	32.5	32.5	97.0	97.0	6.7	6.7	15.4	6.7	6.7	6.7													

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	07:17	8.4	Surface	1.0	0.5	56	24.7	8.0	8.0	32.7	32.7	94.8	94.8	6.5	6.5	20.5	21.7	22	26	93	96	815627	804234	<0.2	<0.2	0.8	0.9	
						1.0	0.5	61	24.7	24.7	8.0	8.0	32.7	32.7	94.8	94.8	6.5	6.5	20.3	21.7	24	26	94	96	<0.2	<0.2	0.9	0.9		
						4.2	0.6	45	24.7	24.7	8.0	8.0	32.7	32.7	94.5	94.5	6.5	6.5	21.4	21.7	27	26	96	96	<0.2	<0.2	1.0	1.0		
					Middle	4.2	0.6	45	24.7	24.7	8.0	8.0	32.7	32.7	94.5	94.5	6.5	6.5	21.3	21.7	28	26	96	96	<0.2	<0.2	1.0	1.0		
						7.4	0.5	51	24.7	24.7	8.0	8.0	32.7	32.7	95.1	95.1	6.6	6.6	23.4	21.7	29	26	98	98	<0.2	<0.2	0.7	0.8		
						7.4	0.6	51	24.7	24.7	8.0	8.0	32.7	32.7	95.3	95.2	6.6	6.6	23.5	21.7	27	26	98	98	<0.2	<0.2	0.8	0.8		
C2	Fine	Rough	07:53	11.8	Surface	1.0	0.4	338	25.1	25.1	8.0	8.0	30.8	30.8	101.4	101.4	7.0	7.0	10.0	15.4	8	9	96	97	825691	806946	<0.2	<0.2	1.5	1.4
						1.0	0.4	351	25.1	25.1	8.0	8.0	30.8	30.8	101.4	101.4	7.0	7.0	10.0	15.4	9	9	95	97	<0.2	<0.2	1.6	1.4		
						5.9	0.5	351	25.1	25.1	8.0	8.0	30.8	30.8	100.7	100.7	7.0	7.0	13.6	15.4	8	9	97	97	<0.2	<0.2	1.3	1.3		
					Middle	5.9	0.6	323	25.1	25.1	8.0	8.0	30.8	30.8	100.7	100.7	7.0	7.0	13.6	15.4	10	9	98	99	<0.2	<0.2	1.3	1.3		
						10.8	0.5	357	25.2	25.2	8.0	8.0	30.9	30.9	101.1	101.1	7.0	7.0	22.5	15.4	10	9	99	99	<0.2	<0.2	1.3	1.3		
						10.8	0.5	328	25.2	25.2	8.0	8.0	30.9	30.9	101.1	101.1	7.0	7.0	22.5	15.4	11	9	99	99	<0.2	<0.2	1.4	1.4		
C3	Fine	Moderate	06:00	11.4	Surface	1.0	0.6	268	25.4	25.4	8.0	8.0	32.2	32.2	99.8	99.8	6.8	6.8	14.2	17.7	11	13	96	99	822092	817802	<0.2	<0.2	0.9	1.0
						1.0	0.6	275	25.4	25.4	8.0	8.0	32.2	32.2	99.8	99.8	6.8	6.8	14.2	17.7	10	13	97	99	<0.2	<0.2	1.0	1.0		
						5.7	0.5	271	25.4	25.4	8.0	8.0	32.2	32.2	99.5	99.5	6.8	6.8	19.3	17.7	12	13	98	99	<0.2	<0.2	1.0	1.0		
					Middle	5.7	0.5	285	25.4	25.4	8.0	8.0	32.2	32.2	99.5	99.5	6.8	6.8	19.3	17.7	13	13	98	99	<0.2	<0.2	1.0	1.0		
						10.4	0.5	272	25.4	25.4	8.0	8.0	32.4	32.4	98.9	98.9	6.8	6.8	19.6	17.7	18	13	102	99	<0.2	<0.2	1.1	1.1		
						10.4	0.5	285	25.4	25.4	8.0	8.0	32.4	32.4	98.9	98.9	6.8	6.8	19.6	17.7	16	13	102	99	<0.2	<0.2	1.1	1.1		
IM1	Cloudy	Moderate	07:34	7.6	Surface	1.0	0.5	5	24.5	24.5	8.1	8.1	32.4	32.4	97.1	97.1	6.7	6.7	20.1	21.7	21	22	94	96	818362	806459	<0.2	<0.2	1.4	1.3
						1.0	0.5	5	24.5	24.5	8.1	8.1	32.4	32.4	97.1	97.1	6.7	6.7	20.2	21.7	21	22	94	96	<0.2	<0.2	1.4	1.3		
						3.8	0.6	9	24.5	24.5	8.1	8.1	32.5	32.5	96.7	96.7	6.7	6.7	23.2	21.7	22	22	96	96	<0.2	<0.2	1.4	1.3		
					Middle	3.8	0.6	9	24.5	24.5	8.1	8.1	32.5	32.5	96.6	96.6	6.7	6.7	23.4	21.7	20	22	96	96	<0.2	<0.2	1.3	1.3		
						6.6	0.5	9	24.5	24.5	8.1	8.1	32.5	32.5	96.6	96.6	6.7	6.7	21.5	21.7	22	22	97	97	<0.2	<0.2	1.2	1.2		
						6.6	0.6	9	24.5	24.5	8.1	8.1	32.5	32.5	96.5	96.5	6.7	6.7	21.6	21.7	22	22	97	97	<0.2	<0.2	1.2	1.2		
IM2	Cloudy	Moderate	07:40	8.6	Surface	1.0	0.6	20	24.5	24.5	8.1	8.1	32.4	32.4	97.2	97.2	6.7	6.7	17.2	19.2	14	17	94	96	818857	806179	<0.2	<0.2	1.3	1.1
						1.0	0.7	20	24.5	24.5	8.1	8.1	32.4	32.4	97.2	97.2	6.7	6.7	17.1	19.2	14	17	94	96	<0.2	<0.2	1.1	1.1		
						4.3	0.6	20	24.5	24.5	8.1	8.1	32.4	32.4	97.1	97.1	6.7	6.7	19.9	19.2	18	17	96	96	<0.2	<0.2	1.0	1.0		
					Middle	4.3	0.7	21	24.5	24.5	8.1	8.1	32.4	32.4	97.1	97.1	6.7	6.7	19.9	19.2	18	17	96	96	<0.2	<0.2	1.1	1.1		
						7.6	0.6	16	24.5	24.5	8.1	8.1	32.4	32.4	97.3	97.4	6.7	6.8	20.4	19.2	18	17	98	98	<0.2	<0.2	1.1	1.1		
						7.6	0.6	17	24.5	24.5	8.1	8.1	32.4	32.4	97.4	97.4	6.8	6.8	20.6	19.2	18	17	98	98	<0.2	<0.2	0.8	0.8		
IM3	Cloudy	Moderate	07:47	8.5	Surface	1.0	0.6	20	24.5	24.5	8.1	8.1	32.5	32.5	97.2	97.2	6.7	6.7	17.7	19.7	14	14	94	96	819402	806007	<0.2	<0.2	0.8	0.8
						1.0	0.7	20	24.5	24.5	8.1	8.1	32.5	32.5	97.2	97.2	6.7	6.7	17.6	19.7	15	14	94	96	<0.2	<0.2	0.9	0.9		
						4.3	0.6	23	24.5	24.5	8.1	8.1	32.4	32.4	97.0	97.0	6.7	6.7	20.3	19.7	14	14	96	96	<0.2	<0.2	1.0	1.0		
					Middle	4.3	0.7	25	24.5	24.5	8.1	8.1	32.4	32.4	97.0	97.0	6.7	6.7	20.2	19.7	14	14	96	96	<0.2	<0.2	1.0	1.0		
						7.5	0.6	17	24.5	24.5	8.1	8.1	32.4	32.4	96.9	97.0	6.7	6.7	21.3	19.7	14	14	98	98	<0.2	<0.2	0.8	0.8		
						7.5	0.6	18	24.5	24.5	8.1	8.1	32.4	32.4	97.0	97.0	6.7	6.7	21.1	19.7	15	14	98	98	<0.2	<0.2	0.7	0.7		
IM4	Cloudy	Moderate	07:55	7.5	Surface	1.0	0.7	12	24.5	24.5	8.0	8.0	32.4	32.4	97.0	97.0	6.7	6.7	17.6	19.9	12	13	93	96	819579	805040	<0.2	<0.2	1.1	1.2
						1.0	0.7	12	24.5	24.5	8.0	8.0	32.4	32.4	97.0	97.0	6.7	6.7	17.7	19.9	14	13	94	96	<0.2	<0.2	1.2	1.2		
						3.8	0.6	13	24.5	24.5	8.0	8.0	32.5	32.5	96.3	96.4	6.7	6.7	19.7	19.9	12	13	96	97	<0.2	<0.2	1.2	1.2		
					Middle	3.8	0.6	14	24.5	24.5	8.0	8.0	32.5	32.5	96.4	96.4	6.7	6.7	19.8	19.9	14	13	97	98	<0.2	<0.2	1.2	1.2		
						6.5	0.5	4	24.5	24.5	8.0	8.0	32.6	32.6	96.6	96.7	6.7	6.7	22.2	19.9	13	13	98	98	<0.2	<0.2	1.2	1.2		
						6.5	0.6	4	24.5	24.5	8.0	8.0	32.6	32.6	96.7	96.7	6.7	6.7	22.3	19.9	13	13	98	98	<0.2	<0.2	1.2	1.2		
IM5	Cloudy	Moderate	08:08	7.1	Surface	1.0	0.7	20	24.5	24.5	8.1	8.1	32.5	32.5	96.8	96.8	6.7	6.7	11.4	15.7	10	11	94	96	820784	805028	<0.2	<0.2	1.4	1.5
						1.0	0.7	21	24.5	24.5	8.1	8.1	32.5	32.5	96.8	96.8	6.7	6.7	11.5	15.7	11	11	94	96	<0.2	<0.2	1.5	1.4		
						3.6	0.6	19	24.5	24.5	8.0	8.0	32.5	32.5	96.7	96.7	6.7	6.7	15.9	15.7	12	11	96	99	<0.2	<0.2	1.4	1.5		
					Middle	3.6	0.6	20	24.5	24.5	8.0	8.0	32.5	32.5	96.7	96.7	6.7	6.7	15.9	15.7	11	11	96	99	<0.2	<0.2	1.5	1.5		
						6.1	0.5	13	24.5	24.5	8.0	8.0	32.5	32.5	96.7	96.7	6.7	6.7	19.7	15.7	11	11	99	99	<0.2	<0.2	1.5	1.5		
						6.1	0.5	14	24.5	24.5	8.0	8.0	32.5	32.5	96.8	96.8	6.7	6.7	19.7	15.7	11	11	99	99	<0.2	<0.2	1.4	1.4		
IM6	Cloudy	Moderate	08:15	7.3	Surface	1.0	0.4	32	24.7	24.7	8.1	8.1	32.1	32.1	99.1	99.1	6.9	6.9	10.6	15.0	11	11	94	96	821061	805838	<0.2	<0.2	1.2	1.3
						1.0	0.4																							

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	07:16	6.8	Surface	1.0	0.3	346	25.0	8.1	8.1	31.8	31.8	101.0	101.0	7.0	7.0	16.8	19.6	13	16	96	97	822094	808821	<0.2	<0.2	1.4	1.2							
						1.0	0.3	318	25.0	8.1	8.1	31.8	31.8	101.0	101.0	7.0	7.0	16.8	19.6	15	16	95	97	<0.2	<0.2	1.2	1.2									
					Middle	3.4	0.3	334	25.0	25.0	8.1	8.1	31.8	31.8	100.9	100.9	7.0	7.0	20.2	20.2	16	17	97	97	<0.2	<0.2	1.3	1.1								
						3.4	0.3	353	25.0	25.0	8.1	8.1	31.8	31.8	100.9	100.9	7.0	7.0	20.2	20.2	17	16	97	97	<0.2	<0.2	1.3	1.1								
					Bottom	5.8	0.3	331	25.0	25.0	8.1	8.1	32.0	32.0	100.6	100.6	6.9	6.9	21.8	21.8	16	24	98	99	<0.2	<0.2	0.8	0.8								
						5.8	0.3	333	25.0	25.0	8.1	8.1	32.0	32.0	100.6	100.6	6.9	6.9	21.8	21.8	16	24	98	99	<0.2	<0.2	0.8	0.8								
IM10	Fine	Moderate	07:08	7.1	Surface	1.0	0.6	315	25.0	25.0	8.1	8.1	32.1	32.1	101.3	101.3	7.0	7.0	16.5	21.5	24	24	96	97	822226	809845	<0.2	<0.2	0.7	0.9						
						1.0	0.7	321	25.0	25.0	8.1	8.1	32.1	32.1	101.3	101.3	7.0	7.0	16.5	21.5	24	24	96	97	<0.2	<0.2	0.8	1.3								
					Middle	3.6	0.6	315	25.0	25.0	8.1	8.1	32.2	32.2	100.9	100.9	7.0	7.0	22.8	22.8	25	24	97	97	<0.2	<0.2	0.8	0.8								
						3.6	0.6	330	25.0	25.0	8.1	8.1	32.2	32.2	100.9	100.9	7.0	7.0	22.8	22.8	24	24	97	97	<0.2	<0.2	0.8	0.8								
					Bottom	6.1	0.5	321	25.0	25.0	8.1	8.1	32.2	32.2	100.4	100.4	6.9	6.9	25.1	25.1	24	23	99	98	<0.2	<0.2	0.8	0.8								
						6.1	0.5	329	25.0	25.0	8.1	8.1	32.2	32.2	100.4	100.4	6.9	6.9	25.1	25.1	24	23	99	98	<0.2	<0.2	0.8	0.8								
IM11	Fine	Moderate	06:58	8.0	Surface	1.0	0.6	297	25.1	25.1	8.1	8.1	32.3	32.3	103.9	103.9	7.1	7.1	15.6	19.3	20	20	96	98	821495	810526	<0.2	<0.2	0.7	0.7						
						1.0	0.6	312	25.1	25.1	8.1	8.1	32.3	32.3	103.9	103.9	7.1	7.1	15.6	19.3	20	20	96	98	<0.2	<0.2	0.7	0.7								
					Middle	4.0	0.6	296	25.1	25.1	8.1	8.1	32.3	32.3	103.7	103.7	7.1	7.1	18.6	20	20	20	97	99	<0.2	<0.2	0.6	0.8								
						4.0	0.7	310	25.1	25.1	8.1	8.1	32.3	32.3	103.7	103.7	7.1	7.1	18.6	20	20	20	98	99	<0.2	<0.2	0.7	0.8								
					Bottom	7.0	0.5	297	25.1	25.1	8.1	8.1	32.3	32.3	103.2	103.2	7.1	7.1	24.1	24.1	20	19	99	100	<0.2	<0.2	0.8	0.7								
						7.0	0.6	313	25.1	25.1	8.1	8.1	32.3	32.3	103.2	103.2	7.1	7.1	23.2	23.2	19	19	100	100	<0.2	<0.2	0.7	0.7								
IM12	Fine	Moderate	06:50	7.9	Surface	1.0	0.7	274	25.0	25.0	8.1	8.1	32.1	32.1	101.2	101.2	7.0	7.0	16.9	21.2	16	17	97	98	821151	811527	<0.2	<0.2	0.7	0.7						
						1.0	0.7	281	25.0	25.0	8.1	8.1	32.1	32.1	101.2	101.2	7.0	7.0	16.9	21.2	17	17	96	97	<0.2	<0.2	0.5	0.8								
					Middle	4.0	0.6	274	25.0	25.0	8.1	8.1	32.1	32.1	101.0	101.0	7.0	7.0	21.8	21	21	21	97	99	<0.2	<0.2	0.8	0.8								
						4.0	0.7	290	25.0	25.0	8.1	8.1	32.1	32.1	101.0	101.0	7.0	7.0	21.8	21	21	21	98	99	<0.2	<0.2	0.8	0.7								
					Bottom	6.9	0.5	275	25.0	25.0	8.1	8.1	32.1	32.1	100.5	100.5	6.9	6.9	25.0	21	21	21	99	99	<0.2	<0.2	0.7	0.6								
						6.9	0.5	300	25.0	25.0	8.1	8.1	32.1	32.1	100.5	100.5	6.9	6.9	25.0	21	21	21	99	99	<0.2	<0.2	0.6	0.6								
SR2	Fine	Moderate	06:22	3.5	Surface	1.0	0.1	138	25.1	25.1	8.0	8.0	32.1	32.1	100.1	100.1	6.9	6.9	21.2	21.4	16	17	96	97	821481	814160	<0.2	<0.2	0.8	0.9						
						1.0	0.1	147	25.1	25.1	8.0	8.0	32.1	32.1	100.1	100.1	6.9	6.9	21.2	21.4	16	17	96	97	<0.2	<0.2	0.8	0.9								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	2.5	0.1	153	25.1	25.1	8.0	8.0	32.1	32.1	99.9	99.9	6.9	6.9	21.5	18	18	18	98	99	<0.2	<0.2	0.8	0.7								
						2.5	0.1	153	25.1	25.1	8.0	8.0	32.1	32.1	99.9	99.9	6.9	6.9	21.5	17	17	17	99	99	<0.2	<0.2	0.8	0.7								
SR3	Fine	Moderate	07:30	8.3	Surface	1.0	0.4	13	25.0	25.0	8.1	8.1	31.0	31.0	101.4	101.4	7.0	7.0	16.3	22.1	13	12	-	-	822141	807574	-	-	-	-						
						1.0	0.4	14	25.0	25.0	8.1	8.1	31.0	31.0	101.4	101.4	7.0	7.0	16.3	22.1	11	12	-	-	-	-	-	-	-	-						
					Middle	4.2	0.5	13	25.0	25.0	8.1	8.1	31.4	31.4	100.9	100.9	7.0	7.0	22.8	12	12	12	-	-	-	-	-	-	-	-	-					
						4.2	0.5	13	25.0	25.0	8.1	8.1	31.4	31.4	100.9	100.9	7.0	7.0	22.8	12	12	12	-	-	-	-	-	-	-	-	-					
					Bottom	7.3	0.4	9	25.0	25.0	8.1	8.1	31.4	31.4	100.9	100.9	7.0	7.0	27.3	11	11	11	-	-	-	-	-	-	-	-	-	-				
						7.3	0.4	9	25.0	25.0	8.1	8.1	31.4	31.4	100.9	100.9	7.0	7.0	27.3	11	11	11	-	-	-	-	-	-	-	-	-	-				
SR4A	Fine	Moderate	06:55	9.0	Surface	1.0	0.1	230	24.8	24.8	8.0	8.0	32.4	32.4	95.4	95.4	6.6	6.6	18.0	19.8	17	18	-	-	817205	807803	-	-	-	-						
						1.0	0.2	243	24.8	24.8	8.0	8.0	32.4	32.4	95.4	95.4	6.6	6.6	18.2	18	18	18	-	-	-	-	-	-	-	-						
					Middle	4.5	0.1	245	24.8	24.8	8.0	8.0	32.4	32.4	95.2	95.2	6.6	6.6	19.8	17	17	17	-	-	-	-	-	-	-	-	-					
						4.5	0.1	267	24.8	24.8	8.0	8.0	32.4	32.4	95.2	95.2	6.6	6.6	19.6	18	18	18	-	-	-	-	-	-	-	-	-					
					Bottom	8.0	0.1	254	24.8	24.8	8.0	8.0	32.4	32.4	95.6	95.6	6.6	6.6	21.6	20	20	20	-	-	-	-	-	-	-	-	-					
						8.0	0.2	269	24.8	24.8	8.0	8.0	32.4	32.4	95.7	95.7	6.6	6.6	21.6	22	22	22	-	-	-	-	-	-	-	-	-					
SR5A	Fine	Moderate	06:39	4.8	Surface	1.0	0.3	307	24.8	24.8	8.1	8.1	32.4	32.4	98.8	98.8	6.8	6.8	16.7	17.3	14	18	-	-	816610	810702	-	-	-	-						
						1.0	0.3	316	24.8	24.8	8.1	8.1	32.4	32.4	98.9	98.9	6.8	6.8	16.7	17.3	13	18	-	-	-	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.8	0.3	310	24.8	24.8	8.1	8.1	32.4	32.4	101.0	101.0	7.0	7.0	17.9	22	22	22	-	-	-	-	-	-	-	-						
						3.8	0.3	319	24.8	24.8	8.1	8.1	32.4	32.4	101.6	101.6	7.0	7.0	18.0	23	23	23	-	-	-	-	-	-	-	-						
SR6	Fine	Moderate	06:01	4.1	Surface	1.0	0.1	257	24.8	24.8	8.1	8.1	31.6	31.6	100.9	100.9	7.0	7.0	10.4	10.7	12	14	-	-	817898	814661	-	-	-	-						

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 November 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:41	8.7	Surface	1.0	0.2	202	24.5	24.5	8.0	8.0	32.4	32.4	94.6	94.6	6.6	6.6	12.6	12.5	10	11	96	99	815601	804262	<0.2	<0.2	0.6	0.7
						1.0	0.2	205	24.5	8.0	8.0	32.4	32.4	94.5	94.6	6.6	6.6	13.0	12.5	10	11	96	99	815601	804262	<0.2	<0.2	0.7	0.7	
					Middle	4.4	0.2	210	24.5	24.5	8.0	8.0	32.4	32.4	94.6	94.6	6.6	6.6	11.9	12.1	10	11	99	99	815601	804262	<0.2	<0.2	0.6	0.6
						4.4	0.3	212	24.5	24.5	8.0	8.0	32.4	32.4	94.6	94.6	6.6	6.6	12.1	12.1	11	11	99	99	815601	804262	<0.2	<0.2	0.6	0.6
					Bottom	7.7	0.2	198	24.5	24.5	8.0	8.0	32.4	32.4	95.0	95.0	6.6	6.6	12.7	12.7	11	11	101	101	815601	804262	<0.2	<0.2	0.6	0.6
						7.7	0.2	198	24.5	24.5	8.0	8.0	32.4	32.4	95.3	95.2	6.6	6.6	12.7	12.7	12	12	100	100	815601	804262	<0.2	<0.2	0.8	0.8
C2	Fine	Rough	13:29	12.1	Surface	1.0	0.3	65	24.6	24.6	8.0	8.0	31.5	31.5	93.3	93.3	6.5	6.5	11.2	16.6	8	15	94	96	825697	806947	<0.2	<0.2	1.2	1.2
						1.0	0.3	65	24.6	24.6	8.0	8.0	31.5	31.5	93.0	93.0	6.5	6.5	11.3	16.6	10	15	94	96	825697	806947	<0.2	<0.2	1.3	1.3
					Middle	6.1	0.2	44	24.6	24.6	8.0	8.0	31.5	31.5	93.0	93.0	6.5	6.5	12.7	12.9	17	15	96	96	825697	806947	<0.2	<0.2	1.2	1.2
						6.1	0.3	45	24.5	24.6	8.0	8.0	31.5	31.5	93.1	93.1	6.5	6.5	12.9	12.9	18	15	96	96	825697	806947	<0.2	<0.2	1.1	1.1
					Bottom	11.1	0.2	15	24.5	24.5	8.1	8.1	31.5	31.5	93.1	93.1	6.5	6.5	24.9	24.9	20	15	99	99	825697	806947	<0.2	<0.2	1.2	1.2
						11.1	0.2	16	24.5	24.5	8.1	8.1	31.5	31.5	93.3	93.2	6.5	6.5	26.4	26.4	19	15	98	98	825697	806947	<0.2	<0.2	1.2	1.2
C3	Fine	Moderate	15:24	12.6	Surface	1.0	0.3	70	24.8	24.8	8.0	8.0	32.2	32.2	92.1	92.1	6.4	6.4	8.1	11.1	8	9	96	99	822122	817812	<0.2	<0.2	0.9	0.7
						1.0	0.3	71	24.8	24.8	8.0	8.0	32.2	32.2	92.0	92.0	6.4	6.4	8.0	11.1	9	9	97	100	822122	817812	<0.2	<0.2	0.7	0.6
					Middle	6.3	0.3	83	24.8	24.8	8.0	8.0	32.2	32.2	90.4	90.3	6.2	6.2	8.2	11.1	7	9	100	98	822122	817812	<0.2	<0.2	0.6	0.7
						6.3	0.3	90	24.8	24.8	8.0	8.0	32.2	32.2	90.2	90.3	6.2	6.2	8.2	11.1	7	9	98	101	822122	817812	<0.2	<0.2	0.7	0.7
					Bottom	11.6	0.3	102	25.0	25.0	8.0	8.0	32.3	32.3	88.7	88.8	6.1	6.1	16.6	16.6	12	9	101	101	822122	817812	<0.2	<0.2	0.7	0.7
						11.6	0.3	103	25.0	25.0	8.0	8.0	32.3	32.3	88.8	88.8	6.1	6.1	17.3	17.3	11	9	102	102	822122	817812	<0.2	<0.2	0.6	0.6
IM1	Cloudy	Rough	14:23	7.2	Surface	1.0	0.2	102	24.4	24.4	8.0	8.0	32.2	32.2	94.0	94.0	6.5	6.5	12.5	15.1	11	12	97	98	818340	806448	<0.2	<0.2	0.8	0.8
						1.0	0.2	111	24.4	24.4	8.0	8.0	32.2	32.2	93.9	94.0	6.5	6.5	12.6	15.1	12	12	97	98	818340	806448	<0.2	<0.2	0.8	0.8
					Middle	3.6	0.2	169	24.3	24.3	8.0	8.0	32.2	32.2	93.2	93.2	6.5	6.5	14.5	15.1	12	12	98	99	818340	806448	<0.2	<0.2	0.7	0.7
						3.6	0.2	185	24.3	24.3	8.0	8.0	32.2	32.2	93.2	93.2	6.5	6.5	14.6	15.1	11	12	99	99	818340	806448	<0.2	<0.2	0.7	0.7
					Bottom	6.2	0.1	107	24.3	24.3	8.0	8.0	32.2	32.2	93.1	93.2	6.5	6.5	18.0	18.1	12	12	99	99	818340	806448	<0.2	<0.2	0.8	0.7
						6.2	0.1	109	24.3	24.3	8.0	8.0	32.2	32.2	93.2	93.2	6.5	6.5	18.1	18.1	13	12	99	99	818340	806448	<0.2	<0.2	0.7	0.7
IM2	Cloudy	Rough	14:17	8.4	Surface	1.0	0.1	105	24.4	24.4	8.0	8.0	32.2	32.2	93.8	93.8	6.5	6.5	13.7	13.9	14	13	96	98	818862	806203	<0.2	<0.2	0.6	0.8
						1.0	0.1	109	24.4	24.4	8.0	8.0	32.2	32.2	93.8	93.8	6.5	6.5	13.7	13.9	13	13	96	98	818862	806203	<0.2	<0.2	0.8	0.8
					Middle	4.2	0.0	72	24.4	24.4	8.0	8.0	32.2	32.2	94.0	94.1	6.5	6.5	13.7	13.9	13	13	98	98	818862	806203	<0.2	<0.2	0.7	0.7
						4.2	0.0	73	24.4	24.4	8.0	8.0	32.2	32.2	94.1	94.1	6.5	6.5	13.8	13.9	12	13	99	99	818862	806203	<0.2	<0.2	0.8	0.8
					Bottom	7.4	0.1	212	24.4	24.4	8.0	8.0	32.3	32.3	95.2	95.6	6.6	6.6	14.2	14.3	15	13	100	101	818862	806203	<0.2	<0.2	0.7	0.8
						7.4	0.1	226	24.4	24.4	8.0	8.0	32.3	32.3	96.0	96.0	6.7	6.7	14.3	14.3	13	13	101	101	818862	806203	<0.2	<0.2	0.8	0.8
IM3	Cloudy	Rough	14:08	8.5	Surface	1.0	0.2	126	24.4	24.4	8.0	8.0	32.3	32.3	93.4	93.4	6.5	6.5	15.1	17.5	14	14	97	99	819411	806017	<0.2	<0.2	0.7	0.8
						1.0	0.2	126	24.4	24.4	8.0	8.0	32.3	32.3	93.4	93.4	6.5	6.5	15.1	17.5	14	14	97	99	819411	806017	<0.2	<0.2	0.8	0.8
					Middle	4.3	0.2	105	24.4	24.4	8.0	8.0	32.4	32.4	93.5	93.6	6.5	6.5	17.9	18.0	14	14	99	99	819411	806017	<0.2	<0.2	0.6	0.6
						4.3	0.2	109	24.4	24.4	8.0	8.0	32.4	32.4	93.6	93.6	6.5	6.5	18.0	18.0	15	14	99	101	819411	806017	<0.2	<0.2	0.7	0.7
					Bottom	7.5	0.0	27	24.4	24.4	8.0	8.0	32.5	32.5	95.6	95.7	6.6	6.6	19.7	19.7	14	14	101	101	819411	806017	<0.2	<0.2	0.7	0.7
						7.5	0.0	28	24.4	24.4	8.0	8.0	32.5	32.5	95.7	95.7	6.6	6.6	19.3	19.3	13	14	101	101	819411	806017	<0.2	<0.2	0.7	0.7
IM4	Cloudy	Rough	13:58	8.0	Surface	1.0	0.2	122	24.4	24.4	8.0	8.0	32.4	32.4	93.0	93.1	6.5	6.5	19.0	20.9	16	19	96	97	819558	805039	<0.2	<0.2	0.6	0.8
						1.0	0.3	123	24.4	24.4	8.0	8.0	32.4	32.4	93.1	93.1	6.5	6.5	19.2	20.9	17	19	96	97	819558	805039	<0.2	<0.2	0.7	0.7
					Middle	4.0	0.1	83	24.4	24.4	8.0	8.0	32.4	32.4	93.2	93.2	6.5	6.5	21.2	21.5	18	19	97	97	819558	805039	<0.2	<0.2	1.0	0.9
						4.0	0.1	84	24.4	24.4	8.0	8.0	32.4	32.4	93.2	93.2	6.5	6.5	21.5	21.5	18	19	97	97	819558	805039	<0.2	<0.2	0.9	0.9
					Bottom	7.0	0.1	75	24.4	24.4	8.0	8.0	32.5	32.5	95.5	95.9	6.6	6.6	22.1	22.1	22	19	98	98	819558	805039	<0.2	<0.2	0.8	0.8
						7.0	0.1	76	24.4	24.4	8.0	8.0	32.5	32.5	96.3	96.3	6.7	6.7	22.1	22.1	21	19	96	96	819558	805039	<0.2	<0.2	1.0	1.0
IM5	Cloudy	Rough	13:49	7.2	Surface	1.0	0.1	319	24.3	24.3	8.0	8.0	32.2	32.2	92.6	92.6	6.5	6.5	18.4	18.9	19	19	96	97	820597	804966	<0.2	<0.2	0.7	0.7
						1.0	0.1	330	24.3	24.3	8.0	8.0	32.2	32.2	92.6	92.6	6.5	6.5	18.4	18.9	19	19	96	97	820597	804966	<0.2	<0.2	0.6	0.6
					Middle	3.6	0.0	217	24.3	24.3	8.0	8.0	32.2	32.2	92.7	92.8	6.5	6.5	17.7	17.6	20	19	97	97	820597	804966	<0.2	<0.2	0.7	0.7
						3.6	0																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 November 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Rough	14:05	7.3	Surface	1.0	0.4	85	24.5	24.5	8.0	8.0	31.9	31.9	93.3	93.3	6.5	6.5	14.8	14.8	12	14	96	98	822093	808830	<0.2	<0.2	1.3	1.2						
						1.0	0.4	88	24.5	8.0	8.0	31.9	31.9	93.3	93.3	6.5	6.5	14.8	14.8	10	14	97	98	<0.2			<0.2	1.3	1.2							
					Middle	3.7	0.3	76	24.5	24.5	8.0	8.0	31.9	31.9	93.2	93.2	6.5	6.5	15.4	15.4	12	14	12	14			97	98	<0.2	<0.2	1.3	1.2				
						3.7	0.4	80	24.5	24.5	8.0	8.0	31.9	31.9	93.2	93.2	6.5	6.5	15.4	15.4	11	14	11	14			98	98	<0.2	<0.2	1.2	1.2				
					Bottom	6.3	0.3	73	24.5	24.5	8.0	8.0	31.9	31.9	93.2	93.2	6.5	6.5	22.6	22.6	20	19	20	19			20	19	99	99	<0.2	<0.2	1.0	1.0		
						6.3	0.4	79	24.5	24.5	8.0	8.0	31.9	31.9	93.2	93.2	6.5	6.5	22.6	22.6	19	19	19	19			19	19	99	99	<0.2	<0.2	1.0	1.0		
IM10	Fine	Rough	14:15	7.8	Surface	1.0	0.6	114	24.6	24.6	8.0	8.0	31.6	31.6	93.7	93.7	6.5	6.5	8.5	8.5	9	13	95	97	822238	809840	<0.2	<0.2	1.3	1.2						
						1.0	0.6	122	24.6	24.6	8.0	8.0	31.6	31.6	93.7	93.7	6.5	6.5	8.3	8.3	9	13	96	97			<0.2	<0.2	1.3	1.2						
					Middle	3.9	0.5	106	24.5	24.5	8.0	8.0	31.9	31.9	92.6	92.6	6.4	6.4	15.6	15.6	8	13	8	13			97	97	<0.2	<0.2	1.3	1.2				
						3.9	0.5	109	24.5	24.5	8.0	8.0	31.9	31.9	92.5	92.5	6.4	6.4	15.9	15.9	7	13	7	13			97	97	<0.2	<0.2	1.4	1.1				
					Bottom	6.8	0.4	102	24.5	24.5	8.0	8.0	31.9	31.9	92.1	92.1	6.4	6.4	26.9	26.9	23	23	23	23			23	23	99	99	<0.2	<0.2	1.0	1.0		
						6.8	0.4	106	24.5	24.5	8.0	8.0	31.9	31.9	92.1	92.1	6.4	6.4	29.8	29.8	23	23	23	23			23	23	98	98	<0.2	<0.2	1.1	1.1		
IM11	Fine	Rough	14:26	8.1	Surface	1.0	0.5	111	24.6	24.6	8.0	8.0	31.7	31.7	93.7	93.7	6.5	6.5	9.0	9.0	12	12	95	98	821509	810553	<0.2	<0.2	0.8	1.1						
						1.0	0.6	117	24.6	24.6	8.0	8.0	31.7	31.7	93.6	93.6	6.5	6.5	9.0	9.0	12	12	96	98			<0.2	<0.2	0.8	1.1						
					Middle	4.1	0.5	96	24.6	24.6	8.0	8.0	31.8	31.8	93.0	93.0	6.5	6.5	11.5	11.5	11	12	11	12			98	98	<0.2	<0.2	1.2	1.1				
						4.1	0.5	105	24.6	24.6	8.0	8.0	31.8	31.8	93.0	93.0	6.5	6.5	12.1	12.1	11	12	11	12			98	99	<0.2	<0.2	1.1	1.2				
					Bottom	7.1	0.4	98	24.6	24.6	8.0	8.0	31.8	31.8	93.2	93.2	6.5	6.5	20.3	20.3	13	14	13	14			99	100	<0.2	<0.2	1.2	1.2				
						7.1	0.4	105	24.6	24.6	8.0	8.0	31.8	31.8	93.3	93.3	6.5	6.5	20.5	20.5	14	14	14	14			100	100	<0.2	<0.2	1.2	1.2				
IM12	Fine	Rough	14:33	8.9	Surface	1.0	0.6	100	24.6	24.6	8.0	8.0	31.8	31.8	93.6	93.6	6.5	6.5	5.2	5.2	13	13	96	97	821168	811526	<0.2	<0.2	1.3	1.1						
						1.0	0.6	109	24.6	24.6	8.0	8.0	31.8	31.8	93.5	93.5	6.5	6.5	5.3	5.3	14	13	14	13			95	97	<0.2	<0.2	1.3	1.1				
					Middle	4.5	0.5	100	24.6	24.6	8.0	8.0	31.9	31.9	92.7	92.7	6.4	6.4	6.0	6.0	14	13	14	13			97	97	<0.2	<0.2	1.0	1.1				
						4.5	0.5	105	24.6	24.6	8.0	8.0	31.9	31.9	92.7	92.7	6.4	6.4	6.1	6.1	14	13	14	13			98	99	<0.2	<0.2	1.1	1.1				
					Bottom	7.9	0.4	105	24.6	24.6	8.0	8.0	31.9	31.9	92.8	92.8	6.4	6.4	7.5	7.5	12	13	12	13			99	99	<0.2	<0.2	1.1	0.9				
						7.9	0.4	108	24.6	24.6	8.0	8.0	31.9	31.9	92.8	92.8	6.4	6.4	7.3	7.3	13	13	13	13			99	99	<0.2	<0.2	1.0	0.9				
SR2	Rainy	Moderate	15:01	4.2	Surface	1.0	0.3	74	24.6	24.6	7.9	7.9	32.1	32.1	93.0	93.0	6.4	6.4	6.3	6.3	12	11	97	98	821468	814169	<0.2	<0.2	1.1	1.0						
						1.0	0.3	74	24.6	24.6	7.9	7.9	32.1	32.1	93.0	93.0	6.4	6.4	6.3	6.3	10	11	10	11			96	98	<0.2	<0.2	0.9	1.0				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	98	821468	814169	<0.2	<0.2	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-		
					Bottom	3.2	0.2	66	24.6	24.6	7.9	7.9	32.1	32.1	94.6	94.6	6.6	6.6	8.4	8.4	11	10	11	10			99	98	<0.2	<0.2	1.0	1.0				
						3.2	0.3	69	24.6	24.6	7.9	7.9	32.1	32.1	95.0	95.0	6.6	6.6	8.3	8.3	10	10	10	10			98	98	<0.2	<0.2	1.0	1.0				
SR3	Fine	Rough	13:49	9.1	Surface	1.0	0.4	104	24.5	24.5	8.0	8.0	31.9	31.9	94.0	94.0	6.5	6.5	12.2	12.2	17	18	-	-	822159	807553	-	-	-	-						
						1.0	0.4	105	24.5	24.5	8.0	8.0	31.9	31.9	94.0	94.0	6.5	6.5	12.1	12.1	17	18	-	-			-	-								
					Middle	4.6	0.3	82	24.4	24.4	8.0	8.0	31.9	31.9	93.6	93.6	6.5	6.5	15.9	15.9	18	18	-	-			-	-	-	-	-	-				
						4.6	0.3	87	24.4	24.4	8.0	8.0	31.9	31.9	93.6	93.6	6.5	6.5	15.9	15.9	18	18	-	-			-	-	-	-	-	-				
					Bottom	8.1	0.3	73	24.4	24.4	8.0	8.0	31.9	31.9	93.6	93.6	6.5	6.5	20.8	20.8	18	19	-	-			-	-	-	-	-	-				
						8.1	0.3	79	24.4	24.4	8.0	8.0	31.9	31.9	93.8	93.8	6.5	6.5	20.8	20.8	18	19	-	-			-	-	-	-	-	-				
SR4A	Cloudy	Moderate	15:03	8.1	Surface	1.0	0.4	71	24.3	24.3	8.0	8.0	32.2	32.2	92.5	92.5	6.5	6.5	16.8	16.8	19	19	-	-	817170	807822	-	-	-	-						
						1.0	0.4	76	24.3	24.3	8.0	8.0	32.2	32.2	92.5	92.5	6.4	6.4	16.8	16.8	19	19	-	-			-	-								
					Middle	4.1	0.3	75	24.3	24.3	8.0	8.0	32.2	32.2	92.2	92.2	6.4	6.4	22.1	22.1	17	19	-	-			-	-	-	-						
						4.1	0.4	81	24.3	24.3	8.0	8.0	32.2	32.2	92.2	92.2	6.4	6.4	22.2	22.2	19	19	-	-			-	-	-	-						
					Bottom	7.1	0.3	67	24.3	24.3	8.0	8.0	32.2	32.2	92.8	92.8	6.5	6.5	21.6	21.6	19	20	-	-			-	-	-	-						
						7.1	0.3	67	24.3	24.3	8.0	8.0	32.2	32.2	93.1	93.1	6.5	6.5	21.7	21.7	20	20	-	-			-	-	-	-						
SR5A	Cloudy	Calm	15:18	3.8	Surface	1.0	0.1	324	24.3	24.3	8.0	8.0	32.3	32.3	90.7	90.7	6.3	6.3	12.3	12.3	13	13	-	-	816577	810678	-	-	-	-						
						1.0	0.1	333	24.3	24.3	8.0	8.0	32.3	32.3	90.9	90.9	6.3	6.3	12.4	12.4	13	13	-	-			-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-					
					Bottom	2.8	0.1	328	24.3	24.3	8.0	8.0	32.3	32.3	92.1	92.1	6.4	6.4	13.2	13.2	13	13	-	-			-	-	-	-						
						2.8	0.1	344	24.3	24.3	8.0	8.0	32.3	32.3	92.2	92.2	6.4	6.4	13.3	13.3	12	12	-	-			-	-	-	-						
SR6	Cloudy	Calm	15:40	4.6	Surface	1.0	0.1	31	24.4	24.4	8.0	8.0	32																							

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	09:49	8.2	Surface	1.0	0.7	40	24.0	8.0	8.0	31.6	31.6	92.2	92.2	6.5	6.5	18.1	22.3	23	24	95	96	815611	804241	<0.2	<0.2	1.0	1.1	
						1.0	0.8	40	24.0	8.0	8.0	31.6	31.6	92.2	92.2	6.5	6.5	18.1	22.3	23	24	95	96	815611	804241	<0.2	<0.2	1.0	1.1	
					Middle	4.1	0.6	39	24.1	24.1	8.0	8.0	32.0	32.0	92.0	92.0	6.4	6.4	20.1	22.3	24	24	96	96	815611	804241	<0.2	<0.2	1.0	1.1
						4.1	0.6	41	24.1	24.1	8.0	8.0	32.0	32.0	92.0	92.0	6.4	6.4	20.1	22.3	25	24	96	96	815611	804241	<0.2	<0.2	1.1	1.1
					Bottom	7.2	0.6	30	24.2	24.2	8.0	8.0	32.0	32.0	92.1	92.1	6.4	6.4	28.8	22.3	24	24	98	98	815611	804241	<0.2	<0.2	1.2	1.1
						7.2	0.6	30	24.2	24.2	8.0	8.0	32.0	32.0	92.2	92.2	6.4	6.4	28.8	22.3	25	24	98	98	815611	804241	<0.2	<0.2	1.1	1.1
C2	Fine	Moderate	10:33	11.7	Surface	1.0	0.4	335	24.5	24.5	7.9	7.9	30.6	30.6	92.1	92.1	6.5	6.4	4.8	13	95	95	825678	806958	<0.2	<0.2	1.4	1.5		
						1.0	0.4	308	24.5	24.5	7.9	7.9	30.6	30.6	92.0	92.1	6.4	6.4	5.1	11	94	94	825678	806958	<0.2	<0.2	1.6	1.5		
					Middle	5.9	0.4	354	24.6	24.6	7.9	7.9	31.0	31.0	91.7	91.7	6.4	6.4	10.3	13.9	16	14	96	96	825678	806958	<0.2	<0.2	1.5	1.5
						5.9	0.4	326	24.6	24.6	7.9	7.9	31.1	31.0	91.7	91.7	6.4	6.4	10.3	13.9	15	14	97	97	825678	806958	<0.2	<0.2	1.5	1.5
					Bottom	10.7	0.4	26	24.5	24.5	7.9	7.9	31.3	31.3	91.8	91.9	6.4	6.4	26.4	13.9	15	14	97	97	825678	806958	<0.2	<0.2	1.5	1.5
						10.7	0.4	27	24.5	24.5	7.9	7.9	31.3	31.3	91.9	91.9	6.4	6.4	26.4	13.9	14	14	98	98	825678	806958	<0.2	<0.2	1.5	1.5
C3	Fine	Moderate	08:44	11.5	Surface	1.0	0.6	253	24.7	24.7	8.0	8.0	32.1	32.1	93.0	93.0	6.4	6.4	3.6	10	97	96	822110	817795	<0.2	<0.2	1.4	1.4		
						1.0	0.7	266	24.7	24.7	8.0	8.0	32.1	32.1	93.0	93.0	6.4	6.4	3.7	9	96	96	822110	817795	<0.2	<0.2	1.4	1.4		
					Middle	5.8	0.6	257	24.7	24.7	8.0	8.0	32.1	32.1	92.5	92.5	6.4	6.4	19.8	16.8	14	23	99	99	822110	817795	<0.2	<0.2	1.3	1.2
						5.8	0.6	261	24.7	24.7	8.0	8.0	32.1	32.1	92.5	92.5	6.4	6.4	19.9	16.8	15	23	99	99	822110	817795	<0.2	<0.2	1.0	1.0
					Bottom	10.5	0.5	263	24.7	24.7	8.0	8.0	32.1	32.1	92.7	92.7	6.4	6.4	26.9	16.8	43	23	101	101	822110	817795	<0.2	<0.2	1.1	1.1
						10.5	0.5	287	24.7	24.7	8.0	8.0	32.1	32.1	92.7	92.7	6.4	6.4	26.9	16.8	44	23	102	102	822110	817795	<0.2	<0.2	1.2	1.2
IM1	Cloudy	Moderate	10:05	7.4	Surface	1.0	0.6	18	24.2	24.2	8.1	8.1	32.1	32.1	92.4	92.4	6.5	6.5	19.1	21.0	25	25	94	96	818366	806446	<0.2	<0.2	1.1	1.0
						1.0	0.6	18	24.2	24.2	8.1	8.1	32.1	32.1	92.4	92.4	6.5	6.5	19.3	21.0	26	25	94	96	818366	806446	<0.2	<0.2	1.0	1.0
					Middle	3.7	0.5	13	24.2	24.2	8.1	8.1	32.1	32.1	92.1	92.1	6.4	6.4	20.4	21.0	24	25	96	96	818366	806446	<0.2	<0.2	1.1	1.0
						3.7	0.5	13	24.2	24.2	8.1	8.1	32.1	32.1	92.1	92.1	6.4	6.4	20.4	21.0	24	25	96	96	818366	806446	<0.2	<0.2	1.0	1.0
					Bottom	6.4	0.4	12	24.2	24.2	8.1	8.1	32.2	32.2	92.5	92.5	6.5	6.5	23.2	21.0	25	25	98	98	818366	806446	<0.2	<0.2	1.0	1.0
						6.4	0.4	12	24.2	24.2	8.1	8.1	32.2	32.2	92.5	92.5	6.5	6.5	23.4	21.0	25	25	98	98	818366	806446	<0.2	<0.2	1.0	1.0
IM2	Cloudy	Moderate	10:13	8.3	Surface	1.0	0.6	19	24.2	24.2	8.1	8.1	32.1	32.1	92.4	92.4	6.5	6.5	18.2	21.5	26	25	94	95	818843	806208	<0.2	<0.2	1.0	1.2
						1.0	0.7	19	24.2	24.2	8.1	8.1	32.1	32.1	92.4	92.4	6.5	6.5	18.3	21.5	25	25	95	96	818843	806208	<0.2	<0.2	1.2	1.3
					Middle	4.2	0.6	12	24.2	24.2	8.1	8.1	32.1	32.1	92.0	92.0	6.4	6.4	20.8	21.5	25	25	96	96	818843	806208	<0.2	<0.2	1.4	1.1
						4.2	0.6	12	24.2	24.2	8.1	8.1	32.1	32.1	92.0	92.0	6.4	6.4	20.8	21.5	25	25	96	96	818843	806208	<0.2	<0.2	1.1	1.1
					Bottom	7.3	0.5	16	24.2	24.2	8.1	8.1	32.1	32.1	92.8	92.9	6.5	6.5	25.5	21.5	25	25	98	98	818843	806208	<0.2	<0.2	1.4	1.4
						7.3	0.5	17	24.2	24.2	8.1	8.1	32.1	32.1	92.9	92.9	6.5	6.5	25.2	21.5	25	25	99	99	818843	806208	<0.2	<0.2	1.4	1.4
IM3	Cloudy	Moderate	10:21	8.2	Surface	1.0	0.5	23	24.3	24.3	8.0	8.0	32.1	32.1	92.3	92.3	6.4	6.4	18.3	19.8	20	21	94	94	819410	806003	<0.2	<0.2	1.6	1.6
						1.0	0.6	24	24.3	24.3	8.0	8.0	32.1	32.1	92.3	92.3	6.4	6.4	18.4	19.8	21	21	94	94	819410	806003	<0.2	<0.2	1.6	1.6
					Middle	4.1	0.5	25	24.3	24.3	8.0	8.0	32.1	32.1	92.1	92.1	6.4	6.4	19.8	19.8	21	21	96	96	819410	806003	<0.2	<0.2	1.6	1.6
						4.1	0.5	26	24.3	24.3	8.0	8.0	32.1	32.1	92.1	92.1	6.4	6.4	19.6	19.8	21	21	96	96	819410	806003	<0.2	<0.2	1.2	1.2
					Bottom	7.2	0.4	26	24.3	24.3	8.0	8.0	32.1	32.1	93.3	93.4	6.5	6.5	21.3	19.8	22	21	99	99	819410	806003	<0.2	<0.2	1.3	1.3
						7.2	0.5	27	24.3	24.3	8.0	8.0	32.1	32.1	93.4	93.4	6.5	6.5	21.3	19.8	23	21	99	99	819410	806003	<0.2	<0.2	1.1	1.1
IM4	Cloudy	Moderate	10:32	7.7	Surface	1.0	0.5	23	24.1	24.1	8.0	8.0	32.1	32.1	92.2	92.2	6.4	6.4	17.6	18.9	18	32	94	94	819559	805054	<0.2	<0.2	1.5	1.7
						1.0	0.5	23	24.1	24.1	8.0	8.0	32.1	32.1	92.2	92.2	6.4	6.4	17.5	18.9	30	32	94	94	819559	805054	<0.2	<0.2	1.9	1.9
					Middle	3.9	0.5	22	24.1	24.1	8.0	8.0	32.1	32.1	92.2	92.3	6.5	6.5	18.3	18.9	33	32	96	96	819559	805054	<0.2	<0.2	1.8	1.8
						3.9	0.6	22	24.1	24.1	8.0	8.0	32.1	32.1	92.3	92.3	6.5	6.5	18.2	18.9	34	32	97	97	819559	805054	<0.2	<0.2	1.7	1.7
					Bottom	6.7	0.4	14	24.1	24.1	8.0	8.0	32.1	32.1	93.8	93.8	6.6	6.6	20.7	18.9	33	32	99	99	819559	805054	<0.2	<0.2	1.7	1.7
						6.7	0.4	14	24.1	24.1	8.0	8.0	32.1	32.1	93.8	93.8	6.6	6.6	20.8	18.9	32	32	99	99	819559	805054	<0.2	<0.2	1.5	1.5
IM5	Cloudy	Moderate	10:44	7.0	Surface	1.0	0.6	20	24.2	24.2	8.0	8.0	32.1	32.1	92.3	92.3	6.5	6.5	14.5	18.5	18	19	94	94	820611	804966	<0.2	<0.2	1.7	1.7
						1.0	0.6	20	24.2	24.2	8.0	8.0	32.1	32.1	92.3	92.3	6.5	6.5	14.4	18.5	19	19	94	94	820611	804966	<0.2	<0.2	1.5	1.5
					Middle	3.5	0.6	23	24.2	24.2	8.0	8.0	32.1	32.1	92.4	92.5	6.5	6.5	19.5	18.5	19	19	97	97	820611	804966	<0.2	<0.2	1.8	1.8
						3.5	0.6	24	24.2	24.2	8.0	8.0	32.1	32.1	92.5															

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
IM9	Fine	Moderate	09:59	7.1	Surface	1.0	0.3	15	24.6	24.6	8.0	8.0	31.0	31.0	92.0	92.0	6.4	6.4	11.5	19.2	15	25	96	97	822086	808811	<0.2	1.8	2.1						
						1.0	0.4	15	24.6		8.0	8.0	31.0	31.0	91.9	92.0	6.4		11.5		15		95				<0.2	1.7							
					Middle	3.6	0.3	356	24.6	24.6	8.0	8.0	31.2	31.2	91.5	91.5	6.4	19.1	19	97	<0.2	2.2													
						3.6	0.3	328	24.6	24.6	8.0	8.0	31.2	31.2	91.5	91.5	6.4	19.1	18	97	<0.2	2.2													
					Bottom	6.1	0.3	357	24.6	24.6	8.0	8.0	31.2	31.2	92.0	92.1	6.4	26.9	40	99	<0.2	2.0													
						6.1	0.3	328	24.6	24.6	8.0	8.0	31.2	31.2	92.2	92.1	6.4	26.9	40	99	<0.2	2.4													
IM10	Fine	Moderate	09:50	7.2	Surface	1.0	0.6	323	24.6	24.6	8.0	8.0	32.0	32.0	92.3	92.3	6.4	6.4	15.6	22.5	22	32	96	97	822222	809845	<0.2	1.5	1.7						
						1.0	0.7	332	24.6		24.6	8.0	8.0	32.0	32.0	92.3	92.3		6.4		15.6		21				96	<0.2		1.7					
					Middle	3.6	0.6	321	24.6	24.6	8.0	8.0	32.1	32.1	92.2	92.2	6.4	22.3	38	97	<0.2	1.7													
						3.6	0.6	326	24.6	24.6	8.0	8.0	32.1	32.1	92.2	92.2	6.4	22.3	38	97	<0.2	1.8													
					Bottom	6.2	0.5	319	24.6	24.6	8.0	8.0	32.1	32.1	92.1	92.1	6.4	29.6	38	98	<0.2	1.8													
						6.2	0.6	319	24.6	24.6	8.0	8.0	32.1	32.1	92.1	92.1	6.4	29.6	37	99	<0.2	1.9													
IM11	Fine	Moderate	09:39	7.8	Surface	1.0	0.6	296	24.6	24.6	8.0	8.0	32.1	32.1	91.9	91.9	6.4	6.4	18.6	20.6	22	26	95	97	821513	810540	<0.2	1.2	1.6						
						1.0	0.6	309	24.6		24.6	8.0	8.0	32.1	32.1	91.9	91.9		6.4		18.6		22				96	<0.2		1.2					
					Middle	3.9	0.5	301	24.6	24.6	8.0	8.0	32.1	32.1	91.7	91.7	6.4	20.7	21	97	<0.2	1.5													
						3.9	0.5	319	24.6	24.6	8.0	8.0	32.1	32.1	91.7	91.7	6.4	20.7	22	97	<0.2	1.8													
					Bottom	6.8	0.4	298	24.5	24.5	8.0	8.0	32.1	32.1	91.6	91.7	6.4	22.5	34	98	<0.2	1.8													
						6.8	0.4	298	24.5	24.5	8.0	8.0	32.1	32.1	91.7	91.7	6.4	22.5	34	99	<0.2	1.8													
IM12	Fine	Moderate	09:31	6.5	Surface	1.0	0.6	281	24.5	24.5	8.0	8.0	32.0	32.0	92.2	92.2	6.4	6.4	13.2	20.1	27	31	96	97	821152	811507	<0.2	1.7	1.7						
						1.0	0.7	284	24.5		24.5	8.0	8.0	32.0	32.0	92.2	92.2		6.4		13.2		28				96	<0.2		1.7					
					Middle	3.3	0.6	282	24.5	24.5	8.0	8.0	32.0	32.0	92.0	92.0	6.4	18.8	31	97	<0.2	1.8													
						3.3	0.7	307	24.5	24.5	8.0	8.0	32.0	32.0	92.0	92.0	6.4	18.8	31	97	<0.2	1.6													
					Bottom	5.5	0.4	291	24.5	24.5	8.0	8.0	32.0	32.0	91.9	91.9	6.4	28.2	35	98	<0.2	1.7													
						5.5	0.5	291	24.5	24.5	8.0	8.0	32.0	32.0	91.9	91.9	6.4	28.2	34	99	<0.2	1.9													
SR2	Fine	Moderate	09:04	4.2	Surface	1.0	0.3	43	24.5	24.5	8.0	8.0	32.0	32.0	92.1	92.1	6.4	6.4	22.9	25.8	32	44	97	98	821452	814183	<0.2	1.9	1.9						
						1.0	0.3	45	24.5		24.5	8.0	8.0	32.0	32.0	92.1	92.1		6.4		22.9		33				96	<0.2		2.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
					Bottom	3.2	0.3	43	24.5	24.5	8.0	8.0	32.0	32.0	92.0	92.0	6.4	28.6	54	99	<0.2	1.9													
						3.2	0.3	43	24.5	24.5	8.0	8.0	32.0	32.0	92.0	92.0	6.4	28.6	57	98	<0.2	1.6													
SR3	Fine	Moderate	10:15	8.4	Surface	1.0	0.5	17	24.5	24.5	8.0	8.0	31.7	31.7	92.1	92.1	6.4	6.4	17.9	22.0	10	17	-	-	822159	807589	-	-	-						
						1.0	0.6	17	24.5		24.5	8.0	8.0	31.7	31.7	92.1	92.1		6.4		17.9		9				-	-							
					Middle	4.2	0.5	8	24.5	24.5	8.0	8.0	31.8	31.8	92.0	92.0	6.4	21.8	13	-	-	-													
						4.2	0.5	8	24.5	24.5	8.0	8.0	31.8	31.8	92.0	92.0	6.4	21.8	14	-	-	-													
					Bottom	7.4	0.4	5	24.5	24.5	8.0	8.0	31.8	31.8	92.1	92.1	6.4	26.3	26	-	-	-													
						7.4	0.5	5	24.5	24.5	8.0	8.0	31.8	31.8	92.1	92.1	6.4	26.3	29	-	-	-													
SR4A	Cloudy	Moderate	09:27	8.7	Surface	1.0	0.1	230	24.2	24.2	8.0	8.0	32.2	32.2	88.1	88.1	6.1	6.2	17.4	19.6	17	21	-	-	817186	807810	-	-	-						
						1.0	0.1	243	24.2		24.2	8.0	8.0	32.2	32.2	88.1	88.1		6.2		17.4		16				-	-							
					Middle	4.4	0.1	182	24.2	24.2	8.0	8.0	32.2	32.2	88.5	88.6	6.2	19.3	22	-	-	-													
						4.4	0.1	196	24.2	24.2	8.0	8.0	32.2	32.2	88.6	88.6	6.2	19.3	24	-	-	-													
					Bottom	7.7	0.0	179	24.2	24.2	8.0	8.0	32.2	32.2	90.8	91.1	6.3	22.2	22	-	-	-													
						7.7	0.0	191	24.2	24.2	8.0	8.0	32.2	32.2	91.4	91.4	6.4	22.2	24	-	-	-													
SR5A	Cloudy	Calm	09:11	4.5	Surface	1.0	0.3	288	24.3	24.3	8.0	8.0	32.2	32.2	86.8	86.8	6.1	6.1	11.8	16.7	15	17	-	-	816588	810677	-	-	-						
						1.0	0.3	289	24.3		24.3	8.0	8.0	32.2	32.2	86.8	86.8		6.1		11.9		14				-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
					Bottom	3.5	0.2	288	24.3	24.3	8.0	8.0	32.2	32.2	87.0	87.1	6.1	21.6	20	-	-	-													
						3.5	0.2	294	24.3	24.3	8.0	8.0	32.2	32.2	87.2	87.1	6.1	21.6	20	-	-	-													
SR6	Cloudy	Calm	08:46	3.7	Surface	1.0	0.2	270	24.4	24.4	7.9	7.9	31.9	31.9	89.8	89.9	6.3	6.3	12.3	16.4	20	21	-	-	817900	814649	-	-	-						
						1.0	0.2	291	24.4		24.4	7.9	7.9	31.9	31.9	89.9	89.9		6.3		12.3		20				-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
					Bottom	2.7	0.2	259	24.4	24.4	7.9	7.9	31.7	31.7	91.1	91.2	6.4	20.5	23	-	-	-													
						2.7	0.2	277	24.4	24.4	7.9	7.9	31.7	31.7	91.2	91.2	6.4	20.6	22	-	-	-													
SR7	Fine	Moderate	08:10	16.3	Surface	1.0	0.2	336	24.8	24.8	7.9	7.9	32.2	32.2	91.1	91.1	6.3	6.3	15.8	15.3	21	24	-	-	823625	823724	-	-	-						
						1.0	0.2	339	24.8		24.8	7.9	7.9	32.2	32.2	91.1	91.1		6.3		15.8		21				-	-							
					Middle	8.2	0.2	326	24.8	24.8	7.9	7.9	32.2	32.2	91.0	91.0	6.3	13.3	23	-	-	-													
						8.2	0.2	354	24.8	24.8	7.9	7.9	32.2	32.2	91.0	91.0	6.3	13.3	24	-	-	-													
					Bottom	15.3	0.3	297	24.8	24.8	7.9	7.9	32.2	32.2	90.8	90.8	6.3	16.9	25	-	-	-													
						15.3	0.3	315	24.8	24.8	7.9	7.9	32.2	32.2	90.8	90.8	6.3	16.9	27	-	-	-													
SR8	Fine	Moderate	09:22	4.2	Surface	1.0	-	-	24.6	24.6	8.0	8.0	31.6	31.6	92.8	92.8	6.5	6.5	8.4	10.4	18	18	-	-											

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

Water Quality Monitoring Results on 09 November 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	Value	DA
C1	Sunny	Moderate	16:24	8.4	1st	Surface	1.0	0.1	40	24.9	8.0	8.0	31.0	31.0	96.3	96.2	6.7	6.7	7.7	7	99	99	99	99	815598	804257	<0.2	0.9	0.8						
							1.0	0.1	40	24.9	8.0	8.0	31.0	31.0	96.1	96.2	6.7	6.7	8.1	8	99	99	99	99	99	99	815598	804257		<0.2	0.8				
					1st	Middle	4.2	0.1	158	24.8	8.0	8.0	31.6	31.6	95.3	95.3	6.6	6.6	10.8	10	99	99	99	99	99	99	815598	804257		<0.2	0.6				
							4.2	0.1	163	24.8	8.0	8.0	31.6	31.6	95.2	95.3	6.6	6.6	11.1	10	99	99	99	99	99	99	815598	804257		<0.2	0.7				
					1st	Bottom	7.4	0.1	239	24.8	8.0	8.0	31.8	31.8	95.4	95.5	6.6	6.6	11.4	12	100	100	100	100	100	100	815598	804257		<0.2	0.7				
							7.4	0.1	250	24.8	8.0	8.0	31.8	31.8	95.5	95.5	6.6	6.6	11.0	12	100	100	100	100	100	100	815598	804257		<0.2	0.9				
C2	Sunny	Moderate	15:14	12.0	1st	Surface	1.0	0.2	68	24.4	7.9	7.9	29.4	29.4	90.5	90.5	6.4	6.4	9.8	7	95	95	95	95	825705	806926	<0.2	1.7	1.6						
							1.0	0.2	74	24.4	7.9	7.9	29.4	29.4	90.5	90.5	6.4	6.4	9.8	6	96	96	96	96	96	96	825705	806926		<0.2	1.5				
					1st	Middle	6.0	0.1	90	24.4	7.9	7.9	29.7	29.7	90.1	90.1	6.4	6.4	20.6	11	97	97	97	97	97	97	825705	806926		<0.2	1.6				
							6.0	0.1	92	24.4	7.9	7.9	29.7	29.7	90.1	90.1	6.4	6.4	20.6	10	97	97	97	97	97	97	825705	806926		<0.2	1.6				
					1st	Bottom	11.0	0.1	282	24.3	7.8	7.8	29.6	29.6	90.7	90.7	6.4	6.4	24.2	18	98	98	98	98	98	98	825705	806926		<0.2	1.7				
							11.0	0.1	290	24.3	7.8	7.8	29.6	29.6	90.7	90.7	6.4	6.4	24.2	18	99	99	99	99	99	99	825705	806926		<0.2	1.7				
C3	Sunny	Moderate	17:02	11.9	1st	Surface	1.0	0.4	104	24.7	7.9	7.9	32.1	32.1	87.6	87.6	6.1	6.1	7.5	9	97	97	97	97	822079	817795	<0.2	1.2	1.3						
							1.0	0.4	107	24.7	7.9	7.9	32.1	32.1	87.6	87.6	6.1	6.1	7.5	9	97	97	97	97	97	97	822079	817795		<0.2	1.2				
					1st	Middle	6.0	0.4	99	24.7	7.9	7.9	32.1	32.1	87.4	87.4	6.1	6.1	12.3	8	99	99	99	99	99	99	822079	817795		<0.2	1.3				
							6.0	0.4	99	24.7	7.9	7.9	32.1	32.1	87.4	87.4	6.1	6.1	12.4	9	100	100	100	100	100	100	822079	817795		<0.2	1.3				
					1st	Bottom	10.9	0.4	89	24.7	7.9	7.9	32.1	32.1	88.4	88.4	6.1	6.1	22.8	10	102	102	102	102	102	102	822079	817795		<0.2	1.4				
							10.9	0.4	91	24.7	7.9	7.9	32.1	32.1	88.4	88.4	6.1	6.1	22.8	12	102	102	102	102	102	102	822079	817795		<0.2	1.4				
IM1	Sunny	Moderate	16:04	7.6	1st	Surface	1.0	0.2	68	24.8	8.0	8.0	31.1	31.1	95.6	95.6	6.7	6.6	10.3	8	97	97	97	97	818326	806443	<0.2	1.0	0.9						
							1.0	0.3	74	24.8	8.0	8.0	31.1	31.1	95.6	95.6	6.6	6.6	10.6	9	97	97	97	97	97	97	818326	806443		<0.2	1.0				
					1st	Middle	3.8	0.2	85	24.8	8.0	8.0	31.6	31.6	95.3	95.4	6.6	6.6	12.0	7	99	99	99	99	99	99	818326	806443		<0.2	1.0				
							3.8	0.2	85	24.8	8.0	8.0	31.6	31.6	95.4	95.4	6.6	6.6	12.4	7	99	99	99	99	99	99	818326	806443		<0.2	1.0				
					1st	Bottom	6.6	0.1	87	24.8	8.0	8.0	31.6	31.6	95.6	95.6	6.6	6.6	12.8	11	101	101	101	101	101	101	818326	806443		<0.2	0.8				
							6.6	0.1	91	24.8	8.0	8.0	31.6	31.6	95.5	95.5	6.6	6.6	11.5	12	101	101	101	101	101	101	818326	806443		<0.2	0.8				
IM2	Sunny	Moderate	15:58	8.7	1st	Surface	1.0	0.2	54	24.9	8.0	8.0	31.0	31.0	95.5	95.5	6.6	6.6	12.1	6	96	96	96	96	818878	806221	<0.2	1.0	0.9						
							1.0	0.2	59	24.9	8.0	8.0	31.0	31.0	95.4	95.4	6.6	6.6	12.4	7	97	97	97	97	97	97	818878	806221		<0.2	0.9				
					1st	Middle	4.4	0.1	58	24.6	8.0	8.0	31.6	31.6	94.2	94.2	6.6	6.6	20.4	10	98	98	98	98	98	98	818878	806221		<0.2	0.9				
							4.4	0.1	63	24.6	8.0	8.0	31.6	31.6	94.2	94.2	6.6	6.6	20.2	9	98	98	98	98	98	98	818878	806221		<0.2	0.8				
					1st	Bottom	7.7	0.1	289	24.6	8.0	8.0	31.7	31.7	94.9	95.0	6.6	6.6	18.4	8	99	99	99	99	99	99	818878	806221		<0.2	1.0				
							7.7	0.1	317	24.6	8.0	8.0	31.7	31.7	95.0	95.0	6.6	6.6	18.1	9	100	100	100	100	100	100	818878	806221		<0.2	1.0				
IM3	Sunny	Moderate	15:51	8.8	1st	Surface	1.0	0.2	48	24.7	8.0	8.0	31.4	31.4	94.8	94.8	6.6	6.6	13.4	9	97	97	97	97	819397	806010	<0.2	0.9	0.9						
							1.0	0.2	50	24.7	8.0	8.0	31.4	31.4	94.7	94.7	6.6	6.6	13.4	8	97	97	97	97	97	97	819397	806010		<0.2	1.0				
					1st	Middle	4.4	0.1	36	24.6	8.0	8.0	31.5	31.5	93.7	93.7	6.5	6.5	20.1	17	99	99	99	99	99	99	819397	806010		<0.2	0.7				
							4.4	0.1	38	24.6	8.0	8.0	31.5	31.5	93.7	93.7	6.5	6.5	20.2	15	99	99	99	99	99	99	819397	806010		<0.2	0.7				
					1st	Bottom	7.8	0.1	0	24.5	8.0	8.0	31.5	31.5	94.1	94.2	6.6	6.6	24.1	17	100	100	100	100	100	100	819397	806010		<0.2	0.9				
							7.8	0.1	0	24.6	8.0	8.0	31.5	31.5	94.2	94.2	6.6	6.6	24.3	17	101	101	101	101	101	101	819397	806010		<0.2	0.9				
IM4	Sunny	Moderate	15:44	8.1	1st	Surface	1.0	0.2	18	24.9	8.0	8.0	31.4	31.4	95.2	95.2	6.6	6.6	11.7	7	97	97	97	97	819556	805063	<0.2	1.0	0.8						
							1.0	0.2	19	24.9	8.0	8.0	31.4	31.4	95.2	95.2	6.6	6.6	11.6	6	97	97	97	97	97	97	819556	805063		<0.2	1.0				
					1st	Middle	4.1	0.1	317	24.6	8.0	8.0	31.7	31.7	93.4	93.4	6.5	6.5	21.7	10	99	99	99	99	99	99	819556	805063		<0.2	0.8				
							4.1	0.1	341	24.6	8.0	8.0	31.7	31.7	93.4	93.4	6.5	6.5	21.6	11	100	100	100	100	100	100	819556	805063		<0.2	0.6				
					1st	Bottom	7.1	0.1	326	24.6	8.0	8.0	31.7	31.7	93.6	93.8	6.5	6.5	30.4	23	101	101	101	101	101	101	819556	805063		<0.2	0.7				
							7.1	0.1	329	24.6	8.0	8.0	31.6	31.6	93.9	93.9	6.5	6.5	30.6	24	101	101	101	101	101	101	819556	805063		<0.2	0.8				
IM5	Sunny	Moderate	15:33	7.2	1st	Surface	1.0	0.2	31	24.6	8.0	8.0	30.6	30.6	94.0	94.0	6.6	6.6	11.7	9	97	97	97	97	820588	804897	<0.2	1.4	1.2						
							1.0	0.2	32	24.6	8.0	8.0	30.6	30.6	93.9	93.9	6.6	6.6	11.7	8	97	97	97	97	97	97	820588	804897		<0.2	1.4				
					1st	Middle	3.6	0.2	23	24.5	8.0	8.0	31.5	31.5	93.1	93.1	6.5	6.5	22.3	11	99	99	99	99	99	99	820588	804897		<0.2	1.2				
							3.6	0.2	23	24.5	8.0	8.0	31.5	31.5	93.1	93.1	6.5	6.5	22.4	11	99	99	99	99	99	99	820588	804897		<0.2	1.3				
					1st	Bottom	6.2	0.1	41	24.5	8.0	8.0																							

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

Water Quality Monitoring Results on 09 November 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
										1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd			1st	2nd	1st	2nd	1st	2nd
C1	Sunny	Moderate	11:30	8.3	Surface	1.0	0.4	28	24.5	8.0	8.0	31.7	31.7	93.8	93.8	6.5	6.5	17.2	19.7	8	13	100	101	815620	804265	<0.2	1.1	<0.2	1.0				
						2nd	1.0	0.5	28	24.5	8.0	8.0	31.7	31.7	93.8	93.8	6.5	6.5	17.2	19.7	10	13	100	101	<0.2	0.8	<0.2	1.0					
					Middle	1st	4.2	0.4	31	24.5	8.0	8.0	31.7	31.7	93.6	93.6	6.5	6.5	19.9	19.7	14	13	99	101	<0.2	0.9	<0.2	0.9	<0.2	1.0			
						2nd	4.2	0.5	31	24.5	8.0	8.0	31.7	31.7	93.5	93.6	6.5	6.5	19.8	19.7	14	13	99	101	<0.2	0.9	<0.2	0.9	<0.2	1.0			
					Bottom	1st	7.3	0.4	26	24.5	8.0	8.0	31.8	31.8	93.5	93.5	6.5	6.5	22.1	22.1	16	14	103	101	<0.2	1.0	<0.2	1.0	<0.2	1.0			
						2nd	7.3	0.4	27	24.5	8.0	8.0	31.8	31.8	93.5	93.5	6.5	6.5	22.1	22.1	14	14	103	101	<0.2	1.0	<0.2	1.0	<0.2	1.0			
C2	Sunny	Moderate	12:24	11.6	Surface	1.0	0.3	345	24.6	8.0	8.0	30.1	30.1	91.3	91.3	6.4	6.4	6.1	13.9	7	8	95	98	825695	806942	<0.2	1.5	<0.2	1.4				
						2nd	1.0	0.3	347	24.6	8.0	8.0	30.1	30.1	91.2	91.3	6.4	6.4	6.2	13.9	6	8	96	98	<0.2	1.4	<0.2	1.3					
					Middle	1st	5.8	0.3	348	24.4	8.0	8.0	30.8	30.8	89.5	89.5	6.3	6.3	10.2	10	8	10	97	98	<0.2	1.4	<0.2	1.3					
						2nd	5.8	0.3	320	24.4	8.0	8.0	30.8	30.8	89.5	89.5	6.3	6.3	10.2	10	7	10	97	98	<0.2	1.3	<0.2	1.3					
					Bottom	1st	10.6	0.3	345	24.4	8.0	8.0	31.0	31.0	90.6	90.6	6.3	6.3	25.3	10	10	10	10	102	101	<0.2	1.2	<0.2	1.2				
						2nd	10.6	0.3	359	24.4	8.0	8.0	31.0	31.0	90.6	90.6	6.3	6.3	25.3	9	10	10	10	101	101	<0.2	1.2	<0.2	1.2				
C3	Sunny	Moderate	10:30	11.3	Surface	1.0	0.3	251	24.7	8.0	8.0	31.8	31.8	91.6	91.6	6.4	6.4	6.7	12.0	7	10	99	101	822079	817774	<0.2	0.8	<0.2	0.7				
						2nd	1.0	0.4	263	24.7	8.0	8.0	31.8	31.8	91.6	91.6	6.4	6.4	6.7	12.0	9	10	98	101	<0.2	0.7	<0.2	0.7					
					Middle	1st	5.7	0.3	253	24.4	8.0	8.0	31.8	31.8	90.7	90.7	6.3	6.3	9.3	10	10	10	100	101	<0.2	0.9	<0.2	0.8					
						2nd	5.7	0.4	268	24.4	8.0	8.0	31.8	31.8	90.7	90.7	6.3	6.3	9.3	10	10	10	101	101	<0.2	0.8	<0.2	0.8					
					Bottom	1st	10.3	0.3	275	24.2	8.0	8.0	32.0	32.0	91.4	91.4	6.4	6.4	20.1	10	10	10	10	103	103	<0.2	0.8	<0.2	0.8				
						2nd	10.3	0.3	289	24.2	8.0	8.0	32.0	32.0	91.4	91.4	6.4	6.4	20.1	12	10	10	10	103	103	<0.2	0.8	<0.2	0.8				
IM1	Sunny	Moderate	11:47	7.4	Surface	1.0	0.5	17	24.8	8.1	8.1	31.3	31.3	94.5	94.5	6.6	6.6	8.1	17.4	12	12	101	100	818339	806469	<0.2	1.0	<0.2	0.9				
						2nd	1.0	0.5	17	24.8	8.1	8.1	31.3	31.3	94.5	94.5	6.6	6.6	8.4	17.4	12	12	101	100	<0.2	0.9	<0.2	0.9					
					Middle	1st	3.7	0.5	10	24.6	8.1	8.1	31.3	31.3	93.8	93.8	6.5	6.5	11.8	11	11	11	96	100	<0.2	0.8	<0.2	0.8					
						2nd	3.7	0.5	10	24.6	8.1	8.1	31.3	31.3	93.8	93.8	6.5	6.5	11.8	11	11	11	96	100	<0.2	0.9	<0.2	0.9					
					Bottom	1st	6.4	0.4	5	24.4	8.1	8.1	31.4	31.4	93.0	93.0	6.5	6.5	32.1	12	12	12	102	102	<0.2	1.0	<0.2	1.0					
						2nd	6.4	0.4	5	24.4	8.1	8.1	31.4	31.4	93.0	93.0	6.5	6.5	32.1	14	12	12	102	102	<0.2	0.9	<0.2	0.9					
IM2	Sunny	Moderate	11:55	8.1	Surface	1.0	0.5	34	24.8	8.1	8.1	31.2	31.2	93.7	93.7	6.5	6.5	8.7	18.9	8	10	95	100	818840	806204	<0.2	1.0	<0.2	1.0				
						2nd	1.0	0.5	34	24.8	8.1	8.1	31.2	31.2	93.7	93.7	6.5	6.5	8.7	18.9	10	10	95	100	<0.2	1.0	<0.2	1.0					
					Middle	1st	4.1	0.4	26	24.5	8.1	8.1	31.3	31.3	92.3	92.4	6.4	6.4	19.8	11	11	11	102	100	<0.2	1.0	<0.2	1.0					
						2nd	4.1	0.5	26	24.5	8.1	8.1	31.3	31.3	92.4	92.4	6.4	6.4	19.8	10	10	10	102	100	<0.2	1.0	<0.2	1.0					
					Bottom	1st	7.1	0.4	20	24.4	8.1	8.1	31.3	31.3	92.4	92.5	6.5	6.5	28.2	10	10	10	104	104	<0.2	1.1	<0.2	1.1					
						2nd	7.1	0.4	20	24.4	8.1	8.1	31.3	31.3	92.5	92.5	6.5	6.5	28.2	10	10	10	104	104	<0.2	1.1	<0.2	1.1					
IM3	Sunny	Moderate	12:02	8.2	Surface	1.0	0.4	23	24.6	8.0	8.0	31.0	31.0	93.0	93.1	6.5	6.5	10.5	16.3	11	11	95	99	819409	806028	<0.2	1.3	<0.2	1.3				
						2nd	1.0	0.4	24	24.6	8.0	8.0	31.0	31.0	93.1	93.1	6.5	6.5	10.5	16.3	10	11	95	99	<0.2	1.3	<0.2	1.3					
					Middle	1st	4.1	0.4	23	24.5	8.1	8.1	31.2	31.2	91.8	91.8	6.4	6.4	16.7	10	10	10	101	101	<0.2	1.3	<0.2	1.3					
						2nd	4.1	0.4	24	24.5	8.1	8.1	31.2	31.2	91.8	91.8	6.4	6.4	16.7	10	10	10	101	101	<0.2	1.2	<0.2	1.2					
					Bottom	1st	7.2	0.3	23	24.5	8.0	8.0	31.5	31.5	92.0	92.1	6.4	6.4	21.8	12	12	12	101	101	<0.2	1.3	<0.2	1.3					
						2nd	7.2	0.3	24	24.5	8.0	8.0	31.5	31.5	92.1	92.1	6.4	6.4	21.3	12	12	12	102	102	<0.2	1.2	<0.2	1.2					
IM4	Sunny	Moderate	12:09	7.6	Surface	1.0	0.5	4	24.7	8.0	8.0	31.0	31.0	91.8	91.8	6.4	6.4	10.3	16.3	10	15	98	101	819548	805014	<0.2	1.4	<0.2	1.4				
						2nd	1.0	0.5	4	24.7	8.0	8.0	31.0	31.0	91.7	91.7	6.4	6.4	10.4	16.3	9	15	99	101	<0.2	1.4	<0.2	1.4					
					Middle	1st	3.8	0.5	15	24.5	8.0	8.0	31.3	31.3	90.8	90.8	6.3	6.3	18.2	14	14	14	102	102	<0.2	0.9	<0.2	0.9					
						2nd	3.8	0.5	15	24.5	8.0	8.0	31.3	31.3	90.8	90.8	6.3	6.3	18.2	14	14	14	102	102	<0.2	1.1	<0.2	1.1					
					Bottom	1st	6.6	0.4	20	24.5	8.0	8.0	31.3	31.2	91.4	91.5	6.4	6.4	20.4	21	21	21	102	103	<0.2	1.1	<0.2	1.1					
						2nd	6.6	0.4	20	24.5	8.0	8.0	31.2	31.2	91.5	91.5	6.4	6.4	20.5	19	19	19	103	103	<0.2	1.1	<0.2	1.1					
IM5	Sunny	Moderate	12:20	6.8	Surface	1.0	0.4	13	24.7	8.0	8.0	30.9	30.9	92.1	92.1	6.4	6.4	15.1	22.2	14	16	100	100	820573	804931	<0.2	1.3	<0.2	1.3				
						2nd	1.0	0.4	13	24.7	8.0	8.0	30.9	30.9	92.1	92.1	6.4	6.4	15.1	22.2	14	16	100	100	<0.2	1.2	<0.2	1.2					
					Middle	1st	3.4	0.4	10	24.6	8.0	8.0	31.0	31.0	91.7	91.7	6.4	6.4	21.2	17	17	17	101	101	<0.2	1.1	<0.2	1.1					
						2nd	3.4	0.4	10	24.6	8.0	8.0	31.0	31.0	91.7	91.7	6.4	6.4	21.5	17	17	17	101	101	<0.2	1.1	<0.2	1.1					
					Bottom	1st	5.8	0.4	23	24.5	8.0	8.0	31.1	31.1	91.5	91.5	6.4	6.4	30.2	17	17	17	97	98	<0.2	1.2	<0.2	1.2					
						2nd	5.8	0.4	25	24.5	8.0	8.0	31.1	31.1	91.5	91.5	6.4	6.4	30.1	19	19	19	98	98	<0.2	1.2	<0.2	1.2					
IM6	Sunny	Moderate	12:28	6.6	Surface	1.0	0.3	28																									

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

Water Quality Monitoring Results on 09 November 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
IM9	Sunny	Moderate	11:49	7.0		Surface	1.0	0.3	2	24.7	8.0	8.0	30.0	30.0	92.1	92.1	6.5	6.5	11.8	9	97	99	822091	808839	<0.2	1.6	<0.2	1.6						
							1.0	0.3	2	24.7	8.0	8.0	30.0	30.0	92.1	92.1	6.5	6.5	11.8	10	96	98												
						Middle	3.5	0.3	2	24.4	8.0	8.0	30.0	30.0	91.8	91.8	6.5	6.5	13.1	10	98	98												
							3.5	0.3	2	24.4	8.0	8.0	30.0	30.0	91.8	91.8	6.5	6.5	13.1	9	99	99												
						Bottom	6.0	0.2	341	24.4	8.0	8.0	30.0	30.0	93.1	93.1	6.6	6.6	11.9	12	100	100												
							6.0	0.2	314	24.4	8.0	8.0	30.0	30.0	93.1	93.1	6.6	6.6	11.9	12	101	101												
IM10	Sunny	Moderate	11:42	7.5		Surface	1.0	0.4	322	24.5	8.0	8.0	30.5	30.5	92.0	92.0	6.5	6.5	8.9	5	95	95	822264	809856	<0.2	1.4	<0.2	1.4						
							1.0	0.4	331	24.5	8.0	8.0	30.5	30.5	92.0	92.0	6.5	6.5	8.9	4	96	96												
						Middle	3.8	0.5	317	24.3	8.0	8.0	31.0	31.0	91.6	91.6	6.4	6.4	14.7	6	97	97												
							3.8	0.5	324	24.3	8.0	8.0	31.0	31.0	91.6	91.6	6.4	6.4	14.7	7	98	98												
						Bottom	6.5	0.4	307	24.3	8.0	8.0	31.4	31.4	92.1	92.1	6.5	6.5	25.3	13	99	99												
							6.5	0.4	337	24.3	8.0	8.0	31.4	31.4	92.1	92.1	6.5	6.5	25.3	15	100	100												
IM11	Sunny	Moderate	11:29	7.2		Surface	1.0	0.4	306	24.7	8.0	8.0	30.8	30.8	93.0	93.0	6.5	6.5	7.1	7	96	96	821472	810547	<0.2	1.3	<0.2	1.2						
							1.0	0.4	317	24.7	8.0	8.0	30.8	30.8	93.0	93.0	6.5	6.5	7.1	7	95	95												
						Middle	3.6	0.3	289	24.2	8.0	8.0	31.5	31.5	91.7	91.7	6.4	6.4	25.5	7	97	97												
							3.6	0.3	305	24.2	8.0	8.0	31.5	31.5	91.7	91.7	6.4	6.4	25.5	8	97	97												
						Bottom	6.2	0.3	294	24.1	8.0	8.0	31.6	31.6	92.4	92.4	6.5	6.5	32.3	29	99	99												
							6.2	0.3	307	24.1	8.0	8.0	31.6	31.6	92.4	92.4	6.5	6.5	32.3	30	99	99												
IM12	Sunny	Moderate	11:21	8.0		Surface	1.0	0.5	282	24.4	8.0	8.0	31.3	31.3	93.8	93.8	6.6	6.6	8.2	5	96	96	821185	811498	<0.2	1.1	<0.2	1.0						
							1.0	0.5	295	24.4	8.0	8.0	31.3	31.3	93.8	93.8	6.6	6.6	8.2	4	96	96												
						Middle	4.0	0.5	279	24.2	8.0	8.0	32.0	32.0	91.7	91.7	6.4	6.4	23.1	9	98	98												
							4.0	0.5	279	24.2	8.0	8.0	32.0	32.0	91.7	91.7	6.4	6.4	23.1	7	98	98												
						Bottom	7.0	0.4	280	24.2	8.0	8.0	32.1	32.1	95.6	95.6	6.7	6.7	31.2	8	101	101												
							7.0	0.5	296	24.2	8.0	8.0	32.1	32.1	95.6	95.6	6.7	6.7	31.2	9	101	101												
SR2	Sunny	Moderate	10:50	4.5		Surface	1.0	0.2	122	24.3	8.0	8.0	31.9	31.9	93.1	93.1	6.5	6.5	17.0	19	101	101	821472	814136	<0.2	0.8	<0.2	0.8						
							1.0	0.2	131	24.3	8.0	8.0	31.9	31.9	93.1	93.1	6.5	6.5	17.0	19	100	100												
						Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
						Bottom	3.5	0.2	127	24.3	8.0	8.0	32.0	32.0	93.0	93.0	6.5	6.5	26.2	28	102	102												
							3.5	0.2	129	24.3	8.0	8.0	32.0	32.0	93.0	93.0	6.5	6.5	26.2	30	98	98												
SR3	Sunny	Moderate	12:04	8.7		Surface	1.0	0.2	352	24.7	8.0	8.0	29.7	29.7	91.9	91.9	6.5	6.5	7.5	10	-	-	822146	807554	-	-	-	-						
							1.0	0.2	324	24.7	8.0	8.0	29.7	29.7	91.8	91.8	6.4	6.4	8.0	11	-	-												
						Middle	4.4	0.3	7	24.4	8.0	8.0	30.0	30.0	90.9	90.9	6.4	6.4	10.7	9	-	-												
							4.4	0.3	7	24.4	8.0	8.0	30.0	30.0	90.9	90.9	6.4	6.4	10.7	9	-	-												
						Bottom	7.7	0.2	355	24.4	8.0	8.0	30.0	30.0	92.2	92.2	6.5	6.5	13.3	14	-	-												
							7.7	0.2	327	24.4	8.0	8.0	30.0	30.0	92.2	92.2	6.5	6.5	13.3	12	-	-												
SR4A	Sunny	Moderate	11:07	8.4		Surface	1.0	0.2	225	24.6	7.9	7.9	32.0	32.0	89.2	89.2	6.2	6.2	16.3	14	-	-	817212	807805	-	-	-	-						
							1.0	0.2	227	24.6	7.9	7.9	32.0	32.0	89.2	89.2	6.2	6.2	16.5	13	-	-												
						Middle	4.2	0.2	235	24.6	7.9	7.9	32.0	32.0	89.7	89.7	6.2	6.2	20.0	20	-	-												
							4.2	0.2	240	24.6	7.9	7.9	32.0	32.0	89.7	89.7	6.2	6.2	20.0	19	-	-												
						Bottom	7.4	0.2	235	24.5	7.9	7.9	32.1	32.1	90.2	90.2	6.3	6.3	22.3	21	-	-												
							7.4	0.2	251	24.5	7.9	7.9	32.1	32.1	90.5	90.5	6.3	6.3	21.5	21	-	-												
SR5A	Sunny	Calm	10:48	4.6		Surface	1.0	0.3	286	24.5	7.9	7.9	32.3	32.3	89.4	89.5	6.2	6.2	22.1	17	-	-	816575	810692	-	-	-	-						
							1.0	0.3	311	24.5	7.9	7.9	32.3	32.3	89.5	89.5	6.2	6.2	22.1	19	-	-												
						Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	
						Bottom	3.6	0.2	288	24.5	7.9	7.9	32.3	32.3	91.1	91.3	6.3	6.3	24.5	20	-	-												
							3.6	0.3	291	24.5	7.9	7.9	32.3	32.3	91.5	91.3	6.4	6.4	25.5	18	-	-												
SR6	Sunny	Calm	10:22	3.6		Surface	1.0	0.1	265	24.7	8.0	8.0	32.3	32.3	91.8	91.9	6.4	6.4	19.5	20	-	-	817914	814675	-	-	-	-						
							1.0	0.2	273	24.7	8.0	8.0	32.3	32.3	91.9	91.9	6.4	6.4	19.8	20	-	-												
						Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-		
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-		
						Bottom	2.6	0.1	267	24.5	7.9	7.9	32.3	32.3	93.5	93.6	6.5	6.5	23.4	20	-	-												
							2.6	0.1	279	24.5	7.9	7.9	32.3	32.3	93.7	93.6	6.5	6.5	23.4	19	-	-												
SR7	Sunny	Moderate	09:59	17.1		Surface	1.0	0.3	17	24.5	8.0	8.0	31.5	31.5	91.3	91.3	6.4	6.4	7.6	8	-	-	823616	823742	-	-	-	-						
							1.0	0.3	17	24.5	8.0	8.0	31.5	31.5	91.3	91.3	6.4	6.4	7.6	9	-	-												
						Middle	8.6	0.3	35	24.5	8.0	8.0	31.4	31.4	92.2	92.2	6.4	6.4	14.5	14	-	-												
							8.6	0.3	37	24.5	8.0	8.0	31.4	31.4	92.2	92.2	6.4	6.4	14.5	14	-	-												
						Bottom	16.1	0.2	30	24.5	8.0	8.0	31.0	31.0	94.6	94.6	6.6	6.6	15.5	18	-	-												
							16.1	0.2	31	24.5	8.0	8.0	31.0	31.0	94.6	94.6	6.6	6.6	15.5	16	-	-												
SR8	Sunny	Moderate	11:11	4.1		Surface	1.0	-	-	24.7	8.0	8.0	30.7	30.7	95.5	95.5	6.7	6.7	10.9	12	-	-	820246	811418	-	-	-	-						
							1.0	-	-	24.7	8.0	8.0	30.7	30.7	95.5	95.5	6.7	6.7	10.9	14	-	-												
						Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-		
							-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-			
						Bottom	3.1	-	-	24.7	8.0	8.0	30.7	30.7	96.5	96.5	6.7	6.7	14.1	1														

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 November 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	Calm	06:32	8.5	Surface	1.0	0.6	203	24.3	7.9	7.9	29.0	29.0	93.9	93.9	6.7	6.7	4.6	4.6	4	91	95	815597	804230	<0.2	1.4	1.2			
						1.0	0.6	205	24.3	7.9	7.9	29.0	29.0	93.9	93.9	6.7	6.7	4.6	4.6	5	92	95								
					Middle	4.3	0.5	218	24.5	24.5	8.0	8.0	30.4	30.4	93.4	93.4	6.6	6.6	6.1	6.1	5	95	95							
						4.3	0.5	232	24.5	24.5	8.0	8.0	30.4	30.4	93.4	93.4	6.6	6.6	6.2	6.2	6	95	95							
					Bottom	7.5	0.3	220	24.5	24.5	8.0	8.0	31.3	31.3	94.5	94.5	6.6	6.6	12.7	12.7	10	98	98							
						7.5	0.3	229	24.5	24.5	8.0	8.0	31.3	31.3	94.5	94.5	6.6	6.6	12.8	12.8	10	98	98							
C2	Cloudy	Moderate	07:18	11.2	Surface	1.0	0.8	171	24.9	7.9	7.9	28.8	28.8	90.7	90.7	6.4	6.4	8.6	8.6	6	92	94	825666	806939	<0.2	2.3	2.2			
						1.0	0.9	179	24.9	7.9	7.9	28.8	28.8	90.6	90.6	6.4	6.4	8.9	8.9	6	92	94								
					Middle	5.6	0.6	171	24.9	24.9	7.9	7.9	30.4	30.5	88.5	88.5	6.2	6.2	22.5	22.5	11	94	94							
						5.6	0.6	175	24.9	24.9	7.9	7.9	30.5	30.5	88.5	88.5	6.2	6.2	22.5	22.5	9	94	94							
					Bottom	10.2	0.3	170	24.8	24.8	8.0	8.0	31.3	31.3	90.5	90.5	6.3	6.3	22.7	22.7	15	96	96							
						10.2	0.3	178	24.8	24.8	8.0	8.0	31.3	31.3	90.6	90.6	6.3	6.3	22.8	22.8	15	96	96							
C3	Cloudy	Moderate	05:08	12.4	Surface	1.0	0.4	57	24.7	8.0	8.0	30.8	30.8	89.6	89.6	6.3	6.3	4.1	4.1	5	91	94	822117	817778	<0.2	1.4	1.7			
						1.0	0.4	62	24.7	24.7	8.0	8.0	30.8	30.8	89.6	89.6	6.3	6.3	4.2	4.2	7	92	94							
					Middle	6.2	0.2	81	24.9	24.9	8.0	8.0	31.6	31.6	87.0	87.0	6.0	6.0	4.6	4.6	8	94	94							
						6.2	0.2	81	24.9	24.9	8.0	8.0	31.6	31.6	87.0	87.0	6.0	6.0	4.5	4.5	8	95	95							
					Bottom	11.4	0.2	104	25.0	25.0	7.9	7.9	32.0	32.0	86.5	86.5	6.0	6.0	6.1	6.1	8	97	97							
						11.4	0.2	104	25.0	25.0	7.9	7.9	32.0	32.0	86.6	86.6	6.0	6.0	6.2	6.2	8	97	97							
IM1	Cloudy	Calm	06:54	7.3	Surface	1.0	0.5	191	24.5	24.5	8.0	8.0	30.2	30.2	93.3	93.3	6.6	6.6	6.0	6.0	7	92	95	818369	806470	<0.2	1.5	1.2		
						1.0	0.5	200	24.5	24.5	8.0	8.0	30.2	30.2	93.3	93.3	6.6	6.6	6.0	6.0	6	92	95							
					Middle	3.7	0.4	189	24.6	24.6	8.0	8.0	30.5	30.5	93.0	93.0	6.5	6.5	7.6	7.6	6	95	95							
						3.7	0.5	206	24.6	24.6	8.0	8.0	30.5	30.5	93.0	93.0	6.5	6.5	7.7	7.7	8	95	95							
					Bottom	6.3	0.3	186	24.6	24.6	8.0	8.0	30.9	30.9	93.5	93.5	6.5	6.5	11.4	11.4	12	99	99							
						6.3	0.3	186	24.6	24.6	8.0	8.0	30.9	30.9	93.5	93.5	6.5	6.5	11.4	11.4	12	99	99							
IM2	Cloudy	Calm	06:59	8.1	Surface	1.0	0.5	199	24.3	24.3	8.0	8.0	30.0	30.0	93.6	93.6	6.6	6.6	6.7	6.7	8	91	95	818851	806170	<0.2	1.2	1.2		
						1.0	0.5	205	24.3	24.3	8.0	8.0	30.0	30.0	93.6	93.6	6.6	6.6	6.8	6.8	6	91	95							
					Middle	4.1	0.4	211	24.5	24.5	8.0	8.0	30.3	30.3	93.0	93.0	6.5	6.5	10.2	10.2	9	95	95							
						4.1	0.5	224	24.5	24.5	8.0	8.0	30.3	30.3	93.0	93.0	6.5	6.5	10.2	10.2	8	96	96							
					Bottom	7.1	0.3	214	24.5	24.5	8.0	8.0	30.7	30.7	93.7	93.7	6.6	6.6	15.4	15.4	18	98	98							
						7.1	0.3	232	24.5	24.5	8.0	8.0	30.7	30.7	93.8	93.8	6.6	6.6	15.5	15.5	17	97	97							
IM3	Cloudy	Calm	07:06	8.2	Surface	1.0	0.5	202	24.3	24.3	8.0	8.0	30.0	30.0	93.5	93.5	6.6	6.6	6.9	6.9	6	92	95	819402	806016	<0.2	1.4	1.3		
						1.0	0.5	210	24.3	24.3	8.0	8.0	30.0	30.0	93.5	93.5	6.6	6.6	6.9	6.9	6	92	95							
					Middle	4.1	0.3	207	24.4	24.4	8.0	8.0	30.3	30.3	93.2	93.2	6.6	6.6	10.1	10.1	10	94	94							
						4.1	0.3	215	24.4	24.4	8.0	8.0	30.3	30.3	93.2	93.2	6.6	6.6	10.2	10.2	8	94	94							
					Bottom	7.2	0.3	204	24.4	24.4	8.0	8.0	30.7	30.7	94.5	94.5	6.6	6.6	11.8	11.8	13	98	98							
						7.2	0.4	209	24.4	24.4	8.0	8.0	30.7	30.7	94.6	94.6	6.6	6.6	11.8	11.8	14	98	98							
IM4	Cloudy	Calm	07:13	7.6	Surface	1.0	0.6	197	24.2	24.2	7.9	7.9	29.2	29.2	93.8	93.8	6.7	6.7	6.1	6.1	8	91	94	819573	805031	<0.2	1.4	1.4		
						1.0	0.6	198	24.2	24.2	7.9	7.9	29.2	29.2	93.8	93.8	6.7	6.7	6.1	6.1	8	90	94							
					Middle	3.8	0.6	200	24.3	24.3	7.9	7.9	29.3	29.3	93.1	93.1	6.6	6.6	9.0	9.0	8	93	94							
						3.8	0.7	209	24.3	24.3	7.9	7.9	29.4	29.4	93.0	93.0	6.6	6.6	9.2	9.2	10	94	94							
					Bottom	6.6	0.4	197	24.4	24.4	8.0	8.0	30.6	30.6	93.5	93.5	6.6	6.6	20.7	20.7	20	98	98							
						6.6	0.5	202	24.4	24.4	8.0	8.0	30.6	30.6	93.6	93.6	6.6	6.6	20.7	20.7	20	98	98							
IM5	Cloudy	Calm	07:25	6.4	Surface	1.0	0.7	195	24.2	24.2	7.9	7.9	28.3	28.3	92.0	92.0	6.6	6.6	7.7	7.7	8	92	94	820550	804947	<0.2	2.4	2.0		
						1.0	0.7	197	24.2	24.2	7.9	7.9	28.3	28.3	92.0	92.0	6.6	6.6	7.7	7.7	7	92	94							
					Middle	3.2	0.5	208	24.3	24.3	7.9	7.9	30.0	30.0	90.8	90.8	6.4	6.4	13.0	13.0	11	94	94							
						3.2	0.6	218	24.3	24.3	7.9	7.9	30.0	30.0	90.8	90.8	6.4	6.4	13.0	13.0	9	94	94							
					Bottom	5.4	0.4	210	24.3	24.3	7.9	7.9	30.3	30.3	91.0	91.0	6.4	6.4	17.2	17.2	13	97	97							
						5.4	0.4	222	24.3	24.3	7.9	7.9	30.3	30.3	91.0	91.0	6.4	6.4	17.2	17.2	14	96	96							
IM6	Cloudy	Calm	07:33	6.5	Surface	1.0	0.5	201	24.2	24.2	7.9	7.9	28.7	28.7	91.9	91.9	6.5	6.5	7.2	7.2	7	91	95	821054	805823	<0.2	1.6	1.7		
						1.0	0.5	219	24.2	24.2	7.9	7.9	28.7	28.7	91.9	91.9	6.5	6.5	7.2	7.2	9	91	95							
					Middle	3.3	0.4	216	24.4	24.4	7.9	7.9	30.2	30.2	90.9	90.9	6.4	6.4	10.8	10.8	10	95	95							
						3.3	0.4	226	24.4	24.4	7.9	7.9	30.2	30.2	90.8	90.8	6.4	6.4	11.0	11.0	12	95	95							
					Bottom	5.5	0.3	230	24.4	24.4	8.0	8.0	30.4	30.4	91.8	91.8	6.5	6.5	12.1	12.1	13	98	98							
						5.5	0.3	245	24.4	24.4	8.0	8.0	30.4	30.4	91.9	91.9	6.5	6.5	12.0	12.0	14	98	98							
IM7	Cloudy	Calm	07:41	8.0	Surface	1.0	0.3	216	24.4	24.4	7.9	7.9	29.3	29.3	92.4	92.4	6.5	6.5	6.6	6.6	9	90	95	821368	806833	<0.2	1.8	1.6		
						1.0	0.4	229	24.4	24.4	7.9	7.9	29.3	29.3	92.4	92.4	6.5	6.5	6.6	6.6	10	91	96							
					Middle	4.0	0.3	225	24.5	24.5	8.0	8.0	30.3	30.3	92.3	92.3	6.5	6.5	9.1	9.1	8	96	96							
						4.0	0.3	246	24.5	24.5	8.0	8.0	30.3	30.3	92.3	92.3	6.5	6.5	9.2	9.2	10	96	96							
					Bottom	7.0	0.3	223	24.5	24.5	8.0	8.0	30.4	30.4	93.6	93.6	6.6	6.6	9.8	9.8	16	98	98							
						7.0	0.3	238	24.5	24.5	8.0	8.0	30.4	30.4	93.7	93.7	6.6	6.6	9.9	9.9	17	98	98							

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 November 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
IM9	Cloudy	Moderate	06:40	7.2	Surface	1.0	0.3	132	24.6	7.9	7.9	29.7	29.7	92.1	92.1	6.5	6.5	5.2	6.5	8	91	94	822109	808796	<0.2	2.7	2.7				
						1.0	0.3	137	24.6	7.9	7.9	29.8	29.7	92.1	92.1	6.5	6.5	5.2	6.5	6	92	94	<0.2	2.7							
					Middle	3.6	0.3	127	24.7	8.0	8.0	30.4	30.4	92.3	92.3	6.5	6.5	8.1	6.5	9	94	94	<0.2	2.7							
						3.6	0.3	135	24.7	8.0	8.0	30.4	30.4	92.3	92.3	6.5	6.5	8.1	6.5	9	94	94	<0.2	3.0							
					Bottom	6.2	0.2	135	24.7	8.0	8.0	30.6	30.6	92.9	92.9	6.5	6.5	8.5	6.5	10	97	96	<0.2	2.7							
						6.2	0.2	148	24.7	8.0	8.0	30.6	30.6	92.9	92.9	6.5	6.5	8.6	6.5	11	96	96	<0.2	2.5							
IM10	Cloudy	Moderate	06:31	7.0	Surface	1.0	0.5	118	24.8	8.0	8.0	30.1	30.1	93.0	93.0	6.5	6.5	5.7	6.5	6	92	94	822250	809829	<0.2	2.0	2.1				
						1.0	0.6	128	24.8	8.0	8.0	30.1	30.1	92.9	93.0	6.5	6.5	5.7	6.5	6	92	94	<0.2	1.9							
					Middle	3.5	0.4	117	24.8	8.0	8.0	30.5	30.5	92.9	93.0	6.5	6.5	6.3	6.5	8	94	94	<0.2	2.2							
						3.5	0.4	122	24.8	8.0	8.0	30.5	30.5	93.0	93.0	6.5	6.5	6.3	6.5	9	94	94	<0.2	2.2							
					Bottom	6.0	0.4	107	24.8	8.0	8.0	30.6	30.6	94.2	94.2	6.6	6.6	8.5	6.6	11	96	96	<0.2	2.2							
						6.0	0.4	107	24.8	8.0	8.0	30.6	30.6	94.3	94.3	6.6	6.6	8.4	6.6	12	96	96	<0.2	2.0							
IM11	Cloudy	Moderate	06:18	8.0	Surface	1.0	0.5	109	24.8	8.0	8.0	30.2	30.2	94.0	94.0	6.6	6.6	6.6	6.6	5	92	94	821530	810519	<0.2	1.8	1.9				
						1.0	0.5	110	24.8	8.0	8.0	30.2	30.2	94.0	94.0	6.6	6.6	6.6	6.6	7	91	94	<0.2	1.6							
					Middle	4.0	0.4	97	24.8	8.0	8.0	30.7	30.7	93.9	93.9	6.5	6.5	10.2	6.5	8	94	94	<0.2	1.7							
						4.0	0.4	102	24.8	8.0	8.0	30.7	30.7	93.9	93.9	6.5	6.5	10.4	6.5	7	94	94	<0.2	2.1							
					Bottom	7.0	0.3	94	24.8	8.0	8.0	30.8	30.8	94.5	94.5	6.6	6.6	17.5	6.6	6	96	96	<0.2	1.9							
						7.0	0.3	100	24.8	8.0	8.0	30.8	30.8	94.5	94.5	6.6	6.6	17.5	6.6	7	96	96	<0.2	2.0							
IM12	Cloudy	Moderate	06:09	8.9	Surface	1.0	0.4	100	24.8	8.0	8.0	30.3	30.3	93.8	93.8	6.5	6.5	6.6	6.5	5	91	94	821154	811530	<0.2	1.4	1.4				
						1.0	0.4	103	24.8	8.0	8.0	30.3	30.3	93.8	93.8	6.5	6.5	6.7	6.5	5	92	94	<0.2	1.5							
					Middle	4.5	0.4	99	24.9	8.0	8.0	30.7	30.7	93.8	93.8	6.5	6.5	11.5	6.5	6	94	94	<0.2	1.3							
						4.5	0.4	100	24.9	8.0	8.0	30.7	30.7	93.7	93.8	6.5	6.5	11.6	6.5	6	94	94	<0.2	1.5							
					Bottom	7.9	0.3	86	24.9	8.0	8.0	30.8	30.8	94.3	94.3	6.6	6.6	15.5	6.6	8	97	97	<0.2	1.3							
						7.9	0.3	91	24.9	8.0	8.0	30.8	30.8	94.3	94.3	6.6	6.6	15.6	6.6	7	97	97	<0.2	1.2							
SR2	Cloudy	Moderate	05:36	3.9	Surface	1.0	0.4	88	25.0	8.0	8.0	30.8	30.8	92.3	92.3	6.4	6.4	4.4	6.4	7	91	93	821475	814159	<0.2	1.6	1.5				
						1.0	0.4	93	25.0	8.0	8.0	30.8	30.8	92.3	92.3	6.4	6.4	4.5	6.4	7	92	94	<0.2	1.8							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	2.9	0.2	84	25.0	8.0	8.0	31.0	31.0	93.1	93.1	6.5	6.5	5.3	6.5	8	94	94	<0.2	1.3							
						2.9	0.2	87	25.0	8.0	8.0	31.0	31.0	93.1	93.1	6.5	6.5	5.4	6.5	7	94	94	<0.2	1.2							
SR3	Cloudy	Moderate	06:54	8.9	Surface	1.0	0.4	181	24.7	7.9	7.9	29.8	29.8	92.1	92.1	6.5	6.5	5.4	6.5	6	-	-	822145	807582	-	-	-				
						1.0	0.4	195	24.6	7.9	7.9	29.8	29.8	92.1	92.1	6.5	6.5	5.5	6.5	4	-	-	-	-							
					Middle	4.5	0.3	175	24.7	8.0	8.0	30.1	30.1	91.3	91.3	6.4	6.4	10.1	6.4	5	-	-	-	-							
						4.5	0.3	182	24.7	8.0	8.0	30.1	30.1	91.3	91.3	6.4	6.4	10.1	6.4	6	-	-	-	-							
					Bottom	7.9	0.2	162	24.7	8.0	8.0	30.8	30.8	91.0	91.0	6.4	6.4	20.9	6.4	8	-	-	-	-							
						7.9	0.2	168	24.7	8.0	8.0	30.8	30.8	91.0	91.0	6.4	6.4	20.9	6.4	6	-	-	-	-							
SR4A	Cloudy	Calm	06:14	9.0	Surface	1.0	0.2	63	24.7	7.9	7.9	30.5	30.5	92.4	92.4	6.5	6.5	5.6	6.5	7	-	-	817168	807834	-	-	-				
						1.0	0.2	64	24.7	7.9	7.9	30.5	30.5	92.4	92.4	6.5	6.5	5.6	6.5	6	-	-	-	-							
					Middle	4.5	0.2	58	24.7	7.9	7.9	30.7	30.7	92.3	92.3	6.4	6.4	8.0	6.4	9	-	-	-	-							
						4.5	0.2	60	24.7	7.9	7.9	30.7	30.7	92.3	92.3	6.4	6.4	8.1	6.4	9	-	-	-	-							
					Bottom	8.0	0.1	68	24.7	7.9	7.9	30.8	30.8	91.9	91.9	6.4	6.4	15.1	6.4	12	-	-	-	-							
						8.0	0.1	68	24.7	7.9	7.9	30.8	30.8	91.9	91.9	6.4	6.4	15.1	6.4	11	-	-	-	-							
SR5A	Cloudy	Calm	05:43	3.4	Surface	1.0	0.1	354	24.7	7.9	7.9	30.3	30.3	94.3	94.3	6.6	6.6	5.5	6.6	7	-	-	816583	810693	-	-	-				
						1.0	0.1	356	24.7	7.9	7.9	30.3	30.3	94.3	94.3	6.6	6.6	5.5	6.6	7	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	2.4	0.1	22	24.7	7.9	7.9	30.3	30.3	97.5	97.5	6.8	6.8	5.2	6.8	7	-	-	-	-							
						2.4	0.1	22	24.7	7.9	7.9	30.3	30.3	97.6	97.6	6.8	6.8	5.2	6.8	7	-	-	-	-							
SR6	Cloudy	Calm	05:17	4.8	Surface	1.0	0.1	65	24.7	7.9	7.9	30.7	30.7	92.0	92.0	6.4	6.4	6.8	6.4	7	-	-	817872	814661	-	-	-				
						1.0	0.1	66	24.7	7.9	7.9	30.7	30.7	92.0	92.0	6.4	6.4	6.8	6.4	6	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
					Bottom	3.8	0.1	59	24.9	7.9	7.9	31.3	31.3	91.5	91.5	6.3	6.3	13.6	6.3	10	-	-	-	-							
						3.8	0.1	61	24.9	7.9	7.9	31.3	31.3	91.5	91.5	6.3	6.3	13.6	6.3	11	-	-	-	-							
SR7	Cloudy	Moderate	04:29	18.2	Surface	1.0	0.3	76	25.0	7.9	7.9	31.9	31.9	85.9	85.9	5.9	5.9	2.7	5.9	4	-	-	823611	823728	-	-	-				
						1.0	0.3	83	25.0	7.9	7.9	31.9	31.9	85.8	85.8	5.9	5.9	2.7	5.9	5	-	-	-	-							
					Middle	9.1	0.1	34	25.0	7.9	7.9	32.1	32.1	84.8	84.8	5.8	5.8	3.0	5.8	6	-	-	-	-							
						9.1	0.2	34	25.0	7.9	7.9	32.1	32.1	84.8	84.8	5.8	5.8	2.9	5.8	6	-	-	-	-							
					Bottom	17.2	0.2	352	25.1	7.8	7.8	32.3	32.3	85.1	85.1	5.9	5.9	3.9	5.9	14	-	-	-	-							
						17.2	0.2	352	25.1	7.8	7.8	32.3	32.3	85.2	85.2	5.9	5.9	3.8	5.9	15	-	-	-	-							
SR8	Cloudy	Moderate	05:58	3.5	Surface	1.0	-	-	25.3	8.0																					

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	14:02	8.3	Surface	1.0	0.4	51	24.7	8.0	8.0	30.1	30.1	93.7	93.7	6.6	6.6	8.7	8.7	9	9	92	92	815611	804229	<0.2	<0.2	1.2	1.2			
						1.0	0.5	51	24.7	8.0	8.0	30.1	30.1	93.7	93.7	6.6	6.6	8.7	8.7	7	7	92	92	<0.2	<0.2	1.4	1.4					
						4.2	0.5	42	24.6	8.0	8.0	30.3	30.3	92.6	92.6	6.5	6.5	12.3	12.3	12	12	96	96	<0.2	<0.2	1.3	1.3					
					Middle	4.2	0.5	44	24.6	24.6	8.0	8.0	30.3	30.3	92.6	92.6	6.5	6.5	12.4	12.4	12	12	97	97	<0.2	<0.2	1.4	1.4				
						7.3	0.4	37	24.6	24.6	8.0	8.0	30.6	30.6	92.1	92.1	6.4	6.4	21.8	21.8	25	25	100	100	<0.2	<0.2	1.1	1.1				
						7.3	0.5	38	24.6	24.6	8.0	8.0	30.6	30.6	92.1	92.1	6.4	6.4	21.8	21.8	26	26	100	100	<0.2	<0.2	1.2	1.2				
C2	Cloudy	Moderate	12:46	10.9	Surface	1.0	0.1	228	25.0	25.0	7.9	7.9	27.6	27.5	88.1	88.1	6.2	6.2	4.8	4.8	6	6	92	92	825667	806945	<0.2	<0.2	3.9	3.9		
						1.0	0.1	239	25.0	25.0	7.9	7.9	27.5	27.5	88.1	88.1	6.2	6.2	4.8	4.8	7	7	93	93	<0.2	<0.2	3.8	3.8				
						5.5	0.2	309	25.0	25.0	7.9	7.9	29.6	29.6	88.1	88.1	6.2	6.2	8.8	8.8	8	8	94	94	<0.2	<0.2	3.5	3.5				
					Middle	5.5	0.3	315	25.0	25.0	7.9	7.9	29.7	29.7	88.1	88.1	6.2	6.2	9.1	9.1	8	8	95	95	<0.2	<0.2	3.8	3.8				
						9.9	0.3	341	25.0	25.0	7.9	7.9	30.1	30.1	89.1	89.1	6.2	6.2	18.8	18.8	8	8	97	97	<0.2	<0.2	3.0	3.0				
						9.9	0.3	314	25.0	25.0	7.9	7.9	30.1	30.1	89.1	89.1	6.2	6.2	18.8	18.8	7	7	97	97	<0.2	<0.2	2.7	2.7				
C3	Cloudy	Moderate	14:46	11.8	Surface	1.0	0.3	255	25.1	25.1	8.0	8.0	31.4	31.4	89.9	89.9	6.2	6.2	7.6	7.6	4	4	92	92	822116	817809	<0.2	<0.2	1.3	1.3		
						1.0	0.4	267	25.1	25.1	8.0	8.0	31.4	31.4	89.9	89.9	6.2	6.2	7.7	7.7	6	6	92	92	<0.2	<0.2	1.6	1.6				
						5.9	0.3	254	25.0	25.0	8.0	8.0	31.7	31.7	88.2	88.2	6.1	6.1	17.5	17.5	5	5	94	94	<0.2	<0.2	1.5	1.5				
					Middle	5.9	0.3	269	25.0	25.0	8.0	8.0	31.7	31.7	88.2	88.2	6.1	6.1	17.6	17.6	6	6	94	94	<0.2	<0.2	1.9	1.9				
						10.8	0.3	254	25.0	25.0	8.0	8.0	31.7	31.7	89.3	89.3	6.2	6.2	18.9	18.9	7	7	96	96	<0.2	<0.2	1.4	1.4				
						10.8	0.3	268	25.0	25.0	8.0	8.0	31.7	31.7	89.3	89.3	6.2	6.2	18.9	18.9	7	7	97	97	<0.2	<0.2	1.3	1.3				
IM1	Cloudy	Moderate	13:42	7.1	Surface	1.0	0.3	18	24.8	24.8	8.1	8.1	29.4	29.4	93.8	93.8	6.6	6.6	9.4	9.4	8	8	92	92	818354	806470	<0.2	<0.2	2.1	2.1		
						1.0	0.3	19	24.8	24.8	8.1	8.1	29.4	29.4	93.8	93.8	6.6	6.6	9.5	9.5	8	8	92	92	<0.2	<0.2	1.6	1.6				
						3.6	0.3	9	24.7	24.6	8.1	8.1	29.7	29.7	92.0	92.0	6.5	6.5	20.6	20.6	19	19	97	97	<0.2	<0.2	1.5	1.5				
					Middle	3.6	0.4	9	24.6	24.6	8.1	8.1	29.7	29.7	92.0	92.0	6.5	6.5	20.9	20.9	19	19	97	97	<0.2	<0.2	1.4	1.4				
						6.1	0.3	357	24.7	24.7	8.1	8.1	29.7	29.7	92.1	92.1	6.5	6.5	28.2	28.2	25	25	100	100	<0.2	<0.2	1.3	1.3				
						6.1	0.4	328	24.7	24.7	8.1	8.1	29.7	29.7	92.1	92.1	6.5	6.5	28.4	28.4	22	22	100	100	<0.2	<0.2	1.6	1.6				
IM2	Cloudy	Moderate	13:36	8.0	Surface	1.0	0.4	44	24.8	24.8	8.0	8.0	29.3	29.3	93.3	93.3	6.6	6.6	6.5	6.5	6	6	91	91	818853	806172	<0.2	<0.2	1.4	1.4		
						1.0	0.4	47	24.8	24.8	8.0	8.0	29.3	29.3	93.2	93.2	6.6	6.6	6.6	6.6	7	7	92	92	<0.2	<0.2	1.8	1.8				
						4.0	0.4	40	24.7	24.7	8.0	8.0	29.4	29.4	91.9	91.9	6.5	6.5	7.9	7.9	7	7	96	96	<0.2	<0.2	2.0	2.0				
					Middle	4.0	0.4	43	24.7	24.7	8.0	8.0	29.4	29.4	91.9	91.9	6.5	6.5	7.8	7.8	7	7	96	96	<0.2	<0.2	1.8	1.8				
						7.0	0.3	29	24.7	24.7	8.0	8.0	30.3	30.3	91.3	91.3	6.4	6.4	8.8	8.8	9	9	98	98	<0.2	<0.2	1.6	1.6				
						7.0	0.3	30	24.7	24.7	8.0	8.0	30.3	30.3	91.3	91.3	6.4	6.4	8.9	8.9	11	11	99	99	<0.2	<0.2	1.8	1.8				
IM3	Cloudy	Moderate	13:28	8.0	Surface	1.0	0.2	352	24.9	24.9	8.0	8.0	28.1	28.1	93.3	93.3	6.6	6.6	6.2	6.2	5	5	92	92	819385	805989	<0.2	<0.2	2.3	2.3		
						1.0	0.2	324	24.9	24.9	8.0	8.0	28.1	28.1	93.3	93.3	6.6	6.6	6.3	6.3	6	6	92	92	<0.2	<0.2	2.3	2.3				
						4.0	0.2	19	24.8	24.8	8.0	8.0	30.4	30.4	92.3	92.3	6.5	6.5	9.1	9.1	6	6	95	95	<0.2	<0.2	2.3	2.3				
					Middle	4.0	0.2	19	24.8	24.8	8.0	8.0	30.4	30.4	92.3	92.3	6.4	6.4	9.1	9.1	6	6	95	95	<0.2	<0.2	2.0	2.0				
						7.0	0.1	8	24.8	24.8	8.0	8.0	30.5	30.5	92.2	92.2	6.4	6.4	9.7	9.7	12	12	100	100	<0.2	<0.2	1.5	1.5				
						7.0	0.2	8	24.8	24.8	8.0	8.0	30.5	30.5	92.2	92.2	6.4	6.4	9.7	9.7	13	13	100	100	<0.2	<0.2	1.5	1.5				
IM4	Cloudy	Moderate	13:20	7.3	Surface	1.0	0.3	351	24.8	24.8	8.0	8.0	28.8	28.8	92.0	92.0	6.5	6.5	7.5	7.5	4	4	91	91	819599	805024	<0.2	<0.2	2.6	2.6		
						1.0	0.3	323	24.8	24.8	8.0	8.0	28.8	28.8	91.9	91.9	6.5	6.5	7.6	7.6	5	5	92	92	<0.2	<0.2	2.3	2.3				
						3.7	0.3	6	24.6	24.6	8.0	8.0	29.5	29.5	91.2	91.2	6.4	6.4	14.0	14.0	8	8	94	94	<0.2	<0.2	2.4	2.4				
					Middle	3.7	0.3	6	24.6	24.6	8.0	8.0	29.5	29.5	91.2	91.2	6.4	6.4	13.7	13.7	7	7	95	95	<0.2	<0.2	2.7	2.7				
						6.3	0.2	8	24.6	24.6	8.0	8.0	29.6	29.6	91.0	91.0	6.4	6.4	23.5	23.5	14	14	99	99	<0.2	<0.2	2.0	2.0				
						6.3	0.3	8	24.6	24.6	8.0	8.0	29.6	29.6	91.0	91.0	6.4	6.4	23.5	23.5	12	12	100	100	<0.2	<0.2	2.2	2.2				
IM5	Cloudy	Moderate	13:06	6.2	Surface	1.0	0.4	359	24.8	24.8	7.9	7.9	28.5	28.5	91.4	91.5	6.5	6.5	7.6	7.6	8	8	92	92	820554	804912	<0.2	<0.2	2.4	2.4		
						1.0	0.4	330	24.8	24.8	7.9	7.9	28.5	28.5	91.5	91.5	6.5	6.5	7.6	7.6	7	7	92	92	<0.2	<0.2	2.2	2.2				
						3.1	0.4	7	24.7	24.7	7.9	7.9	29.0	29.0	91.0	91.0	6.4	6.4	9.4	9.4	9	9	95	95	<0.2	<0.2	2.7	2.7				
					Middle	3.1	0.4	7	24.7	24.7	7.9	7.9	29.0	29.0	91.0	91.0	6.4	6.4	9.5	9.5	10	10	95	95	<0.2	<0.2	2.2	2.2				
						5.2	0.4	10	24.7	24.7	7.9	7.9	29.3	29.3	90.9	90.9	6.4	6.4	10.8	10.8	15	15	98	98	<0.2	<0.2	2.8	2.8				
						5.2	0.4	10	24.6	24.6	7.9	7.9	29.3	29.3	90.9	90.9	6.4	6.4	10.7	10.7	13	13	98	98	<0.2	<0.2	2.6	2.6				
IM6	Cloudy	Moderate	12:57	6.2	Surface	1.0	0.2	325	25.0	25.0	7.9	7.9	27.4	27.4	90.8	90.8	6.4	6.4	6.1	6.1	5	5	92	92	821057	805803	&					

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	13:21	6.8	Surface	1.0	0.3	329	25.3	7.9	7.9	28.0	28.0	93.2	93.2	6.5	6.5	2.7	6.5	5	92	92	92	92	822118	808784	<0.2	<0.2	2.8	2.7						
						1.0	0.3	344	25.3	7.9	7.9	28.0	28.0	93.2	93.2	6.5	6.5	2.6	6.5	5	93	93	93	93	<0.2	<0.2	2.4	2.4								
					Middle	3.4	0.2	326	25.2	7.9	7.9	28.1	28.1	92.5	92.5	6.5	6.5	4.4	6.5	4.4	6.5	7	95	95	95	95	<0.2	<0.2	3.1	3.1						
						3.4	0.2	330	25.2	7.9	7.9	28.1	28.1	92.5	92.5	6.5	6.5	4.4	6.5	4.4	6.5	6	94	94	94	94	<0.2	<0.2	2.9	2.9						
					Bottom	5.8	0.3	317	25.1	7.9	7.9	28.5	28.4	93.5	93.5	6.6	6.6	4.6	6.6	4.6	6.6	9	97	97	97	97	<0.2	<0.2	3.1	3.1						
						5.8	0.3	317	25.1	7.9	7.9	28.4	28.4	93.5	93.5	6.6	6.6	4.6	6.6	4.6	6.6	11	97	97	97	97	<0.2	<0.2	2.5	2.5						
IM10	Cloudy	Moderate	13:30	7.8	Surface	1.0	0.5	313	25.3	7.9	7.9	29.2	29.2	94.7	94.7	6.6	6.6	3.8	6.6	4	91	91	91	91	822248	809867	<0.2	<0.2	3.2	3.1						
						1.0	0.5	338	25.3	7.9	7.9	29.2	29.2	94.7	94.7	6.6	6.6	3.8	6.6	4	92	92	92	92	<0.2	<0.2	3.3	3.3								
					Middle	3.9	0.4	313	25.1	8.0	8.0	29.9	29.9	93.5	93.5	6.5	6.5	8.0	6.5	8.0	6.5	6	94	94	94	94	<0.2	<0.2	3.1	3.1						
						3.9	0.4	330	25.1	8.0	8.0	29.9	29.9	93.5	93.5	6.5	6.5	8.0	6.5	8.0	6.5	7	94	94	94	94	<0.2	<0.2	2.9	2.9						
					Bottom	6.8	0.3	305	25.1	8.0	8.0	30.0	30.0	94.1	94.1	6.6	6.6	11.1	6.6	11.1	6.6	6	97	97	97	97	<0.2	<0.2	3.1	3.1						
						6.8	0.3	317	25.1	8.0	8.0	30.0	30.0	94.2	94.2	6.6	6.6	11.2	6.6	11.2	6.6	8	96	96	96	96	<0.2	<0.2	2.9	2.9						
IM11	Cloudy	Moderate	13:42	7.3	Surface	1.0	0.5	292	25.4	8.0	8.0	30.0	30.0	95.5	95.5	6.6	6.6	7.0	6.6	5	92	92	92	92	821500	810572	<0.2	<0.2	2.5	2.8						
						1.0	0.5	298	25.4	8.0	8.0	30.0	30.0	95.5	95.5	6.6	6.6	7.1	6.6	5	92	92	92	92	<0.2	<0.2	2.5	2.5								
					Middle	3.7	0.4	294	24.9	8.0	8.0	30.5	30.5	92.8	92.9	6.5	6.5	13.6	6.5	13.6	6.5	4	94	94	94	94	<0.2	<0.2	2.8	2.8						
						3.7	0.4	294	24.9	8.0	8.0	30.5	30.5	92.8	92.9	6.5	6.5	13.6	6.5	13.6	6.5	4	95	95	95	95	<0.2	<0.2	2.8	2.8						
					Bottom	6.3	0.3	304	24.9	8.0	8.0	30.6	30.6	92.9	92.9	6.5	6.5	19.8	6.5	19.8	6.5	10	97	97	97	97	<0.2	<0.2	2.7	2.7						
						6.3	0.3	308	24.9	8.0	8.0	30.6	30.6	92.9	92.9	6.5	6.5	19.8	6.5	19.8	6.5	8	98	98	98	98	<0.2	<0.2	3.3	3.3						
IM12	Cloudy	Moderate	13:51	8.6	Surface	1.0	0.5	274	25.0	8.0	8.0	31.0	31.0	93.0	93.0	6.4	6.4	9.9	6.4	8	92	92	92	92	821134	811526	<0.2	<0.2	3.3	3.3						
						1.0	0.5	299	25.0	8.0	8.0	31.0	31.0	93.0	93.0	6.4	6.4	9.9	6.4	9.9	6.4	9	92	92	92	92	<0.2	<0.2	2.9	2.9						
					Middle	4.3	0.4	278	25.0	8.0	8.0	31.2	31.2	92.8	92.9	6.4	6.4	12.5	6.4	12.5	6.4	11	94	94	94	94	<0.2	<0.2	3.4	3.4						
						4.3	0.4	284	25.0	8.0	8.0	31.2	31.2	92.9	92.9	6.4	6.4	12.5	6.4	12.5	6.4	13	95	95	95	95	<0.2	<0.2	3.3	3.3						
					Bottom	7.6	0.3	274	25.0	8.0	8.0	31.2	31.2	93.6	93.6	6.5	6.5	15.7	6.5	15.7	6.5	13	97	97	97	97	<0.2	<0.2	3.5	3.5						
						7.6	0.3	278	25.0	8.0	8.0	31.2	31.2	93.6	93.6	6.5	6.5	15.9	6.5	15.9	6.5	12	97	97	97	97	<0.2	<0.2	3.2	3.2						
SR2	Cloudy	Moderate	14:21	4.4	Surface	1.0	0.2	323	25.1	8.0	8.0	30.9	30.9	94.6	94.6	6.6	6.6	11.0	6.6	10	92	92	92	92	821448	814195	<0.2	<0.2	3.8	3.8						
						1.0	0.2	345	25.1	8.0	8.0	30.9	30.9	94.6	94.6	6.6	6.6	10.8	6.6	10.8	6.6	9	92	92	92	92	<0.2	<0.2	3.8	3.8						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.4	0.1	327	25.1	8.0	8.0	30.9	30.9	95.7	95.8	6.6	6.6	11.8	6.6	11.8	6.6	14	94	94	94	94	<0.2	<0.2	3.8	3.8						
						3.4	0.1	353	25.1	8.0	8.0	30.9	30.9	95.8	95.8	6.6	6.6	11.9	6.6	11.9	6.6	14	95	95	95	95	<0.2	<0.2	3.8	3.8						
SR3	Cloudy	Moderate	13:06	8.4	Surface	1.0	0.2	226	25.1	7.9	7.9	27.3	27.3	90.4	90.4	6.4	6.4	3.3	6.4	5	-	-	-	-	822155	807580	-	-	-	-						
						1.0	0.2	235	25.1	7.9	7.9	27.3	27.3	90.4	90.4	6.4	6.4	3.4	6.4	6	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	4.2	0.1	288	25.0	7.9	7.9	28.2	28.2	90.0	90.0	6.3	6.3	4.6	6.3	4.6	6.3	8	-	-	-	-	-	-	-	-	-	-	-			
						4.2	0.1	295	25.0	7.9	7.9	28.2	28.2	90.0	90.0	6.3	6.3	4.6	6.3	4.6	6.3	8	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	7.4	0.1	337	25.0	7.9	7.9	28.5	28.5	90.6	90.7	6.4	6.4	4.4	6.4	4.4	6.4	8	-	-	-	-	-	-	-	-	-	-	-	-		
						7.4	0.1	358	25.0	7.9	7.9	28.5	28.5	90.7	90.7	6.4	6.4	4.5	6.4	4.5	6.4	8	-	-	-	-	-	-	-	-	-	-	-	-		
SR4A	Cloudy	Calm	14:21	8.7	Surface	1.0	0.0	218	25.2	7.9	7.9	30.6	30.6	92.0	92.0	6.4	6.4	12.6	6.4	16	-	-	-	-	817161	807783	-	-	-	-						
						1.0	0.0	234	25.2	7.9	7.9	30.6	30.6	92.0	92.0	6.4	6.4	12.5	6.4	16	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	4.4	0.1	243	25.2	7.9	7.9	30.7	30.7	90.8	90.8	6.3	6.3	13.3	6.3	13.3	6.3	16	-	-	-	-	-	-	-	-	-	-	-			
						4.4	0.1	257	25.2	7.9	7.9	30.7	30.7	90.8	90.8	6.3	6.3	13.3	6.3	13.3	6.3	15	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	7.7	0.1	243	25.1	7.9	7.9	30.7	30.7	90.4	90.5	6.3	6.3	14.1	6.3	14.1	6.3	17	-	-	-	-	-	-	-	-	-	-	-	-		
						7.7	0.1	247	25.1	7.9	7.9	30.7	30.7	90.5	90.5	6.3	6.3	13.6	6.3	16	-	-	-	-	-	-	-	-	-	-	-	-	-			
SR5A	Cloudy	Calm	14:38	4.6	Surface	1.0	0.2	304	25.2	7.9	7.9	30.8	30.8	91.9	91.9	6.4	6.4	14.5	6.4	16	-	-	-	-	816568	810668	-	-	-	-						
						1.0	0.2	328	25.2	7.9	7.9	30.8	30.8	91.9	91.9	6.4	6.4	14.6	6.4	14	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.6	0.2	315	25.1	7.9	7.9	30.9	30.9	91.3	91.4	6.3	6.3	20.1	6.3	20.1	6.3	19	-	-	-	-	-	-	-	-	-	-	-			
						3.6	0.2	339	25.1	7.9	7.9	30.9	30.9	91.4	91.4	6.3	6.3	20.2	6.3																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 November 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	09:59	8.6	Surface	1.0	0.2	203	24.5	8.0	8.0	31.2	31.2	93.6	93.6	6.5	6.5	4.0	6.5	5	7	90	95	815604	804241	<0.2	<0.2	1.0	1.0	
						1.0	0.2	204	24.5	24.5	8.0	8.0	31.2	31.2	93.6	93.6	6.5	6.5	4.0	6.5	6	7	91	95			<0.2	<0.2	1.0	1.0
					Middle	4.3	0.2	226	24.4	24.4	8.0	8.0	31.5	31.5	92.6	92.6	6.5	6.5	5.7	6.5	5	7	95	95			<0.2	<0.2	1.0	1.0
						4.3	0.3	246	24.4	24.4	8.0	8.0	31.5	31.5	92.6	92.6	6.5	6.5	5.8	6.5	6	7	95	95			<0.2	<0.2	1.0	1.0
					Bottom	7.6	0.3	220	24.4	24.4	8.0	8.0	31.7	31.7	92.0	92.0	6.4	6.4	13.5	6.4	10	6	98	98			<0.2	<0.2	1.6	1.6
						7.6	0.3	237	24.4	24.4	8.0	8.0	31.7	31.7	92.0	92.0	6.4	6.4	13.5	6.4	8	6	98	98			<0.2	<0.2	0.8	0.8
C2	Cloudy	Moderate	11:02	11.2	Surface	1.0	0.8	168	24.8	7.9	7.9	28.4	28.4	88.4	88.3	6.2	6.2	5.1	6.1	5	10	91	94	825696	806925	<0.2	<0.2	2.1	2.1	
						1.0	0.8	169	24.8	24.8	7.9	7.9	28.4	28.4	88.2	88.3	6.2	6.2	5.1	6.1	5	10	92	94			<0.2	<0.2	2.0	2.0
					Middle	5.6	0.5	169	24.8	24.8	7.9	7.9	30.5	30.5	86.1	86.1	6.0	6.0	7.9	6.0	11	10	94	94			<0.2	<0.2	2.1	2.1
						5.6	0.5	175	24.8	24.8	7.9	7.9	30.5	30.5	86.1	86.1	6.0	6.0	8.0	6.1	10	10	94	94			<0.2	<0.2	2.3	2.3
					Bottom	10.2	0.2	144	24.8	24.8	7.9	7.9	30.6	30.6	87.9	87.9	6.1	6.1	12.8	6.1	13	6	97	97			<0.2	<0.2	1.6	1.6
						10.2	0.3	157	24.8	24.8	7.9	7.9	30.6	30.6	88.4	88.2	6.2	6.2	12.6	6.2	13	6	97	97			<0.2	<0.2	1.8	1.8
C3	Cloudy	Moderate	08:56	12.1	Surface	1.0	0.3	62	24.5	24.5	8.0	8.0	30.0	30.0	87.6	87.5	6.2	6.1	2.9	6.1	6	6	91	94	822125	817805	<0.2	<0.2	1.3	1.3
						1.0	0.3	66	24.5	24.5	8.0	8.0	30.0	30.0	87.4	87.5	6.1	6.0	2.9	6.0	5	6	91	94			<0.2	<0.2	1.3	1.3
					Middle	6.1	0.2	90	24.8	24.8	7.9	7.9	30.8	30.8	85.9	85.9	6.0	6.0	2.0	6.0	6	6	94	94			<0.2	<0.2	1.5	1.5
						6.1	0.2	90	24.8	24.8	7.9	7.9	30.8	30.8	85.9	85.9	6.0	6.0	2.1	6.1	6	6	94	96			<0.2	<0.2	1.4	1.4
					Bottom	11.1	0.2	69	24.8	24.8	7.9	7.9	31.0	31.0	87.2	87.3	6.1	6.1	2.1	6.1	5	6	96	96			<0.2	<0.2	1.4	1.4
						11.1	0.2	72	24.8	24.8	7.9	7.9	31.0	31.0	87.4	87.3	6.1	6.1	2.1	6.1	6	6	96	96			<0.2	<0.2	1.4	1.4
IM1	Fine	Moderate	10:19	7.3	Surface	1.0	0.3	186	24.4	24.4	8.0	8.0	31.0	31.0	92.6	92.6	6.5	6.5	6.0	6.5	8	12	91	94	818378	806429	<0.2	<0.2	0.9	0.9
						1.0	0.3	189	24.4	24.4	8.0	8.0	31.0	31.0	92.6	92.6	6.5	6.5	6.0	6.5	8	12	92	94			<0.2	<0.2	1.0	1.0
					Middle	3.7	0.2	175	24.4	24.4	8.0	8.0	31.5	31.5	91.8	91.8	6.4	6.4	10.8	6.4	9	10	93	93			<0.2	<0.2	0.9	0.9
						3.7	0.3	183	24.4	24.4	8.0	8.0	31.5	31.5	91.8	91.8	6.4	6.4	10.8	6.4	9	10	93	96			<0.2	<0.2	1.0	1.0
					Bottom	6.3	0.3	182	24.4	24.4	8.0	8.0	31.6	31.6	92.2	92.2	6.4	6.4	17.6	6.4	18	6	96	96			<0.2	<0.2	0.7	0.7
						6.3	0.3	189	24.4	24.4	8.0	8.0	31.6	31.6	92.2	92.2	6.4	6.4	17.6	6.4	19	6	96	96			<0.2	<0.2	0.7	0.7
IM2	Fine	Moderate	10:25	8.0	Surface	1.0	0.3	200	24.4	24.4	8.0	8.0	30.7	30.7	92.6	92.6	6.5	6.5	6.7	6.5	9	11	91	95	818863	806211	<0.2	<0.2	1.0	1.0
						1.0	0.3	214	24.4	24.4	8.0	8.0	30.7	30.7	92.6	92.6	6.5	6.5	6.8	6.5	8	11	91	95			<0.2	<0.2	1.0	1.0
					Middle	4.0	0.3	178	24.3	24.3	8.0	8.0	31.1	31.1	91.8	91.8	6.4	6.4	10.0	6.4	10	10	95	95			<0.2	<0.2	1.1	1.1
						4.0	0.4	191	24.3	24.3	8.0	8.0	31.1	31.1	91.8	91.8	6.4	6.4	10.0	6.4	10	10	95	98			<0.2	<0.2	1.0	1.0
					Bottom	7.0	0.3	180	24.4	24.4	8.0	8.0	31.6	31.6	91.9	92.0	6.4	6.4	10.9	6.4	13	6	98	98			<0.2	<0.2	0.8	0.8
						7.0	0.3	196	24.4	24.4	8.0	8.0	31.6	31.6	92.0	92.0	6.4	6.4	11.0	6.4	15	6	98	98			<0.2	<0.2	0.8	0.8
IM3	Fine	Moderate	10:33	8.3	Surface	1.0	0.4	204	24.5	24.5	8.0	8.0	30.8	30.8	93.1	93.1	6.5	6.5	12.8	6.5	14	18	91	94	819397	806026	<0.2	<0.2	0.9	0.9
						1.0	0.4	217	24.5	24.5	8.0	8.0	30.8	30.8	93.1	93.1	6.5	6.5	12.9	6.5	13	18	91	93			<0.2	<0.2	0.9	0.9
					Middle	4.2	0.3	200	24.4	24.4	8.0	8.0	31.1	31.1	92.1	92.1	6.5	6.5	18.8	6.5	16	18	93	93			<0.2	<0.2	1.0	1.0
						4.2	0.3	202	24.4	24.4	8.0	8.0	31.1	31.1	92.1	92.1	6.5	6.5	18.9	6.5	16	18	93	93			<0.2	<0.2	1.2	1.2
					Bottom	7.3	0.3	192	24.4	24.4	8.0	8.0	31.3	31.3	92.5	92.5	6.5	6.5	22.1	6.5	26	6	98	98			<0.2	<0.2	0.8	0.8
						7.3	0.4	199	24.4	24.4	8.0	8.0	31.3	31.3	92.5	92.5	6.5	6.5	22.1	6.5	25	6	98	98			<0.2	<0.2	1.0	1.0
IM4	Fine	Moderate	10:40	7.6	Surface	1.0	0.5	196	24.4	24.4	8.0	8.0	30.2	30.2	93.6	93.6	6.6	6.6	5.4	6.6	8	9	92	94	819558	805028	<0.2	<0.2	1.1	1.1
						1.0	0.5	215	24.4	24.4	8.0	8.0	30.2	30.2	93.6	93.6	6.6	6.6	5.5	6.6	6	9	92	94			<0.2	<0.2	1.1	1.1
					Middle	3.8	0.4	193	24.3	24.3	8.0	8.0	30.7	30.7	92.1	92.1	6.5	6.5	8.5	6.5	7	9	94	93			<0.2	<0.2	1.2	1.2
						3.8	0.5	201	24.3	24.3	8.0	8.0	30.7	30.7	92.1	92.1	6.5	6.5	8.6	6.5	7	9	93	97			<0.2	<0.2	1.1	1.1
					Bottom	6.6	0.3	205	24.4	24.4	8.0	8.0	31.4	31.4	91.5	91.6	6.4	6.4	12.8	6.4	13	6	97	97			<0.2	<0.2	0.8	0.8
						6.6	0.3	216	24.4	24.4	8.0	8.0	31.4	31.4	91.6	91.6	6.4	6.4	12.9	6.4	13	6	97	97			<0.2	<0.2	0.9	0.9
IM5	Fine	Moderate	10:51	6.6	Surface	1.0	0.4	194	24.5	24.5	7.9	7.9	29.3	29.3	93.2	93.2	6.6	6.6	4.7	6.6	5	8	91	95	820558	804918	<0.2	<0.2	1.6	1.6
						1.0	0.5	206	24.5	24.5	7.9	7.9	29.3	29.3	93.2	93.2	6.6	6.6	4.7	6.6	6	8	92	95			<0.2	<0.2	1.7	1.7
					Middle	3.3	0.4	187	24.2	24.2	8.0	8.0	30.0	30.0	92.0	92.0	6.5	6.5	7.2	6.5	9	8	92	95			<0.2	<0.2	1.4	1.4
						3.3	0.4	204	24.2	24.2	8.0	8.0	30.0	30.0	92.0	92.0	6.5	6.5	7.2	6.5	9	8	95	95			<0.2	<0.2	1.4	1.4
					Bottom	5.6	0.3	182	24.4	24.4	8.0	8.0	30.9	30.9	91.9	91.9	6.4	6.4	11.7	6.4	10	6	98	99			<0.2	<0.2	1.0	1.0
						5.6	0.3	199	24.4	24.4	8.0	8.0	30.9	30.9	91.9	91.9	6.4	6.4	11.8	6.4	10	6	99	99						

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 November 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	10:21	7.4	Surface	1.0	0.3	149	24.8	7.9	7.9	29.5	29.5	90.5	90.6	6.4	6.4	4.2	6.4	7	93	93	93	822113	808821	<0.2	1.5	1.6	1.6				
						1.0	0.3	153	24.8	7.9	7.9	29.5	29.5	90.6	90.6	6.4	6.4	4.0	6.4	7	94	94	94	<0.2	1.7	1.7							
					Middle	3.7	0.3	124	24.6	24.6	8.0	8.0	30.0	30.0	90.4	90.5	6.3	6.3	5.4	6.3	9	96	96	96	<0.2	1.8	1.8	<0.2	1.7	<0.2	1.4		
						3.7	0.3	126	24.6	24.6	8.0	8.0	30.0	30.0	90.5	90.5	6.4	6.4	5.4	6.4	8	96	96	96	<0.2	1.7	1.7	<0.2	1.4	<0.2	1.5		
					Bottom	6.4	0.2	95	24.6	24.6	8.0	8.0	31.1	31.1	91.3	91.4	6.4	6.4	10.0	6.4	10.2	8	98	98	98	<0.2	1.8	1.8	<0.2	1.7	<0.2	1.5	
						6.4	0.2	97	24.6	24.6	8.0	8.0	31.1	31.1	91.5	91.4	6.4	6.4	10.2	6.4	10.2	8	98	98	98	<0.2	1.7	1.7	<0.2	1.5	<0.2	1.5	
IM10	Cloudy	Moderate	10:13	6.2	Surface	1.0	0.5	128	24.8	7.9	7.9	29.0	29.0	90.8	90.8	6.4	6.4	3.5	6.4	4	92	92	92	822254	809808	<0.2	2.1	1.9	1.9				
						1.0	0.5	140	24.8	7.9	7.9	29.0	29.0	90.7	90.8	6.4	6.4	3.4	6.4	4	92	92	92	<0.2	2.2	2.2	<0.2	1.9	<0.2	1.9			
					Middle	3.1	0.4	116	24.7	24.7	8.0	8.0	29.6	29.6	90.3	90.3	6.3	6.3	5.2	6.3	5	96	96	96	<0.2	2.1	2.1	<0.2	1.9	<0.2	1.9		
						3.1	0.5	123	24.7	24.7	8.0	8.0	29.6	29.6	90.3	90.3	6.3	6.3	5.6	6.3	5	96	96	96	<0.2	1.9	1.9	<0.2	1.8	<0.2	1.8		
					Bottom	5.2	0.4	94	24.6	24.6	8.0	8.0	30.2	30.2	90.8	90.8	6.4	6.4	14.2	6.4	14.2	8	98	98	98	<0.2	1.8	1.8	<0.2	1.7	<0.2	1.7	
						5.2	0.4	94	24.6	24.6	8.0	8.0	30.2	30.2	90.8	90.8	6.4	6.4	14.5	6.4	14.5	9	98	98	98	<0.2	1.7	1.7	<0.2	1.7	<0.2	1.7	
IM11	Cloudy	Moderate	10:00	7.9	Surface	1.0	0.3	108	24.6	24.6	8.0	8.0	29.6	29.6	90.5	90.5	6.4	6.4	7.3	6.4	7	91	91	91	821502	810574	<0.2	2.0	2.0	2.2			
						1.0	0.4	111	24.6	24.6	8.0	8.0	29.6	29.6	90.5	90.5	6.4	6.4	7.1	6.4	8	92	92	92	<0.2	2.0	2.0	<0.2	2.0	<0.2	2.0		
					Middle	4.0	0.4	108	24.6	24.6	8.0	8.0	29.6	29.6	90.4	90.4	6.4	6.4	8.1	6.4	8	93	93	93	<0.2	2.0	2.0	<0.2	2.3	<0.2	2.3		
						4.0	0.4	112	24.6	24.6	8.0	8.0	29.6	29.6	90.4	90.4	6.4	6.4	8.1	6.4	8	93	93	93	<0.2	2.0	2.0	<0.2	2.3	<0.2	2.5		
					Bottom	6.9	0.3	101	24.6	24.6	8.0	8.0	30.6	30.6	92.7	93.0	6.5	6.5	18.3	6.5	18.3	10	96	96	96	<0.2	2.5	2.5	<0.2	2.5	<0.2	2.5	
						6.9	0.3	102	24.6	24.6	8.0	8.0	30.6	30.6	93.2	93.0	6.5	6.5	18.4	6.5	18.4	8	96	96	96	<0.2	2.5	2.5	<0.2	2.5	<0.2	2.5	
IM12	Cloudy	Moderate	09:50	8.9	Surface	1.0	0.5	111	24.6	24.6	8.0	8.0	29.0	29.0	90.2	90.2	6.4	6.4	5.8	6.4	7	91	91	91	821185	811542	<0.2	2.2	2.2	2.2			
						1.0	0.5	119	24.6	24.6	8.0	8.0	29.0	29.0	90.2	90.2	6.4	6.4	5.8	6.4	7	91	91	91	<0.2	2.1	2.1	<0.2	2.1	<0.2	2.1		
					Middle	4.5	0.5	103	24.6	24.6	8.0	8.0	29.2	29.2	89.1	89.2	6.3	6.3	8.1	6.3	7	94	94	94	<0.2	2.8	2.8	<0.2	2.8	<0.2	2.8		
						4.5	0.5	109	24.6	24.6	8.0	8.0	29.2	29.2	89.2	89.2	6.3	6.3	8.3	6.3	7	94	94	94	<0.2	2.8	2.8	<0.2	2.8	<0.2	2.8		
					Bottom	7.9	0.3	106	24.6	24.6	8.0	8.0	29.7	29.7	89.4	89.4	6.3	6.3	20.1	6.3	20.1	10	96	96	96	<0.2	1.6	1.6	<0.2	1.6	<0.2	1.6	
						7.9	0.3	109	24.6	24.6	8.0	8.0	29.7	29.7	89.4	89.4	6.3	6.3	20.1	6.3	20.1	8	96	96	96	<0.2	1.6	1.6	<0.2	1.6	<0.2	1.6	
SR2	Cloudy	Moderate	09:21	4.2	Surface	1.0	0.3	85	24.6	24.6	7.9	7.9	29.8	29.8	88.0	87.9	6.2	6.2	4.1	6.2	6	91	91	91	821434	814184	<0.2	1.3	1.4				
						1.0	0.3	87	24.6	24.6	7.9	7.9	29.8	29.8	87.8	87.9	6.2	6.2	4.2	6.2	7	91	91	91	<0.2	1.5	1.5	<0.2	1.5	<0.2	1.5		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.2	0.2	66	24.7	24.7	7.9	7.9	30.2	30.2	88.0	88.2	6.2	6.2	5.5	6.2	5.5	6	94	94	94	<0.2	1.4	1.4	<0.2	1.4	<0.2	1.4	
						3.2	0.2	70	24.7	24.7	7.9	7.9	30.2	30.2	88.3	88.2	6.2	6.2	5.5	6.2	5.5	6	94	94	94	<0.2	1.4	1.4	<0.2	1.4	<0.2	1.4	
SR3	Cloudy	Moderate	10:38	9.0	Surface	1.0	0.4	191	25.0	25.0	7.9	7.9	28.7	28.7	89.7	89.7	6.3	6.3	3.0	6.3	4	-	-	-	822155	807558	-	-	-	-			
						1.0	0.5	206	25.0	25.0	7.9	7.9	28.7	28.7	89.7	89.7	6.3	6.3	3.3	6.3	4	-	-	-	-	-	-	-	-	-	-		
					Middle	4.5	0.4	194	24.6	24.6	8.0	8.0	30.2	30.2	89.5	89.6	6.3	6.3	6.1	6.3	5	-	-	-	-	-	-	-	-	-	-	-	
						4.5	0.4	202	24.6	24.6	8.0	8.0	30.2	30.2	89.6	89.6	6.3	6.3	6.4	6.3	6	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	8.0	0.0	195	24.6	24.6	8.0	8.0	30.7	30.7	90.3	90.3	6.3	6.3	9.5	6.3	9.5	6	-	-	-	-	-	-	-	-	-	-	-
						8.0	0.0	212	24.6	24.6	8.0	8.0	30.7	30.7	90.3	90.3	6.3	6.3	9.4	6.3	9.4	6	-	-	-	-	-	-	-	-	-	-	-
SR4A	Cloudy	Calm	09:40	9.4	Surface	1.0	0.2	70	24.3	24.3	8.0	8.0	31.3	31.3	92.1	92.1	6.5	6.5	7.8	6.5	8	-	-	-	817166	807801	-	-	-	-			
						1.0	0.3	71	24.3	24.3	8.0	8.0	31.3	31.3	92.1	92.1	6.5	6.5	7.8	6.5	10	-	-	-	-	-	-	-	-	-			
					Middle	4.7	0.2	73	24.3	24.3	8.0	8.0	31.3	31.3	91.9	92.0	6.4	6.4	8.6	6.4	9	-	-	-	-	-	-	-	-	-	-		
						4.7	0.3	78	24.3	24.3	8.0	8.0	31.3	31.3	92.0	92.0	6.4	6.4	8.7	6.4	8	-	-	-	-	-	-	-	-	-	-		
					Bottom	8.4	0.2	74	24.3	24.3	8.0	8.0	31.3	31.3	92.3	92.3	6.5	6.5	9.3	6.5	9.3	10	-	-	-	-	-	-	-	-	-	-	
						8.4	0.2	74	24.3	24.3	8.0	8.0	31.3	31.3	92.3	92.3	6.5	6.5	9.3	6.5	9.3	10	-	-	-	-	-	-	-	-	-		
SR5A	Cloudy	Calm	09:20	4.3	Surface	1.0	0.0	35	24.2	24.2	7.9	7.9	30.4	30.4	88.9	88.9	6.3	6.3	5.8	6.3	8	-	-	-	816568	810709	-	-	-	-			
						1.0	0.0	38	24.2	24.2	7.9	7.9	30.4	30.4	88.9	88.9	6.3	6.3	5.9	6.3	8	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.3	0.0	49	24.1	24.1	7.9	7.9	30.5	30.5	90.8	90.8	6.4	6.4	6.2	6.4	6.2	12	-	-	-	-	-	-	-	-	-		
						3.3	0.0	52	24.1	24.1	7.9	7.9	30.5	30.5	90.8	90.8	6.4	6.4	6.2	6.4													

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 November 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	16:09	8.2	Surface	1.0	0.6	36	24.7	8.0	8.0	30.3	30.3	93.8	93.8	6.6	6.6	9.0	9.0	5	5	91	91	815600	804221	<0.2	<0.2	1.4	1.4	
						1.0	0.7	39	24.7	8.0	8.0	30.3	30.3	93.8	93.8	6.6	6.6	9.0	9.0	5	5	91	91	<0.2	<0.2	1.3	1.3			
						4.1	0.6	31	24.5	8.0	8.0	31.4	31.4	92.8	92.8	6.5	6.5	24.4	24.4	8	8	96	96	<0.2	<0.2	0.9	0.9			
					Middle	4.1	0.6	31	24.5	24.5	8.0	8.0	31.4	31.4	92.8	92.8	6.5	6.5	24.5	24.5	7	7	96	96	<0.2	<0.2	0.8	0.8		
						7.2	0.5	32	24.5	24.5	8.0	8.0	31.4	31.4	93.0	93.0	6.5	6.5	30.1	30.1	37	37	98	98	<0.2	<0.2	0.7	0.7		
						7.2	0.5	32	24.5	24.5	8.0	8.0	31.4	31.4	93.0	93.0	6.5	6.5	30.1	30.1	38	38	99	99	<0.2	<0.2	0.7	0.7		
C2	Cloudy	Moderate	15:01	10.3	Surface	1.0	0.5	189	24.9	24.9	7.8	7.8	25.5	25.5	85.0	85.0	6.1	6.1	5.0	5.0	6	6	91	91	825664	806933	<0.2	<0.2	3.4	3.4
						1.0	0.5	205	24.9	24.9	7.8	7.8	25.6	25.6	85.0	85.0	6.1	6.1	5.1	5.1	6	6	91	91	<0.2	<0.2	3.4	3.4		
						5.2	0.3	184	24.9	24.9	7.9	7.9	28.3	28.3	85.8	85.9	6.1	6.1	7.2	7.2	5	5	93	93	<0.2	<0.2	3.4	3.4		
					Middle	5.2	0.3	193	24.9	24.9	7.9	7.9	28.3	28.3	85.9	85.9	6.1	6.1	7.5	7.5	6	6	94	94	<0.2	<0.2	3.4	3.4		
						9.3	0.1	288	24.8	24.8	7.9	7.9	29.1	29.1	87.5	87.5	6.1	6.1	13.1	13.1	5	5	96	96	<0.2	<0.2	3.3	3.3		
						9.3	0.1	303	24.8	24.8	7.9	7.9	29.2	29.1	87.9	87.9	6.2	6.2	13.2	13.2	4	4	96	96	<0.2	<0.2	2.9	2.9		
C3	Cloudy	Moderate	17:05	12.0	Surface	1.0	0.6	261	24.8	24.8	8.0	8.0	30.6	30.6	89.2	89.2	6.2	6.2	5.7	5.7	6	6	92	92	822096	817822	<0.2	<0.2	1.3	1.3
						1.0	0.6	284	24.8	24.8	8.0	8.0	30.6	30.6	89.1	89.1	6.2	6.2	5.7	5.7	6	6	92	92	<0.2	<0.2	1.4	1.4		
						6.0	0.5	261	24.8	24.8	7.9	7.9	31.0	31.0	87.2	87.3	6.1	6.1	7.4	7.4	5	5	94	94	<0.2	<0.2	1.3	1.3		
					Middle	6.0	0.5	282	24.8	24.8	7.9	7.9	31.0	31.0	87.3	87.3	6.1	6.1	7.6	7.6	5	5	94	94	<0.2	<0.2	1.2	1.2		
						11.0	0.4	264	24.8	24.8	7.9	7.9	30.9	30.9	91.4	91.8	6.4	6.4	13.7	13.7	6	6	97	97	<0.2	<0.2	1.5	1.5		
						11.0	0.4	276	24.8	24.8	7.9	7.9	30.9	30.9	92.2	91.8	6.4	6.4	13.6	13.6	6	6	97	97	<0.2	<0.2	1.3	1.3		
IM1	Cloudy	Moderate	15:48	7.1	Surface	1.0	0.4	27	24.7	24.7	8.0	8.0	29.9	29.9	92.0	92.0	6.5	6.5	10.4	10.4	14	14	92	92	818341	806442	<0.2	<0.2	1.6	1.6
						1.0	0.4	27	24.7	24.7	8.0	8.0	29.9	29.9	92.0	92.0	6.5	6.5	10.4	10.4	14	14	92	92	<0.2	<0.2	1.3	1.3		
						3.6	0.3	17	24.7	24.7	8.0	8.0	30.4	30.4	92.3	92.3	6.5	6.5	11.2	11.2	13	13	94	94	<0.2	<0.2	1.4	1.4		
					Middle	3.6	0.4	17	24.7	24.7	8.0	8.0	30.4	30.4	92.3	92.3	6.5	6.5	11.2	11.2	13	13	94	94	<0.2	<0.2	1.3	1.3		
						6.1	0.4	354	24.8	24.8	8.0	8.0	31.3	31.3	92.8	92.8	6.5	6.5	17.4	17.4	14	14	98	98	<0.2	<0.2	1.2	1.2		
						6.1	0.4	326	24.8	24.8	8.0	8.0	31.3	31.3	92.8	92.8	6.5	6.5	17.4	17.4	15	15	99	99	<0.2	<0.2	1.0	1.0		
IM2	Cloudy	Moderate	15:43	8.1	Surface	1.0	0.2	31	24.8	24.8	8.0	8.0	30.0	30.0	92.0	92.0	6.4	6.4	8.6	8.6	8	8	92	92	818879	806167	<0.2	<0.2	1.3	1.3
						1.0	0.2	31	24.8	24.8	8.0	8.0	30.0	30.0	92.0	92.0	6.4	6.4	8.6	8.6	9	9	92	92	<0.2	<0.2	1.3	1.3		
						4.1	0.3	21	24.7	24.7	8.0	8.0	30.3	30.3	91.6	91.6	6.4	6.4	9.2	9.2	12	12	96	96	<0.2	<0.2	1.5	1.5		
					Middle	4.1	0.3	21	24.7	24.7	8.0	8.0	30.3	30.3	91.6	91.6	6.4	6.4	9.2	9.2	13	13	96	96	<0.2	<0.2	1.4	1.4		
						7.1	0.2	23	24.7	24.7	8.0	8.0	30.7	30.7	91.7	91.7	6.4	6.4	9.2	9.2	13	13	98	98	<0.2	<0.2	1.5	1.5		
						7.1	0.2	24	24.7	24.7	8.0	8.0	30.7	30.7	91.7	91.7	6.4	6.4	9.2	9.2	13	13	98	98	<0.2	<0.2	1.6	1.6		
IM3	Cloudy	Moderate	15:35	8.1	Surface	1.0	0.2	302	24.7	24.7	8.0	8.0	28.8	28.8	91.7	91.7	6.5	6.5	9.1	9.1	10	10	91	91	819406	806044	<0.2	<0.2	2.1	2.1
						1.0	0.2	305	24.7	24.7	8.0	8.0	28.8	28.8	91.7	91.7	6.5	6.5	9.1	9.1	11	11	91	91	<0.2	<0.2	2.0	2.0		
						4.1	0.3	323	24.7	24.7	8.0	8.0	30.2	30.2	91.4	91.4	6.4	6.4	13.0	13.0	15	15	93	93	<0.2	<0.2	2.2	2.2		
					Middle	4.1	0.3	333	24.7	24.7	8.0	8.0	30.2	30.2	91.4	91.4	6.4	6.4	13.0	13.0	15	15	93	93	<0.2	<0.2	2.2	2.2		
						7.1	0.3	335	24.6	24.6	8.0	8.0	31.1	31.1	91.4	91.4	6.4	6.4	23.2	23.2	22	22	98	98	<0.2	<0.2	1.1	1.1		
						7.1	0.3	308	24.6	24.6	8.0	8.0	31.1	31.1	91.4	91.4	6.4	6.4	23.2	23.2	22	22	98	98	<0.2	<0.2	1.1	1.1		
IM4	Cloudy	Moderate	15:28	7.3	Surface	1.0	0.3	282	24.7	24.7	7.9	7.9	28.7	28.7	91.2	91.2	6.4	6.4	6.9	6.9	8	8	92	92	819582	805042	<0.2	<0.2	2.3	2.3
						1.0	0.4	284	24.7	24.7	7.9	7.9	28.7	28.7	91.2	91.2	6.4	6.4	6.9	6.9	7	7	92	92	<0.2	<0.2	2.3	2.3		
						3.7	0.3	288	24.7	24.7	7.9	7.9	28.8	28.8	91.2	91.2	6.4	6.4	8.3	8.3	8	8	94	94	<0.2	<0.2	2.1	2.1		
					Middle	3.7	0.3	314	24.7	24.7	7.9	7.9	28.8	28.8	91.2	91.2	6.4	6.4	8.5	8.5	10	10	94	94	<0.2	<0.2	2.1	2.1		
						6.3	0.2	339	24.6	24.6	8.0	8.0	29.2	29.2	91.4	91.4	6.5	6.5	12.0	12.0	11	11	98	98	<0.2	<0.2	2.1	2.1		
						6.3	0.2	312	24.6	24.6	8.0	8.0	29.2	29.2	91.4	91.4	6.5	6.5	12.0	12.0	11	11	98	98	<0.2	<0.2	2.0	2.0		
IM5	Cloudy	Moderate	15:19	6.5	Surface	1.0	0.3	306	24.6	24.6	7.9	7.9	27.9	27.9	90.4	90.4	6.4	6.4	6.9	6.9	5	5	92	92	820572	804933	<0.2	<0.2	3.0	3.0
						1.0	0.3	318	24.6	24.6	7.9	7.9	27.9	27.9	90.4	90.4	6.4	6.4	7.0	7.0	5	5	92	92	<0.2	<0.2	2.8	2.8		
						3.3	0.3	327	24.6	24.6	7.9	7.9	28.5	28.5	90.6	90.6	6.4	6.4	10.1	10.1	5	5	95	95	<0.2	<0.2	2.5	2.5		
					Middle	3.3	0.3	330	24.6	24.6	7.9	7.9	28.5	28.5	90.6	90.6	6.4	6.4	10.1	10.1	6	6	95	95	<0.2	<0.2	2.6	2.6		
						5.5	0.3	355	24.6	24.6	7.9	7.9	28.8	28.8	90.7	90.7	6.4	6.4	13.8	13.8	12	12	98	98	<0.2	<0.2	1.9	1.9		
						5.5	0.3	356	24.6	24.6	7.9	7.9	28.9	28.9	91.4	91.1	6.5	6.5	14.1	14.1	13	13	99	99	<0.2	<0.2	2.0	2.0		
IM6	Cloudy	Moderate	15:11	6.3	Surface	1.0	0.5	288	24.6	24.6	7.9	7.9	28.1	28.1	88.7	88.7	6.3	6.3	6.8	6.8	4	4	92	92	821057	805853				

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 November 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	15:33	6.7	Surface	1.0	0.3	276	24.9	24.9	7.9	7.9	27.0	27.0	89.5	89.6	6.4	6.4	2.8	6.4	10	91	94	822091	808824	<0.2	<0.2	2.8	2.6			
						1.0	0.3	278	24.9	24.9	7.9	7.9	27.0	27.0	89.7	89.6	6.4	6.4	3.0	6.4	9	91	94	822091	808824	<0.2	<0.2	2.8	2.6			
					Middle	3.4	0.3	289	24.9	24.9	7.9	7.9	28.0	28.0	90.1	90.2	6.4	6.4	3.8	6.4	11	94	94	822091	808824	<0.2	<0.2	2.3	2.6			
						3.4	0.3	315	24.9	24.9	7.9	7.9	28.0	28.0	90.2	90.2	6.4	6.4	4.0	6.4	12	94	94	822091	808824	<0.2	<0.2	2.4	2.6			
					Bottom	5.7	0.3	298	24.9	24.9	7.9	7.9	29.1	29.1	91.5	91.7	6.4	6.5	7.0	6.5	14	96	97	822091	808824	<0.2	<0.2	2.6	2.6			
						5.7	0.3	301	24.9	24.9	7.9	7.9	29.1	29.1	91.9	91.7	6.5	6.5	6.7	6.5	12	97	97	822091	808824	<0.2	<0.2	2.7	2.6			
IM10	Cloudy	Moderate	15:43	6.4	Surface	1.0	0.8	296	25.1	25.1	7.9	7.9	29.2	29.2	92.3	92.3	6.5	6.4	3.6	6.4	3	92	94	822252	809846	<0.2	<0.2	2.1	2.0			
						1.0	0.9	321	25.1	24.9	7.9	7.9	29.2	29.2	92.2	92.3	6.4	6.4	3.8	6.4	4	92	94	822252	809846	<0.2	<0.2	2.0	2.0			
					Middle	3.2	0.7	301	25.0	24.9	7.9	7.9	29.4	29.4	92.0	92.1	6.4	6.4	6.1	6.6	5	94	94	822252	809846	<0.2	<0.2	2.0	2.0			
						3.2	0.7	313	24.9	24.8	7.9	7.9	29.4	29.4	92.1	92.1	6.4	6.4	6.6	6.6	5	94	94	822252	809846	<0.2	<0.2	1.9	1.9			
					Bottom	5.4	0.5	308	24.8	24.8	7.9	7.9	29.6	29.6	92.8	92.8	6.5	6.5	8.8	8.8	5	96	96	822252	809846	<0.2	<0.2	1.9	1.9			
						5.4	0.5	323	24.8	24.8	7.9	7.9	29.6	29.6	93.3	93.1	6.5	6.5	8.8	8.8	7	96	96	822252	809846	<0.2	<0.2	2.1	2.0			
IM11	Cloudy	Moderate	15:57	6.8	Surface	1.0	0.6	295	25.0	25.0	7.9	7.9	29.2	29.2	92.3	92.3	6.5	6.5	9.1	6.5	4	92	94	821500	810535	<0.2	<0.2	1.9	1.7			
						1.0	0.7	305	25.0	24.9	8.0	8.0	29.2	29.2	92.3	92.3	6.5	6.5	9.1	6.5	5	92	94	821500	810535	<0.2	<0.2	1.7	1.7			
					Middle	3.4	0.5	289	24.9	24.9	8.0	8.0	29.4	29.4	92.3	92.3	6.5	6.5	14.0	14.0	9	94	94	821500	810535	<0.2	<0.2	1.7	1.7			
						3.4	0.5	306	24.9	24.9	8.0	8.0	29.4	29.4	92.3	92.3	6.5	6.5	14.2	14.2	9	94	94	821500	810535	<0.2	<0.2	1.5	1.7			
					Bottom	5.8	0.4	287	24.8	24.8	8.0	8.0	29.5	29.5	93.4	93.7	6.6	6.6	18.4	18.4	10	96	96	821500	810535	<0.2	<0.2	1.7	1.7			
						5.8	0.4	305	24.8	24.8	8.0	8.0	29.6	29.6	94.0	93.7	6.6	6.6	18.4	18.4	10	96	96	821500	810535	<0.2	<0.2	1.7	1.7			
IM12	Cloudy	Moderate	16:07	8.5	Surface	1.0	0.7	281	25.0	25.0	8.0	8.0	29.3	29.3	92.6	92.5	6.5	6.5	5.5	6.5	6	92	95	821141	811543	<0.2	<0.2	1.5	1.5			
						1.0	0.7	287	25.0	24.8	8.0	8.0	29.3	29.3	92.4	92.5	6.5	6.5	5.4	6.5	6	92	95	821141	811543	<0.2	<0.2	1.7	1.5			
					Middle	4.3	0.6	278	24.8	24.8	8.0	8.0	30.0	30.0	90.9	90.9	6.4	6.4	16.3	16.3	9	93	93	821141	811543	<0.2	<0.2	1.5	1.5			
						4.3	0.7	293	24.8	24.8	8.0	8.0	30.0	30.0	90.9	90.9	6.4	6.4	16.4	16.4	7	94	94	821141	811543	<0.2	<0.2	1.4	1.4			
					Bottom	7.5	0.5	277	24.8	24.8	8.0	8.0	30.0	30.0	91.1	91.1	6.4	6.4	20.1	20.1	9	98	98	821141	811543	<0.2	<0.2	1.4	1.4			
						7.5	0.6	280	24.8	24.8	8.0	8.0	30.0	30.0	91.1	91.1	6.4	6.4	20.2	20.2	8	98	98	821141	811543	<0.2	<0.2	1.6	1.6			
SR2	Cloudy	Moderate	16:39	4.5	Surface	1.0	0.2	11	24.8	24.8	8.0	8.0	30.0	30.0	91.3	91.4	6.4	6.4	11.4	6.4	12	91	92	821457	814165	<0.2	<0.2	1.6	1.5			
						1.0	0.3	11	24.8	24.8	8.0	8.0	30.0	30.0	91.4	91.4	6.4	6.4	11.3	6.4	10	91	91	821457	814165	<0.2	<0.2	1.5	1.5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821457	814165	<0.2	<0.2	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821457	814165	<0.2	<0.2	-
					Bottom	3.5	0.2	34	24.8	24.8	8.0	8.0	30.1	30.0	93.6	93.9	6.5	6.6	17.3	17.3	12	93	94	821457	814165	<0.2	<0.2	1.3	1.4			
						3.5	0.2	35	24.8	24.8	8.0	8.0	30.0	30.0	94.2	93.9	6.6	6.6	17.4	17.4	11	94	94	821457	814165	<0.2	<0.2	1.4	1.4			
SR3	Cloudy	Moderate	15:19	8.5	Surface	1.0	0.3	210	24.9	24.9	7.8	7.8	26.5	26.5	87.6	87.6	6.2	6.2	2.4	6.2	4	-	-	822153	807572	-	-	-	-			
						1.0	0.4	211	24.9	24.8	7.8	7.8	26.5	26.5	87.6	87.6	6.2	6.2	2.4	6.2	4	-	-	822153	807572	-	-	-	-			
					Middle	4.3	0.2	252	24.8	24.8	7.9	7.9	28.0	28.0	88.0	88.1	6.2	6.2	4.1	6.2	5	-	-	822153	807572	-	-	-	-			
						4.3	0.2	256	24.8	24.8	7.9	7.9	28.0	28.0	88.1	88.1	6.2	6.2	4.2	6.2	5	-	-	822153	807572	-	-	-	-			
					Bottom	7.5	0.3	279	24.8	24.8	7.9	7.9	28.2	28.2	90.2	90.3	6.4	6.4	6.1	6.4	5	-	-	822153	807572	-	-	-	-			
						7.5	0.3	282	24.8	24.8	7.9	7.9	28.2	28.2	90.3	90.3	6.4	6.4	6.1	6.4	4	-	-	822153	807572	-	-	-	-			
SR4A	Cloudy	Calm	16:28	8.2	Surface	1.0	0.2	252	24.6	24.6	7.9	7.9	30.8	30.8	89.9	89.9	6.3	6.3	10.7	6.3	10	-	-	817171	807780	-	-	-	-			
						1.0	0.3	267	24.6	24.6	7.9	7.9	30.8	30.8	89.9	89.9	6.3	6.3	10.8	6.3	10	-	-	817171	807780	-	-	-	-			
					Middle	4.1	0.2	238	24.6	24.6	7.9	7.9	30.8	30.8	90.1	90.1	6.3	6.3	12.2	6.3	13	-	-	817171	807780	-	-	-	-			
						4.1	0.2	239	24.6	24.6	7.9	7.9	30.8	30.8	90.1	90.1	6.3	6.3	12.2	6.3	13	-	-	817171	807780	-	-	-	-			
					Bottom	7.2	0.2	258	24.6	24.6	7.9	7.9	30.8	30.8	91.1	91.2	6.4	6.4	14.9	6.4	15	-	-	817171	807780	-	-	-	-			
						7.2	0.2	259	24.6	24.6	7.9	7.9	30.8	30.8	91.2	91.2	6.4	6.4	15.0	6.4	17	-	-	817171	807780	-	-	-	-			
SR5A	Cloudy	Calm	16:46	5.0	Surface	1.0	0.2	293	24.6	24.6	7.9	7.9	30.4	30.4	90.6	90.6	6.3	6.3	13.0	6.3	12	-	-	816588	810696	-	-	-	-			
						1.0	0.2	297	24.6	24.6	7.9	7.9	30.4	30.4	90.6	90.6	6.3	6.3	13.0	6.3	11	-	-	816588	810696	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816588	810696	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816588	810696	-	-	-	-	
					Bottom	4.0	0.2	295	24.6	24.6	7.9	7.9	30.5	30.5	90.9	90.9	6.4	6.4	15.1	6.4	13	-	-	816588	810696	-	-	-	-			
						4.0	0.2	303	24.6	24.6	7.9	7.9	30.5	30.5	90.9	90.9	6.4	6.4	15.1	6.4	13	-	-	816588	810696	-	-	-	-			
SR6	Cloudy	Moderate	17:12	4.6	Surface	1.0	0.0	242	24.6	24.6	8.0	8.0	30.0	30.0	89.9	89.9	6.3	6.3	14.9	6.3												

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 November 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	11:03	8.6	Surface	1.0	0.3	203	24.4	8.0	8.0	31.8	31.8	93.8	93.8	6.5	8.8	8	92	95	815593	804273	<0.2	0.5	0.5					
						1.0	0.3	218	24.4	8.0	8.0	31.8	31.8	93.8	93.8	6.5	8.9	7	92	95	815593	804273	<0.2	0.6						
					Middle	4.3	0.1	206	24.2	24.2	8.0	8.0	32.1	32.1	92.9	92.9	6.5	11.6	7	96	95	815593	804273	<0.2		0.6				
						4.3	0.1	213	24.2	24.2	8.0	8.0	32.1	32.1	92.9	92.9	6.5	11.7	8	96	95	815593	804273	<0.2		0.4				
					Bottom	7.6	0.1	226	24.2	24.2	8.0	8.0	32.2	32.2	93.5	93.5	6.5	12.9	9	98	95	815593	804273	<0.2		0.4				
						7.6	0.1	240	24.2	24.2	8.0	8.0	32.2	32.2	93.6	93.6	6.5	12.9	8	98	95	815593	804273	<0.2		0.5				
C2	Sunny	Moderate	09:58	12.1	Surface	1.0	0.1	306	24.7	7.9	7.9	28.1	28.1	88.1	88.1	6.2	8.8	4	94	95	825676	806965	<0.2	2.1	2.0					
						1.0	0.1	307	24.7	7.9	7.9	28.1	28.1	88.1	88.1	6.2	8.8	5	93	95	825676	806965	<0.2	2.0						
					Middle	6.1	0.3	41	24.7	24.7	8.0	8.0	29.9	29.9	88.2	88.2	6.2	14.5	7	95	95	825676	806965	<0.2		2.0				
						6.1	0.4	41	24.7	24.7	8.0	8.0	29.9	29.9	88.2	88.2	6.2	14.5	8	96	95	825676	806965	<0.2		2.0				
					Bottom	11.1	0.3	49	24.7	24.7	8.0	8.0	30.4	30.4	88.1	88.1	6.2	17.1	8	97	95	825676	806965	<0.2		2.0				
						11.1	0.3	52	24.7	24.7	8.0	8.0	30.4	30.4	88.1	88.1	6.2	17.1	8	97	95	825676	806965	<0.2		1.9				
C3	Sunny	Moderate	11:48	11.8	Surface	1.0	0.4	59	24.8	7.9	7.9	30.8	30.8	86.3	86.3	6.0	3.8	7	97	99	822093	817802	<0.2	1.3	1.3					
						1.0	0.5	62	24.8	7.9	7.9	30.8	30.8	86.3	86.3	6.0	3.8	8	96	99	822093	817802	<0.2	1.2						
					Middle	5.9	0.3	80	24.7	24.7	7.9	7.9	31.1	31.1	86.0	86.0	6.0	5.3	12	99	99	822093	817802	<0.2		1.3				
						5.9	0.3	86	24.7	24.7	7.9	7.9	31.1	31.1	86.0	86.0	6.0	5.3	12	98	99	822093	817802	<0.2		1.3				
					Bottom	10.8	0.3	91	24.7	24.7	7.9	7.9	31.5	31.5	89.4	89.4	6.2	5.8	12	102	99	822093	817802	<0.2		1.3				
						10.8	0.3	96	24.7	24.7	7.9	7.9	31.5	31.5	89.4	89.4	6.2	5.8	12	101	99	822093	817802	<0.2		1.2				
IM1	Fine	Moderate	10:46	7.8	Surface	1.0	0.0	216	24.3	24.3	8.0	8.0	31.7	31.7	93.5	93.5	6.5	9.4	10	91	94	818358	806452	<0.2	0.7	0.7				
						1.0	0.0	231	24.3	24.3	8.0	8.0	31.7	31.7	93.5	93.5	6.5	9.5	10	92	94	818358	806452	<0.2	0.7					
					Middle	3.9	0.0	78	24.2	24.2	8.0	8.0	31.8	31.8	92.7	92.7	6.5	11.2	11	93	94	818358	806452	<0.2	0.8					
						3.9	0.0	82	24.2	24.2	8.0	8.0	31.8	31.8	92.6	92.6	6.5	11.4	11	94	94	818358	806452	<0.2	0.8					
					Bottom	6.8	0.0	131	24.2	24.2	8.0	8.0	31.8	31.8	93.2	93.3	6.5	14.7	13	96	96	818358	806452	<0.2	0.6					
						6.8	0.0	136	24.2	24.2	8.0	8.0	31.8	31.8	93.3	93.3	6.5	14.8	11	96	96	818358	806452	<0.2	0.7					
IM2	Fine	Moderate	10:39	8.4	Surface	1.0	0.1	121	24.3	24.3	8.0	8.0	31.8	31.8	93.1	93.1	6.5	11.3	7	91	94	818831	806201	<0.2	0.6	0.6				
						1.0	0.1	130	24.3	24.3	8.0	8.0	31.8	31.8	93.1	93.1	6.5	11.3	5	91	94	818831	806201	<0.2	0.6					
					Middle	4.2	0.1	67	24.2	24.2	8.0	8.0	31.8	31.8	91.8	91.8	6.4	15.0	8	94	94	818831	806201	<0.2	0.6					
						4.2	0.1	69	24.2	24.2	8.0	8.0	31.8	31.8	91.8	91.8	6.4	15.0	9	94	94	818831	806201	<0.2	0.6					
					Bottom	7.4	0.0	98	24.2	24.2	8.0	8.0	31.8	31.8	92.3	92.4	6.5	14.4	11	96	96	818831	806201	<0.2	0.6					
						7.4	0.0	102	24.2	24.2	8.0	8.0	31.8	31.8	92.5	92.4	6.5	14.5	13	96	96	818831	806201	<0.2	0.6					
IM3	Fine	Moderate	10:31	8.9	Surface	1.0	0.0	23	24.3	24.3	8.0	8.0	31.7	31.7	93.1	93.1	6.5	11.7	12	92	94	819434	806024	<0.2	0.6	0.6				
						1.0	0.0	24	24.3	24.3	8.0	8.0	31.7	31.7	93.0	93.1	6.5	12.0	12	92	94	819434	806024	<0.2	0.6					
					Middle	4.5	0.1	82	24.2	24.2	8.0	8.0	31.7	31.7	92.1	92.1	6.4	13.7	12	94	94	819434	806024	<0.2	0.7					
						4.5	0.1	85	24.2	24.2	8.0	8.0	31.7	31.7	92.1	92.1	6.4	12.9	12	94	94	819434	806024	<0.2	0.6					
					Bottom	7.9	0.0	126	24.2	24.2	8.0	8.0	31.7	31.7	91.7	91.8	6.4	14.3	12	96	96	819434	806024	<0.2	0.6					
						7.9	0.0	138	24.2	24.2	8.0	8.0	31.7	31.7	91.8	91.8	6.4	14.3	12	96	96	819434	806024	<0.2	0.6					
IM4	Fine	Moderate	10:24	7.9	Surface	1.0	0.1	285	24.3	24.3	8.0	8.0	31.6	31.6	93.1	93.1	6.5	13.4	13	91	93	819578	805048	<0.2	0.7	0.7				
						1.0	0.1	285	24.3	24.3	8.0	8.0	31.6	31.6	93.1	93.1	6.5	13.4	13	91	93	819578	805048	<0.2	0.7					
					Middle	4.0	0.0	291	24.2	24.2	8.0	8.0	31.7	31.7	92.7	92.8	6.5	13.9	13	93	93	819578	805048	<0.2	0.7					
						4.0	0.0	318	24.2	24.2	8.0	8.0	31.7	31.7	92.8	92.8	6.5	14.0	15	93	93	819578	805048	<0.2	0.7					
					Bottom	6.9	0.0	58	24.2	24.2	8.0	8.0	31.7	31.7	93.3	93.5	6.5	15.9	16	96	96	819578	805048	<0.2	0.8					
						6.9	0.0	60	24.2	24.2	8.0	8.0	31.7	31.7	93.6	93.5	6.5	15.9	15	96	96	819578	805048	<0.2	0.7					
IM5	Fine	Moderate	10:14	7.5	Surface	1.0	0.1	90	24.2	24.2	8.0	8.0	31.5	31.5	93.5	93.5	6.6	12.8	8	91	94	820539	804942	<0.2	0.9	0.8				
						1.0	0.1	96	24.2	24.2	8.0	8.0	31.5	31.5	93.5	93.5	6.6	12.9	8	91	94	820539	804942	<0.2	0.9					
					Middle	3.8	0.1	102	24.2	24.2	8.0	8.0	31.5	31.5	93.4	93.4	6.5	14.4	10	93	94	820539	804942	<0.2	0.9					
						3.8	0.1	110	24.2	24.2	8.0	8.0	31.5	31.5	93.4	93.4	6.5	14.3	10	94	94	820539	804942	<0.2	0.8					
					Bottom	6.5	0.1	57	24.2	24.2	8.0	8.0	31.6	31.6	94.4	94.6	6.6	14.9	10	96	96	820539	804942	<0.2	0.7					
						6.5	0.1	57	24.2	24.2	8.0	8.0	31.6	31.6	94.8	94.6	6.6	14.7	9	96	96	820539	804942	<0.2	0.8					
IM6	Fine	Moderate	10:05	7.6	Surface	1.0	0.0	125	24.2	24.2	8.0	8.0	31.1	31.1	93.0	93.1	6.5	14.1	7	91	94	821056	805836	<0.2	1.8	1.6				
						1.0	0.0	133	24.2	24.2	8.0	8.0	31.1	31.1	93.1	93.0	6.5	14.3	8	91	94	821056	805836	<0.2	2.0					
					Middle	3.8	0.1	114	24.2	24.2	8.0	8.0	31.4	31.4	92.9	93.0	6.5	15.6	10	94	94	821056	805836	<0.2	1.4					
						3.8	0.1	117	24.2	24.2	8.0	8.0	31.4	31.4	93.0	93.0	6.5	15.6	10	94	94	821056	805836	<0.2	1.6					
					Bottom	6.6	0.1	123	24.2	24.2	8.0	8.0	31.5	31.5	93.9	93.9	6.6	20.6	11	96	96	821056	805836	<0.2	1.3					
						6.6	0.1	130	24.2	24.2	8.0	8.0	31.4	31.4	93.9	93.9	6.6	20.7	12	96	96	821056	805836	<0.2	1.6					
IM7	Fine	Moderate	09:59	8.4	Surface	1.0	0.1	136	24.3	24.3	7.9	7.9	29.1	29.1	91.9	92.0	6.5	8.9	8	91										

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 November 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	Sunny	Moderate	10:37	7.4	Surface	1.0	0.2	107	24.7	8.0	8.0	30.0	30.0	93.4	93.4	6.5	6.6	12.0	6.6	4	94	94	94	94	822089	808802	<0.2	1.5	<0.2	1.5						
						1.0	0.2	110	24.7	8.0	8.0	30.0	30.0	93.4	93.4	6.5	6.6	12.0	6.6	5	93	93	93	93												
					Middle	3.7	0.2	83	24.6	24.6	8.0	8.0	30.7	30.7	94.0	94.0	6.6	6.6	17.0	10	10	97	97	97			97									
						3.7	0.2	83	24.6	24.6	8.0	8.0	30.7	30.7	94.0	94.0	6.6	6.6	17.0	10	10	97	97	97			97									
					Bottom	6.4	0.3	55	24.5	24.5	8.0	8.0	31.6	31.6	96.0	96.0	6.7	6.7	20.5	12	12	99	99	99			99									
						6.4	0.3	57	24.5	24.5	8.0	8.0	31.6	31.6	96.0	96.0	6.7	6.7	20.5	14	14	98	98	98			98									
IM10	Sunny	Moderate	10:47	7.3	Surface	1.0	0.2	124	24.7	8.0	8.0	30.2	30.2	91.5	91.5	6.4	6.4	10.2	9	93	93	93	93	822252	809826	<0.2	1.5	<0.2	1.7							
						1.0	0.2	131	24.7	24.7	8.0	8.0	30.2	30.2	91.5	91.5	6.4	6.4	10.2	9	94	94	94			94										
					Middle	3.7	0.2	97	24.5	24.5	8.0	8.0	30.4	30.4	91.2	91.2	6.4	6.4	15.2	9	9	97	97			97	97									
						3.7	0.2	97	24.5	24.5	8.0	8.0	30.4	30.4	91.2	91.2	6.4	6.4	15.2	8	8	96	96			96	96									
					Bottom	6.3	0.3	94	24.5	24.5	8.0	8.0	31.4	31.4	91.8	91.8	6.4	6.4	18.4	8	8	98	98			98	98									
						6.3	0.3	95	24.5	24.5	8.0	8.0	31.4	31.4	91.8	91.8	6.4	6.4	18.4	9	9	98	98			98	98									
IM11	Sunny	Moderate	10:57	8.6	Surface	1.0	0.2	108	24.7	24.7	8.0	8.0	30.0	30.0	90.6	90.6	6.4	6.4	11.1	8	94	94	94	94	821496	810561	<0.2	1.7	<0.2	1.6						
						1.0	0.2	109	24.7	24.7	8.0	8.0	30.0	30.0	90.6	90.6	6.4	6.4	11.1	9	9	94	94	94			94									
					Middle	4.3	0.2	119	24.5	24.5	8.0	8.0	30.6	30.6	90.6	90.6	6.4	6.4	15.7	9	9	97	97	97			97									
						4.3	0.3	130	24.5	24.5	8.0	8.0	30.6	30.6	90.6	90.6	6.4	6.4	15.7	7	7	97	97	97			97									
					Bottom	7.6	0.2	119	24.5	24.5	8.0	8.0	30.6	30.6	93.4	93.4	6.5	6.5	19.0	10	10	98	98	98			98									
						7.6	0.2	129	24.5	24.5	8.0	8.0	30.6	30.6	93.4	93.4	6.5	6.5	19.0	12	12	99	99	99			99									
IM12	Sunny	Moderate	11:04	9.0	Surface	1.0	0.4	106	24.7	24.7	8.0	8.0	29.8	29.8	90.8	90.8	6.4	6.4	6.4	6	93	93	93	93	821172	811525	<0.2	1.6	<0.2	1.7						
						1.0	0.4	109	24.7	24.7	8.0	8.0	29.8	29.8	90.8	90.8	6.4	6.4	6.4	7	7	94	94	94			94									
					Middle	4.5	0.3	109	24.6	24.6	8.0	8.0	30.1	30.1	90.1	90.1	6.3	6.3	8.1	7	7	98	98	98			98									
						4.5	0.3	118	24.6	24.6	8.0	8.0	30.1	30.1	90.1	90.1	6.3	6.3	8.1	7	7	98	98	98			98									
					Bottom	8.0	0.3	104	24.6	24.6	8.0	8.0	30.5	30.5	91.0	91.0	6.4	6.4	8.0	7	7	99	99	99			99									
						8.0	0.3	114	24.6	24.6	8.0	8.0	30.5	30.5	91.0	91.0	6.4	6.4	8.0	8	8	99	99	99			99									
SR2	Sunny	Moderate	11:28	4.0	Surface	1.0	0.3	96	24.7	24.7	8.0	8.0	30.5	30.5	90.6	90.6	6.3	6.3	8.3	6	96	96	96	96	821451	814147	<0.2	1.6	<0.2	1.5						
						1.0	0.4	102	24.7	24.7	8.0	8.0	30.5	30.5	90.6	90.6	6.3	6.3	8.3	6	97	97	97	97												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
					Bottom	3.0	0.2	99	24.7	24.7	8.0	8.0	30.4	30.4	91.8	91.8	6.4	6.4	8.2	7	7	99	99	99			99									
						3.0	0.2	108	24.7	24.7	8.0	8.0	30.4	30.4	91.8	91.8	6.4	6.4	8.2	7	7	98	98	98			98									
SR3	Sunny	Moderate	10:16	8.9	Surface	1.0	0.2	152	24.6	24.6	8.0	8.0	28.9	28.9	92.0	92.0	6.5	6.5	7.6	7	-	-	-	-	822142	807586	-	-	-	-						
						1.0	0.2	154	24.6	24.6	8.0	8.0	28.9	28.9	92.0	92.0	6.5	6.5	7.6	6	-	-	-	-												
					Middle	4.5	0.2	38	24.5	24.5	8.0	8.0	30.8	30.8	93.0	93.0	6.5	6.5	14.7	7	-	-	-	-												
						4.5	0.2	38	24.5	24.5	8.0	8.0	30.8	30.8	93.0	93.0	6.5	6.5	14.7	7	-	-	-	-												
					Bottom	7.9	0.2	16	24.5	24.5	8.0	8.0	31.1	31.1	94.5	94.5	6.6	6.6	20.9	8	-	-	-	-												
						7.9	0.2	17	24.5	24.5	8.0	8.0	31.1	31.1	94.5	94.5	6.6	6.6	20.9	7	-	-	-	-												
SR4A	Fine	Moderate	11:24	9.1	Surface	1.0	0.2	79	24.3	24.3	8.0	8.0	31.7	31.7	93.3	93.3	6.5	6.5	11.6	11	-	-	-	-	817162	807828	-	-	-	-						
						1.0	0.3	80	24.3	24.3	8.0	8.0	31.7	31.7	93.2	93.2	6.5	6.5	11.7	11	-	-	-	-												
					Middle	4.6	0.2	77	24.3	24.3	8.0	8.0	31.8	31.8	92.9	92.9	6.5	6.5	12.4	12	-	-	-	-												
						4.6	0.2	83	24.3	24.3	8.0	8.0	31.8	31.8	92.9	92.9	6.5	6.5	12.4	12	-	-	-	-												
					Bottom	8.1	0.2	75	24.2	24.2	8.0	8.0	31.8	31.8	93.5	93.6	6.5	6.6	15.6	12	-	-	-	-												
						8.1	0.2	80	24.2	24.2	8.0	8.0	31.8	31.8	93.6	93.6	6.6	6.6	15.4	14	-	-	-	-												
SR5A	Fine	Moderate	11:40	3.4	Surface	1.0	0.1	8	24.4	24.4	7.9	7.9	30.6	30.6	91.9	92.0	6.5	6.5	9.5	9	-	-	-	-	816589	810716	-	-	-	-						
						1.0	0.1	8	24.4	24.4	7.9	7.9	30.6	30.6	92.0	92.0	6.5	6.5	9.6	9	-	-	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	
					Bottom	2.4	0.1	35	24.3	24.3	7.9	7.9	30.6	30.6	93.5	93.6	6.6	6.6	10.0	9	-	-	-	-												
						2.4	0.1	36	24.3	24.3	7.9	7.9	30.6	30.6	93.6	93.6	6.6	6.6	10.0	10	-	-	-	-												
SR6	Fine	Moderate	12:03	4.0	Surface	1.0	0.1	56	24.5	24.5	7.9	7.9	30.1	30.1	90.8	90.8	6.4	6.4	7.3	6	-	-	-	-	817901	814691	-	-	-	-						
						1.0	0.1	56	24.5	24.5	7.9	7.9	30.1	30.1	90.7	90.7	6.4	6.4	7.6	8	-	-	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-		
					Bottom	3.0	0.1	37	24.2	24.2	7.9	7.9	30.3	30.3	92.0	92.0	6.5	6.5	13.1	6	-	-	-	-												
						3.0	0.1	40	24.2	24.2	7.9	7.9	30.3	30.3	92.2	92.1	6.5	6.5	13.1	6	-	-	-	-												
SR7	Sunny	Moderate	12:15	16.4	Surface	1.0	0.4	73	24.8	24.8	7.9	7.9	31.3	31.3	86.2	86.2	6.0	6.0	2.8	4	-	-	-	-	823660	823733	-	-	-	-						
						1.0	0.4	75	24.8	24.8	7.9	7.9	31.3	31.3	86.2	86.2	6.0	6.0	2.8	5	-	-	-	-												
					Middle	8.2	0.2	48	24.8	24.8	7.9	7.9	31.3	31.3	86.2	86.2	6.0	6.0	3.9	4	-	-	-	-												
						8.2	0.3	51	24.8	24.8	7.9	7.9	31.3	31.3	86.2	86.2	6.0	6.0	3.9	4	-	-	-	-												

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 November 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	06:16	8.7	Surface	1.0	0.5	41	24.2	8.0	8.0	31.5	31.5	92.6	92.6	6.5	6.5	9.4	15.2	10	9	94	94	815638	804254	<0.2	<0.2	0.8	0.8							
						1.0	0.6	41	24.2	24.2	8.0	8.0	31.5	31.5	92.6	92.6	6.5	6.5	9.6	15.2	9	9	91	91			<0.2	<0.2	0.7	0.7						
						4.4	0.5	33	24.2	24.2	8.0	8.0	31.6	31.6	92.4	92.4	6.5	6.5	14.2	15.2	8	8	96	96			<0.2	<0.2	0.8	0.8						
					4.4	0.6	34	24.2	24.2	8.0	8.0	31.6	31.6	92.4	92.4	6.5	6.5	14.3	15.2	8	8	96	96			<0.2	<0.2	0.7	0.7							
					7.7	0.4	26	24.2	24.2	8.0	8.0	31.7	31.7	93.0	93.0	6.5	6.5	21.9	6.5	8	8	98	98			<0.2	<0.2	0.8	0.8							
					7.7	0.4	26	24.2	24.2	8.0	8.0	31.7	31.7	93.2	93.1	6.5	6.5	21.9	6.5	10	10	98	98			<0.2	<0.2	0.8	0.8							
C2	Fine	Moderate	06:43	11.7	Surface	1.0	0.3	349	24.7	7.8	7.8	27.9	27.9	85.4	85.4	6.1	6.1	9.5	15.5	6	6	94	94	825710	806973	<0.2	<0.2	2.8	2.6							
						1.0	0.3	353	24.7	24.8	8.0	8.0	27.9	27.9	85.4	85.4	6.1	6.1	9.5	15.5	5	5	95	95			<0.2	<0.2	2.7	2.7						
						5.9	0.3	353	24.8	24.8	7.9	7.9	28.8	28.8	86.2	86.2	6.1	6.1	17.7	6.1	6	6	96	96			<0.2	<0.2	2.7	2.9						
					5.9	0.3	325	24.8	24.8	7.9	7.9	28.8	28.8	86.2	86.2	6.1	6.1	17.7	6.1	6	6	96	96			<0.2	<0.2	2.9	2.9							
					10.7	0.2	329	24.8	24.8	7.9	7.9	29.1	29.1	87.7	87.7	6.2	6.2	19.4	6.2	6	6	99	99			<0.2	<0.2	2.4	2.4							
					10.7	0.2	331	24.8	24.8	7.9	7.9	29.1	29.1	87.7	87.7	6.2	6.2	19.4	6.2	6	6	98	98			<0.2	<0.2	2.3	2.3							
C3	Fine	Moderate	04:57	12.2	Surface	1.0	0.5	263	24.6	7.9	7.9	30.1	30.1	86.6	86.6	6.1	6.1	5.3	13.4	6	6	96	96	822138	817791	<0.2	<0.2	1.6	1.8							
						1.0	0.5	270	24.6	24.6	7.9	7.9	30.1	30.1	86.6	86.6	6.1	6.1	5.3	13.4	5	5	97	97			<0.2	<0.2	1.8	1.8						
						6.1	0.6	264	24.7	24.7	7.9	7.9	30.7	30.7	85.9	85.9	6.0	6.0	7.0	6.0	8	8	99	99			<0.2	<0.2	1.9	1.9						
					6.1	0.6	274	24.7	24.7	7.9	7.9	30.7	30.7	85.9	85.9	6.0	6.0	7.0	6.0	7	7	99	99			<0.2	<0.2	2.1	2.1							
					11.2	0.4	264	24.8	24.8	7.9	7.9	31.0	31.0	88.8	88.8	6.2	6.2	28.0	6.2	7	7	102	102			<0.2	<0.2	1.6	1.6							
					11.2	0.4	277	24.8	24.8	7.9	7.9	31.0	31.0	88.8	88.8	6.2	6.2	28.0	6.2	6	6	102	102			<0.2	<0.2	1.8	1.8							
IM1	Fine	Moderate	06:32	7.4	Surface	1.0	0.5	354	24.1	24.1	8.0	8.0	31.1	31.1	92.0	92.0	6.5	6.5	9.1	15.8	9	9	92	92	818324	806470	<0.2	<0.2	1.2	1.2						
						1.0	0.5	326	24.1	24.1	8.0	8.0	31.1	31.1	92.0	92.0	6.5	6.5	9.2	15.8	8	8	92	92			<0.2	<0.2	1.3	1.3						
						3.7	0.5	357	24.2	24.2	8.0	8.0	31.3	31.3	91.8	91.9	6.5	6.5	11.7	6.5	7	7	94	94			<0.2	<0.2	1.4	1.4						
					3.7	0.5	328	24.2	24.2	8.0	8.0	31.3	31.3	91.9	91.9	6.5	6.5	12.0	6.5	9	9	94	94			<0.2	<0.2	1.1	1.1							
					6.4	0.3	4	24.2	24.2	8.0	8.0	31.6	31.6	94.4	94.5	6.6	6.6	26.3	6.6	12	12	96	96			<0.2	<0.2	1.1	1.1							
					6.4	0.3	4	24.2	24.2	8.0	8.0	31.6	31.6	94.5	94.5	6.6	6.6	26.2	6.6	14	14	96	96			<0.2	<0.2	1.0	1.0							
IM2	Cloudy	Moderate	06:37	8.7	Surface	1.0	0.2	13	24.0	24.0	8.0	8.0	30.6	30.6	92.1	92.1	6.5	6.5	9.4	16.0	8	8	91	91	818848	806204	<0.2	<0.2	1.5	1.5						
						1.0	0.3	13	24.0	24.0	8.0	8.0	30.6	30.6	92.1	92.1	6.5	6.5	9.3	16.0	8	8	91	91			<0.2	<0.2	1.3	1.3						
						4.4	0.3	23	24.2	24.2	8.0	8.0	30.9	30.9	91.9	91.9	6.5	6.5	15.1	6.5	9	9	93	93			<0.2	<0.2	1.6	1.6						
					4.4	0.4	24	24.2	24.2	8.0	8.0	30.9	30.9	91.9	91.9	6.5	6.5	15.2	6.5	9	9	94	94			<0.2	<0.2	1.7	1.7							
					7.7	0.3	31	24.3	24.3	8.0	8.0	31.6	31.6	92.4	92.6	6.5	6.5	23.4	6.5	8	8	96	96			<0.2	<0.2	1.5	1.5							
					7.7	0.3	33	24.3	24.3	8.0	8.0	31.6	31.6	92.8	92.8	6.5	6.5	23.4	6.5	8	8	96	96			<0.2	<0.2	1.5	1.5							
IM3	Cloudy	Moderate	06:46	8.3	Surface	1.0	0.2	7	24.1	24.1	8.0	8.0	30.2	30.2	91.4	91.4	6.5	6.5	10.4	15.4	8	8	91	91	819434	806023	<0.2	<0.2	2.0	1.8						
						1.0	0.2	7	24.1	24.1	8.0	8.0	30.2	30.2	91.4	91.4	6.5	6.5	10.6	15.4	8	8	92	92			<0.2	<0.2	1.9	1.9						
						4.2	0.3	27	24.2	24.2	8.0	8.0	30.4	30.4	91.3	91.3	6.4	6.4	13.2	6.4	9	9	93	93			<0.2	<0.2	1.8	1.8						
					4.2	0.3	27	24.2	24.2	8.0	8.0	30.4	30.4	91.3	91.3	6.4	6.4	13.3	6.4	10	10	93	93			<0.2	<0.2	1.7	1.7							
					7.3	0.4	46	24.3	24.3	8.0	8.0	31.4	31.3	91.9	92.0	6.4	6.4	22.5	6.4	9	9	96	96			<0.2	<0.2	1.8	1.8							
					7.3	0.4	50	24.3	24.3	8.0	8.0	31.3	31.3	92.0	92.0	6.4	6.4	22.6	6.4	8	8	96	96			<0.2	<0.2	1.6	1.6							
IM4	Cloudy	Moderate	06:55	8.0	Surface	1.0	0.3	12	24.1	24.1	8.0	8.0	30.1	30.1	91.8	91.8	6.5	6.5	9.8	15.3	8	8	91	91	819580	805039	<0.2	<0.2	2.1	1.8						
						1.0	0.3	12	24.1	24.1	8.0	8.0	30.1	30.1	91.8	91.8	6.5	6.5	9.8	15.3	10	10	92	92			<0.2	<0.2	1.8	1.8						
						4.0	0.4	42	24.2	24.2	8.0	8.0	30.7	30.7	92.0	92.0	6.5	6.5	11.4	6.5	12	12	94	94			<0.2	<0.2	1.8	1.8						
					4.0	0.5	46	24.2	24.2	8.0	8.0	30.7	30.7	92.0	92.0	6.5	6.5	11.4	6.5	11	11	94	94			<0.2	<0.2	1.7	1.7							
					7.0	0.4	45	24.2	24.2	8.0	8.0	31.1	31.1	93.8	93.8	6.6	6.6	24.6	6.6	11	11	96	96			<0.2	<0.2	1.9	1.9							
					7.0	0.4	48	24.2	24.2	8.0	8.0	31.1	31.1	94.1	94.0	6.6	6.6	24.5	6.6	12	12	96	96			<0.2	<0.2	1.7	1.7							
IM5	Cloudy	Moderate	07:04	7.0	Surface	1.0	0.4	1	24.2	24.2	8.0	8.0	30.0	30.0	91.2	91.2	6.4	6.4	10.8	15.2	10	10	91	91	820583	804909	<0.2	<0.2	2.0	2.0						
						1.0	0.4	1	24.2	24.2	8.0	8.0	30.0	30.0	91.2	91.2	6.4	6.4	10.8	6.4	10	10	91	91			<0.2	<0.2	2.1	2.1						
						3.5	0.4	359	24.2	24.2	8.0	8.0	30.1	30.1	91.1	91.1	6.4	6.4	13.2	6.4	10	10	94	94			<0.2	<0.2	2.0	2.0						
					3.5	0.4	330	24.2	24.2	8.0	8.0	30.1	30.1	91.1	91.1	6.4	6.4	13.4	6.4	12	12	94	94			<0.2	<0.2	2.0	2.0							
					6.0	0.3	5	24.2	24.2	8.0	8.0	30.6	30.6	92.1	92.1	6.5	6.5	21.4	6.5	16	16	98	98			<0.2	<0.2	1.8	1.8							
					6.0	0.4	5	24.2	24.2	8.0	8.0	30.6	30.6	92.3	92.2	6.5	6.5	21.3	6.5																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 November 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
C1	Misty	Moderate	12:22	8.4	Surface	1.0	0.1	168	24.7	24.7	7.9	7.9	28.0	28.0	92.0	92.0	6.5	6.5	7.9	7.9	7	7	91	91	815595	804228	<0.2	1.8	1.6	
						1.0	0.1	168	24.7	24.7	7.9	7.9	28.0	28.0	92.0	92.0	6.5	6.5	7.9	7.9	6	6	91	91			<0.2	2.2		
					Middle	4.2	0.2	228	24.5	24.5	7.9	7.9	29.9	29.9	91.2	91.2	6.4	6.4	15.0	15.0	5	5	93	93			<0.2	1.4		
						4.2	0.2	235	24.5	24.5	7.9	7.9	29.9	29.9	91.2	91.2	6.4	6.4	15.0	15.0	5	5	94	94			<0.2	1.6		
					Bottom	7.4	0.2	224	24.5	24.5	7.9	7.9	30.2	30.2	91.1	91.1	6.4	6.4	24.3	24.3	10	10	95	95			<0.2	1.3		
						7.4	0.2	239	24.5	24.5	7.9	7.9	30.2	30.2	91.1	91.1	6.4	6.4	24.3	24.3	10	10	96	96			<0.2	1.5		
C2	Cloudy	Moderate	11:15	11.9	Surface	1.0	0.3	93	25.1	25.1	7.8	7.8	26.2	26.2	84.3	84.3	6.0	6.0	10.4	10.4	6	6	92	92	825697	806922	<0.2	3.2	2.9	
						1.0	0.3	94	25.1	25.1	7.8	7.8	26.2	26.2	84.3	84.3	6.0	6.0	10.5	10.5	6	6	92	92			<0.2	3.5		
					Middle	6.0	0.1	275	25.0	25.0	7.9	7.9	28.7	28.7	85.6	85.6	6.0	6.0	14.2	14.2	12	12	94	94			<0.2	2.9		
						6.0	0.1	293	25.0	25.0	7.9	7.9	28.7	28.7	85.6	85.6	6.0	6.0	14.2	14.2	12	12	94	94			<0.2	2.8		
					Bottom	10.9	0.1	226	25.0	25.0	7.9	7.9	29.6	29.6	86.5	86.5	6.0	6.0	27.7	27.7	20	20	96	96			<0.2	2.6		
						10.9	0.1	229	25.0	25.0	7.9	7.9	29.6	29.6	86.5	86.5	6.0	6.0	27.9	27.9	20	20	97	97			<0.2	2.2		
C3	Cloudy	Moderate	13:01	12.0	Surface	1.0	0.5	63	25.0	25.0	8.0	8.0	30.2	30.2	87.5	87.5	6.1	6.1	5.2	5.2	6	6	92	92	822123	817825	<0.2	1.5	1.3	
						1.0	0.5	63	25.0	25.0	8.0	8.0	30.2	30.2	87.5	87.5	6.1	6.1	5.2	5.2	5	5	92	92			<0.2	1.6		
					Middle	6.0	0.3	92	24.9	24.9	7.9	7.9	30.9	30.9	85.4	85.4	5.9	5.9	6.3	6.3	8	8	94	94			<0.2	1.2		
						6.0	0.3	98	24.9	24.9	7.9	7.9	30.9	30.9	85.4	85.4	5.9	5.9	6.3	6.3	8	8	94	94			<0.2	1.2		
					Bottom	11.0	0.3	95	24.9	24.9	7.9	7.9	31.2	31.2	86.0	86.0	6.0	6.0	7.8	7.8	8	8	96	96			<0.2	1.3		
						11.0	0.3	97	24.9	24.9	7.9	7.9	31.2	31.2	86.1	86.1	6.0	6.0	7.9	7.9	7	7	97	97			<0.2	1.1		
IM1	Misty	Moderate	12:05	7.4	Surface	1.0	0.1	113	24.9	24.9	7.9	7.9	28.7	28.7	93.3	93.3	6.6	6.6	8.8	8.8	6	6	91	91	818322	806444	<0.2	1.6	1.8	
						1.0	0.1	119	24.9	24.9	7.9	7.9	28.7	28.7	93.3	93.3	6.6	6.6	8.8	8.8	5	5	91	91			<0.2	1.9		
					Middle	3.7	0.0	116	24.7	24.7	7.9	7.9	28.9	28.9	92.1	92.1	6.5	6.5	11.7	11.7	7	7	94	94			<0.2	1.7		
						3.7	0.0	127	24.7	24.7	7.9	7.9	28.9	28.9	92.1	92.1	6.5	6.5	11.7	11.7	7	7	94	94			<0.2	1.7		
					Bottom	6.4	0.1	163	24.8	24.8	7.8	7.8	28.8	28.8	92.2	92.2	6.5	6.5	12.7	12.7	9	9	97	97			<0.2	1.7		
						6.4	0.1	173	24.8	24.8	7.8	7.8	28.8	28.8	92.2	92.2	6.5	6.5	12.7	12.7	7	7	97	97			<0.2	2.2		
IM2	Misty	Moderate	12:00	8.3	Surface	1.0	0.1	91	24.9	24.9	7.9	7.9	28.7	28.7	93.3	93.3	6.6	6.6	9.8	9.8	5	5	89	89	818878	806215	<0.2	1.8	1.5	
						1.0	0.1	98	24.9	24.9	7.9	7.9	28.7	28.7	93.3	93.3	6.6	6.6	9.8	9.8	4	4	91	91			<0.2	1.7		
					Middle	4.2	0.0	104	24.7	24.7	7.9	7.9	29.1	29.1	91.9	91.9	6.5	6.5	13.6	13.6	7	7	94	94			<0.2	1.4		
						4.2	0.0	108	24.7	24.7	7.9	7.9	29.1	29.1	91.9	91.9	6.5	6.5	13.6	13.6	8	8	94	94			<0.2	1.3		
					Bottom	7.3	0.0	81	24.7	24.7	7.9	7.9	29.1	29.1	92.0	92.0	6.5	6.5	15.7	15.7	12	12	97	97			<0.2	1.3		
						7.3	0.0	81	24.7	24.7	7.9	7.9	29.1	29.1	92.0	92.0	6.5	6.5	15.7	15.7	11	11	97	97			<0.2	1.3		
IM3	Misty	Moderate	11:53	8.6	Surface	1.0	0.0	148	25.0	25.0	7.9	7.9	29.0	29.0	92.7	92.7	6.5	6.5	13.2	13.2	8	8	91	91	819415	806021	<0.2	1.6	1.4	
						1.0	0.0	153	25.0	25.0	7.9	7.9	29.0	29.0	92.7	92.7	6.5	6.5	13.2	13.2	6	6	91	91			<0.2	1.3		
					Middle	4.3	0.0	56	24.7	24.7	7.9	7.9	29.1	29.1	91.5	91.5	6.4	6.4	19.7	19.7	11	11	96	96			<0.2	1.3		
						4.3	0.0	57	24.7	24.7	7.9	7.9	29.1	29.1	91.5	91.5	6.4	6.4	19.7	19.7	11	11	95	95			<0.2	1.2		
					Bottom	7.6	0.0	358	24.7	24.7	7.9	7.9	29.0	29.0	91.5	91.5	6.5	6.5	22.9	22.9	11	11	98	98			<0.2	1.4		
						7.6	0.0	329	24.7	24.7	7.9	7.9	29.0	29.0	91.5	91.5	6.5	6.5	22.9	22.9	12	12	98	98			<0.2	1.3		
IM4	Misty	Moderate	11:46	7.9	Surface	1.0	0.1	120	24.7	24.7	7.9	7.9	28.7	28.7	91.6	91.6	6.5	6.5	14.2	14.2	7	7	91	91	819556	805013	<0.2	1.8	1.6	
						1.0	0.1	127	24.7	24.7	7.9	7.9	28.7	28.7	91.6	91.6	6.5	6.5	14.2	14.2	9	9	92	92			<0.2	1.8		
					Middle	4.0	0.0	260	24.7	24.7	7.9	7.9	29.0	29.0	91.4	91.4	6.4	6.4	17.9	17.9	14	14	95	95			<0.2	1.4		
						4.0	0.0	271	24.7	24.7	7.9	7.9	29.0	29.0	91.4	91.4	6.4	6.4	17.9	17.9	12	12	96	96			<0.2	1.4		
					Bottom	6.9	0.1	252	24.7	24.7	7.9	7.9	28.8	28.8	91.4	91.4	6.5	6.5	18.6	18.6	18	18	99	99			<0.2	1.6		
						6.9	0.1	270	24.7	24.7	7.9	7.9	28.8	28.8	91.4	91.4	6.5	6.5	18.6	18.6	16	16	95	95			<0.2	1.5		
IM5	Misty	Moderate	11:38	6.8	Surface	1.0	0.1	102	24.9	24.9	7.9	7.9	28.6	28.6	91.9	91.9	6.5	6.5	12.4	12.4	11	11	91	91	820539	804947	<0.2	1.6	1.7	
						1.0	0.1	109	24.9	24.9	7.9	7.9	28.6	28.6	91.9	91.9	6.5	6.5	12.4	12.4	10	10	91	91			<0.2	1.7		
					Middle	3.4	0.1	30	24.7	24.7	7.9	7.9	28.7	28.7	91.0	91.0	6.4	6.4	16.8	16.8	10	10	95	95			<0.2	2.0		
						3.4	0.1	30	24.7	24.7	7.9	7.9	28.7	28.7	91.0	91.0	6.4	6.4	16.8	16.8	10	10	95	95			<0.2	1.8		
					Bottom	5.8	0.1	8	24.7	24.7	7.9	7.9	28.6	28.6	90.9	90.9	6.4	6.4	17.9	17.9	12	12	98	98			<0.2	1.6		
						5.8	0.1	8	24.7	24.7	7.9	7.9	28.6	28.6	90.9	90.9	6.4	6.4	17.9	17.9	12	12	98	98			<0.2	1.7		
IM6	Cloudy	Moderate	11:29	7.0	Surface	1.0	0.1	80	24.9	24.9	7.9	7.9	28.4	28.4	91.6	91.6	6.5	6.5	14.9	14.9	12	12	91	91	821065	805814	<0.2	1.9	1.8	
						1.0	0.1	80	24.9	24.9	7.9	7.9	28.4	28.4	91.6	91.6	6.5	6.5	14.9	14.9	12	12	91	91			<0.2	1.8		
					Middle	3.5	0.2	80	24.8	24.8	7.9	7.9	28.6	28.6	91.3	91.3	6.4	6.4	19.1	19.1	13	13	94	94			<0.2	1.8		
						3.5	0.2	80	24.8	24.8	7.9	7.9	28.6	28.6	91.3	91.3	6.4	6.4	19.1	19.1	11	11	94	94			<0.2	1.8		
					Bottom	6.0	0.1	64	24.7	24.7	7.8	7.8	28.5	28.5	91.4	91.4	6.5	6.5	21.6	21.6	10									

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 November 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	11:47	7.2	Surface	1.0	0.5	92	25.1	7.9	7.9	27.7	27.7	88.4	88.4	6.2	6.2	11.9	14.7	8	12	92	95	822107	808796	<0.2	<0.2	3.2	2.4							
						1.0	0.5	96	25.1	7.9	7.9	27.7	27.7	88.4	88.4	6.2	6.2	12.1	14.7	8	12	92	95	<0.2	<0.2	2.8	2.4									
						3.6	0.4	80	25.0	8.0	8.0	29.1	29.1	88.8	88.9	6.2	6.2	14.3	14.7	12	12	95	94	<0.2	<0.2	2.2	2.4									
					3.6	0.5	84	25.0	8.0	8.0	29.1	29.1	88.9	88.9	6.2	6.2	14.2	14.7	11	12	94	94	<0.2	<0.2	2.5	2.4										
					6.2	0.3	71	25.0	8.0	8.0	29.3	29.3	89.7	89.7	6.3	6.3	17.8	14.7	16	12	97	94	<0.2	<0.2	1.8	2.4										
					6.2	0.3	75	25.0	8.0	8.0	29.3	29.3	89.7	89.7	6.3	6.3	17.9	14.7	15	12	97	94	<0.2	<0.2	2.0	2.4										
IM10	Cloudy	Moderate	11:55	6.7	Surface	1.0	0.4	101	25.2	7.9	7.9	27.3	27.3	89.1	89.1	6.3	6.3	8.3	15.7	6	7	91	94	822264	809840	<0.2	<0.2	2.7	2.5							
						1.0	0.4	108	25.2	7.9	7.9	27.3	27.3	89.1	89.1	6.3	6.3	8.5	15.7	6	7	92	94	<0.2	<0.2	2.6	2.5									
						3.4	0.4	83	25.1	8.0	8.0	29.1	29.1	89.3	89.3	6.2	6.2	13.0	15.7	7	7	94	94	<0.2	<0.2	2.4	2.5									
					3.4	0.4	85	25.1	8.0	8.0	29.1	29.1	89.3	89.3	6.2	6.2	13.2	15.7	6	7	94	94	<0.2	<0.2	2.6	2.5										
					5.7	0.3	88	25.0	8.0	8.0	29.3	29.3	89.8	89.8	6.3	6.3	25.6	15.7	8	7	97	94	<0.2	<0.2	2.5	2.5										
					5.7	0.3	92	25.0	8.0	8.0	29.3	29.3	89.8	89.8	6.3	6.3	25.7	15.7	9	7	97	94	<0.2	<0.2	2.2	2.5										
IM11	Cloudy	Moderate	12:04	8.1	Surface	1.0	0.3	84	25.1	8.0	8.0	28.2	28.2	87.3	87.3	6.1	6.2	12.3	14.8	12	14	92	94	821526	810528	<0.2	<0.2	1.9	2.0							
						1.0	0.3	90	25.1	8.0	8.0	28.2	28.2	87.3	87.3	6.1	6.2	12.3	14.8	10	14	92	94	<0.2	<0.2	2.1	2.0									
						4.1	0.3	105	25.0	8.0	8.0	29.1	29.1	87.8	87.8	6.2	6.2	14.0	14.8	14	14	94	94	<0.2	<0.2	2.1	2.0									
					4.1	0.3	115	25.0	8.0	8.0	29.1	29.1	87.8	87.8	6.2	6.2	14.0	14.8	16	14	95	94	<0.2	<0.2	2.0	2.0										
					7.1	0.2	101	25.0	7.9	7.9	29.6	29.6	90.0	90.0	6.3	6.3	17.9	14.8	16	14	96	94	<0.2	<0.2	1.8	2.0										
					7.1	0.2	107	25.0	7.9	7.9	29.6	29.6	90.1	90.1	6.3	6.3	18.0	14.8	17	14	97	94	<0.2	<0.2	1.8	2.0										
IM12	Cloudy	Moderate	12:12	9.1	Surface	1.0	0.5	86	25.1	8.0	8.0	28.2	28.2	86.9	86.9	6.1	6.1	15.6	19.6	14	20	92	95	821159	811544	<0.2	<0.2	2.2	2.2							
						1.0	0.5	87	25.1	8.0	8.0	28.2	28.2	86.9	86.9	6.1	6.1	15.7	19.6	14	20	93	95	<0.2	<0.2	2.2	2.2									
						4.6	0.4	103	25.0	8.0	8.0	29.1	29.1	87.8	87.8	6.1	6.1	18.7	19.6	21	20	94	95	<0.2	<0.2	2.5	2.2									
					4.6	0.5	105	25.0	8.0	8.0	29.1	29.1	87.7	87.7	6.1	6.1	18.7	19.6	22	20	94	95	<0.2	<0.2	2.6	2.2										
					8.1	0.1	81	25.0	8.0	8.0	29.9	29.9	88.8	88.8	6.2	6.2	24.3	19.6	24	20	97	95	<0.2	<0.2	1.8	2.2										
					8.1	0.2	85	25.0	8.0	8.0	29.9	29.9	88.8	88.8	6.2	6.2	24.4	19.6	25	20	97	95	<0.2	<0.2	2.1	2.2										
SR2	Cloudy	Moderate	12:40	4.7	Surface	1.0	0.4	92	25.1	7.9	7.9	28.4	28.4	89.5	89.6	6.3	6.3	6.7	7.4	8	8	92	93	821485	814143	<0.2	<0.2	2.3	2.2							
						1.0	0.5	96	25.1	7.9	7.9	28.5	28.4	89.6	89.6	6.3	6.3	6.8	7.4	6	8	92	93	<0.2	<0.2	2.2	2.2									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					3.7	0.4	106	25.1	7.9	7.9	29.5	29.5	91.6	91.6	6.4	6.4	8.0	7.4	8	8	94	93	<0.2	<0.2	2.2	2.2										
					3.7	0.4	110	25.1	7.9	7.9	29.5	29.5	91.6	91.6	6.4	6.4	8.0	7.4	8	8	95	93	<0.2	<0.2	2.2	2.2										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SR3	Cloudy	Moderate	11:35	8.8	Surface	1.0	0.2	131	25.1	7.8	7.8	26.9	26.9	86.2	86.3	6.1	6.2	13.5	17.4	6	11	-	-	822152	807541	-	-	-	-							
						1.0	0.3	134	25.1	7.8	7.8	26.9	26.9	86.3	86.3	6.1	6.2	13.5	17.4	4	11	-	-	-	-	-	-	-	-	-	-					
						4.4	0.3	71	25.1	7.9	7.9	28.4	28.4	88.6	88.6	6.2	6.2	16.0	17.4	14	11	-	-	-	-	-	-	-	-	-	-					
					4.4	0.3	71	25.1	7.9	7.9	28.4	28.4	88.6	88.6	6.2	6.2	16.0	17.4	15	11	-	-	-	-	-	-	-	-	-	-	-					
					7.8	0.3	72	25.0	7.9	7.9	28.8	28.8	89.0	89.0	6.3	6.3	22.8	17.4	13	11	-	-	-	-	-	-	-	-	-	-	-	-				
					7.8	0.3	75	25.0	7.9	7.9	28.8	28.8	89.0	89.0	6.3	6.3	22.8	17.4	15	11	-	-	-	-	-	-	-	-	-	-	-	-				
SR4A	Cloudy	Calm	12:43	8.3	Surface	1.0	0.2	66	24.7	7.9	7.9	28.9	28.9	91.1	91.1	6.4	6.4	10.8	12.8	10	11	-	-	817165	807829	-	-	-	-							
						1.0	0.2	67	24.7	7.9	7.9	28.9	28.9	91.1	91.1	6.4	6.4	10.8	12.8	8	11	-	-	-	-	-	-	-	-	-						
						4.2	0.2	74	24.7	7.9	7.9	28.9	28.9	90.7	90.7	6.4	6.4	13.6	12.8	11	11	-	-	-	-	-	-	-	-	-						
					4.2	0.2	74	24.7	7.9	7.9	28.9	28.9	90.7	90.7	6.4	6.4	13.6	12.8	12	11	-	-	-	-	-	-	-	-	-							
					7.3	0.2	78	24.7	7.9	7.9	28.8	28.8	91.0	91.0	6.4	6.4	13.9	12.8	12	11	-	-	-	-	-	-	-	-	-							
					7.3	0.2	81	24.7	7.9	7.9	28.8	28.8	91.0	91.0	6.4	6.4	13.9	12.8	12	11	-	-	-	-	-	-	-	-	-							
SR5A	Cloudy	Calm	12:59	4.9	Surface	1.0	0.1	122	24.8	7.9	7.9	29.0	29.0	91.3	91.3	6.4	6.4	9.8	9.9	11	11	-	-	816616	810714	-	-	-	-							
						1.0	0.2	129	24.8	7.9	7.9	29.0	29.0	91.3	91.3	6.4	6.4	9.8	9.9	10	11	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					3.9	0.1	54	24.8	7.8	7.8	28.8	28.8	91.4	91.4	6.4	6.4	10.0	9.9	10	11	-	-	-	-	-	-	-	-								
					3.9	0.1	56	24.8	7.8	7.8	28.8	28.8	91.4	91.4	6.4	6.4	10.0	9.9	12	11	-	-	-	-	-	-	-	-								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
SR6	Cloudy	Calm	13:21	3.8	Surface	1.0	0.1	54	24.7	7.8	7.8	29.1	29.1	87.3	87.3	6.2	6.2	11.4	12.4	7	8	-	-	817905	814673	-	-	-	-							
						1.0	0.1	57	24.7	7.8	7.8	29.1	29.1	87.3	87.3	6.2	6.2	11.4	12.4	5	8	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					2.8	0.1	70	24.7	7.8	7.8	29.2	29.2	88.0	88.0	6.2	6.2	13.4	12.4	11	8	-	-	-	-	-	-	-									
					2.8	0.1	75	24.7	7.8	7.8	29.2	29.2	88.0	88.0																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 November 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	07:14	8.4	Surface	1.0	0.4	45	24.7	7.9	7.9	28.8	28.8	91.4	91.4	6.5	6.5	17.7	6.4	16	15	91	95	815646	804248	<0.2	<0.2	1.8	1.9	
						1.0	0.4	45	24.7	7.9	7.9	28.8	28.8	91.4	91.4	6.5	6.5	17.5	6.4	15	15	92	95	815646	804248	<0.2	<0.2	1.7	1.9	
						4.2	0.4	52	24.7	7.9	7.9	29.2	29.2	91.8	91.8	6.5	6.5	20.8	6.4	15	15	95	95	815646	804248	<0.2	<0.2	1.9	1.9	
					Middle	4.2	0.5	52	24.7	7.9	7.9	29.2	29.2	91.8	91.8	6.5	6.5	20.8	6.4	14	14	95	95	815646	804248	<0.2	<0.2	1.8	1.9	
						7.4	0.5	42	24.7	7.9	7.9	29.2	29.2	91.4	91.4	6.4	6.4	23.4	6.4	15	15	97	97	815646	804248	<0.2	<0.2	1.9	1.9	
						7.4	0.5	42	24.7	7.9	7.9	29.2	29.2	91.4	91.4	6.4	6.4	23.6	6.4	16	16	97	97	815646	804248	<0.2	<0.2	2.2	2.2	
C2	Cloudy	Moderate	07:54	11.7	Surface	1.0	0.5	348	25.1	25.1	7.8	7.8	25.4	25.4	81.7	81.7	5.8	5.8	9.3	9.3	7	7	93	95	825654	806960	<0.2	<0.2	3.8	3.6
						1.0	0.5	320	25.1	25.1	7.8	7.8	25.4	25.4	81.7	81.7	5.8	5.8	9.4	9.3	8	8	94	95	825654	806960	<0.2	<0.2	3.5	3.6
						5.9	0.5	350	25.2	25.2	7.8	7.8	27.6	27.6	81.6	81.6	5.8	5.8	14.2	14.2	7	7	95	95	825654	806960	<0.2	<0.2	3.4	3.6
					Middle	5.9	0.5	322	25.2	25.2	7.8	7.8	27.7	27.7	81.9	81.9	5.8	5.8	16.3	16.3	9	9	95	95	825654	806960	<0.2	<0.2	3.4	3.6
						10.7	0.2	318	25.1	25.1	7.9	7.9	29.2	29.2	84.2	84.2	5.9	5.9	26.8	26.8	10	10	98	98	825654	806960	<0.2	<0.2	3.6	3.6
						10.7	0.2	327	25.1	25.1	7.9	7.9	29.2	29.2	84.2	84.2	5.9	5.9	26.4	26.4	9	9	97	97	825654	806960	<0.2	<0.2	3.6	3.6
C3	Cloudy	Moderate	06:04	11.2	Surface	1.0	0.5	276	25.0	25.0	7.9	7.9	29.6	29.6	88.6	88.6	6.2	6.2	7.8	7.8	6	6	93	96	822130	817829	<0.2	<0.2	1.8	1.6
						1.0	0.5	285	25.0	25.0	7.9	7.9	29.6	29.6	88.5	88.5	6.2	6.2	7.8	7.8	5	5	93	96	822130	817829	<0.2	<0.2	1.8	1.6
						5.6	0.5	271	25.0	25.0	7.9	7.9	30.3	30.3	88.1	88.1	6.1	6.1	14.4	14.4	15	15	96	96	822130	817829	<0.2	<0.2	1.5	1.6
					Middle	5.6	0.5	284	25.0	25.0	7.9	7.9	30.3	30.3	88.1	88.1	6.1	6.1	14.4	14.4	16	16	95	95	822130	817829	<0.2	<0.2	1.4	1.6
						10.2	0.4	267	25.0	25.0	7.9	7.9	30.3	30.3	88.8	88.8	6.2	6.2	19.7	19.7	24	24	98	98	822130	817829	<0.2	<0.2	1.6	1.6
						10.2	0.4	287	25.0	25.0	7.9	7.9	30.3	30.3	88.9	88.9	6.2	6.2	20.1	20.1	24	24	98	98	822130	817829	<0.2	<0.2	1.3	1.6
IM1	Cloudy	Moderate	07:30	7.2	Surface	1.0	0.4	31	24.7	24.7	7.9	7.9	28.0	28.0	87.5	87.5	6.2	6.2	14.6	14.6	9	9	91	96	818323	806465	<0.2	<0.2	2.1	2.3
						1.0	0.5	32	24.7	24.7	7.9	7.9	28.0	28.0	87.5	87.5	6.2	6.2	14.6	14.6	8	8	91	96	818323	806465	<0.2	<0.2	2.4	2.3
						3.6	0.4	22	24.7	24.7	7.9	7.9	28.3	28.3	88.4	88.4	6.3	6.3	20.0	20.0	9	9	96	96	818323	806465	<0.2	<0.2	2.2	2.3
					Middle	3.6	0.5	22	24.7	24.7	7.9	7.9	28.3	28.3	88.4	88.4	6.3	6.3	20.0	20.0	8	8	97	97	818323	806465	<0.2	<0.2	2.4	2.3
						6.2	0.4	348	24.8	24.8	7.9	7.9	29.0	29.0	88.5	88.5	6.2	6.2	25.6	25.6	13	13	99	99	818323	806465	<0.2	<0.2	2.2	2.3
						6.2	0.5	320	24.8	24.8	7.9	7.9	29.0	29.0	88.5	88.5	6.2	6.2	25.6	25.6	12	12	99	99	818323	806465	<0.2	<0.2	2.4	2.3
IM2	Cloudy	Moderate	07:36	8.1	Surface	1.0	0.5	29	24.7	24.7	7.9	7.9	27.7	27.7	86.1	86.1	6.1	6.1	16.2	16.2	9	9	92	96	818842	806173	<0.2	<0.2	2.4	2.3
						1.0	0.6	29	24.7	24.7	7.9	7.9	27.7	27.7	86.1	86.1	6.1	6.1	16.2	16.2	8	8	92	96	818842	806173	<0.2	<0.2	2.4	2.3
						4.1	0.5	15	24.8	24.8	7.9	7.9	28.5	28.5	87.6	87.6	6.2	6.2	19.0	19.0	8	8	95	95	818842	806173	<0.2	<0.2	2.6	2.3
					Middle	4.1	0.5	16	24.8	24.8	7.9	7.9	28.5	28.5	87.6	87.6	6.2	6.2	19.1	19.1	10	10	96	96	818842	806173	<0.2	<0.2	2.6	2.3
						7.1	0.3	10	24.8	24.8	7.9	7.9	28.7	28.7	87.6	87.6	6.2	6.2	22.4	22.4	16	16	99	99	818842	806173	<0.2	<0.2	2.1	2.3
						7.1	0.3	10	24.8	24.8	7.9	7.9	28.7	28.7	87.6	87.6	6.2	6.2	22.4	22.4	15	15	99	99	818842	806173	<0.2	<0.2	2.0	2.3
IM3	Cloudy	Moderate	07:42	8.3	Surface	1.0	0.5	37	24.7	24.7	7.8	7.8	27.3	27.3	85.6	85.6	6.1	6.1	14.5	14.5	9	9	92	96	819436	806025	<0.2	<0.2	2.4	2.3
						1.0	0.5	37	24.7	24.7	7.8	7.8	27.3	27.3	85.6	85.6	6.1	6.1	14.5	14.5	8	8	92	96	819436	806025	<0.2	<0.2	2.3	2.3
						4.2	0.5	24	24.7	24.7	7.9	7.9	28.1	28.1	87.4	87.4	6.2	6.2	19.4	19.4	8	8	96	96	819436	806025	<0.2	<0.2	2.2	2.3
					Middle	4.2	0.6	24	24.7	24.7	7.9	7.9	28.1	28.1	87.5	87.5	6.2	6.2	19.4	19.4	7	7	96	96	819436	806025	<0.2	<0.2	2.4	2.3
						7.3	0.3	29	24.8	24.8	7.9	7.9	28.9	28.9	88.1	88.1	6.2	6.2	23.6	23.6	20	20	99	99	819436	806025	<0.2	<0.2	2.2	2.3
						7.3	0.4	31	24.8	24.8	7.9	7.9	28.9	28.9	88.1	88.1	6.2	6.2	23.5	23.5	19	19	98	98	819436	806025	<0.2	<0.2	2.3	2.3
IM4	Cloudy	Moderate	07:49	7.6	Surface	1.0	0.6	8	24.7	24.7	7.8	7.8	27.6	27.6	86.6	86.6	6.2	6.2	11.9	11.9	9	9	92	96	819577	805018	<0.2	<0.2	2.6	2.6
						1.0	0.6	8	24.7	24.7	7.8	7.8	27.6	27.6	86.6	86.6	6.2	6.2	11.9	11.9	9	9	95	96	819577	805018	<0.2	<0.2	2.4	2.6
						3.8	0.6	17	24.7	24.7	7.8	7.8	28.1	28.1	87.4	87.4	6.2	6.2	18.9	18.9	8	8	97	97	819577	805018	<0.2	<0.2	2.8	2.6
					Middle	3.8	0.6	18	24.7	24.7	7.8	7.8	28.1	28.1	87.4	87.4	6.2	6.2	18.9	18.9	7	7	97	97	819577	805018	<0.2	<0.2	2.7	2.6
						6.6	0.4	20	24.7	24.7	7.8	7.8	28.3	28.3	88.4	88.4	6.3	6.3	23.8	23.8	10	10	100	100	819577	805018	<0.2	<0.2	2.4	2.6
						6.6	0.5	21	24.7	24.7	7.8	7.8	28.3	28.3	88.4	88.4	6.3	6.3	24.0	24.0	9	9	101	101	819577	805018	<0.2	<0.2	2.4	2.6
IM5	Misty	Moderate	08:01	6.7	Surface	1.0	0.6	16	24.7	24.7	7.8	7.8	27.8	27.8	85.0	85.0	6.0	6.0	15.2	15.2	16	16	92	96	820576	804950	<0.2	<0.2	2.3	2.3
						1.0	0.6	17	24.7	24.7	7.8	7.8	27.8	27.8	85.0	85.0	6.0	6.0	15.1	15.1	17	17	92	96	820576	804950	<0.2	<0.2	2.1	2.3
						3.4	0.5	16	24.7	24.7	7.8	7.8	28.3	28.3	85.2	85.2	6.0	6.0	18.6	18.6	18	18	96	96	820576	804950	<0.2	<0.2	2.4	2.3
					Middle	3.4	0.5	16	24.7	24.7	7.8	7.8	28.3	28.3	85.2	85.2	6.0	6.0	18.6	18.6	19	19	97	97	820					

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 November 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	07:20	7.0	Surface	1.0	0.3	1	25.0		7.8	7.8	26.0	26.0	82.3	82.3	5.9	5.9	10.7	12	93	96	822118	808815	<0.2	<0.2	3.4	3.4								
						1.0	0.3	1	25.0	25.0	7.8	7.8	26.0	26.0	82.3	82.3	5.9	5.9	10.8	12	93	96	<0.2	<0.2	3.3	3.3										
					Middle	3.5	0.3	342	25.0	25.0	7.9	7.9	26.7	26.7	82.9	82.9	5.9	5.9	14.2	11	96	96	<0.2	<0.2	3.0	3.0										
						3.5	0.3	315	25.0	25.0	7.9	7.9	26.7	26.7	82.9	82.9	5.9	5.9	14.0	11	96	96	<0.2	<0.2	3.3	3.3										
					Bottom	6.0	0.3	338	25.0	25.0	7.9	7.9	26.7	26.7	83.9	83.9	6.0	6.0	20.8	13	99	98	<0.2	<0.2	3.0	3.0										
						6.0	0.3	345	25.0	25.0	7.9	7.9	26.7	26.7	83.9	83.9	6.0	6.0	20.5	15	98	98	<0.2	<0.2	3.0	3.0										
IM10	Cloudy	Moderate	07:11	7.4	Surface	1.0	0.6	320	25.0	25.0	7.8	7.8	27.4	27.4	85.0	85.0	6.0	6.0	8.8	6	93	96	822240	809856	<0.2	<0.2	2.8	2.8								
						1.0	0.6	326	25.0	25.1	7.8	7.8	27.4	27.4	85.0	85.0	6.0	6.0	9.0	8	93	96	<0.2	<0.2	2.7	2.7										
					Middle	3.7	0.7	316	25.1	25.1	7.8	7.8	28.0	28.0	85.7	85.7	6.0	6.0	12.3	9	96	96	<0.2	<0.2	2.4	2.4										
						3.7	0.7	328	25.1	25.1	7.8	7.8	28.0	28.0	85.7	85.7	6.0	6.0	12.5	9	96	96	<0.2	<0.2	2.5	2.5										
					Bottom	6.4	0.5	315	25.1	25.1	7.9	7.9	28.6	28.6	87.6	87.6	6.1	6.1	24.3	10	98	98	<0.2	<0.2	2.5	2.5										
						6.4	0.6	326	25.1	25.1	7.9	7.9	28.6	28.6	87.6	87.6	6.1	6.1	24.1	9	98	98	<0.2	<0.2	2.6	2.6										
IM11	Cloudy	Moderate	06:58	7.5	Surface	1.0	0.4	286	25.0	25.0	7.8	7.8	27.6	27.6	85.4	85.4	6.0	6.0	8.9	7	94	96	821484	810549	<0.2	<0.2	2.9	2.9								
						1.0	0.4	301	25.0	25.1	7.8	7.8	27.6	27.6	85.4	85.4	6.0	6.0	9.1	5	93	96	<0.2	<0.2	2.9	2.9										
					Middle	3.8	0.5	287	25.1	25.1	7.9	7.9	29.1	29.1	87.0	87.0	6.1	6.1	17.2	6	96	96	<0.2	<0.2	3.0	3.0										
						3.8	0.5	308	25.1	25.1	7.9	7.9	29.1	29.1	87.0	87.0	6.1	6.1	17.2	8	95	99	<0.2	<0.2	3.0	3.0										
					Bottom	6.5	0.4	292	25.0	25.0	7.9	7.9	29.3	29.3	87.8	87.8	6.1	6.1	24.4	14	99	98	<0.2	<0.2	3.0	3.0										
						6.5	0.5	293	25.0	25.0	7.9	7.9	29.3	29.3	87.9	87.9	6.2	6.2	24.4	12	98	98	<0.2	<0.2	2.8	2.8										
IM12	Cloudy	Moderate	06:51	7.6	Surface	1.0	0.7	281	25.0	25.0	7.9	7.9	28.7	28.7	88.0	88.0	6.2	6.2	9.8	7	93	96	821166	811541	<0.2	<0.2	2.5	2.5								
						1.0	0.7	289	25.0	25.0	7.9	7.9	28.7	28.7	88.0	88.0	6.2	6.2	9.8	8	94	96	<0.2	<0.2	2.7	2.7										
					Middle	3.8	0.6	280	25.0	25.0	7.9	7.9	29.9	29.9	89.4	89.4	6.2	6.2	13.9	9	95	96	<0.2	<0.2	2.0	2.0										
						3.8	0.7	303	25.0	25.0	7.9	7.9	29.9	29.9	89.4	89.4	6.2	6.2	13.9	7	96	96	<0.2	<0.2	2.0	2.0										
					Bottom	6.6	0.5	281	24.9	24.9	7.9	7.9	30.1	30.1	90.1	90.1	6.3	6.3	22.6	12	98	98	<0.2	<0.2	1.9	1.9										
						6.6	0.5	284	24.9	24.9	7.9	7.9	30.1	30.1	90.1	90.1	6.3	6.3	22.6	13	98	98	<0.2	<0.2	1.7	1.7										
SR2	Cloudy	Moderate	06:26	3.4	Surface	1.0	0.1	47	25.0	25.0	7.9	7.9	29.0	29.0	88.3	88.4	6.2	6.2	9.5	10	93	96	821436	814141	<0.2	<0.2	2.3	2.3								
						1.0	0.1	49	25.0	25.0	7.9	7.9	29.0	29.0	88.4	88.4	6.2	6.2	9.2	10	93	96	<0.2	<0.2	2.0	2.0										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	2.4	0.1	32	25.0	25.0	7.9	7.9	29.3	29.3	90.0	90.1	6.3	6.3	11.9	11	97	96	<0.2	<0.2	2.1	2.1										
						2.4	0.1	34	25.0	25.0	7.9	7.9	29.3	29.3	90.1	90.1	6.3	6.3	11.9	13	96	96	<0.2	<0.2	1.9	1.9										
SR3	Cloudy	Moderate	07:34	8.6	Surface	1.0	0.2	340	25.0	25.0	7.8	7.8	25.2	25.2	81.7	81.7	5.9	5.9	10.5	8	-	-	822130	807555	-	-	-	-								
						1.0	0.2	357	25.0	25.1	7.8	7.8	25.2	25.2	81.7	81.7	5.9	5.9	10.6	8	-	-	-	-	-	-	-	-								
					Middle	4.3	0.4	9	25.1	25.1	7.8	7.8	26.1	26.1	81.4	81.4	5.8	5.8	16.9	14	-	-	-	-	-	-	-	-	-							
						4.3	0.4	9	25.1	25.1	7.8	7.8	26.1	26.1	81.4	81.4	5.8	5.8	17.0	12	-	-	-	-	-	-	-	-								
					Bottom	7.6	0.3	13	25.1	25.1	7.8	7.8	26.3	26.3	82.6	82.7	5.9	5.9	20.0	19	-	-	-	-	-	-	-	-	-							
						7.6	0.3	13	25.1	25.1	7.8	7.8	26.3	26.3	82.7	82.7	5.9	5.9	20.1	20	-	-	-	-	-	-	-	-								
SR4A	Fine	Calm	06:52	8.6	Surface	1.0	0.2	249	24.8	24.8	7.8	7.8	29.5	29.5	90.8	90.8	6.4	6.4	12.4	12	-	-	817217	807802	-	-	-	-								
						1.0	0.2	257	24.8	24.8	7.8	7.8	29.5	29.5	90.8	90.8	6.4	6.4	12.4	11	-	-	-	-	-	-	-									
					Middle	4.3	0.2	250	24.8	24.8	7.8	7.8	29.3	29.3	90.8	90.8	6.4	6.4	14.6	12	-	-	-	-	-	-	-	-								
						4.3	0.2	261	24.8	24.8	7.8	7.8	29.3	29.3	90.8	90.8	6.4	6.4	14.6	13	-	-	-	-	-	-	-									
					Bottom	7.6	0.2	227	24.8	24.8	7.8	7.8	29.0	29.0	91.4	91.4	6.4	6.4	15.8	15	-	-	-	-	-	-	-	-								
						7.6	0.2	236	24.8	24.8	7.8	7.8	29.0	29.0	91.4	91.4	6.4	6.4	15.8	13	-	-	-	-	-	-	-									
SR5A	Fine	Calm	06:35	4.4	Surface	1.0	0.2	301	24.7	24.7	7.8	7.8	30.1	30.1	90.7	90.7	6.4	6.4	12.0	10	-	-	816585	810675	-	-	-	-								
						1.0	0.2	330	24.7	24.7	7.8	7.8	30.1	30.1	90.7	90.7	6.4	6.4	12.0	8	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	3.4	0.2	303	24.7	24.7	7.7	7.7	30.1	30.1	91.9	91.9	6.4	6.4	12.7	15	-	-	-	-	-	-	-	-								
						3.4	0.2	328	24.7	24.7	7.7	7.7	30.1	30.1	91.9	91.9	6.4	6.4	12.7	15	-	-	-	-	-	-	-									
SR6	Fine	Calm	06:13	3.6	Surface	1.0	0.2	257	24.6	24.6	7.8	7.8	28.7	28.7	87.9	87.9	6.2	6.2	12.3	13	-	-	817895	814644	-	-	-	-								
						1.0	0.2	263	24.6	24.6	7.8	7.8	28.7	28.7	87.9	87.9	6.2	6.2	12.4	13	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	2.6	0.2	256	24.6	24.6	7.8	7.8	27.7	27.7	89.6	89.6	6.4	6.4	15.4	12	-	-	-	-	-	-	-									
						2.6	0.2	279	24.6	24.6	7.8	7.8	27.7	27.7	89.6	89.6	6.4	6.4	15.4	12	-	-	-	-	-	-										
SR7	Cloudy	Moderate	05:35	17.1	Surface	1.0	0.1	162	25.0	25.0																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 November 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	14:15	8.5	Surface	1.0	0.1	131	23.2	23.2	8.0	8.0	31.4	31.4	95.4	95.4	6.8	6.8	9.7	6.8	9	9	92	92	815625	804267	<0.2	0.8	0.9	
						1.0	0.2	138	23.2	8.0	8.0	31.4	31.4	95.3	95.4	6.8	6.8	9.9	6.8	8	9	92	92							
					Middle	4.3	0.0	114	23.2	23.2	8.0	8.0	31.5	31.5	95.0	95.1	6.8	6.8	10.9	6.8	9	9	93	93			<0.2	0.9		
						4.3	0.0	116	23.2	23.2	8.0	8.0	31.5	31.5	95.1	95.1	6.8	6.8	10.9	6.8	10	9	94	94			<0.2	1.0		
					Bottom	7.5	0.0	351	23.2	23.2	8.0	8.0	32.0	32.0	96.9	97.2	6.9	6.9	14.9	6.9	10	8	96	96			<0.2	0.8		
						7.5	0.0	354	23.2	23.2	8.0	8.0	32.0	32.0	97.5	97.2	6.9	6.9	14.7	6.9	8	9	97	97			<0.2	0.9		
C2	Cloudy	Moderate	13:01	11.7	Surface	1.0	0.2	63	23.7	23.7	7.9	7.9	28.7	28.7	89.6	89.6	6.4	6.4	8.8	6.5	6	6	91	91	825667	806935	<0.2	1.7	1.8	
						1.0	0.2	66	23.7	23.7	7.9	7.9	28.7	28.7	89.6	89.6	6.4	6.4	8.9	6.5	5	5	92	92						
					Middle	5.9	0.1	48	23.7	23.7	7.9	7.9	29.0	29.0	90.4	90.4	6.5	6.5	15.8	6.5	5	5	95	95			<0.2	2.0		
						5.9	0.2	50	23.7	23.7	7.9	7.9	29.0	29.0	90.4	90.4	6.5	6.5	15.8	6.5	4	4	96	96			<0.2	1.8		
					Bottom	10.7	0.2	321	23.5	23.5	8.0	8.0	29.9	29.9	91.9	91.9	6.6	6.6	20.7	6.6	9	9	98	98			<0.2	1.6		
						10.7	0.2	351	23.5	23.5	8.0	8.0	29.9	29.9	91.9	91.9	6.6	6.6	20.7	6.6	9	9	98	98			<0.2	1.8		
C3	Cloudy	Moderate	14:43	12.2	Surface	1.0	0.5	79	24.2	24.2	7.9	7.9	31.5	31.5	86.0	86.0	6.0	6.0	3.8	6.0	4	4	91	91	822125	817819	<0.2	0.8	0.9	
						1.0	0.5	80	24.2	24.2	7.9	7.9	31.5	31.5	86.0	86.0	6.0	6.0	3.8	6.0	3	3	91	91						
					Middle	6.1	0.5	84	24.1	24.1	7.9	7.9	31.6	31.6	85.9	85.9	6.0	6.0	4.6	6.0	4	4	93	93			<0.2	0.9		
						6.1	0.5	86	24.1	24.1	7.9	7.9	31.6	31.6	85.9	85.9	6.0	6.0	4.6	6.0	4	4	93	93			<0.2	0.9		
					Bottom	11.2	0.4	80	24.1	24.1	7.9	7.9	31.6	31.6	88.3	88.3	6.2	6.2	5.7	6.2	5	5	95	95			<0.2	1.0		
						11.2	0.4	80	24.1	24.1	7.9	7.9	31.6	31.6	88.3	88.3	6.2	6.2	5.7	6.2	6	6	96	96			<0.2	0.8		
IM1	Cloudy	Moderate	13:56	7.6	Surface	1.0	0.1	218	23.0	23.0	8.0	8.0	31.1	31.1	95.0	95.0	6.8	6.8	10.2	6.8	8	9	91	91	818369	806464	<0.2	0.9	1.0	
						1.0	0.1	227	23.0	23.0	8.0	8.0	31.1	31.1	94.9	95.0	6.8	6.8	10.4	6.8	9	9	92	92						
					Middle	3.8	0.1	84	23.0	23.0	8.0	8.0	31.3	31.3	94.3	94.3	6.8	6.8	13.1	6.8	10	9	93	93			<0.2	0.9		
						3.8	0.1	87	23.0	23.0	8.0	8.0	31.3	31.3	94.3	94.3	6.8	6.8	13.5	6.8	9	9	94	94			<0.2	1.2		
					Bottom	6.6	0.1	108	23.0	23.0	8.0	8.0	31.6	31.6	94.9	95.0	6.8	6.8	16.7	6.8	8	8	96	96			<0.2	1.1		
						6.6	0.1	110	23.0	23.0	8.0	8.0	31.6	31.6	95.1	95.0	6.8	6.8	16.7	6.8	9	9	97	97			<0.2	1.0		
IM2	Cloudy	Moderate	13:50	8.2	Surface	1.0	0.2	70	23.1	23.1	8.0	8.0	31.4	31.4	95.6	95.6	6.8	6.8	9.4	6.8	8	8	91	91	818823	806171	<0.2	0.9	0.9	
						1.0	0.2	73	23.1	23.1	8.0	8.0	31.4	31.4	95.5	95.6	6.8	6.8	9.6	6.8	8	8	91	91						
					Middle	4.1	0.0	62	23.1	23.1	8.0	8.0	31.6	31.6	95.5	95.6	6.8	6.8	10.3	6.8	8	8	94	94			<0.2	0.9		
						4.1	0.0	65	23.1	23.1	8.0	8.0	31.6	31.6	95.6	95.6	6.8	6.8	10.4	6.8	8	8	94	94			<0.2	0.8		
					Bottom	7.2	0.1	23	23.1	23.1	8.0	8.0	31.6	31.6	96.0	96.1	6.9	6.9	11.1	6.9	7	7	97	97			<0.2	0.9		
						7.2	0.1	24	23.1	23.1	8.0	8.0	31.6	31.6	96.2	96.1	6.9	6.9	11.1	6.9	6	6	97	97			<0.2	0.9		
IM3	Cloudy	Moderate	13:43	8.7	Surface	1.0	0.1	43	23.1	23.1	8.0	8.0	31.5	31.5	95.7	95.7	6.8	6.8	9.2	6.8	8	8	92	92	819393	806041	<0.2	0.8	0.8	
						1.0	0.1	43	23.1	23.1	8.0	8.0	31.5	31.5	95.6	95.7	6.8	6.8	9.3	6.8	8	8	92	92						
					Middle	4.4	0.2	50	23.2	23.2	8.0	8.0	31.9	31.9	94.3	94.3	6.7	6.7	14.7	6.7	8	8	94	94			<0.2	0.8		
						4.4	0.2	52	23.2	23.2	8.0	8.0	31.9	31.9	94.3	94.3	6.7	6.7	14.7	6.7	9	9	94	94			<0.2	0.8		
					Bottom	7.7	0.2	25	23.1	23.1	8.0	8.0	31.9	31.9	96.1	96.3	6.8	6.8	20.6	6.8	8	8	96	96			<0.2	0.8		
						7.7	0.2	27	23.1	23.1	8.0	8.0	31.9	31.9	96.5	96.3	6.9	6.9	20.5	6.9	8	8	96	96			<0.2	0.8		
IM4	Cloudy	Moderate	13:36	7.9	Surface	1.0	0.2	63	23.1	23.1	8.0	8.0	31.5	31.5	94.7	94.7	6.8	6.8	11.6	6.8	9	9	91	91	819589	805046	<0.2	1.0	1.0	
						1.0	0.2	66	23.1	23.1	8.0	8.0	31.5	31.5	94.6	94.6	6.8	6.8	11.6	6.8	9	9	91	91						
					Middle	4.0	0.2	59	23.1	23.1	8.0	8.0	31.8	31.8	94.0	94.0	6.7	6.7	16.7	6.7	10	10	94	94			<0.2	1.0		
						4.0	0.2	59	23.1	23.1	8.0	8.0	31.8	31.8	94.0	94.0	6.7	6.7	16.7	6.7	12	10	94	94			<0.2	1.0		
					Bottom	6.9	0.1	37	23.1	23.1	8.0	8.0	31.9	31.9	95.0	95.2	6.8	6.8	23.1	6.8	11	11	96	96			<0.2	0.9		
						6.9	0.1	38	23.1	23.1	8.0	8.0	31.9	31.9	95.4	95.4	6.8	6.8	23.1	6.8	10	10	97	97			<0.2	1.0		
IM5	Cloudy	Moderate	13:25	7.2	Surface	1.0	0.1	3	23.0	23.0	8.0	8.0	31.5	31.5	94.2	94.2	6.7	6.7	18.1	6.7	11	11	91	91	820563	804912	<0.2	0.9	0.9	
						1.0	0.2	3	23.0	23.0	8.0	8.0	31.5	31.5	94.2	94.2	6.7	6.7	18.3	6.7	10	10	91	91						
					Middle	3.6	0.2	340	23.0	23.0	8.0	8.0	31.5	31.5	94.2	94.2	6.7	6.7	21.9	6.7	11	11	94	94			<0.2	1.0		
						3.6	0.2	349	23.0	23.0	8.0	8.0	31.5	31.5	94.2	94.2	6.7	6.7	21.9	6.7	11	11	94	94			<0.2	1.0		
					Bottom	6.2	0.2	3	23.0	23.0	8.0	8.0	31.5	31.5	95.7	96.1	6.9	6.9	24.1	6.9	10	10	96	96			<0.2	0.8		
						6.2	0.2	3	23.0	23.0	8.0	8.0	31.5	31.5	96.4	96.1	6.9	6.9	24.1	6.9	11	11	97	97			<0.2	1.0		
IM6	Cloudy	Moderate	13:13	7.0	Surface	1.0	0.2	31	22.9	22.9	8.0	8.0	31.0	31.0	92.9	92.9	6.7	6.7	20.8	6.7	16	16	91	91	821031	805813	<0.2	1.2	1.2	
						1.0	0.2	33	22.9	22.9	8.0	8.0	31.0	31.0	92.9	92.9	6.7	6.7	20.8	6.7	16	16	92	92						
					Middle	3.5	0.3	52	22.9	22.9	8.0	8.0	31.1	31.1	93.4	93.5	6.7	6.7	21.3	6.7	16	16	93	93			<0.2	1.3		
						3.5	0.3	54	22.9	22.9	8.0	8.0	31.1	31.1	93.5	93.5	6.7	6.7	21.5	6.7	16	16	94	94			<0.2	1.2		
					Bottom	6.0	0.2	57	22.9	22.9	8.0	8.0	31.2	31.2	95.0	95.1	6.8	6.8	22.5	6.8	18	18	96	96			<0.2	1.2		
						6.0	0.3	60	22.9	22.9	8.0	8.0	31.2	31.2	95.1	95.1	6.8	6.8	22.6	6.8	19	19	97	97			<0.2	1.3		
IM7	Cloudy																													

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 November 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	13:34	7.2	Surface	1.0	0.2	92	23.6	23.6	8.1	8.1	29.9	29.9	92.4	92.4	6.6	6.6	11.6	11.6	10	92	95	822066	808787	<0.2	1.7	1.4	1.5			
						1.0	0.2	93	23.6	23.6	8.1	8.1	29.9	29.9	92.4	92.4	6.6	6.6	11.6	11.6	12	92	95	822066	808787	<0.2	1.4	1.4	1.5			
					Middle	3.6	0.3	74	23.4	23.4	8.0	8.0	30.4	30.4	93.3	93.3	6.7	6.7	13.5	13.5	11	95	95	822066	808787	<0.2	1.4	1.4	1.5			
						3.6	0.3	77	23.4	23.4	8.1	8.1	30.4	30.4	93.3	93.3	6.7	6.7	13.6	13.6	11	96	96	822066	808787	<0.2	1.6	1.6	1.5			
					Bottom	6.2	0.2	77	23.3	23.3	8.1	8.1	30.4	30.4	94.7	94.7	6.8	6.8	14.8	14.8	10	98	98	822066	808787	<0.2	1.4	1.4	1.5			
						6.2	0.2	77	23.3	23.3	8.1	8.1	30.4	30.4	94.7	94.7	6.8	6.8	14.8	14.8	10	98	98	822066	808787	<0.2	1.4	1.4	1.5			
IM10	Cloudy	Moderate	13:41	7.1	Surface	1.0	0.3	87	23.6	23.6	8.1	8.1	29.8	29.8	91.4	91.4	6.5	6.5	9.6	9.6	11	92	94	822256	809838	<0.2	1.5	1.5	1.4			
						1.0	0.3	93	23.6	23.6	8.1	8.1	29.8	29.8	91.4	91.4	6.5	6.5	9.6	9.6	10	92	94	822256	809838	<0.2	1.5	1.5	1.4			
					Middle	3.6	0.3	74	23.6	23.6	8.0	8.0	30.0	30.0	92.1	92.1	6.6	6.6	11.3	11.3	11	94	94	822256	809838	<0.2	1.4	1.4	1.4			
						3.6	0.3	75	23.6	23.6	8.0	8.0	30.0	30.0	92.1	92.1	6.6	6.6	11.3	11.3	11	94	94	822256	809838	<0.2	1.3	1.3	1.4			
					Bottom	6.1	0.1	60	23.4	23.4	8.0	8.0	30.4	30.4	94.2	94.2	6.7	6.7	11.6	11.6	11	97	97	822256	809838	<0.2	1.4	1.4	1.4			
						6.1	0.1	60	23.4	23.4	8.0	8.0	30.4	30.4	94.3	94.3	6.7	6.7	11.6	11.6	11	97	97	822256	809838	<0.2	1.4	1.4	1.4			
IM11	Cloudy	Moderate	13:51	8.3	Surface	1.0	0.3	89	23.6	23.6	8.0	8.0	30.2	30.2	91.8	91.8	6.5	6.5	11.7	11.7	9	91	94	821496	810559	<0.2	1.4	1.4	1.5			
						1.0	0.3	91	23.6	23.6	8.0	8.0	30.2	30.2	91.7	91.7	6.5	6.5	11.7	11.7	11	91	93	821496	810559	<0.2	1.4	1.4	1.5			
					Middle	4.2	0.2	92	23.5	23.5	8.0	8.0	30.4	30.4	91.8	91.8	6.6	6.6	12.3	12.3	10	93	93	821496	810559	<0.2	1.5	1.5	1.5			
						4.2	0.2	99	23.5	23.5	8.0	8.0	30.4	30.4	91.8	91.8	6.6	6.6	12.3	12.3	9	93	93	821496	810559	<0.2	1.7	1.7	1.5			
					Bottom	7.3	0.2	98	23.4	23.4	8.0	8.0	30.5	30.5	93.8	93.8	6.7	6.7	8.7	8.7	11	96	96	821496	810559	<0.2	1.5	1.5	1.5			
						7.3	0.2	105	23.4	23.4	8.0	8.0	30.5	30.5	93.8	93.8	6.7	6.7	8.7	8.7	12	97	97	821496	810559	<0.2	1.5	1.5	1.5			
IM12	Cloudy	Moderate	13:58	9.0	Surface	1.0	0.2	99	23.6	23.6	8.0	8.0	30.7	30.6	90.6	90.6	6.5	6.5	5.7	5.7	8	92	94	821176	811515	<0.2	1.4	1.4	1.3			
						1.0	0.2	107	23.6	23.6	8.0	8.0	30.6	30.6	90.6	90.6	6.5	6.5	5.7	5.7	10	92	94	821176	811515	<0.2	1.4	1.4	1.3			
					Middle	4.5	0.3	96	23.6	23.6	8.0	8.0	30.6	30.6	90.6	90.6	6.5	6.5	6.7	6.7	9	94	94	821176	811515	<0.2	1.3	1.3	1.3			
						4.5	0.3	98	23.6	23.6	8.0	8.0	30.6	30.6	90.6	90.6	6.4	6.4	6.8	6.8	10	94	94	821176	811515	<0.2	1.4	1.4	1.3			
					Bottom	8.0	0.3	109	23.5	23.5	8.0	8.0	30.6	30.6	90.8	90.8	6.5	6.5	11.0	11.0	10	97	97	821176	811515	<0.2	1.3	1.3	1.2			
						8.0	0.3	115	23.5	23.5	8.0	8.0	30.6	30.6	90.8	90.8	6.5	6.5	11.2	11.2	11	97	97	821176	811515	<0.2	1.2	1.2	1.2			
SR2	Cloudy	Moderate	14:23	4.5	Surface	1.0	0.3	74	23.7	23.7	8.0	8.0	30.6	30.6	90.9	90.9	6.5	6.5	7.4	7.4	5	92	94	821492	814193	<0.2	1.4	1.4	1.3			
						1.0	0.3	77	23.7	23.7	8.0	8.0	30.6	30.6	90.9	90.9	6.5	6.5	7.5	7.5	4	93	93	821492	814193	<0.2	1.3	1.3	1.3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94	821492	814193	<0.2	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94	821492	814193	<0.2	-	-
					Bottom	3.5	0.2	77	23.9	23.9	7.9	7.9	30.7	30.7	95.6	95.6	6.8	6.8	11.3	11.3	5	95	96	821492	814193	<0.2	1.2	1.2	1.2			
						3.5	0.2	82	23.9	23.9	7.9	7.9	30.7	30.7	95.6	95.6	6.8	6.8	11.3	11.3	4	96	96	821492	814193	<0.2	1.2	1.2	1.2			
SR3	Cloudy	Moderate	13:23	9.0	Surface	1.0	0.2	64	23.4	23.4	8.0	8.0	30.3	30.3	92.5	92.5	6.6	6.6	15.9	15.9	6	-	-	822119	807585	-	-	-	-			
						1.0	0.2	64	23.4	23.4	8.0	8.0	30.3	30.3	92.5	92.5	6.6	6.6	16.0	16.0	7	-	-	822119	807585	-	-	-	-			
					Middle	4.5	0.2	50	23.3	23.3	8.0	8.0	30.4	30.4	92.7	92.7	6.6	6.6	22.9	22.9	10	-	-	822119	807585	-	-	-	-			
						4.5	0.2	52	23.3	23.3	8.0	8.0	30.4	30.4	92.6	92.6	6.6	6.6	23.1	23.1	11	-	-	822119	807585	-	-	-	-			
					Bottom	8.0	0.2	29	23.2	23.2	8.0	8.0	30.4	30.4	94.1	94.1	6.8	6.8	27.8	27.8	15	-	-	822119	807585	-	-	-	-			
						8.0	0.2	31	23.2	23.2	8.0	8.0	30.4	30.4	94.1	94.1	6.8	6.8	27.6	27.6	16	-	-	822119	807585	-	-	-	-			
SR4A	Cloudy	Moderate	14:35	8.4	Surface	1.0	0.3	75	22.9	22.9	8.0	8.0	31.2	31.2	94.4	94.4	6.8	6.8	12.1	12.1	10	-	-	817174	807817	-	-	-	-			
						1.0	0.3	77	22.9	22.9	8.0	8.0	31.2	31.2	94.4	94.4	6.8	6.8	12.4	12.4	10	-	-	817174	807817	-	-	-	-			
					Middle	4.2	0.3	75	22.9	22.9	8.0	8.0	31.3	31.3	94.4	94.5	6.8	6.8	15.3	15.3	10	-	-	817174	807817	-	-	-	-			
						4.2	0.3	78	22.9	22.9	8.0	8.0	31.3	31.3	94.5	94.5	6.8	6.8	14.6	14.6	12	-	-	817174	807817	-	-	-	-			
					Bottom	7.4	0.3	70	22.9	22.9	8.0	8.0	31.3	31.3	96.0	96.3	6.9	6.9	17.3	17.3	12	-	-	817174	807817	-	-	-	-			
						7.4	0.3	76	22.9	22.9	8.0	8.0	31.3	31.3	96.5	96.9	6.9	6.9	16.3	16.3	12	-	-	817174	807817	-	-	-	-			
SR5A	Cloudy	Moderate	14:52	3.8	Surface	1.0	0.1	329	22.9	22.9	7.9	7.9	29.9	29.9	91.5	91.6	6.6	6.6	7.9	7.9	8	-	-	816597	810697	-	-	-	-			
						1.0	0.1	332	22.9	22.9	7.9	7.9	29.9	29.9	91.7	91.7	6.6	6.6	8.4	8.4	7	-	-	816597	810697	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816597	810697	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816597	810697	-	-	-	-	
					Bottom	2.8	0.1	335	22.8	22.8	7.9	7.9	29.9	29.9	93.1	93.4	6.7	6.7	9.1	9.1	8	-	-	816597	810697	-	-	-	-			
						2.8	0.1	347	22.8	22.8	7.9	7.9	29.9	29.9	93.7	93.4	6.8	6.8	9.3	9.3	8	-	-	816597	810697	-	-	-	-			
SR6	Cloudy	Moderate	15:15	4.0	Surface	1.0	0.1	60	23.1	23.1	7.9	7.9	29.6	29.6	91.0	91.1	6.6	6.6	7.1	7.1	7	-	-	817914	814690	-	-	-	-			

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	09:34	8.0	Surface	1.0	0.5	67	23.0	8.0	8.0	31.5	31.5	93.6	93.6	6.7	6.7	19.7	23	91	94	815621	804268	<0.2	<0.2	1.8	1.7			
						1.0	0.5	71	23.0	8.0	8.0	31.6	31.6	93.6	93.6	6.7	6.7	19.8	24	91	94	<0.2	<0.2	1.7	1.7					
						4.0	0.4	51	22.9	8.0	8.0	31.5	31.5	93.4	93.4	6.7	6.7	20.3	27	96	96	<0.2	<0.2	1.6	1.7					
					Middle	4.0	0.4	51	22.9	8.0	8.0	31.5	31.5	93.4	93.4	6.7	6.7	20.3	28	96	96	<0.2	<0.2	1.5	1.7					
						7.0	0.5	53	23.0	8.0	8.0	31.6	31.6	94.4	94.4	6.8	6.8	21.8	28	96	96	<0.2	<0.2	1.7	1.7					
						7.0	0.5	53	23.0	8.0	8.0	31.6	31.6	94.5	94.5	6.8	6.8	21.8	27	96	96	<0.2	<0.2	1.6	1.6					
C2	Cloudy	Moderate	10:03	11.4	Surface	1.0	0.3	330	23.7	7.9	7.9	29.3	29.3	88.1	88.1	6.3	6.3	10.7	10	93	96	825672	806937	<0.2	<0.2	1.7	1.7			
						1.0	0.4	350	23.7	7.9	7.9	29.3	29.3	88.1	88.1	6.3	6.3	10.7	10	93	96	<0.2	<0.2	1.8	1.9					
						5.7	0.3	347	23.8	7.9	7.9	29.3	29.3	88.2	88.2	6.3	6.3	11.6	11	96	96	<0.2	<0.2	1.9	1.9					
					Middle	5.7	0.3	354	23.8	7.9	7.9	29.3	29.3	88.2	88.2	6.3	6.3	11.6	10	97	99	<0.2	<0.2	1.9	1.9					
						10.4	0.3	357	23.9	7.9	7.9	29.4	29.4	90.2	90.2	6.4	6.4	21.2	12	99	99	<0.2	<0.2	1.6	1.6					
						10.4	0.3	328	23.9	7.9	7.9	29.4	29.4	90.2	90.2	6.4	6.4	21.2	11	99	99	<0.2	<0.2	1.5	1.5					
C3	Cloudy	Moderate	08:15	11.1	Surface	1.0	0.6	268	23.7	7.9	7.9	30.2	30.2	87.6	87.6	6.2	6.2	6.6	7	91	94	822088	817775	<0.2	<0.2	1.4	1.3			
						1.0	0.6	268	23.7	7.9	7.9	30.2	30.2	87.6	87.6	6.2	6.2	6.6	6	92	94	<0.2	<0.2	1.2	1.2					
						5.6	0.5	271	23.8	7.9	7.9	30.3	30.3	86.7	86.7	6.2	6.2	11.7	6	94	94	<0.2	<0.2	1.2	1.2					
					Middle	5.6	0.6	283	23.8	7.9	7.9	30.3	30.3	86.7	86.7	6.2	6.2	11.7	8	95	95	<0.2	<0.2	1.2	1.2					
						10.1	0.5	272	24.0	7.9	7.9	30.6	30.6	86.1	86.1	6.1	6.1	19.8	10	97	97	<0.2	<0.2	1.4	1.4					
						10.1	0.5	279	24.0	7.9	7.9	30.6	30.6	86.1	86.1	6.1	6.1	20.0	9	97	97	<0.2	<0.2	1.2	1.2					
IM1	Cloudy	Moderate	09:51	7.2	Surface	1.0	0.5	27	23.0	23.0	8.0	8.0	30.3	30.3	91.3	91.3	6.6	6.6	21.4	21	91	94	818343	806443	<0.2	<0.2	1.4	1.4		
						1.0	0.5	27	23.0	23.0	8.0	8.0	30.3	30.3	91.3	91.3	6.6	6.6	21.3	22	92	94	<0.2	<0.2	1.5	1.5				
						3.6	0.3	22	23.0	23.0	8.0	8.0	30.4	30.3	91.3	91.3	6.6	6.6	20.3	24	93	94	<0.2	<0.2	1.4	1.4				
					Middle	3.6	0.3	22	23.0	23.0	8.0	8.0	30.3	30.3	91.3	91.3	6.6	6.6	20.3	25	94	96	<0.2	<0.2	1.4	1.4				
						6.2	0.3	6	23.0	23.0	8.0	8.0	30.3	30.3	92.9	92.9	6.7	6.7	21.3	23	96	96	<0.2	<0.2	1.3	1.3				
						6.2	0.3	6	23.0	23.0	8.0	8.0	30.3	30.3	92.9	92.9	6.7	6.7	21.2	23	96	96	<0.2	<0.2	1.4	1.4				
IM2	Cloudy	Moderate	09:56	8.1	Surface	1.0	0.5	17	23.0	23.0	8.0	8.0	30.3	30.3	91.7	91.7	6.6	6.6	14.8	22	91	94	818867	806165	<0.2	<0.2	1.4	1.3		
						1.0	0.5	17	23.0	23.0	8.0	8.0	30.3	30.3	91.6	91.6	6.6	6.6	14.8	20	92	94	<0.2	<0.2	1.4	1.4				
						4.1	0.4	17	23.0	23.0	8.0	8.0	30.3	30.3	91.4	91.4	6.6	6.6	20.5	24	93	94	<0.2	<0.2	1.2	1.2				
					Middle	4.1	0.5	18	23.0	23.0	8.0	8.0	30.3	30.3	91.4	91.4	6.6	6.6	20.5	25	94	96	<0.2	<0.2	1.3	1.3				
						7.1	0.4	15	23.0	23.0	8.0	8.0	30.2	30.2	92.1	92.3	6.6	6.7	23.2	24	96	96	<0.2	<0.2	1.4	1.4				
						7.1	0.4	16	23.0	23.0	8.0	8.0	30.2	30.2	92.5	92.5	6.7	6.7	23.3	23	96	96	<0.2	<0.2	1.3	1.3				
IM3	Cloudy	Moderate	10:03	8.2	Surface	1.0	0.4	25	23.1	23.1	8.0	8.0	30.0	30.0	90.7	90.7	6.5	6.5	12.7	13	91	94	819394	806040	<0.2	<0.2	1.1	1.2		
						1.0	0.4	27	23.1	23.1	8.0	8.0	30.0	30.0	90.7	90.7	6.5	6.5	12.6	12	91	94	<0.2	<0.2	1.2	1.2				
						4.1	0.4	18	23.1	23.1	8.0	8.0	30.1	30.1	90.6	90.6	6.5	6.5	16.6	15	96	96	<0.2	<0.2	1.1	1.1				
					Middle	4.1	0.4	19	23.1	23.1	8.0	8.0	30.1	30.1	90.6	90.6	6.5	6.5	16.6	15	96	96	<0.2	<0.2	1.3	1.3				
						7.2	0.4	20	23.1	23.1	8.0	8.0	30.2	30.2	92.3	92.5	6.6	6.7	22.2	17	98	98	<0.2	<0.2	1.1	1.1				
						7.2	0.4	21	23.1	23.1	8.0	8.0	30.2	30.2	92.6	92.6	6.7	6.7	22.1	16	98	98	<0.2	<0.2	1.1	1.1				
IM4	Cloudy	Moderate	10:10	7.5	Surface	1.0	0.5	3	23.1	23.1	8.0	8.0	30.2	30.2	91.5	91.5	6.6	6.6	12.2	12	92	94	819573	805047	<0.2	<0.2	1.3	1.2		
						1.0	0.5	3	23.1	23.1	8.0	8.0	30.2	30.2	91.5	91.5	6.6	6.6	12.2	13	92	94	<0.2	<0.2	1.1	1.1				
						3.8	0.5	10	23.0	23.0	8.0	8.0	30.3	30.3	91.4	91.4	6.6	6.6	14.0	12	93	94	<0.2	<0.2	1.2	1.2				
					Middle	3.8	0.5	10	23.0	23.0	8.0	8.0	30.3	30.3	91.4	91.4	6.6	6.6	14.4	13	94	94	<0.2	<0.2	1.2	1.2				
						6.5	0.4	11	23.1	23.1	8.0	8.0	30.4	30.4	92.9	93.1	6.7	6.7	17.6	12	96	96	<0.2	<0.2	1.1	1.1				
						6.5	0.4	11	23.1	23.1	8.0	8.0	30.4	30.4	93.2	93.1	6.7	6.7	17.9	14	96	96	<0.2	<0.2	1.2	1.2				
IM5	Cloudy	Moderate	10:21	6.7	Surface	1.0	0.4	8	23.2	23.2	7.9	7.9	29.7	29.7	89.8	89.8	6.5	6.5	13.2	14	92	94	820546	804926	<0.2	<0.2	1.0	1.1		
						1.0	0.4	8	23.2	23.2	7.9	7.9	29.7	29.7	89.8	89.8	6.5	6.5	13.2	14	91	94	<0.2	<0.2	1.0	1.0				
						3.4	0.4	11	23.2	23.2	7.9	7.9	29.8	29.8	89.6	89.6	6.5	6.5	21.0	14	94	94	<0.2	<0.2	1.1	1.1				
					Middle	3.4	0.4	11	23.2	23.2	7.9	7.9	29.8	29.8	89.6	89.6	6.5	6.5	21.4	15	94	94	<0.2	<0.2	1.0	1.0				
						5.7	0.4	24	23.3	23.3	7.9	7.9	30.1	30.1	92.3	92.4	6.6	6.6	23.2	14	96	96	<0.2	<0.2	1.2	1.2				
						5.7	0.4	24	23.3	23.3	7.9	7.9	30.1	30.1	92.4	92.4	6.6	6.6	23.4	14	96	96	<0.2	<0.2	1.3	1.3				
IM6	Cloudy	Moderate	10:29	6.8	Surface	1.0	0.3	25	23.1	23.1	8.0	8.0	29.8	29.8	90.8	90.8	6.6	6.6	14.4	14	91	94	821046	805837	<0.2	<0.2	1.1	1.1		
						1.0	0.3	27	23.1	23.1	8.0	8.0	29.8	29.8	90.8	90.8	6.6	6.6	14.5	14	91	94	<0.2	<0.2	1.2	1.2				
						3.4	0.3	5	23.0	23.0	8.0	8.0	30.6	30.6	91.5	91.5	6.6	6.6	18.4	16	94	94	<0.2	<0.2	1.1	1.1				
					Middle	3.4	0.4	5	23.0	23.0	8.0	8.0	30.6	30.6	91.6	91.6	6.6	6.6	18.5	17	94	94	<0.2	<0.2	1.2	1.2				
						5.8	0.3	2	22.9	22.9	8.0	8.0	30.8	30.8	94.2	94.4	6.8	6.8	20.5	15	96	96	<0.2	<0.2	1.1	1.1				
						5.8	0.3	2	22.9	22.9	8.0	8.0	30.7	30.8	94.6	94.4	6.8													

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 November 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
C1	Cloudy	Moderate	15:22	8.6	Surface	1.0	0.2	81	22.3	8.0	8.0	32.6	32.6	94.8	94.8	6.8	6.8	15.9	6.8	18	18	97	97	815597	804245	<0.2	<0.2	0.6	0.6	
						1.0	0.2	82	22.3	8.0	8.0	32.6	32.6	94.8	94.8	6.8	6.8	16.2	6.8	16	16	97	97	<0.2	<0.2	0.7	0.7			
					Middle	4.3	0.2	124	22.3	22.3	8.0	8.0	32.6	32.6	95.0	95.1	6.8	6.8	18.6	6.8	19	19	99	99	<0.2	<0.2	0.6	0.6		
						4.3	0.2	127	22.3	22.3	8.0	8.0	32.6	32.6	95.1	95.1	6.9	6.9	18.8	6.9	19	19	99	99	<0.2	<0.2	0.6	0.6		
					Bottom	7.6	0.1	170	22.3	22.3	8.0	8.0	32.6	32.6	96.2	96.3	6.9	6.9	18.6	6.9	18	18	99	99	<0.2	<0.2	0.6	0.6		
						7.6	0.2	181	22.3	22.3	8.0	8.0	32.6	32.6	96.3	96.3	6.9	6.9	18.5	6.9	20	20	102	102	<0.2	<0.2	0.6	0.6		
C2	Fine	Moderate	14:14	12.3	Surface	1.0	0.1	50	22.7	8.0	8.0	30.5	30.5	92.3	92.3	6.7	6.7	7.4	6.7	7	7	94	94	825676	806923	<0.2	<0.2	1.5	1.5	
						1.0	0.1	51	22.7	8.0	8.0	30.5	30.5	92.2	92.3	6.7	6.7	7.4	6.7	6	6	95	95	<0.2	<0.2	1.6	1.6			
					Middle	6.2	0.2	359	22.8	22.8	8.0	8.0	30.9	31.0	92.5	92.7	6.7	6.7	10.0	6.7	6	6	96	96	<0.2	<0.2	1.7	1.7		
						6.2	0.3	330	22.7	22.8	8.0	8.0	31.0	31.0	92.9	92.7	6.7	6.7	10.0	6.7	6	6	96	96	<0.2	<0.2	1.6	1.6		
					Bottom	11.3	0.3	329	22.3	22.3	8.1	8.1	31.3	31.3	93.2	93.2	6.8	6.8	16.0	6.8	8	8	99	99	<0.2	<0.2	1.4	1.4		
						11.3	0.3	341	22.3	22.3	8.1	8.1	31.3	31.3	93.1	93.2	6.8	6.8	16.0	6.8	8	8	98	98	<0.2	<0.2	1.6	1.6		
C3	Fine	Moderate	15:59	12.0	Surface	1.0	0.1	31	23.2	23.2	8.0	8.0	32.4	32.4	89.0	89.0	6.3	6.3	3.8	6.3	2	2	96	96	822102	817825	<0.2	<0.2	0.7	0.7
						1.0	0.1	31	23.2	23.2	8.0	8.0	32.4	32.4	89.0	89.0	6.3	6.3	3.9	6.3	4	4	97	97	<0.2	<0.2	0.9	0.9		
					Middle	6.0	0.1	85	23.2	23.2	8.0	8.0	32.4	32.4	89.1	89.1	6.3	6.3	9.7	6.3	3	3	99	99	<0.2	<0.2	0.8	0.8		
						6.0	0.1	89	23.2	23.2	8.0	8.0	32.4	32.4	89.1	89.1	6.3	6.3	9.7	6.3	2	2	99	99	<0.2	<0.2	0.6	0.6		
					Bottom	11.0	0.1	78	23.2	23.2	8.0	8.0	32.4	32.4	89.7	89.8	6.4	6.4	5.4	6.4	4	4	102	102	<0.2	<0.2	0.6	0.6		
						11.0	0.1	79	23.2	23.2	8.0	8.0	32.4	32.4	89.8	89.8	6.4	6.4	5.6	6.4	5	5	102	102	<0.2	<0.2	0.7	0.7		
IM1	Cloudy	Moderate	15:02	7.3	Surface	1.0	0.1	123	22.0	22.0	8.0	8.0	32.2	32.2	95.4	95.4	6.9	6.9	14.9	6.9	15	15	97	97	818345	806486	<0.2	<0.2	0.6	0.6
						1.0	0.1	125	22.0	22.0	8.0	8.0	32.2	32.2	95.4	95.4	6.9	6.9	15.0	6.9	16	16	97	97	<0.2	<0.2	0.6	0.6		
					Middle	3.7	0.1	105	22.0	22.0	8.0	8.0	32.2	32.2	95.4	95.5	6.9	6.9	16.0	6.9	16	16	101	101	<0.2	<0.2	0.8	0.8		
						3.7	0.1	111	22.0	22.0	8.0	8.0	32.2	32.2	95.5	95.5	6.9	6.9	16.3	6.9	15	15	102	102	<0.2	<0.2	0.8	0.8		
					Bottom	6.3	0.1	89	22.0	22.0	8.0	8.0	32.2	32.2	96.2	96.3	7.0	7.0	21.6	7.0	15	15	103	103	<0.2	<0.2	0.8	0.8		
						6.3	0.1	97	22.0	22.0	8.0	8.0	32.2	32.2	96.4	96.3	7.0	7.0	21.3	7.0	16	16	104	104	<0.2	<0.2	0.7	0.7		
IM2	Cloudy	Moderate	14:56	8.2	Surface	1.0	0.1	290	21.9	21.9	8.0	8.0	32.2	32.2	95.1	95.1	6.9	6.9	18.0	6.9	16	16	98	98	818866	806214	<0.2	<0.2	0.7	0.7
						1.0	0.1	316	21.9	21.9	8.0	8.0	32.2	32.2	95.1	95.1	6.9	6.9	18.0	6.9	15	15	99	99	<0.2	<0.2	0.8	0.8		
					Middle	4.1	0.2	35	22.0	22.0	8.0	8.0	32.3	32.3	95.2	95.3	6.9	6.9	17.7	6.9	18	18	101	101	<0.2	<0.2	0.7	0.7		
						4.1	0.2	35	22.0	22.0	8.0	8.0	32.3	32.3	95.3	95.3	6.9	6.9	17.7	6.9	19	19	101	101	<0.2	<0.2	0.8	0.8		
					Bottom	7.2	0.3	44	22.1	22.1	8.0	8.0	32.3	32.3	96.0	96.1	7.0	7.0	17.2	7.0	17	17	103	103	<0.2	<0.2	0.9	0.9		
						7.2	0.3	48	22.1	22.1	8.0	8.0	32.3	32.3	96.2	96.1	7.0	7.0	16.8	7.0	18	18	104	104	<0.2	<0.2	0.9	0.9		
IM3	Cloudy	Moderate	14:49	8.3	Surface	1.0	0.2	41	22.0	22.0	8.0	8.0	32.3	32.3	95.3	95.4	6.9	6.9	15.4	6.9	16	16	97	97	819400	805992	<0.2	<0.2	0.8	0.8
						1.0	0.2	44	22.0	22.0	8.0	8.0	32.3	32.3	95.4	95.4	6.9	6.9	15.4	6.9	15	15	97	97	<0.2	<0.2	0.8	0.8		
					Middle	4.2	0.2	31	22.1	22.1	8.0	8.0	32.3	32.3	95.6	95.7	6.9	6.9	15.6	6.9	16	16	99	99	<0.2	<0.2	0.8	0.8		
						4.2	0.2	31	22.1	22.1	8.0	8.0	32.3	32.3	95.7	95.7	6.9	6.9	15.8	6.9	18	18	99	99	<0.2	<0.2	0.8	0.8		
					Bottom	7.3	0.1	0	22.0	22.0	8.0	8.0	32.3	32.3	96.1	96.3	7.0	7.0	18.4	7.0	18	18	101	101	<0.2	<0.2	0.8	0.8		
						7.3	0.1	0	22.0	22.0	8.0	8.0	32.3	32.3	96.4	96.4	7.0	7.0	18.4	7.0	17	17	101	101	<0.2	<0.2	0.9	0.9		
IM4	Cloudy	Rough	14:41	7.8	Surface	1.0	0.1	75	22.1	22.1	8.0	8.0	32.3	32.3	95.1	95.1	6.9	6.9	18.4	6.9	12	12	96	96	819597	805046	<0.2	<0.2	0.8	0.8
						1.0	0.1	81	22.1	22.1	8.0	8.0	32.3	32.3	95.1	95.1	6.9	6.9	18.4	6.9	11	11	96	96	<0.2	<0.2	0.8	0.8		
					Middle	3.9	0.2	54	22.0	22.0	8.0	8.0	32.3	32.3	94.6	94.6	6.9	6.9	21.9	6.9	16	16	98	98	<0.2	<0.2	0.8	0.8		
						3.9	0.2	59	22.0	22.0	8.0	8.0	32.3	32.3	94.6	94.6	6.9	6.9	21.8	6.9	17	17	99	99	<0.2	<0.2	1.0	1.0		
					Bottom	6.8	0.1	263	22.0	22.0	8.0	8.0	32.2	32.2	95.1	95.2	6.9	6.9	20.6	6.9	18	18	101	101	<0.2	<0.2	0.7	0.7		
						6.8	0.1	273	22.0	22.0	8.0	8.0	32.2	32.2	95.3	95.3	6.9	6.9	20.6	6.9	18	18	101	101	<0.2	<0.2	0.7	0.7		
IM5	Cloudy	Moderate	14:29	6.9	Surface	1.0	0.3	16	22.1	22.1	8.0	8.0	32.2	32.2	95.2	95.2	6.9	6.9	19.5	6.9	15	15	96	96	820555	804914	<0.2	<0.2	0.7	0.7
						1.0	0.3	16	22.1	22.1	8.0	8.0	32.2	32.2	95.2	95.2	6.9	6.9	19.5	6.9	17	17	96	96	<0.2	<0.2	0.7	0.7		
					Middle	3.5	0.2	12	22.1	22.1	8.0	8.0	32.2	32.2	94.9	95.0	6.9	6.9	21.4	6.9	16	16	98	98	<0.2	<0.2	0.8	0.8		
						3.5	0.2	12	22.1	22.1	8.0	8.0	32.2	32.2	95.0	95.0	6.9	6.9	21.5	6.9	15	15	99	99	<0.2	<0.2	0.8	0.8		
					Bottom	5.9	0.2	27	22.1	22.1	8.0	8.0	32.2	32.2	95.2	95.2	6.9	6.9	22.5	6.9	23	23	99	99	<0.2	<0.2	0.8	0.8		
						5.9	0.2	28	22.1	22.1	8.0	8.0	32.2	32.2	95.3	95.3	6.9	6.9	22.4	6.9	23	23	99	99	<0.2	<0.2	1.0	1.0		
IM6	Cloudy	Rough	14:20	6.6	Surface	1.0	0.2	15	22.0	22.0	8.0	8.0	31.5	31.5	96.2	96.2	7.0	7.0	11.0	7.0	10	10	95	95	821075	805856	<0.2	<0.2	1.2	1.2

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	14:47	7.2	Surface	1.0	0.1	52	22.3	8.1	8.1	31.3	31.3	95.9	95.9	7.0	7.0	16.2	7.0	18	18	96	96	822071	808791	<0.2	<0.2	1.3	1.3							
						1.0	0.1	55	22.3	8.1	8.1	31.3	31.3	95.9	95.9	7.0	7.0	15.7	7.0	18	18	95	95	<0.2	<0.2	1.2	1.2									
						3.6	0.1	71	22.3	8.1	8.1	31.4	31.4	95.9	95.9	7.0	7.0	14.3	7.0	20	20	97	97	<0.2	<0.2	1.3	1.3									
					Middle	3.6	0.1	71	22.3	8.1	8.1	31.3	31.4	95.9	95.9	7.0	7.0	14.5	7.0	21	21	97	97	<0.2	<0.2	1.2	1.2									
						6.2	0.1	66	22.2	8.1	8.1	31.5	31.5	97.6	97.6	7.1	7.1	12.9	7.1	21	21	98	98	<0.2	<0.2	1.0	1.0									
						6.2	0.1	69	22.2	8.1	8.1	31.5	31.5	97.8	97.7	7.1	7.1	13.1	7.1	19	19	99	99	<0.2	<0.2	1.3	1.3									
IM10	Fine	Moderate	14:55	7.6	Surface	1.0	0.1	44	22.7	8.1	8.1	31.6	31.6	93.0	93.0	6.7	6.7	8.2	6.7	11	11	95	95	822240	809837	<0.2	<0.2	1.3	1.3							
						1.0	0.1	47	22.7	8.1	8.1	31.6	31.6	93.0	93.0	6.7	6.7	8.2	6.7	10	10	96	96	<0.2	<0.2	1.0	1.0									
						3.8	0.2	30	22.7	8.1	8.1	31.6	31.6	93.1	93.1	6.7	6.7	8.5	6.7	10	10	98	98	<0.2	<0.2	1.1	1.1									
					Middle	3.8	0.2	32	22.7	8.1	8.1	31.6	31.6	93.2	93.2	6.7	6.7	8.5	6.7	11	11	97	97	<0.2	<0.2	1.1	1.1									
						6.6	0.0	325	22.6	8.1	8.1	31.6	31.6	93.4	93.4	6.7	6.7	9.8	6.7	11	11	99	99	<0.2	<0.2	0.9	0.9									
						6.6	0.0	347	22.6	8.1	8.1	31.6	31.6	93.4	93.4	6.7	6.7	10.1	6.7	11	11	100	100	<0.2	<0.2	1.2	1.2									
IM11	Fine	Moderate	15:06	8.1	Surface	1.0	0.1	293	22.9	8.0	8.0	31.7	31.7	92.0	92.0	6.6	6.6	7.1	6.6	14	14	97	97	821522	810560	<0.2	<0.2	1.1	1.1							
						1.0	0.1	296	22.9	8.0	8.0	31.7	31.7	92.0	92.0	6.6	6.6	7.0	6.6	13	13	96	96	<0.2	<0.2	1.2	1.2									
						4.1	0.1	320	22.9	8.0	8.0	31.7	31.7	92.0	92.0	6.6	6.6	7.1	6.6	13	13	98	98	<0.2	<0.2	0.9	0.9									
					Middle	4.1	0.1	320	22.9	8.0	8.0	31.7	31.7	92.0	92.0	6.6	6.6	7.1	6.6	12	12	99	99	<0.2	<0.2	0.8	0.8									
						7.1	0.0	35	22.8	8.0	8.0	31.7	31.7	92.2	92.2	6.6	6.6	9.2	6.6	13	13	101	101	<0.2	<0.2	0.8	0.8									
						7.1	0.0	37	22.8	8.0	8.0	31.7	31.7	92.2	92.2	6.6	6.6	10.0	6.6	15	15	100	100	<0.2	<0.2	1.0	1.0									
IM12	Fine	Moderate	15:13	8.6	Surface	1.0	0.1	171	22.7	8.0	8.0	31.6	31.6	91.5	91.4	6.6	6.6	6.8	6.6	11	11	96	96	821139	811493	<0.2	<0.2	0.9	0.9							
						1.0	0.1	181	22.7	8.0	8.0	31.6	31.6	91.3	91.3	6.6	6.6	6.8	6.6	11	11	96	96	<0.2	<0.2	1.0	1.0									
						4.3	0.2	215	22.9	8.0	8.0	31.7	31.7	90.2	90.2	6.5	6.5	8.0	6.5	11	11	98	98	<0.2	<0.2	1.2	1.2									
					Middle	4.3	0.2	215	22.9	8.0	8.0	31.7	31.7	90.2	90.2	6.5	6.5	8.0	6.5	11	11	98	98	<0.2	<0.2	1.2	1.2									
						7.6	0.1	201	23.0	8.0	8.0	31.9	31.8	91.5	91.7	6.5	6.5	10.2	6.6	13	13	102	102	<0.2	<0.2	1.0	1.0									
						7.6	0.1	202	23.0	8.0	8.0	31.8	31.8	91.8	91.7	6.6	6.6	10.1	6.6	15	15	101	101	<0.2	<0.2	1.0	1.0									
SR2	Fine	Moderate	15:37	4.5	Surface	1.0	0.1	342	23.1	8.0	8.0	32.0	32.0	90.9	90.9	6.5	6.5	6.2	6.5	10	10	97	97	821465	814166	<0.2	<0.2	1.0	1.0							
						1.0	0.1	359	23.1	8.0	8.0	32.0	32.0	90.8	90.8	6.5	6.5	6.3	6.5	11	11	97	97	<0.2	<0.2	1.2	1.2									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.5	0.1	352	23.2	8.0	8.0	32.1	32.1	90.9	91.2	6.5	6.5	7.1	6.5	11	11	99	99	<0.2	<0.2	0.8	0.8									
						3.5	0.1	324	23.2	8.0	8.0	32.1	32.1	91.5	91.2	6.5	6.5	7.2	6.5	11	11	99	99	<0.2	<0.2	1.0	1.0									
SR3	Fine	Moderate	14:35	8.7	Surface	1.0	0.2	76	22.3	8.1	8.1	31.4	31.4	95.5	95.5	6.9	6.9	11.8	6.9	11	11	-	-	822121	807559	-	-	-	-							
						1.0	0.2	77	22.3	8.1	8.1	31.4	31.4	95.5	95.5	6.9	6.9	11.7	6.9	13	13	-	-	-	-	-	-	-	-							
						4.4	0.1	53	22.2	8.1	8.1	31.4	31.4	95.0	95.0	6.9	6.9	10.8	6.9	13	13	-	-	-	-	-	-	-	-							
					Middle	4.4	0.1	56	22.2	8.1	8.1	31.4	31.4	95.0	95.0	6.9	6.9	11.1	6.9	14	14	-	-	-	-	-	-	-	-	-						
						7.7	0.1	21	22.2	8.1	8.1	31.4	31.4	95.1	95.2	6.9	6.9	12.7	6.9	14	14	-	-	-	-	-	-	-	-							
						7.7	0.1	21	22.2	8.1	8.1	31.4	31.4	95.3	95.2	6.9	6.9	12.5	6.9	13	13	-	-	-	-	-	-	-	-							
SR4A	Cloudy	Moderate	15:43	8.4	Surface	1.0	0.0	98	22.1	8.0	8.0	31.2	31.2	95.2	95.3	6.9	6.9	11.3	6.9	10	10	-	-	817217	807807	-	-	-	-							
						1.0	0.0	99	22.1	8.0	8.0	31.2	31.2	95.3	95.3	6.9	6.9	11.5	6.9	8	8	-	-	-	-	-	-									
						4.2	0.2	85	21.9	8.0	8.0	32.1	32.1	95.5	95.5	6.9	6.9	15.7	6.9	10	10	-	-	-	-	-	-									
					Middle	4.2	0.2	89	21.9	8.0	8.0	32.1	32.1	95.5	95.5	6.9	6.9	15.9	6.9	10	10	-	-	-	-	-	-	-	-							
						7.4	0.1	61	21.9	8.0	8.0	32.1	32.1	95.9	96.0	7.0	7.0	16.6	7.0	12	12	-	-	-	-	-	-	-								
						7.4	0.2	63	21.9	8.0	8.0	32.1	32.1	96.1	96.0	7.0	7.0	16.7	7.0	14	14	-	-	-	-	-	-	-								
SR5A	Cloudy	Calm	16:00	3.3	Surface	1.0	0.1	147	22.4	8.0	8.0	30.9	30.9	97.5	97.5	7.1	7.1	11.6	7.1	11	11	-	-	816599	810709	-	-	-	-							
						1.0	0.1	156	22.4	8.0	8.0	30.9	30.9	97.5	97.5	7.1	7.1	11.7	7.1	12	12	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						2.3	0.0	154	22.4	8.0	8.0	31.0	31.0	98.4	98.4	7.1	7.1	15.2	7.1	12	12	-	-	-	-	-	-	-								
						2.3	0.0	158	22.4	8.0	8.0	31.0	31.0	98.4	98.4	7.1	7.1	15.2	7.1	12	12	-	-	-	-	-	-	-								
SR6	Cloudy	Moderate	16:23	4.3	Surface	1.0	0.1	133	22.3	8.0	8.0	30.6	30.6	95.7	95.6	7.0	7.0	9.7	7.0	10	10	-	-	817915	814639	-	-	-	-							
						1.0	0.1	140	22.3	8.0	8.0	30.6	30.6	95.4	95.6	6.9	6.9	9.9	6.9	11	11	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						3.3	0.0	172	22.5	8.0	8.0	31.1	31.1	93.7	93.8	6.8	6.8	12.6	6.8	11	11	-	-	-	-	-	-	-								
						3.3	0.0	184	22.5	8.0	8.0	31.1																								

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	10:48	7.8	Surface	1.0	0.4	75	21.9	21.9	8.0	8.0	32.0	32.0	94.7	94.7	6.9	6.9	12.2	16.6	15	18	95	96	815617	804258	<0.2	<0.2	0.8	0.9
						1.0	0.4	75	21.9		8.0	8.0	32.0	32.0	94.7	94.7	6.9		12.2		16		95		<0.2	<0.2	0.9			
						3.9	0.3	51	21.9		8.0	8.0	32.0	32.0	94.3	94.3	6.9		17.2		14		96		<0.2	<0.2	1.0			
					3.9	0.3	52	21.9	8.0	8.0	32.0	32.0	94.3	94.3	6.9	17.3	16	96	<0.2	<0.2	0.9									
					6.8	0.4	33	21.7	8.0	8.0	32.1	32.1	94.1	94.1	6.9	20.4	24	96	<0.2	<0.2	0.8									
					6.8	0.4	33	21.7	8.0	8.0	32.1	32.1	94.3	94.2	6.9	20.4	22	97	<0.2	<0.2	0.9									
C2	Fine	Moderate	11:25	11.3	Surface	1.0	0.2	330	22.8	22.8	8.0	8.0	30.8	30.8	91.3	91.3	6.6	6.6	7.4	13.6	10	10	95	97	825703	806923	<0.2	<0.2	1.3	1.3
						1.0	0.2	342	22.8		8.0	8.0	30.8	30.8	91.3	91.3	6.6		7.7		9		94		<0.2	<0.2	1.4			
						5.7	0.3	343	22.8		8.0	8.0	30.9	30.9	91.0	91.0	6.6		9.2		9		97		<0.2	<0.2	1.2			
					5.7	0.3	346	22.8	8.0	8.0	30.9	30.9	91.0	91.0	6.6	10.1	9	97	<0.2	<0.2	1.2									
					10.3	0.3	340	22.8	8.0	8.0	30.9	30.9	92.1	92.1	6.6	24.3	12	99	<0.2	<0.2	1.3									
					10.3	0.4	349	22.8	8.0	8.0	30.9	30.9	92.5	92.3	6.7	22.8	11	98	<0.2	<0.2	1.3									
C3	Fine	Moderate	09:41	11.3	Surface	1.0	0.5	257	23.2	23.2	8.0	8.0	32.0	32.0	88.0	88.0	6.3	6.3	4.5	6.1	7	6	97	99	822112	817828	<0.2	<0.2	0.8	0.9
						1.0	0.5	257	23.2		8.0	8.0	32.0	32.0	88.0	88.0	6.3		4.6		5		96		<0.2	<0.2	0.8			
						5.7	0.4	261	23.2		8.0	8.0	32.0	32.0	87.8	87.8	6.2		5.8		5		99		<0.2	<0.2	0.7			
					5.7	0.4	286	23.2	8.0	8.0	32.0	32.0	87.8	87.8	6.2	6.2	7	99	<0.2	<0.2	0.9									
					10.3	0.3	266	23.3	8.0	8.0	32.0	32.0	89.0	89.2	6.3	7.8	7	101	<0.2	<0.2	0.9									
					10.3	0.3	277	23.3	8.0	8.0	32.0	32.0	89.4	89.2	6.3	7.6	6	102	<0.2	<0.2	1.0									
IM1	Cloudy	Rough	11:11	7.2	Surface	1.0	0.2	43	22.0	22.0	8.0	8.0	31.3	31.3	93.8	93.8	6.8	6.8	15.2	18.6	17	20	97	101	818376	806487	<0.2	<0.2	1.1	1.2
						1.0	0.2	46	22.0		8.0	8.0	31.3	31.3	93.7	93.8	6.8		15.4		17		97		<0.2	<0.2	1.1			
						3.6	0.2	9	22.0		8.0	8.0	31.3	31.3	93.5	93.5	6.8		19.0		20		100		<0.2	<0.2	1.3			
					3.6	0.3	9	22.0	8.0	8.0	31.3	31.3	93.5	93.5	6.8	18.9	20	101	<0.2	<0.2	1.2									
					6.2	0.3	2	22.0	8.0	8.0	31.3	31.3	94.2	94.2	6.9	21.7	22	104	<0.2	<0.2	1.4									
					6.2	0.3	2	22.0	8.0	8.0	31.3	31.3	94.4	94.3	6.9	21.6	24	104	<0.2	<0.2	1.2									
IM2	Cloudy	Rough	11:16	7.8	Surface	1.0	0.3	36	22.0	22.0	8.0	8.0	31.2	31.2	94.1	94.1	6.9	6.9	14.4	17.4	14	14	93	97	818843	806212	<0.2	<0.2	1.4	1.2
						1.0	0.3	38	22.0		8.0	8.0	31.2	31.2	94.1	94.1	6.9		14.3		13		93		<0.2	<0.2	1.2			
						3.9	0.3	22	22.0		8.0	8.0	31.2	31.2	93.9	93.9	6.9		18.7		12		102		<0.2	<0.2	1.1			
					3.9	0.3	22	22.0	8.0	8.0	31.2	31.2	93.9	93.9	6.9	18.6	14	102	<0.2	<0.2	1.0									
					6.8	0.3	43	22.0	8.0	8.0	31.2	31.2	94.2	94.4	6.9	19.2	16	97	<0.2	<0.2	1.2									
					6.8	0.3	44	22.0	8.0	8.0	31.2	31.2	94.5	94.5	6.9	19.2	15	97	<0.2	<0.2	1.1									
IM3	Cloudy	Rough	11:23	7.9	Surface	1.0	0.3	31	22.1	22.1	8.0	8.0	31.1	31.1	92.8	92.8	6.8	6.8	20.0	20.9	17	28	102	101	819400	806031	<0.2	<0.2	1.3	1.3
						1.0	0.3	32	22.1		8.0	8.0	31.1	31.1	92.8	92.8	6.8		20.1		19		102		<0.2	<0.2	1.1			
						4.0	0.3	14	22.0		8.0	8.0	31.1	31.1	92.6	92.6	6.8		19.5		29		99		<0.2	<0.2	1.2			
					4.0	0.3	14	22.0	8.0	8.0	31.1	31.1	92.6	92.6	6.8	19.4	30	99	<0.2	<0.2	1.5									
					6.9	0.3	28	22.0	8.0	8.0	31.2	31.2	92.9	93.0	6.8	23.1	38	101	<0.2	<0.2	1.3									
					6.9	0.4	29	22.0	8.0	8.0	31.2	31.2	93.1	93.0	6.8	23.1	36	102	<0.2	<0.2	1.4									
IM4	Cloudy	Rough	11:33	7.3	Surface	1.0	0.4	20	21.9	21.9	8.0	8.0	31.3	31.3	95.1	95.1	7.0	7.0	10.4	12.8	10	11	101	104	819569	805030	<0.2	<0.2	1.3	1.3
						1.0	0.4	20	21.9		8.0	8.0	31.3	31.3	95.1	95.1	7.0		10.5		10		101		<0.2	<0.2	1.2			
						3.7	0.3	36	21.9		8.0	8.0	31.3	31.3	95.0	95.0	6.9		11.6		9		106		<0.2	<0.2	1.4			
					3.7	0.3	36	21.9	8.0	8.0	31.3	31.3	95.0	95.0	6.9	11.6	10	106	<0.2	<0.2	1.2									
					6.3	0.3	27	21.9	8.0	8.0	31.4	31.4	95.3	95.4	7.0	16.3	12	104	<0.2	<0.2	1.4									
					6.3	0.3	29	21.9	8.0	8.0	31.4	31.4	95.5	95.4	7.0	16.4	13	104	<0.2	<0.2	1.3									
IM5	Cloudy	Rough	11:44	6.5	Surface	1.0	0.3	4	22.1	22.1	8.0	8.0	31.2	31.2	93.6	93.6	6.8	6.8	14.2	18.0	16	16	98	100	820556	804912	<0.2	<0.2	1.4	1.2
						1.0	0.4	4	22.2		8.0	8.0	31.2	31.2	93.6	93.6	6.8		14.2		15		98		<0.2	<0.2	1.1			
						3.3	0.3	8	22.1		8.0	8.0	31.3	31.3	93.5	93.6	6.8		18.4		16		98		<0.2	<0.2	1.2			
					3.3	0.4	8	22.1	8.0	8.0	31.3	31.3	93.6	93.6	6.8	18.4	16	98	<0.2	<0.2	1.2									
					5.5	0.4	18	22.1	8.0	8.0	31.3	31.3	94.3	94.3	6.9	21.4	18	103	<0.2	<0.2	1.2									
					5.5	0.4	19	22.1	8.0	8.0	31.3	31.3	94.5	94.4	6.9	21.1	16	104	<0.2	<0.2	1.1									
IM6	Cloudy	Moderate	11:52	6.6	Surface	1.0	0.2	46	22.6	22.6	8.0	8.0	31.1	31.1	91.8	91.9	6.6	6.7	9.7	12.7	13	13	96	99	821034	805856	<0.2	<0.2	1.2	1.2
						1.0	0.2	46	22.6		8.0	8.0	31.1	31.1	91.9	91.9	6.6		10.0		13		96		<0.2	<0.2	1.1			
						3.3	0.3	44	22.4		8.0	8.0	31.3	31.3	92.5	92.6	6.7		12.9		12		99		<0.2	<0.2	1.2			
					3.3	0.3	45	22.4	8.0	8.0	31.3	31.3	92.6	92.6	6.7	13.0	14	99	<0.2	<0.2	1.2									
					5.6	0.3	11	22.2	8.0	8.0	31.4	31.4	93.1	93.2	6.8	15.4	15	101	<0.2	<0.2	1.2									
					5.6	0.3	11	22.2	8.0	8.0	31.4	31.4	93.3	93.2	6.8	15.3	13	102	<0.2	<0.2	1.2									
IM7	Cloudy	Moderate	12:00	8.1	Surface	1.0	0.1	83	22.6	22.6	8.0	8.0	31.2	31.2	92.2	92.2	6.7	6.7	10.1	15.5	9	17	101	102	821350	806848	<0.2	<0.2	2.3	2.9
						1.0	0.1	84	22.6		8.0	8.0	31.2	31.2	92.2	92.2	6.7		10.3		10		101		<0.2	<0.2	2.2			
						4.1	0.2	29	22.3		8.0	8.0	31.5	31.5	92.7	92.7	6.7		13.9		19		104		<0.2	<0.2	3.1			
					4.1	0.3	30	22.3	8.0	8.0	31.5	31.5	92.7	92.7	6.7	14.0	19	105	<0.2	<0.2	2.9									
					7.1	0.2	32	22.1	8.0	8.0	31.6	31.6	94.6	94.9	6.9	22.3	22	99	<0.2	<0.2	3.4									
					7.1	0.2	34	22.2	8.0	8.0	31.6	31.6</																		

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	10:53	6.7	Surface	1.0	0.2	329	22.3	8.0	8.0	31.2	31.2	94.1	94.1	6.8	6.8	23.8	6.8	34	96	97	822101	808838	<0.2	1.5	<0.2	1.4							
						1.0	0.2	354	22.3	8.0	8.0	31.2	31.2	94.1	94.1	6.8	6.8	23.7	6.8	32	95	97	<0.2	1.4	<0.2	1.4									
					Middle	3.4	0.2	329	22.4	22.4	8.0	8.0	31.2	31.2	94.1	94.2	6.8	6.8	20.0	6.8	34	97	97	<0.2	1.4	<0.2	1.4								
						3.4	0.2	333	22.4	22.4	8.0	8.0	31.2	31.2	94.2	94.2	6.8	6.8	19.8	6.8	32	97	97	<0.2	1.4	<0.2	1.4								
					Bottom	5.7	0.2	348	22.2	22.2	8.0	8.0	31.2	31.2	94.6	94.6	6.9	6.9	22.8	6.9	36	99	97	<0.2	1.8	<0.2	1.4	<0.2	1.8						
						5.7	0.2	348	22.2	22.2	8.0	8.0	31.2	31.2	94.6	94.6	6.9	6.9	22.8	6.9	37	98	97	<0.2	1.8	<0.2	1.8								
IM10	Fine	Moderate	10:45	7.1	Surface	1.0	0.5	308	22.3	8.0	8.0	31.4	31.4	93.5	93.5	6.8	6.8	16.2	6.8	20	96	99	822229	809847	<0.2	1.4	<0.2	1.5							
						1.0	0.5	315	22.3	22.3	8.0	8.0	31.4	31.4	93.5	93.5	6.8	6.8	16.5	6.8	18	95	99	<0.2	1.2	<0.2	1.5								
					Middle	3.6	0.5	310	22.3	22.3	8.0	8.0	31.4	31.4	93.7	93.8	6.8	6.8	19.2	6.8	20	98	99	<0.2	1.2	<0.2	1.2								
						3.6	0.6	321	22.3	22.3	8.0	8.0	31.4	31.4	93.8	93.8	6.8	6.8	19.2	6.8	22	99	99	<0.2	1.3	<0.2	1.3								
					Bottom	6.1	0.4	312	22.3	22.3	8.0	8.0	31.4	31.4	94.5	94.5	6.9	6.9	26.8	6.9	24	102	101	<0.2	1.4	<0.2	1.4	<0.2	1.3						
						6.1	0.4	335	22.3	22.3	8.0	8.0	31.4	31.4	94.8	94.7	6.9	6.9	26.1	6.9	26	101	101	<0.2	1.3	<0.2	1.3								
IM11	Fine	Moderate	10:34	7.5	Surface	1.0	0.5	291	22.4	22.4	8.0	8.0	31.4	31.4	93.0	93.0	6.7	6.7	13.9	6.7	17	97	98	821495	810526	<0.2	1.2	<0.2	1.1						
						1.0	0.6	293	22.4	22.4	8.0	8.0	31.4	31.4	93.0	93.0	6.7	6.7	14.1	6.7	17	96	98	<0.2	1.1	<0.2	1.1								
					Middle	3.8	0.4	300	22.3	22.3	8.0	8.0	31.5	31.5	93.1	93.1	6.7	6.7	16.5	6.7	15	98	98	<0.2	1.1	<0.2	1.1								
						3.8	0.4	322	22.3	22.3	8.0	8.0	31.5	31.5	93.1	93.1	6.7	6.7	16.7	6.7	15	98	98	<0.2	1.1	<0.2	1.1								
					Bottom	6.5	0.3	295	22.3	22.3	8.0	8.0	31.5	31.5	93.6	93.6	6.8	6.8	17.6	6.8	20	100	100	<0.2	1.8	<0.2	1.8								
						6.5	0.4	302	22.3	22.3	8.0	8.0	31.5	31.5	93.8	93.7	6.8	6.8	17.5	6.8	22	100	100	<0.2	1.6	<0.2	1.6								
IM12	Fine	Moderate	10:27	8.1	Surface	1.0	0.6	273	22.4	22.4	8.0	8.0	31.4	31.4	92.6	92.6	6.7	6.7	13.5	6.7	12	97	99	821169	811502	<0.2	1.6	<0.2	1.5						
						1.0	0.6	283	22.4	22.4	8.0	8.0	31.4	31.4	92.6	92.6	6.7	6.7	13.7	6.7	14	97	99	<0.2	1.5	<0.2	1.5								
					Middle	4.1	0.5	271	22.4	22.4	8.0	8.0	31.5	31.5	92.3	92.4	6.7	6.7	18.6	6.7	17	98	99	<0.2	1.4	<0.2	1.4								
						4.1	0.5	293	22.4	22.4	8.0	8.0	31.5	31.5	92.4	92.4	6.7	6.7	18.5	6.7	18	98	99	<0.2	1.5	<0.2	1.5								
					Bottom	7.1	0.4	279	22.4	22.4	8.0	8.0	31.5	31.5	94.2	94.3	6.8	6.8	23.8	6.8	21	101	101	<0.2	1.2	<0.2	1.2								
						7.1	0.4	292	22.4	22.4	8.0	8.0	31.5	31.5	94.4	94.3	6.8	6.8	23.7	6.8	23	101	101	<0.2	1.2	<0.2	1.2								
SR2	Fine	Moderate	10:02	4.0	Surface	1.0	0.3	301	22.4	22.4	8.1	8.1	31.8	31.8	92.9	92.9	6.7	6.7	13.8	6.7	17	97	98	821476	814172	<0.2	1.1	<0.2	1.0						
						1.0	0.3	319	22.4	22.4	8.1	8.1	31.8	31.8	92.9	92.9	6.7	6.7	14.4	6.7	17	96	99	<0.2	1.0	<0.2	1.0								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.0	0.2	308	22.4	22.4	8.1	8.1	31.8	31.8	93.6	93.7	6.8	6.8	18.8	6.8	19	99	100	<0.2	1.5	<0.2	1.5								
						3.0	0.3	324	22.4	22.4	8.1	8.1	31.8	31.8	93.8	93.7	6.8	6.8	19.1	6.8	19	100	100	<0.2	1.4	<0.2	1.4								
SR3	Fine	Moderate	11:06	8.3	Surface	1.0	0.2	46	22.8	22.8	8.0	8.0	31.0	31.0	91.9	91.9	6.6	6.6	8.5	6.6	14	-	-	822155	807559	-	-	-	-						
						1.0	0.2	47	22.8	22.8	8.0	8.0	31.0	31.0	91.9	91.9	6.6	6.6	8.4	6.6	13	-	-	-	-	-	-	-							
					Middle	4.2	0.3	8	22.7	22.7	8.1	8.1	31.2	31.2	91.4	91.5	6.6	6.6	20.1	6.6	16	-	-	-	-	-	-	-	-						
						4.2	0.3	8	22.7	22.7	8.1	8.1	31.2	31.2	91.5	91.5	6.6	6.6	21.0	6.6	17	-	-	-	-	-	-	-							
					Bottom	7.3	0.2	11	22.7	22.7	8.0	8.0	31.2	31.2	91.8	91.9	6.6	6.6	24.5	6.6	16	-	-	-	-	-	-	-	-						
						7.3	0.2	11	22.7	22.7	8.0	8.0	31.2	31.2	91.9	91.9	6.6	6.6	24.4	6.6	15	-	-	-	-	-	-	-	-						
SR4A	Cloudy	Moderate	10:26	8.7	Surface	1.0	0.2	239	22.1	22.1	7.9	7.9	31.1	31.1	90.7	90.7	6.6	6.6	12.9	6.6	18	-	-	817178	807799	-	-	-	-						
						1.0	0.2	256	22.1	22.1	7.9	7.9	31.1	31.1	90.6	90.6	6.6	6.6	12.9	6.6	18	-	-	-	-	-	-								
					Middle	4.4	0.1	245	22.0	22.0	7.9	7.9	31.2	31.2	91.0	91.0	6.6	6.6	14.4	6.6	18	-	-	-	-	-	-	-							
						4.4	0.1	255	22.0	22.0	7.9	7.9	31.2	31.2	91.0	91.0	6.7	6.7	14.0	6.7	18	-	-	-	-	-	-								
					Bottom	7.7	0.1	269	21.9	21.9	7.9	7.9	31.2	31.2	91.8	92.0	6.7	6.7	14.0	6.7	17	-	-	-	-	-	-	-							
						7.7	0.1	290	21.9	21.9	7.9	7.9	31.2	31.2	92.1	92.1	6.7	6.7	14.2	6.7	17	-	-	-	-	-	-	-							
SR5A	Cloudy	Moderate	10:10	3.0	Surface	1.0	0.2	291	22.0	22.0	7.9	7.9	30.8	30.8	90.9	90.9	6.6	6.6	11.8	6.6	14	-	-	816587	810703	-	-	-	-						
						1.0	0.2	293	22.0	22.0	7.9	7.9	30.8	30.8	90.9	90.9	6.7	6.7	11.8	6.7	15	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	2.0	0.1	285	22.0	22.0	7.9	7.9	30.8	30.8	91.4	91.5	6.7	6.7	13.3	6.7	25	-	-	-	-	-	-								
						2.0	0.1	310	22.0	22.0	7.9	7.9	30.8	30.8	91.6	91.5	6.7	6.7	13.4	6.7	23	-	-	-	-	-	-								
SR6	Cloudy	Moderate	09:47	4.1	Surface	1.0	0.1	261	22.0	22.0	7.8	7.8	29.3	29.3	91.7	91.7	6.8	6.8	19.7	6.8	23	-	-	817902	814664	-	-	-	-						
						1.0	0.1	261	22.0	22.0	7.8	7.8	29.3	29.3	91.7	91.7	6.8	6.8	19.7	6.8	22	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.1	0.0	236	22.0	22.0	7.8	7.8	28.8	28.4	93.1	94.3	6.9	7.0	21.7	6.9	23	-													

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 November 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	04:20	8.9	Surface	1.0	0.3	221	21.8	7.9	7.9	33.8	33.8	95.5	95.5	6.9	6.9	5.2	5.2	7	7	70	70	815640	804227	<0.2	<0.2	0.8	0.7	
						1.0	0.4	238	21.8	7.9	7.9	33.8	33.8	95.5	95.5	6.9	6.9	5.2	5.2	6	6	70	70	<0.2	<0.2	0.8	0.7			
					Middle	4.5	0.3	213	21.8	7.8	7.8	33.8	33.8	95.6	95.6	6.9	6.9	5.7	5.7	6	6	71	71	70	70	<0.2	<0.2	0.6	0.6	
						4.5	0.3	230	21.8	7.8	7.8	33.8	33.8	95.6	95.6	6.9	6.9	5.7	5.7	6	6	71	71	73	73	<0.2	<0.2	0.6	0.6	
					Bottom	7.9	0.2	217	21.9	7.8	7.8	33.8	33.8	96.2	96.2	6.9	6.9	5.7	5.7	7	7	74	74	74	74	<0.2	<0.2	0.6	0.6	
						7.9	0.3	219	21.9	7.8	7.8	33.8	33.8	96.2	96.2	6.9	6.9	5.7	5.7	7	7	74	74	74	74	<0.2	<0.2	0.6	0.6	
C2	Cloudy	Moderate	05:21	11.3	Surface	1.0	0.6	164	20.2	8.1	8.1	32.3	32.3	96.0	95.9	7.2	7.2	8.2	8.2	7	7	72	72	825683	806966	<0.2	<0.2	0.9	0.9	
						1.0	0.6	168	20.1	8.1	8.1	32.3	32.3	95.7	95.7	7.2	7.2	9.2	9.2	8	8	72	72	<0.2	<0.2	1.0	1.0			
					Middle	5.7	0.5	165	20.2	8.1	8.1	32.1	32.0	95.6	95.7	7.2	7.2	6.4	6.4	8	8	73	73	73	73	<0.2	<0.2	0.9	0.9	
						5.7	0.5	170	20.2	8.1	8.1	32.0	32.0	95.7	95.7	7.2	7.2	6.4	6.4	9	9	73	73	<0.2	<0.2	0.8	0.8			
					Bottom	10.3	0.4	169	20.3	8.1	8.1	32.0	32.0	96.1	96.1	7.2	7.2	5.4	5.4	8	8	74	74	74	74	<0.2	<0.2	0.8	0.8	
						10.3	0.4	169	20.3	8.1	8.1	32.0	32.0	96.1	96.1	7.2	7.2	5.4	5.4	7	7	75	75	<0.2	<0.2	0.8	0.8			
C3	Cloudy	Moderate	03:23	12.2	Surface	1.0	0.1	118	22.1	8.0	8.0	32.7	32.7	94.3	94.4	6.8	6.8	4.4	4.4	3	3	73	73	822130	817798	<0.2	<0.2	0.7	0.6	
						1.0	0.2	125	22.1	8.0	8.0	32.7	32.7	94.5	94.4	6.8	6.8	4.4	4.4	3	3	73	73	<0.2	<0.2	0.5	0.5			
					Middle	6.1	0.2	80	22.1	8.0	8.0	32.7	32.7	94.9	95.0	6.9	6.9	5.8	5.8	3	3	75	75	75	75	<0.2	<0.2	0.6	0.6	
						6.1	0.2	85	22.1	8.0	8.0	32.7	32.7	95.0	95.0	6.9	6.9	5.8	5.8	4	4	75	75	<0.2	<0.2	0.6	0.6			
					Bottom	11.2	0.2	82	22.0	8.0	8.0	32.7	32.7	96.2	96.5	7.0	7.0	6.2	6.2	4	4	78	78	78	78	<0.2	<0.2	0.6	0.6	
						11.2	0.2	89	22.0	8.0	8.0	32.7	32.7	96.7	96.5	7.0	7.0	6.2	6.2	4	4	77	77	<0.2	<0.2	0.6	0.6			
IM1	Fine	Moderate	04:40	7.5	Surface	1.0	0.2	174	21.8	7.9	7.9	33.8	33.8	94.8	94.8	6.8	6.8	5.0	5.0	7	7	70	70	818335	806431	<0.2	<0.2	1.6	1.2	
						1.0	0.3	188	21.8	7.9	7.9	33.8	33.8	94.8	94.8	6.8	6.8	5.0	5.0	5	5	70	70	<0.2	<0.2	1.3	1.3			
					Middle	3.8	0.2	174	21.9	7.9	7.9	33.8	33.8	95.0	95.0	6.9	6.9	6.4	6.4	7	7	71	71	71	71	<0.2	<0.2	1.4	1.4	
						3.8	0.3	181	21.9	7.9	7.9	33.8	33.8	95.0	95.0	6.9	6.9	6.4	6.4	6	6	71	71	<0.2	<0.2	1.6	1.6			
					Bottom	6.5	0.2	173	21.9	7.8	7.8	33.8	33.8	96.1	96.1	6.9	6.9	6.8	6.8	9	9	73	73	73	73	<0.2	<0.2	0.6	0.6	
						6.5	0.2	188	21.9	7.8	7.8	33.8	33.8	96.1	96.1	6.9	6.9	6.9	6.9	10	10	74	74	<0.2	<0.2	0.6	0.6			
IM2	Fine	Moderate	04:47	8.4	Surface	1.0	0.2	170	21.7	7.9	7.9	32.7	32.7	94.8	94.9	6.9	6.9	6.8	6.8	7	7	69	69	818869	806201	<0.2	<0.2	0.5	0.6	
						1.0	0.2	172	21.7	7.9	7.9	32.7	32.7	94.9	94.9	6.9	6.9	6.9	6.9	8	8	70	70	<0.2	<0.2	0.5	0.5			
					Middle	4.2	0.2	186	21.7	7.9	7.9	32.9	32.9	94.9	94.9	6.9	6.9	7.3	7.3	6	6	71	71	71	71	<0.2	<0.2	0.6	0.6	
						4.2	0.3	192	21.7	7.9	7.9	32.9	32.9	94.9	94.9	6.9	6.9	7.2	7.2	7	7	71	71	<0.2	<0.2	0.5	0.5			
					Bottom	7.4	0.2	185	21.7	7.9	7.9	33.6	33.6	95.4	95.5	6.9	6.9	7.5	7.5	9	9	73	73	73	73	<0.2	<0.2	0.7	0.7	
						7.4	0.2	193	21.7	7.9	7.9	33.6	33.6	95.6	95.5	6.9	6.9	7.5	7.5	10	10	73	73	<0.2	<0.2	0.5	0.5			
IM3	Fine	Moderate	04:54	8.5	Surface	1.0	0.4	212	21.6	7.9	7.9	33.2	33.3	95.2	95.2	6.9	6.9	14.9	14.9	12	12	70	70	819417	806003	<0.2	<0.2	0.6	0.7	
						1.0	0.4	218	21.6	7.9	7.9	33.3	33.3	95.2	95.2	6.9	6.9	14.9	14.9	12	12	70	70	<0.2	<0.2	0.9	0.9			
					Middle	4.3	0.4	209	21.6	7.9	7.9	33.5	33.5	95.0	95.0	6.9	6.9	17.8	17.8	14	14	71	71	71	71	<0.2	<0.2	0.7	0.6	
						4.3	0.4	219	21.6	7.9	7.9	33.5	33.5	95.0	95.0	6.9	6.9	17.9	17.9	14	14	72	72	<0.2	<0.2	0.6	0.6			
					Bottom	7.5	0.3	210	21.6	7.9	7.9	32.8	32.8	95.7	95.8	7.0	7.0	30.9	30.9	15	15	74	74	74	74	<0.2	<0.2	0.7	0.7	
						7.5	0.3	224	21.6	7.9	7.9	32.8	32.8	95.8	95.8	7.0	7.0	30.9	30.9	14	14	74	74	<0.2	<0.2	0.6	0.6			
IM4	Fine	Moderate	05:01	7.8	Surface	1.0	0.3	183	21.6	7.9	7.9	32.4	32.4	95.2	95.2	7.0	7.0	9.9	9.9	8	8	70	70	819589	805058	<0.2	<0.2	0.7	0.7	
						1.0	0.3	197	21.6	7.9	7.9	32.4	32.4	95.1	95.1	7.0	7.0	9.3	9.3	7	7	70	70	<0.2	<0.2	0.7	0.7			
					Middle	3.9	0.3	173	21.6	7.9	7.9	32.5	32.5	95.3	95.3	7.0	7.0	11.5	11.5	8	8	72	72	72	72	<0.2	<0.2	0.8	0.8	
						3.9	0.3	184	21.6	7.9	7.9	32.5	32.5	95.3	95.3	7.0	7.0	11.6	11.6	8	8	72	72	<0.2	<0.2	0.8	0.8			
					Bottom	6.8	0.3	182	21.6	7.9	7.9	32.8	32.8	96.0	96.1	7.0	7.0	14.1	14.1	10	10	73	73	73	73	<0.2	<0.2	0.7	0.7	
						6.8	0.3	184	21.6	7.9	7.9	32.8	32.8	96.1	96.1	7.0	7.0	13.9	13.9	9	9	74	74	<0.2	<0.2	0.7	0.7			
IM5	Fine	Moderate	05:13	6.8	Surface	1.0	0.4	191	21.5	7.9	7.9	32.3	32.3	95.3	95.3	7.0	7.0	8.9	8.9	9	9	70	70	820575	804952	<0.2	<0.2	0.5	0.5	
						1.0	0.4	196	21.5	7.9	7.9	32.3	32.3	95.3	95.3	7.0	7.0	8.9	8.9	8	8	70	70	<0.2	<0.2	0.5	0.5			
					Middle	3.4	0.4	186	21.5	7.9	7.9	32.4	32.4	95.3	95.3	7.0	7.0	9.7	9.7	8	8	72	72	72	72	<0.2	<0.2	0.4	0.4	
						3.4	0.4	203	21.5	7.9	7.9	32.4	32.4	95.3	95.3	7.0	7.0	9.7	9.7	7	7	72	72	<0.2	<0.2	0.4	0.4			
					Bottom	5.8	0.3	193	21.5	7.9	7.9	33.0	33.0	96.7	96.7	7.0	7.0	9.1	9.1	9	9	74	74	74	74	<0.2	<0.2	0.5	0.5	
						5.8	0.3	195	21.5	7.9	7.9	33.0	33.0	96.7	96.7	7.0	7.0	9.1	9.1	11	11	73	73	<0.2	<0.2	0.5	0.5			
IM6	Fine	Moderate	05:21	6.8	Surface	1.0	0.3	194	21.5	7.9	7.9	32.3	32.3	95.5	95.5	7.0	7.0	9.3	9.3	11	11	70	70	821054	805803	<0.2	<0.2	0.5	0.5	
						1.0	0.3	205	21.5	7.9	7.9	32.3	32.3	95.5	95.5	7.0	7.0	9.4	9.4	9	9	70	70	<0.2	<0.2	0.5	0.5			
					Middle	3.4																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 November 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	04:44	7.4	Surface	1.0	0.3	131	20.8	20.8	8.1	8.1	32.5	32.5	97.2	97.3	7.2	7.2	6.8	7.2	8	72	74	822110	808831	<0.2	0.6	0.6				
						1.0	0.3	143	20.8	20.8	8.1	8.1	32.5	32.5	97.3	97.3	7.2	7.2	6.8	7.2	9	73	74									
					Middle	3.7	0.3	112	20.6	20.6	8.1	8.1	32.6	32.6	97.6	97.6	7.2	7.2	7.5	7.5	9	74	74									
						3.7	0.3	113	20.6	20.6	8.1	8.1	32.6	32.6	97.6	97.6	7.3	7.3	7.5	7.5	10	74	74									
					Bottom	6.4	0.2	78	20.5	20.5	8.1	8.1	32.4	32.4	97.8	97.8	7.3	7.3	11.0	11.0	10	75	75									
						6.4	0.2	84	20.5	20.5	8.1	8.1	32.4	32.4	98.0	97.9	7.3	7.3	11.9	11.9	10	75	75									
IM10	Cloudy	Moderate	04:35	7.4	Surface	1.0	0.4	95	20.8	20.8	8.1	8.1	32.5	32.5	97.5	97.5	7.2	7.2	14.8	7.2	9	73	74	822260	809857	<0.2	0.6	0.7				
						1.0	0.5	96	20.8	20.8	8.1	8.1	32.5	32.5	97.5	97.5	7.2	7.2	15.1	7.2	9	73	74									
					Middle	3.7	0.4	93	20.8	20.8	8.1	8.1	32.5	32.5	97.5	97.6	7.2	7.2	17.2	7.2	9	74	74									
						3.7	0.4	95	20.8	20.8	8.1	8.1	32.5	32.5	97.6	97.6	7.2	7.2	18.1	7.2	9	74	74									
					Bottom	6.4	0.3	84	20.6	20.6	8.1	8.1	32.6	32.6	97.6	97.6	7.2	7.2	9.8	9.8	14	76	76									
						6.4	0.4	84	20.6	20.6	8.1	8.1	32.6	32.6	97.8	97.7	7.3	7.3	10.0	10.0	14	75	75									
IM11	Cloudy	Moderate	04:24	8.4	Surface	1.0	0.3	114	21.0	21.0	8.1	8.1	32.2	32.2	97.4	97.4	7.2	7.2	8.5	7.2	9	73	74	821517	810531	<0.2	0.7	0.7				
						1.0	0.3	123	21.0	21.0	8.1	8.1	32.2	32.2	97.4	97.4	7.2	7.2	9.0	7.2	7	73	74									
					Middle	4.2	0.3	97	21.1	21.1	8.1	8.1	32.2	32.2	98.2	98.2	7.2	7.2	13.9	7.2	9	74	74									
						4.2	0.3	100	21.0	21.1	8.1	8.1	32.3	32.2	98.2	98.2	7.3	7.3	13.6	7.3	8	74	74									
					Bottom	7.4	0.2	88	20.7	20.7	8.1	8.1	32.2	32.2	98.5	98.5	7.3	7.3	15.8	7.3	9	75	75									
						7.4	0.3	95	20.7	20.7	8.1	8.1	32.2	32.2	98.5	98.5	7.3	7.3	15.8	7.3	9	75	75									
IM12	Cloudy	Moderate	04:15	7.9	Surface	1.0	0.3	105	21.3	21.3	8.1	8.1	32.0	32.0	96.0	96.1	7.1	7.1	9.4	7.1	6	73	74	821190	811541	<0.2	0.7	0.7				
						1.0	0.3	106	21.3	21.3	8.1	8.1	32.0	32.0	96.1	96.1	7.1	7.1	9.4	7.1	7	73	74									
					Middle	4.0	0.3	99	21.5	21.5	8.1	8.1	32.1	32.1	96.5	96.6	7.1	7.1	7.3	7.1	9	74	74									
						4.0	0.3	99	21.5	21.5	8.1	8.1	32.1	32.1	96.7	96.6	7.1	7.1	7.7	7.1	10	74	74									
					Bottom	6.9	0.3	96	21.2	21.2	8.1	8.1	32.1	32.1	96.5	96.6	7.1	7.1	14.3	7.1	13	75	75									
						6.9	0.3	100	21.2	21.2	8.1	8.1	32.1	32.1	96.6	96.6	7.1	7.1	14.3	7.1	14	75	75									
SR2	Cloudy	Moderate	03:48	3.8	Surface	1.0	0.2	105	22.0	22.0	8.0	8.0	32.5	32.5	96.2	96.3	7.0	7.0	7.8	7.0	4	74	74	821478	814167	<0.2	0.6	0.7				
						1.0	0.2	112	22.0	22.0	8.0	8.0	32.5	32.5	96.4	96.3	7.0	7.0	7.8	7.0	4	73	73									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	2.8	0.2	105	22.0	22.0	8.0	8.0	32.5	32.5	95.5	95.6	6.9	6.9	6.8	6.9	6.8	6.8	10	75	75							
						2.8	0.2	105	22.0	22.0	8.0	8.0	32.5	32.5	95.7	95.6	6.9	6.9	6.8	6.9	6.8	6.8	11	75	75							
SR3	Cloudy	Moderate	04:58	8.1	Surface	1.0	0.2	181	20.6	20.6	8.1	8.1	32.5	32.5	97.3	97.3	7.2	7.2	6.3	7.2	6	-	-	822151	807550	-	-	-				
						1.0	0.2	184	20.5	20.5	8.1	8.1	32.5	32.5	97.3	97.3	7.2	7.2	6.2	7.2	7	-	-									
					Middle	4.1	0.2	178	20.4	20.4	8.1	8.1	32.6	32.6	97.4	97.4	7.3	7.3	10.1	7.3	6	-	-									
						4.1	0.2	188	20.4	20.4	8.1	8.1	32.6	32.6	97.3	97.3	7.2	7.2	10.2	7.2	8	-	-									
					Bottom	7.1	0.1	167	20.7	20.7	8.1	8.1	32.5	32.5	97.4	97.5	7.2	7.2	14.7	7.2	8	-	-									
						7.1	0.1	175	20.7	20.7	8.1	8.1	32.5	32.5	97.5	97.5	7.2	7.2	14.9	7.2	10	-	-									
SR4A	Fine	Calm	04:00	9.2	Surface	1.0	0.1	70	21.2	21.2	7.8	7.8	33.2	33.2	94.0	94.0	6.9	6.9	6.5	6.9	6	-	-	817215	807803	-	-	-				
						1.0	0.1	76	21.2	21.2	7.8	7.8	33.2	33.2	94.0	94.0	6.9	6.9	6.5	6.9	7	-	-									
					Middle	4.6	0.1	70	21.5	21.5	7.8	7.8	33.6	33.6	94.7	94.7	6.9	6.9	7.1	6.9	5	-	-									
						4.6	0.1	70	21.5	21.5	7.8	7.8	33.6	33.6	94.7	94.7	6.9	6.9	7.1	6.9	6	-	-									
					Bottom	8.2	0.1	68	21.6	21.6	7.8	7.8	33.7	33.7	95.1	95.1	6.9	6.9	8.1	6.9	6	-	-									
						8.2	0.1	74	21.6	21.6	7.8	7.8	33.7	33.7	95.1	95.1	6.9	6.9	8.1	6.9	5	-	-									
SR5A	Fine	Calm	03:44	3.7	Surface	1.0	0.0	258	21.6	21.6	7.7	7.7	32.0	32.0	92.4	92.4	6.8	6.8	5.8	6.8	5	-	-	816596	810714	-	-	-				
						1.0	0.0	271	21.6	21.6	7.7	7.7	32.0	32.0	92.4	92.4	6.8	6.8	5.8	6.8	5	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	2.7	0.0	136	21.6	21.6	7.7	7.7	32.1	32.1	94.0	94.0	6.9	6.9	15.8	6.9	5	-	-									
						2.7	0.0	144	21.6	21.6	7.7	7.7	32.1	32.1	94.0	94.0	6.9	6.9	15.8	6.9	4	-	-									
SR6	Fine	Calm	03:19	5.1	Surface	1.0	0.1	51	21.6	21.6	7.7	7.7	31.8	31.8	90.2	90.3	6.6	6.6	4.2	6.6	6	-	-	817902	814656	-	-	-				
						1.0	0.1	52	21.6	21.6	7.7	7.7	31.8	31.8	90.3	90.3	6.6	6.6	4.2	6.6	4	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
					Bottom	4.1	0.1	65	22.0	22.0	7.7	7.7	32.2	32.2	91.8	91.8	6.7	6.7	5.1	6.7	8	-	-									
						4.1	0.2	67	22.0	22.0	7.7	7.7	32.2	32.2	91.8	91.8	6.7	6.7	5.1	6.7	8	-	-									
SR7	Cloudy	Moderate	02:49	16.8	Surface	1.0	0.2	64	21.9	21.9	8.0	8.0	32.9	32.9	94.5	94.4	6.8	6.8	5.0	6.8	4	-	-	823664	823765	-	-	-				
						1.0	0.2	69	21.9	21.9	8.0	8.0	32.9	32.9	94.3	94.3	6.8	6.8	5.4	6.8	4	-	-									
					Middle	8.4	0.3	40	22.1	22.1	8.0	8.0	32.8	32.8	94.9	95.0	6.9	6.9	3.1	6.9	5	-	-									
						8.4	0.3	41	22.1	22.1	8.0	8.0	32.7	32.7	95.1	95.0	6.9	6.9	3.1	6.9	5	-	-									
					Bottom	15.8	0.2	34	22.1	22.1	7.9	7.9	32.6	32.6	97.9	98.2	7.1	7.1	5.4	7.1	5	-	-									
						15.8	0.2	36	22.1	22.1	7.9	7.9	32.6	32.6	98.4	98.2	7.1	7.1	5.4	7.1	6	-	-									
SR8	Cloudy	Moderate	04:06																													

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 November 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	16:19	8.7	Surface	1.0	0.2	54	21.7	7.9	7.9	32.2	32.2	96.0	96.0	7.0	7.0	12.6	7.0	9	70	73	815603	804250	<0.2	0.4	0.5			
						1.0	0.2	58	21.7	7.9	7.9	32.2	32.2	96.0	96.0	7.0	7.0	12.6	7.0	10	70	73								
					Middle	4.4	0.2	49	21.7	7.9	7.9	32.3	32.3	96.2	96.2	7.0	7.0	13.8	7.0	14	70	73								
						4.4	0.2	53	21.7	7.9	7.9	32.3	32.3	96.2	96.2	7.0	7.0	13.8	7.0	14	70	73								
					Bottom	7.7	0.1	44	21.7	7.8	7.8	32.4	32.4	97.4	97.4	7.1	7.1	13.9	7.1	12	76	76								
						7.7	0.1	45	21.7	7.8	7.8	32.4	32.4	97.4	97.4	7.1	7.1	13.9	7.1	12	76	76								
C2	Cloudy	Moderate	15:11	11.7	Surface	1.0	0.2	28	20.9	8.0	8.0	31.8	31.8	97.6	97.7	7.2	7.2	3.4	4	71	73	825667	806931	<0.2	1.1	1.1				
						1.0	0.2	30	20.9	8.0	8.0	31.8	31.8	97.8	97.7	7.3	7.3	3.4	4	72	73									
					Middle	5.9	0.2	355	20.3	8.0	8.0	32.1	32.1	97.0	97.0	7.3	7.3	7.1	6	73	73									
						5.9	0.2	327	20.3	8.0	8.0	32.1	32.1	96.9	97.0	7.3	7.3	6.9	7	73	73									
					Bottom	10.7	0.2	332	21.5	8.0	8.0	31.7	31.7	97.3	97.3	7.2	7.2	8.8	6	74	74									
						10.7	0.2	348	21.5	8.0	8.0	31.7	31.7	97.3	97.3	7.2	7.2	8.8	5	74	74									
C3	Cloudy	Moderate	16:59	12.3	Surface	1.0	0.1	334	21.7	8.0	8.0	32.6	32.7	94.1	94.2	6.8	6.8	6.3	5	73	75	822092	817818	<0.2	0.4	0.4				
						1.0	0.1	351	21.7	8.0	8.0	32.7	32.7	94.2	94.2	6.9	6.9	6.3	4	73	75									
					Middle	6.2	0.0	298	21.7	8.0	8.0	32.5	32.4	93.8	93.8	6.8	6.8	8.9	5	75	75									
						6.2	0.0	309	21.8	8.0	8.0	32.4	32.4	93.8	93.8	6.8	6.8	8.9	6	75	75									
					Bottom	11.3	0.1	311	22.1	8.0	8.0	32.8	32.8	97.7	97.9	7.1	7.1	16.0	3	77	77									
						11.3	0.1	316	22.1	8.0	8.0	32.8	32.8	98.1	97.9	7.1	7.1	16.0	4	77	77									
IM1	Cloudy	Moderate	15:59	7.4	Surface	1.0	0.1	9	21.4	7.9	7.9	32.0	32.0	96.3	96.3	7.1	7.1	6.1	6	70	72	818357	806436	<0.2	0.6	0.6				
						1.0	0.1	9	21.4	7.9	7.9	32.0	32.0	96.3	96.3	7.1	7.1	6.1	7	70	72									
					Middle	3.7	0.1	15	21.5	7.9	7.9	32.1	32.1	96.4	96.4	7.1	7.1	6.8	7	71	71									
						3.7	0.1	15	21.5	7.9	7.9	32.1	32.1	96.4	96.4	7.1	7.1	6.8	7	71	71									
					Bottom	6.4	0.1	41	21.6	7.8	7.8	32.4	32.4	97.4	97.4	7.1	7.1	9.1	8	74	74									
						6.4	0.2	43	21.6	7.8	7.8	32.4	32.4	97.4	97.4	7.1	7.1	9.1	7	74	74									
IM2	Cloudy	Moderate	15:54	8.4	Surface	1.0	0.2	16	21.5	7.9	7.9	32.2	32.2	95.9	95.9	7.0	7.0	10.6	10	70	72	818849	806170	<0.2	0.5	0.5				
						1.0	0.2	16	21.5	7.9	7.9	32.2	32.2	95.9	95.9	7.0	7.0	10.6	11	70	72									
					Middle	4.2	0.2	13	21.5	7.9	7.9	32.2	32.2	96.0	96.0	7.0	7.0	12.9	11	71	71									
						4.2	0.2	14	21.5	7.9	7.9	32.2	32.2	96.0	96.0	7.0	7.0	12.9	11	71	71									
					Bottom	7.4	0.2	14	21.5	7.8	7.8	32.3	32.3	96.4	96.4	7.1	7.1	14.5	11	73	73									
						7.4	0.2	15	21.5	7.8	7.8	32.3	32.3	96.4	96.4	7.1	7.1	14.5	12	74	74									
IM3	Cloudy	Moderate	15:46	8.6	Surface	1.0	0.2	36	21.5	7.9	7.9	32.3	32.3	96.4	96.4	7.1	7.1	9.1	11	70	72	819409	805997	<0.2	0.7	0.7				
						1.0	0.2	37	21.5	7.9	7.9	32.3	32.3	96.4	96.4	7.1	7.1	9.1	13	70	72									
					Middle	4.3	0.2	25	21.5	7.8	7.8	32.4	32.4	96.5	96.5	7.1	7.1	9.8	12	72	72									
						4.3	0.2	27	21.5	7.8	7.8	32.4	32.4	96.5	96.5	7.1	7.1	9.8	11	72	72									
					Bottom	7.6	0.2	27	21.5	7.8	7.8	32.5	32.5	97.5	97.5	7.1	7.1	10.1	10	74	74									
						7.6	0.2	29	21.5	7.8	7.8	32.5	32.5	97.5	97.5	7.1	7.1	10.1	10	74	74									
IM4	Cloudy	Moderate	15:38	7.8	Surface	1.0	0.2	14	21.4	7.8	7.8	32.6	32.6	96.0	96.0	7.0	7.0	12.3	12	70	72	819590	805036	<0.2	0.5	0.5				
						1.0	0.2	14	21.4	7.8	7.8	32.6	32.6	96.0	96.0	7.0	7.0	12.3	11	70	70									
					Middle	3.9	0.2	30	21.4	7.8	7.8	32.5	32.5	96.1	96.1	7.0	7.0	13.4	12	72	73									
						3.9	0.2	30	21.4	7.8	7.8	32.5	32.5	96.1	96.1	7.0	7.0	13.4	14	73	73									
					Bottom	6.8	0.2	23	21.4	7.8	7.8	32.7	32.7	96.8	96.8	7.1	7.1	13.5	13	74	74									
						6.8	0.2	23	21.4	7.8	7.8	32.7	32.7	96.8	96.8	7.1	7.1	13.5	12	75	75									
IM5	Cloudy	Moderate	15:27	6.9	Surface	1.0	0.2	31	21.4	7.8	7.8	32.4	32.4	96.2	96.2	7.1	7.1	12.8	14	70	72	820566	804899	<0.2	0.7	0.7				
						1.0	0.2	32	21.4	7.8	7.8	32.4	32.4	96.2	96.2	7.1	7.1	12.8	13	70	70									
					Middle	3.5	0.2	14	21.4	7.8	7.8	32.6	32.6	96.6	96.6	7.1	7.1	12.8	14	72	72									
						3.5	0.2	14	21.4	7.8	7.8	32.6	32.6	96.6	96.6	7.1	7.1	12.8	13	72	72									
					Bottom	5.9	0.2	15	21.3	7.8	7.8	32.9	32.9	97.7	97.7	7.1	7.1	13.8	10	75	75									
						5.9	0.2	16	21.3	7.8	7.8	32.9	32.9	97.7	97.7	7.1	7.1	13.8	10	75	75									
IM6	Cloudy	Moderate	15:18	6.8	Surface	1.0	0.2	14	21.4	7.9	7.9	32.5	32.5	96.0	96.0	7.0	7.0	8.0	10	70	74	821087	805857	<0.2	0.8	0.8				
						1.0	0.2	14	21.4	7.9	7.9	32.5	32.5	96.0	96.0	7.0	7.0	8.0	11	70	70									
					Middle	3.4	0.2	16	21.4	7.9	7.9	32.6	32.6	96.0	96.0	7.0	7.0	8.7	10	74	74									
						3.4	0.2	17	21.4	7.9	7.9	32.6	32.6	96.0	96.0	7.0	7.0	8.7	11	74	74									
					Bottom	5.8	0.2	12	21.4	7.8	7.8	33.0	33.0	97.0	97.1	7.1	7.1	12.5	15	77	77									
						5.8	0.2	12	21.4	7.8	7.8	33.0	33.0	97.1	97.1	7.1	7.1	12.6	15	77	77									
IM7	Cloudy	Moderate	15:12	8.3	Surface	1.0	0.1	46	21.4	7.9	7.9	32.7	32.7	95.9	95.9	7.0	7.0	10.6	14	69	72	821357	806846	<0.2	0.7	0.7				
						1.0	0.1	46	21.4	7.9	7.9	32.7	32.7	95.9	95.9	7.0	7.0	10.6	16	70	70									
					Middle	4.2	0.2	28	21.4	7.9	7.9	33.0	33.0	95.8	95.8	7.0	7.0	11.4	15	71	71									
						4.2	0.2	30	21.4	7.9	7.9	33.0	33.0	95.8	95.8	7.0	7.0	11.4	16	71	71									
					Bottom	7.3	0.2	41	21.4	7.9	7.9	33.3	33.3	96.2	96.2	7.0	7.0	13.0	8	74	74									
						7.3	0.2	43	21.4	7.9	7.9	33.3	33.3	96.2	96.2	7.0	7.0	13.0	8	74	74									
IM8	Cloudy	Moderate	15:38	8.2	Surface	1.0	0.2	27	21.0	8.1	8.1	32.5	32.5	98.4	98.5	7.3	7.3	11.3	7	72	73	821679	807816	<0.2	0.5	0.6				
						1.0	0.2	28	21.0	8.1	8.1	32.5	32.5	98.5	98.9	7.3	7.3	11.3	8	72	73									
					Middle	4.1	0.2	32	21.0	8.1	8.1	32.5	32.5	98.9	98.9	7.3	7.3	15.2	6	73	73									
						4.1	0.2	33	21.0	8.1	8.1	32.5	32.5	98.9	98.9	7.3	7.3	15.2	8	73	73									
					Bottom	7.2	0.1	38	21.0	8.1	8.1	32.4	32.4	100.1	100.2	7.4	7.4	18.8	7	75	75									
						7.2	0.1	38	21.0	8.1	8.1	32.4	32.4	100.3	100.3	7.4	7.4	18.8	8	74	74									

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 November 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	15:46	7.1	Surface	1.0	0.1	50	21.4	8.3	8.3	32.3	32.3	97.2	97.3	7.1	7.2	10.7	11.9	12	11	73	74	822117	808792	0.3	0.7	0.4	0.6							
						1.0	0.1	54	21.4	8.3	8.3	32.3	32.3	97.3	97.3	7.1	7.2	10.6	11.9	12	11	72	74	0.3	0.6	0.4	0.8									
					Middle	3.6	0.1	55	21.4	8.2	8.2	32.3	32.3	98.1	98.1	7.2	7.2	12.6	12.7	12	11	74	74	0.4	0.7	0.4	0.8									
						3.6	0.1	58	21.4	8.2	8.2	32.3	32.3	98.1	98.1	7.2	7.2	12.7	12.7	11	10	74	74	0.4	0.7	0.4	0.8									
					Bottom	6.1	0.1	9	21.3	8.2	8.2	32.3	32.3	100.0	100.2	7.3	7.4	12.4	12.4	10	10	75	75	0.3	0.7	0.3	0.7									
						6.1	0.1	9	21.3	8.2	8.2	32.3	32.3	100.3	100.2	7.4	7.4	12.4	12.4	10	10	75	75	0.3	0.7	0.3	0.7									
IM10	Cloudy	Moderate	15:53	7.2	Surface	1.0	0.3	323	21.5	8.1	8.1	32.3	32.3	97.0	97.1	7.1	7.1	8.9	12.1	10	11	72	74	822259	809853	0.3	0.6	0.4	0.7							
						1.0	0.3	339	21.5	8.1	8.1	32.3	32.3	97.1	97.1	7.1	7.1	9.2	12.1	10	11	73	74	0.3	0.6	0.4	0.7									
					Middle	3.6	0.2	325	21.5	8.1	8.1	32.3	32.3	97.5	97.6	7.1	7.1	13.0	13.0	13	11	74	73	0.4	0.7	0.4	0.8									
						3.6	0.3	329	21.5	8.1	8.1	32.3	32.3	97.6	97.6	7.1	7.1	13.0	13.0	12	11	73	73	0.4	0.7	0.4	0.8									
					Bottom	6.2	0.2	325	21.6	8.1	8.1	32.3	32.3	100.0	100.0	7.3	7.3	14.4	14.4	11	10	75	75	0.3	0.7	0.3	0.7									
						6.2	0.2	326	21.6	8.1	8.1	32.3	32.3	100.6	100.3	7.3	7.3	14.1	14.1	12	10	75	75	0.2	0.6	0.2	0.6									
IM11	Cloudy	Moderate	16:05	8.8	Surface	1.0	0.2	249	21.6	8.1	8.1	32.4	32.4	95.9	96.0	7.0	7.0	4.1	5.9	6	7	73	75	821530	810562	<0.2	0.6	<0.2	0.7							
						1.0	0.2	269	21.6	8.1	8.1	32.4	32.4	96.0	96.0	7.0	7.0	4.2	5.9	5	7	72	75	<0.2	0.7	<0.2	0.7									
					Middle	4.4	0.3	246	21.6	8.1	8.1	32.3	32.3	96.4	96.4	7.0	7.0	6.5	6	6	7	75	75	<0.2	0.7	<0.2	0.7									
						4.4	0.3	253	21.6	8.1	8.1	32.3	32.3	96.4	96.4	7.0	7.0	6.6	6	6	7	75	75	<0.2	0.7	<0.2	0.7									
					Bottom	7.8	0.1	232	21.7	8.0	8.0	32.3	32.3	98.3	98.5	7.2	7.2	6.9	9	9	7	7	76	76	0.3	0.7	0.3	0.7								
						7.8	0.1	240	21.7	8.0	8.0	32.3	32.3	98.6	98.5	7.2	7.2	6.9	9	9	7	7	76	76	0.3	0.8	0.3	0.8								
IM12	Cloudy	Moderate	16:12	8.3	Surface	1.0	0.7	273	21.8	8.0	8.0	32.4	32.4	96.1	96.2	7.0	7.1	6.0	11.8	7	8	74	75	821155	811522	<0.2	0.6	<0.2	0.7							
						1.0	0.7	285	21.8	8.0	8.0	32.4	32.4	96.3	96.2	7.0	7.0	6.0	11.8	7	8	73	73	<0.2	0.6	<0.2	0.6									
					Middle	4.2	0.6	273	21.7	8.0	8.0	32.3	32.3	97.4	97.5	7.1	7.1	13.0	13.0	8	8	73	73	<0.2	0.6	<0.2	0.6									
						4.2	0.6	274	21.6	8.0	8.0	32.4	32.3	97.6	97.5	7.1	7.1	13.0	13.0	7	8	74	73	<0.2	0.6	<0.2	0.6									
					Bottom	7.3	0.5	277	21.8	8.0	8.0	32.2	32.2	98.1	98.1	7.1	7.1	16.3	8	8	7	7	76	77	<0.2	0.6	<0.2	0.6								
						7.3	0.5	286	21.8	8.0	8.0	32.2	32.2	98.1	98.1	7.1	7.1	16.3	8	8	7	7	77	77	<0.2	0.6	<0.2	0.6								
SR2	Cloudy	Moderate	16:37	4.6	Surface	1.0	0.1	336	21.4	8.0	8.0	32.5	32.5	94.1	94.2	6.9	6.9	8.8	12.1	5	6	74	75	821439	814160	<0.2	0.6	<0.2	0.6							
						1.0	0.1	339	21.5	8.0	8.0	32.4	32.4	94.2	94.2	6.9	6.9	8.8	12.1	6	6	73	73	<0.2	0.6	<0.2	0.6									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.6	0.0	307	21.9	8.0	8.0	32.4	32.4	97.5	97.9	7.1	7.1	15.4	6	6	7	7	75	76	<0.2	0.5	<0.2	0.5								
						3.6	0.0	332	21.9	8.0	8.0	32.4	32.4	98.2	97.9	7.1	7.1	15.4	6	6	7	7	76	76	<0.2	0.5	<0.2	0.5								
SR3	Cloudy	Moderate	15:32	8.6	Surface	1.0	0.2	21	21.2	8.1	8.1	32.5	32.5	98.2	98.3	7.2	7.3	8.9	8.6	10	11	-	-	822170	807582	-	-	-	-							
						1.0	0.2	21	21.2	8.1	8.1	32.5	32.5	98.3	98.3	7.2	7.2	9.0	8.6	9	11	-	-	-	-	-	-	-	-							
					Middle	4.3	0.2	355	21.1	8.1	8.1	32.4	32.4	98.5	98.6	7.3	7.3	9.2	7.4	10	11	-	-	-	-	-	-	-	-	-						
						4.3	0.2	358	21.1	8.1	8.1	32.4	32.4	98.6	98.6	7.3	7.3	9.3	7.4	11	11	-	-	-	-	-	-	-	-							
					Bottom	7.6	0.1	17	21.1	8.1	8.1	32.3	32.3	100.1	100.2	7.4	7.4	7.2	7.4	11	11	-	-	-	-	-	-	-	-							
						7.6	0.1	17	21.1	8.1	8.1	32.3	32.3	100.3	100.3	7.4	7.4	8.0	7.4	12	11	-	-	-	-	-	-	-	-							
SR4A	Cloudy	Calm	16:38	8.5	Surface	1.0	0.0	219	21.4	7.8	7.8	31.1	31.1	94.8	94.8	7.0	7.0	7.8	11.0	10	11	-	-	817163	807783	-	-	-	-							
						1.0	0.0	234	21.4	7.8	7.8	31.1	31.1	94.8	94.8	7.0	7.0	7.8	11.0	9	11	-	-	-	-	-	-	-								
					Middle	4.3	0.2	76	21.4	7.8	7.8	31.6	31.6	95.4	95.4	7.0	7.0	10.6	7.4	11	11	-	-	-	-	-	-	-								
						4.3	0.2	83	21.4	7.8	7.8	31.6	31.6	95.4	95.4	7.0	7.0	10.6	7.4	12	11	-	-	-	-	-	-	-								
					Bottom	7.5	0.1	82	21.3	7.8	7.8	32.1	32.1	96.5	96.5	7.1	7.1	14.6	7.4	12	11	-	-	-	-	-	-	-								
						7.5	0.2	82	21.3	7.8	7.8	32.1	32.1	96.5	96.5	7.1	7.1	14.6	7.4	11	11	-	-	-	-	-	-	-								
SR5A	Cloudy	Calm	16:54	3.7	Surface	1.0	0.0	172	21.6	7.8	7.8	30.6	30.6	94.1	94.1	7.0	7.0	6.5	5.8	8	9	-	-	816582	810706	-	-	-	-							
						1.0	0.0	175	21.6	7.8	7.8	30.6	30.6	94.1	94.1	7.0	7.0	6.5	5.8	9	9	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	2.7	0.0	147	21.6	7.7	7.7	31.1	31.1	97.6	97.6	7.2	7.2	5.0	7.4	9	9	-	-	-	-	-	-									
						2.7	0.0	151	21.6	7.7	7.7	31.1	31.1	97.6	97.6	7.2	7.2	5.0	7.4	10	9	-	-	-	-	-	-									
SR6	Cloudy	Calm	17:16	4.5	Surface	1.0	0.1	28	22.1	7.8	7.8	31.2	31.2	91.5	91.6	6.7	6.7	13.0	14.6	13	15	-	-	817892	814678	-	-	-	-							
						1.0	0.1	30	22.1	7.8	7.8	31.2	31.2	91.6	91.6	6.7	6.7	13.1	14.6	12	15	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	3.5	0.0	8	22.2	7.8	7.8	31.6	31.6	93.8	93.8	6.8	6.8	16.2	6.8	17	15	-	-	-	-	-	-									
						3.5	0.0	8	22.2	7.8	7.																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 November 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	07:40	8.4	Surface	1.0	0.3	227	21.6	21.6	8.0	8.0	32.8	32.8	94.0	94.0	6.8	6.8	5.7	6.5	7	7	72	73	815615	804229	<0.2	0.4	<0.2	0.4						
						1.0	0.3	230	21.6		8.0	8.0	32.8	32.8	94.0	94.0	6.8		5.7		8		72				<0.2	0.6								
					Middle	4.2	0.3	221	21.6	21.6	8.0	8.0	32.8	32.8	93.8	93.8	6.8	6.8	6.4	6.5	6	7	73	73			<0.2	0.4		<0.2	0.5					
						4.2	0.3	230	21.6		8.0	8.0	32.8	32.8	93.8	93.8	6.8		6.4		7		73				<0.2	0.4								
					Bottom	7.4	0.3	227	21.6	21.6	8.0	8.0	32.8	32.8	93.8	93.8	6.8	6.8	7.5	6.7	7	7	74	73			<0.2	0.4		<0.2	0.4					
						7.4	0.3	244	21.6		8.0	8.0	32.8	32.8	93.8	93.8	6.8		7.5		7		73				<0.2	0.4								
C2	Cloudy	Moderate	08:40	11.4	Surface	1.0	0.4	170	22.1	22.1	7.9	7.9	31.5	31.5	92.8	92.8	6.7	6.7	2.0	7.1	4	5	71	73	825698	806948	<0.2	1.0	<0.2	1.0						
						1.0	0.4	182	22.1		7.9	7.9	31.5	31.5	92.8	92.8	6.7		2.0		3		71				<0.2	0.7								
					Middle	5.7	0.5	169	22.1	22.1	7.9	7.9	31.5	31.5	92.5	92.5	6.7	6.7	5.6	6.7	4	3	73	73			<0.2	0.8		<0.2	0.8					
						5.7	0.5	181	22.1		7.9	7.9	31.5	31.5	92.5	92.5	6.7		5.6		3		73				<0.2	0.7								
					Bottom	10.4	0.4	163	22.0	22.0	7.9	7.9	31.4	31.4	92.2	92.2	6.7	6.7	13.4	6.7	10	8	75	76			<0.2	0.7		<0.2	0.9					
						10.4	0.4	172	22.0		7.9	7.9	31.4	31.4	92.2	92.2	6.7		13.7		8		76				<0.2	0.9								
C3	Cloudy	Moderate	06:38	12.1	Surface	1.0	0.2	97	22.4	22.4	7.8	7.8	32.5	32.5	88.0	88.0	6.3	6.3	3.0	5.4	4	4	71	74	822125	817809	<0.2	0.5	<0.2	0.5						
						1.0	0.2	106	22.4		7.8	7.8	32.5	32.5	88.0	88.0	6.3		3.0		3		71				<0.2	0.6								
					Middle	6.1	0.2	97	22.4	22.4	7.8	7.8	32.6	32.6	87.8	87.8	6.3	6.3	5.7	6.3	4	4	74	74			<0.2	0.6		<0.2	0.6					
						6.1	0.2	105	22.4		7.8	7.8	32.6	32.6	87.8	87.8	6.3		5.7		4		74				<0.2	0.6								
					Bottom	11.1	0.2	87	22.4	22.4	7.8	7.8	32.9	32.9	88.0	88.0	6.3	6.3	7.4	6.3	4	5	76	76			<0.2	0.8		<0.2	0.9					
						11.1	0.2	91	22.4		7.8	7.8	32.9	32.9	88.0	88.0	6.3		7.4		5		76				<0.2	0.9								
IM1	Cloudy	Moderate	08:00	7.3	Surface	1.0	0.2	157	21.5	21.5	8.0	8.0	32.8	32.8	93.9	93.9	6.9	6.9	6.2	6.6	6	7	73	75	818375	806481	<0.2	0.4	<0.2	0.5						
						1.0	0.3	167	21.5		8.0	8.0	32.8	32.8	93.9	93.9	6.9		6.2		5		74				<0.2	0.5								
					Middle	3.7	0.3	157	21.5	21.5	8.0	8.0	32.8	32.8	93.7	93.7	6.8	6.8	6.5	6.8	7	7	73	77			<0.2	0.6		<0.2	0.6					
						3.7	0.3	167	21.5		8.0	8.0	32.8	32.8	93.7	93.7	6.8		6.5		8		74				<0.2	0.5								
					Bottom	6.3	0.3	160	21.5	21.5	8.0	8.0	32.8	32.8	93.6	93.6	6.8	6.8	7.0	6.8	7	7	77	77			<0.2	0.5		<0.2	0.5					
						6.3	0.3	170	21.5		8.0	8.0	32.8	32.8	93.6	93.6	6.8		7.0		7		77				<0.2	0.5								
IM2	Cloudy	Moderate	08:06	8.9	Surface	1.0	0.2	180	21.3	21.3	8.0	8.0	32.8	32.8	94.6	94.6	6.9	6.9	9.9	11.8	10	11	73	75	818850	806193	<0.2	0.5	<0.2	0.6						
						1.0	0.2	194	21.3		8.0	8.0	32.8	32.8	94.6	94.6	6.9		9.9		10		73				<0.2	0.6								
					Middle	4.5	0.2	203	21.3	21.3	8.0	8.0	32.8	32.8	94.4	94.4	6.9	6.9	11.0	6.9	11	11	75	75			<0.2	0.5		<0.2	0.6					
						4.5	0.2	203	21.3		8.0	8.0	32.8	32.8	94.4	94.4	6.9		11.0		11		75				<0.2	0.6								
					Bottom	7.9	0.2	192	21.3	21.3	8.0	8.0	32.8	32.8	94.2	94.2	6.9	6.9	14.6	6.9	11	11	75	76			<0.2	0.5		<0.2	0.5					
						7.9	0.2	201	21.3		8.0	8.0	32.8	32.8	94.2	94.2	6.9		14.6		11		76				<0.2	0.5								
IM3	Cloudy	Moderate	08:12	8.2	Surface	1.0	0.2	195	21.4	21.4	8.0	8.0	32.8	32.8	94.5	94.5	6.9	6.9	7.0	7.2	7	8	74	74	819403	805999	<0.2	0.5	<0.2	0.4						
						1.0	0.2	209	21.4		8.0	8.0	32.8	32.8	94.5	94.5	6.9		7.0		8		74				<0.2	0.4								
					Middle	4.1	0.2	192	21.4	21.4	8.0	8.0	32.8	32.8	94.2	94.2	6.9	6.9	7.1	6.9	10	8	73	73			<0.2	0.5		<0.2	0.5					
						4.1	0.2	207	21.4		8.0	8.0	32.8	32.8	94.2	94.2	6.9		7.1		8		73				<0.2	0.4								
					Bottom	7.2	0.2	184	21.4	21.4	8.0	8.0	32.8	32.8	94.1	94.1	6.9	6.9	7.4	6.9	9	8	75	76			<0.2	0.5		<0.2	0.5					
						7.2	0.2	184	21.4		8.0	8.0	32.8	32.8	94.1	94.1	6.9		7.4		8		76				<0.2	0.6								
IM4	Cloudy	Moderate	08:18	7.5	Surface	1.0	0.3	182	21.4	21.4	8.0	8.0	32.8	32.8	94.5	94.5	6.9	6.9	7.8	8.7	7	8	73	75	819587	805035	<0.2	0.4	<0.2	0.4						
						1.0	0.3	197	21.4		8.0	8.0	32.8	32.8	94.5	94.5	6.9		7.8		8		73				<0.2	0.4								
					Middle	3.8	0.3	180	21.4	21.4	8.0	8.0	32.8	32.8	94.2	94.2	6.9	6.9	8.8	6.9	8	8	75	75			<0.2	0.5		<0.2	0.5					
						3.8	0.3	185	21.4		8.0	8.0	32.8	32.8	94.2	94.2	6.9		8.8		8		75				<0.2	0.5								
					Bottom	6.5	0.2	191	21.4	21.4	8.0	8.0	32.8	32.8	94.2	94.2	6.9	6.9	9.6	6.9	9	9	76	76			<0.2	0.4		<0.2	0.4					
						6.5	0.2	200	21.4		8.0	8.0	32.8	32.8	94.2	94.2	6.9		9.6		9		76				<0.2	0.5								
IM5	Cloudy	Moderate	08:28	6.5	Surface	1.0	0.3	168	21.6	21.6	8.0	8.0	32.9	32.9	94.7	94.7	6.9	6.9	10.6	13.1	8	7	72	74	820553	804899	<0.2	0.5	<0.2	0.5						
						1.0	0.3	173	21.6		8.0	8.0	32.9	32.9	94.7	94.7	6.9		10.8		8		72				<0.2	0.5								
					Middle	3.3	0.2	164	21.6	21.6	8.0	8.0	32.9	32.9	94.6	94.6	6.9	6.9	19.2	6.9	7	7	73	73			<0.2	0.6		<0.2	0.6					
						3.3	0.2	172	21.6		8.0	8.0	32.9	32.9	94.6	94.6	6.9		19.2		6		73				<0.2	0.4								
					Bottom	5.5	0.3	166	21.6	21.6	8.0	8.0	32.9	32.9	94.8	94.8	6.9	6.9	9.3	6.9	6	8	77	76			<0.2	0.4		<0.2	0.5					
						5.5	0.3	168	21.6		8.0	8.0	32.9	32.9	94.8	94.8	6.9		9.3		8		76				<0.2	0.5								
IM6	Cloudy	Moderate	08:35	6.5	Surface	1.0	0.3	166	21.5	21.5	8.0	8.0	32.9	32.9	94.7	94.7	6.9	6.9	7.2	7.3	7	7	73	74	821041	805812	<0.2	0.5	<0.2	0.4						
						1.0	0.3	178	21.5		8.0	8.0	32.9	32.9	94.7	94.7	6.9		7.2		7		73				<0.2	0.5								
					Middle	3.3	0.3	161	21.5	21.5	8.0	8.0	32.9	32.9	94.6	94.6	6.9	6.9	7.4	6.9	7	7	73	75			<0.2	0.5		<0.2	0.5					
						3.3	0.3	172	21.5		8.0	8.0	32.9	32.9	94.6	94.6	6.9		7.4		8		74				<0.2	0.5								
					Bottom	5.5	0.2	163	21.5	21.5	8.0	8.0	32.9	32.9	94.7	94.7	6.9	6.9	7.3	6.9	7	8	75	75			<0.2	0.5		<0.2	0.4					
						5.5	0.2	163	21.5		8.0																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 November 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	08:02	7.0	Surface	1.0	0.2	117	21.5	21.5	7.9	7.9	31.7	31.7	95.1	95.1	7.0	7.0	7.0	7.0	9	70	70	70	822077	808811	<0.2	0.8	<0.2	1.0							
						1.0	0.2	127	21.5	7.9	7.9	31.7	31.7	95.1	95.1	7.0	7.0	7.0	7.0	8	70	70	70														
					Middle	3.5	0.2	116	21.5	21.5	7.9	7.9	31.6	31.6	94.8	94.8	7.0	7.0	7.1	7.1	7.0	7.1	8	70			71	70			<0.2	0.8					
						3.5	0.2	125	21.5	21.5	7.9	7.9	31.6	31.6	94.8	94.8	7.0	7.0	6.8	6.8	7.0	7.0	9	72			72	72			<0.2	0.9					
					Bottom	6.0	0.2	92	21.5	21.5	7.9	7.9	31.6	31.6	94.8	94.8	7.0	7.0	7.1	7.1	7.0	7.1	7.0	7.1			12	74			74	74	<0.2	0.8			
						6.0	0.2	92	21.5	21.5	7.9	7.9	31.6	31.6	94.8	94.8	7.0	7.0	7.1	7.1	7.0	7.1	7.0	7.1			12	74			74	74	<0.2	1.2			
IM10	Cloudy	Moderate	07:53	7.6	Surface	1.0	0.4	111	21.5	21.5	7.9	7.9	31.6	31.6	95.2	95.2	7.0	7.0	7.0	7.0	6	70	70	70	822243	809810	<0.2	0.9	<0.2	1.0							
						1.0	0.4	118	21.5	21.5	7.9	7.9	31.6	31.6	95.2	95.2	7.0	7.0	7.0	7.0	7.0	7.0	6	71			71	71			<0.2	0.9					
					Middle	3.8	0.3	113	21.5	21.5	7.9	7.9	31.6	31.6	94.9	94.9	7.0	7.0	5.7	5.7	7.0	7.0	7	74			74	74			<0.2	1.4					
						3.8	0.4	123	21.5	21.5	7.9	7.9	31.6	31.6	94.9	94.9	7.0	7.0	5.7	5.7	7.0	7.0	6	74			74	74			<0.2	1.2					
					Bottom	6.6	0.3	97	21.4	21.4	7.9	7.9	31.6	31.6	94.4	94.4	6.9	6.9	7.7	7.7	6.9	6.9	7	75			75	75			<0.2	0.8					
						6.6	0.3	98	21.4	21.4	7.9	7.9	31.6	31.6	94.4	94.4	6.9	6.9	7.7	7.7	6.9	6.9	6	76			76	76			<0.2	0.9					
IM11	Cloudy	Moderate	07:41	8.1	Surface	1.0	0.3	98	21.4	21.4	8.0	8.0	31.7	31.7	94.8	94.8	7.0	7.0	7.0	7.0	16	71	71	71	821499	810527	<0.2	0.8	<0.2	1.0							
						1.0	0.3	107	21.4	21.4	8.0	8.0	31.7	31.7	94.8	94.8	7.0	7.0	14.9	14.9	7.0	7.0	16	71			71	71			<0.2	0.8					
					Middle	4.1	0.3	101	21.4	21.4	8.0	8.0	31.7	31.7	94.5	94.5	7.0	7.0	16.3	16.3	7.0	7.0	16	74			74	74			<0.2	1.1					
						4.1	0.3	101	21.4	21.4	8.0	8.0	31.7	31.7	94.5	94.5	7.0	7.0	16.3	16.3	7.0	7.0	15	74			74	74			<0.2	1.1					
					Bottom	7.1	0.2	91	21.4	21.4	8.0	8.0	31.6	31.6	93.9	93.9	6.9	6.9	18.1	18.1	6.9	6.9	7	77			77	77			<0.2	1.1					
						7.1	0.2	96	21.4	21.4	8.0	8.0	31.6	31.6	93.9	93.9	6.9	6.9	18.1	18.1	6.9	6.9	17	78			78	78			<0.2	0.9					
IM12	Cloudy	Moderate	07:31	8.7	Surface	1.0	0.3	96	21.4	21.4	7.9	7.9	31.8	31.8	95.2	95.2	7.0	7.0	7.0	7.0	18	71	71	71	821188	811513	<0.2	0.7	<0.2	1.0							
						1.0	0.3	99	21.4	21.4	7.9	7.9	31.8	31.8	95.2	95.2	7.0	7.0	16.2	16.2	7.0	7.0	18	72			72	72			<0.2	0.8					
					Middle	4.4	0.3	98	21.4	21.4	7.9	7.9	31.8	31.8	95.0	95.0	7.0	7.0	17.7	17.7	7.0	7.0	18	73			73	73			<0.2	1.0					
						4.4	0.3	106	21.4	21.4	7.9	7.9	31.8	31.8	95.0	95.0	7.0	7.0	17.7	17.7	7.0	7.0	19	74			74	74			<0.2	0.8					
					Bottom	7.7	0.3	102	21.4	21.4	7.9	7.9	31.8	31.8	94.4	94.4	6.9	6.9	20.2	20.2	6.9	6.9	20	75			75	75			<0.2	1.0					
						7.7	0.3	102	21.4	21.4	7.9	7.9	31.8	31.8	94.4	94.4	6.9	6.9	20.2	20.2	6.9	6.9	19	76			76	76			<0.2	0.9					
SR2	Cloudy	Moderate	07:03	4.1	Surface	1.0	0.2	92	22.2	22.2	7.9	7.9	32.1	32.1	90.5	90.6	6.6	6.6	3.0	3.0	8	71	71	71	821490	814145	<0.2	0.6	<0.2	0.6							
						1.0	0.2	101	22.2	22.2	7.9	7.9	32.1	32.1	90.6	90.6	6.6	6.6	2.9	2.9	7	71	71	71			<0.2	0.6									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
					Bottom	3.1	0.2	88	22.3	22.3	7.9	7.9	32.4	32.4	90.8	90.8	6.5	6.5	4.3	4.3	6.5	6.5	8	76			76	76			<0.2	0.6					
						3.1	0.2	95	22.3	22.3	7.9	7.9	32.4	32.4	90.8	90.8	6.5	6.5	4.3	4.3	6.5	6.5	9	76			76	76			<0.2	0.6					
SR3	Cloudy	Moderate	08:18	8.6	Surface	1.0	0.3	194	21.6	21.6	7.9	7.9	31.8	31.8	95.2	95.2	7.0	7.0	3.9	3.9	8	-	-	-	822137	807571	-	-	-	-							
						1.0	0.3	201	21.6	21.6	7.9	7.9	31.8	31.8	95.2	95.2	7.0	7.0	3.9	3.9	7	-	-	-			-	-									
					Middle	4.3	0.3	203	21.6	21.6	7.9	7.9	31.9	31.9	94.9	94.9	6.9	6.9	6.0	6.0	6.9	6.9	7	-			-	-			-	-					
						4.3	0.3	214	21.6	21.6	7.9	7.9	31.9	31.9	94.9	94.9	6.9	6.9	6.0	6.0	6.9	6.9	7	-			-	-			-	-					
					Bottom	7.6	0.2	205	21.5	21.5	7.9	7.9	31.9	31.9	94.7	94.7	6.9	6.9	7.2	7.2	6.9	6.9	8	-			-	-			-	-					
						7.6	0.2	211	21.5	21.5	7.9	7.9	31.9	31.9	94.7	94.7	6.9	6.9	7.2	7.2	6.9	6.9	7	-			-	-			-	-					
SR4A	Cloudy	Calm	07:21	9.4	Surface	1.0	0.2	80	21.2	21.2	8.0	8.0	32.7	32.7	93.3	93.3	6.9	6.9	5.2	5.2	6	-	-	-	817187	807799	-	-	-	-							
						1.0	0.2	80	21.2	21.2	8.0	8.0	32.7	32.7	93.3	93.3	6.9	6.9	5.2	5.2	5	-	-	-			-										
					Middle	4.7	0.2	90	21.2	21.2	8.0	8.0	32.7	32.7	93.0	93.0	6.8	6.8	5.6	5.6	6.9	6.9	5	-			-	-			-						
						4.7	0.2	97	21.2	21.2	8.0	8.0	32.7	32.7	93.0	93.0	6.8	6.8	5.6	5.6	6.9	6.9	6	-			-	-			-						
					Bottom	8.4	0.2	95	21.2	21.2	8.0	8.0	32.7	32.7	92.9	92.9	6.8	6.8	5.5	5.5	6.8	6.8	7	-			-	-			-						
						8.4	0.2	98	21.2	21.2	8.0	8.0	32.7	32.7	92.9	92.9	6.8	6.8	5.5	5.5	6.8	6.8	7	-			-	-			-						
SR5A	Cloudy	Calm	07:04	3.4	Surface	1.0	0.0	135	21.1	21.1	7.9	7.9	32.1	32.1	91.6	91.6	6.8	6.8	6.3	6.3	8	-	-	-	816618	810674	-	-	-	-							
						1.0	0.0	141	21.1	21.1	7.9	7.9	32.1	32.1	91.6	91.6	6.8	6.8	6.3	6.3	7	-	-	-			-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-		
					Bottom	2.4	0.0	341	21.2	21.2	7.9	7.9	32.4	32.4	92.8	92.8	6.8	6.8	8.5	8.5	6.8	6.8	8	-			-	-			-						
						2.4	0.0	344	21.2	21.2	7.9	7.9	32.4	32.4	92.8	92.8	6.8	6.8	8.5	8.5	6.8	6.8	6	-			-	-			-						
SR6	Cloudy	Calm	06:41	4.5	Surface	1.0	0.1	58	21.7	21.7	7.9	7.9	30.1	30.1	88.7	88.7	6.5	6.5	5.8	5.8	7	-	-	-	817911	814654	-	-	-	-							
						1.0	0.1	60	21.7	21.7	7.9	7.9	30.1	30.1	88.7	88.7	6.5	6.5	5.8	5.8	6	-	-	-			-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-			
					Bottom	3.5	0.1	67	22.0	22.0</																											

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	15:03	8.4	Surface	1.0	0.4	34	21.9	21.9	8.0	8.0	32.6	32.6	96.7	96.7	7.0	7.0	5.9	7.0	5	74	75	74	815630	804254	<0.2	0.5	0.5	
						1.0	0.4	36	21.9	8.0	8.0	32.6	32.6	96.7	96.7	7.0	7.0	6.0	7.0	5	74	75	74							
						4.2	0.3	4	21.8	8.0	8.0	32.6	32.6	94.9	94.9	6.9	6.9	8.1	7.0	5	75	75	75							
					4.2	0.3	4	21.8	8.0	8.0	32.6	32.6	94.9	94.9	6.9	6.9	8.1	7.0	4	75	75	75								
					7.4	0.3	27	21.5	8.0	8.0	32.6	32.6	93.6	93.6	6.8	6.8	9.8	6.8	5	75	75	75								
					7.4	0.3	29	21.5	8.0	8.0	32.6	32.6	93.6	93.6	6.8	6.8	9.8	6.8	5	75	75	75								
C2	Cloudy	Moderate	13:37	11.2	Surface	1.0	0.1	223	22.2	22.2	7.8	7.8	31.4	31.4	93.4	93.4	6.8	6.8	2.3	3	3	71	71	71	825668	806974	<0.2	1.4	1.3	
						1.0	0.1	224	22.2	7.8	7.8	31.4	31.4	93.4	93.4	6.8	6.8	2.3	3	3	71	71	71							
						5.6	0.1	298	22.1	7.9	7.9	32.3	32.3	92.1	92.1	6.7	6.7	2.9	4	4	73	73	73							
					5.6	0.1	324	22.1	7.9	7.9	32.3	32.3	92.1	92.1	6.7	6.7	2.9	4	4	73	73	73								
					10.2	0.2	321	22.1	7.9	7.9	32.6	32.6	92.3	92.3	6.7	6.7	4.0	4	4	76	76	76								
					10.2	0.2	345	22.1	7.9	7.9	32.6	32.6	92.3	92.3	6.7	6.7	4.0	4	4	76	76	76								
C3	Cloudy	Moderate	15:39	11.9	Surface	1.0	0.3	273	22.5	22.5	7.9	7.9	31.5	31.5	90.4	90.4	6.5	6.5	1.7	4	4	70	70	70	822122	817825	<0.2	0.8	0.7	
						1.0	0.4	273	22.5	7.9	7.9	31.5	31.5	90.4	90.4	6.5	6.5	1.7	4	4	70	70	70							
						6.0	0.3	276	22.4	7.9	7.9	31.4	31.4	90.0	90.0	6.5	6.5	4.3	4	4	74	74	74							
					6.0	0.4	278	22.4	7.9	7.9	31.4	31.4	90.0	90.0	6.5	6.5	4.3	4	4	74	74	74								
					10.9	0.3	270	22.4	7.9	7.9	31.3	31.3	90.7	90.7	6.6	6.6	5.2	6	6	76	76	76								
					10.9	0.3	288	22.4	7.9	7.9	31.3	31.3	90.7	90.7	6.6	6.6	5.2	6	6	76	76	76								
IM1	Fine	Moderate	14:42	8.8	Surface	1.0	0.2	7	21.7	21.7	8.0	8.0	32.5	32.5	96.4	96.4	7.0	7.0	5.6	6	6	74	74	74	818359	806451	<0.2	0.5	0.5	
						1.0	0.2	7	21.7	8.0	8.0	32.5	32.5	96.4	96.4	7.0	7.0	5.7	6	6	73	73	73							
						4.4	0.3	21	21.7	8.0	8.0	32.6	32.6	95.6	95.6	7.0	7.0	5.9	8	8	73	73	73							
					4.4	0.3	22	21.7	8.0	8.0	32.6	32.6	95.6	95.6	7.0	7.0	5.9	7	7	73	73	73								
					7.8	0.3	15	21.5	8.0	8.0	32.6	32.6	93.9	93.9	6.9	6.9	8.2	9	9	75	75	75								
					7.8	0.3	16	21.5	8.0	8.0	32.6	32.6	93.9	93.9	6.9	6.9	8.2	10	10	75	75	75								
IM2	Fine	Moderate	14:33	7.2	Surface	1.0	0.2	29	21.7	21.7	8.1	8.1	32.5	32.5	96.3	96.3	7.0	7.0	6.6	6	6	73	73	73	818851	806195	<0.2	0.6	0.5	
						1.0	0.2	30	21.7	8.1	8.1	32.5	32.5	96.3	96.3	7.0	7.0	6.6	5	5	73	73	73							
						3.6	0.2	24	21.4	8.0	8.0	32.6	32.6	94.4	94.4	6.9	6.9	7.6	8	8	75	75	75							
					3.6	0.3	25	21.4	8.0	8.0	32.6	32.6	94.4	94.4	6.9	6.9	7.6	8	8	75	75	75								
					6.2	0.2	17	21.4	8.0	8.0	32.6	32.6	93.2	93.2	6.8	6.8	7.4	9	9	74	74	74								
					6.2	0.2	17	21.4	8.0	8.0	32.6	32.6	93.2	93.2	6.8	6.8	7.4	9	9	74	74	74								
IM3	Fine	Moderate	14:25	8.1	Surface	1.0	0.1	3	21.6	21.6	8.1	8.1	32.5	32.5	95.9	95.9	7.0	7.0	10.3	4	4	74	74	74	819407	806014	<0.2	0.6	0.5	
						1.0	0.1	3	21.6	8.1	8.1	32.5	32.5	95.9	95.9	7.0	7.0	10.9	3	3	74	74	74							
						4.1	0.2	6	21.4	8.0	8.0	32.5	32.5	94.8	94.8	6.9	6.9	8.8	8	8	73	73	73							
					4.1	0.2	6	21.4	8.0	8.0	32.5	32.5	94.8	94.8	6.9	6.9	8.8	6	6	73	73	73								
					7.1	0.2	11	21.4	8.0	8.0	32.6	32.6	92.8	92.8	6.8	6.8	13.8	9	9	75	75	75								
					7.1	0.2	11	21.4	8.0	8.0	32.6	32.6	92.8	92.8	6.8	6.8	13.8	10	10	75	75	75								
IM4	Fine	Moderate	14:15	7.9	Surface	1.0	0.2	359	21.8	21.8	8.0	8.0	32.5	32.5	97.2	97.2	7.1	7.1	5.5	5	5	73	73	73	819586	805044	<0.2	0.5	0.5	
						1.0	0.2	330	21.8	8.0	8.0	32.5	32.5	97.2	97.2	7.1	7.1	5.5	4	4	73	73	73							
						4.0	0.2	10	21.7	8.0	8.0	32.6	32.6	95.8	95.8	7.0	7.0	6.8	10	10	74	74	74							
					4.0	0.2	10	21.7	8.0	8.0	32.6	32.6	95.8	95.8	7.0	7.0	6.8	11	11	75	75	75								
					6.9	0.2	12	21.5	8.0	8.0	32.6	32.6	94.9	94.9	6.9	6.9	7.3	28	28	74	74	74								
					6.9	0.3	13	21.5	8.0	8.0	32.6	32.6	94.9	94.9	6.9	6.9	7.3	28	28	75	75	75								
IM5	Fine	Moderate	13:53	7.5	Surface	1.0	0.2	6	21.6	21.6	8.0	8.0	32.6	32.6	96.2	96.2	7.0	7.0	5.5	6	6	73	73	73	820585	804945	<0.2	0.5	0.6	
						1.0	0.2	6	21.6	8.0	8.0	32.6	32.6	96.2	96.2	7.0	7.0	5.5	6	6	73	73	73							
						3.8	0.3	12	21.5	8.0	8.0	32.6	32.6	95.2	95.2	7.0	7.0	6.4	8	8	75	75	75							
					3.8	0.3	13	21.5	8.0	8.0	32.6	32.6	95.2	95.2	7.0	7.0	6.4	9	9	75	75	75								
					6.5	0.3	6	21.5	8.0	8.0	32.6	32.6	94.2	94.2	6.9	6.9	7.2	8	8	76	76	76								
					6.5	0.3	6	21.5	8.0	8.0	32.6	32.6	94.2	94.2	6.9	6.9	7.2	9	9	76	76	76								
IM6	Fine	Moderate	13:45	6.8	Surface	1.0	0.2	314	21.9	21.9	8.0	8.0	32.1	32.1	95.9	95.9	7.0	7.0	3.8	3	3	72	72	72	821050	805818	<0.2	0.9	0.8	
						1.0	0.3	319	21.9	8.0	8.0	32.1	32.1	95.9	95.9	7.0	7.0	3.8	3	3	73	73	73							
						3.4	0.2	332	21.8	8.0	8.0	32.2	32.2	95.4	95.4	6.9	6.9	4.6	3	3	73	73	73							
					3.4	0.3	344	21.8	8.0	8.0	32.2	32.2	95.4	95.4	6.9	6.9	4.6	4	4	73	73	73								
					5.8	0.2	351	21.7	8.0	8.0	32.5	32.5	94.7	94.7	6.9	6.9	5.8	5	5	74	74	74								
					5.8	0.2	323	21.7	8.0	8.0	32.5	32.5	94.7	94.7	6.9	6.9	5.8	5	5	74	74	74								
IM7	Fine	Moderate	13:34	8.3	Surface	1.0	0.2	184	21.9	21.9	8.0	8.0	31.8	31.8	95.3	95.3	6.9	6.9	4.1	4	4	73	73	73	821343	806827	<0.2	1.2	0.9	
						1.0	0.2	197	21.9	8.0	8.0	31.8	31.8	95.3	95.3	6.9	6.9	4.1	5	5	73	73	73							
						4.2	0.1	217	21.7	8.0	8.0	32.5	32.5	94.5	94.5	6.9	6.9	5.1	7	7	74	74	74							
					4.2	0.1	232	21.7	8.0	8.0	32.5	32.5	94.5	94.5	6.9	6.9	5.1	6	6	75	75	75								
					7.3	0.2	292	21.7	8.0	8.0	32.7	32.7	93.6	93.6	6.8	6.8	5.0	10	10	75	75	75								
					7.3	0.2	304	21.7	8.0	8.0	32.7	32.7	93.6	93.6	6.8	6.8	5.0	10	10	75	75	75								
IM8	Cloudy	Moderate	14:07	7.8	Surface	1.0	0.1	189	22.3	22.3	7.9	7.9	31.5	31.5	97.2	97.2	7.1	7.1	4.7	7	7	70	70	70	821718	807848	<0.2	0.8	0.8	
						1.0	0.1	203																						

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	14:17	6.8	Surface	1.0	0.1	312	22.1	7.9	7.9	32.0	32.0	98.0	98.0	7.1	7.1	2.6	7.0	4	70	70	70	822106	808802	<0.2	<0.2	1.2	0.8			
						1.0	0.1	337	22.1	7.9	7.9	32.0	32.0	98.0	98.0	7.1	7.1	2.6	7.0	5	70	70	70									
					Middle	3.4	0.2	314	22.0	7.9	7.9	31.8	31.8	97.3	97.3	7.1	7.1	3.2	6.1	3.2	5	71	71	71	72	822106	808802	<0.2	<0.2	0.6	0.8	
						3.4	0.2	316	22.0	7.9	7.9	31.8	31.8	97.3	97.3	7.1	7.1	3.2	6.1	3.2	5	71	71	71	72	822106	808802	<0.2	<0.2	0.6	0.8	
					Bottom	5.8	0.2	334	21.9	7.9	7.9	31.7	31.7	96.9	96.9	7.1	7.1	3.8	7.0	3.8	6	72	72	72	74	822106	808802	<0.2	<0.2	0.7	0.8	
						5.8	0.2	307	21.9	7.9	7.9	31.7	31.7	96.9	96.9	7.1	7.1	3.8	7.0	3.8	6	72	72	72	74	822106	808802	<0.2	<0.2	0.7	0.8	
IM10	Cloudy	Moderate	14:26	7.5	Surface	1.0	0.4	307	22.0	7.9	7.9	32.1	32.1	96.6	96.6	7.0	7.0	4.7	6	6	70	70	70	822224	809820	<0.2	<0.2	0.7	0.7			
						1.0	0.4	330	22.0	7.9	7.9	32.1	32.1	96.6	96.6	7.0	7.0	4.7	6	6	70	70	70	74	822224	809820	<0.2	<0.2	0.8	0.7		
					Middle	3.8	0.3	313	21.6	7.9	7.9	32.0	32.0	95.5	95.5	7.0	7.0	6.6	6.1	6.6	8	74	74	74	74	822224	809820	<0.2	<0.2	0.7	0.7	
						3.8	0.4	329	21.6	7.9	7.9	32.0	32.0	95.5	95.5	7.0	7.0	6.6	6.1	6.6	7	74	74	74	74	822224	809820	<0.2	<0.2	0.7	0.7	
					Bottom	6.5	0.2	297	21.5	7.9	7.9	31.7	31.7	95.3	95.3	7.0	7.0	7.1	7.0	7.1	13	76	76	76	76	822224	809820	<0.2	<0.2	0.8	0.8	
						6.5	0.3	316	21.5	7.9	7.9	31.7	31.7	95.3	95.3	7.0	7.0	7.1	7.0	7.1	12	76	76	76	76	822224	809820	<0.2	<0.2	0.7	0.7	
IM11	Cloudy	Moderate	14:38	7.3	Surface	1.0	0.3	273	22.3	7.9	7.9	31.5	31.5	95.4	95.4	6.9	7.0	3.7	8	7	71	71	71	821481	810552	<0.2	<0.2	1.0	0.8			
						1.0	0.3	276	22.3	7.9	7.9	31.5	31.5	95.4	95.4	6.9	7.0	3.7	7	7	71	71	71	74	821481	810552	<0.2	<0.2	1.2	0.8		
					Middle	3.7	0.3	287	21.9	7.9	7.9	31.4	31.4	95.4	95.4	7.0	7.0	5.4	5.3	5.4	8	74	74	74	74	821481	810552	<0.2	<0.2	0.7	0.8	
						3.7	0.3	307	21.9	7.9	7.9	31.4	31.4	95.4	95.4	7.0	7.0	5.4	5.3	5.4	9	74	74	74	74	821481	810552	<0.2	<0.2	0.7	0.8	
					Bottom	6.3	0.2	275	21.7	7.9	7.9	31.4	31.4	95.5	95.5	7.0	7.0	6.9	7.0	6.9	9	77	77	77	77	821481	810552	<0.2	<0.2	0.6	0.7	
						6.3	0.3	286	21.7	7.9	7.9	31.4	31.4	95.5	95.5	7.0	7.0	6.9	7.0	6.9	9	77	77	77	78	821481	810552	<0.2	<0.2	0.7	0.7	
IM12	Cloudy	Moderate	14:47	8.6	Surface	1.0	0.4	270	22.0	7.9	7.9	31.8	31.8	94.6	94.6	6.9	6.9	6.2	10	7	70	70	70	821135	811531	<0.2	<0.2	0.6	0.7			
						1.0	0.5	295	22.0	7.9	7.9	31.8	31.8	94.6	94.6	6.9	6.9	6.2	11	11	70	70	70	74	821135	811531	<0.2	<0.2	0.8	0.7		
					Middle	4.3	0.3	285	21.8	7.9	7.9	31.7	31.7	94.7	94.7	6.9	6.9	7.5	7.6	7.5	10	73	73	73	73	821135	811531	<0.2	<0.2	0.8	0.7	
						4.3	0.4	297	21.8	7.9	7.9	31.7	31.7	94.7	94.7	6.9	6.9	7.5	7.6	7.5	10	73	73	73	73	821135	811531	<0.2	<0.2	0.8	0.7	
					Bottom	7.6	0.2	278	21.6	7.9	7.9	31.5	31.5	94.7	94.7	7.0	7.0	9.2	7.0	9.2	9	76	76	76	76	821135	811531	<0.2	<0.2	0.7	0.7	
						7.6	0.2	296	21.6	7.9	7.9	31.5	31.5	94.7	94.7	7.0	7.0	9.2	7.0	9.2	9	76	76	76	76	821135	811531	<0.2	<0.2	0.7	0.7	
SR2	Cloudy	Moderate	15:15	4.2	Surface	1.0	0.2	45	22.4	7.9	7.9	31.2	31.2	94.8	94.8	6.9	6.9	4.1	8	8	71	71	71	821491	814137	<0.2	<0.2	0.6	0.6			
						1.0	0.2	46	22.4	7.9	7.9	31.2	31.2	94.8	94.8	6.9	6.9	4.1	8	8	71	71	71	71	821491	814137	<0.2	<0.2	0.6	0.6		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821491	814137	<0.2	<0.2	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821491	814137	<0.2	<0.2	-
					Bottom	3.2	0.1	50	22.4	7.9	7.9	31.4	31.4	95.4	95.4	6.9	6.9	4.9	6.9	4.9	8	76	76	76	76	821491	814137	<0.2	<0.2	0.6	0.6	
						3.2	0.1	52	22.4	7.9	7.9	31.4	31.4	95.4	95.4	6.9	6.9	4.9	6.9	4.9	8	76	76	76	76	821491	814137	<0.2	<0.2	0.6	0.6	
SR3	Cloudy	Moderate	14:02	8.4	Surface	1.0	0.2	187	22.2	7.8	7.8	31.1	31.1	96.4	96.4	7.0	7.0	2.6	5	-	-	-	-	822117	807557	-	-	-	-			
						1.0	0.2	201	22.2	7.8	7.8	31.1	31.1	96.4	96.4	7.0	7.0	2.6	4	-	-	-	-	-	-	822117	807557	-	-	-	-	
					Middle	4.2	0.2	279	22.2	7.9	7.9	32.1	32.1	96.3	96.3	7.0	7.0	4.8	5.1	4.8	6	-	-	-	-	822117	807557	-	-	-	-	
						4.2	0.2	290	22.2	7.9	7.9	32.1	32.1	96.3	96.3	7.0	7.0	4.8	5.1	4.8	4	-	-	-	-	822117	807557	-	-	-	-	
					Bottom	7.4	0.2	324	22.0	7.9	7.9	32.6	32.6	96.2	96.2	7.0	7.0	7.9	7.0	7.9	6	-	-	-	-	822117	807557	-	-	-	-	
						7.4	0.2	332	22.0	7.9	7.9	32.6	32.6	96.2	96.2	7.0	7.0	7.9	7.0	7.9	5	-	-	-	-	822117	807557	-	-	-	-	
SR4A	Fine	Calm	15:23	9.0	Surface	1.0	0.1	238	21.6	8.0	8.0	32.2	32.2	94.4	94.4	6.9	6.9	7.2	10	-	-	-	-	817191	807807	-	-	-	-			
						1.0	0.1	254	21.5	8.0	8.0	32.2	32.2	94.4	94.4	6.9	6.9	7.2	10	-	-	-	-	-	-	817191	807807	-	-	-	-	
					Middle	4.5	0.1	254	21.5	8.0	8.0	32.2	32.2	93.5	93.5	6.8	6.8	7.2	7.2	7.2	10	-	-	-	-	817191	807807	-	-	-	-	
						4.5	0.1	265	21.5	8.0	8.0	32.2	32.2	93.5	93.5	6.8	6.8	7.2	7.2	7.2	8	-	-	-	-	817191	807807	-	-	-	-	
					Bottom	8.0	0.1	249	21.3	8.0	8.0	32.3	32.3	92.2	92.2	6.8	6.8	7.3	6.8	7.3	9	-	-	-	-	817191	807807	-	-	-	-	
						8.0	0.1	254	21.3	8.0	8.0	32.3	32.3	92.2	92.2	6.8	6.8	7.3	6.8	7.3	9	-	-	-	-	817191	807807	-	-	-	-	
SR5A	Fine	Calm	15:42	3.2	Surface	1.0	0.1	288	21.8	8.0	8.0	32.0	32.0	95.3	95.3	7.0	7.0	8.3	7	-	-	-	-	816591	810692	-	-	-	-			
						1.0	0.1	311	21.8	8.0	8.0	32.0	32.0	95.3	95.3	7.0	7.0	8.4	9	-	-	-	-	-	-	816591	810692	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816591	810692	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816591	810692	-	-	-
					Bottom	2.2	0.1	298	21.8	8.0	8.0	32.0	32.0	93.7	93.7	6.8	6.8	10.4	6.8	10.4	8	-	-	-	-	816591	810692	-	-	-	-	
						2.2	0.1	313	21.8	8.0	8.0	32.0	32.0	93.7	93.7	6.8	6.8	10.4	6.8	10.4	9	-	-	-	-							

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	10:19	8.4	Surface	1.0	0.2	203	22.5	8.1	8.1	32.5	32.5	98.5	98.2	7.1	7.0	5	71	73	815596	804255	<0.2	1.3						
						1.0	0.2	216	22.4	8.1	8.1	32.5	32.5	97.9	98.2	7.0	8.0	5	71	73	<0.2	1.4								
						4.2	0.2	226	22.2	8.1	8.1	32.7	32.7	96.3	96.3	6.9	11.8	9	73	73	<0.2	1.2								
					Middle	4.2	0.3	242	22.2	8.1	8.1	32.7	32.7	96.2	96.3	6.9	11.6	8	73	73	<0.2	1.2								
						7.4	0.3	220	22.1	8.1	8.1	32.7	32.7	96.0	96.1	6.9	15.5	11	75	75	<0.2	0.6								
						7.4	0.3	238	22.1	8.1	8.1	32.7	32.7	96.2	96.1	7.0	15.0	13	75	75	<0.2	0.7								
C2	Cloudy	Moderate	11:02	11.3	Surface	1.0	0.6	156	22.3	7.8	7.8	29.1	29.1	93.3	93.3	6.9	4.0	6	72	74	825657	806939	<0.2	1.3						
						1.0	0.6	166	22.3	7.8	7.8	29.1	29.1	93.3	93.3	6.9	4.0	5	73	74	<0.2	1.3								
						5.7	0.5	151	22.3	7.9	7.9	31.2	31.2	93.1	93.1	6.8	6.2	5	74	74	<0.2	1.4								
					Middle	5.7	0.5	162	22.3	7.9	7.9	31.2	31.2	93.1	93.1	6.8	6.2	7	74	74	<0.2	1.5								
						10.3	0.3	143	22.3	7.9	7.9	31.6	31.6	93.4	93.4	6.8	10.7	8	75	75	<0.2	1.4								
						10.3	0.3	156	22.3	7.9	7.9	31.6	31.6	93.4	93.4	6.8	10.7	9	75	75	<0.2	1.6								
C3	Cloudy	Moderate	09:10	12.3	Surface	1.0	0.2	37	22.4	7.9	7.9	33.4	33.4	93.0	93.0	6.6	2.0	3	74	75	822129	817776	<0.2	0.4						
						1.0	0.2	37	22.4	7.9	7.9	33.4	33.4	93.0	93.0	6.6	2.0	4	73	75	<0.2	0.5								
						6.2	0.2	52	22.4	7.8	7.8	33.5	33.5	91.4	91.4	6.5	2.0	6	75	75	<0.2	0.6								
					Middle	6.2	0.2	55	22.4	7.8	7.8	33.5	33.5	91.4	91.4	6.5	2.0	4	75	75	<0.2	0.6								
						11.3	0.2	59	22.4	7.8	7.8	33.6	33.6	90.9	90.9	6.5	2.0	6	78	78	<0.2	0.6								
						11.3	0.2	63	22.4	7.8	7.8	33.6	33.6	90.9	90.9	6.5	2.0	4	77	77	<0.2	0.4								
IM1	Cloudy	Moderate	10:43	7.3	Surface	1.0	0.3	186	22.0	8.0	8.0	32.1	32.1	95.6	95.6	6.9	6.5	13	71	73	818376	806479	<0.2	1.2						
						1.0	0.3	203	22.0	8.0	8.0	32.1	32.1	95.5	95.6	6.9	6.5	13	71	73	<0.2	1.1								
						3.7	0.2	175	21.9	8.0	8.0	32.3	32.3	95.0	95.0	6.9	7.1	17	73	73	<0.2	1.5								
					Middle	3.7	0.2	180	21.9	8.0	8.0	32.3	32.3	94.9	95.0	6.9	7.3	17	73	73	<0.2	1.5								
						6.3	0.3	182	21.9	8.0	8.0	32.4	32.4	94.9	95.0	6.9	7.9	24	75	75	<0.2	0.8								
						6.3	0.3	187	21.9	8.0	8.0	32.4	32.4	95.1	95.0	6.9	7.8	23	75	75	<0.2	0.8								
IM2	Cloudy	Moderate	10:51	7.0	Surface	1.0	0.3	200	22.1	8.0	8.0	31.6	31.6	96.7	96.6	7.0	5.8	7	73	74	818849	806165	<0.2	1.2						
						1.0	0.4	200	22.1	8.0	8.0	31.6	31.6	96.5	96.6	7.0	5.9	5	73	73	<0.2	1.3								
						3.5	0.3	178	21.9	8.0	8.0	32.3	32.3	95.0	95.0	6.9	7.0	6	74	74	<0.2	1.3								
					Middle	3.5	0.4	189	21.9	8.0	8.0	32.3	32.3	94.9	95.0	6.9	7.3	7	74	74	<0.2	1.2								
						6.0	0.3	180	21.9	8.0	8.0	32.4	32.4	95.0	95.1	6.9	7.5	7	75	75	<0.2	0.8								
						6.0	0.3	181	21.9	8.0	8.0	32.4	32.4	95.1	95.1	6.9	7.4	7	75	75	<0.2	0.8								
IM3	Fine	Moderate	10:57	6.8	Surface	1.0	0.4	204	22.1	8.0	8.0	31.7	31.7	96.9	96.9	7.0	5.8	6	72	73	819405	806033	<0.2	0.7						
						1.0	0.4	214	22.1	8.0	8.0	31.7	31.7	96.8	96.9	7.0	5.8	6	72	73	<0.2	0.8								
						3.4	0.3	200	22.0	8.0	8.0	32.1	32.1	95.8	95.8	7.0	6.4	5	73	73	<0.2	0.8								
					Middle	3.4	0.4	219	22.0	8.0	8.0	32.1	32.1	95.7	95.7	7.0	6.5	7	73	73	<0.2	0.8								
						5.8	0.3	192	21.9	8.0	8.0	32.3	32.3	95.7	95.9	7.0	7.0	11	75	75	<0.2	0.8								
						5.8	0.4	195	21.9	8.0	8.0	32.3	32.3	96.1	96.1	7.0	6.7	12	75	75	<0.2	0.8								
IM4	Fine	Moderate	11:05	7.4	Surface	1.0	0.4	186	22.1	8.0	8.0	31.6	31.6	96.7	96.7	7.0	6.2	9	72	74	819553	805024	<0.2	0.7						
						1.0	0.4	203	22.1	8.0	8.0	31.6	31.6	96.6	96.6	7.0	6.2	7	72	73	<0.2	0.7								
						3.7	0.3	171	21.9	8.0	8.0	32.2	32.2	95.0	95.0	6.9	7.9	7	73	73	<0.2	0.6								
					Middle	3.7	0.3	173	21.9	8.0	8.0	32.2	32.2	95.0	95.0	6.9	7.9	9	73	73	<0.2	0.6								
						6.4	0.2	165	21.9	8.0	8.0	32.4	32.4	94.9	94.9	6.9	8.3	9	75	75	<0.2	0.9								
						6.4	0.2	179	21.9	8.0	8.0	32.4	32.4	94.9	94.9	6.9	8.5	11	76	76	<0.2	0.8								
IM5	Fine	Moderate	11:15	6.4	Surface	1.0	0.4	191	22.1	8.0	8.0	31.7	31.7	96.9	96.8	7.0	5.9	7	72	73	820557	804928	<0.2	1.3						
						1.0	0.4	196	22.1	8.0	8.0	31.7	31.7	96.7	96.8	7.0	6.0	6	72	73	<0.2	1.2								
						3.2	0.4	187	22.0	8.0	8.0	31.8	31.8	95.9	95.9	7.0	7.0	5	73	73	<0.2	1.2								
					Middle	3.2	0.4	204	22.0	8.0	8.0	31.8	31.8	95.9	95.9	7.0	7.0	6	73	73	<0.2	1.2								
						5.4	0.2	177	21.9	8.0	8.0	32.0	32.0	95.9	96.1	7.0	8.0	6	75	75	<0.2	1.6								
						5.4	0.3	178	21.9	8.0	8.0	32.0	32.0	96.2	96.1	7.0	8.0	7	75	75	<0.2	1.4								
IM6	Fine	Moderate	11:21	6.4	Surface	1.0	0.5	244	22.1	8.0	8.0	31.3	31.3	96.2	96.2	7.0	6.3	5	71	73	821081	805832	<0.2	1.3						
						1.0	0.5	247	22.1	8.0	8.0	31.2	31.3	96.2	96.2	7.0	6.3	6	72	73	<0.2	1.3								
						3.2	0.3	234	22.1	8.0	8.0	31.3	31.3	96.2	96.3	7.0	7.0	6	73	73	<0.2	1.2								
					Middle	3.2	0.3	255	22.1	8.0	8.0	31.4	31.3	96.3	96.3	7.0	7.1	6	73	73	<0.2	1.3								
						5.4	0.3	226	22.0	8.0	8.0	31.7	31.7	96.4	96.5	7.0	9.5	6	75	75	<0.2	1.1								
						5.4	0.3	241	22.0	8.0	8.0	31.7	31.7	96.5	96.5	7.0	9.9	6	76	76	<0.2	1.0								
IM7	Fine	Moderate	11:28	7.7	Surface	1.0	0.4	234	22.1	8.0	8.0	31.0	31.0	95.4	95.4	7.0	4.1	4	71	73	821342	806854	<0.2	1.3						
						1.0	0.4	257	22.1	8.0	8.0	31.0	31.0	95.3	95.3	7.0	4.2	3	71	73	<0.2	1.3								
						3.9	0.3	239	22.0	8.0	8.0	31.6	31.5	95.2	95.3	6.9	5.9	6	73	73	<0.2	1.3								
					Middle	3.9	0.3	253	22.0	8.0	8.0	31.5	31.5	95.3	95.3	6.9	6.1	4	73	73	<0.2	1.5								
						6.7	0.3	250	21.9	8.0	8.0	31.8	31.8	96.2	96.4	7.0	7.9	5	75	75	<0.2	1.3								
						6.7	0.3	271	21.9	8.0	8.0	31.8	31.8	96.6	96.4	7.0	7.9	5	75	75	<0.2	1.1								
IM8	Cloudy	Moderate	10:35	7.8	Surface	1.0	0.2	198	22.4	7.9	7.9	31.6	31.6	95.0	95.0	6.9	3.8	5	73	75	821720	807829	<0.2	1.1						
						1.0	0.2	207	22.4	7.9	7.9	31.6	31.6	95.0	95.0	6.9	3.8	5	73	75	<0.2	1.2								
						3.9	0.2	169	22.3	7.9	7.9	32.0	32.0	94.5	94.5	6.8	5.2	4	75	75	<0.2	1.2								
					Middle	3.9	0.2	185	22.3	7.9	7.9	32.0	32.0	94.5	94.5	6.8	5.3	5	75	75	<0.2	1.2								
						6.8	0.1	148	22.2	7.9																				

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

Water Quality Monitoring

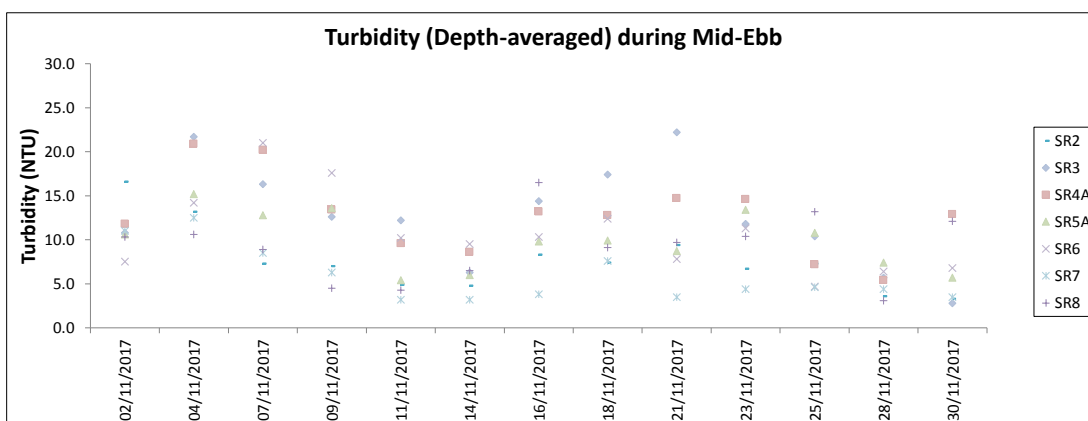
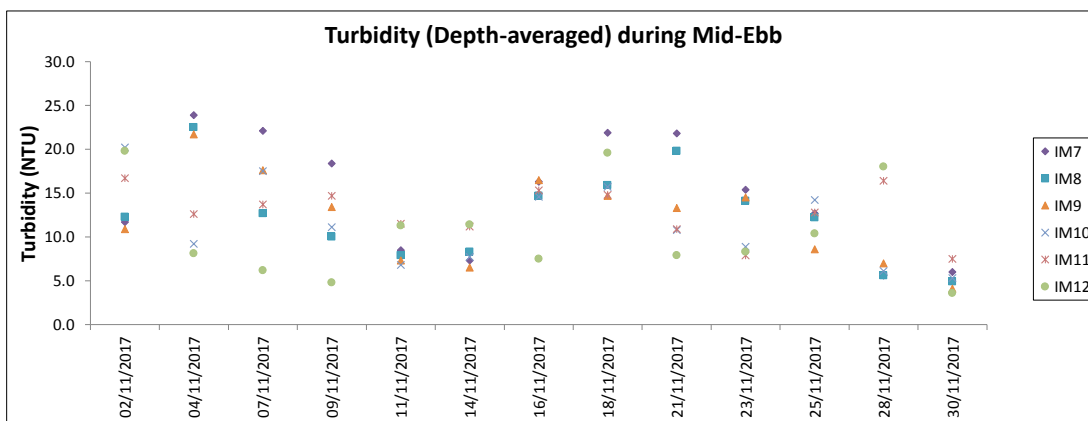
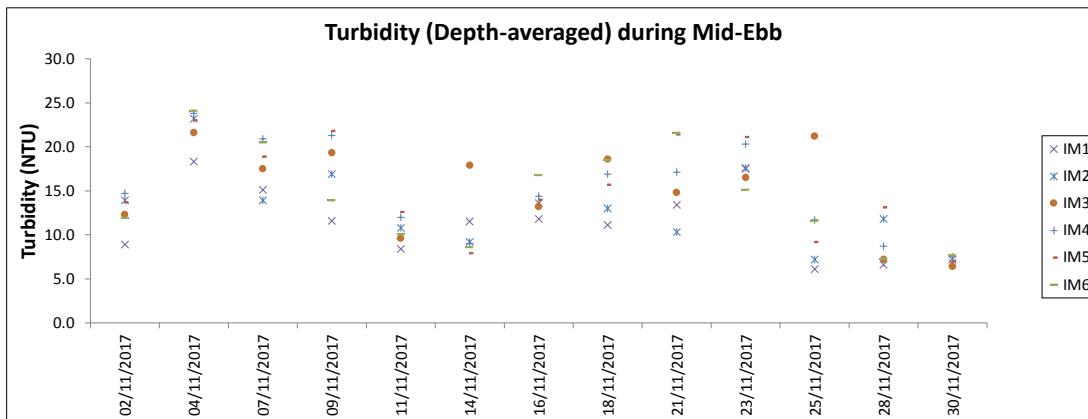
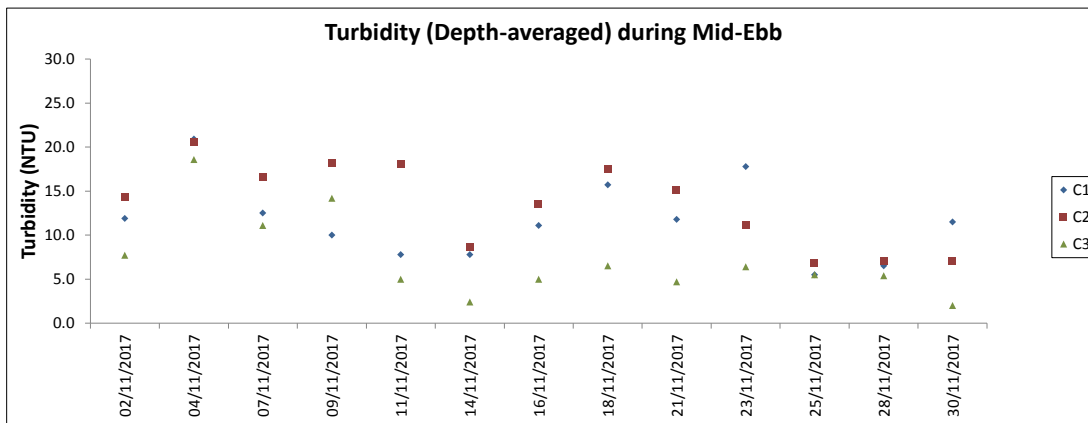
Water Quality Monitoring Results on 30 November 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	15:42	8.5	Surface	1.0	0.4	27	22.4	8.1	8.1	32.6	32.6	97.9	97.6	7.0	7.0	7.5	7.0	3	3	73	73	815634	804235	<0.2	0.7	0.8		
						1.0	0.5	28	22.4	8.1	8.1	32.6	32.6	97.3	97.6	7.0	7.0	7.6	7.0	4	3	73	73	<0.2	0.8					
						4.3	0.4	33	22.1	8.1	8.0	32.7	32.7	95.8	95.7	6.9	6.9	13.2	13.1	4	4	75	75	<0.2	0.7					
					4.3	0.4	35	22.1	8.0	8.0	32.7	32.7	95.5	95.7	6.9	6.9	13.1	13.1	5	5	75	75	<0.2	0.7						
					7.5	0.3	33	22.1	8.0	8.0	32.7	32.7	95.5	95.6	6.9	6.9	16.3	16.3	4	4	77	77	<0.2	0.8						
					7.5	0.3	33	22.1	8.0	8.0	32.7	32.7	95.7	95.6	6.9	6.9	16.6	16.6	5	5	77	77	<0.2	0.8						
C2	Cloudy	Moderate	14:39	10.2	Surface	1.0	0.3	172	22.3	22.3	7.8	7.8	28.2	28.2	82.2	92.2	6.8	6.8	4.9	4.9	3	3	72	72	<0.2	3.2	3.2			
						1.0	0.3	181	22.3	7.8	7.8	28.3	28.3	82.2	92.2	6.8	6.8	4.8	4.8	3	3	72	72	<0.2	3.2					
						5.1	0.1	211	22.5	22.5	7.8	7.8	30.2	30.2	92.4	92.4	6.7	6.7	8.2	8.2	3	3	73	73	<0.2	3.1				
					5.1	0.1	212	22.5	22.5	7.8	7.8	30.2	30.2	92.4	92.4	6.7	6.7	8.2	8.2	2	2	73	73	<0.2	2.9					
					9.2	0.2	309	22.3	22.3	7.9	7.9	30.9	30.9	92.3	92.3	6.7	6.7	9.1	9.1	3	3	74	74	<0.2	3.3					
					9.2	0.2	311	22.3	22.3	7.9	7.9	30.9	30.9	92.3	92.3	6.7	6.7	9.1	9.1	3	3	74	74	<0.2	3.4					
C3	Cloudy	Moderate	16:34	12.1	Surface	1.0	0.5	269	22.6	22.6	7.9	7.9	31.2	31.2	91.0	91.0	6.6	6.6	4.6	4.6	3	3	73	73	<0.2	0.7	0.9			
						1.0	0.5	276	22.6	22.6	7.9	7.9	31.2	31.2	90.9	91.0	6.6	6.6	4.6	4.6	4	4	73	73	<0.2	0.8				
						6.1	0.5	267	22.5	22.5	7.9	7.9	31.4	31.4	90.0	90.0	6.5	6.5	9.7	9.7	2	2	75	75	<0.2	0.9				
					6.1	0.5	290	22.5	22.5	7.9	7.9	31.4	31.4	90.0	90.0	6.5	6.5	9.7	9.7	2	2	75	75	<0.2	0.7					
					11.1	0.4	269	22.5	22.5	7.9	7.9	31.5	31.5	90.8	90.8	6.6	6.6	14.4	14.4	2	2	76	76	<0.2	1.1					
					11.1	0.4	271	22.5	22.5	7.9	7.9	31.5	31.5	90.8	90.8	6.6	6.6	14.4	14.4	4	4	77	77	<0.2	1.1					
IM1	Cloudy	Moderate	15:23	7.1	Surface	1.0	0.3	4	22.2	22.2	8.1	8.1	32.0	32.0	97.2	97.2	7.0	7.0	7.4	7.4	7	7	72	72	<0.2	1.5	1.0			
						1.0	0.3	4	22.3	22.3	8.1	8.1	32.0	32.0	97.1	97.2	7.0	7.0	7.9	7.9	7	7	72	72	<0.2	0.9				
						3.6	0.3	347	22.3	22.3	8.1	8.1	32.3	32.3	96.6	96.6	7.0	7.0	10.3	10.3	6	6	75	75	<0.2	1.0				
					3.6	0.4	319	22.3	22.3	8.1	8.1	32.3	32.3	96.6	96.6	7.0	7.0	10.3	10.3	7	7	75	75	<0.2	0.8					
					6.1	0.4	338	22.3	22.3	8.0	8.0	32.5	32.5	95.3	95.5	6.9	6.9	16.3	16.3	6	6	76	76	<0.2	0.8					
					6.1	0.4	356	22.3	22.3	8.0	8.0	32.5	32.5	95.6	95.5	6.9	6.9	16.3	16.3	8	8	76	76	<0.2	0.9					
IM2	Cloudy	Moderate	15:18	8.0	Surface	1.0	0.0	20	22.4	22.4	8.1	8.1	31.4	31.4	97.7	97.6	7.1	7.1	6.6	6.6	5	5	72	72	<0.2	1.3	1.4			
						1.0	0.0	21	22.4	22.4	8.1	8.1	31.5	31.5	97.5	97.6	7.1	7.1	6.5	6.5	6	6	72	72	<0.2	1.2				
						4.0	0.2	27	22.3	22.3	8.1	8.1	32.1	32.1	96.3	96.3	7.0	7.0	7.1	7.1	7	7	75	75	<0.2	1.6				
					4.0	0.2	28	22.3	22.3	8.1	8.1	32.1	32.1	96.2	96.3	7.0	7.0	7.2	7.2	7	7	75	75	<0.2	1.3					
					7.0	0.2	22	22.2	22.2	8.1	8.1	32.2	32.2	95.7	95.7	6.9	6.9	7.1	7.1	8	8	78	78	<0.2	1.3					
					7.0	0.2	24	22.2	22.2	8.1	8.1	32.2	32.2	95.7	95.7	6.9	6.9	7.2	7.2	9	9	78	78	<0.2	1.4					
IM3	Cloudy	Moderate	15:11	8.1	Surface	1.0	0.1	220	22.2	22.2	8.1	8.1	31.1	31.1	97.3	97.3	7.1	7.1	6.6	6.6	5	5	73	73	<0.2	2.0	1.5			
						1.0	0.1	238	22.2	22.2	8.1	8.1	31.1	31.1	97.2	97.3	7.1	7.1	6.7	6.7	6	6	74	74	<0.2	1.7				
						4.1	0.0	285	22.2	22.2	8.1	8.1	31.7	31.7	96.5	96.5	7.0	7.0	8.7	8.7	7	7	75	75	<0.2	1.6				
					4.1	0.0	305	22.2	22.2	8.1	8.1	31.7	31.7	96.4	96.4	7.0	7.0	9.0	9.0	7	7	75	75	<0.2	1.2					
					7.1	0.1	257	22.2	22.2	8.1	8.1	32.1	32.1	95.9	95.9	6.9	6.9	10.2	10.2	8	8	77	77	<0.2	1.4					
					7.1	0.1	282	22.2	22.2	8.1	8.1	32.1	32.1	95.9	95.9	6.9	6.9	10.5	10.5	7	7	77	77	<0.2	1.3					
IM4	Cloudy	Moderate	15:04	7.4	Surface	1.0	0.2	293	22.2	22.2	8.0	8.0	31.1	31.1	96.5	96.4	7.0	7.0	6.3	6.3	4	4	73	73	<0.2	1.6	1.4			
						1.0	0.2	296	22.2	22.2	8.0	8.0	31.1	31.1	96.3	96.4	7.0	7.0	6.5	6.5	3	3	73	73	<0.2	1.5				
						3.7	0.2	317	22.0	22.0	8.0	8.0	31.5	31.5	95.1	95.1	6.9	6.9	9.4	9.4	6	6	75	75	<0.2	1.3				
					3.7	0.2	330	22.0	22.0	8.0	8.0	31.5	31.5	95.1	95.1	6.9	6.9	9.4	9.4	7	7	75	75	<0.2	1.2					
					6.4	0.3	345	22.0	22.0	8.0	8.0	31.8	31.8	94.9	94.9	6.9	6.9	11.1	11.1	7	7	77	77	<0.2	1.5					
					6.4	0.3	351	22.0	22.0	8.0	8.0	31.8	31.8	95.0	95.0	6.9	6.9	11.3	11.3	9	9	77	77	<0.2	1.5					
IM5	Cloudy	Moderate	14:55	6.5	Surface	1.0	0.4	308	22.4	22.4	8.0	8.0	30.4	30.4	97.2	97.2	7.1	7.1	3.9	3.9	2	2	73	73	<0.2	2.2	2.0			
						1.0	0.5	332	22.4	22.4	8.0	8.0	30.4	30.4	97.1	97.2	7.1	7.1	4.0	4.0	2	2	73	73	<0.2	2.1				
						3.3	0.4	314	22.3	22.3	8.0	8.0	30.6	30.6	96.4	96.4	7.0	7.0	5.5	5.5	3	3	75	75	<0.2	2.0				
					3.3	0.4	320	22.3	22.3	8.0	8.0	30.6	30.6	96.3	96.4	7.0	7.0	5.7	5.7	4	4	75	75	<0.2	1.9					
					5.5	0.3	330	22.2	22.2	8.0	8.0	30.9	30.9	95.7	95.7	7.0	7.0	7.9	7.9	5	5	76	76	<0.2	2.1					
					5.5	0.3	339	22.2	22.2	8.0	8.0	30.9	30.9	95.8	95.8	7.0	7.0	8.1	8.1	4	4	76	76	<0.2	1.9					
IM6	Cloudy	Moderate	14:47	6.3	Surface	1.0	0.4	285	22.3	22.3	8.0	8.0	30.3	30.4	96.1	96.1	7.0	7.0	4.6	4.6	4	4	71	71	<0.2	2.1	2.0			
						1.0	0.4	311	22.3	22.3	8.0	8.0	30.4	30.4	96.0	96.1	7.0	7.0	4.8	4.8	2	2	71	71	<0.2	1.9				
						3.2	0.3	303	22.1	22.1	8.0	8.0	31.2	31.1	94.5	94.5	6.9	6.9	13.3	13.3	7	7	73	73	<0.2	2.1				
					3.2	0.3	331	22.1	22.1	8.0	8.0	31.1	31.1	94.5	94.5	6.9	6.9	13.4	13.4	5	5	74	74	<0.2	2.3					
					5.3	0.3	324	22.1	22.1	8.0	8.0	31.3	31.3	94.5	94.5	6.9	6.9	19.3	19.3	10	10	77	77	<0.2	1.6					
					5.3	0.3	341	22.1	22.1	8.0	8.0	31.3	31.3	94.5	94.5	6.9	6.9	19.3	19.3	9	9	77	77	<0.2	1.8					
IM7	Cloudy	Moderate	14:37	7.7	Surface	1.0	0.4	217	22.4	22.4	8.0	8.0	29.9	29.9	95.8	95.7	7.0	7.0	4.1	4.1</										

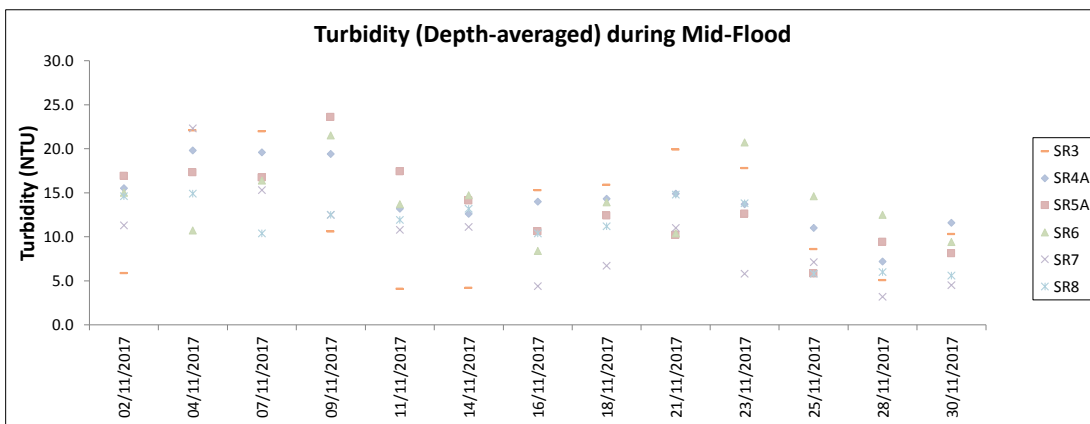
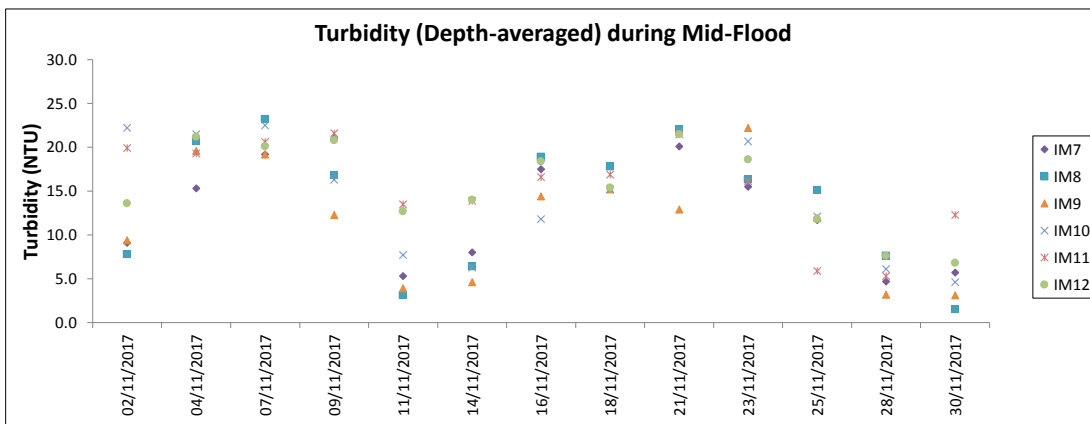
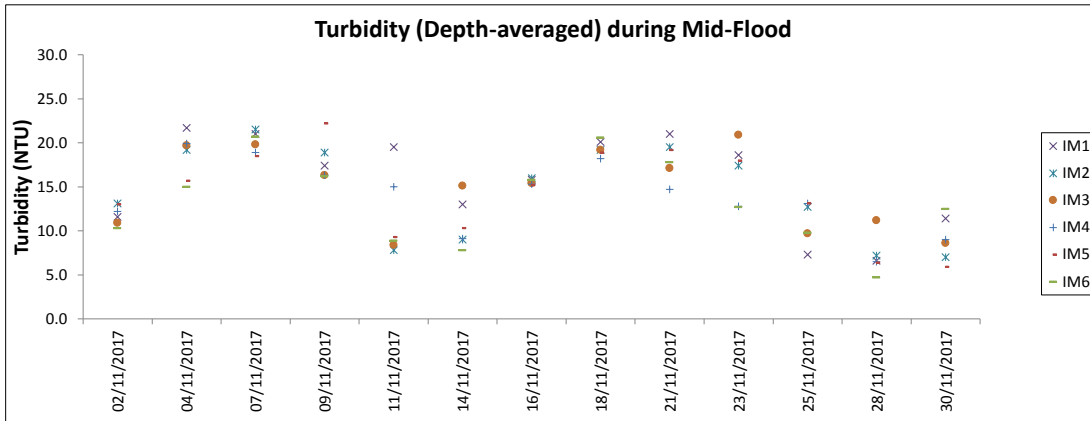
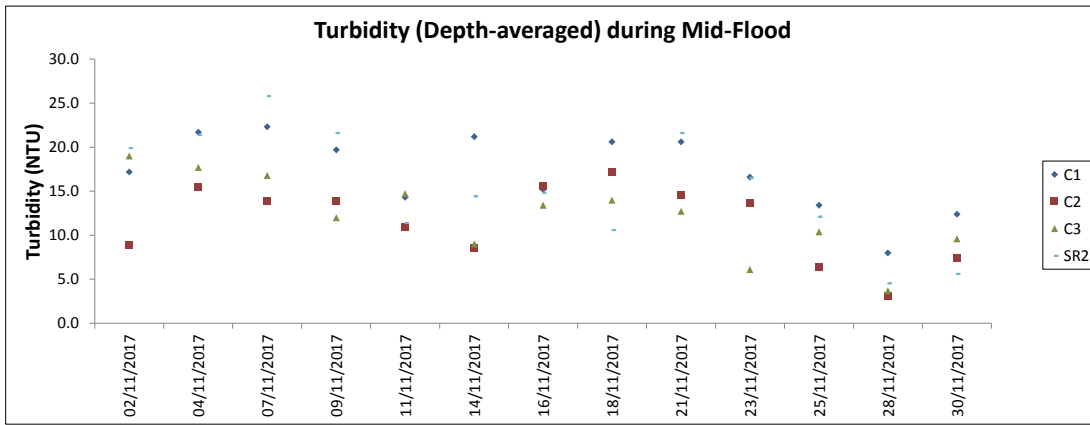
**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

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

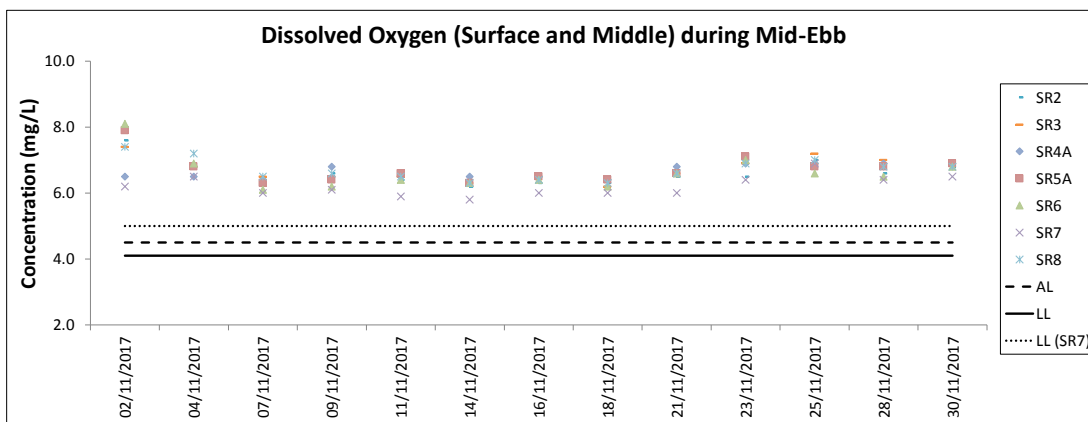
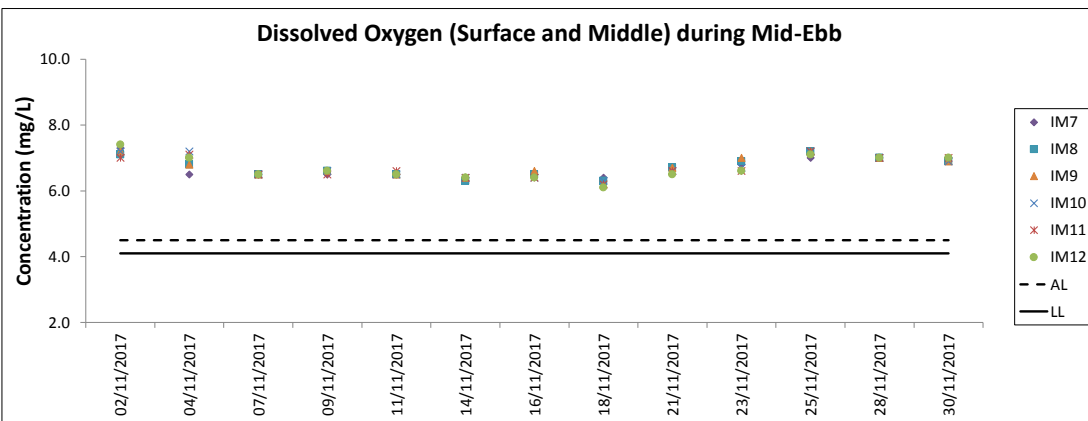
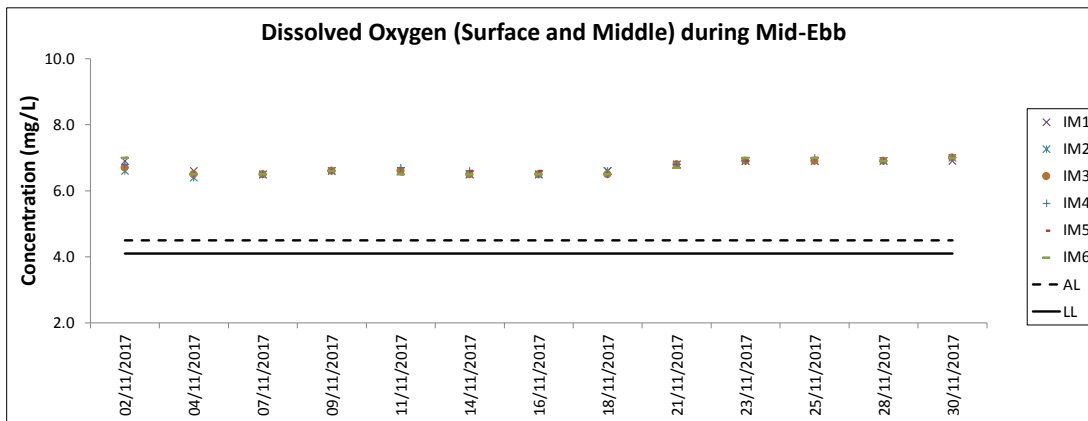
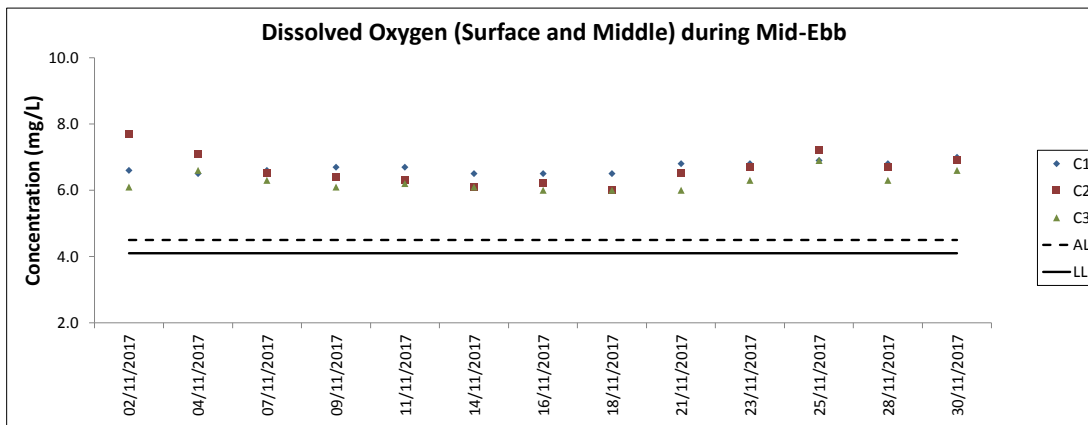
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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		
IM9	Cloudy	Moderate	15:13	6.9	Surface	1.0	0.3	272	22.6	7.9	7.9	31.2	31.2	96.5	96.5	7.0	7.0	1.7	3.1	3	4	73	74	822111	808781	<0.2	1.4	<0.2	1.4			
						1.0	0.4	293	22.6	7.9	7.9	31.2	31.2	96.5	96.5	7.0	7.0	1.7	3.1	3	4	73	74	822111	808781	<0.2	1.4	<0.2	1.4			
						3.5	0.2	260	22.5	7.9	7.9	31.3	31.3	95.9	95.9	6.9	6.9	3.3	3.1	4	4	73	74	822111	808781	<0.2	1.5	<0.2	1.5			
					3.5	0.3	284	22.5	7.9	7.9	31.3	31.3	95.9	95.9	6.9	6.9	3.3	3.1	3	4	74	75	822111	808781	<0.2	1.3	<0.2	1.3				
					5.9	0.2	278	22.4	7.9	7.9	31.4	31.4	95.8	95.8	6.9	6.9	4.2	6.9	4	4	75	75	822111	808781	<0.2	1.5	<0.2	1.5				
					5.9	0.2	298	22.4	7.9	7.9	31.4	31.4	95.8	95.8	6.9	6.9	4.2	6.9	4	4	75	75	822111	808781	<0.2	1.5	<0.2	1.5				
IM10	Cloudy	Moderate	15:22	6.3	Surface	1.0	0.6	292	22.6	7.9	7.9	31.5	31.5	96.5	96.5	7.0	7.0	2.6	4.6	4	5	73	75	822256	809860	<0.2	1.4	<0.2	1.4			
						1.0	0.6	301	22.6	7.9	7.9	31.5	31.5	96.5	96.5	7.0	7.0	2.6	4.6	3	5	73	75	822256	809860	<0.2	1.6	<0.2	1.6			
						3.2	0.4	292	22.4	7.9	7.9	31.6	31.6	96.0	96.0	6.9	6.9	4.5	4.6	4	5	75	75	822256	809860	<0.2	1.4	<0.2	1.4			
					3.2	0.4	304	22.4	7.9	7.9	31.6	31.6	96.0	96.0	6.9	6.9	4.5	4.6	5	5	75	75	822256	809860	<0.2	1.6	<0.2	1.6				
					5.3	0.4	287	22.4	7.9	7.9	31.7	31.7	96.1	96.1	6.9	6.9	6.8	6.9	6	6	76	76	822256	809860	<0.2	1.4	<0.2	1.4				
					5.3	0.4	300	22.4	7.9	7.9	31.7	31.7	96.1	96.1	6.9	6.9	6.8	6.9	6	6	76	76	822256	809860	<0.2	1.2	<0.2	1.2				
IM11	Cloudy	Moderate	15:34	7.7	Surface	1.0	0.5	264	22.5	8.0	8.0	31.5	31.5	97.2	97.2	7.0	7.0	8.4	12.3	4	5	73	75	821501	810563	<0.2	1.9	<0.2	1.9			
						1.0	0.5	268	22.5	8.0	8.0	31.5	31.5	97.2	97.2	7.0	7.0	8.4	12.3	5	5	73	74	821501	810563	<0.2	2.0	<0.2	2.0			
						3.9	0.5	268	22.4	8.0	8.0	31.7	31.7	96.7	96.7	7.0	7.0	13.9	12.3	4	5	74	75	821501	810563	<0.2	1.9	<0.2	1.9			
					3.9	0.5	271	22.4	8.0	8.0	31.7	31.7	96.7	96.7	7.0	7.0	13.9	12.3	4	5	75	75	821501	810563	<0.2	1.9	<0.2	1.9				
					6.7	0.3	272	22.4	8.0	8.0	31.8	31.8	96.4	96.4	7.0	7.0	14.6	12.3	6	5	76	76	821501	810563	<0.2	1.9	<0.2	1.9				
					6.7	0.4	297	22.4	8.0	8.0	31.8	31.8	96.4	96.4	7.0	7.0	14.6	12.3	7	5	77	77	821501	810563	<0.2	1.8	<0.2	1.8				
IM12	Cloudy	Moderate	15:43	8.5	Surface	1.0	0.5	253	22.7	8.0	8.0	31.5	31.5	99.2	99.3	7.1	7.0	3.0	6.8	4	5	73	74	821145	811528	<0.2	1.6	<0.2	1.6			
						1.0	0.5	269	22.7	8.0	8.0	31.5	31.5	99.2	99.3	7.1	7.0	3.0	6.8	5	5	73	75	821145	811528	<0.2	1.6	<0.2	1.6			
						4.3	0.5	256	22.4	8.0	8.0	31.9	31.9	96.1	96.1	6.9	6.9	8.4	6.8	5	5	75	74	821145	811528	<0.2	1.8	<0.2	1.8			
					4.3	0.5	264	22.4	8.0	8.0	31.9	31.9	96.1	96.1	6.9	6.9	8.4	6.8	4	5	74	75	821145	811528	<0.2	2.0	<0.2	2.0				
					7.5	0.4	261	22.5	7.9	7.9	32.1	32.1	96.8	96.8	7.0	7.0	9.0	6.8	6	5	75	76	821145	811528	<0.2	2.1	<0.2	2.1				
					7.5	0.4	286	22.5	7.9	7.9	32.1	32.1	96.8	96.8	7.0	7.0	9.0	6.8	6	5	76	76	821145	811528	<0.2	1.9	<0.2	1.9				
SR2	Cloudy	Moderate	16:09	4.4	Surface	1.0	0.1	86	22.5	7.9	7.9	31.2	31.2	96.6	96.6	7.0	7.0	5.0	5.6	6	7	74	75	821477	814145	<0.2	1.2	<0.2	1.2			
						1.0	0.1	92	22.5	7.9	7.9	31.2	31.2	96.6	96.6	7.0	7.0	5.0	5.6	6	7	74	75	821477	814145	<0.2	1.2	<0.2	1.2			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.4	0.1	101	22.5	7.9	7.9	31.5	31.5	96.3	96.3	7.0	7.0	6.2	5.6	9	7	76	76	821477	814145	<0.2	1.4	<0.2	1.4				
					3.4	0.1	102	22.5	7.9	7.9	31.5	31.5	96.3	96.3	7.0	7.0	6.2	5.6	7	7	76	76	821477	814145	<0.2	1.4	<0.2	1.4				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SR3	Cloudy	Moderate	14:59	8.2	Surface	1.0	0.2	228	22.7	7.9	7.9	29.4	29.4	95.2	95.2	6.9	6.9	5.0	10.3	4	6	-	-	822126	807551	-	-	-	-			
						1.0	0.2	231	22.7	7.9	7.9	29.4	29.4	95.2	95.2	6.9	6.9	5.0	10.3	4	6	-	-	-	-	822126	807551	-	-	-	-	
						4.1	0.2	245	22.4	7.9	7.9	30.3	30.3	94.4	94.4	6.9	6.9	9.9	10.3	5	6	-	-	-	-	822126	807551	-	-	-	-	
					4.1	0.2	252	22.4	7.9	7.9	30.3	30.3	94.4	94.4	6.9	6.9	9.9	10.3	4	6	-	-	-	-	822126	807551	-	-	-	-		
					7.2	0.1	276	22.3	7.9	7.9	31.1	31.1	94.6	94.6	6.9	6.9	16.0	10.3	10	6	-	-	-	-	-	-	822126	807551	-	-	-	-
					7.2	0.2	292	22.3	7.9	7.9	31.1	31.1	94.6	94.6	6.9	6.9	16.0	10.3	8	6	-	-	-	-	-	-	822126	807551	-	-	-	-
SR4A	Cloudy	Calm	16:02	8.8	Surface	1.0	0.2	253	22.5	8.0	8.0	32.4	32.4	95.8	95.8	6.9	6.9	10.0	11.6	12	13	-	-	817180	807812	-	-	-	-			
						1.0	0.2	269	22.5	8.0	8.0	32.4	32.4	95.7	95.7	6.9	6.9	9.9	11.6	13	13	-	-	-	-	817180	807812	-	-	-	-	
						4.4	0.2	267	22.5	8.0	8.0	32.4	32.4	95.5	95.5	6.9	6.9	11.5	11.6	13	13	-	-	-	-	817180	807812	-	-	-	-	
					4.4	0.2	274	22.5	8.0	8.0	32.4	32.4	95.5	95.5	6.9	6.9	11.8	11.6	14	13	-	-	-	-	817180	807812	-	-	-	-		
					7.8	0.1	271	22.5	8.0	8.0	32.4	32.4	95.4	95.4	6.9	6.9	13.3	11.6	12	13	-	-	-	-	817180	807812	-	-	-	-		
					7.8	0.2	285	22.5	8.0	8.0	32.4	32.4	95.4	95.4	6.9	6.9	13.2	11.6	12	13	-	-	-	-	817180	807812	-	-	-	-		
SR5A	Cloudy	Calm	16:20	3.9	Surface	1.0	0.2	276	22.6	8.0	8.0	32.2	32.2	97.1	97.1	7.0	7.0	8.5	8.1	9	9	-	-	816580	810677	-	-	-	-			
						1.0	0.2	278	22.6	8.0	8.0	32.2	32.2	97.0	97.0	7.0	7.0	8.8	8.1	8	9	-	-	-	-	816580	810677	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					2.9	0.2	282	22.6	8.0	8.0	32.2	32.2	96.7	96.7	6.9	6.9	7.6	8.1	9	9	-	-	-	-	816580	810677	-	-	-	-		
					2.9	0.2	286	22.6	8.0	8.0	32.2	32.2	96.5	96.5	6.9	6.9	7.5	8.1	9	9	-	-	-	-	816580	810677	-	-	-	-		
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SR6	Cloudy	Calm	16:45	3.8	Surface	1.0	0.1	234	22.3	8.1	8.1	32.1	32.1	96.1	96.1	6.9	6.9	8.7	9.4	8	9	-	-	817924	814671	-	-	-	-			
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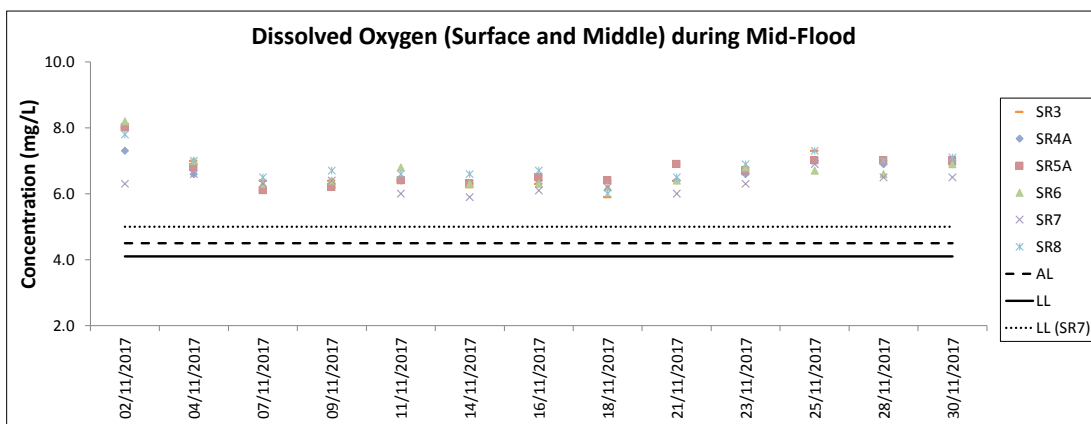
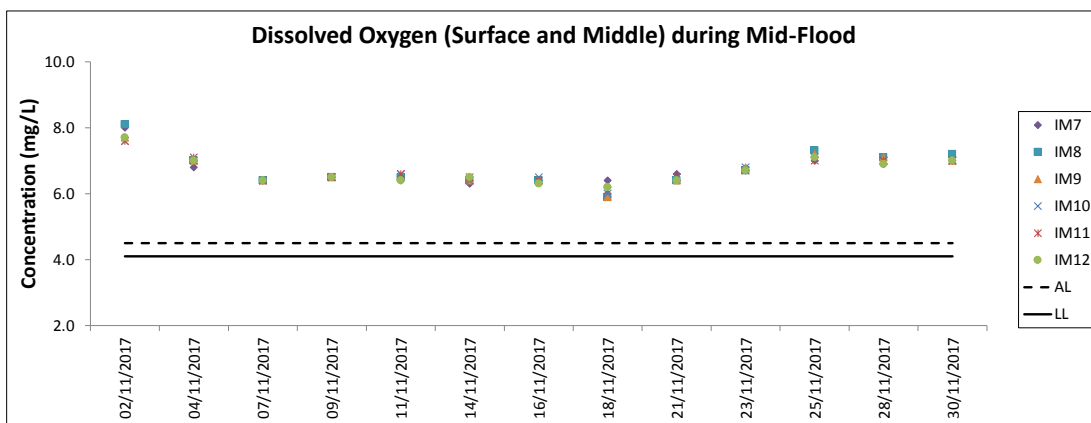
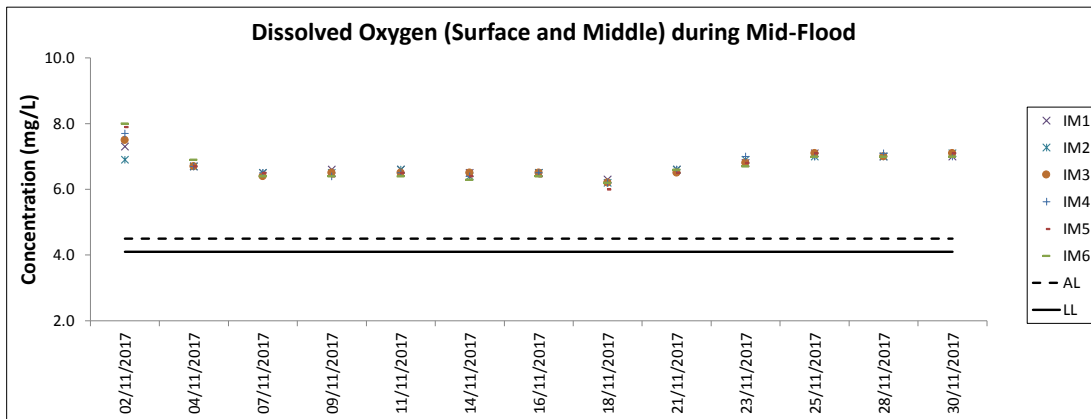
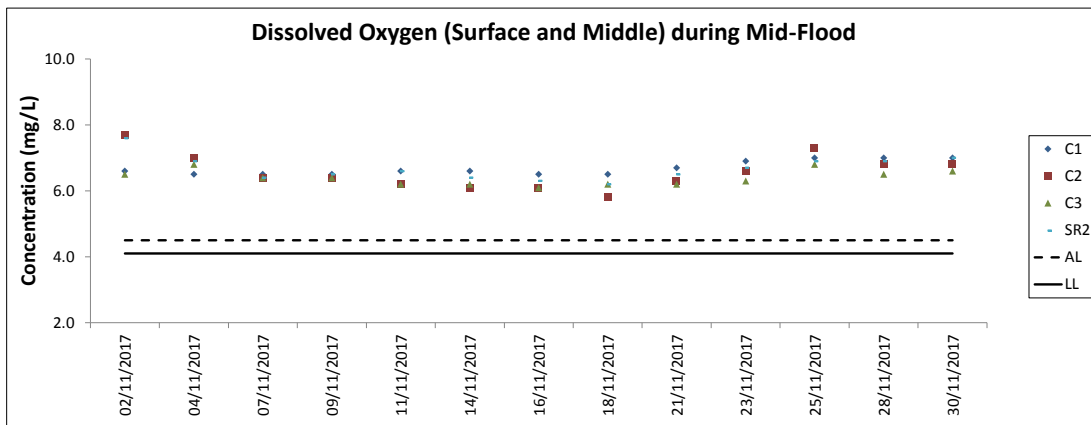


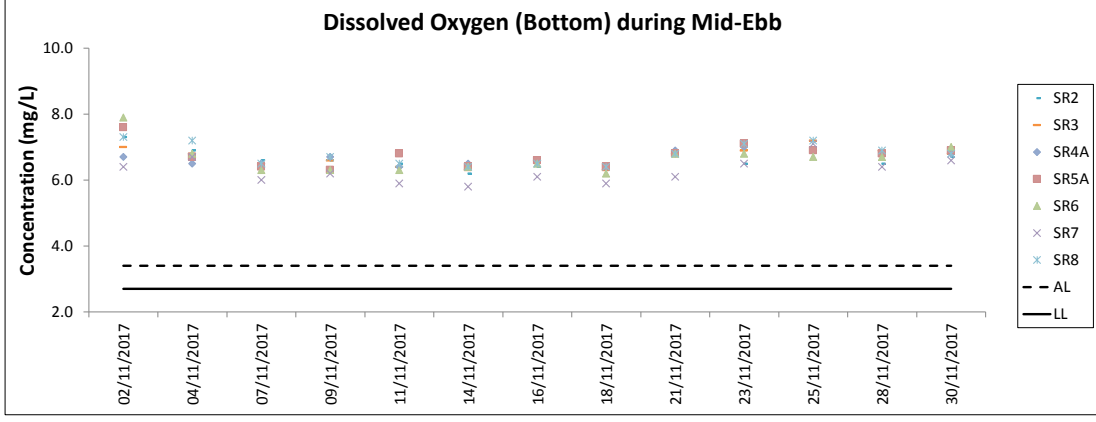
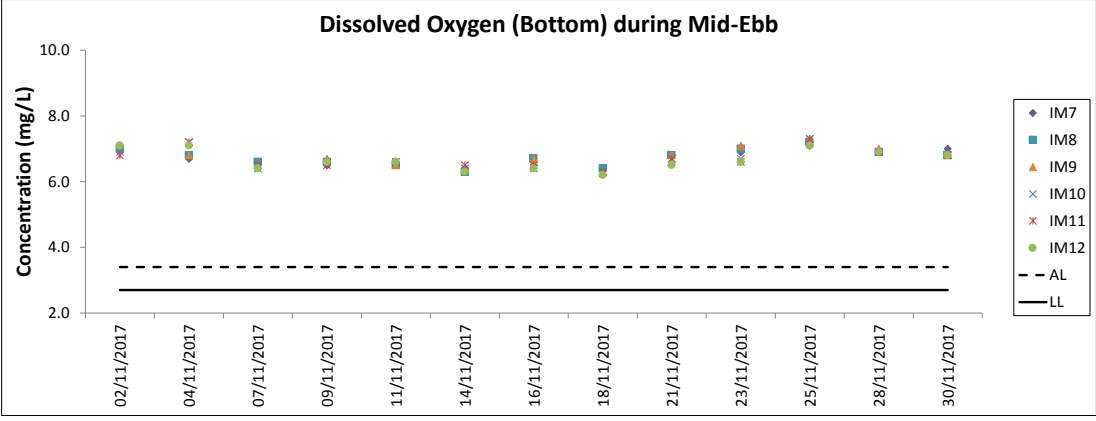
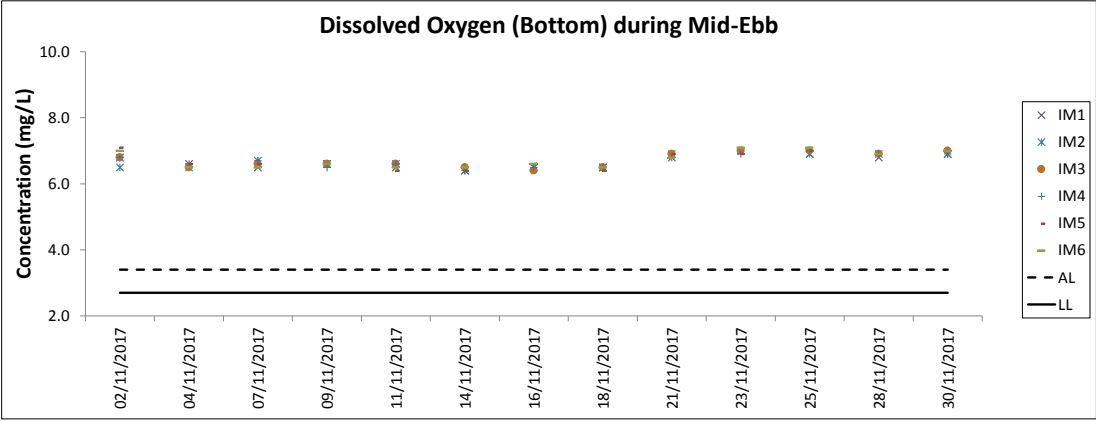
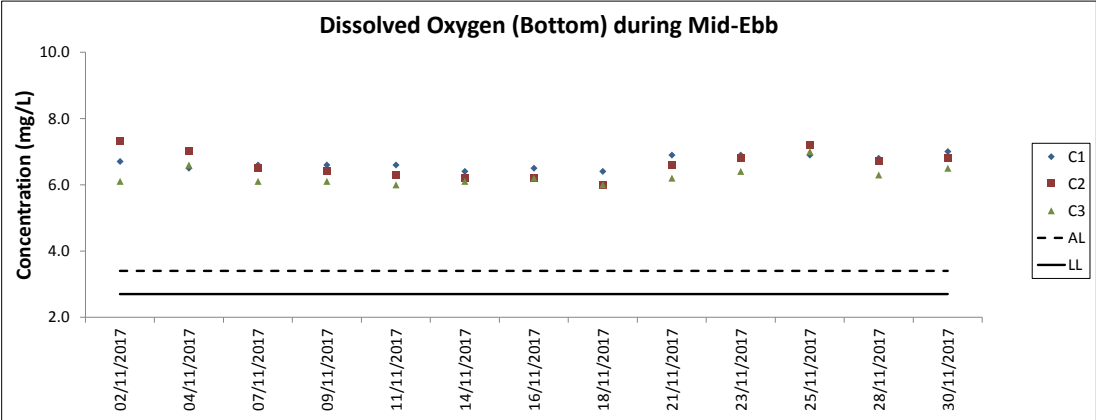
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

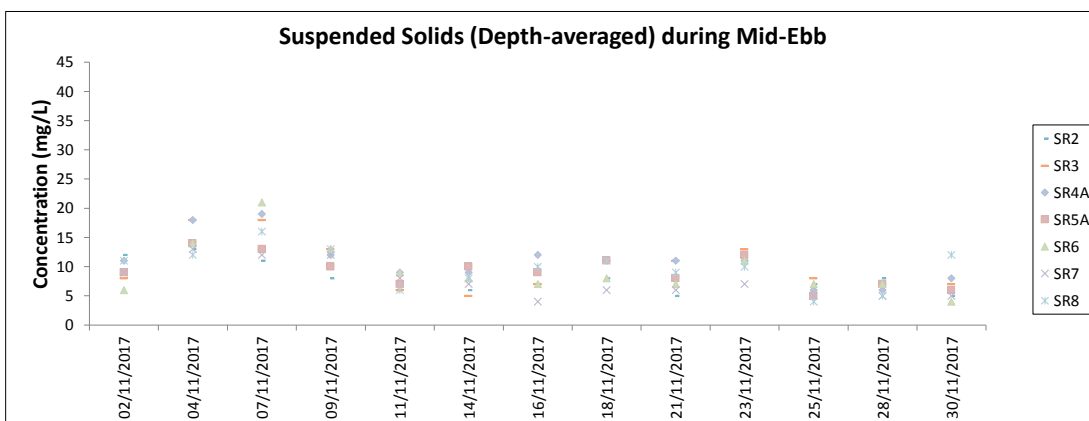
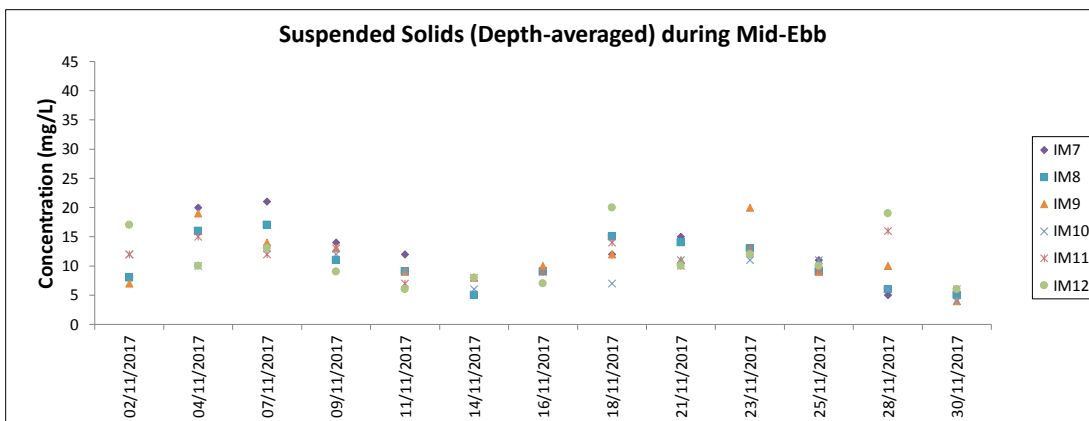
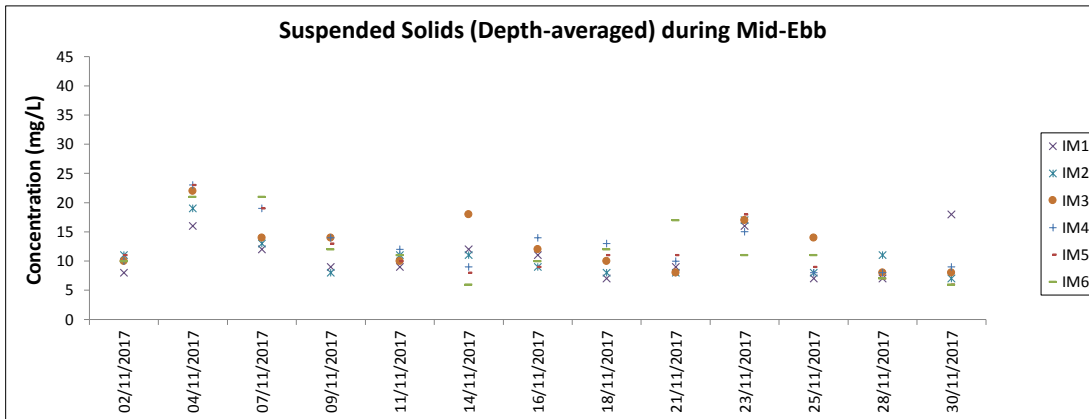
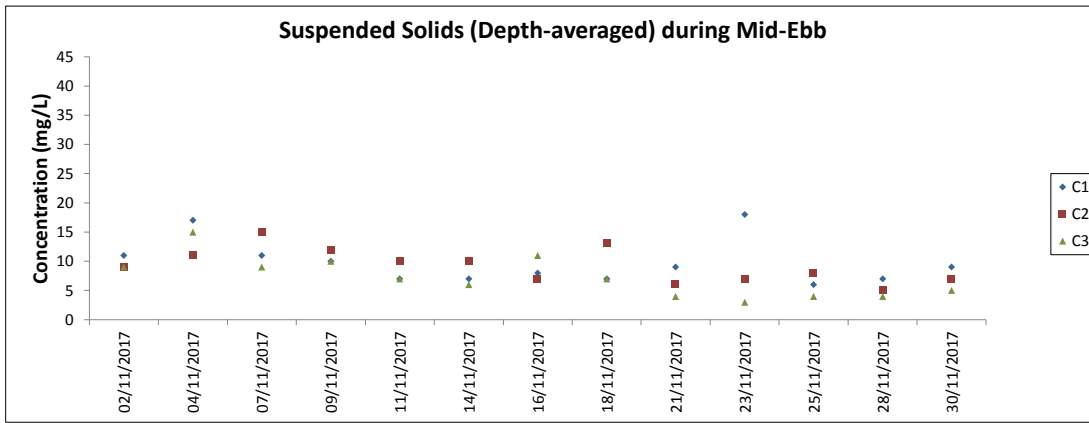


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

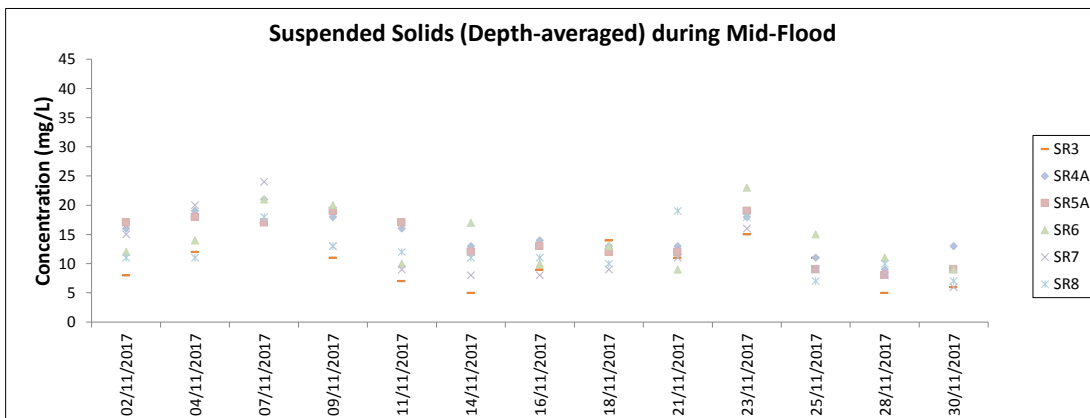
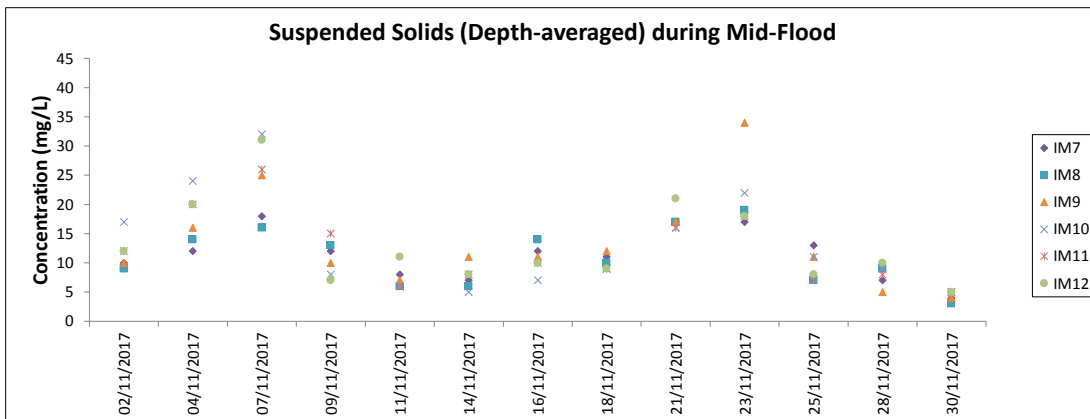
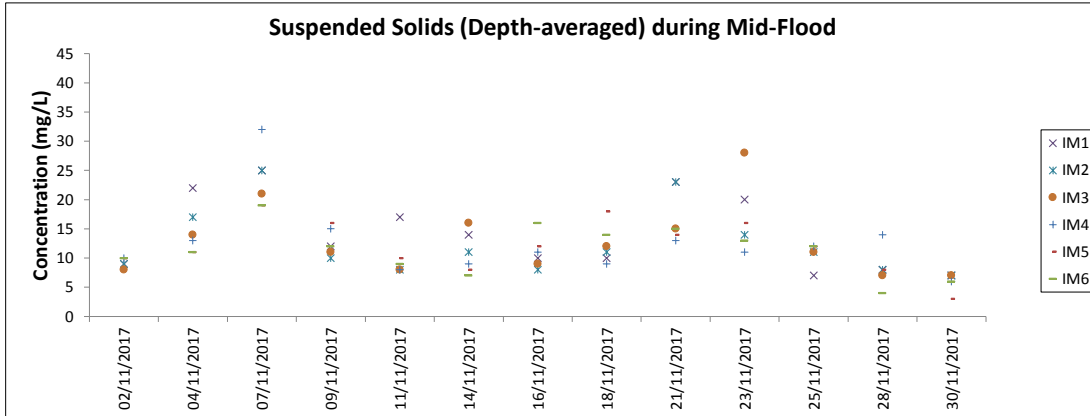
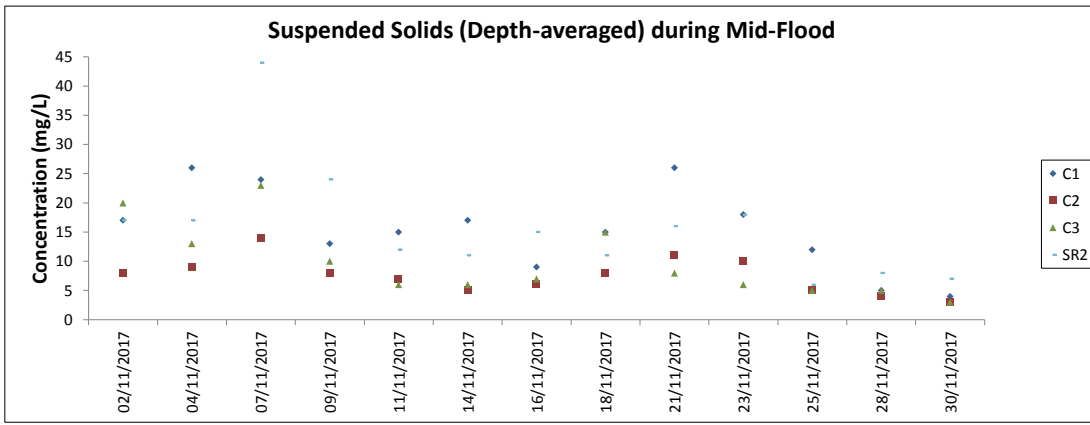




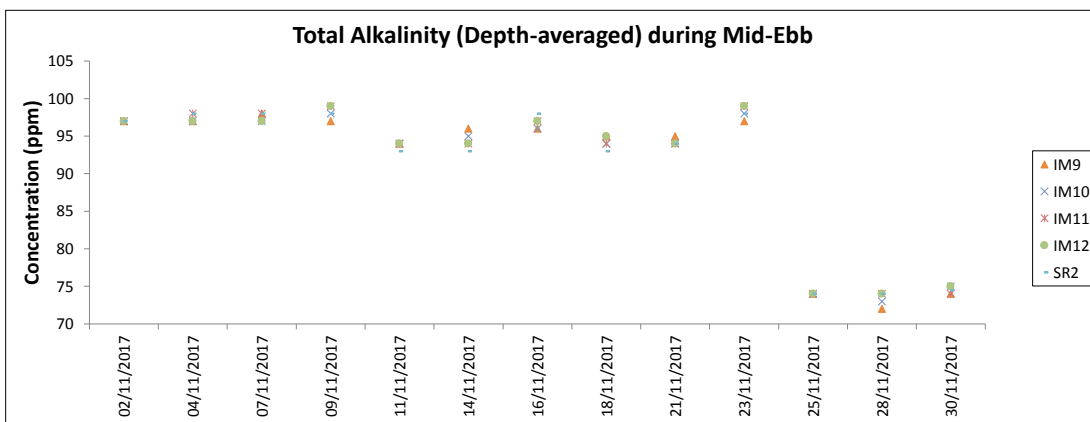
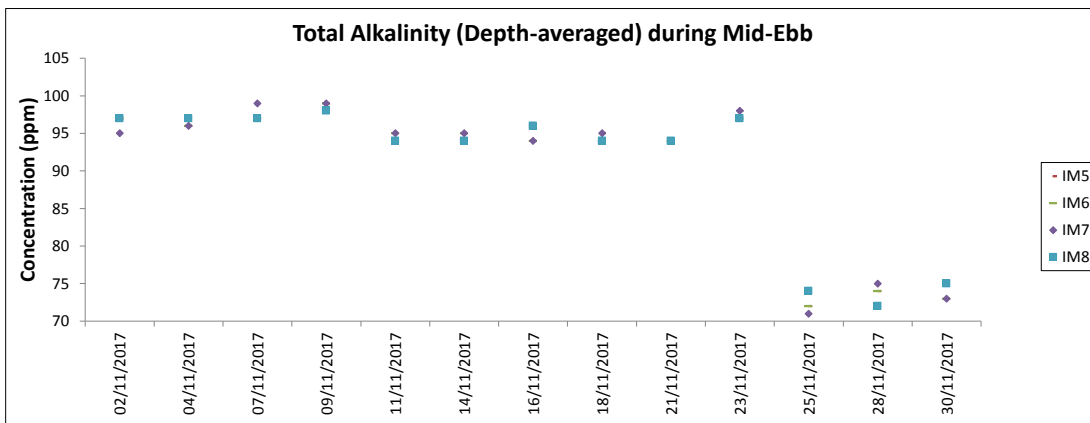
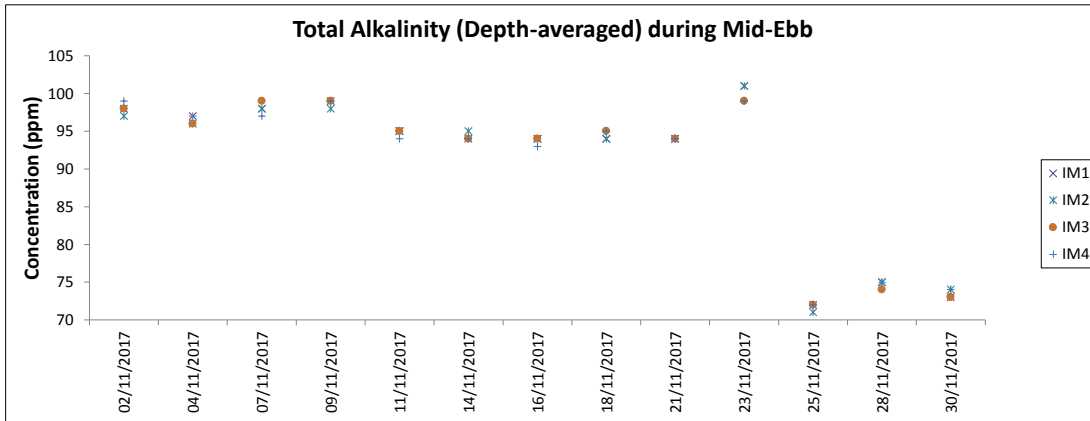
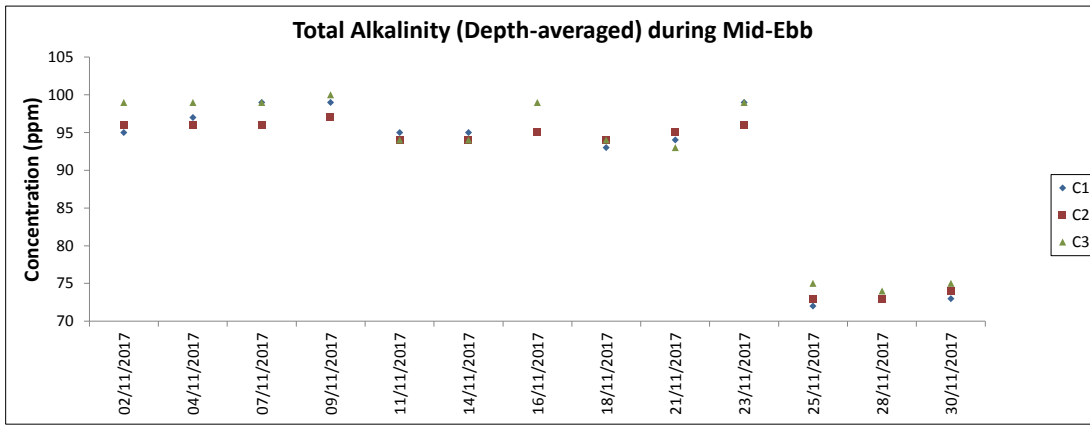




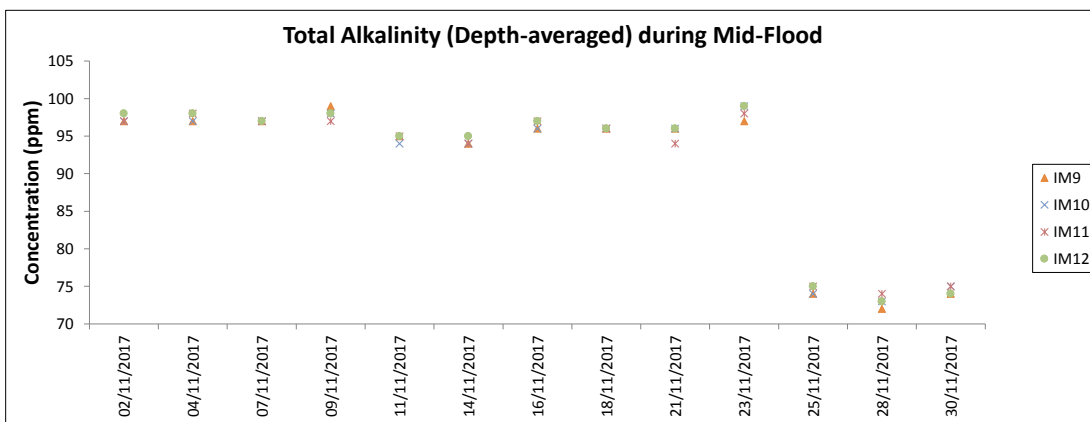
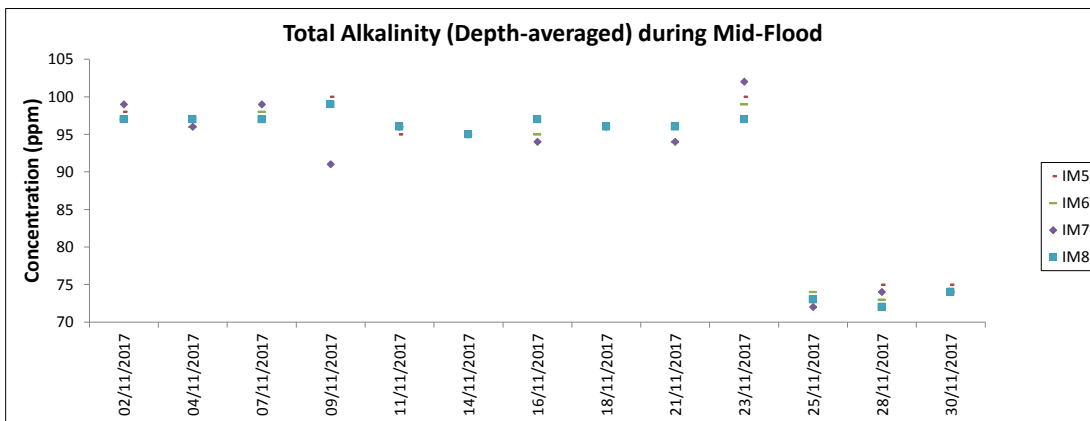
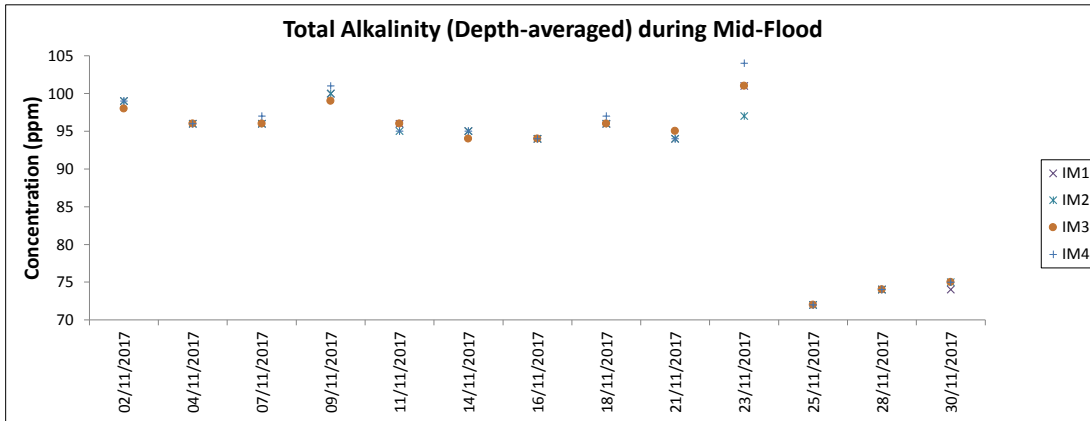
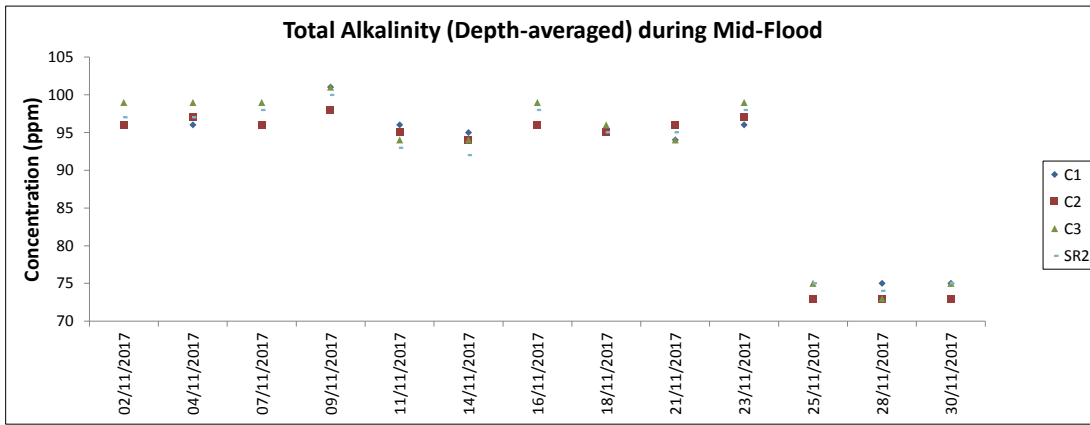
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



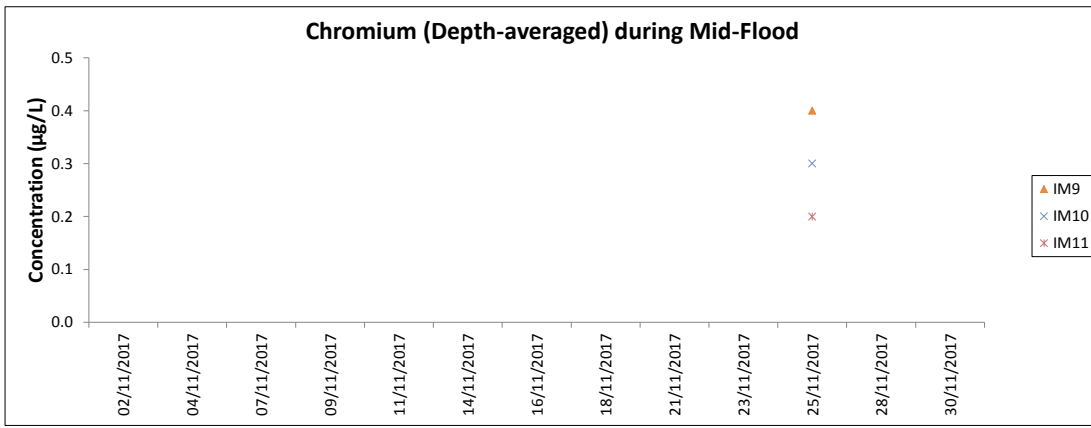
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



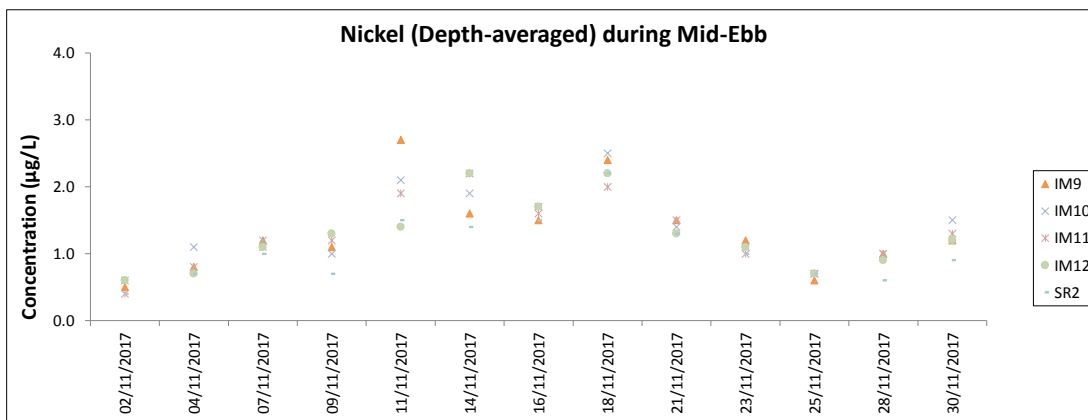
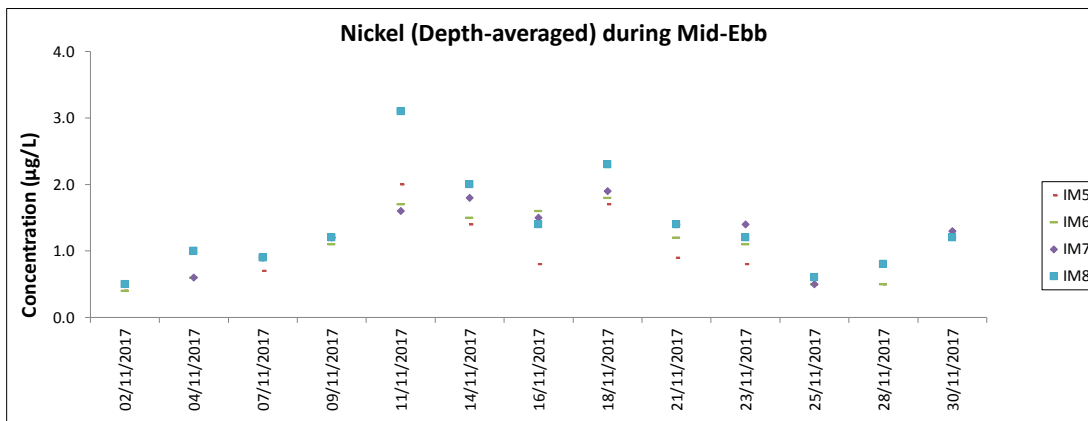
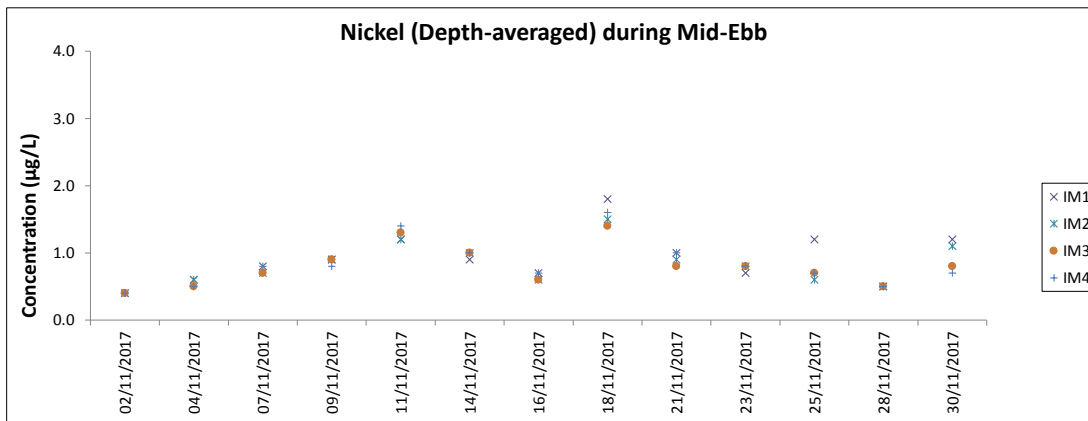
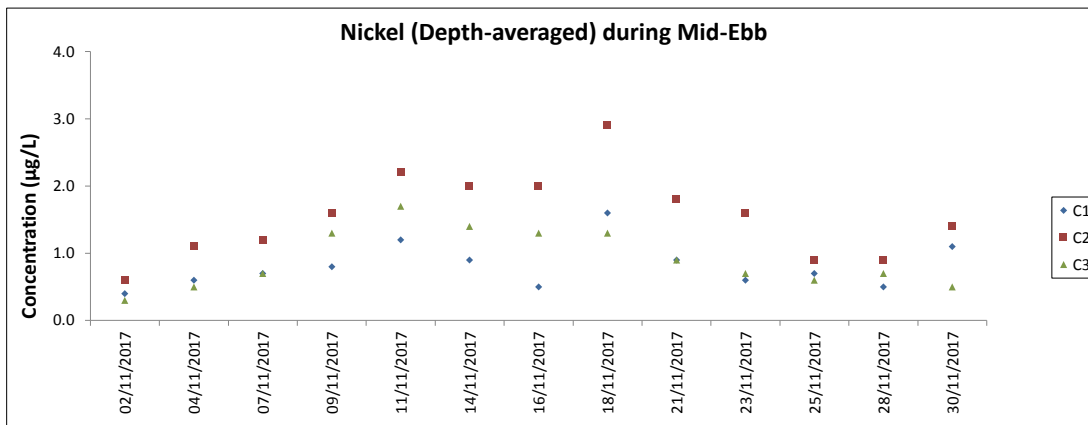
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



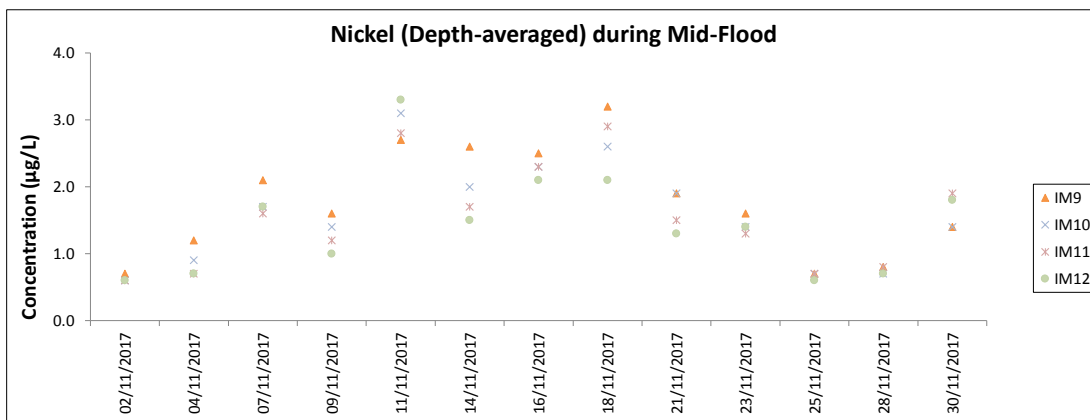
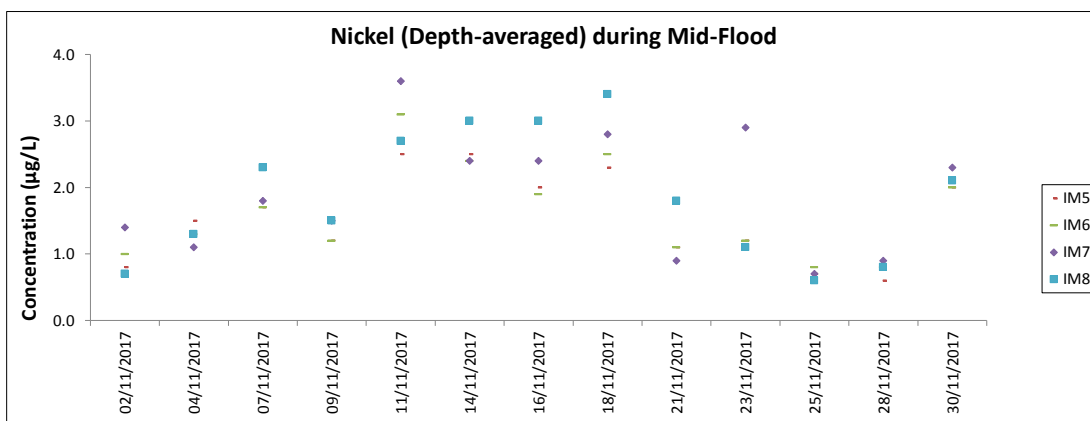
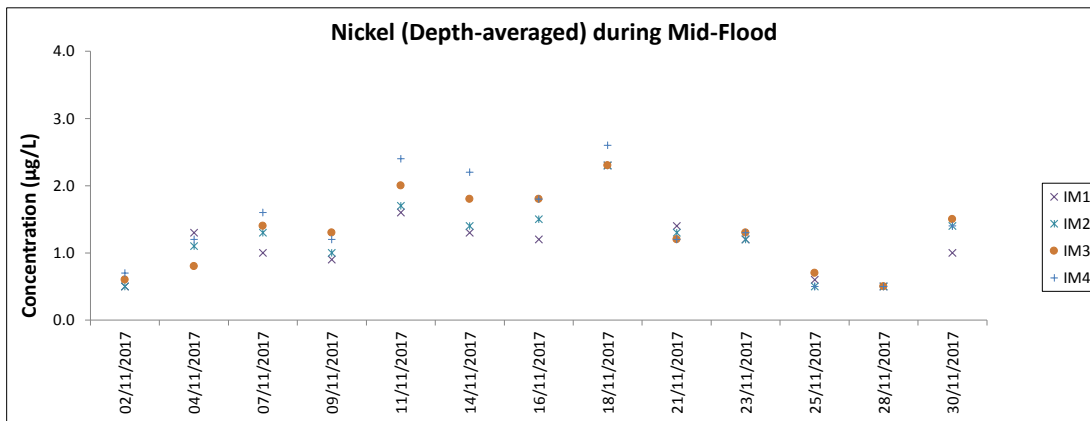
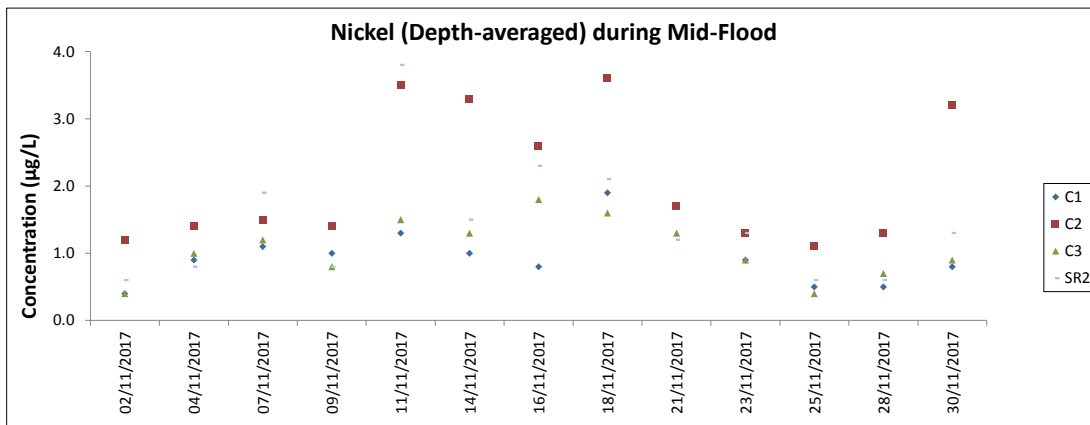
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



Note: All chromium results collected during ebb tide 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.



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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
11-Sep-17	SWL	1	9.330	AUTUMN	32166	3RS ET
11-Sep-17	SWL	2	51.970	AUTUMN	32166	3RS ET
12-Sep-17	SWL	3	5.564	AUTUMN	32166	3RS ET
12-Sep-17	SWL	4	1.334	AUTUMN	32166	3RS ET
12-Sep-17	WL	2	23.366	AUTUMN	32166	3RS ET
12-Sep-17	WL	3	8.530	AUTUMN	32166	3RS ET
12-Sep-17	WL	4	0.590	AUTUMN	32166	3RS ET
12-Sep-17	AW	2	4.850	AUTUMN	32166	3RS ET
13-Sep-17	NEL	1	5.293	AUTUMN	32166	3RS ET
13-Sep-17	NEL	2	41.007	AUTUMN	32166	3RS ET
13-Sep-17	NEL	3	1.200	AUTUMN	32166	3RS ET
14-Sep-17	NEL	2	21.130	AUTUMN	32166	3RS ET
14-Sep-17	NEL	3	24.570	AUTUMN	32166	3RS ET
14-Sep-17	NEL	4	1.500	AUTUMN	32166	3RS ET
18-Sep-17	NWL	1	1.020	AUTUMN	32166	3RS ET
18-Sep-17	NWL	2	26.330	AUTUMN	32166	3RS ET
18-Sep-17	NWL	3	19.210	AUTUMN	32166	3RS ET
18-Sep-17	NWL	4	22.550	AUTUMN	32166	3RS ET
19-Sep-17	AW	2	2.890	AUTUMN	32166	3RS ET
19-Sep-17	AW	3	1.840	AUTUMN	32166	3RS ET
19-Sep-17	WL	1	3.460	AUTUMN	32166	3RS ET
19-Sep-17	WL	2	4.998	AUTUMN	32166	3RS ET
19-Sep-17	WL	3	7.760	AUTUMN	32166	3RS ET
19-Sep-17	WL	4	13.081	AUTUMN	32166	3RS ET
19-Sep-17	SWL	2	3.010	AUTUMN	32166	3RS ET
19-Sep-17	SWL	3	3.250	AUTUMN	32166	3RS ET
19-Sep-17	SWL	4	5.750	AUTUMN	32166	3RS ET
20-Sep-17	SWL	2	13.420	AUTUMN	32166	3RS ET
20-Sep-17	SWL	3	38.810	AUTUMN	32166	3RS ET
20-Sep-17	SWL	4	4.360	AUTUMN	32166	3RS ET
21-Sep-17	NWL	1	4.500	AUTUMN	32166	3RS ET
21-Sep-17	NWL	2	67.480	AUTUMN	32166	3RS ET
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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
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
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

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. September and October 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.
11-Sep-17	1	1131	CWD	1	SWL	2	83	ON	3RS ET	22.2054	113.9212	AUTUMN	NONE
11-Sep-17	2	1344	CWD	4	SWL	1	780	ON	3RS ET	22.1795	113.8881	AUTUMN	NONE
12-Sep-17	1	1045	CWD	1	SWL	4	93	ON	3RS ET	22.1932	113.8584	AUTUMN	NONE
12-Sep-17	2	1110	CWD	3	SWL	3	N/A	OFF	3RS ET	22.1814	113.8492	AUTUMN	NONE
12-Sep-17	3	1211	CWD	4	WL	2	53	ON	3RS ET	22.2150	113.8309	AUTUMN	NONE
12-Sep-17	4	1347	CWD	3	WL	2	60	ON	3RS ET	22.2608	113.8471	AUTUMN	NONE
12-Sep-17	5	1358	CWD	3	WL	2	107	ON	3RS ET	22.2640	113.8582	AUTUMN	NONE
18-Sep-17	1	1009	CWD	15	NWL	2	248	ON	3RS ET	22.3365	113.8679	AUTUMN	NONE
18-Sep-17	2	1211	CWD	2	NWL	2	151	ON	3RS ET	22.4006	113.8778	AUTUMN	NONE
18-Sep-17	3	1345	CWD	1	NWL	3	65	ON	3RS ET	22.4003	113.8976	AUTUMN	NONE
19-Sep-17	1	1020	CWD	6	WL	1	860	ON	3RS ET	22.2745	113.8488	AUTUMN	NONE
19-Sep-17	2	1106	CWD	4	WL	2	57	ON	3RS ET	22.2652	113.8578	AUTUMN	NONE
19-Sep-17	3	1126	CWD	2	WL	2	428	ON	3RS ET	22.2603	113.8454	AUTUMN	NONE
19-Sep-17	4	1134	CWD	1	WL	3	30	ON	3RS ET	22.2573	113.8371	AUTUMN	NONE
19-Sep-17	5	1145	CWD	1	WL	3	18	ON	3RS ET	22.2497	113.8429	AUTUMN	NONE
19-Sep-17	6	1202	CWD	3	WL	3	73	ON	3RS ET	22.2408	113.8386	AUTUMN	NONE
19-Sep-17	7	1258	CWD	1	WL	4	113	ON	3RS ET	22.2053	113.8363	AUTUMN	NONE
19-Sep-17	8	1420	CWD	1	SWL	2	261	ON	3RS ET	22.2004	113.8659	AUTUMN	NONE
20-Sep-17	1	1215	CWD	7	SWL	2	305	ON	3RS ET	22.1643	113.9011	AUTUMN	NONE
20-Sep-17	2	1332	CWD	5	SWL	3	90	ON	3RS ET	22.1576	113.8969	AUTUMN	NONE
20-Sep-17	3	1434	CWD	3	SWL	2	496	ON	3RS ET	22.2053	113.8777	AUTUMN	NONE
20-Sep-17	4	1534	CWD	3	SWL	3	N/A	OFF	3RS ET	22.1931	113.8450	AUTUMN	NONE
21-Sep-17	1	0952	CWD	1	NWL	2	1308	ON	3RS ET	22.3786	113.8681	AUTUMN	NONE
21-Sep-17	2	1005	CWD	1	NWL	2	N/A	OFF	3RS ET	22.3685	113.8679	AUTUMN	NONE
21-Sep-17	3	1148	CWD	1	NWL	2	284	ON	3RS ET	22.3730	113.8773	AUTUMN	NONE
21-Sep-17	4	1204	CWD	2	NWL	2	124	ON	3RS ET	22.3901	113.8784	AUTUMN	NONE
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

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
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

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

A total of 337.440 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 7 on-effort sightings and total number of 23 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in November 2017 are shown as below:

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

$$STG = \frac{7}{337.440} \times 100 = 2.07$$

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

$$ANI = \frac{23}{337.440} \times 100 = 6.82$$

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

A total of 1150.339 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 47 on-effort sightings and total number of 160 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)









$$STG = \frac{47}{1150.339} \times 100 = 4.09$$

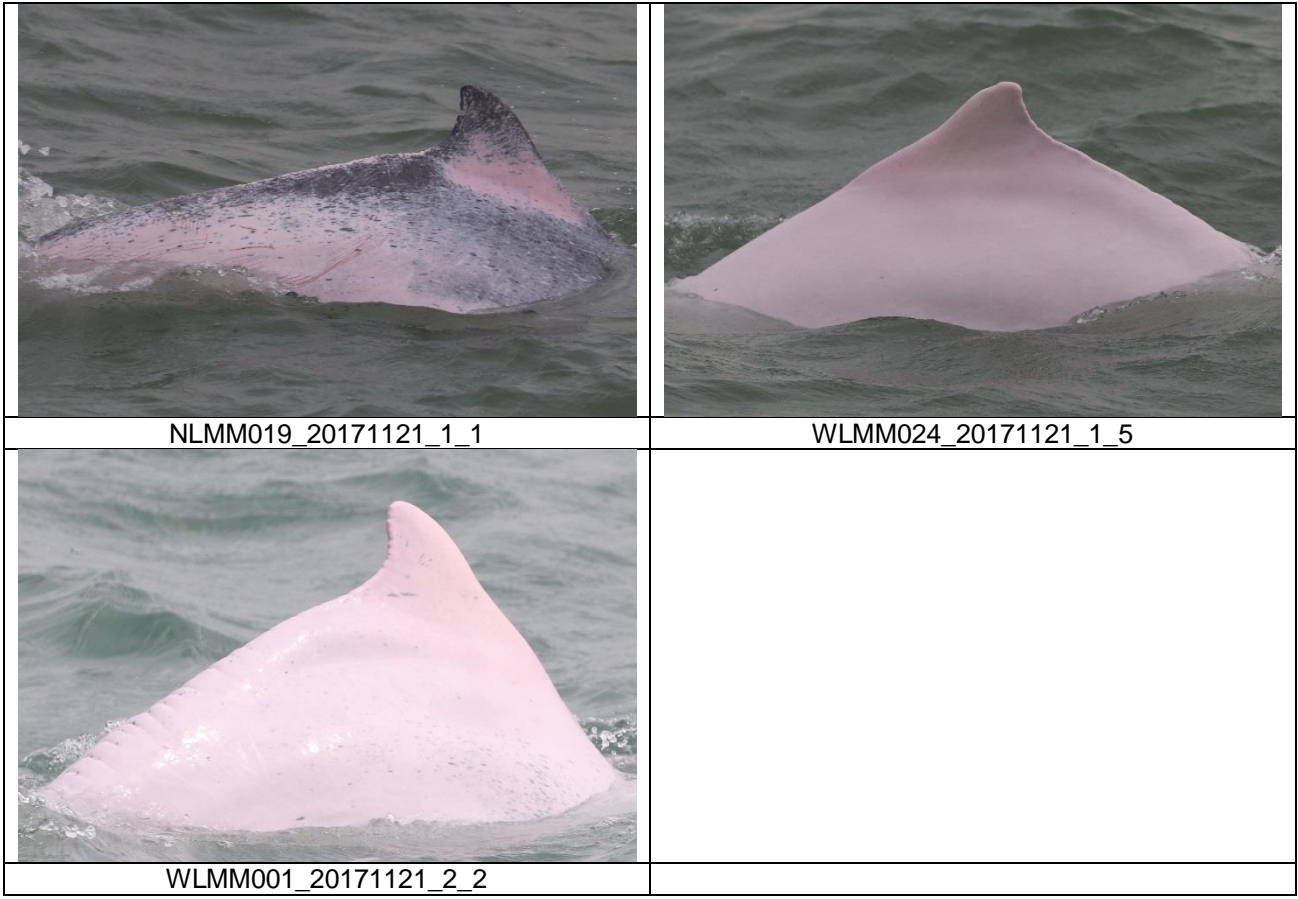
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{160}{1150.339} \times 100 = 13.91$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM049_20171107_1_3	NLMM054_20171107_1_2
	
NLMM011_20171115_1_6	NLMM012_20171115_1_3
	
NLMM037_20171115_1_1	NLMM039_20171115_1_3
	
WLMM065_20171117_1_1_Left	WLMM066_20171117_1_1_Upper



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
2/Nov/17	Lung Kwu Chau	8:52	14:52	6:00	3	3	7	2-6
9/Nov/17	Sha Chau	8:40	14:40	6:00	2	2-3	0	N/A
16/Nov/17	Sha Chau	8:36	14:36	6:00	2-3	1-2	0	N/A
22/Nov/17	Lung Kwu Chau	8:48	14:48	6:00	4	2	4	3-11
23/Nov/17	Lung Kwu Chau	8:37	14:37	6:00	3-4	3	7	1-6

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

