

Appendix D. Monitoring Results

Air Quality Monitoring Results

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

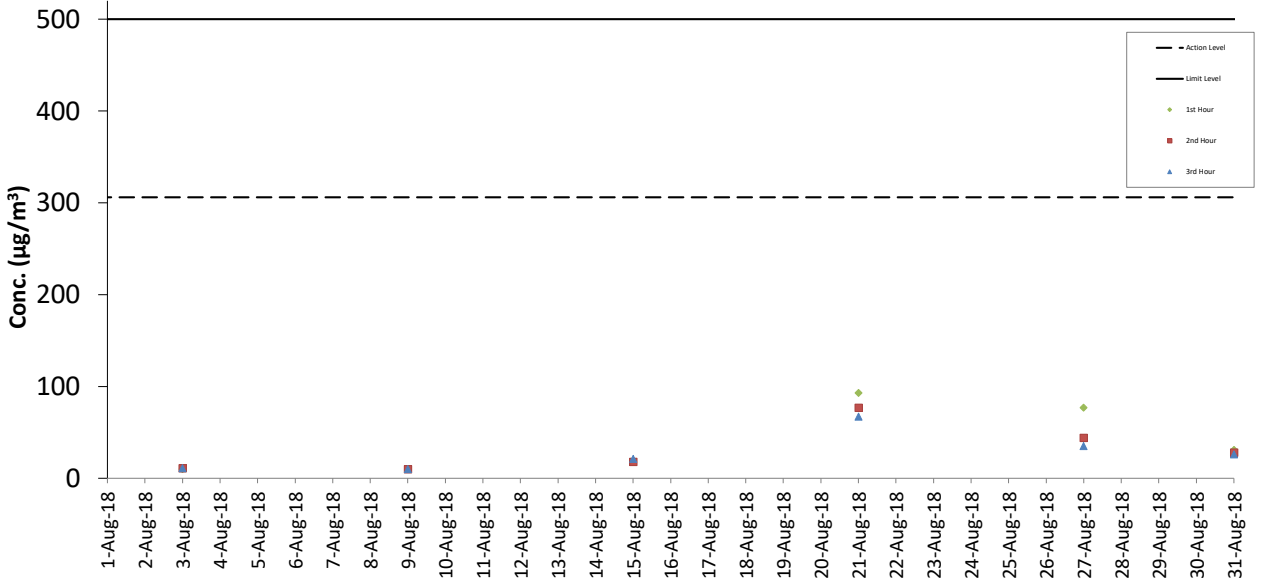
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
3-Aug-18	13:00	Fine	5.8	195	10	306	500
3-Aug-18	14:00	Fine	5.7	206	11	306	500
3-Aug-18	15:00	Fine	5.7	201	11	306	500
9-Aug-18	13:24	Sunny	--	--	10	306	500
9-Aug-18	14:24	Sunny	--	--	10	306	500
9-Aug-18	15:24	Sunny	--	--	10	306	500
15-Aug-18	14:08	Fine	4.9	148	18	306	500
15-Aug-18	15:08	Fine	5.2	105	18	306	500
15-Aug-18	16:08	Fine	5.4	122	21	306	500
21-Aug-18	13:00	Cloudy(13:00-15:00), rainy(15:00-16:00)	3.7	263	93	306	500
21-Aug-18	14:00	Cloudy(13:00-15:00), rainy(15:00-16:00)	2.6	230	77	306	500
21-Aug-18	15:00	Cloudy(13:00-15:00), rainy(15:00-16:00)	3.1	variable	67	306	500
27-Aug-18	13:03	Cloudy	3.1	267	77	306	500
27-Aug-18	14:03	Cloudy	4.1	243	44	306	500
27-Aug-18	15:03	Cloudy	1.8	328	35	306	500
31-Aug-18	09:55	Cloudy	6.2	197	31	306	500
31-Aug-18	10:55	Cloudy	4.5	187	28	306	500
31-Aug-18	13:00	Cloudy	5.3	141	26	306	500

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

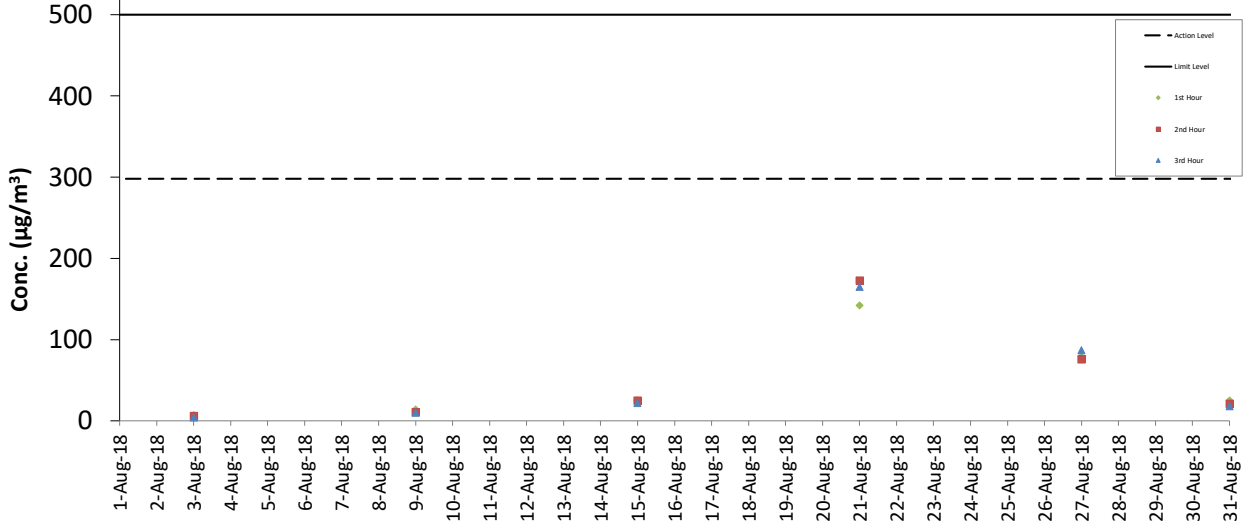
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
3-Aug-18	08:48	Sunny	5.5	195	7	298	500
3-Aug-18	09:48	Sunny	6.2	206	6	298	500
3-Aug-18	10:48	Sunny	6.3	225	4	298	500
9-Aug-18	08:56	Sunny	--	--	14	298	500
9-Aug-18	09:56	Sunny	--	--	11	298	500
9-Aug-18	10:56	Sunny	--	--	10	298	500
15-Aug-18	09:00	Fine	4.5	78	25	298	500
15-Aug-18	10:00	Fine	4.9	83	25	298	500
15-Aug-18	11:00	Fine	6.2	100	22	298	500
21-Aug-18	9:00	Cloudy	1.8	324	142	298	500
21-Aug-18	10:00	Cloudy	2.3	316	173	298	500
21-Aug-18	11:00	Cloudy	2.9	304	165	298	500
27-Aug-18	8:57	Cloudy	1.7	263	79	298	500
27-Aug-18	9:57	Cloudy	2.6	251	76	298	500
27-Aug-18	10:57	Cloudy	2.5	245	87	298	500
31-Aug-18	8:57	Cloudy	5.2	203	25	298	500
31-Aug-18	9:57	Cloudy	6.2	199	21	298	500
31-Aug-18	10:57	Cloudy	4.7	188	18	298	500

Remarks: Chek Lap Kok wind station was under maintenance on 9 Aug 2018.

AR1A 1-Hour TSP



AR2 1-Hour TSP



Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A)
9-Aug-18	Sunny	13:44	73.0	58.0	72
9-Aug-18	Sunny	13:49	73.0	56.0	
9-Aug-18	Sunny	13:54	72.0	56.5	
9-Aug-18	Sunny	13:59	71.5	56.0	
9-Aug-18	Sunny	14:04	71.5	56.0	
9-Aug-18	Sunny	14:09	72.5	57.0	
15-Aug-18	Fine	14:30	73.0	53.0	73
15-Aug-18	Fine	14:35	73.5	58.0	
15-Aug-18	Fine	14:40	72.0	57.0	
15-Aug-18	Fine	14:45	71.5	58.5	
15-Aug-18	Fine	14:50	72.5	58.5	
15-Aug-18	Fine	14:55	72.0	57.5	
21-Aug-18	Cloudy	13:40	72.0	56.5	71
21-Aug-18	Cloudy	13:45	71.5	55.0	
21-Aug-18	Cloudy	13:50	73.0	55.0	
21-Aug-18	Cloudy	13:55	71.0	56.0	
21-Aug-18	Cloudy	14:00	73.0	53.5	
21-Aug-18	Cloudy	14:05	71.0	54.0	
27-Aug-18	Cloudy	13:15	70.5	55.0	72
27-Aug-18	Cloudy	13:20	71.5	55.5	
27-Aug-18	Cloudy	13:25	72.5	55.5	
27-Aug-18	Cloudy	13:30	73.5	55.0	
27-Aug-18	Cloudy	13:35	72.5	54.0	
27-Aug-18	Cloudy	13:40	72.5	54.5	

Remarks:

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

Noise Measurement Results

Station: NM3A- Site Office

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A)
9-Aug-18	Sunny	09:41	71.0	64.5	65
9-Aug-18	Sunny	9:46	71.0	64.0	
9-Aug-18	Sunny	9:51	67.5	63.5	
9-Aug-18	Sunny	9:56	69.0	64.0	
9-Aug-18	Sunny	10:01	70.0	64.5	
9-Aug-18	Sunny	10:06	69.0	64.0	
15-Aug-18	Cloudy	10:36	68.5	54.5	57
15-Aug-18	Cloudy	10:41	69.5	56.0	
15-Aug-18	Cloudy	10:46	67.5	53.5	
15-Aug-18	Cloudy	10:51	65.0	54.0	
15-Aug-18	Cloudy	10:56	69.5	55.0	
15-Aug-18	Cloudy	11:01	65.0	54.5	
21-Aug-18	Sunny	9:16	67.5	59.0	63
21-Aug-18	Sunny	9:21	69.0	59.5	
21-Aug-18	Sunny	9:26	64.0	58.0	
21-Aug-18	Sunny	9:31	68.0	59.5	
21-Aug-18	Sunny	9:36	75.5	60.5	
21-Aug-18	Sunny	9:41	69.0	59.5	
27-Aug-18	Cloudy	9:06	64.0	60.5	63
27-Aug-18	Cloudy	9:11	65.5	62.0	
27-Aug-18	Cloudy	9:16	66.0	61.0	
27-Aug-18	Cloudy	9:21	63.5	60.5	
27-Aug-18	Cloudy	9:26	63.5	60.5	
27-Aug-18	Cloudy	9:31	65.0	61.0	

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
9-Aug-18	Sunny	15:40	65.0	60.0	66
9-Aug-18	Sunny	15:45	64.0	60.5	
9-Aug-18	Sunny	15:50	66.0	60.5	
9-Aug-18	Sunny	15:55	64.5	60.0	
9-Aug-18	Sunny	16:00	64.0	60.0	
9-Aug-18	Sunny	16:05	63.5	60.0	
15-Aug-18	Cloudy	14:00	63.5	59.0	65
15-Aug-18	Cloudy	14:05	63.0	59.0	
15-Aug-18	Cloudy	14:10	63.5	59.5	
15-Aug-18	Cloudy	14:15	64.0	58.5	
15-Aug-18	Cloudy	14:20	64.0	59.5	
15-Aug-18	Cloudy	14:25	65.5	59.0	
21-Aug-18	Cloudy	13:53	64.0	59.0	65
21-Aug-18	Cloudy	13:58	63.0	59.0	
21-Aug-18	Cloudy	14:03	65.0	60.0	
21-Aug-18	Cloudy	14:08	64.5	60.0	
21-Aug-18	Cloudy	14:13	63.5	60.0	
21-Aug-18	Cloudy	14:18	64.0	60.0	
27-Aug-18	Cloudy	13:57	61.0	58.0	63
27-Aug-18	Cloudy	14:02	62.0	58.0	
27-Aug-18	Cloudy	14:07	61.5	58.5	
27-Aug-18	Cloudy	14:12	61.5	58.0	
27-Aug-18	Cloudy	14:17	63.5	58.0	
27-Aug-18	Cloudy	14:22	62.0	58.5	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
9-Aug-18	Sunny	09:08	55.0	50.0	57
9-Aug-18	Sunny	9:13	56.0	49.0	
9-Aug-18	Sunny	9:18	59.0	49.0	
9-Aug-18	Sunny	9:23	59.0	49.5	
9-Aug-18	Sunny	9:28	56.0	49.0	
9-Aug-18	Sunny	9:33	63.0	49.0	
15-Aug-18	Fine	09:05	59.0	49.0	56
15-Aug-18	Fine	9:10	55.0	47.0	
15-Aug-18	Fine	9:15	56.5	46.0	
15-Aug-18	Fine	9:20	54.0	46.0	
15-Aug-18	Fine	9:25	52.0	47.0	
15-Aug-18	Fine	9:30	55.0	48.5	
21-Aug-18	Cloudy	8:57	51.0	46.0	57
21-Aug-18	Cloudy	9:02	61.0	47.0	
21-Aug-18	Cloudy	9:07	54.0	47.0	
21-Aug-18	Cloudy	9:12	51.5	45.5	
21-Aug-18	Cloudy	9:17	53.0	46.5	
21-Aug-18	Cloudy	9:22	58.5	46.5	
27-Aug-18	Cloudy	8:58	53.0	46.5	55
27-Aug-18	Cloudy	9:03	53.5	46.5	
27-Aug-18	Cloudy	9:08	52.5	47.0	
27-Aug-18	Cloudy	9:13	57.0	46.5	
27-Aug-18	Cloudy	9:18	53.0	46.5	
27-Aug-18	Cloudy	9:23	51.5	45.5	

Remarks:

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

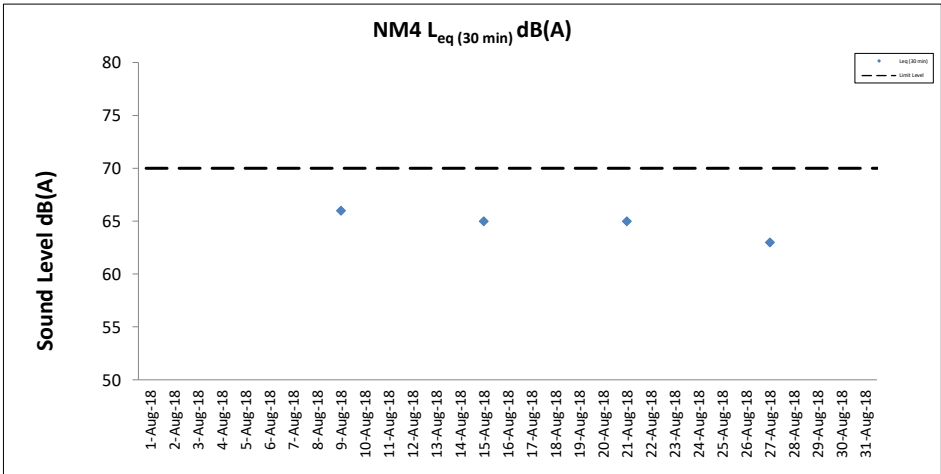
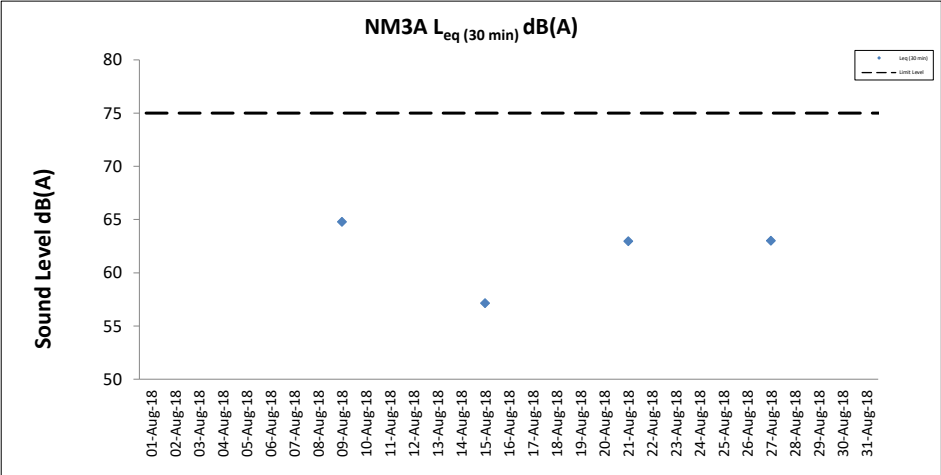
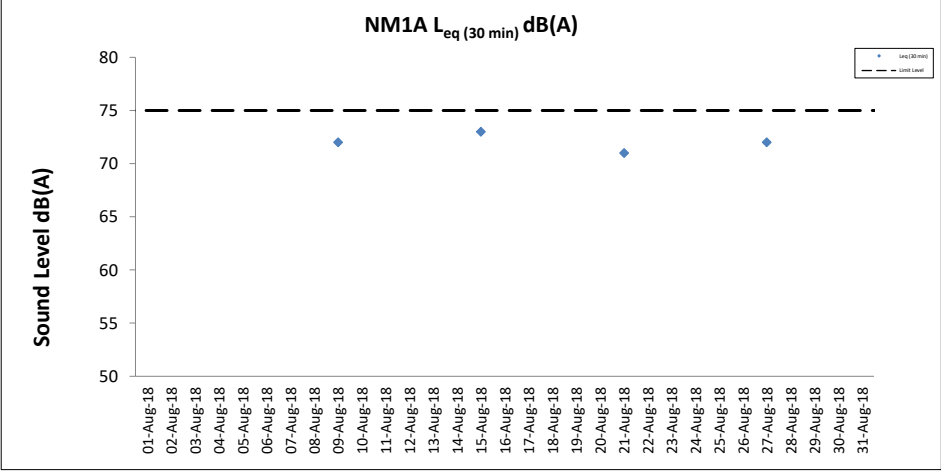
Noise Measurement Results

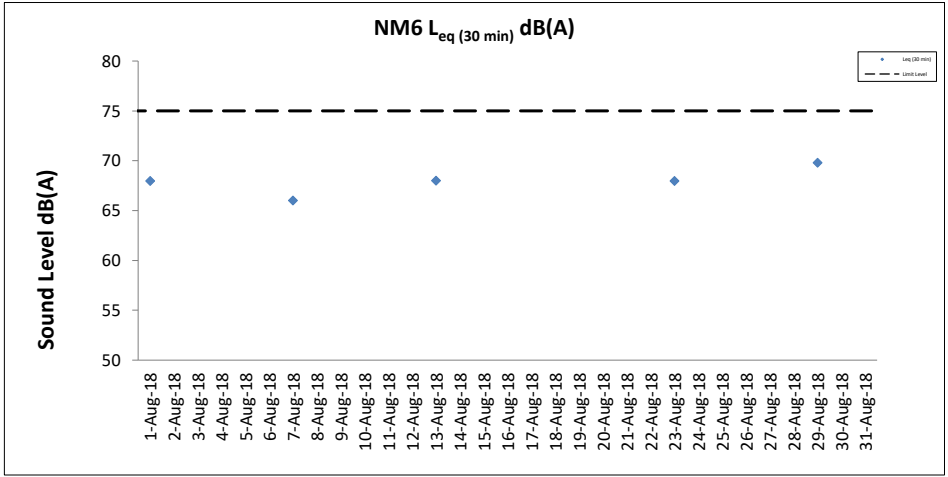
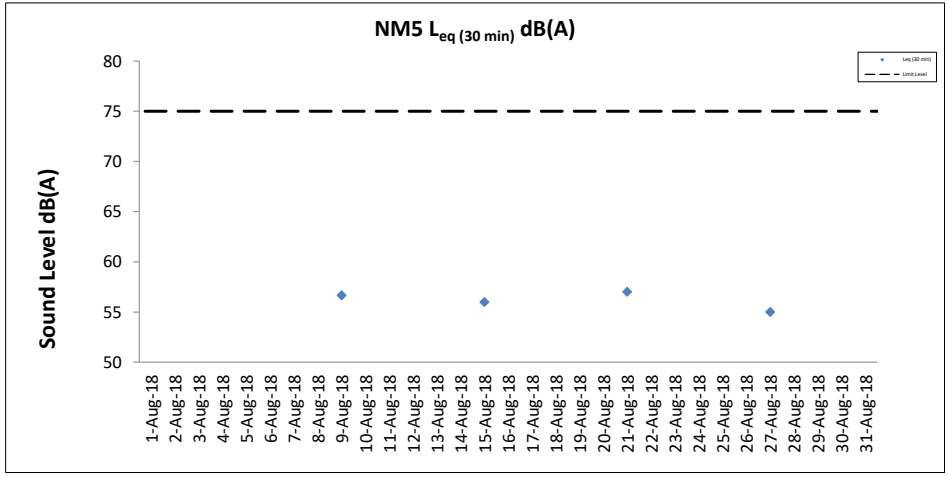
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A)
1-Aug-18	Sunny	10:03	73.5	52.0	68
1-Aug-18	Sunny	10:08	68.5	52.0	
1-Aug-18	Sunny	10:13	75.5	51.5	
1-Aug-18	Sunny	10:18	74.0	53.5	
1-Aug-18	Sunny	10:23	71.5	50.0	
1-Aug-18	Sunny	10:28	71.5	50.0	
7-Aug-18	Sunny	09:42	69.5	52.5	66
7-Aug-18	Sunny	9:47	66.0	51.0	
7-Aug-18	Sunny	9:52	64.0	52.0	
7-Aug-18	Sunny	9:57	66.5	52.5	
7-Aug-18	Sunny	10:02	68.5	52.5	
7-Aug-18	Sunny	10:07	68.5	55.0	
13-Aug-18	Sunny	09:41	68.0	54.0	68
13-Aug-18	Sunny	9:46	65.5	52.5	
13-Aug-18	Sunny	9:51	61.0	53.0	
13-Aug-18	Sunny	9:56	71.5	56.0	
13-Aug-18	Sunny	10:01	69.0	60.0	
13-Aug-18	Sunny	10:06	69.5	54.5	
23-Aug-18	Cloudy	9:48	66.0	52.5	68
23-Aug-18	Cloudy	9:53	71.5	55.5	
23-Aug-18	Cloudy	9:58	74.0	49.5	
23-Aug-18	Cloudy	10:03	64.5	47.5	
23-Aug-18	Cloudy	10:08	70.5	48.5	
23-Aug-18	Cloudy	10:13	75.0	50.5	
29-Aug-18	Cloudy	9:39	72.0	52.0	70
29-Aug-18	Cloudy	9:44	76.0	50.0	
29-Aug-18	Cloudy	9:49	75.5	48.5	
29-Aug-18	Cloudy	9:54	70.0	49.0	
29-Aug-18	Cloudy	9:59	68.5	48.0	
29-Aug-18	Cloudy	10:04	70.0	50.0	

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 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Fine	Moderate	15:57	9.1	Surface	1.0	0.4	275	30.2	8.0	8.0	16.9	16.9	93.3	93.0	6.4	5.3	10.0	10.8	6	7	90	92	815603	804253	<0.2	1.9	1.8	1.8				
						1.0	0.4	287	30.2	8.0	8.0	16.9	16.9	92.6	91.8	6.4	5.3	9.9	10.8	7	7	90	92	<0.2	1.8	1.8	1.8						
					Middle	4.6	0.1	42	28.9	28.9	7.9	7.9	26.0	26.3	63.5	63.6	4.2	4.1	10.5	10.8	8	7	92	92	<0.2	1.8	1.8	1.8	1.8				
						4.6	0.1	43	28.9	28.9	7.9	7.9	26.6	26.3	63.6	63.6	4.2	4.1	10.5	10.8	8	7	92	92	<0.2	1.8	1.8	1.8	1.8				
					Bottom	8.1	0.1	205	28.4	28.4	7.8	7.8	30.2	30.2	60.3	61.3	4.0	4.1	12.0	12.1	8	7	94	94	<0.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
						8.1	0.1	225	28.4	28.4	7.8	7.8	30.2	30.2	62.3	61.3	4.1	4.1	12.1	12.1	8	7	94	94	<0.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
C2	Fine	Moderate	14:38	12.3	Surface	1.0	0.4	150	30.0	30.0	8.1	8.1	15.8	15.8	91.8	91.8	6.4	6.1	8.9	12.7	5	7	88	88	825701	806918	<0.2	1.8	1.8	1.8			
						1.0	0.4	152	30.0	30.0	8.1	8.1	15.8	15.8	91.7	91.8	6.4	6.1	9.0	12.7	6	7	88	88	<0.2	1.8	1.8	1.8	1.8				
					Middle	6.2	0.2	164	29.7	29.7	8.1	8.1	17.7	17.7	84.4	84.3	5.8	5.7	12.7	12.7	7	7	88	88	<0.2	1.8	1.8	1.8	1.8				
						6.2	0.3	165	29.7	29.7	8.1	8.1	17.7	17.7	84.2	84.3	5.8	5.7	12.8	12.7	7	7	88	88	<0.2	1.8	1.8	1.8	1.8				
					Bottom	11.3	0.5	160	29.7	29.7	8.1	8.1	20.2	20.2	83.8	83.9	5.7	5.7	16.4	16.5	8	7	90	90	<0.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
						11.3	0.5	173	29.7	29.7	8.1	8.1	20.2	20.2	84.0	83.9	5.7	5.7	16.5	16.5	9	7	90	90	<0.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	
C3	Cloudy	Moderate	16:28	12.1	Surface	1.0	0.4	143	30.2	30.2	8.2	8.2	16.6	16.6	84.1	83.8	5.8	4.8	10.0	14.1	6	8	88	88	822110	817776	<0.2	1.6	1.7	1.8			
						1.0	0.4	143	30.2	30.2	8.2	8.2	16.6	16.6	83.5	83.8	5.8	4.8	10.1	14.1	8	8	88	89	<0.2	1.7	1.7	1.8					
					Middle	6.1	0.2	171	28.7	28.7	8.1	8.1	26.6	26.6	56.5	56.4	3.8	4.0	12.8	13.0	8	8	89	90	<0.2	1.7	1.7	1.8	1.8				
						6.1	0.2	171	28.7	28.7	8.1	8.1	26.6	26.6	56.3	56.4	3.8	4.0	13.0	13.0	9	8	90	92	<0.2	1.7	2.0	2.0					
					Bottom	11.1	0.4	157	28.3	28.3	8.0	8.0	29.8	29.8	60.6	60.8	4.0	4.0	19.4	19.4	9	8	92	93	<0.2	2.0	2.3	2.3					
						11.1	0.4	166	28.3	28.3	8.0	8.0	29.8	29.8	61.0	60.8	4.0	4.0	19.4	19.4	8	8	93	92	<0.2	2.0	2.3	2.3					
IM1	Fine	Moderate	15:36	5.6	Surface	1.0	0.2	219	30.1	30.1	7.9	7.9	15.4	15.4	94.3	94.3	6.5	6.5	14.1	20.6	6	6	85	85	817942	807128	<0.2	1.9	1.7	1.8			
						1.0	0.2	231	30.1	30.1	7.9	7.9	15.4	15.4	94.3	94.3	6.5	6.5	14.2	20.6	4	6	86	86	<0.2	1.7	1.7	1.8					
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	88	88	<0.2	-	-	-	1.8
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	88	88	<0.2	-	-	-
					Bottom	4.6	0.2	152	29.8	29.8	7.9	7.9	17.5	17.5	92.2	92.4	6.4	6.4	27.2	27.2	6	6	90	90	<0.2	1.6	1.6	1.8					
						4.6	0.2	155	29.8	29.8	7.9	7.9	17.5	17.5	92.5	92.4	6.4	6.4	26.9	26.9	7	6	90	90	<0.2	1.8	1.8	1.8	1.8				
IM2	Fine	Moderate	15:27	8.0	Surface	1.0	0.1	2	30.3	30.3	8.0	8.0	15.9	15.9	96.4	96.3	6.6	6.5	9.4	13.8	4	5	88	89	818188	806137	<0.2	1.7	1.8	1.8			
						1.0	0.1	2	30.3	30.3	8.0	8.0	15.9	15.9	96.2	96.3	6.6	6.5	9.6	13.8	4	5	89	90	<0.2	1.8	1.8	1.8					
					Middle	4.0	0.1	196	30.2	30.2	8.0	8.0	16.0	16.0	92.6	92.5	6.4	6.4	12.5	12.7	5	5	90	90	<0.2	1.9	1.9	1.8					
						4.0	0.1	211	30.2	30.2	8.0	8.0	16.0	16.0	92.4	92.5	6.4	6.4	12.7	12.7	6	5	90	92	<0.2	2.0	2.0	1.8					
					Bottom	7.0	0.3	77	29.0	29.0	7.8	7.8	27.0	27.0	67.7	68.0	4.5	4.5	19.4	19.2	7	5	92	92	<0.2	1.8	1.8	1.8	1.8				
						7.0	0.3	78	29.0	29.0	7.8	7.8	27.0	27.0	68.2	68.0	4.5	4.5	19.2	19.2	5	5	92	92	<0.2	1.8	1.8	1.8	1.8				
IM3	Fine	Moderate	15:15	8.1	Surface	1.0	0.2	12	30.2	30.2	7.9	7.9	15.9	15.9	89.2	89.1	6.2	5.8	10.1	14.7	5	5	85	86	818795	805594	<0.2	1.9	1.8	1.8			
						1.0	0.2	12	30.2	30.2	7.9	7.9	15.9	15.9	88.9	89.1	6.1	5.8	10.2	14.7	4	5	86	86	<0.2	1.8	1.8	1.8					
					Middle	4.1	0.1	17	29.7	29.7	7.9	7.9	17.5	17.5	79.9	79.8	5.5	5.5	12.8	12.9	6	5	90	90	<0.2	1.9	1.9	1.8					
						4.1	0.1	18	29.7	29.7	7.9	7.9	17.6	17.6	79.6	79.8	5.5	5.5	12.9	12.9	5	5	90	90	<0.2	1.9	1.9	1.8					
					Bottom	7.1	0.4	73	29.1	29.1	7.8	7.8	26.2	26.2	72.3	72.6	4.8	4.8	21.0	21.0	6	4	92	92	<0.2	1.8	1.8	1.8	1.8				
						7.1	0.4	79	29.1	29.1	7.8	7.8	26.2	26.2	72.8	72.6	4.8	4.8	21.0	21.0	5	4	92	92	<0.2	1.6	1.6	1.8					
IM4	Fine	Moderate	15:04	7.9	Surface	1.0	0.4	15	30.1	30.1	7.9	7.9	16.8	16.8	87.5	87.5	6.0	5.6	9.3	16.3	3	4	90	90	819703	804587	<0.2	1.7	1.7	1.8			
						1.0	0.4	15	30.1	30.1	7.9	7.9	16.8	16.8	87.5	87.5	6.0	5.6	9.3	16.3	4	4	90	90	<0.2	1.7	1.7	1.8					
					Middle	4.0	0.1	33	29.5	29.5	7.9	7.9	19.4	19.4	74.4	74.5	5.1	5.1	15.7	15.9	4	4	92	92	<0.2	1.7	1.7	1.8					
						4.0	0.1	33	29.5	29.5	7.9	7.9	19.4	19.4	74.5	74.5	5.1	5.1	15.9	15.9	4	4	92	92	<0.2	1.7	1.7	1.8					
					Bottom	6.9	0.3	67	29.2	29.2	7.8	7.8	25.0	25.0	71.9	72.2	4.8	4.8	23.8	23.8	4	4	93	93	<0.2	1.7	1.7	1.8					
						6.9	0.3	69	29.2	29.2	7.8	7.8	25.0	25.0	72.4	72.4	4.8	4.8	23.8	23.8	4	4	93	93	<0.2	1.7	1.7	1.8					
IM5	Fine	Moderate	14:53	7.6	Surface	1.0	0.4	354	30.6	30.6	8.0	8.0	14.7	14.7	91.8	91.7	6.3	5.6	9.8	16.3	3	4	87	88	820754	804866	<0.2	2.0	1.6	1.7			
						1.0	0.4	359	30.6	30.6	8.0	8.0	14.7	14.7	91.5	91.7	6.3	5.6	9.9	16.3	4	4	88	88	<0.2	1.6	1.6	1.7					
					Middle	3.8	0.4	14	29.5	29.5	7.9	7.9	21.8	21.8	72.8	72.8	4.9	4.9	18.5	18.6	4	4	90	91	<0.2	1.6	1.6	1.7					
						3.8	0.4	14	29.5	29.5	7.9	7.9	21.8	21.8	72.8	72.8	4.9	4.9	18.6	18.6	5	4	91	91	<0.2	1.6	1.6	1.7					
					Bottom	6.6	0.3	30	29.5	29.5	7.9	7.9	22.6	22.6	76.6	76.8	5.2	5.2	20.5	20.3	5	4	92	92	<0.2	1.7	1.7	1.8					
						6.6	0.3	30	29.5	29.5	7.9	7.9	22.6	22.6	77.0	76.8	5.2	5.2	20.3	20.3	4	4	92	92	<0.2	1.8	1.8	1.8					
IM6	Fine	Moderate	14:43	7.4	Surface	1.0																											

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Cloudy	Moderate	10:24	9.3	Surface	1.0	0.5	34	29.8	29.8	8.0	8.0	16.4	16.4	84.9	84.8	5.9	5.5	13.5	29.3	6	6	87	91	815598	804241	<0.2	1.8	<0.2	1.8			
						1.0	0.5	36	29.8	29.8	8.0	8.0	16.4	16.4	84.7	84.8	5.9	5.5	13.6	29.3	6	6	88	91	815598	804241	<0.2	1.8	<0.2	1.8			
					Middle	4.7	0.4	27	29.5	29.5	8.0	8.0	19.8	19.8	75.0	74.9	5.1	5.5	24.8	29.3	5	6	92	91	815598	804241	<0.2	1.9	<0.2	1.8			
						4.7	0.4	27	29.5	29.5	8.0	8.0	19.8	19.8	74.8	74.9	5.1	5.5	25.1	29.3	6	6	92	91	815598	804241	<0.2	1.8	<0.2	1.7			
					Bottom	8.3	0.3	28	29.1	29.1	7.9	7.9	26.6	26.6	63.4	63.5	4.2	4.2	49.6	49.6	6	7	94	94	815598	804241	<0.2	1.8	<0.2	1.8			
						8.3	0.3	29	29.1	29.1	7.9	7.9	26.6	26.6	63.6	63.5	4.2	4.2	49.2	49.2	7	7	94	94	815598	804241	<0.2	1.8	<0.2	1.8			
C2	Fine	Moderate	11:21	12.6	Surface	1.0	0.9	12	29.9	29.9	8.1	8.1	18.1	18.1	90.4	90.4	6.2	6.0	11.3	13.0	6	7	88	90	825692	806966	<0.2	1.9	<0.2	1.9			
						1.0	0.9	12	29.9	29.9	8.1	8.1	18.1	18.1	90.3	90.4	6.2	6.0	11.3	13.0	6	7	88	90	825692	806966	<0.2	1.9	<0.2	1.9			
					Middle	6.3	0.5	346	29.8	29.8	8.1	8.1	19.1	19.1	85.4	85.4	5.8	5.7	12.7	13.0	8	7	89	91	825692	806966	<0.2	1.8	<0.2	1.9			
						6.3	0.5	318	29.8	29.8	8.1	8.1	19.1	19.1	85.4	85.4	5.8	5.7	12.7	13.0	8	7	90	91	825692	806966	<0.2	1.9	<0.2	1.9			
					Bottom	11.6	0.6	340	29.8	29.8	8.1	8.1	19.9	19.9	84.3	84.4	5.7	5.7	15.0	15.0	7	8	91	91	825692	806966	<0.2	1.8	<0.2	1.8			
						11.6	0.6	347	29.8	29.8	8.1	8.1	19.9	19.9	84.4	84.4	5.7	5.7	15.0	15.0	8	8	91	91	825692	806966	<0.2	1.8	<0.2	1.8			
C3	Cloudy	Moderate	09:00	11.2	Surface	1.0	0.6	34	30.1	30.1	8.2	8.2	17.6	17.6	94.3	94.2	6.5	6.2	7.7	10.9	4	5	86	88	822089	817796	<0.2	2.0	<0.2	1.8			
						1.0	0.6	37	30.1	30.1	8.2	8.2	17.6	17.6	94.1	94.2	6.5	6.2	7.7	10.9	6	5	85	88	822089	817796	<0.2	1.8	<0.2	1.8			
					Middle	5.6	0.5	212	30.1	30.1	8.1	8.1	18.5	18.5	85.9	85.9	5.9	5.9	9.4	10.9	5	5	88	90	822089	817796	<0.2	1.7	<0.2	2.0			
						5.6	0.5	225	30.1	30.1	8.1	8.1	18.5	18.5	85.8	85.9	5.9	5.9	9.4	10.9	6	5	88	90	822089	817796	<0.2	1.7	<0.2	2.0			
					Bottom	10.2	0.4	247	29.3	29.3	8.0	8.0	24.9	24.9	70.4	70.6	4.7	4.7	15.5	15.4	6	5	90	90	822089	817796	<0.2	1.7	<0.2	1.8			
						10.2	0.5	262	29.3	29.3	8.0	8.0	24.9	24.9	70.8	70.6	4.7	4.7	15.4	15.4	5	5	90	90	822089	817796	<0.2	1.8	<0.2	1.8			
IM1	Cloudy	Moderate	10:41	5.4	Surface	1.0	0.3	27	29.9	29.9	8.0	8.0	15.4	15.4	91.6	91.6	6.4	6.4	9.2	9.3	5	5	88	90	817961	807105	<0.2	1.6	<0.2	1.6			
						1.0	0.4	28	29.9	29.9	8.0	8.0	15.4	15.4	91.6	91.6	6.4	6.4	9.2	9.3	4	5	89	90	817961	807105	<0.2	1.6	<0.2	1.6			
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	-	90	817961	807105	<0.2	-	<0.2	-
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	-	90	817961	807105	<0.2	-	<0.2	-
					Bottom	4.4	0.2	346	29.9	29.9	8.0	8.0	16.4	16.4	91.9	91.9	6.4	6.4	9.3	9.3	5	5	90	91	817961	807105	<0.2	1.7	<0.2	1.7			
						4.4	0.2	318	29.9	29.9	8.0	8.0	16.4	16.4	91.9	91.9	6.4	6.4	9.3	9.3	5	5	91	91	817961	807105	<0.2	1.7	<0.2	1.7			
IM2	Cloudy	Moderate	10:50	7.8	Surface	1.0	0.5	38	29.9	29.9	8.0	8.0	14.7	14.7	88.7	88.6	6.2	6.1	9.7	12.2	4	6	86	88	818172	806175	<0.2	1.8	<0.2	1.7			
						1.0	0.5	38	29.9	29.9	8.0	8.0	14.8	14.7	88.5	88.6	6.2	6.1	9.8	12.2	6	6	86	88	818172	806175	<0.2	1.7	<0.2	1.7			
					Middle	3.9	0.5	35	29.6	29.6	8.0	8.0	16.9	16.9	86.9	86.9	6.0	6.0	11.6	12.2	5	6	88	90	818172	806175	<0.2	1.6	<0.2	1.7			
						3.9	0.6	37	29.6	29.6	8.0	8.0	16.9	16.9	86.9	86.9	6.0	6.0	11.7	12.2	6	6	88	90	818172	806175	<0.2	1.6	<0.2	1.7			
					Bottom	6.8	0.3	13	29.7	29.7	8.0	8.0	18.1	18.1	87.5	87.6	6.0	6.0	15.3	15.3	6	6	90	90	818172	806175	<0.2	1.7	<0.2	1.7			
						6.8	0.4	13	29.7	29.7	8.0	8.0	18.1	18.1	87.7	87.6	6.0	6.0	15.3	15.3	6	6	90	90	818172	806175	<0.2	1.7	<0.2	1.7			
IM3	Fine	Moderate	10:58	8.5	Surface	1.0	0.4	32	30.0	30.0	8.0	8.0	14.7	14.7	87.1	87.1	6.1	5.9	10.8	17.9	4	4	88	90	818783	805610	<0.2	1.8	<0.2	1.8			
						1.0	0.4	33	30.0	30.0	8.0	8.0	14.7	14.7	87.0	87.1	6.1	5.9	10.9	17.9	4	4	88	90	818783	805610	<0.2	1.7	<0.2	1.8			
					Middle	4.3	0.6	30	29.6	29.6	8.0	8.0	17.5	17.5	82.8	82.7	5.7	5.7	15.4	17.9	4	4	89	90	818783	805610	<0.2	1.8	<0.2	1.7			
						4.3	0.6	32	29.6	29.6	8.0	8.0	17.5	17.5	82.6	82.7	5.7	5.7	15.6	17.9	4	4	90	90	818783	805610	<0.2	1.7	<0.2	1.7			
					Bottom	7.5	0.5	20	29.5	29.5	8.0	8.0	21.9	21.9	81.5	81.7	5.5	5.5	27.5	26.9	4	5	92	92	818783	805610	<0.2	1.8	<0.2	1.8			
						7.5	0.5	20	29.5	29.5	8.0	8.0	21.9	21.9	81.8	81.7	5.5	5.5	26.9	26.9	5	5	92	92	818783	805610	<0.2	1.8	<0.2	1.8			
IM4	Fine	Moderate	11:09	8.2	Surface	1.0	0.5	11	30.3	30.2	7.9	7.9	14.0	14.0	87.2	87.2	6.1	5.8	9.6	13.8	3	3	88	90	819718	804620	<0.2	1.9	<0.2	1.8			
						1.0	0.6	11	30.2	30.2	7.9	7.9	14.1	14.0	87.1	87.2	6.1	5.8	9.6	13.8	3	3	88	90	819718	804620	<0.2	1.8	<0.2	1.8			
					Middle	4.1	0.7	6	29.6	29.6	8.0	8.0	17.4	17.4	79.0	78.9	5.5	5.4	12.0	13.8	3	3	89	90	819718	804620	<0.2	1.8	<0.2	1.8			
						4.1	0.7	6	29.6	29.6	8.0	8.0	17.4	17.4	78.8	78.9	5.4	5.4	12.2	13.8	3	3	90	90	819718	804620	<0.2	1.8	<0.2	1.8			
					Bottom	7.2	0.5	355	29.5	29.5	7.9	7.9	23.3	23.3	76.1	76.3	5.1	5.1	19.7	19.8	4	3	92	92	819718	804620	<0.2	1.8	<0.2	1.8			
						7.2	0.5	327	29.5	29.5	7.9	7.9	23.3	23.3	76.5	76.3	5.1	5.1	19.8	19.8	3	3	92	92	819718	804620	<0.2	1.8	<0.2	1.8			
IM5	Fine	Moderate	11:19	7.5	Surface	1.0	0.7	23	30.0	30.0	8.0	8.0	16.5	16.5	87.2	87.2	6.0	5.9	9.2	14.6	4	4	88	90	820742	804847	<0.2	1.7	<0.2	1.7			
						1.0	0.7	24	30.0	30.0	8.0	8.0	16.5	16.5	87.2	87.2	6.0	5.9	9.3	14.6	3	4	88	90	820742	804847	<0.2	1.7	<0.2	1.7			
					Middle	3.8	0.7	30	29.7	29.7	8.0	8.0	17.8	17.8	82.7	82.7	5.7	5.7	12.1	14.6	4	4	90	90	820742	804847	<0.2	1.8	<0.2	1.8			
						3.8	0.7	30	29.7	29.7	8.0	8.0	17.8	17.8	82.6	82.7	5.7	5.7	12.3	14.6	3	4	90	90	820742	804847</							

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
IM9	Fine	Moderate	10:19	8.2	Surface	1.0	0.2	329	30.2	30.2	8.0	8.0	13.9	13.9	89.9	89.9	6.3	6.0	8.9	13.0	3	4	88	90	822071	808805	<0.2	2.0	<0.2	1.9							
						1.0	0.2	343	30.2		8.0	8.0	13.9	13.9	89.8	89.9	6.3		8.9		4		88														
					Middle	4.1	0.1	319	29.6	29.6	8.1	8.1	17.0	17.0	82.2	82.1	5.7	12.2	4	89	<0.2	1.8															
						4.1	0.1	325	29.6	29.6	8.1	8.1	17.0	17.0	82.0	82.1	5.7	12.4	4	90	<0.2	1.8															
					Bottom	7.2	0.3	310	29.5	29.5	8.1	8.1	21.8	21.8	83.5	83.6	5.7	17.9	5	92	<0.2	1.9															
						7.2	0.3	329	29.5	29.5	8.1	8.1	21.9	21.8	84.4	84.0	5.7	17.9	3	92	<0.2	2.0															
IM10	Fine	Moderate	10:10	8.3	Surface	1.0	0.2	315	29.9	29.9	8.1	8.1	15.0	15.0	89.1	89.1	6.2	6.0	9.7	15.4	4	4	89	92	822358	809774	<0.2	1.8	<0.2	1.8							
						1.0	0.2	338	29.9		8.1	8.1	15.0	15.0	89.0	89.1	6.2		9.8		4		89														
					Middle	4.2	0.2	278	29.6	29.6	8.1	8.1	17.2	17.2	83.7	83.6	5.8	14.5	4	92	<0.2	1.9															
						4.2	0.2	291	29.6	29.6	8.1	8.1	17.2	17.2	83.5	83.6	5.8	14.5	5	92	<0.2	1.8															
					Bottom	7.3	0.4	326	29.6	29.6	8.1	8.1	20.0	20.0	81.3	81.4	5.6	21.9	4	93	<0.2	1.8															
						7.3	0.4	331	29.6	29.6	8.1	8.1	20.0	20.0	81.4	81.4	5.6	22.1	5	94	<0.2	1.7															
IM11	Fine	Moderate	10:00	9.4	Surface	1.0	0.3	347	30.0	30.0	8.1	8.1	14.5	14.5	91.0	91.0	6.4	6.2	8.8	13.9	4	4	87	90	822035	811436	<0.2	1.9	<0.2	1.8							
						1.0	0.3	319	30.0		8.1	8.1	14.5	14.5	90.9	91.0	6.4		8.8		4		88														
					Middle	4.7	0.2	322	29.6	29.6	8.1	8.1	16.8	16.8	86.8	86.7	6.0	14.0	4	89	<0.2	1.6															
						4.7	0.2	324	29.6	29.6	8.1	8.1	16.9	16.8	86.5	86.7	6.0	14.9	4	90	<0.2	1.8															
					Bottom	8.4	0.5	270	29.7	29.7	8.1	8.1	19.5	19.5	84.4	84.5	5.8	18.6	4	92	<0.2	1.8															
						8.4	0.5	289	29.7	29.7	8.1	8.1	19.5	19.5	84.5	84.5	5.8	18.5	5	92	<0.2	1.9															
IM12	Cloudy	Moderate	09:51	8.2	Surface	1.0	0.2	282	30.0	30.0	8.1	8.1	14.9	14.9	94.0	94.0	6.6	6.6	8.5	9.2	2	4	88	90	821475	812029	<0.2	1.9	<0.2	1.8							
						1.0	0.2	302	30.0		8.1	8.1	14.9	14.9	94.0	94.0	6.6		8.6		4		89														
					Middle	4.1	0.4	286	29.8	29.8	8.1	8.1	16.1	16.1	93.9	93.9	6.5	9.5	5	89	<0.2	2.0															
						4.1	0.4	305	29.8	29.8	8.1	8.1	16.1	16.1	93.9	93.9	6.5	9.4	4	89	<0.2	1.8															
					Bottom	7.2	0.3	317	29.8	29.8	8.1	8.1	16.4	16.4	94.1	94.1	6.5	9.6	4	92	<0.2	1.9															
						7.2	0.3	346	29.8	29.8	8.1	8.1	16.4	16.4	94.1	94.1	6.5	9.6	4	92	<0.2	1.9															
SR2	Cloudy	Moderate	09:23	4.7	Surface	1.0	0.0	240	29.7	29.7	8.1	8.1	15.8	15.8	86.7	86.5	6.0	6.0	14.8	16.7	4	5	88	89	821490	814166	<0.2	1.7	<0.2	1.8							
						1.0	0.0	244	29.7		8.1	8.1	15.8	15.8	86.3	86.5	6.0		15.1		4		88														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
					Bottom	3.7	0.0	325	29.5	29.5	8.1	8.1	19.3	19.3	88.5	88.7	6.1	18.4	4	90	<0.2	1.9															
						3.7	0.0	356	29.5	29.5	8.1	8.1	19.3	19.3	88.8	88.7	6.1	18.5	6	89	<0.2	1.8															
SR3	Fine	Moderate	10:53	9.6	Surface	1.0	0.4	28	30.0	30.0	8.1	8.1	18.0	18.0	90.4	90.4	6.2	6.1	10.4	11.8	9	10	-	-	822152	807566	-	-	-	-							
						1.0	0.5	30	30.0		8.1	8.1	18.0	18.0	90.4	90.4	6.2		10.4		8		-														
					Middle	4.8	0.3	11	29.8	29.8	8.1	8.1	19.3	19.3	86.1	86.1	5.9	12.1	9	-	-																
						4.8	0.3	11	29.8	29.8	8.1	8.1	19.3	19.3	86.1	86.1	5.9	12.2	10	-	-																
					Bottom	8.6	0.2	332	29.8	29.8	8.1	8.1	19.8	19.8	86.8	86.9	5.9	13.0	11	-	-																
						8.6	0.2	356	29.8	29.8	8.1	8.1	19.8	19.8	86.9	86.9	5.9	12.9	12	-	-																
SR4A	Cloudy	Calm	10:01	9.4	Surface	1.0	0.1	128	30.2	30.2	8.0	8.0	18.1	18.1	89.5	89.4	6.1	5.7	9.0	11.6	3	4	-	-	817206	807786	-	-	-	-							
						1.0	0.1	139	30.2		8.0	8.0	18.1	18.1	89.2	89.4	6.1		9.1		3		-														
					Middle	4.7	0.1	232	30.0	30.0	8.0	8.0	19.4	19.4	76.2	76.0	5.2	11.3	4	-	-																
						4.7	0.1	243	30.0	30.0	8.0	8.0	19.4	19.4	75.8	76.0	5.2	11.4	4	-	-																
					Bottom	8.4	0.2	235	29.4	29.4	7.9	7.9	25.2	25.2	71.8	72.1	4.8	14.5	4	-	-																
						8.4	0.2	244	29.4	29.4	7.9	7.9	25.2	25.2	72.3	72.1	4.8	14.5	4	-	-																
SR5A	Cloudy	Calm	09:43	4.7	Surface	1.0	0.3	309	30.3	30.3	8.0	8.0	20.2	20.2	86.2	86.3	5.8	5.8	14.9	16.1	7	7	-	-	816587	810679	-	-	-	-							
						1.0	0.3	333	30.3		8.0	8.0	20.2	20.2	86.3	86.3	5.8		14.9		6		-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
					Bottom	3.7	0.2	302	30.3	30.3	8.0	8.0	20.2	20.2	86.9	87.0	5.9	17.0	7	-	-																
						3.7	0.2	311	30.3	30.3	8.0	8.0	20.2	20.2	87.1	87.0	5.9	17.5	8	-	-																
SR6	Cloudy	Moderate	09:19	4.4	Surface	1.0	0.1	262	30.4	30.4	8.0	8.0	19.4	19.4	88.7	88.7	6.0	6.0	9.0	10.0	5	6	-	-	817899	814639	-	-	-	-							
						1.0	0.1	267	30.4		8.0	8.0	19.4	19.4	88.6	88.7	6.0		9.1		5		-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-			-	-	-	-	-	-	-
					Bottom	3.4	0.1	232	30.4	30.4	7.9	7.9	20.4	20.4	82.4	82.6	5.5	10.9	6	-	-																
						3.4	0.1	248	30.4	30.4	7.9	7.9	20.4	20.4	82.7	82.6	5.6	10.9	6	-	-																
SR7	Cloudy	Moderate	08:26	20.4	Surface	1.0	0.1	111	30.2	30.2	8.0	8.0	18.7	18.7	87.5	87.4	6.0	5.6	6.1	6.5	4	5	-	-	823624	823767	-	-	-	-							
						1.0	0.1	111	30.2		8.0	8.0	18.7	18.7	87.3	87.4	5.9		6.1		3		-														
					Middle	10.2	0.1	146	29.8	29.8	8.0	8.0	21.6	21.6	79.3	79.3	5.3	6.2	5	-	-																
						10.2	0.1	160	29.8	29.8	8.0	8.0	21.6	21.6	79.2	79.3	5.3	6.2	4	-	-																
					Bottom	19.4	0.1	237	28.1	28.1	8.0	8.0	28.1	28.1	71.1	71.3	4.8	7.1	5	-	-																
						19.4	0.1	254	28.1	28.1	8.0	8.0	28.1	28.1	71.5	71.3	4.8	7.1	6	-	-																
SR8	Cloudy	Moderate	09:45	4.6	Surface	1.0	-	-	29.7	29.7	8.1	8.1	16.2	16.2	87.6	87.5	6.1	6.1	12.9	14.1	4	5	-	-	820246	811418	-	-	-	-							
						1.0	-	-	29.7		8.1	8.1	16.2	16.2	87.4	87.5	6.1		13.0		4		-														
					Middle	-	-	-	-	-																											

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	16:59	8.6	Surface	1.0	0.3	210	30.3	8.2	8.2	20.6	20.6	105.5	105.5	7.1	7.0	11.6	14.5	10	9	85	88	815630	804276	<0.2	<0.2	1.8	1.8							
						1.0	0.3	211	30.3	8.2	8.2	20.6	20.6	105.5	105.5	7.1	7.0	11.6	14.5	9	9	86	88	<0.2	<0.2	1.8	1.8									
						4.3	0.3	219	30.3	8.2	8.2	22.6	22.6	104.3	104.3	6.9	6.8	13.5	14.5	8	8	88	88	<0.2	<0.2	1.7	1.9									
					Middle	4.3	0.3	237	30.3	8.2	8.2	22.6	22.6	104.3	104.3	6.9	6.8	13.5	14.5	8	8	88	88	<0.2	<0.2	1.7	1.9									
						7.6	0.5	198	30.2	8.2	8.2	24.5	24.5	103.0	103.0	6.8	6.8	18.3	14.5	8	8	90	90	<0.2	<0.2	1.9	1.8									
						7.6	0.5	205	30.2	8.2	8.2	24.5	24.5	103.0	103.0	6.8	6.8	18.3	14.5	9	9	91	91	<0.2	<0.2	1.8	1.8									
C2	Fine	Moderate	16:02	12.1	Surface	1.0	0.4	176	30.1	7.9	7.9	14.7	14.7	89.9	89.9	6.3	6.0	15.3	15.0	3	4	86	88	825652	806928	<0.2	<0.2	0.8	0.8							
						1.0	0.4	186	30.1	7.9	7.9	14.7	14.7	89.9	89.9	6.3	6.0	15.4	15.0	3	4	86	88	<0.2	<0.2	0.9	0.8									
						6.1	0.3	165	29.8	7.9	7.9	21.4	21.4	82.8	82.8	5.6	5.5	13.7	15.0	4	4	88	88	<0.2	<0.2	0.8	0.8									
					Middle	6.1	0.3	179	29.8	7.9	7.9	21.4	21.4	82.7	82.8	5.6	5.5	13.8	15.0	4	4	88	88	<0.2	<0.2	0.8	0.8									
						11.1	0.5	160	29.3	7.9	7.9	22.0	22.0	80.5	80.6	5.5	5.5	16.0	15.0	4	4	90	90	<0.2	<0.2	0.8	0.8									
						11.1	0.5	175	29.4	7.9	7.9	22.0	22.0	80.7	80.6	5.5	5.5	16.0	15.0	4	4	90	90	<0.2	<0.2	0.8	0.8									
C3	Fine	Moderate	17:56	12.3	Surface	1.0	0.4	143	29.2	8.0	8.0	22.7	22.7	87.5	87.5	5.9	5.9	11.4	10.5	4	4	86	85	822090	817813	<0.2	<0.2	0.7	0.8							
						1.0	0.4	144	29.2	8.0	8.0	22.7	22.7	87.5	87.5	5.9	5.9	11.4	10.5	4	4	85	89	<0.2	<0.2	0.8	0.8									
						6.2	0.2	198	29.2	8.0	8.0	26.0	26.0	87.5	87.5	5.8	5.8	10.0	10.5	5	4	89	88	<0.2	<0.2	0.8	0.8									
					Middle	6.2	0.2	217	29.2	8.0	8.0	26.0	26.0	87.5	87.5	5.8	5.8	10.0	10.5	4	4	88	90	<0.2	<0.2	0.8	0.7									
						11.3	0.4	173	29.2	8.0	8.0	26.5	26.5	88.0	88.0	5.8	5.8	10.0	10.5	5	4	90	90	<0.2	<0.2	0.7	0.7									
						11.3	0.5	178	29.2	8.0	8.0	26.5	26.5	88.0	88.0	5.8	5.8	10.0	10.5	4	4	90	90	<0.2	<0.2	0.7	0.7									
IM1	Cloudy	Moderate	16:43	5.4	Surface	1.0	0.1	155	30.3	8.2	8.2	22.1	22.1	103.9	103.9	6.9	6.9	9.6	10.5	5	6	85	86	817949	807130	<0.2	<0.2	1.7	1.5							
						1.0	0.1	156	30.3	8.2	8.2	22.2	22.1	103.9	103.9	6.9	6.9	9.6	10.5	6	6	86	86	<0.2	<0.2	1.5	1.5									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-				
					Middle	4.4	0.2	170	30.3	8.2	8.2	22.4	22.4	102.4	102.4	6.8	6.8	11.4	10.5	6	6	89	89	<0.2	<0.2	1.7	1.7									
						4.4	0.2	185	30.3	8.2	8.2	22.4	22.4	102.4	102.4	6.8	6.8	11.4	10.5	7	6	89	89	<0.2	<0.2	1.7	1.7									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	-				
IM2	Cloudy	Moderate	16:37	8.9	Surface	1.0	0.2	190	30.4	8.2	8.2	19.0	19.0	104.1	104.1	7.0	7.0	10.5	11.2	10	11	85	86	818179	806167	<0.2	<0.2	1.4	1.5							
						1.0	0.3	205	30.4	8.2	8.2	19.0	19.0	104.1	104.1	7.0	7.0	10.5	11.2	11	11	86	87	<0.2	<0.2	1.5	1.5									
						4.5	0.3	198	30.3	8.2	8.2	21.0	21.0	102.9	102.9	6.9	6.9	11.7	11.2	11	11	87	87	<0.2	<0.2	1.5	1.5									
					Middle	4.5	0.3	202	30.3	8.2	8.2	21.0	21.0	102.9	102.9	6.9	6.9	11.7	11.2	11	11	87	88	<0.2	<0.2	1.5	1.3									
						7.9	0.1	125	30.3	8.2	8.2	22.1	22.1	102.4	102.4	6.8	6.8	11.4	11.2	12	11	88	88	<0.2	<0.2	1.3	1.7									
						7.9	0.1	135	30.3	8.2	8.2	22.1	22.1	102.4	102.4	6.8	6.8	11.4	11.2	11	11	88	88	<0.2	<0.2	1.3	1.7									
IM3	Cloudy	Moderate	16:32	8.5	Surface	1.0	0.2	201	30.4	8.2	8.2	18.0	18.0	104.2	104.2	7.1	7.1	10.3	10.9	7	8	86	86	818778	805564	<0.2	<0.2	1.7	1.8							
						1.0	0.2	219	30.4	8.2	8.2	18.0	18.0	104.2	104.2	7.1	7.1	10.3	10.9	8	8	86	87	<0.2	<0.2	1.7	1.8									
						4.3	0.2	176	30.4	8.2	8.2	20.1	20.1	103.3	103.3	7.0	7.0	10.9	10.9	8	8	87	88	<0.2	<0.2	1.7	1.8									
					Middle	4.3	0.2	185	30.4	8.2	8.2	20.1	20.1	103.3	103.3	7.0	7.0	10.9	10.9	8	8	88	89	<0.2	<0.2	1.8	1.8									
						7.5	0.1	194	30.3	8.2	8.2	20.7	20.7	102.8	102.8	6.9	6.9	11.4	11.4	9	9	89	89	<0.2	<0.2	1.8	1.8									
						7.5	0.1	194	30.3	8.2	8.2	20.8	20.8	102.8	102.8	6.9	6.9	11.4	11.4	9	9	89	89	<0.2	<0.2	1.6	1.6									
IM4	Cloudy	Moderate	16:24	8.1	Surface	1.0	0.3	165	30.4	8.2	8.2	17.6	17.6	104.8	104.8	7.2	7.2	11.5	11.6	8	8	85	86	819710	804608	<0.2	<0.2	1.6	1.6							
						1.0	0.3	166	30.4	8.2	8.2	17.7	17.7	104.8	104.8	7.2	7.2	11.5	11.6	7	8	86	86	<0.2	<0.2	1.6	1.6									
						4.1	0.2	170	30.4	8.2	8.2	17.9	17.9	104.2	104.2	7.1	7.1	11.1	11.6	8	8	87	86	<0.2	<0.2	1.7	1.6									
					Middle	4.1	0.2	178	30.4	8.2	8.2	17.9	17.9	104.2	104.2	7.1	7.1	11.1	11.6	8	8	86	89	<0.2	<0.2	1.6	1.6									
						7.1	0.2	162	30.3	8.2	8.2	18.3	18.3	103.1	103.1	7.0	7.0	12.2	12.2	8	8	89	89	<0.2	<0.2	1.7	1.7									
						7.1	0.3	175	30.2	8.2	8.2	18.3	18.3	103.1	103.1	7.0	7.0	12.2	12.2	9	8	89	89	<0.2	<0.2	1.6	1.6									
IM5	Cloudy	Moderate	16:15	7.4	Surface	1.0	0.2	154	30.3	8.1	8.1	16.4	16.4	100.8	100.8	6.9	6.9	12.5	15.5	8	8	86	86	820731	804838	<0.2	<0.2	1.8	1.7							
						1.0	0.2	159	30.3	8.1	8.1	16.4	16.4	100.8	100.8	6.9	6.9	12.5	15.5	7	8	86	88	<0.2	<0.2	1.7	1.8									
						3.7	0.1	241	30.3	8.1	8.1	16.4	16.4	100.1	100.1	6.9	6.9	16.8	15.5	8	8	88	89	<0.2	<0.2	1.8	1.8									
					Middle	3.7	0.1	248	30.3	8.1	8.1	16.4	16.4	100.1	100.1	6.9	6.9	16.8	15.5	7	8	89	88	<0.2	<0.2	1.8	1.8									
						6.4	0.2	265	30.2	8.1	8.1	16.4	16.5	100.1	100.3	6.9	6.9	18.2	16.1	7	8	88	89	<0.2	<0.2	1.6	1.6									
						6.4	0.2	288	30.2	8.1	8.1	16.5	16.5	100.5	100.3	6.9	6.9	16.1	16.1	8	8	89	89	<0.2	<0.2	1.6	1.6									
IM6	Cloudy	Moderate	16:08	7.3	Surface	1.0	0.3	150	30.3	8.1	8.1	16.1	16.1	100.7	100.7	6.9	6.9	13.6	16.4	8	8	85	86	821076	805830	<0.2	<0.2	1.6	1.5							
						1.0	0.3	151	30.3	8.1	8.1	16.1	16.1	100.7	100.7	6.9	6.9	13.6	16.4	8	8	86	87	<0.2	<0.2	1.5	1.7									
						3.7	0.3	187	30.3	8.1	8.1	16.2	16.2	100.0	100.1																					

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	16:38	7.5	Surface	1.0	0.2	133	30.0		8.1	8.1	14.9	14.9	90.1	90.1	6.3	6.2	11.8	13.8	3	3	86	88	88	822077	808820	<0.2	<0.2	1.0	1.0					
						1.0	0.2	137	30.0		8.1	8.1	14.9	14.9	90.1	90.1	6.3	6.2	11.8	13.8	2	3	88	88	88			<0.2	<0.2	1.2	1.2					
					Middle	3.8	0.2	104	29.7	29.7	8.1	8.1	15.8	15.8	85.7	85.6	6.0	6.0	13.1	13.1	2	3	88	88	88			<0.2	<0.2	1.2	1.2					
						3.8	0.2	108	29.7	29.7	8.1	8.1	15.8	15.8	85.5	85.6	6.0	6.0	13.1	13.1	3	3	88	88	88			<0.2	<0.2	0.9	0.9					
					Bottom	6.5	0.1	143	29.5	29.5	8.1	8.1	16.1	16.0	83.4	83.5	5.8	5.8	16.6	16.6	2	3	90	90	90			<0.2	<0.2	1.2	1.2					
						6.5	0.1	153	29.5	29.5	8.1	8.1	16.0	16.0	83.5	83.5	5.8	5.8	16.4	16.4	3	3	90	90	90			<0.2	<0.2	1.3	1.3					
IM10	Fine	Moderate	16:47	8.5	Surface	1.0	0.3	121	29.9	29.9	8.0	8.0	16.0	16.0	90.2	90.2	6.3	6.2	12.8	13.6	3	3	86	86	88	822381	809820	<0.2	<0.2	1.2	1.2					
						1.0	0.3	122	29.9	29.9	8.0	8.0	16.0	16.0	90.2	90.2	6.3	6.2	12.8	13.6	2	3	86	86	88			<0.2	<0.2	1.2	1.2					
					Middle	4.3	0.3	101	29.7	29.7	8.1	8.1	17.2	17.2	86.6	86.6	6.0	6.0	13.5	13.5	3	3	88	88	88			<0.2	<0.2	1.2	1.2					
						4.3	0.3	102	29.7	29.7	8.1	8.1	17.2	17.2	86.6	86.6	6.0	6.0	13.5	13.5	2	3	88	88	88			<0.2	<0.2	1.2	1.2					
					Bottom	7.5	0.2	129	29.5	29.5	8.1	8.1	17.4	17.4	85.2	85.3	5.9	5.9	14.4	14.4	3	3	90	90	90			<0.2	<0.2	1.2	1.2					
						7.5	0.3	139	29.5	29.5	8.1	8.1	17.4	17.4	85.3	85.3	5.9	5.9	14.4	14.4	4	3	90	90	90			<0.2	<0.2	1.3	1.3					
IM11	Fine	Moderate	17:01	7.8	Surface	1.0	0.4	129	30.1	30.1	8.1	8.1	18.4	18.4	93.4	93.4	6.4	6.2	12.4	14.2	2	3	86	86	88	822055	811457	<0.2	<0.2	1.4	1.4					
						1.0	0.4	134	30.1	30.1	8.1	8.1	18.4	18.4	93.4	93.4	6.4	6.2	12.4	14.2	3	3	86	86	88			<0.2	<0.2	1.3	1.3					
					Middle	3.9	0.4	113	29.7	29.7	8.1	8.1	21.1	21.1	87.9	87.9	5.9	5.9	14.6	14.6	2	3	88	88	88			<0.2	<0.2	1.6	1.6					
						3.9	0.4	116	29.7	29.7	8.1	8.1	21.0	21.1	87.8	87.9	5.9	5.9	14.8	14.8	2	3	88	88	88			<0.2	<0.2	1.2	1.2					
					Bottom	6.8	0.3	146	29.4	29.4	8.1	8.1	23.3	23.3	85.9	85.9	5.8	5.8	15.4	15.4	4	3	90	90	90			<0.2	<0.2	1.6	1.6					
						6.8	0.3	156	29.4	29.4	8.1	8.1	23.3	23.3	85.9	85.9	5.8	5.8	15.3	15.3	3	3	90	90	90			<0.2	<0.2	1.4	1.4					
IM12	Fine	Moderate	17:10	8.4	Surface	1.0	0.5	99	30.2	30.2	8.1	8.1	18.2	18.2	97.7	97.7	6.7	6.6	12.9	16.5	3	4	86	86	88	821436	812040	<0.2	<0.2	0.8	0.8					
						1.0	0.5	102	30.2	30.2	8.1	8.1	18.2	18.2	97.6	97.7	6.7	6.6	12.9	16.5	2	4	86	86	88			<0.2	<0.2	0.8	0.8					
					Middle	4.2	0.5	102	29.9	29.9	8.1	8.1	20.1	20.1	93.8	93.8	6.4	6.4	14.6	14.6	3	4	88	88	88			<0.2	<0.2	0.7	0.7					
						4.2	0.5	105	29.9	29.9	8.1	8.1	20.2	20.1	93.7	93.8	6.4	6.4	14.7	14.7	4	4	88	88	88			<0.2	<0.2	0.8	0.8					
					Bottom	7.4	0.3	110	29.7	29.7	8.1	8.1	21.1	21.1	89.1	89.2	6.0	6.0	22.0	22.0	4	4	90	90	90			<0.2	<0.2	0.9	0.9					
						7.4	0.3	110	29.7	29.7	8.1	8.1	21.1	21.1	89.2	89.2	6.0	6.0	21.8	21.8	5	4	90	90	90			<0.2	<0.2	0.9	0.9					
SR2	Fine	Moderate	17:36	3.9	Surface	1.0	0.3	105	30.3	30.3	8.0	8.0	20.9	20.9	98.8	98.8	6.6	6.6	12.5	14.5	3	4	86	86	88	821472	814165	<0.2	<0.2	0.7	0.7					
						1.0	0.3	106	30.3	30.3	8.0	8.0	20.9	20.9	98.7	98.7	6.6	6.6	12.5	14.5	4	4	86	86	88			<0.2	<0.2	0.7	0.7					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	2.9	0.2	94	30.0	30.0	8.0	8.0	24.1	23.1	97.3	97.4	6.5	6.5	16.5	16.5	3	4	88	88	88			<0.2	<0.2	0.6	0.6					
						2.9	0.2	100	30.0	30.0	8.0	8.0	22.0	23.1	97.5	97.4	6.5	6.5	16.6	16.6	4	4	88	88	88			<0.2	<0.2	0.6	0.6					
SR3	Fine	Moderate	16:23	9.3	Surface	1.0	0.2	107	30.1	30.1	8.0	8.0	15.0	15.1	92.7	92.6	5.4	5.5	12.3	15.1	4	3	-	-	-	822159	807584	-	-	-	-					
						1.0	0.2	111	30.1	30.1	8.0	8.0	15.2	17.6	92.5	92.6	5.4	5.5	12.3	15.1	3	3	-	-	-			-	-	-	-					
					Middle	4.7	0.2	142	29.4	29.4	8.0	8.0	17.6	17.6	80.6	80.7	5.6	5.6	14.5	14.5	3	3	-	-	-			-	-	-	-					
						4.7	0.2	146	29.4	29.4	8.0	8.0	17.6	18.2	80.7	80.7	5.6	5.7	14.5	14.5	4	3	-	-	-			-	-	-	-					
					Bottom	8.3	0.2	215	29.5	29.5	8.0	8.0	18.2	18.2	82.9	83.0	5.7	5.7	18.4	18.4	3	3	-	-	-			-	-	-	-					
						8.3	0.2	224	29.5	29.5	8.0	8.0	18.2	18.2	83.1	83.0	5.7	5.7	18.3	18.3	3	3	-	-	-			-	-	-	-					
SR4A	Cloudy	Calm	17:21	8.3	Surface	1.0	0.1	342	30.3	30.3	8.2	8.2	21.2	21.2	101.5	101.5	6.8	6.8	11.5	13.3	5	6	-	-	-	817179	807825	-	-	-	-					
						1.0	0.1	353	30.3	30.3	8.2	8.2	21.2	21.2	101.5	101.5	6.8	6.8	11.5	13.3	5	6	-	-	-			-	-	-	-					
					Middle	4.2	0.1	301	30.3	30.3	8.2	8.2	21.2	21.2	100.9	100.9	6.8	6.8	13.6	13.6	6	6	-	-	-			-	-	-	-					
						4.2	0.1	304	30.3	30.3	8.2	8.2	21.2	21.2	100.9	100.9	6.8	6.8	13.6	13.6	7	6	-	-	-			-	-	-	-					
					Bottom	7.3	0.0	140	30.3	30.3	8.2	8.2	21.3	21.3	100.4	100.4	7.3	7.0	14.8	14.8	7	6	-	-	-			-	-	-	-					
						7.3	0.0	142	30.3	30.3	8.2	8.2	21.3	21.3	100.4	100.4	7.3	7.0	14.8	14.8	8	6	-	-	-			-	-	-	-					
SR5A	Cloudy	Calm	17:37	3.7	Surface	1.0	0.2	290	30.3	30.3	8.1	8.1	20.1	20.1	99.7	99.7	6.7	6.7	13.7	13.6	11	11	-	-	-	816580	810670	-	-	-	-					
						1.0	0.2	310	30.3	30.3	8.1	8.1	20.1	20.1	99.7	99.7	6.7	6.7	13.7	13.6	11	11	-	-	-			-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	2.7	0.1	235	30.3	30.3	8.1	8.1	20.4	20.4	99.8	99.8	6.7	6.7	13.5	13.5	11	11	-	-	-			-	-	-	-					
						2.7	0.1	251	30.3	30.3	8.1	8.1	20.4	20.4	99.8																					

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
C1	Fine	Moderate	12:30	9.4	Surface	1.0	0.5	56	28.9	8.1	8.1	22.9	22.9	101.4	101.4	6.9	6.9	10.3	10.3	9	9	85	85	88	815615	804223	<0.2	1.4	1.5					
						1.0	0.5	60	28.9	28.9	8.1	8.1	22.8	22.8	101.4	101.4	6.9	6.9	10.3	10.3	9	9	87				87	<0.2		1.4				
					Middle	4.7	0.4	50	28.9	28.9	8.1	8.1	23.8	23.8	101.6	101.6	6.9	6.9	20.0	20.0	9	9	89				89	<0.2		1.6				
						4.7	0.4	54	28.9	28.9	8.1	8.1	23.8	23.8	101.6	101.6	6.9	6.9	20.0	20.0	9	9	88				88	<0.2		1.4				
					Bottom	8.4	0.3	33	29.2	29.2	8.1	8.1	17.6	17.6	100.2	100.2	7.0	7.0	11.1	11.1	11	11	90				90	91		91	<0.2	1.7		
						8.4	0.3	35	29.2	29.2	8.1	8.1	17.6	17.6	100.2	100.2	7.0	7.0	11.1	11.1	11	11	91				91	91		91	<0.2	1.6		
C2	Fine	Moderate	12:34	12.5	Surface	1.0	0.9	10	29.7	7.9	7.9	16.2	16.2	91.9	91.9	6.4	6.4	9.8	9.8	6	6	86	86	89	825681	806966	<0.2	0.7	0.7					
						1.0	0.9	10	29.7	29.7	7.9	7.9	16.2	16.2	91.8	91.9	6.4	6.4	9.8	9.8	6	6	87				87	<0.2		0.7				
					Middle	6.3	0.5	342	29.8	29.8	8.0	8.0	21.1	21.1	84.8	84.8	5.7	5.7	11.2	11.2	5	5	88				88	<0.2		0.6				
						6.3	0.6	315	29.8	29.8	8.0	8.0	21.1	21.1	84.8	84.8	5.7	5.7	11.3	11.3	6	6	89				89	<0.2		0.7				
					Bottom	11.5	0.6	340	29.6	29.6	8.0	8.0	22.9	22.9	81.8	82.0	6.5	6.5	13.7	13.7	7	7	91				91	91		91	<0.2	0.7		
						11.5	0.7	340	29.6	29.6	8.0	8.0	22.9	22.9	82.1	82.0	6.5	6.5	13.8	13.8	6	6	91				91	91		91	<0.2	0.7		
C3	Fine	Moderate	10:44	11.9	Surface	1.0	0.6	32	29.7	29.7	8.0	8.0	23.7	23.7	86.9	86.9	5.8	5.8	7.9	7.9	6	6	86	86	88	822101	817773	<0.2	0.6	0.6				
						1.0	0.6	32	29.7	29.7	8.0	8.0	23.7	23.7	86.9	86.9	5.8	5.8	7.9	7.9	5	5	86	86				<0.2	0.7					
					Middle	6.0	0.5	234	29.5	29.4	8.0	8.0	25.7	25.7	74.5	74.4	4.9	4.9	9.4	9.4	5	5	88	88				<0.2	0.6					
						6.0	0.5	240	29.4	29.4	8.0	8.0	25.7	25.7	74.2	74.4	4.9	4.9	9.4	9.4	6	6	88	88				<0.2	0.7					
					Bottom	10.9	0.4	240	27.7	27.7	8.0	8.0	26.0	26.0	71.8	72.0	4.9	4.9	11.3	11.3	6	6	90	90				90	90		<0.2	0.6		
						10.9	0.5	256	27.8	27.7	8.0	8.0	26.1	26.0	72.1	72.0	4.9	4.9	11.2	11.2	5	5	90	90				90	90		<0.2	0.6		
IM1	Fine	Moderate	12:30	5.3	Surface	1.0	0.3	39	29.1	29.1	8.1	8.1	19.3	19.3	99.7	99.7	6.9	6.9	9.9	9.9	11	11	85	85	87	817922	807144	<0.2	1.5	1.5				
						1.0	0.3	41	29.1	29.1	8.1	8.1	19.3	19.3	99.7	99.7	6.9	6.9	9.9	9.9	11	11	86	86				<0.2	1.5					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		87	87	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
					Bottom	4.3	0.3	327	29.0	29.0	8.1	8.1	22.4	22.4	100.2	100.2	6.8	6.8	14.1	14.1	11	11	89	89				88	88		<0.2	1.6		
						4.3	0.3	340	29.0	29.0	8.1	8.1	22.3	22.4	100.2	100.2	6.8	6.8	14.1	14.1	12	12	88	88				88	88		<0.2	1.4		
IM2	Fine	Moderate	12:18	8.3	Surface	1.0	0.5	43	29.3	29.3	8.1	8.1	19.6	19.6	102.4	102.4	7.0	7.0	9.7	9.7	7	7	86	86	88	818168	806165	<0.2	1.3	1.5				
						1.0	0.6	44	29.3	29.3	8.1	8.1	19.6	19.6	102.4	102.4	7.0	7.0	9.6	9.6	7	7	86	86				<0.2	1.6					
					Middle	4.2	0.3	11	28.9	28.9	8.1	8.1	23.9	23.8	100.7	100.7	6.8	6.8	14.6	14.6	8	8	89	89				<0.2	1.6					
						4.2	0.3	12	28.9	28.9	8.1	8.1	23.7	23.8	100.7	100.7	6.8	6.8	14.6	14.6	8	8	88	88				<0.2	1.4					
					Bottom	7.3	0.4	357	28.9	28.9	8.2	8.2	26.9	26.9	99.9	99.9	6.6	6.6	24.5	24.5	10	10	90	90				90	90		<0.2	1.4		
						7.3	0.4	329	28.9	28.9	8.2	8.2	26.9	26.9	99.9	99.9	6.6	6.6	24.5	24.5	10	10	90	90				90	90		<0.2	1.5		
IM3	Fine	Moderate	12:14	8.7	Surface	1.0	0.4	39	29.1	29.1	8.1	8.1	21.8	21.8	102.1	102.0	7.0	7.0	8.4	8.4	9	9	85	85	88	818784	805594	<0.2	1.4	1.5				
						1.0	0.4	42	29.1	29.1	8.1	8.1	21.8	21.8	101.9	102.0	7.0	7.0	9.4	9.4	9	9	86	86				<0.2	1.5					
					Middle	4.4	0.3	21	28.9	28.9	8.1	8.1	26.0	26.0	100.2	100.2	6.7	6.7	13.4	13.4	9	9	89	89				<0.2	1.4					
						4.4	0.4	22	28.9	28.9	8.1	8.1	26.0	26.0	100.2	100.2	6.7	6.7	13.4	13.4	10	10	87	87				<0.2	1.5					
					Bottom	7.7	0.4	338	28.8	28.8	8.2	8.2	26.8	26.8	100.4	100.4	6.7	6.7	13.3	13.3	10	10	90	90				90	90		<0.2	1.7		
						7.7	0.4	358	28.8	28.8	8.2	8.2	26.8	26.8	100.4	100.4	6.7	6.7	13.3	13.3	9	9	91	91				91	91		<0.2	1.6		
IM4	Fine	Moderate	11:57	8.2	Surface	1.0	0.5	35	29.0	29.0	8.1	8.1	25.4	25.4	101.9	101.9	6.8	6.8	8.9	8.9	10	10	85	85	88	819742	804610	<0.2	1.5	1.6				
						1.0	0.5	37	29.0	29.0	8.1	8.1	25.4	25.4	101.9	101.9	6.8	6.8	8.9	8.9	9	9	85	85				<0.2	1.5					
					Middle	4.1	0.5	32	28.9	28.9	8.1	8.1	27.6	27.6	101.7	101.7	6.7	6.7	10.2	10.2	10	10	89	89				<0.2	1.6					
						4.1	0.5	32	28.9	28.9	8.1	8.1	27.5	27.6	101.7	101.7	6.7	6.7	10.2	10.2	10	10	88	88				<0.2	1.6					
					Bottom	7.2	0.3	330	29.1	29.1	8.2	8.2	21.5	21.5	101.9	101.9	6.9	6.9	10.8	10.8	10	10	89	89				89	89		<0.2	1.8		
						7.2	0.3	346	29.1	29.1	8.2	8.2	21.5	21.5	101.9	101.9	6.9	6.9	10.8	10.8	10	10	89	89				89	89		<0.2	1.7		
IM5	Fine	Moderate	11:35	7.4	Surface	1.0	0.4	21	28.8	28.8	8.2	8.2	27.6	27.6	101.0	101.0	6.7	6.7	13.5	13.5	10	10	85	85	87	820729	804837	<0.2	1.7	1.7				
						1.0	0.4	21	28.8	28.8	8.2	8.2	27.6	27.6	101.0	101.0	6.7	6.7	13.5	13.5	9	9	86	86				<0.2	1.7					
					Middle	3.7	0.5	28	28.8	28.8	8.2	8.2	28.2	28.2	101.1	101.1	6.7	6.7	14.3	14.3	9	9	85	85				<0.2	1.7					
						3.7	0.5	30	28.8	28.8	8.2	8.2	28.2	28.2	101.1	101.1	6.7	6.7	14.3	14.3	10	10	86	86				<0.2	1.5					
					Bottom	6.4	0.2	348	29.1	29.1	8.1	8.1	23.2	23.2	96.2	96.2	6.5	6.5	11.8	11.8	11	11	90	90				90	90		<0.2	1.8		
						6.4	0.3	353	29.1	29.1	8.1	8.1	23.2	23.2	96.2	96.2	6.5	6.5	11.8	11.8	11	11	90	90				90	90		<0.2	1.6		
IM6	Fine	Moderate	11:18	7.4	Surface	1.0	0.3	47	28.8	28.8	8.1	8.1	27.6	27.6	96.6	96.6	6.4	6.4	11.1	11.1	13	13	85	85	89	821069	805848	<0.2	1.7	1.5				
						1.0	0.3	50	28.8	28.8	8.1	8.1	27.6	27.6	96.6	96.6	6.4	6.4	11.1	11.1	13	13	86	86				<0.2	1.5					
					Middle	3.7	0.4	56	28.8	28.8	8.1	8.1	27.7	27.7	97.9	97.9	6.5	6.5	11.4	11.4	12	12	87	87				<0.2	1.6					
						3.7	0.4	60	28.8	28.8	8.1	8.1	27.7	27.7	97.9																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
									Value	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	Calm	09:23	8.8	Surface	1.0	0.4	208	30.0	8.1	8.1	19.3	19.3	80.3	5.5	6.0	9.3	<2	74	76	815642	804219	<0.2	<0.2	<0.2	2.3	2.1							
						1.0	0.4	222	30.0	8.1	8.1	19.3	19.3	80.1	5.5	6.0	74	74	<0.2	<0.2	<0.2	1.9												
						4.4	0.4	213	29.5	8.0	8.0	22.4	22.4	63.5	4.3	5.6	3	2	<0.2	<0.2	<0.2	1.9												
					4.4	0.5	220	29.5	8.0	8.0	22.3	22.4	63.5	4.3	5.8	2	2	<0.2	<0.2	<0.2	2.2													
					7.8	0.5	249	28.2	8.0	8.0	29.1	29.1	63.8	4.2	16.3	2	2	<0.2	<0.2	<0.2	2.1													
					7.8	0.5	262	28.2	8.0	8.0	29.1	29.1	64.6	4.3	16.3	3	3	<0.2	<0.2	<0.2	2.2													
C2	Sunny	Moderate	10:06	11.3	Surface	1.0	0.9	159	30.1	8.1	8.1	18.2	18.2	83.1	5.7	13.4	10.3	2	67	70	825665	806971	<0.2	<0.2	<0.2	2.8	2.8							
						1.0	0.9	173	30.1	8.1	8.1	18.2	18.2	83.1	5.7	13.4	2	68	70	<0.2	<0.2	<0.2	2.7											
						5.7	0.6	167	28.7	8.1	8.1	26.3	26.3	60.5	4.1	8.5	3	69	70	<0.2	<0.2	<0.2	2.7											
					5.7	0.6	177	28.7	8.1	8.1	26.3	26.3	60.5	4.1	8.5	3	70	70	<0.2	<0.2	<0.2	2.6												
					10.3	0.5	166	28.3	8.1	8.1	27.7	27.7	64.1	4.3	9.1	3	71	70	<0.2	<0.2	<0.2	3.0												
					10.3	0.5	174	28.3	8.1	8.1	27.7	27.7	64.1	4.3	9.1	2	71	70	<0.2	<0.2	<0.2	2.9												
C3	Fine	Moderate	08:13	12.1	Surface	1.0	0.3	100	30.0	8.0	8.0	20.6	20.6	80.7	5.5	6.4	7.1	<2	69	71	822124	817781	<0.2	<0.2	<0.2	2.5	2.2							
						1.0	0.3	102	30.0	8.0	8.0	20.6	20.6	80.7	5.5	6.4	<2	69	71	<0.2	<0.2	<0.2	2.0											
						6.1	0.1	87	29.4	7.9	7.9	22.9	22.9	73.4	4.9	6.8	<2	71	71	<0.2	<0.2	<0.2	2.4											
					6.1	0.1	94	29.4	7.9	7.9	22.9	22.9	73.4	4.9	6.8	<2	72	71	<0.2	<0.2	<0.2	2.4												
					11.1	0.1	26	27.1	7.9	7.9	30.0	30.0	58.0	3.9	8.0	<2	73	71	<0.2	<0.2	<0.2	1.8												
					11.1	0.1	27	27.1	7.9	7.9	30.0	30.0	58.0	3.9	8.0	<2	73	71	<0.2	<0.2	<0.2	2.3												
IM1	Fine	Calm	09:48	5.0	Surface	1.0	0.1	264	28.9	8.0	8.0	26.0	26.0	47.8	3.2	8.1	11.0	3	73	74	817966	807130	<0.2	<0.2	<0.2	1.7	1.7							
						1.0	0.1	281	28.9	8.0	8.0	26.0	26.0	47.9	3.2	8.2	3	73	74	<0.2	<0.2	<0.2	1.6											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-				
					4.0	0.1	203	28.4	8.0	8.0	27.9	27.9	54.0	3.6	13.8	5	75	75	<0.2	<0.2	<0.2	1.7												
					4.0	0.1	212	28.4	8.0	8.0	27.9	27.9	54.5	3.6	13.7	6	75	75	<0.2	<0.2	<0.2	1.8												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-				
IM2	Fine	Calm	09:55	7.2	Surface	1.0	0.5	187	29.6	8.0	8.0	21.9	21.9	65.4	4.4	10.0	10.8	4	73	75	818154	806175	<0.2	<0.2	<0.2	1.8	1.8							
						1.0	0.5	199	29.6	8.1	8.0	21.8	21.9	65.1	4.4	9.8	2	74	75	<0.2	<0.2	<0.2	1.9											
						3.6	0.3	203	28.5	8.0	8.0	27.5	27.5	45.4	3.0	10.2	4	75	75	<0.2	<0.2	<0.2	2.0											
					3.6	0.3	205	28.5	8.0	8.0	27.5	27.5	45.4	3.0	10.2	2	75	75	<0.2	<0.2	<0.2	1.9												
					6.2	0.1	175	28.3	8.0	8.0	28.4	28.4	52.8	3.5	12.2	5	76	76	<0.2	<0.2	<0.2	1.7												
					6.2	0.1	175	28.3	8.0	8.0	28.4	28.4	53.3	3.6	12.3	7	76	76	<0.2	<0.2	<0.2	1.7												
IM3	Fine	Calm	10:02	7.5	Surface	1.0	0.6	186	29.9	8.1	8.1	19.3	19.4	77.7	5.3	9.0	10.0	4	74	76	818790	805575	<0.2	<0.2	<0.2	1.6	1.5							
						1.0	0.7	196	29.9	8.1	8.1	19.4	19.4	77.4	5.3	9.0	5	75	76	<0.2	<0.2	<0.2	1.6											
						3.8	0.5	184	28.8	8.0	8.0	25.6	25.6	50.7	3.4	9.7	5	76	76	<0.2	<0.2	<0.2	1.5											
					3.8	0.6	199	28.8	8.0	8.0	25.6	25.6	50.9	3.4	9.7	5	76	76	<0.2	<0.2	<0.2	1.4												
					6.5	0.3	182	28.5	8.0	8.0	27.5	27.6	56.9	3.8	11.4	6	77	77	<0.2	<0.2	<0.2	1.4												
					6.5	0.3	199	28.5	8.0	8.0	27.6	27.6	57.4	3.8	11.4	7	77	77	<0.2	<0.2	<0.2	1.5												
IM4	Fine	Calm	10:12	7.4	Surface	1.0	0.5	175	30.2	8.1	8.1	17.0	17.0	86.1	5.9	6.4	10.3	<2	75	76	819697	804634	<0.2	<0.2	<0.2	1.8	1.8							
						1.0	0.6	178	30.2	8.1	8.1	17.0	17.0	86.1	5.9	6.4	<2	75	76	<0.2	<0.2	<0.2	1.7											
						3.7	0.6	180	30.0	8.1	8.1	18.5	18.5	78.6	5.4	6.9	3	76	76	<0.2	<0.2	<0.2	1.8											
					3.7	0.7	196	30.0	8.1	8.1	18.5	18.5	78.5	5.4	7.0	3	76	76	<0.2	<0.2	<0.2	1.7												
					6.4	0.5	189	28.4	7.9	7.9	27.8	27.8	59.3	4.0	17.4	4	77	77	<0.2	<0.2	<0.2	1.8												
					6.4	0.5	207	28.4	7.9	7.9	27.8	27.8	60.1	4.0	17.5	6	77	77	<0.2	<0.2	<0.2	1.8												
IM5	Fine	Calm	10:22	6.9	Surface	1.0	0.6	203	30.3	8.1	8.1	17.0	16.9	87.8	6.0	6.5	10.8	<2	75	77	820742	804893	<0.2	<0.2	<0.2	2.3	2.4							
						1.0	0.6	204	30.3	8.1	8.1	16.9	16.9	87.7	6.0	6.5	2	76	77	<0.2	<0.2	<0.2	2.0											
						3.5	0.6	199	29.3	8.0	8.0	23.3	23.3	53.8	3.6	10.2	<2	76	77	<0.2	<0.2	<0.2	2.0											
					3.5	0.6	209	29.3	8.0	8.0	23.3	23.3	53.7	3.6	10.3	3	77	77	<0.2	<0.2	<0.2	2.7												
					5.9	0.3	207	28.7	7.9	7.9	26.7	26.7	55.7	3.7	15.7	2	78	78	<0.2	<0.2	<0.2	2.6												
					5.9	0.3	225	28.7	7.9	7.9	26.8	26.7	56.3	3.8	15.8	3	78	78	<0.2	<0.2	<0.2	2.5												
IM6	Fine	Calm	10:30	6.7	Surface	1.0	0.5	178	30.4	8.1	8.1	16.5	16.5	83.5	5.7	6.2	9.2	2	76	77	821066	805839	<0.2	<0.2	<0.2	2.2	2.3							
						1.0	0.6	189	30.4	8.1	8.1	16.5	16.5	83.5	5.7	6.2	2	76	77	<0.2	<0.2	<0.2	2.2											
						3.4	0.5	183	29.4	8.0	8.0	22.7	22.6	58.2	3.9	7.1	3	77	77	<0.2	<0.2	<0.2	2.2											
					3.4	0.6	197	29.4	8.0	8.0	22.6	22.6	58.2	3.9	7.1	<2	77	77	<0.2	<0.2	<0.2	3.0												
					5.7	0.4	177	28.7	7.9	7.9	26.6	26.6	52.0	3.5	14.2	3	78	78	<0.2	<0.2	<0.2	2.1												
					5.7	0.4	182	28.7	7.9	7.9	26.6	26.6	54.0	3.6	14.2	3	79	79	<0.2	<0.2	<0.2	2.2												
IM7	Fine	Calm	10:39	7.8	Surface	1.0	0.4	217	29.8	8.0	8.0	20.1	20.1	69.5	4.7	7.0	8.2	2	73	75	821325	806829	<0.2	<0.2	<0.2	2.4	2.3							
						1.0	0.5	223	29.8	8.0	8.0	20.1	20.1	69.4	4.7	7.0	<2	74	75	<0.2	<0.2	<0.2	2.4											
						3.9	0.3	234	29.5	8.0	8.0	21.8	21.8	62.8	4.3	7.2	3	75	75	<0.2	<0.2	<0.2	2.4											
					3.9	0.3	246	29.5	8.0	8.0	21.9	21.8	62.8	4.3	7.2	2	75	75	<0.2	<0.2	<0.2	2.1												
					6.8	0.2	190	28.8	8.0	8.0	26.0	26.0	57.0	3.8	10.3	3	77	77	<0.2	<0.2	<0.2	2.0												
					6.8	0.2	195	28.8	8.0	8.0	26.0	26.0	57.5	3.9	10.2	4	77																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	Average	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	Average			DA	Value	Average	DA	Value	Average
IM9	Sunny	Moderate	09:28	7.4	Surface	1.0	0.3	136	30.5	8.1	8.1	18.3	18.3	78.9	78.9	5.4	7.0	2	68	70	822064	808817	<0.2	<0.2	<0.2	2.6	2.6	2.6				
						1.0	0.3	146	30.5	8.1	8.1	18.3	18.3	78.9	78.9	5.4	4.2	7.0	2	67	70	<0.2	<0.2	<0.2	2.6	2.6	2.6					
						3.7	0.4	140	29.2	8.0	8.0	25.4	25.4	45.7	45.6	3.1	11.0	3	71	70	<0.2	<0.2	<0.2	2.6	2.6	2.6						
					Middle	3.7	0.4	148	29.1	8.0	8.0	25.5	25.4	45.5	45.6	3.0	11.1	3	70	70	<0.2	<0.2	<0.2	2.5	2.5	2.5						
						6.4	0.2	102	28.9	8.0	8.0	27.1	27.1	47.8	47.8	3.2	11.4	3	73	73	<0.2	<0.2	<0.2	2.6	2.6	2.6						
						6.4	0.2	111	28.9	8.0	8.0	27.1	27.1	47.8	47.8	3.2	11.4	3	73	73	<0.2	<0.2	<0.2	2.5	2.5	2.5						
IM10	Sunny	Moderate	09:20	9.0	Surface	1.0	0.6	122	29.7	8.0	8.0	22.3	22.3	58.2	58.2	3.9	9.4	2	69	71	822403	809805	<0.2	<0.2	<0.2	2.4	2.4	2.4				
						1.0	0.6	130	29.7	8.0	8.0	22.3	22.3	58.2	58.2	3.9	3.5	9.4	2	69	71	<0.2	<0.2	<0.2	2.4	2.4	2.4					
						4.5	0.4	99	28.9	8.0	8.0	25.9	25.9	46.8	46.8	3.1	14.9	3	72	72	<0.2	<0.2	<0.2	2.2	2.2	2.2						
					Middle	4.5	0.5	104	28.9	8.0	8.0	25.9	25.9	46.8	46.8	3.1	14.9	2	72	72	<0.2	<0.2	<0.2	2.6	2.6	2.6						
						8.0	0.3	93	29.0	8.0	8.0	26.3	26.3	49.1	49.1	3.3	22.9	3	73	73	<0.2	<0.2	<0.2	2.2	2.2	2.2						
						8.0	0.3	96	29.0	8.0	8.0	26.3	26.3	49.1	49.1	3.3	22.9	3	74	74	<0.2	<0.2	<0.2	2.4	2.4	2.4						
IM11	Sunny	Moderate	09:07	9.3	Surface	1.0	0.5	84	30.3	8.0	8.0	19.5	19.5	71.4	71.4	4.8	8.9	3	69	71	822069	811462	<0.2	<0.2	<0.2	2.5	2.5	2.5				
						1.0	0.5	90	30.3	8.0	8.0	19.5	19.5	71.4	71.4	4.8	8.9	2	70	71	<0.2	<0.2	<0.2	2.1	2.1	2.1						
						4.7	0.5	95	29.2	7.9	7.9	24.9	24.9	51.6	51.6	3.4	17.6	3	71	71	<0.2	<0.2	<0.2	2.3	2.3	2.3						
					Middle	4.7	0.5	97	29.2	7.9	7.9	24.9	24.9	51.6	51.6	3.4	17.6	3	72	72	<0.2	<0.2	<0.2	2.4	2.4	2.4						
						8.3	0.4	90	29.1	8.0	8.0	25.5	25.5	58.2	58.2	3.9	25.1	4	74	74	<0.2	<0.2	<0.2	2.4	2.4	2.4						
						8.3	0.4	96	29.1	8.0	8.0	25.5	25.5	58.2	58.2	3.9	25.1	3	72	72	<0.2	<0.2	<0.2	2.3	2.3	2.3						
IM12	Sunny	Moderate	08:58	10.6	Surface	1.0	0.4	90	30.5	8.1	8.1	17.6	17.6	81.7	81.7	5.6	8.8	4	69	72	821451	812050	<0.2	<0.2	<0.2	2.1	2.1	2.1				
						1.0	0.5	95	30.5	8.1	8.1	17.6	17.6	81.7	81.7	5.6	8.8	3	70	72	<0.2	<0.2	<0.2	2.1	2.1	2.1						
						5.3	0.6	111	29.5	7.9	7.9	23.8	23.8	51.9	51.9	3.5	12.6	3	72	72	<0.2	<0.2	<0.2	2.2	2.2	2.2						
					Middle	5.3	0.6	115	29.5	7.9	7.9	23.8	23.8	51.9	51.9	3.5	12.6	4	71	71	<0.2	<0.2	<0.2	2.1	2.1	2.1						
						9.6	0.2	96	27.5	7.9	7.9	29.4	29.4	49.9	49.9	3.3	18.5	6	73	73	<0.2	<0.2	<0.2	2.2	2.2	2.2						
						9.6	0.2	102	27.5	7.9	7.9	29.4	29.4	49.9	49.9	3.3	18.5	4	74	74	<0.2	<0.2	<0.2	2.2	2.2	2.2						
SR2	Fine	Moderate	08:40	4.3	Surface	1.0	0.3	69	30.3	8.0	8.0	17.8	17.8	80.6	80.6	5.5	7.7	2	69	70	821436	814172	<0.2	<0.2	<0.2	2.7	2.7	2.7				
						1.0	0.3	71	30.3	8.0	8.0	17.8	17.8	80.6	80.6	5.5	7.7	3	69	70	<0.2	<0.2	<0.2	2.6	2.6	2.6						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.3	0.2	60	29.8	7.9	7.9	21.2	21.2	77.2	77.2	5.2	7.9	3	71	71	<0.2	<0.2	<0.2	2.4	2.4	2.4						
						3.3	0.2	63	29.8	7.9	7.9	21.2	21.2	77.2	77.2	5.2	7.9	3	72	72	<0.2	<0.2	<0.2	2.2	2.2	2.2						
SR3	Sunny	Moderate	09:42	9.1	Surface	1.0	0.5	177	30.0	8.1	8.1	20.2	20.2	67.3	67.3	4.6	7.7	2	-	-	822157	807564	-	-	-	-	-					
						1.0	0.5	185	30.0	8.1	8.1	20.2	20.2	67.3	67.3	4.6	7.7	3	-	-	-	-	-	-								
						4.6	0.1	194	29.1	8.1	8.1	25.2	25.2	43.8	43.8	2.9	11.7	2	-	-	-	-	-	-								
					Middle	4.6	0.1	210	29.1	8.1	8.1	25.2	25.2	43.8	43.8	2.9	11.7	3	-	-	-	-	-	-								
						8.1	0.1	345	28.7	8.1	8.1	28.1	28.1	43.9	43.9	2.9	13.7	3	-	-	-	-	-	-								
						8.1	0.1	346	28.7	8.1	8.1	28.1	28.1	43.9	43.9	2.9	13.7	3	-	-	-	-	-	-								
SR4A	Fine	Calm	09:04	9.4	Surface	1.0	0.1	63	29.3	8.0	8.0	22.9	22.9	61.5	61.7	4.2	8.2	3	-	-	817170	807796	-	-	-	-	-					
						1.0	0.2	63	29.3	8.0	8.0	22.9	22.9	61.8	61.8	4.2	8.4	2	-	-	-	-	-									
						4.7	0.2	63	28.4	8.0	8.0	27.8	27.8	46.2	46.3	3.1	14.1	3	-	-	-	-	-									
					Middle	4.7	0.2	64	28.4	8.0	8.0	27.8	27.8	46.3	46.3	3.1	14.2	3	-	-	-	-	-									
						8.4	0.2	61	28.4	8.0	8.0	28.0	28.0	53.2	53.4	3.5	19.2	5	-	-	-	-	-									
						8.4	0.2	65	28.4	8.0	8.0	28.0	28.0	53.6	53.6	3.6	19.4	4	-	-	-	-	-									
SR5A	Fine	Calm	08:47	5.3	Surface	1.0	0.0	309	30.1	8.1	8.1	18.4	18.4	84.0	84.0	5.7	7.0	2	-	-	816574	810719	-	-	-	-	-					
						1.0	0.0	334	30.1	8.1	8.1	18.4	18.4	83.9	83.9	5.7	7.0	3	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						4.3	0.1	267	29.2	7.9	7.9	25.5	25.5	54.1	54.4	3.6	13.2	4	-	-	-	-	-									
						4.3	0.1	277	29.2	7.9	7.9	25.5	25.5	54.6	54.4	3.6	13.2	3	-	-	-	-	-									
SR6	Fine	Calm	08:21	4.4	Surface	1.0	0.1	40	29.9	8.1	8.1	19.8	19.8	77.1	77.1	5.2	7.0	4	-	-	817920	814646	-	-	-	-	-					
						1.0	0.1	40	29.9	8.1	8.1	19.8	19.8	77.1	77.1	5.2	6.9	4	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						3.4	0.0	78	29.6	8.0	8.0	21.6	21.6	76.3	76.4	5.2	6.6	4	-	-	-	-	-									
						3.4	0.0	81	29.6	8.0	8.0	21.6	21.6	76.4	76.4	5.2	6.6	4	-	-	-	-	-									
SR7	Fine	Moderate	07:37	16.1	Surface	1.0	0.5	73	29.2	7.9	7.9	23.4	23.4	72.5	72.5	4.9	6.9	2	-	-	823614	823756	-	-	-	-	-					
						1.0	0.6	78	29.2	7.9	7.9	23.4	23.4	72.5	72.5	4.9	6.9	2	-	-	-	-	-									
						8.1	0.1	54	28.9	7.9	7.9	24.3	24.3	60.9	60.9	4.1	7.8	3	-	-	-	-	-									
					Middle	8.1	0.1	58	28.9	7.9	7.9	24.3	24.3	60.9	60.9	4.1	7.8	3	-	-	-	-	-									
						15.1	0.2	58	26.4	7.9	7.9	31.4	31.4	66.6	66.6	4.5	8.6	4	-	-	-	-	-									
						15.1	0.2	63	26.4	7.9																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 August 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	15:43	7.9	Surface	1.0	0.2	23	30.4	8.1	8.1	14.5	14.5	94.8	94.8	6.6	5.6	7.3	8.9	3	5	76	77	815648	804271	<0.2	<0.2	<0.2	3.2	2.8	2.8			
						1.0	0.3	24	30.4	8.1	8.1	14.6	14.5	94.8	94.8	6.6	5.6	7.3	8.9	3	5	76	77	815648	804271	<0.2	<0.2	<0.2	2.8	2.8	2.8			
						4.0	0.2	12	29.7	29.7	8.0	8.0	21.3	21.4	67.5	67.3	4.6	4.5	7.8	8.9	5	5	77	77	815648	804271	<0.2	<0.2	<0.2	2.6	2.6	2.6		
					4.0	0.2	12	29.7	29.7	8.0	8.0	21.4	21.4	67.1	67.3	4.5	4.5	7.9	8.9	4	5	77	77	815648	804271	<0.2	<0.2	<0.2	2.6	2.6	2.6			
					6.9	0.1	51	28.7	28.7	8.0	8.0	27.3	27.3	60.8	61.1	4.0	4.1	11.6	8.9	8	7	78	77	815648	804271	<0.2	<0.2	<0.2	2.6	2.6	2.6			
					6.9	0.1	52	28.7	28.7	8.0	8.0	27.3	27.3	61.4	61.1	4.1	4.1	11.4	8.9	7	7	78	77	815648	804271	<0.2	<0.2	<0.2	2.6	2.6	2.6			
C2	Cloudy	Moderate	14:36	10.2	Surface	1.0	0.9	172	30.6	8.0	8.0	15.1	15.1	84.3	84.3	5.8	4.9	10.4	12.4	5	6	67	69	825689	806924	<0.2	<0.2	<0.2	3.4	3.4	3.6			
						1.0	1.0	177	30.6	30.6	8.0	8.0	15.1	15.1	84.3	84.3	5.8	4.9	10.4	12.4	6	6	67	69	825689	806924	<0.2	<0.2	<0.2	3.4	3.4	3.6		
						5.1	0.2	194	28.7	28.7	8.0	8.0	26.1	26.1	57.6	57.6	3.9	3.9	12.7	12.4	6	6	70	71	825689	806924	<0.2	<0.2	<0.2	3.6	3.6	3.6		
					5.1	0.2	202	28.7	28.7	8.0	8.0	26.1	26.1	57.6	57.6	3.9	3.9	12.7	12.4	5	6	69	71	825689	806924	<0.2	<0.2	<0.2	3.6	3.6	3.6			
					9.2	0.1	15	28.4	28.4	8.0	8.0	27.2	27.2	60.1	60.1	4.0	4.0	14.0	12.4	6	7	71	72	825689	806924	<0.2	<0.2	<0.2	3.7	3.7	3.7			
					9.2	0.1	15	28.4	28.4	8.0	8.0	27.2	27.2	60.1	60.1	4.0	4.0	14.0	12.4	7	7	72	72	825689	806924	<0.2	<0.2	<0.2	3.8	3.8	3.8			
C3	Cloudy	Moderate	17:23	11.2	Surface	1.0	0.3	226	29.9	8.0	8.0	22.2	22.2	89.9	89.9	6.0	5.0	6.7	9.4	4	7	69	71	822131	817793	<0.2	<0.2	<0.2	1.9	1.8	1.8			
						1.0	0.3	245	29.9	29.9	8.0	8.0	22.2	22.2	89.9	89.9	6.0	5.0	6.7	9.4	4	7	70	71	822131	817793	<0.2	<0.2	<0.2	1.8	1.8	1.8		
						5.6	0.3	241	27.9	27.9	7.9	7.9	28.5	28.5	58.6	58.6	3.9	3.9	9.3	9.4	6	7	71	70	822131	817793	<0.2	<0.2	<0.2	1.9	1.8	1.8		
					5.6	0.3	252	27.9	27.9	7.9	7.9	28.5	28.5	58.6	58.6	3.9	3.9	9.3	9.4	7	7	70	71	822131	817793	<0.2	<0.2	<0.2	1.8	1.8	1.8			
					10.2	0.2	268	27.2	27.2	7.9	7.9	30.3	30.3	56.3	56.4	3.8	3.8	12.2	12.2	10	9	72	72	822131	817793	<0.2	<0.2	<0.2	1.8	1.8	1.8			
					10.2	0.2	293	27.2	27.2	7.9	7.9	30.3	30.3	56.4	56.4	3.8	3.8	12.2	12.2	9	9	72	72	822131	817793	<0.2	<0.2	<0.2	1.8	1.8	1.8			
IM1	Cloudy	Calm	15:24	4.1	Surface	1.0	0.1	176	29.5	29.5	8.1	8.1	22.1	22.1	73.0	73.0	4.9	4.9	11.7	14.8	12	12	75	76	817920	807121	<0.2	<0.2	<0.2	1.3	1.4	1.4		
						1.0	0.1	192	29.5	29.5	8.1	8.1	22.1	22.1	72.9	73.0	4.9	4.9	11.7	14.8	10	12	75	76	817920	807121	<0.2	<0.2	<0.2	1.4	1.4	1.4		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.1	0.1	128	29.3	29.3	8.1	8.1	23.4	23.3	72.9	73.2	4.9	4.9	17.9	14.8	13	12	76	77	817920	807121	<0.2	<0.2	<0.2	1.4	1.4	1.4			
					3.1	0.1	132	29.3	29.3	8.1	8.1	23.3	23.3	73.4	73.2	4.9	4.9	17.9	14.8	14	12	77	77	817920	807121	<0.2	<0.2	<0.2	1.4	1.4	1.4			
					3.1	0.1	132	29.3	29.3	8.1	8.1	23.3	23.3	73.4	73.2	4.9	4.9	17.9	14.8	14	12	77	77	817920	807121	<0.2	<0.2	<0.2	1.4	1.4	1.4			
IM2	Cloudy	Moderate	15:17	6.7	Surface	1.0	0.1	288	30.0	30.0	8.1	8.1	18.9	18.9	82.7	82.7	5.6	5.4	10.1	11.4	11	12	75	77	818158	806177	<0.2	<0.2	<0.2	2.1	2.2	2.1		
						1.0	0.1	310	30.0	30.0	8.1	8.1	19.0	18.9	82.7	82.7	5.6	5.4	10.1	11.4	11	12	76	77	818158	806177	<0.2	<0.2	<0.2	2.2	2.2	2.1		
						3.4	0.3	333	29.6	29.6	8.1	8.1	21.7	21.7	76.2	76.2	5.2	5.2	9.0	11.4	13	12	77	77	818158	806177	<0.2	<0.2	<0.2	2.1	2.1	2.1		
					3.4	0.3	351	29.6	29.6	8.1	8.1	21.7	21.7	76.2	76.2	5.2	5.2	9.0	11.4	13	12	77	77	818158	806177	<0.2	<0.2	<0.2	2.1	2.1	2.1			
					5.7	0.4	324	29.3	29.3	8.0	8.0	22.5	22.5	65.3	65.3	4.4	4.4	14.8	11.4	13	12	78	78	818158	806177	<0.2	<0.2	<0.2	2.2	2.2	2.2			
					5.7	0.4	340	29.3	29.3	8.0	8.0	22.5	22.5	65.3	65.3	4.4	4.4	14.8	11.4	11	12	78	78	818158	806177	<0.2	<0.2	<0.2	2.1	2.1	2.1			
IM3	Cloudy	Rough	15:10	7.0	Surface	1.0	0.4	204	30.4	30.4	8.1	8.1	17.7	17.7	83.5	83.5	5.7	4.8	10.0	12.7	11	12	75	77	818770	805614	<0.2	<0.2	<0.2	2.5	2.2	2.2		
						1.0	0.4	217	30.4	30.4	8.1	8.1	17.7	17.7	83.4	83.5	5.7	4.8	10.0	12.7	12	12	76	77	818770	805614	<0.2	<0.2	<0.2	2.5	2.2	2.2		
						3.5	0.1	245	29.2	29.2	8.0	8.0	23.5	23.5	56.7	56.7	3.8	3.8	13.5	12.7	11	12	77	77	818770	805614	<0.2	<0.2	<0.2	2.2	2.2	2.3		
					3.5	0.1	246	29.2	29.2	8.0	8.0	23.6	23.6	56.6	56.6	3.8	3.8	13.5	12.7	11	12	77	77	818770	805614	<0.2	<0.2	<0.2	2.3	2.3	2.3			
					6.0	0.4	358	28.8	28.8	8.0	8.0	25.4	25.5	52.4	52.5	3.5	3.5	14.6	12.7	13	12	78	78	818770	805614	<0.2	<0.2	<0.2	2.5	2.5	2.5			
					6.0	0.4	329	28.8	28.8	8.0	8.0	25.5	25.5	52.6	52.6	3.5	3.5	14.5	12.7	13	12	78	78	818770	805614	<0.2	<0.2	<0.2	2.5	2.5	2.5			
IM4	Cloudy	Moderate	15:01	6.9	Surface	1.0	0.2	255	30.0	30.0	8.1	8.1	17.1	17.1	80.0	80.0	5.5	5.4	11.3	16.9	7	7	75	77	819725	804603	<0.2	<0.2	<0.2	2.5	2.3	2.3		
						1.0	0.2	274	30.0	30.0	8.1	8.1	17.1	17.1	79.9	80.0	5.5	5.4	11.4	16.9	6	7	75	77	819725	804603	<0.2	<0.2	<0.2	2.3	2.3	2.3		
						3.5	0.1	264	29.9	29.9	8.0	8.0	18.4	18.3	75.4	75.4	5.2	5.2	13.5	16.9	6	7	77	77	819725	804603	<0.2	<0.2	<0.2	2.4	2.4	2.6		
					3.5	0.1	285	29.9	29.9	8.0	8.0	18.3	18.3	75.4	75.4	5.2	5.2	13.6	16.9	8	7	77	77	819725	804603	<0.2	<0.2	<0.2	2.6	2.6	2.6			
					5.9	0.2	222	29.5	29.5	8.0	8.0	21.3	21.3	73.2	73.4	5.0	5.0	25.9	16.9	8	7	78	78	819725	804603	<0.2	<0.2	<0.2	2.5	2.5	2.5			
					5.9	0.2	235	29.5	29.5	8.0	8.0	21.3	21.3	73.6	73.4	5.0	5.0	25.9	16.9	8	7	79	78	819725	804603	<0.2	<0.2	<0.2	2.6	2.6	2.6			
IM5	Cloudy	Moderate	14:54	6.3	Surface	1.0	0.6																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 August 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
									Value	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	15:10	6.6	Surface	1.0	0.2	240	30.7	8.1	8.1	14.8	14.8	98.8	98.8	6.8	6.3	8.7	9.1	5	7	67	69	<0.2	<0.2	<0.2	2.8	3.1						
						1.0	0.2	246	30.7	8.1	8.1	14.8	14.8	98.8	98.8	6.8	6.3	8.7	9.1	6	7	68	69	<0.2	<0.2	<0.2	2.8	3.1						
						3.3	0.2	293	30.4	8.1	8.1	18.0	18.0	83.1	83.1	5.7	5.1	9.4	9.1	7	7	69	69	<0.2	<0.2	<0.2	2.8	3.1						
					Middle	3.3	0.2	322	30.4	8.1	8.1	18.0	18.0	83.1	83.1	5.7	5.1	9.4	9.1	8	7	69	69	<0.2	<0.2	<0.2	2.8	3.1						
						5.6	0.2	255	29.5	8.1	8.1	22.9	22.9	75.7	75.7	5.1	5.1	9.1	9.1	7	7	71	71	<0.2	<0.2	<0.2	2.8	3.1						
						5.6	0.2	266	29.5	8.1	8.1	22.9	22.9	75.7	75.7	5.1	5.1	9.1	9.1	8	7	72	72	<0.2	<0.2	<0.2	2.8	3.1						
IM10	Cloudy	Moderate	15:18	6.5	Surface	1.0	0.1	211	30.7	8.2	8.2	16.1	16.1	96.2	96.2	6.6	6.0	8.3	8.2	5	5	68	70	<0.2	<0.2	<0.2	3.1	3.0						
						1.0	0.1	214	30.7	8.2	8.2	16.1	16.1	96.2	96.2	6.6	6.0	8.3	8.2	5	5	68	70	<0.2	<0.2	<0.2	3.1	3.0						
						3.3	0.1	291	30.1	8.1	8.1	20.1	20.1	77.9	77.9	5.3	5.3	7.7	7.7	5	5	69	70	<0.2	<0.2	<0.2	2.9	3.0						
					Middle	3.3	0.1	294	30.1	8.1	8.1	20.1	20.1	77.9	77.9	5.3	5.3	7.7	7.7	5	5	70	71	<0.2	<0.2	<0.2	2.9	3.0						
						5.5	0.2	223	29.6	8.1	8.1	22.7	22.7	73.5	73.5	4.9	4.9	8.6	8.6	5	5	71	71	<0.2	<0.2	<0.2	2.8	3.0						
						5.5	0.2	225	29.6	8.1	8.1	22.7	22.7	73.5	73.5	4.9	4.9	8.6	8.6	6	5	71	71	<0.2	<0.2	<0.2	2.8	3.0						
IM11	Cloudy	Moderate	15:30	7.4	Surface	1.0	0.1	25	30.5	8.1	8.1	16.7	16.7	95.6	95.6	6.5	6.1	8.0	10.8	5	5	68	70	<0.2	<0.2	<0.2	2.7	2.8						
						1.0	0.1	27	30.5	8.1	8.1	16.7	16.7	95.6	95.6	6.5	6.1	8.0	10.8	5	5	67	71	<0.2	<0.2	<0.2	2.8	2.8						
						3.7	0.2	348	30.3	8.0	8.0	19.3	19.3	82.8	82.8	5.6	5.6	8.4	8.4	5	5	71	72	<0.2	<0.2	<0.2	2.8	2.8						
					Middle	3.7	0.2	357	30.3	8.0	8.0	19.3	19.3	82.8	82.8	5.6	5.6	8.4	8.4	5	5	72	72	<0.2	<0.2	<0.2	2.8	2.8						
						6.4	0.2	298	29.0	8.0	8.0	25.7	25.7	58.3	58.3	3.9	3.9	16.1	16.1	6	6	72	72	<0.2	<0.2	<0.2	2.8	2.8						
						6.4	0.2	300	29.0	8.0	8.0	25.7	25.7	58.3	58.3	3.9	3.9	16.1	16.1	5	5	72	72	<0.2	<0.2	<0.2	2.7	2.8						
IM12	Cloudy	Moderate	15:37	7.8	Surface	1.0	0.3	313	30.6	8.1	8.1	17.9	17.9	87.8	87.8	6.0	5.0	9.5	11.3	6	6	69	71	<0.2	<0.2	<0.2	2.7	2.4						
						1.0	0.3	321	30.6	8.1	8.1	17.9	17.9	87.8	87.8	6.0	5.0	9.5	11.3	4	6	70	71	<0.2	<0.2	<0.2	2.3	2.4						
						3.9	0.3	293	29.4	8.0	8.0	24.6	24.6	59.9	59.9	4.0	4.0	10.8	10.8	7	7	71	72	<0.2	<0.2	<0.2	2.4	2.4						
					Middle	3.9	0.3	304	29.4	8.0	8.0	24.6	24.6	59.9	59.9	4.0	4.0	10.8	10.8	6	6	72	73	<0.2	<0.2	<0.2	2.4	2.4						
						6.8	0.4	297	28.6	8.0	8.0	26.1	26.1	57.0	57.0	3.8	3.8	13.6	13.6	6	6	73	73	<0.2	<0.2	<0.2	2.3	2.2						
						6.8	0.4	313	28.6	8.0	8.0	26.1	26.1	57.0	57.0	3.8	3.8	13.6	13.6	7	7	73	73	<0.2	<0.2	<0.2	2.3	2.2						
SR2	Cloudy	Moderate	15:54	4.8	Surface	1.0	0.0	129	30.5	8.0	8.0	19.3	19.3	90.6	90.6	6.1	6.1	8.5	10.8	5	6	69	71	<0.2	<0.2	<0.2	2.3	2.3						
						1.0	0.0	136	30.5	8.0	8.0	19.3	19.3	90.6	90.6	6.1	6.1	8.5	10.8	6	6	70	71	<0.2	<0.2	<0.2	2.4	2.3						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.8	0.3	329	29.7	7.9	7.9	24.2	24.2	75.0	75.0	5.0	5.0	13.0	13.0	6	6	71	72	<0.2	<0.2	<0.2	2.3	2.3						
						3.8	0.3	350	29.7	7.9	7.9	24.2	24.2	75.0	75.0	5.0	5.0	13.0	13.0	5	5	72	72	<0.2	<0.2	<0.2	2.3	2.3						
SR3	Cloudy	Moderate	14:55	8.4	Surface	1.0	0.7	186	31.0	8.1	8.1	13.7	13.7	102.0	102.0	7.0	5.9	9.5	16.2	5	6	-	-	-	-	-	-	-						
						1.0	0.7	192	31.0	8.1	8.1	13.7	13.7	102.0	102.0	7.0	5.9	9.5	16.2	5	6	-	-	-	-	-	-	-	-					
						4.2	0.4	222	29.7	8.0	8.0	21.7	21.7	69.1	69.1	4.7	4.7	11.0	11.0	6	6	-	-	-	-	-	-	-	-					
					Middle	4.2	0.4	222	29.7	8.0	8.0	21.7	21.7	69.1	69.1	4.7	4.7	11.0	11.0	6	6	-	-	-	-	-	-	-	-	-				
						7.4	0.4	221	29.5	8.0	8.0	23.0	23.0	68.3	68.3	4.6	4.6	28.1	28.1	6	6	-	-	-	-	-	-	-	-					
						7.4	0.4	240	29.5	8.0	8.0	23.0	23.0	68.3	68.3	4.6	4.6	28.1	28.1	6	6	-	-	-	-	-	-	-	-					
SR4A	Cloudy	Calm	16:05	8.6	Surface	1.0	0.3	235	30.1	8.1	8.1	21.3	21.3	81.4	81.4	5.5	5.1	12.5	15.7	12	12	-	-	-	-	-	-							
						1.0	0.4	240	30.1	8.1	8.1	21.3	21.3	81.4	81.4	5.5	5.1	12.4	15.7	11	12	-	-	-	-	-	-							
						4.3	0.2	255	29.8	8.0	8.0	22.5	22.5	69.5	69.5	4.7	4.7	15.1	15.1	11	11	-	-	-	-	-	-							
					Middle	4.3	0.2	265	29.8	8.0	8.0	22.5	22.5	69.5	69.5	4.7	4.7	15.1	15.1	12	12	-	-	-	-	-	-	-						
						7.6	0.0	347	29.1	8.0	8.0	25.6	25.6	74.2	74.2	4.9	4.9	19.4	19.4	13	13	-	-	-	-	-	-							
						7.6	0.0	319	29.2	8.0	8.0	25.5	25.5	75.2	75.2	5.0	5.0	19.5	19.5	14	14	-	-	-	-	-	-							
SR5A	Cloudy	Calm	16:23	4.2	Surface	1.0	0.4	256	30.3	8.2	8.2	20.1	20.1	84.0	84.0	5.7	5.7	11.0	13.1	7	7	-	-	-	-	-	-							
						1.0	0.4	262	30.3	8.2	8.2	20.1	20.1	83.6	83.6	5.6	5.6	11.0	13.1	7	7	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						3.2	0.3	288	29.8	8.0	8.0	22.5	22.5	74.6	74.6	5.0	5.0	15.2	15.2	7	7	-	-	-	-	-	-							
						3.2	0.3	288	29.8	8.0	8.0	22.5	22.5	74.9	74.9	5.0	5.0	15.1	15.1	7	7	-	-	-	-	-	-							
SR6	Cloudy	Calm	16:50	4.1	Surface	1.0	0.1	207	30.3	8.2	8.2	19.5	19.5	99.9	99.9	6.8	6.8	9.8	14.2	8	9	-	-	-	-	-								
						1.0	0.1	223	30.3	8.2	8.2	19.5	19.5	99.8	99.8	6.8	6.8	9.8	14.2	6	9	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						3.1	0.0	118	29.7	8.1	8.1	20.5	20.5	85.8	85.8	5.8	5.8	18.6	18.6	10	12	-	-	-	-	-								
						3.1	0.0	120	29.7	8.1	8.1	20.5	20.5	85.9	85.9	5.8	5.																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
C1	Sunny	Moderate	11:43	8.7	Surface	1.0	1.0	234	30.0		8.3	8.3	24.0	24.0	101.4	101.4	6.7	6.6	4	71	4	71	74	815590	804237	<0.2	1.4	1.4	1.4				
						1.0	1.0	252	30.0		8.3	8.3	24.0	24.0	101.4	101.4	6.7	6.6	3	71	3	71	4	71	74	815590	804237	<0.2	1.3	1.3	1.3		
						4.4	0.9	224	29.5	29.5	8.2	8.2	25.1	25.1	69.7	69.7	4.6	4.6	4	74	4	74	4	74	74	815590	804237	<0.2	1.4	1.4	1.4		
					Middle	4.4	1.0	225	29.5	29.5	8.2	8.2	25.1	25.1	69.7	69.7	4.6	4.6	3	14.4	3	14.4	3	14.4	4	74	74	815590	804237	<0.2	1.4	1.4	1.4
						7.7	0.7	220	29.0	29.0	8.1	8.1	27.4	27.4	66.5	66.5	4.4	4.4	4	20.0	4	20.0	4	20.0	4	76	76	815590	804237	<0.2	1.4	1.4	1.4
						7.7	0.7	226	29.0	29.0	8.1	8.1	27.4	27.4	66.5	66.5	4.4	4.4	4	20.0	4	20.0	4	20.0	4	76	76	815590	804237	<0.2	1.4	1.4	1.4
C2	Sunny	Rough	12:23	10.6	Surface	1.0	1.1	174	29.6		8.1	8.1	21.8	21.8	79.4	79.4	5.4	11.7	2	72	2	72	75	825687	806926	<0.2	1.8	1.8	1.7				
						1.0	1.2	187	29.6	29.6	8.1	8.1	21.8	21.8	79.4	79.4	5.4	11.7	3	73	3	73	3	74	75	825687	806926	<0.2	1.7	1.7	1.7		
						5.3	1.0	158	29.1	29.1	8.0	8.0	23.3	23.3	64.8	64.8	4.4	15.7	3	74	3	74	4	75	75	825687	806926	<0.2	1.7	1.7	1.7		
					Middle	5.3	1.0	170	29.1	29.1	8.0	8.0	23.3	23.3	64.8	64.8	4.4	15.7	4	15.7	4	15.7	4	15.7	4	75	75	825687	806926	<0.2	1.7	1.7	1.7
						9.6	0.4	155	28.1	28.1	8.0	8.0	26.4	26.4	59.9	59.9	4.1	16.4	4	16.4	4	16.4	4	16.4	4	76	76	825687	806926	<0.2	1.8	1.8	1.8
						9.6	0.4	159	28.1	28.1	8.0	8.0	26.4	26.4	59.9	59.9	4.1	16.4	3	16.4	3	16.4	3	16.4	3	77	77	825687	806926	<0.2	1.7	1.7	1.7
C3	Sunny	Moderate	10:21	12.4	Surface	1.0	0.4	140	28.8	28.8	8.1	8.1	24.5	24.5	79.3	79.3	5.3	6.4	3	74	3	74	76	822103	817784	<0.2	1.4	1.4	1.4	1.4			
						1.0	0.5	142	28.8	28.8	8.1	8.1	24.5	24.5	79.3	79.3	5.3	6.4	4	75	4	75	4	76	76	822103	817784	<0.2	1.3	1.3	1.3		
						6.2	0.3	116	28.1	28.1	8.1	8.1	26.1	26.1	69.4	69.4	4.7	10.5	4	76	4	76	3	75	75	822103	817784	<0.2	1.4	1.4	1.4		
					Middle	6.2	0.3	118	28.1	28.1	8.1	8.1	26.1	26.1	69.4	69.4	4.7	10.5	3	75	3	75	4	76	4	77	77	822103	817784	<0.2	1.4	1.4	1.4
						11.4	0.2	91	27.6	27.6	8.1	8.1	27.4	27.4	68.6	68.6	4.6	17.6	4	78	4	78	4	78	4	78	78	822103	817784	<0.2	1.4	1.4	1.4
						11.4	0.2	93	27.6	27.6	8.1	8.1	27.4	27.4	68.6	68.6	4.6	17.6	4	77	4	77	4	77	4	77	77	822103	817784	<0.2	1.4	1.4	1.4
IM1	Sunny	Moderate	12:11	4.8	Surface	1.0	0.2	181	29.4	29.4	8.1	8.1	25.4	25.4	67.3	67.2	4.5	15.5	4	71	4	71	73	817953	807141	<0.2	1.8	1.8	2.0				
						1.0	0.2	190	29.4	29.4	8.1	8.1	25.4	25.4	67.0	67.2	4.5	15.7	4	71	4	71	4	71	73	817953	807141	<0.2	2.0	2.0	2.0		
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.8	0.2	181	29.2	29.2	8.1	8.1	26.4	26.4	70.3	70.5	4.7	19.8	3	74	3	74	4	74	4	74	74	817953	807141	<0.2	1.8	1.8	2.3
						3.8	0.2	196	29.2	29.2	8.1	8.1	26.4	26.4	70.6	70.5	4.7	19.9	4	74	4	74	4	74	4	74	74	817953	807141	<0.2	2.3	2.3	2.3
IM2	Sunny	Moderate	12:18	6.9	Surface	1.0	0.9	231	29.7	29.7	8.2	8.2	24.5	24.5	76.5	76.4	5.1	9.8	3	71	3	71	74	818163	806160	<0.2	1.9	1.9	1.9				
						1.0	0.9	233	29.7	29.7	8.2	8.2	24.5	24.5	76.3	76.4	5.1	9.8	4	71	4	71	3	74	74	818163	806160	<0.2	2.0	2.0	2.0		
						3.5	0.7	223	29.3	29.3	8.1	8.1	25.3	25.3	69.1	69.1	4.6	13.7	3	74	3	74	3	74	74	818163	806160	<0.2	1.8	1.8	1.8		
					Middle	3.5	0.8	225	29.3	29.3	8.1	8.1	25.3	25.3	69.1	69.1	4.6	13.8	3	74	3	74	3	74	3	74	74	818163	806160	<0.2	1.8	1.8	1.8
						5.9	0.6	223	29.1	29.1	8.2	8.2	26.2	26.2	66.0	66.1	4.4	22.4	3	76	3	76	3	76	3	76	76	818163	806160	<0.2	1.9	1.9	1.9
						5.9	0.6	229	29.1	29.1	8.2	8.2	26.2	26.2	66.1	66.1	4.4	22.4	3	76	3	76	3	76	3	76	76	818163	806160	<0.2	1.8	1.8	1.8
IM3	Sunny	Moderate	12:26	7.2	Surface	1.0	0.9	236	29.7	29.7	8.2	8.2	23.9	23.9	75.8	75.8	5.1	11.3	5	71	5	71	74	818758	805584	<0.2	2.0	2.0	2.0				
						1.0	0.9	252	29.7	29.7	8.2	8.2	23.9	23.9	75.7	75.8	5.0	11.5	4	71	4	71	4	74	74	818758	805584	<0.2	1.9	1.9	1.9		
						3.6	0.8	234	29.5	29.5	8.2	8.2	25.1	25.1	69.4	69.4	4.6	15.1	4	74	4	74	4	74	4	74	74	818758	805584	<0.2	2.0	2.0	2.0
					Middle	3.6	0.9	239	29.5	29.5	8.2	8.2	25.1	25.1	69.3	69.3	4.6	15.3	4	74	4	74	4	74	4	74	74	818758	805584	<0.2	1.9	1.9	1.9
						6.2	0.7	233	29.2	29.2	8.2	8.2	26.2	26.2	69.2	69.3	4.6	23.6	4	76	4	76	4	76	4	76	76	818758	805584	<0.2	1.9	1.9	1.9
						6.2	0.7	250	29.2	29.2	8.2	8.2	26.2	26.2	69.3	69.3	4.6	23.8	5	76	5	76	5	76	5	76	76	818758	805584	<0.2	1.9	1.9	1.9
IM4	Sunny	Moderate	12:38	7.0	Surface	1.0	1.1	235	30.1	30.1	8.1	8.1	21.4	21.4	72.3	72.2	4.9	16.0	3	71	3	71	74	819708	804584	<0.2	2.0	2.0	2.0				
						1.0	1.2	257	30.1	30.1	8.1	8.1	21.4	21.4	72.1	72.2	4.8	16.4	3	71	3	71	3	74	74	819708	804584	<0.2	2.0	2.0	2.0		
						3.5	0.9	234	29.4	29.4	8.1	8.1	24.8	24.8	63.5	63.5	4.2	18.6	2	71	2	71	2	74	74	819708	804584	<0.2	2.2	2.2	2.2		
					Middle	3.5	0.9	247	29.4	29.4	8.1	8.1	24.8	24.8	63.4	63.4	4.2	18.2	3	74	3	74	3	74	3	74	74	819708	804584	<0.2	1.9	1.9	1.9
						6.0	0.6	225	29.2	29.2	8.1	8.1	26.2	26.2	63.9	64.0	4.2	23.1	3	76	3	76	3	76	3	76	76	819708	804584	<0.2	1.9	1.9	1.9
						6.0	0.6	237	29.2	29.2	8.1	8.1	26.2	26.2	64.1	64.0	4.3	23.0	3	76	3	76	3	76	3	76	76	819708	804584	<0.2	1.9	1.9	1.9
IM5	Sunny	Moderate	12:46	7.7	Surface	1.0	1.1	246	30.0	30.0	8.1	8.1	22.1	22.1	73.2	73.2	4.9	10.2	2	71	2	71	74	820721	804893	<0.2	2.4	2.4	2.3				
						1.0	1.1	269	30.0	30.0	8.1	8.1	22.1	22.1	73.2	73.2	4.9	10.2	2	71	2	71	2	74	74	820721	804893	<0.2	2.3	2.3	2.3		
						3.9	1.0	256	29.4	29.4	8.1	8.1	24.1	24.1																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
IM9	Sunny	Moderate	11:45	6.8	Surface	1.0	0.5	156	29.4	8.1	8.1	22.1	22.1	74.5	74.5	5.0	4.6	6.6	11.4	3	4	73	74	822107	808781	<0.2	<0.2	1.7	1.7			
						1.0	0.5	165	29.4	8.1	8.1	22.1	22.1	74.5	74.5	5.0	4.6	6.6	11.4	3	4	73	74	822107	808781	<0.2	<0.2	1.6	1.6			
						3.4	0.4	151	28.9	8.0	8.0	24.3	24.3	63.0	63.0	4.2	4.9	12.5	11.4	4	4	74	74	822107	808781	<0.2	<0.2	1.7	1.7			
					Middle	3.4	0.4	158	28.9	8.0	8.0	24.3	24.3	63.0	63.0	4.2	4.9	12.5	11.4	4	4	74	74	822107	808781	<0.2	<0.2	1.7	1.7			
						5.8	0.2	130	28.8	8.0	8.0	25.2	25.2	73.3	73.3	4.9	4.9	15.1	11.4	3	4	76	76	822107	808781	<0.2	<0.2	1.6	1.6			
						5.8	0.2	135	28.8	8.0	8.0	25.2	25.2	73.3	73.3	4.9	4.9	15.1	11.4	4	4	76	76	822107	808781	<0.2	<0.2	1.6	1.6			
IM10	Sunny	Moderate	11:36	6.4	Surface	1.0	0.7	124	29.4	8.0	8.0	22.2	22.2	70.6	70.6	4.8	4.6	10.0	11.9	2	3	72	74	822390	809785	<0.2	<0.2	1.7	1.6			
						1.0	0.7	131	29.4	8.0	8.0	22.2	22.2	70.6	70.6	4.8	4.6	10.0	11.9	3	3	73	74	822390	809785	<0.2	<0.2	1.6	1.5			
						3.2	0.7	124	28.9	8.0	8.0	24.3	24.3	65.5	65.5	4.4	4.5	10.6	11.9	2	3	75	74	822390	809785	<0.2	<0.2	1.5	1.5			
					Middle	3.2	0.7	129	28.9	8.0	8.0	24.3	24.3	65.5	65.5	4.4	4.5	10.6	11.9	2	3	74	74	822390	809785	<0.2	<0.2	1.5	1.5			
						5.4	0.6	110	28.9	8.0	8.0	24.8	24.8	66.7	66.7	4.5	4.5	15.1	11.9	3	3	76	76	822390	809785	<0.2	<0.2	1.5	1.5			
						5.4	0.6	112	28.9	8.0	8.0	24.8	24.8	66.7	66.7	4.5	4.5	15.1	11.9	3	3	76	76	822390	809785	<0.2	<0.2	1.5	1.5			
IM11	Sunny	Moderate	11:20	7.8	Surface	1.0	0.7	115	29.4	8.1	8.1	22.4	22.4	73.9	73.9	5.0	4.8	8.7	12.7	3	3	73	75	822053	811463	<0.2	<0.2	1.5	1.6			
						1.0	0.8	120	29.4	8.1	8.1	22.4	22.4	73.9	73.9	5.0	4.8	8.7	12.7	2	3	72	76	822053	811463	<0.2	<0.2	1.5	1.5			
						3.9	0.6	116	29.1	8.1	8.1	23.6	23.6	68.7	68.7	4.6	5.1	13.3	12.7	3	3	76	76	822053	811463	<0.2	<0.2	1.6	1.6			
					Middle	3.9	0.6	122	29.1	8.1	8.1	23.6	23.6	68.7	68.7	4.6	5.1	13.3	12.7	3	3	74	76	822053	811463	<0.2	<0.2	1.6	1.6			
						6.8	0.5	107	29.0	8.0	8.0	24.2	24.2	76.0	76.0	5.1	5.1	16.2	12.7	3	3	76	76	822053	811463	<0.2	<0.2	1.6	1.6			
						6.8	0.5	112	29.0	8.0	8.0	24.2	24.2	76.0	76.0	5.1	5.1	16.2	12.7	3	3	76	76	822053	811463	<0.2	<0.2	1.6	1.6			
IM12	Sunny	Moderate	11:11	9.3	Surface	1.0	0.6	107	29.4	8.1	8.1	22.9	22.9	71.9	71.9	4.9	4.7	10.6	11.8	3	3	73	74	821455	812053	<0.2	<0.2	1.5	1.5			
						1.0	0.7	111	29.4	8.1	8.1	22.9	22.9	71.9	71.9	4.9	4.7	10.6	11.8	3	3	72	75	821455	812053	<0.2	<0.2	1.5	1.5			
						4.7	0.6	109	29.1	8.1	8.1	23.7	23.7	65.6	65.6	4.4	4.5	13.4	11.8	3	3	74	76	821455	812053	<0.2	<0.2	1.5	1.5			
					Middle	4.7	0.6	119	29.1	8.1	8.1	23.7	23.7	65.6	65.6	4.4	4.5	13.4	11.8	3	3	74	76	821455	812053	<0.2	<0.2	1.5	1.5			
						8.3	0.4	96	28.9	8.0	8.0	24.6	24.6	66.8	66.8	4.5	4.5	11.5	11.8	3	3	76	76	821455	812053	<0.2	<0.2	1.6	1.6			
						8.3	0.4	98	28.9	8.0	8.0	24.6	24.6	66.8	66.8	4.5	4.5	11.5	11.8	3	3	76	76	821455	812053	<0.2	<0.2	1.6	1.6			
SR2	Sunny	Moderate	10:47	4.8	Surface	1.0	0.6	85	29.1	8.1	8.1	23.9	23.9	74.7	74.7	5.0	5.0	8.2	11.9	3	4	74	75	821486	814161	<0.2	<0.2	1.3	1.3			
						1.0	0.6	93	29.1	8.1	8.1	23.9	23.9	74.7	74.7	5.0	5.0	8.2	11.9	3	4	73	77	821486	814161	<0.2	<0.2	1.3	1.3			
						-	-	-	-	-	-	-	-	-	-	-	-	-	11.9	-	4	-	75	821486	814161	<0.2	<0.2	1.3	1.3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	77	77	821486	814161	<0.2	<0.2	1.3	1.3
						3.8	0.4	83	28.8	8.1	8.1	25.0	25.0	76.4	76.4	5.1	5.1	15.5	11.9	4	4	76	77	821486	814161	<0.2	<0.2	1.3	1.3			
						3.8	0.4	86	28.8	8.1	8.1	25.0	25.0	76.4	76.4	5.1	5.1	15.5	11.9	4	4	76	77	821486	814161	<0.2	<0.2	1.3	1.3			
SR3	Sunny	Moderate	11:57	8.6	Surface	1.0	0.6	186	29.6	8.1	8.1	21.7	21.7	80.3	80.3	5.4	4.8	7.2	12.3	4	4	-	-	822155	807560	-	-	-	-			
						1.0	0.6	193	29.6	8.1	8.1	21.7	21.7	80.3	80.3	5.4	4.8	7.2	12.3	4	4	-	-	-	-	822155	807560	-	-	-	-	
						4.3	0.4	199	28.9	8.0	8.0	25.2	25.2	61.7	61.7	4.1	4.4	15.2	12.3	4	4	-	-	-	-	822155	807560	-	-	-	-	
					Middle	4.3	0.4	204	28.9	8.0	8.0	25.2	25.2	61.7	61.7	4.1	4.4	15.2	12.3	5	4	-	-	-	-	822155	807560	-	-	-	-	
						7.6	0.2	228	28.8	8.0	8.0	25.7	25.7	66.3	66.3	4.4	4.4	14.6	12.3	4	4	-	-	-	-	822155	807560	-	-	-	-	
						7.6	0.2	245	28.8	8.0	8.0	25.7	25.7	66.3	66.3	4.4	4.4	14.6	12.3	4	4	-	-	-	-	822155	807560	-	-	-	-	
SR4A	Sunny	Moderate	11:22	9.1	Surface	1.0	0.1	247	29.8	8.0	8.0	23.4	23.4	78.6	78.6	5.3	4.9	8.2	13.5	3	3	-	-	817185	807819	-	-	-	-			
						1.0	0.1	251	29.8	8.0	8.0	23.4	23.4	78.5	78.5	5.2	4.9	8.2	13.5	2	3	-	-	-	-	817185	807819	-	-	-	-	
						4.6	0.1	77	29.3	8.0	8.0	25.2	25.2	67.0	67.0	4.5	4.5	13.3	13.5	3	3	-	-	-	-	817185	807819	-	-	-	-	
					Middle	4.6	0.1	77	29.3	8.0	8.0	25.2	25.2	66.9	66.9	4.5	4.5	13.4	13.5	2	3	-	-	-	-	817185	807819	-	-	-	-	
						8.1	0.1	29	29.2	8.0	8.0	25.8	25.8	66.6	66.6	4.4	4.4	18.8	13.5	3	3	-	-	-	-	817185	807819	-	-	-	-	
						8.1	0.1	29	29.2	8.0	8.0	25.8	25.8	66.8	66.8	4.4	4.4	18.8	13.5	4	3	-	-	-	-	817185	807819	-	-	-	-	
SR5A	Sunny	Moderate	11:05	5.8	Surface	1.0	0.1	241	30.2	8.0	8.0	24.1	24.1	76.7	76.6	5.1	5.1	8.2	8.4	4	5	-	-	816612	810711	-	-	-	-			
						1.0	0.1	254	30.2	8.0	8.0	24.1	24.1	76.5	76.5	5.1	5.1	8.3	8.4	4	5	-	-	-	-	816612	810711	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	8.4	5	5	-	-	-	-	816612	810711	-	-	-	-	
					Middle	4.8	0.1	323	29.7	7.8	7.8	25.2	25.2	77.4	77.7	5.1	5.2	8.6	8.4	5	5	-	-	-	-	816612	810711	-	-	-	-	
						4.8	0.1	349	29.8	7.8	7.8	25.2	25.2	77.9	77.7	5.2	5.2	8.6	8.4	5	5	-	-	-	-	816612	810711	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	8.4	5	5	-	-	-	-	816612	810711	-	-	-	-	
SR6	Sunny	Moderate	10:37	5.0	Surface	1.0	0.1	334	29.6	8.0	8.0	23.																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 August 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Fine	Moderate	17:44	7.5	Surface	1.0	0.1	282	29.8	8.1	8.1	23.7	23.7	74.8	74.7	5.0	4.7	14.0	17.6	10	13	70	73	815639	804229	<0.2	1.2	1.2			
						1.0	0.2	290	29.8	8.1	8.1	23.7	23.7	74.6	74.7	5.0	4.7	14.0	17.6	11	13	70	73	<0.2	1.1						
						3.8	0.1	87	29.5	8.0	8.0	24.7	24.7	65.4	65.4	4.4	4.4	17.7	17.7	12	12	73	73	<0.2	1.1						
					3.8	0.1	93	29.5	8.0	8.0	24.7	24.7	65.3	65.4	4.4	4.4	17.7	17.7	15	15	76	76	<0.2	1.3							
					6.5	0.2	87	29.3	8.0	8.0	25.3	25.3	65.1	65.2	4.3	4.3	21.0	21.0	15	15	76	76	<0.2	1.1							
					6.5	0.3	94	29.3	8.0	8.0	25.3	25.3	65.2	65.2	4.3	4.3	21.0	21.0	15	15	75	75	<0.2	1.2							
C2	Cloudy	Rough	16:50	10.1	Surface	1.0	1.1	182	30.1	8.0	8.0	17.9	17.9	79.1	79.1	5.4	5.0	12.6	14.9	6	7	72	74	825662	806915	<0.2	3.0	3.0			
						1.0	1.1	194	30.1	8.0	8.0	17.9	17.9	79.1	79.1	5.4	5.0	12.6	14.9	7	7	74	75	<0.2	2.8						
						5.1	0.9	174	29.2	8.0	8.0	21.7	21.7	66.8	66.8	4.5	4.5	16.1	16.1	8	8	74	76	<0.2	3.0						
					5.1	0.9	178	29.2	8.0	8.0	21.7	21.7	66.8	66.8	4.5	4.5	16.1	16.1	8	8	76	76	<0.2	3.1							
					9.1	0.5	181	28.9	8.0	8.0	23.2	23.2	67.7	67.7	4.6	4.6	15.9	15.9	8	8	76	76	<0.2	3.1							
					9.1	0.5	196	28.9	8.0	8.0	23.2	23.2	67.7	67.7	4.6	4.6	15.9	15.9	8	8	76	76	<0.2	3.1							
C3	Cloudy	Moderate	18:43	11.6	Surface	1.0	0.6	264	29.3	8.1	8.1	24.2	24.2	73.8	73.8	4.9	4.7	7.7	11.6	5	5	74	76	822082	817827	<0.2	1.5	1.4			
						1.0	0.6	271	29.3	8.1	8.1	24.2	24.2	73.8	73.8	4.9	4.7	7.7	11.6	5	5	75	76	<0.2	1.4						
						5.8	0.6	264	28.7	8.1	8.1	25.1	25.1	65.7	65.7	4.4	4.4	10.7	10.7	6	6	76	77	<0.2	1.4						
					5.8	0.6	286	28.7	8.1	8.1	25.1	25.1	65.7	65.7	4.4	4.4	10.7	10.7	6	6	76	77	<0.2	1.4							
					10.6	0.3	276	27.9	8.0	8.0	26.8	26.8	64.8	64.8	4.4	4.4	16.5	16.5	6	6	77	77	<0.2	1.3							
					10.6	0.4	293	27.9	8.0	8.0	26.8	26.8	64.8	64.8	4.4	4.4	16.5	16.5	5	5	77	77	<0.2	1.4							
IM1	Fine	Moderate	17:26	4.4	Surface	1.0	0.2	77	30.0	8.1	8.1	24.0	24.0	78.8	78.7	5.2	5.2	12.2	16.2	21	21	71	71	817960	807125	<0.2	1.9	1.7			
						1.0	0.3	82	30.0	8.1	8.1	24.0	24.0	78.6	78.7	5.2	5.2	12.2	16.2	21	21	71	71	<0.2	1.7						
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
					2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
					3.4	0.2	88	29.5	8.1	8.1	24.7	24.7	78.0	78.1	5.2	5.2	20.1	20.1	21	21	74	74	<0.2	1.6							
					3.4	0.2	90	29.5	8.1	8.1	24.7	24.7	78.2	78.1	5.2	5.2	20.1	20.1	21	21	74	74	<0.2	1.6							
IM2	Fine	Moderate	17:19	6.3	Surface	1.0	0.5	220	29.9	8.2	8.2	23.5	23.5	82.3	82.3	5.5	5.5	15.1	14.8	21	20	71	73	818135	806175	<0.2	1.8	1.7			
						1.0	0.5	221	29.9	8.2	8.2	23.5	23.5	82.3	82.3	5.5	5.5	15.1	14.8	19	19	71	73	<0.2	1.7						
						3.2	0.3	220	29.8	8.2	8.2	24.1	24.1	82.6	82.7	5.5	5.5	14.7	14.7	20	20	73	73	<0.2	1.8						
					3.2	0.3	241	29.8	8.2	8.2	24.1	24.1	82.7	82.7	5.5	5.5	14.7	14.7	20	20	73	73	<0.2	1.7							
					5.3	0.2	252	29.7	8.1	8.1	24.7	24.7	88.1	88.3	5.9	5.9	14.4	14.4	21	21	76	76	<0.2	1.7							
					5.3	0.2	270	29.7	8.1	8.1	24.7	24.7	88.5	88.3	5.9	5.9	14.6	14.6	22	22	76	76	<0.2	1.6							
IM3	Cloudy	Moderate	17:12	6.6	Surface	1.0	0.6	263	29.9	8.0	8.0	22.9	22.9	81.0	81.0	5.4	5.4	17.3	20.0	19	19	71	71	818793	805610	<0.2	1.6	1.6			
						1.0	0.6	265	29.9	8.0	8.0	22.9	22.9	80.9	81.0	5.4	5.4	17.4	20.0	19	19	71	71	<0.2	1.5						
						3.3	0.4	247	29.9	8.0	8.0	22.9	22.9	81.5	81.6	5.4	5.4	19.1	19.1	18	18	74	74	<0.2	1.5						
					3.3	0.4	258	29.9	8.0	8.0	22.9	22.9	81.6	81.6	5.5	5.5	19.2	19.2	19	19	74	74	<0.2	1.6							
					5.6	0.4	245	29.9	8.0	8.0	23.1	23.1	85.5	85.6	5.7	5.7	23.5	23.5	20	20	76	76	<0.2	1.6							
					5.6	0.4	256	29.9	8.0	8.0	23.1	23.1	85.6	85.6	5.7	5.7	23.5	23.5	20	20	76	76	<0.2	1.7							
IM4	Cloudy	Moderate	17:10	6.5	Surface	1.0	0.6	248	29.9	8.1	8.0	22.9	22.9	81.4	81.4	5.4	5.4	16.7	19.3	14	19	71	71	819710	804582	<0.2	1.7	1.7			
						1.0	0.6	250	29.9	8.0	8.0	22.9	22.9	81.4	81.4	5.4	5.4	16.8	19.3	14	19	71	71	<0.2	1.6						
						3.3	0.4	246	29.9	8.0	8.0	23.0	23.0	81.5	81.6	5.4	5.4	19.6	19.6	15	15	73	73	<0.2	1.6						
					3.3	0.5	262	29.9	8.0	8.0	23.0	23.0	81.6	81.6	5.5	5.5	19.7	19.7	16	16	73	73	<0.2	1.6							
					5.5	0.4	247	29.9	8.1	8.1	23.0	23.0	85.6	85.7	5.7	5.7	21.5	21.5	27	27	76	76	<0.2	1.7							
					5.5	0.4	262	29.9	8.1	8.1	23.0	23.0	85.7	85.7	5.7	5.7	21.4	21.4	28	28	76	76	<0.2	1.7							
IM5	Cloudy	Moderate	17:00	6.5	Surface	1.0	0.6	253	29.6	8.1	8.1	23.0	23.0	74.4	74.4	5.0	5.0	15.7	19.4	22	24	71	71	820729	804880	<0.2	1.8	1.6			
						1.0	0.6	253	29.6	8.1	8.1	23.0	23.0	74.4	74.4	5.0	5.0	15.7	19.4	23	24	71	71	<0.2	1.6						
						3.3	0.6	245	29.6	8.1	8.1	23.0	23.0	74.3	74.4	5.0	5.0	20.1	20.1	25	25	74	74	<0.2	1.6						
					3.3	0.6	257	29.6	8.1	8.1	23.0	23.0	74.4	74.4	5.0	5.0	20.2	20.2	25	25	74	74	<0.2	1.6							
					5.5	0.5	245	29.6	8.1	8.1	23.0	23.0	75.6	75.6	5.1	5.1	22.1	22.1	24	24	76	76	<0.2	1.6							
					5.5	0.5	250	29.6	8.1	8.1	23.0	23.0	75.6	75.6	5.1	5.1	22.4	22.4	25	25	76	76	<0.2	1.6							
IM6	Cloudy	Moderate	16:50	6.0	Surface	1.0	0.9	270	29.7	8.0	8.0	23.0	23.0	71.6	71.6	4.8	4.8	17.9	20.3	20	22	71	71	821036	805843	<0.2	1.6	1.7			
						1.0	1.0	270	29.7	8.0	8.0	23.0	23.0	71.6	71.6	4.8	4.8	18.0	20.3	20	22	71	71	<0.2	1.7						
						3.0	0.8	271	29.7	8.0	8.0	23.1	23.1	71.8	71.9	4.8	4.8	20.5	20.5	21	21	74	74	<0.2	1.6						
					3.0	0.8	283	29.7	8.0	8.0	23.1	23.1	71.9	71.9	4.8	4.8	20.5	20.5	22	22	74	74	<0.2	1.7							
					5.0	0.7	269	29.7	8.0	8.0	23.1	23.1	75.0	75.1	5.0	5.0	22.3	22.3	23	23	76	76	<0.2	1.6							
					5.0	0.8	273	29.7	8.0	8.0	23.1	23.1	75.1	75.1	5.0	5.0	22.5	22.5	24	24	76	76	<0.2	1.7							
IM7	Sunny	Moderate	16:44	7.2	Surface	1.0	1.0	256	30.1	8.0	8.0	21.9	21.9	74.9	74.9	5.0	4.9	12.5	18.4	11	10	71	71	821351	806836	<0.2	1.5	1.5			
						1.0	1.1	258	30.1	8.0	8.0	22.0	22.0	74.8	74.9	5.0															

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	12:22	8.6	Surface	1.0	0.7	223	28.6	28.6	8.0	8.0	23.7	23.7	72.8	72.8	4.9	4.9	12.9	14.9	7	7	75	75	815590	804248	<0.2	1.7	1.7					
						1.0	0.7	227	28.6	8.0	8.0	23.7	23.7	72.8	72.8	4.9	4.9	12.9	14.9	8	8	75	75											
					Middle	4.3	0.8	229	28.5	28.5	8.0	8.0	24.8	24.8	70.6	70.6	4.8	4.8	16.9	16.9	7	7	76	76										
						4.3	0.9	232	28.5	28.5	8.0	8.0	24.8	24.8	70.6	70.6	4.8	4.8	16.9	16.9	6	6	76	76										
					Bottom	7.6	0.5	237	28.5	28.5	8.0	8.0	26.5	26.5	74.6	74.6	5.0	5.0	14.8	14.8	8	8	77	77										
						7.6	0.6	255	28.5	28.5	8.0	8.0	26.5	26.5	74.6	74.6	5.0	5.0	14.8	14.8	7	7	77	77										
C2	Rainy	Rough	13:38	11.5	Surface	1.0	0.4	179	28.8	28.8	8.0	8.0	22.9	22.9	77.5	77.5	5.3	5.3	16.8	18.3	10	10	73	73	825661	806934	<0.2	1.7	1.8					
						1.0	0.4	182	28.8	28.8	8.0	8.0	22.9	22.9	77.5	77.5	5.3	5.3	16.8	18.3	9	9	72	72										
					Middle	5.8	0.4	112	28.7	28.7	8.1	8.1	24.5	24.5	75.9	75.9	5.1	5.1	16.3	16.3	10	10	74	74										
						5.8	0.4	114	28.7	28.7	8.1	8.1	24.5	24.5	75.9	75.9	5.1	5.1	16.3	16.3	9	9	74	74										
					Bottom	10.5	0.3	145	28.7	28.7	8.1	8.1	24.6	24.6	81.5	81.5	5.5	5.5	21.9	21.9	10	10	76	76										
						10.5	0.3	152	28.7	28.7	8.1	8.1	24.6	24.6	81.5	81.5	5.5	5.5	21.9	21.9	10	10	76	76										
C3	Rainy	Moderate	11:52	11.9	Surface	1.0	0.1	127	28.1	28.1	8.1	8.1	25.5	25.5	71.3	71.2	4.8	4.8	10.8	14.5	4	4	74	74	822094	817797	<0.2	1.9	1.8					
						1.0	0.1	135	28.1	28.1	8.1	8.1	25.5	25.5	71.1	71.2	4.8	4.8	10.9	14.5	4	4	74	74										
					Middle	6.0	0.2	354	27.1	27.1	8.0	8.0	28.3	28.3	61.9	61.9	4.2	4.2	12.7	12.7	4	4	75	75										
						6.0	0.2	326	27.1	27.1	8.0	8.0	28.3	28.3	61.9	61.9	4.2	4.2	12.7	12.7	4	4	76	76										
					Bottom	10.9	0.2	122	27.1	27.1	8.0	8.0	28.3	28.3	64.6	64.6	4.4	4.4	19.8	19.8	4	4	77	77										
						10.9	0.2	127	27.1	27.1	8.0	8.0	28.3	28.3	64.6	64.6	4.4	4.4	19.8	19.8	4	4	76	76										
IM1	Rainy	Rough	12:55	5.4	Surface	1.0	0.1	254	28.5	28.5	8.0	8.0	24.8	24.8	70.3	70.3	4.8	4.8	16.2	16.0	7	9	72	74	817946	807142	<0.2	1.8	1.8					
						1.0	0.1	271	28.5	28.5	8.0	8.0	24.8	24.8	70.3	70.3	4.8	4.8	16.2	16.0	8	9	73	74										
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-
					Bottom	4.4	0.1	209	28.5	28.5	8.0	8.0	24.9	24.9	70.6	70.6	4.8	4.8	15.7	15.7	10	11	74	75										
						4.4	0.2	212	28.5	28.5	8.0	8.0	24.9	24.9	70.6	70.6	4.8	4.8	15.7	15.7	11	11	75	75										
IM2	Rainy	Rough	13:02	8.3	Surface	1.0	0.9	208	28.6	28.6	8.0	8.0	24.1	24.1	73.1	73.1	5.0	5.0	13.9	15.9	8	9	73	74	818157	806137	<0.2	1.7	1.6					
						1.0	0.9	228	28.6	28.6	8.0	8.0	24.1	24.1	73.1	73.1	5.0	5.0	13.9	15.9	8	9	72	74										
					Middle	4.2	0.7	203	28.6	28.6	8.0	8.0	24.3	24.3	70.9	70.9	4.8	4.8	16.6	16.6	9	9	75	75										
						4.2	0.7	206	28.6	28.6	8.0	8.0	24.3	24.3	70.9	70.9	4.8	4.8	16.6	16.6	9	9	75	75										
					Bottom	7.3	0.2	235	28.5	28.5	8.0	8.0	25.1	25.1	72.4	72.4	4.9	4.9	17.1	17.1	9	9	76	76										
						7.3	0.3	238	28.5	28.5	8.0	8.0	25.1	25.1	72.4	72.4	4.9	4.9	17.1	17.1	9	9	75	75										
IM3	Rainy	Rough	13:10	6.9	Surface	1.0	0.5	225	28.8	28.8	8.0	8.0	21.5	21.5	78.7	78.7	5.4	5.4	13.6	16.7	11	13	73	75	818782	805588	<0.2	1.6	1.7					
						1.0	0.5	234	28.8	28.8	8.0	8.0	21.5	21.5	78.7	78.7	5.4	5.4	13.6	16.7	11	13	73	75										
					Middle	3.5	0.4	220	28.8	28.8	8.0	8.0	22.6	22.6	78.4	78.4	5.3	5.3	15.7	15.7	14	15	75	76										
						3.5	0.5	235	28.8	28.8	8.0	8.0	22.6	22.6	78.4	78.4	5.3	5.3	15.7	15.7	15	15	76	76										
					Bottom	5.9	0.3	231	28.8	28.8	8.0	8.0	23.8	23.8	79.3	79.3	5.4	5.4	20.8	20.8	15	15	76	76										
						5.9	0.3	251	28.8	28.8	8.0	8.0	23.8	23.8	79.3	79.3	5.4	5.4	20.8	20.8	14	14	75	75										
IM4	Rainy	Rough	13:20	6.8	Surface	1.0	1.1	190	28.8	28.8	8.0	8.0	21.6	21.6	78.6	78.6	5.4	5.4	15.7	15.1	12	15	73	74	819736	804606	<0.2	1.7	1.7					
						1.0	1.1	197	28.8	28.8	8.0	8.0	21.6	21.6	78.6	78.6	5.4	5.4	15.7	15.1	13	15	73	74										
					Middle	3.4	1.0	195	28.8	28.8	8.0	8.0	22.7	22.7	78.1	78.1	5.3	5.3	14.1	14.1	12	13	74	75										
						3.4	1.1	213	28.8	28.8	8.0	8.0	22.7	22.7	78.1	78.1	5.3	5.3	14.1	14.1	13	13	75	75										
					Bottom	5.8	0.6	176	28.8	28.8	8.0	8.0	23.6	23.6	78.7	78.7	5.3	5.3	15.5	15.5	18	19	76	76										
						5.8	0.6	192	28.8	28.8	8.0	8.0	23.6	23.6	78.7	78.7	5.3	5.3	15.5	15.5	19	19	76	76										
IM5	Rainy	Rough	13:30	6.7	Surface	1.0	1.0	223	28.8	28.8	8.0	8.0	22.9	22.9	78.2	78.2	5.3	5.3	15.5	16.2	11	12	73	75	820707	804855	<0.2	1.8	1.7					
						1.0	1.0	224	28.8	28.8	8.0	8.0	22.9	22.9	78.2	78.2	5.3	5.3	15.5	16.2	11	12	73	75										
					Middle	3.4	0.8	217	28.8	28.8	8.0	8.0	24.0	24.0	78.0	78.0	5.3	5.3	14.2	14.2	13	13	75	74										
						3.4	0.9	232	28.8	28.8	8.0	8.0	24.0	24.0	78.0	78.0	5.3	5.3	14.2	14.2	12	12	74	74										
					Bottom	5.7	0.6	227	28.8	28.8	8.1	8.1	24.1	24.1	78.4	78.4	5.3	5.3	18.9	18.9	13	14	76	77										
						5.7	0.6	249	28.8	28.8	8.1	8.1	24.1	24.1	78.4	78.4	5.3	5.3	18.9	18.9	14	14	77	77										
IM6	Rainy	Rough	13:39	7.3	Surface	1.0	0.7	230	28.8	28.8	8.0	8.0	22.9	22.9	77.8	77.8	5.3	5.3	13.6	16.1	9	10	74	75	821056	805811	<0.2	1.6	1.6					
						1.0	0.8	247	28.8	28.8	8.0	8.0	22.9	22.9	77.8	77.8	5.3	5.3	13.6	16.1	9	10	73	75										
					Middle	3.7	0.7	246	28.8	28.8	8.1	8.1	24.0	24.0	76.3	76.3	5.2	5.2	16.4	16.4	10	11	75	74										
						3.7	0.8	263	28.8	28.8	8.1	8.1	24.0	24.0	76.3	76.3	5.2	5.2	16.4	16.4	11	11	74	74										
					Bottom	6.3	0.6	254	28.8	28.8	8.0	8.0	24.3	24.3	77.6	77.6	5.2	5.2	18.2	18.2	11	10	78	76										
						6.3	0.6	271	28.8	28.8	8.0	8.0	24.3	24.3	77.6	77.6	5.2	5.2	18.2	18.2	10	10	76	76										
IM7	Rainy	Rough	13:49	6.9	Surface	1.0	1.2	209	28.8	28.8	8.0	8.0	23.3	23.3	79.7	79.7	5.4	5.4	14.8	17.6	7	8	73	75	821346	806841	<0.2	1.9	1.8					
						1.0	1.3	213	28.8	28.8	8.0	8.0	23.3	23.3	79.7	79.7	5.4	5.4	14.8	17.6	7	8	73	75										
					Middle	3.5	1.0	226	28.7	28.7	8.1	8.1	24.1	24.1	81.0	81.0	5.5	5.5	16.5															

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 August 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value	Value
C1	Rainy	Moderate	19:20	8.6	Surface	1.0	0.5	33	28.5	28.5	8.0	8.0	21.5	21.5	68.2	68.2	4.7	4.6	13.1	13.9	7	8	73	75	815598	804225	<0.2	2.0	<0.2	2.0			
						1.0	0.6	35	28.5		8.0	8.0	21.5	21.5	68.2	68.2	4.7		13.1		7		72				<0.2	2.0					
						4.3	0.5	39	26.6		8.0	8.0	25.2	25.2	63.3	63.3	4.4		14.5		7		75				<0.2	2.0					
					Middle	4.3	0.5	39	26.6	26.6	8.0	8.0	25.2	25.2	63.3	63.3	4.4	4.6	14.5	13.9	8	8	75	8	75	75	815598	804225	<0.2	1.8	<0.2	1.8	
						7.6	0.5	40	26.4		8.0	8.0	26.3	26.3	53.2	53.2	3.7		14.2		9		77		<0.2				2.1				
						7.6	0.5	41	26.4		8.0	8.0	26.3	26.3	53.2	53.2	3.7		14.2		9		78		<0.2				2.1				
C2	Rainy	Moderate	18:13	12.2	Surface	1.0	0.1	112	28.6	28.6	8.0	8.0	22.6	22.6	84.4	84.4	5.8	5.6	12.3	15.4	9	9	74	75	825707	806954	<0.2	2.0	<0.2	1.7			
						1.0	0.1	112	28.6		8.0	8.0	22.6	22.6	84.4	84.4	5.8		12.3		10		73				<0.2	1.8					
						6.1	0.1	308	27.7		8.0	8.0	23.5	23.5	78.8	78.8	5.4		15.4		8		75				<0.2	1.9					
					Middle	6.1	0.1	331	27.7	27.7	8.0	8.0	23.5	23.5	78.8	78.8	5.4	5.0	15.4	15.4	8	8	74	8	78	78	825707	806954	<0.2	1.0	<0.2	1.0	
						11.2	0.1	341	27.1		8.0	8.0	24.2	24.2	72.6	72.6	5.0		18.5		9		77		<0.2				1.8				
						11.2	0.1	314	27.1		8.0	8.0	24.2	24.2	72.6	72.6	5.0		18.6		8		77		<0.2				1.8				
C3	Cloudy	Moderate	19:58	11.2	Surface	1.0	0.4	244	28.1	28.1	8.0	8.0	24.4	24.4	74.4	74.4	5.1	4.8	11.9	13.8	6	7	74	76	822128	817827	<0.2	1.7	<0.2	2.1			
						1.0	0.4	255	28.1		8.0	8.0	24.4	24.4	74.4	74.4	5.1		11.9		7		75				<0.2	1.7					
						5.6	0.2	259	27.8		8.0	8.0	26.3	26.3	64.3	64.3	4.4		12.8		6		76				<0.2	1.8					
					Middle	5.6	0.3	262	27.8	27.8	8.0	8.0	26.3	26.3	64.3	64.3	4.4	4.0	12.9	13.8	7	7	76	7	78	78	822128	817827	<0.2	1.8	<0.2	2.1	
						10.2	0.2	249	26.9		8.0	8.0	27.9	27.9	59.2	59.2	4.0		16.5		7		77		<0.2				1.9				
						10.2	0.2	270	26.9		8.0	8.0	27.9	27.9	59.2	59.2	4.0		16.5		8		77		<0.2				1.9				
IM1	Cloudy	Moderate	18:59	5.5	Surface	1.0	0.2	76	28.5	28.5	8.0	8.0	23.2	23.2	67.7	67.7	4.6	4.6	15.2	16.8	9	9	74	75	817930	807130	<0.2	2.0	<0.2	1.9			
						1.0	0.3	77	28.5		8.0	8.0	23.2	23.2	67.7	67.7	4.6		15.2		9		74				<0.2	1.9					
						2.8	-	-	-		-	-	-	-	-	-	-		-		-		-				-	-			-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817930	807130	<0.2	-	<0.2	-
						4.5	0.3	69	26.8		8.0	8.0	24.8	24.8	55.8	55.8	3.9	18.4	10	75	<0.2	2.0											
						4.5	0.3	70	26.8		8.0	8.0	24.8	24.8	55.8	55.8	3.9	18.4	9	75	<0.2	1.9											
IM2	Cloudy	Moderate	18:52	8.4	Surface	1.0	0.2	54	28.7	28.7	8.0	8.0	21.4	21.4	71.2	71.2	4.9	4.7	13.7	16.5	7	7	73	75	818139	806171	<0.2	2.0	<0.2	1.8			
						1.0	0.2	55	28.7		8.0	8.0	21.4	21.4	71.2	71.2	4.9		13.7		8		73				<0.2	1.8					
						4.2	0.3	61	26.7		8.0	8.0	22.0	22.0	63.6	63.6	4.5		17.0		7		74				<0.2	2.0					
					Middle	4.2	0.3	65	26.7	26.7	8.0	8.0	22.0	22.0	63.6	63.6	4.5	4.1	17.0	16.5	7	7	75	7	78	78	818139	806171	<0.2	1.9	<0.2	1.9	
						7.4	0.3	43	26.5		8.0	8.0	22.7	22.7	57.6	57.6	4.1		18.7		7		76		<0.2				1.9				
						7.4	0.4	44	26.5		8.0	8.0	22.7	22.7	57.6	57.6	4.1		18.7		7		76		<0.2				1.9				
IM3	Cloudy	Moderate	18:44	7.9	Surface	1.0	0.1	332	28.1	28.1	8.0	8.0	21.4	21.4	68.4	68.4	4.7	4.5	14.9	14.8	8	8	74	75	818795	805608	<0.2	1.8	<0.2	2.0			
						1.0	0.1	332	28.1		8.0	8.0	21.4	21.4	68.4	68.4	4.7		14.9		8		72				<0.2	1.9					
						4.0	0.2	47	26.9		8.0	8.0	22.3	22.3	60.5	60.5	4.3		12.9		8		76				<0.2	2.0					
					Middle	4.0	0.2	48	26.9	26.9	8.0	8.0	22.3	22.3	60.5	60.5	4.3	3.7	12.9	14.8	7	7	75	7	76	76	818795	805608	<0.2	1.8	<0.2	1.8	
						6.9	0.5	42	26.4		8.0	8.0	24.8	24.7	53.3	53.3	3.7		16.6		9		76		<0.2				2.0				
						6.9	0.5	45	26.4		8.0	8.0	24.7	24.7	53.3	53.3	3.7		16.6		9		77		<0.2				1.7				
IM4	Cloudy	Moderate	18:32	8.2	Surface	1.0	0.3	321	28.6	28.6	8.1	8.1	21.8	21.8	69.1	69.1	4.7	4.6	11.9	16.1	8	7	73	75	819747	804589	<0.2	1.9	<0.2	2.0			
						1.0	0.3	323	28.6		8.1	8.1	21.8	21.8	69.1	69.1	4.7		11.9		7		74				<0.2	1.9					
						4.1	0.3	328	26.5		8.0	8.0	21.1	21.1	62.2	62.2	4.4		16.6		8		74				<0.2	2.0					
					Middle	4.1	0.3	340	26.5	26.5	8.0	8.0	21.0	21.1	62.2	62.2	4.4	3.9	16.6	16.1	7	7	75	7	77	77	819747	804589	<0.2	1.9	<0.2	1.9	
						7.2	0.2	343	26.2		8.0	8.0	23.3	23.3	55.7	55.7	3.9		19.9		7		76		<0.2				1.9				
						7.2	0.2	316	26.2		8.0	8.0	23.3	23.3	55.7	55.7	3.9		19.9		7		76		<0.2				1.9				
IM5	Rainy	Moderate	18:26	7.1	Surface	1.0	0.5	318	27.7	27.7	8.1	8.1	22.4	22.4	71.4	71.4	5.0	4.8	12.3	15.8	9	10	75	76	820707	804855	<0.2	2.0	<0.2	1.3			
						1.0	0.6	337	27.7		8.1	8.1	22.3	22.4	71.4	71.4	5.0		12.3		8		74				<0.2	1.5					
						3.6	0.5	288	26.5		8.1	8.1	24.7	24.7	65.6	65.6	4.6		15.6		12		76				<0.2	2.0					
					Middle	3.6	0.5	312	26.5	26.5	8.1	8.1	24.7	24.7	65.6	65.6	4.6	4.1	15.6	15.8	12	10	74	11	78	78	820707	804855	<0.2	1.8	<0.2	2.0	
						6.1	0.6	290	26.5		8.1	8.1	24.1	24.1	58.8	58.8	4.1		19.6		8		77		<0.2				2.0				
						6.1	0.6	306	26.5		8.1	8.1	24.1	24.1	58.8	58.8	4.1		19.6		10		77		<0.2				2.0				
IM6	Rainy	Moderate	18:18	7.1	Surface	1.0	0.7	302	27.6	27.6	8.1	8.1	21.7	21.7	71.0	71.0	5.1	5.0	14.3	16.1	8	9	74	75	821060	805819	<0.2	1.8	<0.2	1.9			
						1.0	0.7	317	27.6		8.1	8.1	21.6	21.7	71.0	71.0	5.0		14.4		9		72				<0.2	1.9					
						3.6	0.7	271	26.8		8.1	8.1	21.4	21.5	68.8	68.8	4.9		17.8		9		75				<0.2	2.0					
					Middle	3.6	0.7	297	26.8	26.8	8.1	8.1	21.6	21.5	68.8	68.8	4.9	4.5	17.8	16.1	9	9	75	8	76	76	821060	805819	<0.2	1.9	<0.2	2.0	
						6.1	0.6	295	26.7		8.1	8.1	23.7	23.7	64.3	64.3	4.5		16.3		8		76		<0.2				2.0				
						6.1	0.6	321	26.7		8.1	8.1	23.7	23.7	64.3	64.3	4.5		16.1		8		77		<0.2				1.8				
IM7	Rainy	Moderate	18:13	8.2	Surface	1.0	0.7	265	28.3	28.3	8.1	8.1	20.6	20.6	71.0	71.0	4.9	4.8	12.1	14.6	8	8	74	7									

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 August 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	18:44	7.1	Surface	1.0	0.1	274	29.1	8.0	8.0	21.9	21.9	78.0	78.0	5.3	5.2	11.5	14.5	9	73	75	822078	808818	<0.2	2.0	<0.2	1.9			
						1.0	0.1	277	29.1	8.0	8.0	21.9	21.9	78.0	78.0	5.3	5.2	11.5	14.5	9	73	75	822078	808818	<0.2	2.2	<0.2	1.9			
					Middle	3.6	0.0	68	27.5	27.5	8.0	8.0	21.9	21.9	71.2	71.2	5.0	5.0	14.2	14.2	9	74	75	822078	808818	<0.2	1.8	<0.2	1.9		
						3.6	0.0	71	27.5	27.3	8.0	8.0	21.9	21.9	71.2	71.2	5.0	5.0	14.2	14.2	10	75	77	822078	808818	<0.2	1.8	<0.2	1.9		
					Bottom	6.1	0.2	103	27.3	27.3	8.0	8.0	23.6	23.6	69.0	69.0	4.8	4.8	17.8	17.8	10	77	77	822078	808818	<0.2	1.7	<0.2	1.7		
						6.1	0.2	108	27.3	27.3	8.0	8.0	23.6	23.6	69.0	69.0	4.8	4.8	17.8	17.8	10	77	77	822078	808818	<0.2	1.7	<0.2	1.7		
IM10	Cloudy	Moderate	18:51	7.6	Surface	1.0	0.1	172	28.9	28.9	8.0	8.0	20.7	20.7	75.5	75.5	5.2	5.2	12.7	13.6	10	72	75	822356	809786	<0.2	1.9	<0.2	1.9		
						1.0	0.1	183	28.9	27.4	8.0	8.0	20.7	20.7	75.5	75.5	5.2	5.2	12.7	13.6	9	73	75	822356	809786	<0.2	1.9	<0.2	1.9		
					Middle	3.8	0.1	330	27.4	27.4	8.0	8.0	21.9	21.9	73.2	73.2	5.1	5.1	13.7	13.7	10	75	77	822356	809786	<0.2	2.0	<0.2	1.8		
						3.8	0.1	336	27.4	27.3	8.0	8.0	21.9	21.9	73.2	73.2	5.1	5.1	13.7	13.7	10	75	77	822356	809786	<0.2	1.8	<0.2	1.9		
					Bottom	6.6	0.3	346	27.3	27.3	8.0	8.0	23.0	23.0	66.2	66.2	4.6	4.6	14.4	14.4	11	77	77	822356	809786	<0.2	1.9	<0.2	1.9		
						6.6	0.4	318	27.3	27.3	8.0	8.0	23.0	23.0	66.2	66.2	4.6	4.6	14.4	14.4	11	77	77	822356	809786	<0.2	1.9	<0.2	1.9		
IM11	Cloudy	Moderate	19:02	7.7	Surface	1.0	0.3	301	28.6	28.6	8.0	8.0	21.2	21.2	73.3	73.3	5.0	5.0	12.2	14.9	10	74	75	822072	811439	<0.2	2.1	<0.2	1.9		
						1.0	0.3	327	28.6	27.9	8.0	8.0	21.2	21.2	73.3	73.3	5.0	5.0	12.2	14.9	10	74	77	822072	811439	<0.2	1.7	<0.2	2.0		
					Middle	3.9	0.2	323	27.9	27.9	8.0	8.0	24.0	24.0	68.6	68.6	4.7	4.7	14.9	14.9	10	74	77	822072	811439	<0.2	2.0	<0.2	1.9		
						3.9	0.2	333	27.9	27.6	8.0	8.0	24.0	24.0	68.6	68.6	4.7	4.7	14.9	14.9	10	74	77	822072	811439	<0.2	2.0	<0.2	1.9		
					Bottom	6.7	0.1	347	27.6	27.6	8.0	8.0	24.9	24.9	62.8	62.8	4.3	4.3	17.6	17.6	10	77	77	822072	811439	<0.2	2.0	<0.2	1.9		
						6.7	0.1	352	27.6	27.6	8.0	8.0	24.9	24.9	62.8	62.8	4.3	4.3	17.7	17.7	11	77	77	822072	811439	<0.2	1.9	<0.2	1.9		
IM12	Cloudy	Moderate	19:08	8.1	Surface	1.0	0.4	279	28.7	28.7	8.0	8.0	22.5	22.5	69.8	69.8	4.8	4.8	11.9	15.0	6	72	74	821466	812034	<0.2	2.0	<0.2	2.1		
						1.0	0.4	301	28.7	28.2	8.0	8.0	22.5	22.5	69.8	69.8	4.8	4.8	11.9	15.0	7	73	74	821466	812034	<0.2	1.9	<0.2	2.0		
					Middle	4.1	0.3	276	28.2	28.2	8.0	8.0	24.9	24.9	66.6	66.6	4.5	4.5	13.7	13.7	7	74	75	821466	812034	<0.2	2.1	<0.2	1.9		
						4.1	0.3	299	28.2	27.9	8.0	8.0	24.9	24.9	66.6	66.6	4.5	4.5	13.7	13.7	7	75	76	821466	812034	<0.2	2.2	<0.2	1.8		
					Bottom	7.1	0.1	219	28.0	27.9	8.0	8.0	24.9	24.9	62.9	62.9	4.3	4.3	19.2	19.2	8	76	76	821466	812034	<0.2	2.2	<0.2	1.8		
						7.1	0.1	224	27.9	27.9	8.0	8.0	24.9	24.9	62.9	62.9	4.3	4.3	19.3	19.3	8	76	76	821466	812034	<0.2	2.2	<0.2	1.8		
SR2	Cloudy	Moderate	19:37	4.5	Surface	1.0	0.1	54	28.1	28.1	8.0	8.0	21.4	21.4	72.3	72.3	5.0	5.0	15.2	15.7	10	75	76	821460	814195	<0.2	1.8	<0.2	1.9		
						1.0	0.1	57	28.1	28.1	8.0	8.0	21.4	21.4	72.3	72.3	5.0	5.0	15.2	15.7	11	75	76	821460	814195	<0.2	1.9	<0.2	1.9		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821460	814195	<0.2	-	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821460	814195	<0.2	-	<0.2
					Bottom	3.5	0.1	6	28.0	28.0	8.0	8.0	24.8	24.8	63.2	63.2	4.3	4.3	16.7	16.7	15	76	76	821460	814195	<0.2	1.8	<0.2	2.1		
						3.5	0.1	6	28.0	28.0	8.0	8.0	24.8	24.8	63.2	63.2	4.3	4.3	15.8	15.8	14	76	76	821460	814195	<0.2	1.8	<0.2	2.1		
SR3	Rainy	Moderate	18:33	8.6	Surface	1.0	0.2	265	28.5	28.5	8.0	8.0	22.1	22.1	77.4	77.4	5.3	5.3	11.1	14.0	6	-	-	822164	807556	-	-	-	-		
						1.0	0.2	277	28.5	27.6	8.0	8.0	22.1	22.1	77.4	77.4	5.3	5.3	11.1	14.0	7	-	-	822164	807556	-	-	-	-		
					Middle	4.3	0.1	98	27.6	27.6	8.0	8.0	23.5	23.5	80.2	80.2	5.5	5.5	14.2	14.2	8	-	-	822164	807556	-	-	-	-		
						4.3	0.1	106	27.6	26.9	8.0	8.0	23.5	23.5	80.2	80.2	5.5	5.5	14.4	14.4	8	-	-	822164	807556	-	-	-	-		
					Bottom	7.6	0.1	305	26.9	26.9	8.0	8.0	24.2	24.2	79.7	79.7	5.6	5.6	16.6	16.6	9	-	-	822164	807556	-	-	-	-		
						7.6	0.1	330	26.9	26.9	8.0	8.0	24.2	24.2	79.7	79.7	5.6	5.6	16.6	16.6	8	-	-	822164	807556	-	-	-	-		
SR4A	Rainy	Moderate	19:36	8.8	Surface	1.0	0.0	247	28.3	28.3	8.0	8.0	20.8	20.8	72.2	72.2	5.0	5.0	15.9	13.6	6	-	-	817201	807793	-	-	-	-		
						1.0	0.0	257	28.3	26.6	8.0	8.0	20.8	20.8	72.2	72.2	5.0	5.0	15.9	13.6	7	-	-	817201	807793	-	-	-	-		
					Middle	4.4	0.1	91	26.6	26.6	8.0	8.0	23.6	23.6	64.5	64.5	4.5	4.5	13.2	13.2	6	-	-	817201	807793	-	-	-	-		
						4.4	0.1	97	26.6	26.6	8.0	8.0	23.6	23.6	64.5	64.5	4.5	4.5	13.2	13.2	6	-	-	817201	807793	-	-	-	-		
					Bottom	7.8	0.0	87	26.6	26.6	8.0	8.0	26.3	26.3	59.4	59.4	4.1	4.1	11.7	11.7	6	-	-	817201	807793	-	-	-	-		
						7.8	0.0	91	26.6	26.6	8.0	8.0	26.3	26.3	59.4	59.4	4.1	4.1	11.7	11.7	7	-	-	817201	807793	-	-	-	-		
SR5A	Rainy	Moderate	19:56	3.5	Surface	1.0	0.2	287	28.5	28.5	8.0	8.0	22.6	22.6	65.6	65.6	4.5	4.5	13.7	15.5	6	-	-	816612	810698	-	-	-	-		
						1.0	0.2	309	28.5	28.4	8.0	8.0	22.7	22.7	65.6	65.6	4.5	4.5	13.7	15.5	7	-	-	816612	810698	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816612	810698	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816612	810698	-	-	-
					Bottom	2.5	0.3	292	28.4	28.4	8.0	8.0	24.4	24.4	61.2	61.2	4.2	4.2	17.3	17.3	7	-	-	816612	810698	-	-	-	-		
						2.5	0.3	294	28.4	28.4	8.0	8.0	24.4	24.4	61.2	61.2	4.2	4.2	17.3	17.3	8	-	-	816612	810698	-	-	-	-		
SR6	Rainy	Moderate	20:17	3.6	Surface	1.0	0.0	186	29.0	28.9	8.0	8.0	22.0	22.0	73.4	73.4	5.0	5.0	11.2	10.6	8	-									

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value	Value
C1	Cloudy	Moderate	16:16	9.5	Surface	1.0	0.1	243	29.1	8.1	8.1	22.3	22.3	84.1	84.1	5.7	5.6	8.5	12.1	5	7	81	83	815593	804252	<0.2	<0.2	2.0	2.4				
						1.0	0.1	248	29.1	29.1	8.1	8.1	22.3	22.3	84.0	84.0	5.7	5.6	8.4	12.1	6	7	81	83	<0.2	<0.2	2.3	2.5					
					Middle	4.8	0.1	240	28.8	28.8	8.2	8.2	26.5	26.5	81.9	81.9	5.5	5.5	11.7	12.1	7	7	83	83	<0.2	<0.2	2.5	2.5					
						4.8	0.1	249	28.8	28.8	8.2	8.2	26.5	26.5	81.9	81.9	5.5	5.5	11.7	12.1	6	7	84	84	<0.2	<0.2	2.5	2.5					
					Bottom	8.5	0.0	233	28.8	28.8	8.2	8.2	27.8	27.8	80.7	80.7	5.3	5.3	16.2	12.1	9	7	85	85	<0.2	<0.2	2.5	2.4					
						8.5	0.0	255	28.8	28.8	8.2	8.2	27.8	27.8	80.7	80.7	5.3	5.3	16.1	12.1	9	7	84	84	<0.2	<0.2	2.4	2.4					
C2	Cloudy	Moderate	15:35	11.4	Surface	1.0	0.1	65	29.2	29.2	8.1	8.1	23.7	23.7	83.7	83.7	5.6	5.6	10.6	12.1	8	8	80	82	825685	806929	<0.2	<0.2	3.5	3.4			
						1.0	0.1	70	29.2	29.1	8.1	8.1	23.7	23.7	83.7	83.7	5.6	5.6	10.7	12.1	8	8	80	80	<0.2	<0.2	3.7	3.4					
					Middle	5.7	0.2	98	29.1	29.1	8.1	8.1	23.9	23.9	82.5	82.5	5.6	5.6	12.1	12.1	9	8	82	82	<0.2	<0.2	3.4	3.4					
						5.7	0.2	99	29.1	29.1	8.1	8.1	23.9	23.9	82.5	82.5	5.6	5.6	12.1	12.1	9	8	82	82	<0.2	<0.2	3.3	3.2					
					Bottom	10.4	0.4	152	29.1	29.1	8.1	8.1	24.1	24.1	81.9	81.9	5.5	5.5	13.6	12.1	7	8	84	84	<0.2	<0.2	3.2	3.2					
						10.4	0.4	158	29.1	29.1	8.1	8.1	24.1	24.1	81.9	81.9	5.5	5.5	13.6	12.1	8	8	84	84	<0.2	<0.2	3.2	3.4					
C3	Cloudy	Moderate	17:25	12.6	Surface	1.0	0.2	108	29.1	29.1	8.0	8.0	23.3	23.3	77.5	77.5	5.2	5.2	14.0	14.3	15	16	80	82	822108	817791	<0.2	<0.2	1.9	1.9			
						1.0	0.2	109	29.1	29.1	8.0	8.0	23.3	23.3	77.5	77.5	5.2	5.2	14.0	14.3	14	16	80	82	<0.2	<0.2	1.8	1.8					
					Middle	6.3	0.3	87	29.1	29.1	8.0	8.0	23.3	23.3	77.5	77.5	5.2	5.2	14.0	14.3	16	16	82	82	<0.2	<0.2	1.8	1.8					
						6.3	0.3	93	29.1	29.1	8.0	8.0	23.3	23.3	77.5	77.5	5.2	5.2	14.0	14.3	15	16	83	84	<0.2	<0.2	2.0	2.0					
					Bottom	11.6	0.2	65	29.2	29.2	8.0	8.0	23.6	23.6	77.9	77.9	5.3	5.3	14.9	14.3	16	16	84	84	<0.2	<0.2	1.8	1.8					
						11.6	0.2	70	29.2	29.2	8.0	8.0	23.6	23.6	77.9	77.9	5.3	5.3	14.9	14.3	17	16	84	84	<0.2	<0.2	2.0	2.0					
IM1	Cloudy	Moderate	15:56	5.7	Surface	1.0	0.2	192	29.3	29.3	8.1	8.1	22.5	22.5	84.6	84.6	5.7	5.7	9.1	11.4	6	6	81	82	817969	807124	<0.2	<0.2	2.4	2.3			
						1.0	0.2	192	29.3	29.3	8.1	8.1	22.5	22.5	84.5	84.5	5.7	5.7	9.2	11.4	6	6	81	81	<0.2	<0.2	2.4	2.4					
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.7	0.2	244	29.1	29.1	8.1	8.1	24.3	24.3	80.7	80.7	5.4	5.4	13.6	11.4	5	6	83	83	<0.2	<0.2	1.9	1.9					
						4.7	0.2	251	29.1	29.1	8.1	8.1	24.3	24.3	80.7	80.7	5.4	5.4	13.8	11.4	5	6	84	84	<0.2	<0.2	2.4	2.4					
IM2	Cloudy	Moderate	15:47	7.8	Surface	1.0	0.1	92	29.2	29.2	8.1	8.1	23.8	23.8	82.9	82.9	5.6	5.6	9.5	10.6	5	6	81	83	818136	806165	<0.2	<0.2	2.5	2.5			
						1.0	0.1	100	29.2	29.2	8.1	8.1	23.8	23.8	82.9	82.9	5.6	5.6	9.5	10.6	4	6	81	83	<0.2	<0.2	2.5	2.5					
					Middle	3.9	0.0	119	29.1	29.1	8.1	8.1	24.1	24.1	82.2	82.2	5.5	5.5	9.7	10.6	6	6	83	83	<0.2	<0.2	2.3	2.3					
						3.9	0.0	130	29.1	29.1	8.1	8.1	24.1	24.1	82.2	82.2	5.5	5.5	9.7	10.6	5	6	84	84	<0.2	<0.2	2.6	2.6					
					Bottom	6.8	0.1	155	29.1	29.1	8.1	8.1	24.8	24.8	81.7	81.7	5.5	5.5	12.6	10.6	8	6	85	85	<0.2	<0.2	2.7	2.7					
						6.8	0.1	163	29.1	29.1	8.1	8.1	24.8	24.8	81.7	81.7	5.5	5.5	12.6	10.6	7	6	85	85	<0.2	<0.2	2.5	2.5					
IM3	Cloudy	Moderate	15:39	8.0	Surface	1.0	0.1	47	29.0	29.0	8.1	8.1	23.4	23.4	81.5	81.5	5.5	5.5	9.5	13.2	6	7	81	83	818810	805574	<0.2	<0.2	2.5	2.5			
						1.0	0.1	47	29.0	29.0	8.1	8.1	23.4	23.4	81.4	81.4	5.5	5.5	9.5	13.2	6	7	80	80	<0.2	<0.2	2.7	2.7					
					Middle	4.0	0.1	288	29.0	29.0	8.1	8.1	25.4	25.4	79.3	79.3	5.3	5.3	14.3	13.2	7	7	84	84	<0.2	<0.2	2.4	2.4					
						4.0	0.1	306	29.0	29.0	8.1	8.1	25.4	25.4	79.3	79.3	5.3	5.3	14.4	13.2	8	7	84	84	<0.2	<0.2	2.5	2.5					
					Bottom	7.0	0.1	205	29.0	29.0	8.1	8.1	25.7	25.7	80.2	80.2	5.4	5.4	15.7	13.2	8	7	84	84	<0.2	<0.2	2.6	2.6					
						7.0	0.1	220	29.0	29.0	8.1	8.1	25.7	25.7	80.2	80.2	5.4	5.4	15.7	13.2	8	7	83	83	<0.2	<0.2	2.5	2.5					
IM4	Cloudy	Moderate	15:29	8.2	Surface	1.0	0.1	113	29.0	29.0	8.1	8.1	24.9	24.9	80.4	80.4	5.4	5.4	13.0	16.8	7	8	81	83	819750	804634	<0.2	<0.2	2.8	2.7			
						1.0	0.1	115	29.0	29.0	8.1	8.1	24.9	24.9	80.4	80.4	5.4	5.4	13.1	16.8	7	8	81	83	<0.2	<0.2	2.6	2.6					
					Middle	4.1	0.0	184	29.0	29.0	8.1	8.1	25.6	25.6	78.9	78.9	5.3	5.3	16.2	16.8	7	8	84	83	<0.2	<0.2	2.7	2.7					
						4.1	0.0	197	29.0	29.0	8.1	8.1	25.6	25.6	78.9	78.9	5.3	5.3	16.0	16.8	7	8	83	83	<0.2	<0.2	2.6	2.6					
					Bottom	7.2	0.1	195	29.0	29.0	8.1	8.1	25.8	25.8	79.5	79.5	5.3	5.3	21.2	16.8	8	8	84	84	<0.2	<0.2	2.6	2.6					
						7.2	0.1	202	29.0	29.0	8.1	8.1	25.8	25.8	79.5	79.5	5.3	5.3	21.2	16.8	9	8	84	84	<0.2	<0.2	2.7	2.7					
IM5	Cloudy	Moderate	15:20	7.5	Surface	1.0	0.1	84	29.2	29.2	8.1	8.1	22.8	22.8	85.4	85.4	5.8	5.8	10.2	17.0	5	5	79	82	820746	804887	<0.2	<0.2	2.3	1.9			
						1.0	0.1	87	29.2	29.2	8.1	8.1	22.8	22.8	85.3	85.3	5.8	5.8	10.4	17.0	4	5	80	80	<0.2	<0.2	1.8	1.8					
					Middle	3.8	0.1	125	29.0	29.0	8.1	8.1	24.9	24.9	79.6	79.6	5.3	5.3	15.8	17.0	6	5	81	81	<0.2	<0.2	2.2	2.2					
						3.8	0.1	129	29.0	29.0	8.1	8.1	24.9	24.9	79.6	79.6	5.3	5.3	15.8	17.0	5	5	82	82	<0.2	<0.2	1.8	1.8					
					Bottom	6.5	0.0	195	28.9	28.9	8.1	8.1	25.5	25.5	80.1	80.1	5.4	5.4	24.9	17.0	6	5	83	83	<0.2	<0.2	1.7	1.7					
						6.5	0.0	212	29.0	28.9	8.1	8.1	25.5	25.5	80.2	80.2	5.4	5.4	24.9	17.0	5	5	84	84	<0.2	<0.2	1.7	1.7					
IM6	Cloudy	Moderate	15:11	7.6	Surface	1.0	0.1	52	29.3	29.3	8.1	8.1	23.5	23.5	86.2	86.2	5.8																

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	16:08	7.7	Surface	1.0	0.4	114	29.1	8.1	8.1	24.8	24.8	80.4	80.4	5.4	9.8	6	81	8	8	83	822107	808806	<0.2	<0.2	2.1	2.0								
						1.0	0.4	116	29.1	8.1	8.1	24.8	24.8	80.4	80.4	5.4	9.7	6	80	6	80	8	83	822107	808806	<0.2	<0.2	1.9	2.0							
					Middle	3.9	0.3	103	29.0	29.0	8.1	8.1	25.6	25.6	78.4	78.4	5.2	12.4	7	82	7	82	8	83	822107	808806	<0.2	<0.2	2.0	2.1						
						3.9	0.3	104	29.0	29.0	8.1	8.1	25.6	25.6	78.4	78.4	5.2	12.4	7	82	7	82	8	83	822107	808806	<0.2	<0.2	2.1	2.1						
					Bottom	6.7	0.4	78	28.9	28.9	8.1	8.1	25.9	25.9	78.1	78.1	5.2	21.8	9	85	9	85	8	83	822107	808806	<0.2	<0.2	2.1	2.1						
						6.7	0.5	78	28.9	28.9	8.1	8.1	25.9	25.9	78.2	78.2	5.2	21.8	10	85	10	85	8	83	822107	808806	<0.2	<0.2	2.1	2.1						
IM10	Cloudy	Moderate	16:16	7.4	Surface	1.0	0.5	116	29.0	29.0	8.1	8.1	23.2	23.2	81.0	81.0	5.5	10.1	6	80	6	80	82	822408	809777	<0.2	<0.2	2.2	2.2							
						1.0	0.5	116	29.0	29.0	8.1	8.1	23.2	23.2	80.9	81.0	5.5	10.1	6	80	6	80	6	80	82	822408	809777	<0.2	<0.2	2.3	2.0					
					Middle	3.7	0.4	105	29.0	29.0	8.1	8.1	25.5	25.5	78.7	78.7	5.3	15.2	5	82	5	82	6	83	82	822408	809777	<0.2	<0.2	2.0	2.2					
						3.7	0.4	113	29.0	29.0	8.1	8.1	25.5	25.5	78.7	78.7	5.3	15.2	5	83	5	83	6	83	82	822408	809777	<0.2	<0.2	2.3	2.1					
					Bottom	6.4	0.2	90	29.0	29.0	8.1	8.1	25.7	25.7	78.8	78.8	5.3	16.4	8	84	8	84	8	85	83	822408	809777	<0.2	<0.2	2.1	2.3					
						6.4	0.3	90	29.0	29.0	8.1	8.1	25.7	25.7	78.9	78.9	5.3	16.4	7	85	7	85	8	85	83	822408	809777	<0.2	<0.2	2.3	2.3					
IM11	Cloudy	Moderate	16:27	7.8	Surface	1.0	0.4	126	29.2	29.2	8.1	8.1	22.8	22.8	82.7	82.7	5.6	9.1	7	80	7	80	83	822055	811430	<0.2	<0.2	2.1	2.3							
						1.0	0.4	130	29.2	29.2	8.1	8.1	22.8	22.8	82.7	82.7	5.6	9.2	8	80	8	80	8	83	822055	811430	<0.2	<0.2	2.3	2.4						
					Middle	3.9	0.5	119	29.1	29.1	8.1	8.1	24.6	24.6	80.2	80.2	5.4	11.9	8	83	8	83	8	85	83	822055	811430	<0.2	<0.2	2.4	2.4					
						3.9	0.5	126	29.1	29.1	8.1	8.1	24.6	24.6	80.1	80.2	5.4	11.9	8	83	8	83	8	85	83	822055	811430	<0.2	<0.2	2.1	2.1					
					Bottom	6.8	0.4	110	29.0	29.0	8.1	8.1	25.3	25.3	79.6	79.6	5.3	16.4	8	85	8	85	8	85	83	822055	811430	<0.2	<0.2	2.1	2.4					
						6.8	0.4	110	29.0	29.0	8.1	8.1	25.3	25.3	79.6	79.6	5.3	16.4	8	85	8	85	8	85	83	822055	811430	<0.2	<0.2	2.4	2.4					
IM12	Cloudy	Moderate	16:34	8.7	Surface	1.0	0.5	101	29.3	29.3	8.1	8.1	22.8	22.8	84.2	84.2	5.7	9.8	5	80	5	80	83	821486	812057	<0.2	<0.2	2.1	2.2							
						1.0	0.5	102	29.3	29.3	8.1	8.1	22.8	22.8	84.1	84.2	5.7	9.9	5	80	5	80	6	83	821486	812057	<0.2	<0.2	2.0	2.3						
					Middle	4.4	0.4	95	29.2	29.2	8.1	8.1	23.6	23.6	81.1	81.1	5.5	16.1	6	83	6	83	6	85	83	821486	812057	<0.2	<0.2	2.3	2.2					
						4.4	0.4	103	29.2	29.2	8.1	8.1	23.6	23.6	81.1	81.1	5.5	16.4	6	82	6	82	6	85	83	821486	812057	<0.2	<0.2	2.1	2.1					
					Bottom	7.7	0.3	102	29.1	29.1	8.1	8.1	24.3	24.3	80.2	80.2	5.4	20.7	8	85	8	85	8	85	83	821486	812057	<0.2	<0.2	2.0	2.2					
						7.7	0.3	108	29.1	29.1	8.1	8.1	24.3	24.3	80.2	80.2	5.4	20.6	8	85	8	85	8	85	83	821486	812057	<0.2	<0.2	2.2	2.2					
SR2	Cloudy	Moderate	17:04	4.8	Surface	1.0	0.6	106	29.3	29.3	8.1	8.1	22.8	22.8	83.3	83.3	5.6	10.7	5	80	5	80	81	821478	814156	<0.2	<0.2	2.0	2.2							
						1.0	0.6	108	29.3	29.3	8.1	8.1	22.9	22.8	83.3	83.3	5.6	10.8	6	80	6	80	6	80	81	821478	814156	<0.2	<0.2	2.2	2.1					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	821478	814156	<0.2	<0.2	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	821478	814156	<0.2	<0.2	-	-			
					Bottom	3.8	0.4	100	29.2	29.2	8.1	8.1	23.6	23.6	82.8	82.8	5.6	12.3	5	83	5	83	6	85	81	821478	814156	<0.2	<0.2	1.9	2.1					
						3.8	0.4	105	29.2	29.2	8.1	8.1	23.6	23.6	82.8	82.8	5.6	12.3	6	82	6	82	6	85	81	821478	814156	<0.2	<0.2	2.1	2.1					
SR3	Cloudy	Moderate	15:54	9.7	Surface	1.0	0.3	105	29.3	29.3	8.1	8.1	23.5	23.5	85.7	85.7	5.8	8.2	6	-	6	-	82	822132	807592	-	-	-	-							
						1.0	0.3	112	29.3	29.3	8.1	8.1	23.5	23.5	85.6	85.7	5.8	8.4	6	-	6	-	8	-	82	822132	807592	-	-	-	-					
					Middle	4.9	0.3	66	29.0	29.0	8.1	8.1	24.5	24.5	81.6	81.6	5.5	10.4	8	-	8	-	8	-	83	822132	807592	-	-	-	-					
						4.9	0.4	66	29.0	29.0	8.1	8.1	24.5	24.5	81.6	81.6	5.5	10.5	8	-	8	-	8	-	8	822132	807592	-	-	-	-					
					Bottom	8.7	0.3	87	29.0	29.0	8.1	8.1	25.0	25.0	80.9	80.9	5.4	16.0	9	-	9	-	9	-	9	822132	807592	-	-	-	-					
						8.7	0.3	93	29.0	29.0	8.1	8.1	25.0	25.0	80.9	80.9	5.4	16.1	9	-	9	-	9	-	9	822132	807592	-	-	-	-					
SR4A	Cloudy	Calm	16:39	8.4	Surface	1.0	0.3	98	29.3	29.3	8.1	8.1	22.7	22.7	84.3	84.3	5.7	10.0	6	-	6	-	83	817182	807810	-	-	-	-							
						1.0	0.3	107	29.3	29.3	8.1	8.1	22.7	22.7	84.3	84.3	5.7	10.1	5	-	5	-	5	-	83	817182	807810	-	-	-	-					
					Middle	4.2	0.3	88	29.2	29.2	8.1	8.1	23.9	23.9	80.7	80.7	5.4	14.8	6	-	6	-	6	-	8	817182	807810	-	-	-	-					
						4.2	0.3	90	29.2	29.2	8.1	8.1	23.9	23.9	80.7	80.7	5.4	14.8	6	-	6	-	6	-	6	817182	807810	-	-	-	-					
					Bottom	7.4	0.2	86	29.1	29.1	8.1	8.1	24.1	24.1	81.6	81.6	5.5	20.6	9	-	9	-	9	-	9	817182	807810	-	-	-	-					
						7.4	0.2	87	29.1	29.1	8.1	8.1	24.1	24.1	81.7	81.7	5.5	20.7	10	-	10	-	10	-	10	817182	807810	-	-	-	-					
SR5A	Cloudy	Calm	16:57	4.8	Surface	1.0	0.0	15	29.1	29.1	8.0	8.0	23.3	23.3	77.9	77.9	5.3	14.3	15	-	15	-	81	816619	810712	-	-	-	-							
						1.0	0.0	15	29.1	29.1	8.0	8.0	23.3	23.3	77.9	77.9	5.3	14.3	14	-	14	-	14	-	81	816619	810712	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	816619	810712	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	81	816619	810712	-	-	-	-			
					Bottom	3.8	0.0	49	29.1	29.1	8.0	8.0	23.3	23.3	79.4	79.4	5.4	14.9	16	-	16	-	16	-</												

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	10:03	9.0	Surface	1.0	0.6	19	29.0	29.0	8.1	8.1	23.8	23.8	82.5	82.5	5.6	5.5	9.1	13.4	7	12	80	83	815625	804257	<0.2	<0.2	1.6	1.6						
						1.0	0.6	20	29.0	29.0	8.1	8.1	23.8	23.8	82.5	82.5	5.6	5.5	9.2	13.4	7	12	81	83	815625	804257	<0.2	<0.2	1.5	1.6						
						4.5	0.7	25	28.9	28.9	8.1	8.1	25.9	25.9	78.8	78.8	5.3	5.3	12.4	13.4	11	12	83	83	815625	804257	<0.2	<0.2	1.7	1.7						
					4.5	0.7	26	28.9	28.9	8.1	8.1	25.9	25.9	78.8	78.8	5.3	5.3	12.3	13.4	12	12	83	83	815625	804257	<0.2	<0.2	1.5	1.5							
					8.0	0.5	27	28.9	28.9	8.1	8.1	26.2	26.2	79.3	79.3	5.3	5.3	18.7	13.4	17	16	84	84	815625	804257	<0.2	<0.2	1.7	1.7							
					8.0	0.5	29	28.9	28.9	8.1	8.1	26.2	26.2	79.4	79.4	5.3	5.3	18.9	13.4	16	16	84	84	815625	804257	<0.2	<0.2	1.5	1.5							
C2	Cloudy	Moderate	10:57	12.7	Surface	1.0	0.2	358	29.1	29.1	8.0	8.0	21.3	21.3	79.7	79.7	5.4	5.5	13.7	17.2	9	14	80	83	825683	806921	<0.2	<0.2	1.8	1.9						
						1.0	0.2	329	29.1	29.0	8.1	8.1	23.6	23.6	81.2	81.2	5.5	5.5	17.9	17.2	16	14	83	83	825683	806921	<0.2	<0.2	1.8	1.8						
						6.4	0.6	324	29.0	29.0	8.1	8.1	23.6	23.6	81.2	81.2	5.5	5.5	18.0	17.2	15	14	83	83	825683	806921	<0.2	<0.2	1.8	1.8						
					6.4	0.6	345	29.0	29.0	8.1	8.1	23.6	23.6	81.2	81.2	5.5	5.5	18.0	17.2	15	14	83	83	825683	806921	<0.2	<0.2	1.8	1.8							
					11.7	0.5	320	29.1	29.1	8.1	8.1	23.8	23.8	81.1	81.1	5.5	5.5	19.9	17.2	16	14	85	85	825683	806921	<0.2	<0.2	1.8	1.8							
					11.7	0.5	344	29.1	29.1	8.1	8.1	23.9	23.8	81.1	81.1	5.5	5.5	20.1	17.2	17	14	85	85	825683	806921	<0.2	<0.2	1.9	1.9							
C3	Cloudy	Moderate	09:08	12.4	Surface	1.0	0.5	250	28.9	28.9	8.0	8.0	23.3	23.3	79.3	79.3	5.4	5.4	11.2	15.4	11	13	80	82	822114	817805	<0.2	<0.2	1.6	1.6						
						1.0	0.5	268	28.9	28.9	8.0	8.0	23.3	23.3	79.3	79.3	5.4	5.4	11.4	15.4	12	13	80	82	822114	817805	<0.2	<0.2	1.6	1.6						
						6.2	0.5	266	28.8	28.8	8.0	8.0	23.3	23.3	79.0	79.0	5.4	5.4	15.2	15.4	12	13	82	82	822114	817805	<0.2	<0.2	1.5	1.5						
					6.2	0.6	275	28.8	28.8	8.0	8.0	23.3	23.3	79.0	79.0	5.4	5.4	15.3	15.4	11	13	83	83	822114	817805	<0.2	<0.2	1.6	1.6							
					11.4	0.5	269	28.8	28.8	8.0	8.0	23.4	23.4	79.0	79.0	5.4	5.4	19.4	15.4	15	13	84	84	822114	817805	<0.2	<0.2	1.6	1.6							
					11.4	0.6	278	28.8	28.8	8.0	8.0	23.4	23.4	79.0	79.0	5.4	5.4	19.7	15.4	15	13	84	84	822114	817805	<0.2	<0.2	1.6	1.6							
IM1	Cloudy	Moderate	10:22	5.7	Surface	1.0	0.4	346	29.0	29.0	8.0	8.0	23.9	23.9	79.7	79.7	5.4	5.4	15.4	17.9	19	21	80	82	817923	807153	<0.2	<0.2	1.6	1.5						
						1.0	0.4	318	29.0	29.0	8.0	8.0	23.9	23.9	79.7	79.7	5.4	5.4	15.6	17.9	19	21	80	82	817923	807153	<0.2	<0.2	1.5	1.5						
						2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					4.7	0.3	3	29.0	29.0	8.0	8.0	23.9	23.9	82.4	82.4	5.6	5.6	20.3	17.9	22	21	83	83	817923	807153	<0.2	<0.2	1.5	1.5							
					4.7	0.4	3	29.0	29.0	8.0	8.0	23.9	23.9	82.6	82.6	5.6	5.6	20.4	17.9	23	21	83	83	817923	807153	<0.2	<0.2	1.5	1.5							
IM2	Cloudy	Moderate	10:30	8.1	Surface	1.0	0.6	24	29.1	29.1	8.1	8.1	23.8	23.8	81.9	81.9	5.5	5.4	10.5	15.1	3	4	81	82	818169	806182	<0.2	<0.2	1.5	1.6						
						1.0	0.6	24	29.1	29.0	8.1	8.1	23.8	23.8	81.8	81.8	5.5	5.4	10.6	15.1	3	4	80	83	818169	806182	<0.2	<0.2	1.5	1.6						
						4.1	0.5	18	29.0	29.0	8.1	8.1	25.0	25.0	78.6	78.6	5.3	5.3	14.6	15.1	3	4	83	83	818169	806182	<0.2	<0.2	1.6	1.6						
					4.1	0.5	18	29.0	29.0	8.1	8.1	25.0	25.0	78.6	78.6	5.3	5.3	14.8	15.1	3	4	83	83	818169	806182	<0.2	<0.2	1.6	1.6							
					7.1	0.4	13	29.0	29.0	8.1	8.1	25.2	25.2	78.6	78.6	5.3	5.3	19.9	15.1	4	4	84	84	818169	806182	<0.2	<0.2	1.6	1.6							
					7.1	0.5	13	29.0	29.0	8.1	8.1	25.2	25.2	78.6	78.6	5.3	5.3	20.1	15.1	5	4	83	83	818169	806182	<0.2	<0.2	1.5	1.5							
IM3	Cloudy	Moderate	10:43	8.2	Surface	1.0	0.6	26	29.0	29.0	8.1	8.1	23.2	23.2	83.8	83.8	5.7	5.6	9.8	13.0	3	4	80	82	818762	805586	<0.2	<0.2	1.6	1.7						
						1.0	0.6	27	29.0	29.0	8.1	8.1	23.2	23.2	83.7	83.7	5.7	5.6	9.9	13.0	3	4	81	83	818762	805586	<0.2	<0.2	1.6	1.7						
						4.1	0.4	25	29.0	29.0	8.1	8.1	24.6	24.6	80.9	80.9	5.4	5.4	11.3	13.0	4	4	82	83	818762	805586	<0.2	<0.2	1.7	1.7						
					4.1	0.4	26	29.0	29.0	8.1	8.1	24.6	24.6	80.9	80.9	5.4	5.4	11.4	13.0	4	4	83	83	818762	805586	<0.2	<0.2	1.7	1.7							
					7.2	0.3	0	28.9	28.9	8.1	8.1	25.1	25.1	79.9	79.9	5.4	5.4	17.4	13.0	4	4	84	84	818762	805586	<0.2	<0.2	1.7	1.7							
					7.2	0.3	0	28.9	28.9	8.1	8.1	25.1	25.1	79.9	79.9	5.4	5.4	17.9	13.0	4	4	83	83	818762	805586	<0.2	<0.2	1.6	1.6							
IM4	Cloudy	Moderate	10:53	8.2	Surface	1.0	0.6	14	29.0	29.0	8.1	8.1	22.8	22.8	85.1	85.1	5.8	5.6	8.7	15.5	2	3	80	81	819706	804602	<0.2	<0.2	1.7	1.9						
						1.0	0.7	14	29.0	28.9	8.1	8.1	22.8	24.7	85.0	80.9	5.8	5.4	8.8	15.5	3	3	79	82	819706	804602	<0.2	<0.2	2.0	2.0						
						4.1	0.6	10	28.9	28.9	8.1	8.1	24.7	24.7	80.9	80.9	5.4	5.4	16.9	15.5	2	3	81	83	819706	804602	<0.2	<0.2	1.9	1.8						
					4.1	0.6	10	28.9	28.9	8.1	8.1	24.7	24.7	80.9	80.9	5.4	5.4	16.8	15.5	3	3	82	83	819706	804602	<0.2	<0.2	2.0	2.0							
					7.2	0.4	9	28.9	28.9	8.1	8.1	25.2	25.2	80.6	80.6	5.4	5.4	20.9	15.5	4	3	83	83	819706	804602	<0.2	<0.2	1.8	1.8							
					7.2	0.5	9	28.9	28.9	8.1	8.1	25.2	25.2	80.7	80.7	5.4	5.4	20.8	15.5	4	3	83	83	819706	804602	<0.2	<0.2	1.9	1.9							
IM5	Cloudy	Moderate	11:01	7.6	Surface	1.0	0.7	1	29.1	29.1	8.1	8.1	22.9	22.9	85.3	85.3	5.8	5.7	9.7	15.0	3	4	81	82	820739	804873	<0.2	<0.2	1.7	1.8						
						1.0	0.7	1	29.1	28.9	8.1	8.1	22.9	23.9	85.2	81.4	5.8	5.5	9.8	15.0	4	4	80	83	820739	804873	<0.2	<0.2	1.8	1.8						
						3.8	0.6	356	28.9	28.9	8.1	8.1	23.9	23.9	81.4	81.4	5.5	5.5	14.9	15.0	4	4	83	83	820739	804873	<0.2	<0.2	1.8	1.8						
					3.8	0.6	328	28.9	28.9	8.1	8.1	23.9	23.9	81.4	81.4	5.5	5.5																			

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	17:44	8.0	Surface	1.0	0.6	192	29.3	7.9	7.9	14.2	14.2	84.4	84.4	6.0	5.3	4	72	74	815643	804252	<0.2	2.2	2.4											
						1.0	0.6	209	29.3	7.9	7.9	14.2	14.2	84.4	84.4	6.0	5.3	4	71	74	<0.2	2.3														
					Middle	4.0	0.3	226	29.0	7.9	7.9	19.3	19.3	85.4	85.4	5.9	5.4	4	74	74	<0.2	2.5														
						4.0	0.3	231	29.0	7.9	7.9	19.3	19.3	85.4	85.4	5.9	5.4	4	74	74	<0.2	2.5														
					Bottom	7.0	0.4	281	29.2	7.8	7.8	24.6	24.6	80.1	80.1	5.4	11.6	4	76	76	<0.2	2.5														
						7.0	0.4	298	29.2	7.8	7.8	24.6	24.6	80.1	80.1	5.4	11.6	4	75	75	<0.2	2.4														
C2	Fine	Moderate	16:55	10.8	Surface	1.0	0.7	182	28.6	8.0	8.0	22.2	22.2	76.5	76.5	5.2	6.9	4	71	73	825653	806922	<0.2	3.5	3.4											
						1.0	0.7	189	28.6	8.0	8.0	22.2	22.2	76.5	76.5	5.2	6.9	4	71	73	<0.2	3.7														
					Middle	5.4	0.2	193	28.6	8.0	8.0	23.4	23.4	73.2	73.2	5.0	7.8	5	74	74	<0.2	3.4														
						5.4	0.2	204	28.6	8.0	8.0	23.4	23.4	73.2	73.2	5.0	7.7	4	73	73	<0.2	3.3														
					Bottom	9.8	0.1	305	28.6	8.0	8.0	23.5	23.5	73.1	73.1	5.0	8.0	6	75	75	<0.2	3.2														
						9.8	0.1	317	28.6	8.0	8.0	23.5	23.5	73.1	73.1	5.0	8.0	6	75	75	<0.2	3.4														
C3	Fine	Moderate	19:10	11.6	Surface	1.0	0.4	88	28.9	7.9	7.9	17.3	17.3	74.3	74.3	5.2	8.3	5	71	73	822136	817791	<0.2	1.9	1.9											
						1.0	0.4	91	28.9	7.9	7.9	17.3	17.3	74.3	74.3	5.2	8.3	5	71	73	<0.2	1.8														
					Middle	5.8	0.2	88	28.9	7.9	7.9	20.7	20.7	71.9	71.9	4.9	9.1	6	73	73	<0.2	1.8														
						5.8	0.2	89	28.9	7.9	7.9	20.7	20.7	71.9	71.9	4.9	9.1	5	73	73	<0.2	2.0														
					Bottom	10.6	0.1	80	28.9	7.9	7.9	21.9	21.9	70.7	70.7	4.8	10.4	6	75	75	<0.2	1.8														
						10.6	0.1	87	28.9	7.9	7.9	21.9	21.9	70.7	70.7	4.8	10.3	6	75	75	<0.2	2.0														
IM1	Fine	Moderate	18:04	4.5	Surface	1.0	0.1	5	29.1	7.9	7.9	20.5	20.5	81.6	81.6	5.6	4.8	6	71	73	817944	807111	<0.2	2.4	2.3											
						1.0	0.2	5	29.1	7.9	7.9	20.5	20.5	81.6	81.6	5.6	4.8	5	70	73	<0.2	2.4														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	<0.2	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	<0.2	-							
					Bottom	3.5	0.0	6	29.1	7.9	7.9	23.3	23.3	79.9	79.9	5.4	6.7	6	73	73	<0.2	2.0														
						3.5	0.0	6	29.1	7.9	7.9	23.3	23.3	79.9	79.9	5.4	6.7	7	73	73	<0.2	2.4														
IM2	Fine	Moderate	18:11	6.7	Surface	1.0	0.4	200	29.2	8.0	8.0	20.0	20.0	80.8	80.8	5.6	5.9	3	72	73	818164	806136	<0.2	2.5	2.5											
						1.0	0.4	214	29.2	8.0	8.0	20.0	20.0	80.8	80.8	5.6	5.9	3	71	73	<0.2	2.5														
					Middle	3.4	0.2	220	29.1	8.0	8.0	24.5	24.5	78.2	78.2	5.2	8.5	4	73	73	<0.2	2.3														
						3.4	0.2	241	29.1	8.0	8.0	24.5	24.5	78.2	78.2	5.2	8.5	4	73	73	<0.2	2.6														
					Bottom	5.7	0.1	297	29.1	8.0	8.0	26.0	26.0	79.1	79.1	5.3	8.8	4	75	75	<0.2	2.7														
						5.7	0.1	315	29.1	8.0	8.0	26.0	26.0	79.1	79.1	5.3	8.8	5	75	75	<0.2	2.5														
IM3	Fine	Moderate	18:17	7.5	Surface	1.0	0.5	218	29.3	7.9	7.9	18.7	18.7	79.2	79.2	5.5	3.1	5	71	73	818794	805604	<0.2	2.5	2.5											
						1.0	0.6	220	29.3	7.9	7.9	18.7	18.7	79.2	79.2	5.5	3.1	6	71	73	<0.2	2.7														
					Middle	3.8	0.5	225	29.1	8.0	8.0	22.9	22.9	78.2	78.2	5.3	6.0	8	73	73	<0.2	2.4														
						3.8	0.5	232	29.1	8.0	8.0	22.9	22.9	78.2	78.2	5.3	6.0	7	74	74	<0.2	2.5														
					Bottom	6.5	0.3	229	29.1	7.9	7.9	27.6	27.6	84.1	84.1	5.6	14.0	9	74	74	<0.2	2.6														
						6.5	0.3	234	29.1	7.9	7.9	27.6	27.6	84.1	84.1	5.6	14.0	9	75	75	<0.2	2.5														
IM4	Fine	Moderate	18:26	7.4	Surface	1.0	0.6	214	29.5	7.9	7.9	14.0	14.0	77.5	77.5	5.5	6.0	4	72	73	819716	804608	<0.2	2.8	2.7											
						1.0	0.7	227	29.5	7.9	7.9	14.0	14.0	77.5	77.5	5.5	6.0	5	71	73	<0.2	2.6														
					Middle	3.7	0.3	239	29.2	7.9	7.9	22.7	22.7	78.2	78.2	5.3	10.3	4	73	73	<0.2	2.7														
						3.7	0.4	260	29.2	7.9	7.9	22.7	22.7	78.2	78.2	5.3	10.3	5	73	73	<0.2	2.6														
					Bottom	6.4	0.2	279	29.2	7.7	7.7	23.2	23.2	85.5	85.5	5.8	10.8	5	75	75	<0.2	2.6														
						6.4	0.2	285	29.2	7.7	7.7	23.2	23.2	85.5	85.5	5.8	10.8	5	74	74	<0.2	2.7														
IM5	Fine	Moderate	18:38	6.6	Surface	1.0	0.5	229	29.6	7.9	7.9	15.1	15.1	77.3	77.3	5.4	5.8	4	71	73	820714	804864	<0.2	2.4	2.5											
						1.0	0.5	231	29.6	7.9	7.9	15.1	15.1	77.3	77.3	5.4	5.8	4	70	73	<0.2	2.6														
					Middle	3.3	0.5	255	29.3	7.9	7.9	19.2	19.2	73.1	73.1	5.0	6.5	5	72	73	<0.2	2.5														
						3.3	0.5	259	29.3	7.9	7.9	19.2	19.2	73.1	73.1	5.0	6.5	5	72	73	<0.2	2.6														
					Bottom	5.6	0.3	249	29.3	7.8	7.8	21.4	21.4	76.9	76.9	5.2	6.3	5	75	75	<0.2	2.6														
						5.6	0.3	251	29.3	7.8	7.8	21.4	21.4	76.9	76.9	5.2	6.3	4	75	75	<0.2	2.4														
IM6	Fine	Moderate	18:45	6.7	Surface	1.0	0.3	245	29.5	8.0	8.0	15.8	15.8	77.2	77.2	5.4	4.5	5	71	73	821073	805814	<0.2	2.6	2.6											
						1.0	0.3	246	29.5	8.0	8.0	15.8	15.8	77.2	77.2	5.4	4.5	5	71	73	<0.2	2.6														
					Middle	3.4	0.5	257	29.3	7.9	7.9	18.9	18.9	73.0	73.0	5.0	5.2	5	73	73	<0.2	2.6														
						3.4	0.5	275	29.3	7.9	7.9	18.9	18.9	73.0	73.0	5.0	5.2	5	73	73	<0.2	2.5														
					Bottom	5.7	0.4	255	29.3	7.9	7.9	21.7	21.7	72.7	72.7	4.9	9.2	6	74	74	<0.2	2.6														
						5.7	0.4	271	29.3	7.9	7.9	21.7	21.7	72.7	72.7	4.9	9.2	6	75	75	<0.2	2.4														
IM7	Fine	Moderate	18:53	7.6	Surface	1.0	0.5	238	29.3	7.9	7.9	18.0	18.0	74.3	74.3	5.2	0.5	5	71	73	821336	806839	<0.2	2.3	2.4											
						1.0	0.6	250	29.3	7.9	7.9	18.0	18.0	74.3	74.3	5.2	0.5	6	72	73	<0.2	2.6														
					Middle	3.8	0.5	253	29.3	7.8	7.8	18.8	18.8	75.4	75.4	5.2	1.5	6	73	73	<0.2	2.4														
						3.8	0.5	275	29.3	7.8	7.8	18.8	18.8	75.4	75.4	5.2	1.5	6	73	73	<0.2	2.4														
					Bottom	6.6	0.4	246	29.3	7.8	7.8	19.9	19.9	77.5	77.5	5.3	2.6	7	75	75	<0.2	2.6														
						6.6	0.4	254	29.3	7.8	7.8	20.0	20.0	77.5	77.5	5.3	2.4	7	75	75	<0.2	2.3														
IM8	Fine	Moderate	18:00	7.5	Surface	1.0	0.5	197	28.9	7.9	7.9	20.4	20.4	78.2	78.2	5.4	7.9	5	71	73	821830	808155	<0.2	2.6	2.6											
						1.0	0.5	204	28.9	7.9	7.9	20.4	20.4	78.2	78.2	5.4	7.9	6	71	73	<0.2	2.6														
					Middle	3.8	0.3	229	28.8	7.9	7.9	19.6	19.6	77.8	77.8	5.4	9.7																			

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
IM9	Fine	Moderate	18:08	6.9	Surface	1.0	0.4	188	28.8	28.8	8.0	8.0	20.9	20.9	77.5	77.5	5.3	5.3	10.2	11.1	4	5	71	73	822109	808798	<0.2	<0.2	2.7	2.6			
						1.0	0.4	201	28.8	28.8	8.0	8.0	20.9	20.9	77.5	77.5	5.3	5.3	10.3	11.1	4	5	72	73	73	73	<0.2	<0.2	2.5	2.5			
					Middle	3.5	0.1	196	28.8	28.8	8.1	8.1	21.9	21.9	77.9	77.9	5.3	5.3	15.2	15.2	5	6	73	73	73	73	<0.2	<0.2	2.6	2.6			
						3.5	0.1	202	28.8	28.8	8.1	8.1	21.9	21.9	77.9	77.9	5.3	5.3	15.2	15.2	6	6	73	73	73	73	<0.2	<0.2	2.7	2.7			
					Bottom	5.9	0.1	191	28.9	28.9	7.9	7.9	19.9	19.9	77.8	77.8	5.4	5.4	7.9	7.9	6	6	75	75	75	75	<0.2	<0.2	2.4	2.4			
						5.9	0.1	196	28.9	28.9	7.9	7.9	19.9	19.9	77.9	77.9	5.4	5.4	7.9	7.9	6	6	75	75	75	75	<0.2	<0.2	2.6	2.6			
IM10	Fine	Moderate	18:19	6.7	Surface	1.0	0.5	141	28.8	28.8	8.0	8.0	20.5	20.5	78.1	78.2	5.4	5.4	10.6	9.8	4	5	71	71	822355	809788	<0.2	<0.2	2.4	2.4			
						1.0	0.5	144	28.8	28.8	8.0	8.0	20.5	20.5	78.2	78.2	5.4	5.4	9.8	10.8	4	4	71	74	73	73	<0.2	<0.2	2.4	2.4			
					Middle	3.4	0.3	117	28.8	28.8	8.1	8.1	21.3	21.3	80.1	80.1	5.5	5.5	10.8	10.8	4	4	74	73	73	73	<0.2	<0.2	2.3	2.3			
						3.4	0.3	124	28.8	28.8	8.1	8.1	21.3	21.3	80.1	80.1	5.5	5.5	10.8	10.8	4	4	73	73	73	73	<0.2	<0.2	2.2	2.2			
					Bottom	5.7	0.2	95	28.9	28.9	7.9	7.9	18.8	18.8	78.2	78.2	5.4	5.4	8.5	8.5	4	4	75	75	75	75	<0.2	<0.2	2.4	2.4			
						5.7	0.2	98	28.9	28.9	7.9	7.9	18.8	18.8	78.2	78.2	5.4	5.4	8.5	8.5	5	5	75	75	75	75	<0.2	<0.2	2.3	2.3			
IM11	Fine	Moderate	18:30	7.9	Surface	1.0	0.4	106	28.9	28.9	7.9	7.9	20.8	20.8	71.5	71.5	4.9	4.9	14.8	15.0	4	4	72	71	822051	811487	<0.2	<0.2	2.3	2.3			
						1.0	0.4	110	28.9	28.9	7.9	7.9	20.8	20.8	71.5	71.5	4.9	4.9	15.0	15.0	4	4	71	74	74	74	<0.2	<0.2	2.3	2.3			
					Middle	4.0	0.4	79	28.9	28.9	7.9	7.9	21.3	21.3	71.3	71.4	4.9	4.9	21.3	21.3	4	4	74	74	74	74	<0.2	<0.2	2.2	2.2			
						4.0	0.4	80	28.9	28.9	7.9	7.9	21.3	21.3	71.4	71.4	4.9	4.9	21.5	21.5	4	4	73	73	73	73	<0.2	<0.2	2.2	2.2			
					Bottom	6.9	0.1	93	28.9	28.9	7.9	7.9	18.2	18.2	78.4	78.4	5.5	5.5	8.1	8.1	5	5	76	76	76	76	<0.2	<0.2	2.2	2.2			
						6.9	0.1	99	28.9	28.9	7.9	7.9	18.2	18.2	78.3	78.3	5.5	5.5	8.1	8.1	5	5	75	75	75	75	<0.2	<0.2	2.2	2.2			
IM12	Fine	Moderate	18:46	8.3	Surface	1.0	0.4	102	28.9	28.9	7.9	7.9	19.8	19.8	73.1	73.1	5.1	5.1	11.9	12.0	4	4	71	71	821476	812039	<0.2	<0.2	2.5	2.5			
						1.0	0.4	108	28.9	28.9	7.9	7.9	19.8	19.8	73.1	73.1	5.1	5.1	12.0	12.0	4	4	71	71	71	71	<0.2	<0.2	2.4	2.4			
					Middle	4.2	0.2	95	28.9	28.9	7.9	7.9	20.6	20.6	73.0	73.0	5.0	5.0	17.9	17.9	4	4	73	73	73	73	<0.2	<0.2	2.7	2.7			
						4.2	0.2	97	28.9	28.9	7.9	7.9	20.6	20.6	73.0	73.0	5.0	5.0	17.8	17.8	4	4	73	73	73	73	<0.2	<0.2	2.5	2.5			
					Bottom	7.3	0.0	107	28.9	28.9	7.9	7.9	16.1	16.4	73.7	73.7	5.2	5.2	9.2	9.2	5	5	75	75	75	75	<0.2	<0.2	2.6	2.6			
						7.3	0.0	111	28.9	28.9	7.9	7.9	16.7	16.4	73.6	73.6	5.2	5.2	9.3	9.3	5	5	75	75	75	75	<0.2	<0.2	2.8	2.8			
SR2	Fine	Moderate	19:02	3.9	Surface	1.0	0.4	85	29.1	29.1	7.9	7.9	15.5	15.5	75.7	75.7	5.3	5.3	8.2	8.2	5	4	71	72	821474	814141	<0.2	<0.2	2.2	2.3			
						1.0	0.5	85	29.1	29.1	7.9	7.9	15.5	15.5	75.7	75.7	5.3	5.3	8.2	8.2	4	4	72	72	72	72	<0.2	<0.2	2.3	2.3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.9	0.1	74	28.9	28.9	7.9	7.9	19.4	19.4	73.6	73.6	5.1	5.1	9.2	9.1	5	5	73	73	73	73	<0.2	<0.2	2.7	2.5			
						2.9	0.1	75	28.9	28.9	7.9	7.9	19.4	19.4	73.6	73.6	5.1	5.1	9.1	9.1	5	5	73	73	73	73	<0.2	<0.2	2.7	2.5			
SR3	Fine	Moderate	17:33	8.5	Surface	1.0	0.5	191	28.7	28.7	8.0	8.0	22.1	22.1	73.5	73.5	5.0	5.0	8.5	8.5	4	3	-	-	822151	807588	-	-	-	-			
						1.0	0.5	195	28.7	28.7	8.0	8.0	22.1	22.1	73.5	73.5	5.0	5.0	8.5	8.5	3	3	-	-	-	-	-	-	-	-	-	-	
					Middle	4.3	0.4	205	28.6	28.6	8.0	8.0	23.0	23.0	72.1	72.1	4.9	4.9	8.6	8.6	4	4	-	-	-	-	-	-	-	-	-	-	-
						4.3	0.4	215	28.6	28.6	8.0	8.0	23.0	23.0	72.1	72.1	4.9	4.9	8.6	8.6	4	4	-	-	-	-	-	-	-	-	-	-	-
					Bottom	7.5	0.2	231	28.6	28.6	8.0	8.0	23.2	23.2	72.1	72.2	4.9	4.9	8.5	8.5	6	6	-	-	-	-	-	-	-	-	-	-	-
						7.5	0.3	253	28.6	28.6	8.0	8.0	23.2	23.2	72.2	72.2	4.9	4.9	8.5	8.5	7	7	-	-	-	-	-	-	-	-	-	-	-
SR4A	Fine	Moderate	17:25	9.5	Surface	1.0	0.2	260	29.1	29.1	7.9	7.9	22.4	22.4	77.3	77.3	5.2	5.2	3.8	3.8	5	4	-	-	817171	807825	-	-	-	-			
						1.0	0.2	273	29.1	29.1	7.9	7.9	22.4	22.4	77.3	77.3	5.2	5.2	3.8	3.8	4	4	-	-	-	-	-	-	-	-			
					Middle	4.8	0.1	265	29.1	29.1	7.9	7.9	26.0	26.0	76.9	76.9	5.1	5.1	6.9	6.9	6	6	-	-	-	-	-	-	-	-	-		
						4.8	0.1	282	29.1	29.1	7.9	7.9	26.0	26.0	76.9	76.9	5.1	5.1	6.9	6.9	6	6	-	-	-	-	-	-	-	-	-		
					Bottom	8.5	0.1	260	29.1	29.1	7.9	7.9	27.2	27.2	79.0	79.0	5.2	5.2	12.6	12.6	7	7	-	-	-	-	-	-	-	-	-		
						8.5	0.1	261	29.1	29.1	7.9	7.9	27.2	27.2	79.0	79.0	5.2	5.2	12.6	12.6	6	6	-	-	-	-	-	-	-	-	-		
SR5A	Fine	Moderate	17:09	4.5	Surface	1.0	0.1	335	29.1	29.1	7.6	7.6	21.2	21.2	76.9	76.9	5.3	5.3	1.0	1.0	5	5	-	-	816614	810722	-	-	-	-			
						1.0	0.2	342	29.1	29.1	7.6	7.6	21.2	21.2	76.9	76.9	5.3	5.3	1.0	1.0	5	5	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.5	0.2	314	29.1	29.1	7.4	7.4	21.9	21.9	81.5	81.5	5.6	5.6	3.1	3.1	5	5	-	-	-	-	-	-	-	-			
						3.5	0.2	337	29.1	29.1	7.4	7.4	21.9	21.9	81.5	81.5	5.6	5.6	3.1	3.1	5	5	-	-	-	-	-	-	-	-			
SR6	Fine	Moderate	16:46																														

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
C1	Fine	Moderate	12:12	8.2	Surface	1.0	0.3	57	29.7	8.0	8.0	14.3	14.3	79.2	79.2	5.6	5.4	7.1	12.6	4	5	72	74	815590	804262	<0.2	<0.2	2.1	2.3				
						1.0	0.3	58	29.7	29.7	8.0	8.0	14.3	14.3	79.2	79.2	5.6	5.4	7.1	12.6	4	5	72	74	<0.2	<0.2	2.1	2.3					
					Middle	4.1	0.4	52	29.1	29.1	8.1	8.1	24.8	24.8	77.1	77.1	5.2	5.2	13.6	12.6	4	5	73	73	<0.2	<0.2	2.5	2.5					
						4.1	0.5	55	29.1	29.1	8.1	8.1	24.8	24.8	77.1	77.1	5.2	5.2	13.6	12.6	4	5	73	73	<0.2	<0.2	2.5	2.5					
					Bottom	7.2	0.4	48	29.1	29.1	8.1	8.1	26.8	26.8	77.4	77.4	5.1	5.1	17.1	12.6	6	5	75	75	<0.2	<0.2	2.1	2.1					
						7.2	0.4	48	29.1	29.1	8.1	8.1	26.8	26.8	77.4	77.4	5.1	5.1	17.1	12.6	6	5	75	75	<0.2	<0.2	2.1	2.1					
C2	Fine	Moderate	13:07	11.4	Surface	1.0	0.4	193	28.5	28.5	8.0	8.0	25.0	25.0	69.0	69.0	4.7	4.6	7.2	9.1	4	4	71	73	825709	806928	<0.2	<0.2	3.0	2.8			
						1.0	0.4	209	28.5	28.5	8.0	8.0	25.0	25.0	69.0	69.0	4.7	4.6	7.2	9.1	3	4	71	73	<0.2	<0.2	2.9	2.8					
					Middle	5.7	0.1	225	28.4	28.4	8.1	8.1	26.0	26.0	67.1	67.1	4.5	4.5	8.5	9.1	4	4	73	73	<0.2	<0.2	2.9	2.8					
						5.7	0.1	230	28.4	28.4	8.1	8.1	26.0	26.0	67.1	67.1	4.5	4.5	8.5	9.1	4	4	73	73	<0.2	<0.2	3.2	2.8					
					Bottom	10.4	0.2	308	28.0	28.0	8.1	8.1	28.2	28.2	63.2	63.2	4.2	4.2	11.7	9.1	5	4	75	75	<0.2	<0.2	2.9	2.8					
						10.4	0.2	327	28.0	28.0	8.1	8.1	28.2	28.2	63.2	63.2	4.2	4.2	11.7	9.1	6	4	75	75	<0.2	<0.2	2.1	2.8					
C3	Fine	Moderate	11:12	12.2	Surface	1.0	0.4	245	29.4	29.4	7.9	7.9	15.7	15.7	75.0	75.0	5.3	5.2	8.0	9.4	4	4	71	73	822121	817784	<0.2	<0.2	1.9	1.8			
						1.0	0.4	267	29.4	29.4	7.9	7.9	15.7	15.7	74.9	75.0	5.3	5.2	8.0	9.4	4	4	71	73	<0.2	<0.2	1.5	1.8					
					Middle	6.1	0.4	255	28.9	28.9	7.9	7.9	19.8	19.8	72.1	72.2	5.0	5.0	8.4	9.4	4	4	73	73	<0.2	<0.2	1.8	1.8					
						6.1	0.5	266	28.9	28.9	7.9	7.9	19.8	19.8	72.2	72.2	5.0	5.0	8.5	9.4	4	4	73	73	<0.2	<0.2	1.6	1.8					
					Bottom	11.2	0.3	296	28.9	28.9	7.9	7.9	20.4	20.4	71.8	71.8	4.9	4.9	11.7	9.4	5	4	75	74	<0.2	<0.2	1.9	1.8					
						11.2	0.3	297	28.9	28.9	7.9	7.9	20.4	20.4	71.8	71.8	4.9	4.9	11.8	9.4	5	4	74	74	<0.2	<0.2	2.0	1.8					
IM1	Fine	Moderate	11:51	4.6	Surface	1.0	0.4	322	29.5	29.5	8.0	8.0	16.2	16.2	85.8	85.8	6.0	6.0	4.5	5.0	6	6	71	73	817934	807119	<0.2	<0.2	1.8	1.9			
						1.0	0.4	331	29.5	29.5	8.0	8.0	16.2	16.2	85.8	85.8	6.0	6.0	4.5	5.0	5	6	72	73	<0.2	<0.2	2.0	1.9					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.3	10	29.4	29.4	8.0	8.0	19.0	19.0	84.9	84.9	5.8	5.8	5.5	5.0	5	6	74	73	<0.2	<0.2	2.0	1.9					
						3.6	0.3	10	29.4	29.4	8.0	8.0	19.0	19.0	84.9	84.9	5.8	5.8	5.5	5.0	6	6	73	73	<0.2	<0.2	2.0	1.7					
IM2	Fine	Moderate	11:44	7.1	Surface	1.0	0.7	5	29.3	29.3	8.1	8.1	20.2	20.2	80.8	80.8	5.5	5.4	3.9	6.9	3	4	71	73	818138	806183	<0.2	<0.2	2.0	1.9			
						1.0	0.8	5	29.3	29.3	8.1	8.1	20.2	20.2	80.8	80.8	5.5	5.4	3.9	6.9	4	4	72	73	<0.2	<0.2	2.0	1.9					
					Middle	3.6	0.4	19	29.2	29.2	8.1	8.1	24.6	24.6	77.0	77.0	5.2	5.2	6.9	6.9	4	4	72	73	<0.2	<0.2	1.8	1.9					
						3.6	0.4	20	29.2	29.2	8.1	8.1	24.6	24.6	77.0	77.0	5.2	5.2	6.9	6.9	4	4	73	73	<0.2	<0.2	1.9	1.9					
					Bottom	6.1	0.3	3	29.2	29.2	8.1	8.1	26.1	26.1	77.7	77.7	5.2	5.2	10.0	6.9	4	4	75	75	<0.2	<0.2	2.0	2.0					
						6.1	0.4	3	29.2	29.2	8.1	8.1	26.1	26.1	77.7	77.7	5.2	5.2	10.0	6.9	5	4	74	74	<0.2	<0.2	1.8	2.0					
IM3	Fine	Moderate	11:38	7.1	Surface	1.0	0.3	266	29.7	29.7	8.1	8.1	18.7	18.7	81.0	81.0	5.6	5.4	1.0	4.5	4	5	72	73	818767	805578	<0.2	<0.2	2.4	2.0			
						1.0	0.4	267	29.7	29.7	8.1	8.1	18.7	18.7	81.0	81.0	5.6	5.4	1.0	4.5	4	5	71	73	<0.2	<0.2	2.2	2.0					
					Middle	3.6	0.2	306	29.2	29.2	8.1	8.1	23.5	23.5	77.0	77.0	5.2	5.2	3.4	4.5	5	5	73	73	<0.2	<0.2	1.7	2.0					
						3.6	0.2	325	29.2	29.2	8.1	8.1	23.5	23.5	77.0	77.0	5.2	5.2	3.4	4.5	6	5	73	73	<0.2	<0.2	2.1	2.0					
					Bottom	6.1	0.2	5	29.2	29.2	8.1	8.1	25.1	25.1	78.0	78.0	5.2	5.2	9.1	4.5	5	5	74	75	<0.2	<0.2	1.6	2.0					
						6.1	0.2	5	29.2	29.2	8.1	8.1	25.1	25.1	78.0	78.0	5.2	5.2	9.1	4.5	5	5	75	75	<0.2	<0.2	2.2	2.0					
IM4	Fine	Moderate	11:29	7.6	Surface	1.0	0.3	291	29.5	29.5	8.0	8.0	17.9	17.9	75.5	75.5	5.2	5.1	5.3	10.5	7	7	72	73	819714	804618	<0.2	<0.2	2.0	2.1			
						1.0	0.3	293	29.5	29.5	8.0	8.0	17.9	17.9	75.5	75.5	5.2	5.1	5.3	10.5	6	7	71	73	<0.2	<0.2	2.1	2.1					
					Middle	3.8	0.3	323	29.2	29.2	8.1	8.1	22.9	22.9	74.0	74.0	5.0	5.0	12.5	10.5	7	7	73	73	<0.2	<0.2	2.0	2.1					
						3.8	0.3	343	29.2	29.2	8.1	8.1	22.9	22.9	74.0	74.0	5.0	5.0	12.5	10.5	7	7	73	73	<0.2	<0.2	2.0	2.1					
					Bottom	6.6	0.3	14	29.2	29.2	8.1	8.1	26.4	26.4	73.8	73.8	4.9	4.9	13.8	10.5	7	7	74	74	<0.2	<0.2	2.2	2.1					
						6.6	0.3	15	29.2	29.2	8.1	8.1	26.4	26.4	73.8	73.8	4.9	4.9	13.8	10.5	8	7	75	75	<0.2	<0.2	2.3	2.1					
IM5	Fine	Moderate	11:18	7.0	Surface	1.0	0.2	291	29.6	29.6	8.0	8.0	15.8	15.8	76.2	76.2	5.3	5.3	3.6	8.3	3	4	71	73	820751	804887	<0.2	<0.2	2.7	2.5			
						1.0	0.3	300	29.6	29.6	8.0	8.0	15.8	15.8	76.2	76.2	5.3	5.3	3.6	8.3	4	4	70	73	<0.2	<0.2	2.8	2.5					
					Middle	3.5	0.2	328	29.3	29.3	8.0	8.0	19.5	19.5	75.7	75.7	5.2	5.2	10.6	8.3	4	4	73	73	<0.2	<0.2	2.4	2.5					
						3.5	0.2	351	29.3	29.3	8.0	8.0	19.5	19.5	75.7	75.7	5.2	5.2	10.6	8.3	4	4	74	74	<0.2	<0.2	2.5	2.5					
					Bottom	6.0	0.2	7	29.3	29.3	7.9	7.9	22.7	22.7	77.5	77.5	5.2	5.2	10.7	8.3	4	4	75	75	<0.2	<0.2	2.3	2.5					
						6.0	0.2	7	29.3	29.3	7.9	7.9	22.7	22.7	77.5	77.5	5.2	5.2	10.7	8.3	4	4	75	75	<0.2	<0.2	2.3	2.5					
IM6	Fine	Moderate	11:12	7.2	Surface	1.0	0.4	280	29.7	29.7	7.9	7.9	15.8	15.8	74.8	74.8	5.2	5.2	2.5	3.4	4	4	71	73	821038	805808	<0.2	<0.2	2.4	2.5			
						1.0	0.4	283	29.7	29.7	7.9	7.9	15.8	15.8	74.8	74.8	5.2	5.2	2.5	3.4	3	4	71	73	<0.2								

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Misty	Moderate	09:51	8.9	Surface	1.0	0.4	219	29.4	8.1	8.1	14.3	14.3	86.3	86.3	6.1	5.3	2.7	7.4	6	5	80	82	815610	804273	<0.2	<0.2	2.5	2.5							
						1.0	0.4	226	29.4	8.1	8.1	14.3	14.3	86.3	86.3	6.1	5.3	2.7	7.4	5	5	80	82	<0.2	<0.2	2.5	2.5									
						4.5	0.4	216	28.7	8.0	8.0	24.8	24.8	65.7	65.7	4.4	4.4	3.8	4.4	5	5	82	82	<0.2	<0.2	2.6	2.6									
					4.5	0.5	232	28.7	8.0	8.0	24.8	24.8	65.7	65.7	4.4	4.4	3.8	4.4	5	5	82	82	<0.2	<0.2	2.6	2.6										
					7.9	0.4	217	28.5	8.0	8.0	26.8	26.8	65.9	65.9	4.4	4.4	15.5	4.4	5	5	85	85	<0.2	<0.2	2.5	2.5										
					7.9	0.4	227	28.5	8.0	8.0	26.8	26.8	66.0	66.0	4.4	4.4	15.7	4.4	4	4	85	85	<0.2	<0.2	2.6	2.6										
C2	Misty	Moderate	11:23	9.2	Surface	1.0	0.5	198	29.7	8.0	8.0	17.1	17.0	83.8	83.6	5.8	5.2	2.8	5.4	5	5	79	82	825652	806959	<0.2	<0.2	2.8	2.8							
						1.0	0.6	209	29.7	8.0	8.0	17.0	17.0	83.4	83.6	5.8	5.2	2.8	5.4	5	5	79	82	<0.2	<0.2	2.7	2.7									
						4.6	0.8	152	29.0	8.0	8.0	23.7	23.7	68.0	68.0	4.6	4.6	4.2	4.2	5	5	82	82	<0.2	<0.2	2.8	2.8									
					4.6	0.9	156	29.0	8.0	8.0	23.7	23.7	67.9	68.0	4.6	4.6	4.3	4.3	6	6	81	81	<0.2	<0.2	2.8	2.8										
					8.2	0.6	111	28.8	8.0	8.0	31.0	31.0	66.4	66.4	4.3	4.3	9.1	4.3	6	6	84	84	<0.2	<0.2	2.8	2.8										
					8.2	0.6	117	28.8	8.0	8.0	31.0	31.0	66.5	66.5	4.3	4.3	9.1	4.3	5	5	84	84	<0.2	<0.2	2.9	2.9										
C3	Misty	Moderate	09:01	12.3	Surface	1.0	0.5	137	29.2	8.1	8.1	19.6	19.6	82.6	82.5	5.7	5.3	2.4	2.4	4	4	79	82	822123	817774	<0.2	<0.2	2.7	2.7							
						1.0	0.5	148	29.2	8.1	8.1	19.6	19.6	82.4	82.5	5.7	5.3	2.4	2.4	4	4	80	82	<0.2	<0.2	2.9	2.9									
						6.2	0.2	90	28.7	8.1	8.1	24.2	24.3	73.4	73.0	5.0	5.0	2.1	2.1	6	6	82	82	<0.2	<0.2	2.8	2.8									
					6.2	0.2	92	28.4	8.1	8.1	24.3	24.3	72.5	73.0	4.9	4.9	2.2	2.2	5	5	82	82	<0.2	<0.2	2.4	2.4										
					11.3	0.5	57	27.7	8.1	8.1	29.9	29.9	58.6	58.4	3.9	3.9	2.6	2.6	6	6	84	84	<0.2	<0.2	2.3	2.3										
					11.3	0.5	61	27.7	8.1	8.1	29.9	29.9	58.2	58.4	3.9	3.9	2.6	2.6	7	7	84	84	<0.2	<0.2	2.4	2.4										
IM1	Misty	Moderate	10:16	5.1	Surface	1.0	0.1	176	29.0	8.0	8.0	30.2	30.2	85.6	85.7	6.0	6.0	5.0	6.0	6	6	80	82	817949	807155	<0.2	<0.2	1.6	1.6							
						1.0	0.1	180	29.0	8.0	8.0	30.2	30.2	85.7	85.7	6.0	6.0	5.0	6.0	6	6	80	82	<0.2	<0.2	1.6	1.6									
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					4.1	0.1	170	28.7	8.0	8.0	31.5	31.4	66.4	66.4	4.3	4.3	7.7	4.3	7	7	84	85	<0.2	<0.2	1.6	1.6										
					4.1	0.1	184	28.7	8.0	8.0	31.4	31.4	66.4	66.4	4.3	4.3	7.7	4.3	8	8	85	85	<0.2	<0.2	1.8	1.8										
IM2	Misty	Moderate	10:25	7.2	Surface	1.0	0.4	220	29.1	8.0	8.0	25.9	25.9	71.7	71.8	4.8	4.6	4.4	8.5	7	7	81	83	818185	806175	<0.2	<0.2	1.6	1.6							
						1.0	0.4	232	29.1	8.0	8.0	25.9	25.9	71.8	71.8	4.8	4.6	4.5	8.5	7	7	81	83	<0.2	<0.2	1.6	1.6									
						3.6	0.2	214	28.7	8.0	8.0	31.5	31.5	64.4	64.4	4.3	4.3	9.2	4.2	7	7	82	84	<0.2	<0.2	1.7	1.7									
					3.6	0.2	216	28.7	8.0	8.0	31.5	31.5	64.3	64.4	4.3	4.3	9.2	4.2	7	7	82	84	<0.2	<0.2	2.2	2.2										
					6.2	0.2	165	28.6	8.0	8.0	32.1	32.1	65.2	65.2	4.2	4.2	11.9	4.2	7	7	84	84	<0.2	<0.2	2.1	2.1										
					6.2	0.2	167	28.6	8.0	8.0	32.1	32.1	65.2	65.2	4.2	4.2	11.8	4.2	8	8	84	84	<0.2	<0.2	2.2	2.2										
IM3	Misty	Moderate	10:34	7.3	Surface	1.0	0.6	192	29.3	8.0	8.0	21.8	21.8	80.0	80.0	5.4	4.9	4.1	7.2	7	9	81	84	818780	805566	<0.2	<0.2	2.3	2.3							
						1.0	0.6	192	29.3	8.0	8.0	21.9	21.8	79.9	80.0	5.4	4.9	4.1	7.2	8	9	82	84	<0.2	<0.2	2.5	2.5									
						3.7	0.4	201	28.8	8.0	8.0	30.0	30.0	66.5	66.5	4.4	4.4	9.0	4.4	10	10	84	85	<0.2	<0.2	2.3	2.3									
					3.7	0.4	204	28.8	8.0	8.0	30.0	30.0	66.5	66.5	4.4	4.4	8.9	4.4	9	9	85	85	<0.2	<0.2	2.4	2.4										
					6.3	0.2	191	28.7	8.0	8.0	31.3	31.3	67.9	68.1	4.4	4.4	8.4	4.4	10	10	86	86	<0.2	<0.2	2.3	2.3										
					6.3	0.2	209	28.7	8.0	8.0	31.3	31.3	68.2	68.1	4.4	4.4	8.4	4.4	10	10	86	86	<0.2	<0.2	2.4	2.4										
IM4	Misty	Moderate	10:45	7.4	Surface	1.0	0.7	192	29.7	8.0	8.0	13.8	13.8	90.3	90.2	6.4	5.7	4.0	11.4	6	7	81	83	819751	804630	<0.2	<0.2	2.8	2.8							
						1.0	0.7	198	29.7	8.0	8.0	13.8	13.8	90.1	90.2	6.3	5.7	4.0	11.4	6	7	81	83	<0.2	<0.2	2.8	2.8									
						3.7	0.6	189	29.2	8.0	8.0	23.4	23.4	74.3	74.2	5.0	5.0	8.3	5.0	6	6	83	83	<0.2	<0.2	3.2	3.2									
					3.7	0.6	206	29.2	8.0	8.0	23.5	23.4	74.1	74.2	5.0	5.0	8.5	5.0	8	8	83	83	<0.2	<0.2	3.2	3.2										
					6.4	0.4	182	28.8	8.0	8.0	31.0	31.0	70.9	71.0	4.6	4.6	22.0	4.6	7	7	84	84	<0.2	<0.2	3.1	3.1										
					6.4	0.5	194	28.8	8.0	8.0	31.0	31.0	71.1	71.0	4.6	4.6	21.8	4.6	8	8	85	85	<0.2	<0.2	3.3	3.3										
IM5	Misty	Moderate	10:59	7.0	Surface	1.0	0.8	199	29.6	8.0	8.0	14.9	15.0	89.8	89.8	6.3	5.5	3.6	5.6	4	5	82	85	820742	804867	<0.2	<0.2	3.4	3.4							
						1.0	0.8	200	29.6	8.0	8.0	15.0	15.0	89.7	89.8	6.3	5.5	3.6	5.6	4	5	82	85	<0.2	<0.2	3.3	3.3									
						3.5	0.6	210	29.1	8.0	8.0	25.5	25.6	70.1	70.1	4.7	4.7	5.1	4.7	5	5	85	85	<0.2	<0.2	3.4	3.4									
					3.5	0.6	218	29.1	8.0	8.0	25.6	25.6	70.0	70.1	4.7	4.7	5.1	4.7	6	6	85	85	<0.2	<0.2	3.4	3.4										
					6.0	0.5	213	28.8	8.0	8.0	30.0	30.0	71.4	71.6	4.7	4.7	8.1	4.7	6	6	86	86	<0.2	<0.2	3.4	3.4										
					6.0	0.5	220	28.8	8.0	8.0	30.0	30.0	71.7	71.6	4.7	4.7	7.9	4.7	6	6	87	87	<0.2	<0.2	3.4	3.4										
IM6	Misty	Moderate	11:10	6.7	Surface	1.0	0.4	232	29.7	8.0	8.0	16.9	16.9	82.5	82.4	5.7	5.0	3.4	13.0	4	4	82	85	821033	805799	<0.2	<0.2	2.7	2.7							
						1.0	0.4	236	29.7	8.0	8.0	16.9	16.9	82.3	82.4	5.7	5.0	3.4	13.0	4	4	83	85	<0.2	<0.2	2.8	2.8									
						3.4	0.4	267	29.0	7.9	7.9	26.8	26.8	64.4	64.4	4.3	4.3	6.3	4.3	5	5	84	85	<0.2	<0.2	2.8	2.8									
					3.4	0.5	291	29.0	7.9	7.9	26.8	26.8	64.3	64.4	4.3	4.3	6.4	4.3	4																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Misty	Moderate	10:37	7.0	Surface	1.0	0.3	166	29.8	8.0	8.0	13.6	13.7	93.1	93.1	6.6	3.9	5	79	822068	808802	<0.2	2.7	2.6												
						1.0	0.3	180	29.8	8.0	8.0	13.7	13.7	93.0	93.0	6.5	3.9	6	80	<0.2	2.6															
					Middle	3.5	0.3	154	29.2	29.2	8.0	8.0	23.6	23.7	73.1	73.0	4.9	10.1	6	81	<0.2	2.6														
						3.5	0.4	163	29.2	29.2	8.0	8.0	23.7	23.7	72.9	73.0	4.9	10.4	6	82	<0.2	2.4														
					Bottom	6.0	0.4	129	28.8	28.8	8.0	8.0	30.9	30.9	69.5	69.7	4.5	22.9	7	84	<0.2	2.5														
						6.0	0.4	135	28.8	28.8	8.0	8.0	30.9	30.9	69.9	69.7	4.6	22.7	6	84	<0.2	2.5														
IM10	Misty	Moderate	10:28	6.7	Surface	1.0	0.5	183	29.4	29.4	8.0	8.0	21.0	20.9	85.1	85.1	5.8	4.0	3	79	822397	809812	<0.2	2.6	2.6											
						1.0	0.6	190	29.4	29.4	8.0	8.0	20.9	20.9	85.1	85.1	5.8	4.0	4	79	<0.2	2.5														
					Middle	3.4	0.5	161	28.8	28.8	8.0	8.0	30.3	30.2	66.2	66.2	4.3	8.2	5	82	<0.2	2.8														
						3.4	0.5	165	28.8	28.8	8.0	8.0	30.2	30.2	66.2	66.2	4.3	8.1	4	82	<0.2	2.5														
					Bottom	5.7	0.4	119	28.7	28.7	8.0	8.0	31.2	31.2	67.7	67.8	4.4	7.0	5	84	<0.2	2.5														
						5.7	0.4	125	28.7	28.7	8.0	8.0	31.2	31.2	67.8	67.8	4.4	7.1	6	84	<0.2	2.6														
IM11	Misty	Moderate	10:10	8.0	Surface	1.0	0.7	121	29.0	29.0	8.0	8.0	26.9	26.9	83.8	83.6	5.8	4.8	4	79	822049	811452	<0.2	2.5	2.7											
						1.0	0.7	132	29.0	29.0	8.0	8.0	26.9	26.9	83.4	83.6	5.8	4.8	5	79	<0.2	2.5														
					Middle	4.0	0.7	130	28.7	28.7	8.0	8.0	31.6	31.6	66.5	66.5	4.4	8.7	5	82	<0.2	2.5														
						4.0	0.7	135	28.7	28.7	8.0	8.0	31.6	31.6	66.5	66.5	4.4	8.7	4	82	<0.2	2.7														
					Bottom	7.0	0.4	127	28.6	28.6	8.0	8.0	32.1	32.1	64.2	64.3	4.2	12.2	5	84	<0.2	2.9														
						7.0	0.4	139	28.6	28.6	8.0	8.0	32.1	32.1	64.3	64.3	4.2	12.2	5	84	<0.2	2.8														
IM12	Misty	Moderate	10:00	8.9	Surface	1.0	0.6	163	28.9	28.9	8.0	8.0	30.5	30.5	70.0	70.7	4.7	6.1	6	79	821446	812054	<0.2	2.5	2.6											
						1.0	0.7	177	28.9	28.9	8.0	8.0	30.5	30.5	71.4	70.7	4.7	6.1	6	82	<0.2	2.5														
					Middle	4.5	0.6	155	28.8	28.8	8.0	8.0	31.2	31.2	68.9	69.0	4.5	12.6	7	82	<0.2	2.5														
						4.5	0.6	155	28.8	28.8	8.0	8.0	31.2	31.2	69.1	69.0	4.5	12.9	6	82	<0.2	2.9														
					Bottom	7.9	0.6	109	28.7	28.7	8.0	8.0	31.6	31.6	64.8	64.8	4.2	30.8	7	84	<0.2	2.6														
						7.9	0.6	114	28.7	28.7	8.0	8.0	31.6	31.6	64.8	64.8	4.2	30.5	7	84	<0.2	2.5														
SR2	Misty	Moderate	09:27	4.5	Surface	1.0	0.5	98	29.3	29.3	8.1	8.1	15.0	15.0	90.6	90.2	6.4	2.8	4	79	821461	814194	<0.2	2.2	2.4											
						1.0	0.5	103	29.3	29.3	8.1	8.1	15.0	15.0	89.8	90.2	6.3	2.8	5	79	<0.2	2.2														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-				
					Bottom	3.5	0.2	70	29.3	29.3	8.1	8.1	19.6	19.6	86.3	86.3	5.9	2.5	6	82	<0.2	2.6														
						3.5	0.3	71	29.3	29.3	8.1	8.1	19.6	19.6	86.3	86.3	5.9	2.8	7	81	<0.2	2.6														
SR3	Misty	Moderate	10:53	8.5	Surface	1.0	0.4	192	29.8	29.8	8.0	8.0	16.3	16.3	85.7	85.6	5.9	3.2	3	-	822132	807564	-	-	-	-	-	-								
						1.0	0.4	204	29.8	29.8	8.0	8.0	16.3	16.3	85.5	85.6	5.9	3.2	4	-	-	-														
					Middle	4.3	0.2	136	29.2	29.2	7.9	7.9	23.1	23.1	72.6	72.6	4.9	4.6	3	-	-	-														
						4.3	0.2	148	29.2	29.2	7.9	7.9	23.0	23.0	72.5	72.5	4.9	4.8	3	-	-	-														
					Bottom	7.5	0.3	100	28.8	28.8	8.0	8.0	30.4	30.4	67.7	67.8	4.4	18.2	3	-	-	-														
						7.5	0.3	108	28.8	28.8	8.0	8.0	30.4	30.4	67.9	67.9	4.4	17.9	4	-	-	-														
SR4A	Misty	Moderate	09:31	9.0	Surface	1.0	0.1	312	29.1	29.1	8.0	8.0	22.7	22.7	72.9	72.8	4.9	6.0	4	-	817163	807781	-	-	-	-										
						1.0	0.1	334	29.1	29.1	8.0	8.0	22.7	22.7	72.7	72.8	4.9	6.0	4	-	-	-														
					Middle	4.5	0.1	84	28.7	28.7	8.0	8.0	23.5	23.5	66.2	66.2	4.5	10.7	5	-	-	-														
						4.5	0.1	92	28.7	28.7	8.0	8.0	23.5	23.5	66.2	66.2	4.5	10.8	5	-	-	-														
					Bottom	8.0	0.1	55	28.7	28.7	8.0	8.0	23.4	23.4	68.2	68.3	4.6	14.7	5	-	-	-														
						8.0	0.1	57	28.7	28.7	8.0	8.0	23.4	23.4	68.3	68.3	4.6	14.8	5	-	-	-														
SR5A	Misty	Calm	09:14	5.3	Surface	1.0	0.0	85	29.5	29.5	7.9	7.9	22.5	22.5	77.3	77.3	5.2	4.0	5	-	816601	810708	-	-	-	-										
						1.0	0.0	85	29.5	29.5	7.9	7.9	22.5	22.5	77.3	77.3	5.2	4.0	5	-	-	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.3	0.1	337	28.8	28.8	7.9	7.9	25.4	25.4	64.8	64.9	4.4	9.0	4	-	-	-														
						4.3	0.1	355	28.8	28.8	7.9	7.9	25.4	25.4	65.0	64.9	4.4	8.7	5	-	-	-														
SR6	Misty	Calm	08:48	4.6	Surface	1.0	0.0	342	29.3	29.3	7.9	7.9	24.0	24.0	83.1	83.0	5.5	3.8	5	-	817876	814692	-	-	-	-										
						1.0	0.0	315	29.3	29.3	7.9	7.9	24.0	24.0	82.8	83.0	5.5	3.8	5	-	-	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	3.6	0.1	251	29.0	29.0	7.7	7.7	24.3	24.3	59.0	59.1	4.0	10.0	7	-	-	-														
						3.6	0.1	265	29.0	29.0	7.7	7.7	24.3	24.3	59.1	59.1	4.0	10.0	7	-	-	-														
SR7	Misty	Moderate	08:14	18.6	Surface	1.0	0.5	105	29.1	29.0	7.9	7.8	20.6	20.7	87.4	87.4	6.0	2.0	6	-	823632	823728	-	-	-	-										
						1.0	0.6	105	28.9	29.0	7.7	7.7	20.9	20.9	87.4	87.4	6.0	2.0	5	-	-	-														
					Middle	9.3	0.4	101	29.1	29.0	7.9	7.8	20.8	20.9	81.1	79.6	5.6	2.5	6	-	-	-														
						9.3	0.4	105	28.8	29.0	7.8	7.8	21.0	20.9	78.0	79.6	5.4	2.4	5	-	-	-														
					Bottom	17.6	0.3	87	27.2	27.1	7.8	7.8	31.1	31.3	59.0	59.5	3.9	5.1	6	-	-	-														
						17.6	0.4	90	26.9	27.1	7.8	7.8	31.4	31.3	60.0	59.5	4.0	5.1	6	-	-	-														
SR8	Misty	Moderate	09:53	4.1	Surface	1.0	-	-	29.7	29.7	8.1	8.1	19.9	19.9	89.1	88.9	6.0	2.5	5	-	820246	811418	-	-	-	-										
						1.0	-	-	29.7	29.7	8.1	8.1	19.9	19.9	88.7	88.9	6.0	2.5	6	-	-	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					Bottom	3.1	-	-	29.1	29.1</																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 August 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Misty	Moderate	16:56	7.7	Surface	1.0	0.2	89	30.4	8.1	8.1	19.8	19.8	106.8	106.7	7.2	6.3	5.4	8.6	7	7	83	85	85	85	815632	804252	<0.2	2.6	2.5						
						1.0	0.2	96	30.4	8.1	8.1	19.8	19.8	106.6	106.7	7.2	6.3	5.3	8.6	7	7	83	85	85	85			<0.2	2.6							
						3.9	0.2	68	29.7	8.1	8.1	21.3	21.3	80.0	79.7	5.4	5.4	7.0	8.6	7	7	83	85	85	85			<0.2	2.6							
					3.9	0.2	71	29.6	8.1	8.1	21.3	21.3	79.4	79.7	5.4	5.4	7.1	8.6	7	7	83	85	85	85	<0.2			2.6								
					6.7	0.2	46	28.7	8.0	8.0	31.9	31.9	71.5	71.5	4.6	4.6	13.5	8.6	7	7	83	85	85	85	<0.2			2.4								
					6.7	0.2	46	28.7	8.0	8.0	31.9	31.9	71.8	71.7	4.7	4.7	13.5	8.6	7	7	83	85	85	85	<0.2			2.3								
C2	Misty	Moderate	15:43	9.1	Surface	1.0	0.5	208	29.8	8.0	8.0	18.5	18.5	89.9	89.9	6.2	6.1	3.2	2.9	7	7	81	81	83	83	825696	806958	<0.2	2.6	2.5						
						1.0	0.6	213	29.8	8.0	8.0	18.5	18.5	89.9	89.9	6.2	6.1	3.1	2.9	7	7	81	81	83	83			<0.2	2.6							
						4.6	0.6	176	29.6	7.9	7.9	19.4	19.4	86.4	86.4	5.9	5.9	2.9	2.9	7	7	83	83	83	83			<0.2	2.4							
					4.6	0.6	190	29.6	7.9	7.9	19.4	19.4	86.3	86.3	5.9	5.9	2.9	2.9	7	7	83	83	83	83	<0.2			2.4								
					8.1	0.1	288	29.4	7.9	7.9	21.5	21.5	84.8	84.9	5.8	5.8	2.7	2.7	7	7	85	85	85	85	<0.2			2.5								
					8.1	0.1	311	29.4	7.9	7.9	21.5	21.5	85.0	85.0	5.8	5.8	2.7	2.7	7	7	85	85	85	85	<0.2			2.5								
C3	Misty	Moderate	17:55	12.0	Surface	1.0	0.3	221	29.8	8.0	8.0	21.2	21.2	88.1	88.0	6.0	5.3	6.4	10.1	7	7	81	81	83	83	822081	817824	<0.2	2.6	2.6						
						1.0	0.4	234	29.8	8.0	8.0	21.2	21.2	87.9	88.0	5.9	5.3	6.4	10.1	7	7	81	81	83	83			<0.2	2.5							
						6.0	0.5	243	29.4	7.9	7.9	23.6	23.6	70.4	70.4	4.7	4.7	10.0	10.1	7	7	83	83	83	83			<0.2	2.7							
					6.0	0.5	259	29.4	7.9	7.9	23.6	23.6	70.3	70.4	4.7	4.7	10.1	10.1	6	7	83	83	83	83	<0.2			2.6								
					11.0	0.2	276	29.1	7.9	7.9	27.5	27.5	65.9	66.0	4.4	4.4	13.7	13.7	7	7	85	85	85	85	<0.2			2.7								
					11.0	0.2	276	29.1	7.9	7.9	27.5	27.5	66.0	66.0	4.4	4.4	13.7	13.7	6	7	85	85	85	85	<0.2			2.6								
IM1	Misty	Moderate	16:35	4.6	Surface	1.0	0.2	232	29.9	8.0	8.0	24.9	24.9	79.0	78.9	5.2	5.2	6.3	10.6	8	8	81	81	83	83	817940	807136	<0.2	1.3	1.3						
						1.0	0.3	255	29.9	8.0	8.0	24.9	24.9	78.8	78.9	5.2	5.2	6.4	10.6	7	7	81	81	83	83			<0.2	1.2							
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
					2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
					3.6	0.0	61	29.0	8.0	8.0	29.3	29.3	71.0	71.0	4.6	4.6	14.6	14.9	8	8	85	85	85	85	85			85	<0.2		1.2					
					3.6	0.0	62	29.0	8.0	8.0	29.4	29.3	71.0	71.0	4.7	4.7	14.9	14.9	8	8	85	85	85	85	85			85	<0.2		1.3					
IM2	Misty	Moderate	16:26	6.7	Surface	1.0	0.1	319	30.1	8.1	8.1	21.9	21.9	93.3	93.2	6.2	5.4	6.1	10.3	6	7	80	81	83	83	818156	806193	<0.2	1.7	1.7						
						1.0	0.1	324	30.1	8.1	8.1	21.9	21.9	93.0	93.2	6.2	5.4	6.1	10.3	7	7	81	81	83	83			<0.2	1.8							
						3.4	0.1	289	29.0	8.0	8.0	27.3	27.3	69.3	69.3	4.6	4.6	9.0	9.2	7	7	82	82	83	83			<0.2	1.6							
					3.4	0.1	307	29.0	8.0	8.0	27.3	27.3	69.2	69.3	4.6	4.6	9.2	9.2	8	8	82	82	83	83	<0.2			1.7								
					5.7	0.1	332	28.8	8.0	8.0	31.1	31.1	68.1	68.2	4.4	4.4	15.7	15.8	9	9	85	85	85	85	<0.2			1.7								
					5.7	0.2	349	28.8	8.0	8.0	31.1	31.1	68.2	68.2	4.4	4.4	15.8	15.8	8	8	85	85	85	85	<0.2			1.7								
IM3	Misty	Moderate	16:17	6.8	Surface	1.0	0.4	238	29.9	8.1	8.1	20.1	20.1	92.1	92.0	6.2	5.4	8.3	9.7	8	8	81	81	83	83	818754	805566	<0.2	2.2	2.2						
						1.0	0.4	240	30.0	8.1	8.1	20.1	20.1	91.9	92.0	6.2	5.4	8.1	9.7	8	8	81	81	83	83			<0.2	2.2							
						3.4	0.1	320	29.0	8.0	8.0	27.6	27.6	69.1	69.1	4.6	4.6	10.2	10.2	9	9	83	83	83	83			<0.2	2.1							
					3.4	0.1	351	29.0	8.0	8.0	27.6	27.6	69.1	69.1	4.6	4.6	10.2	10.2	10	10	83	83	83	83	<0.2			2.1								
					5.8	0.3	17	28.7	8.0	8.0	31.6	31.6	67.8	67.9	4.4	4.4	10.6	10.6	10	10	85	85	85	85	<0.2			2.2								
					5.8	0.3	17	28.7	8.0	8.0	31.6	31.6	67.9	67.9	4.4	4.4	10.7	10.7	11	11	85	85	85	85	<0.2			2.2								
IM4	Misty	Moderate	16:07	7.0	Surface	1.0	0.3	229	30.4	8.0	8.0	17.6	17.6	98.7	98.6	6.7	6.0	4.1	11.4	6	6	81	81	83	83	819718	804577	<0.2	2.8	2.7						
						1.0	0.3	241	30.4	8.0	8.0	17.6	17.6	98.5	98.6	6.7	6.0	4.2	11.4	5	6	81	81	83	83			<0.2	2.6							
						3.5	0.1	240	29.5	8.0	8.0	22.4	22.4	78.0	78.0	5.3	5.3	8.7	8.8	6	6	83	83	83	83			<0.2	2.8							
					3.5	0.1	258	29.5	8.0	8.0	22.4	22.4	77.9	78.0	5.3	5.3	8.8	8.8	6	6	83	83	83	83	<0.2			2.6								
					6.0	0.0	56	29.0	8.0	8.0	27.2	27.2	70.5	70.5	4.7	4.7	21.3	21.3	7	7	84	84	85	85	<0.2			2.5								
					6.0	0.0	58	29.0	8.0	8.0	27.2	27.2	70.5	70.5	4.7	4.7	21.4	21.4	6	6	85	85	85	85	<0.2			2.7								
IM5	Misty	Moderate	15:58	6.5	Surface	1.0	0.6	252	29.8	8.0	8.0	19.2	19.2	88.4	88.3	6.0	5.5	4.2	9.6	6	6	80	81	83	83	820750	804884	<0.2	2.6	2.5						
						1.0	0.7	261	29.8	8.0	8.0	19.2	19.2	88.2	88.3	6.0	5.5	4.2	9.6	6	6	81	81	83	83			<0.2	2.5							
						3.3	0.6	246	29.2	7.9	7.9	23.6	23.6	73.7	73.7	5.0	5.0	9.2	9.2	6	6	82	82	83	83			<0.2	2.5							
					3.3	0.6	268	29.2	7.9	7.9	23.6	23.6	73.7	73.7	5.0	5.0	9.2	9.2	6	6	83	83	83	83	<0.2			2.5								
					5.5	0.4	246	29.1	7.9	7.9	25.2	25.2	73.1	73.2	4.9	4.9	15.4	15.4	7	7	85	85	85	85	<0.2			2.4								
					5.5	0.4	263	29.1	7.9	7.9	25.2	25.2	73.2	73.2	4.9	4.9	15.4	15.4	7	7	86	86	85	85	<0.2			2.5								
IM6	Misty	Moderate	15:51	6.2	Surface	1.0	0.7	271	29.6	8.0	8.0	19.5	19.5	84.4	84.4	5.8	5.2	3.5	7.7	4	5	80	81	83	83	821078	805805	<0.2	2.5	2.4						
						1.0	0.8	274	29.6	8.0	8.0	19.5	19.5	84.3	84.4	5.8	5.2	3.5	7.7	4	5	81	81	83	83			<0.2	2.6							
						3.1	0.5	261	29.0	7.9	7.9	25.8	25.8	66.6	66.7	4.5	4.5	7.1	7.1	5	5	82	82	83	83			<0.2	2.4							
					3.1	0.5	273	29.0	7.9	7.9	25.8	25.8	66.7	66.7	4.5	4.																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 August 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Misty	Moderate	16:15	6.6	Surface	1.0	0.2	231	30.3	8.0	8.0	18.2	18.2	93.2	93.1	6.4	5.3	4	81	83	83	822118	808781	<0.2	<0.2	2.5	2.7									
						1.0	0.2	232	30.3	8.0	8.0	18.2	18.2	92.9	6.3	5.3	4	81	83	<0.2	<0.2	2.6	2.6													
					Middle	3.3	0.2	250	29.1	8.0	8.0	25.9	25.9	69.4	4.6	14.7	4	81	83	<0.2	<0.2	2.6	2.6													
						3.3	0.2	262	29.1	8.0	8.0	25.9	25.9	69.3	4.6	14.5	5	83	83	<0.2	<0.2	2.7	2.8													
					Bottom	5.6	0.1	297	29.0	8.0	8.0	27.7	27.7	68.9	4.6	21.7	5	85	85	<0.2	<0.2	2.6	2.6													
						5.6	0.1	305	29.0	8.0	8.0	27.7	27.7	68.9	4.6	21.8	4	85	85	<0.2	<0.2	2.8	2.8													
IM10	Misty	Moderate	16:27	7.0	Surface	1.0	0.3	327	29.9	8.1	8.1	20.2	20.2	91.2	91.1	6.2	9.5	11	81	83	83	822397	809775	<0.2	<0.2	2.7	2.6									
						1.0	0.3	351	29.9	8.1	8.1	20.2	20.2	91.0	6.2	9.4	12	81	83	<0.2	<0.2	2.7	2.6													
					Middle	3.5	0.3	338	28.8	8.0	8.0	29.7	29.7	65.8	65.8	4.3	10.5	11	83	83	<0.2	<0.2	2.6	2.6												
						3.5	0.4	359	28.8	8.0	8.0	29.7	29.7	65.8	65.8	4.3	10.5	12	83	83	<0.2	<0.2	2.6	2.6												
					Bottom	6.0	0.1	306	28.7	8.0	8.0	31.7	31.7	68.9	4.5	14.2	11	85	85	<0.2	<0.2	2.6	2.6													
						6.0	0.1	337	28.7	8.0	8.0	31.7	31.7	69.1	4.5	14.0	12	85	85	<0.2	<0.2	2.6	2.6													
IM11	Misty	Moderate	16:43	7.1	Surface	1.0	0.4	316	30.0	8.1	8.1	22.3	22.3	92.6	92.6	6.2	6.6	5	81	83	83	822040	811451	<0.2	<0.2	2.6	2.5									
						1.0	0.4	329	30.0	8.1	8.1	22.3	22.3	92.6	6.2	6.6	5	81	83	<0.2	<0.2	2.5	2.5													
					Middle	3.6	0.4	270	29.0	8.1	8.1	27.8	27.8	68.6	68.6	4.5	9.3	5	83	83	<0.2	<0.2	2.6	2.6												
						3.6	0.4	292	29.0	8.1	8.1	27.8	27.8	68.6	68.6	4.5	9.4	6	83	83	<0.2	<0.2	2.5	2.5												
					Bottom	6.1	0.3	286	28.7	8.0	8.0	31.8	31.8	66.7	66.8	4.3	20.1	6	85	85	<0.2	<0.2	2.5	2.5												
						6.1	0.3	303	28.7	8.0	8.0	31.8	31.8	66.8	66.8	4.3	20.0	6	85	85	<0.2	<0.2	2.5	2.5												
IM12	Misty	Moderate	16:53	8.4	Surface	1.0	0.5	269	30.2	8.0	8.0	24.0	24.0	82.7	82.6	5.5	4.9	4	81	83	83	821454	812052	<0.2	<0.2	2.6	2.6									
						1.0	0.5	273	30.2	8.0	8.0	24.1	24.0	82.5	5.5	5.0	4	81	83	<0.2	<0.2	2.4	2.6													
					Middle	4.2	0.6	288	29.3	8.0	8.0	27.9	27.9	72.0	72.0	4.7	7.6	4	83	83	<0.2	<0.2	2.6	2.6												
						4.2	0.6	315	29.3	8.0	8.0	27.9	27.9	71.9	72.0	4.7	7.7	5	83	83	<0.2	<0.2	2.6	2.6												
					Bottom	7.4	0.3	272	29.0	8.0	8.0	30.1	30.1	72.4	72.5	4.7	7.0	5	85	85	<0.2	<0.2	2.5	2.5												
						7.4	0.3	296	29.0	8.0	8.0	30.2	30.1	72.6	72.5	4.7	7.0	5	85	85	<0.2	<0.2	2.7	2.7												
SR2	Misty	Moderate	17:30	4.5	Surface	1.0	0.1	342	29.8	8.0	8.0	20.5	20.5	85.0	85.0	5.8	6.2	5	81	83	82	821452	814163	<0.2	<0.2	2.6	2.6									
						1.0	0.1	348	29.8	8.0	8.0	20.5	20.5	84.9	5.8	6.3	5	81	83	<0.2	<0.2	2.6	2.6													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.5	0.1	349	29.4	7.9	7.9	24.7	24.7	78.3	78.5	5.2	8.5	6	83	83	<0.2	<0.2	2.7	2.7												
						3.5	0.1	321	29.4	7.9	7.9	24.7	24.7	78.6	78.5	5.2	8.5	6	83	83	<0.2	<0.2	2.6	2.6												
SR3	Misty	Moderate	16:00	8.3	Surface	1.0	0.4	237	29.8	8.0	8.0	18.6	18.6	85.3	85.2	5.8	3.5	4	-	-	-	-	-	-	-	-	-	-								
						1.0	0.5	244	29.8	8.0	8.0	18.6	18.6	85.1	5.8	3.5	4	-	-	-	-	-	-	-	-	-	-	-	-							
					Middle	4.2	0.4	243	29.0	7.9	7.9	25.4	25.4	71.3	71.4	4.8	5.7	3	-	-	-	-	-	-	-	-	-	-	-	-						
						4.2	0.4	256	29.0	7.9	7.9	25.4	25.4	71.5	71.4	4.8	5.7	4	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	7.3	0.3	299	28.9	7.9	7.9	26.8	26.8	66.7	66.8	4.4	12.0	4	-	-	-	-	-	-	-	-	-	-	-	-						
						7.3	0.3	327	28.9	7.9	7.9	26.8	26.8	66.8	66.8	4.4	11.9	4	-	-	-	-	-	-	-	-	-	-	-	-						
SR4A	Misty	Moderate	17:15	8.0	Surface	1.0	0.4	243	29.8	8.0	8.0	20.6	20.6	81.9	81.8	5.6	7.1	4	-	-	-	-	-	-	-	-	-	-								
						1.0	0.4	256	29.8	8.0	8.0	20.6	20.6	81.7	5.5	7.2	5	-	-	-	-	-	-	-	-	-	-	-								
					Middle	4.0	0.2	244	29.1	8.0	8.0	26.8	26.8	63.3	63.3	4.2	12.5	6	-	-	-	-	-	-	-	-	-	-	-							
						4.0	0.2	257	29.1	8.0	8.0	26.8	26.8	63.3	63.3	4.2	12.4	6	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	7.0	0.0	228	28.9	8.0	8.0	29.5	29.5	63.7	63.8	4.2	19.1	5	-	-	-	-	-	-	-	-	-	-	-							
						7.0	0.0	233	28.9	8.0	8.0	29.5	29.5	63.8	63.8	4.2	19.1	6	-	-	-	-	-	-	-	-	-	-	-							
SR5A	Misty	Calm	17:35	4.8	Surface	1.0	0.4	337	29.7	8.0	8.0	21.5	21.5	88.7	88.7	6.0	6.0	6	-	-	-	-	-	-	-	-	-									
						1.0	0.4	351	29.7	8.0	8.0	21.5	21.5	88.6	6.0	6.0	6	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.8	0.3	312	29.2	7.9	7.9	25.9	25.9	70.1	70.2	4.7	9.7	6	-	-	-	-	-	-	-	-	-	-	-							
						3.8	0.3	329	29.2	7.9	7.9	25.9	25.9	70.3	70.2	4.7	9.7	7	-	-	-	-	-	-	-	-	-	-	-							
SR6	Misty	Calm	18:18	3.9	Surface	1.0	0.1	173	30.1	8.2	8.2	19.6	19.6	122.5	122.4	8.3	3.9	5	-	-	-	-	-	-	-	-										
						1.0	0.1	180	30.1	8.2	8.2	19.6	19.6	122.2	8.3	3.9	5	-	-	-	-	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	2.9	0.0	178	29.2	7.9	7.9	23.4	23.4	74.0	74.1	5.0	7.2	6	-	-	-	-	-	-	-	-	-	-								
						2.9	0.0	188	29.2	7.9	7.9	23.4	23.4	74.1	74.1	5.0	7.2	6	-	-	-	-	-	-	-	-	-	-								
SR7	Misty	Moderate	18:34	18.8	Surface	1.0	0.1	311	30.0	8.2	8.2	20.0	20.0	111.0	110.7	7.5	4.2	6	-	-	-	-	-	-	-	-										
						1.0	0.1	333	30.0	8.2	8.2	20.0	20.0	110.4	7.5	4.2	5	-	-	-	-	-	-	-	-	-										
					Middle	9.4	0.1	53	29.5	8.1	8.1	21.5	21.5	88.5	88.2	6.0	5.4	6	-	-	-	-	-	-	-	-	-									
						9.4	0.1	57	29.5	8.1	8.1	21.5	21.5	87.9	88.2	6.0	5.4	6	-	-	-	-	-	-	-	-	-									
					Bottom	17.8	0.1	72																												

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	10:57	8.9	Surface	1.0	0.5	228	29.1	8.1	8.1	25.6	25.6	93.3	93.3	6.2	5.1	2.9	11.0	3	4	78	85	815620	804258	<0.2	<0.2	1.6	1.4			
						1.0	0.5	229	29.1	8.1	8.1	25.6	25.6	93.3	93.3	6.2	5.1	2.9	11.0	3	4	80	85	<0.2	<0.2	1.4	1.4					
					Middle	4.5	0.5	220	28.3	28.3	8.0	8.0	32.1	32.1	60.1	60.1	3.9	4.3	10.7	11.0	2	4	88	85	<0.2	<0.2	1.4	1.4				
						4.5	0.6	239	28.3	28.3	8.0	8.0	32.1	32.1	60.1	60.1	3.9	4.3	10.7	11.0	3	4	84	85	<0.2	<0.2	1.4	1.4				
					Bottom	7.9	0.4	215	28.2	28.2	8.0	8.0	32.4	32.4	66.4	66.4	4.3	4.3	19.4	11.0	6	4	92	85	<0.2	<0.2	1.1	1.1				
						7.9	0.4	234	28.2	28.2	8.0	8.0	32.4	32.4	66.4	66.4	4.3	4.3	19.4	11.0	6	4	90	85	<0.2	<0.2	1.5	1.5				
C2	Cloudy	Moderate	12:17	10.5	Surface	1.0	1.0	166	29.0	7.8	7.8	19.7	19.7	88.5	88.3	6.1	5.3	3.3	5.7	4	5	82	86	825711	806922	<0.2	<0.2	2.6	2.6			
						1.0	1.0	172	29.0	7.8	7.8	19.7	19.7	88.1	88.3	6.1	5.3	3.4	5.7	4	5	83	86	<0.2	<0.2	2.6	2.6					
					Middle	5.3	0.5	167	27.7	27.7	7.8	7.8	27.6	27.6	65.5	65.4	4.4	4.4	5.5	5.7	4	5	85	86	<0.2	<0.2	2.6	2.6				
						5.3	0.6	171	27.7	27.7	7.8	7.8	27.7	27.6	65.2	65.4	4.4	4.4	5.8	5.7	5	5	86	86	<0.2	<0.2	2.6	2.6				
					Bottom	9.5	0.3	158	27.4	27.4	7.8	7.8	28.8	28.8	65.2	65.4	4.4	4.4	8.0	4.4	5	5	89	89	<0.2	<0.2	2.5	2.5				
						9.5	0.3	169	27.6	27.6	7.8	7.8	28.7	28.7	65.6	65.4	4.4	4.4	8.1	4.4	5	5	89	89	<0.2	<0.2	2.5	2.5				
C3	Cloudy	Moderate	10:19	11.7	Surface	1.0	0.3	114	28.1	28.1	7.8	7.8	24.9	24.9	88.4	88.4	6.0	5.6	4.1	6.9	4	5	85	88	822118	817783	<0.2	<0.2	1.6	1.6		
						1.0	0.3	122	28.1	28.1	7.8	7.8	24.9	24.9	88.4	88.4	6.0	5.6	4.1	6.9	4	5	85	88	<0.2	<0.2	1.5	1.5				
					Middle	5.9	0.3	100	27.7	27.7	7.8	7.8	27.5	27.5	75.3	75.3	5.1	4.6	3.7	4.6	6	5	84	88	<0.2	<0.2	1.6	1.6				
						5.9	0.3	102	27.7	27.7	7.8	7.8	27.5	27.5	75.2	75.3	5.1	4.6	3.7	4.6	6	5	84	88	<0.2	<0.2	1.6	1.6				
					Bottom	10.7	0.3	58	26.9	26.9	7.7	7.7	29.9	29.9	67.9	68.0	4.6	4.6	12.9	4.6	6	5	95	88	<0.2	<0.2	1.7	1.7				
						10.7	0.3	58	26.8	26.8	7.7	7.7	30.0	29.9	68.1	68.0	4.6	4.6	12.9	4.6	6	5	94	88	<0.2	<0.2	1.6	1.6				
IM1	Cloudy	Moderate	11:19	5.2	Surface	1.0	0.2	352	29.2	29.2	8.2	8.2	25.0	25.0	97.5	97.5	6.5	6.5	5.3	8.9	6	6	74	79	817932	807131	<0.2	<0.2	1.4	1.4		
						1.0	0.2	324	29.2	29.2	8.2	8.2	25.0	25.0	97.5	97.5	6.5	6.5	5.3	8.9	6	6	79	79	<0.2	<0.2	1.4	1.4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	79	-	-	<0.2	<0.2	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	79	-	-	<0.2	<0.2	-
					Bottom	4.2	0.0	12	28.7	28.7	8.0	8.0	30.2	30.2	73.0	73.0	4.8	4.8	12.4	4.8	7	6	80	88	<0.2	<0.2	1.4	1.4				
						4.2	0.0	12	28.7	28.7	8.0	8.0	30.2	30.2	73.0	73.0	4.8	4.8	12.4	4.8	6	6	83	88	<0.2	<0.2	1.4	1.4				
IM2	Cloudy	Moderate	11:26	7.4	Surface	1.0	0.6	197	29.0	29.0	8.1	8.1	26.8	26.8	81.2	81.2	5.4	4.8	3.7	6.1	5	6	84	88	818149	806175	<0.2	<0.2	1.7	1.6		
						1.0	0.6	206	29.0	29.0	8.1	8.1	26.8	26.8	81.2	81.2	5.4	4.8	3.7	6.1	5	6	86	88	<0.2	<0.2	1.6	1.6				
					Middle	3.7	0.5	197	28.6	28.6	8.0	8.0	30.7	30.7	64.4	64.4	4.2	4.4	6.3	4.4	5	6	87	88	<0.2	<0.2	1.2	1.2				
						3.7	0.5	214	28.6	28.6	8.0	8.0	30.7	30.7	64.4	64.4	4.2	4.4	6.3	4.4	5	6	88	88	<0.2	<0.2	1.2	1.2				
					Bottom	6.4	0.3	199	28.5	28.5	8.0	8.0	31.3	31.3	67.2	67.2	4.4	4.4	8.2	4.4	7	6	91	88	<0.2	<0.2	1.2	1.2				
						6.4	0.3	210	28.5	28.5	8.0	8.0	31.3	31.3	67.2	67.2	4.4	4.4	8.2	4.4	8	6	90	88	<0.2	<0.2	1.3	1.3				
IM3	Cloudy	Moderate	11:33	7.5	Surface	1.0	0.6	208	29.3	29.3	8.2	8.2	22.4	22.4	98.7	98.7	6.7	5.7	4.8	7.1	7	7	83	87	818770	805589	<0.2	<0.2	1.9	1.6		
						1.0	0.6	222	29.3	29.3	8.2	8.2	22.4	22.4	98.7	98.7	6.7	5.7	4.8	7.1	7	7	84	87	<0.2	<0.2	1.6	1.6				
					Middle	3.8	0.6	207	28.9	28.9	8.0	8.0	28.2	28.2	71.6	71.6	4.7	4.7	7.0	4.7	7	7	87	86	<0.2	<0.2	1.6	1.6				
						3.8	0.7	225	28.9	28.9	8.0	8.0	28.2	28.2	71.6	71.6	4.7	4.7	7.0	4.7	7	7	86	86	<0.2	<0.2	2.1	2.1				
					Bottom	6.5	0.4	207	28.5	28.5	8.0	8.0	31.3	31.3	66.2	66.2	4.3	4.3	9.6	4.3	7	6	90	86	<0.2	<0.2	1.6	1.6				
						6.5	0.4	219	28.5	28.5	8.0	8.0	31.3	31.3	66.2	66.2	4.3	4.3	9.6	4.3	7	6	89	86	<0.2	<0.2	1.5	1.5				
IM4	Cloudy	Moderate	11:43	7.5	Surface	1.0	0.6	200	29.4	29.4	8.2	8.2	19.1	19.1	90.1	90.1	6.2	5.3	6.5	14.9	4	5	82	86	819707	804605	<0.2	<0.2	2.1	1.9		
						1.0	0.6	214	29.4	29.4	8.2	8.2	19.1	19.1	90.1	90.1	6.2	5.3	6.5	14.9	4	5	82	86	<0.2	<0.2	1.9	1.9				
					Middle	3.8	0.6	200	28.6	28.6	8.0	8.0	30.0	30.0	65.0	65.0	4.3	4.3	18.0	4.3	4	5	84	86	<0.2	<0.2	1.6	1.6				
						3.8	0.6	208	28.6	28.6	8.0	8.0	30.0	30.0	65.0	65.0	4.3	4.3	18.0	4.3	4	5	86	86	<0.2	<0.2	1.9	1.9				
					Bottom	6.5	0.5	204	28.4	28.4	8.0	8.0	31.4	31.4	69.7	69.7	4.6	4.6	20.3	4.6	7	6	90	86	<0.2	<0.2	1.9	1.9				
						6.5	0.5	212	28.4	28.4	8.0	8.0	31.4	31.4	69.7	69.7	4.6	4.6	20.3	4.6	7	6	90	86	<0.2	<0.2	1.8	1.8				
IM5	Cloudy	Moderate	11:54	7.0	Surface	1.0	0.7	198	29.7	29.7	8.1	8.1	16.8	16.8	104.7	104.7	7.3	6.5	2.3	6.7	4	5	82	84	820734	804874	<0.2	<0.2	2.3	2.3		
						1.0	0.8	209	29.7	29.7	8.1	8.1	16.8	16.8	104.7	104.7	7.3	6.5	2.3	6.7	4	5	81	84	<0.2	<0.2	2.2	2.2				
					Middle	3.5	0.5	209	29.3	29.3	8.1	8.1	26.2	26.2	85.3	85.3	5.7	5.7	3.3	4.1	5	5	81	84	<0.2	<0.2	2.4	2.4				
						3.5	0.5	214	29.3	29.3	8.1	8.1	26.2	26.2	85.3	85.3	5.7	5.7	3.3	4.1	4	5	84	84	<0.2	<0.2	2.4	2.4				
					Bottom	6.0	0.4	210	28.6	28.6	8.0	8.0	30.8	30.8	62.1	62.1	4.1	4.1	14.6	4.1	6	6	88	84	<0.2	<0.2	1.7	1.7				
						6.0	0.4	227	28.6	28.6	8.0	8.0	30.8	30.8	62.1	62.1	4.1	4.1	14.6	4.1	6	6	90	84	<0.2	<0.2	1.8	1.8				
IM6	Cloudy	Moderate	12:02	6.9	Surface	1.0	0.4	198	29.3	29.3	8.1	8.1	23.1	23.1	93.8	93.8	6.3	5.6	2.5	6.4	4	5	82	86	821061	805855	<0.2	<0.2	2.3	2.3		
						1.0	0.5	212	29.3	29.3	8.1	8.1	23.1	23.1	93.8	93.8	6.3	5.6	2.5	6.4												

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	17:55	7.9	Surface	1.0	0.1	185	29.6	8.2	8.2	21.4	21.4	96.9	96.9	6.6	5.7	7.2	7	83	87	87	87	815593	804251	<0.2	1.7	1.8				
						1.0	0.1	186	29.6	8.2	8.2	21.4	21.4	96.9	96.9	6.6	5.7	7.2	6	82	86	86	86	87	87	<0.2	1.8					
					Middle	4.0	0.1	356	29.0	29.0	8.1	8.1	26.1	26.1	72.1	72.1	4.8	4.8	10.3	8	87	87	87	87	87	87	<0.2		1.9			
						4.0	0.1	328	29.0	29.0	8.1	8.1	26.1	26.1	72.1	72.1	4.8	4.8	10.3	8	87	87	87	87	87	87	<0.2		1.6			
					Bottom	6.9	0.1	166	28.4	28.4	8.0	8.0	31.2	31.2	66.3	66.3	4.3	4.3	16.3	4	90	88	88	88	88	88	<0.2		1.7			
						6.9	0.1	167	28.4	28.4	8.0	8.0	31.2	31.2	66.3	66.3	4.3	4.3	16.3	4	91	88	88	88	88	88	<0.2		1.7			
C2	Cloudy	Moderate	16:59	9.8	Surface	1.0	0.8	173	28.8	7.7	7.7	21.3	21.2	67.4	67.5	4.6	4.3	5.1	3	81	81	81	81	825708	806947	<0.2	2.5	2.5				
						1.0	0.8	186	28.8	7.7	7.7	21.2	21.2	67.5	67.5	4.6	4.3	5.1	2	82	85	85	85	85	85	<0.2	2.6					
					Middle	4.9	0.3	184	27.9	27.9	7.7	7.7	26.8	26.8	57.7	57.7	3.9	3.9	6.5	3	86	86	86	86	86	86	<0.2		2.2			
						4.9	0.3	202	27.9	27.9	7.7	7.7	26.8	26.8	57.7	57.7	3.9	3.9	6.5	3	88	88	88	88	88	88	<0.2		2.3			
					Bottom	8.8	0.1	351	27.8	27.8	7.7	7.7	27.2	27.2	57.5	57.5	3.9	3.9	6.5	4	88	88	88	88	88	88	<0.2		2.2			
						8.8	0.1	323	27.8	27.8	7.7	7.7	27.3	27.2	57.5	57.5	3.9	3.9	6.5	4	88	88	88	88	88	88	<0.2		2.3			
C3	Cloudy	Moderate	18:48	12.1	Surface	1.0	0.5	271	29.0	7.9	7.9	23.0	23.0	117.3	116.6	8.0	6.2	4.6	7	81	81	81	81	822123	817814	<0.2	1.5	1.2				
						1.0	0.5	283	28.9	29.0	7.9	7.9	23.0	23.0	115.9	116.6	7.9	6.2	4.6	8	82	85	85	85	85	85	<0.2		1.4			
					Middle	6.1	0.5	262	27.8	27.8	7.8	7.8	27.8	27.9	64.8	64.4	4.4	4.4	6.8	9	86	86	86	86	86	86	<0.2		1.0			
						6.1	0.5	265	27.7	27.8	7.8	7.8	27.9	27.9	64.0	64.4	4.3	4.3	7.2	10	90	90	90	90	90	90	<0.2		1.3			
					Bottom	11.1	0.3	280	27.6	27.6	7.8	7.8	28.3	28.3	60.3	60.3	4.1	4.1	8.6	11	87	87	87	87	87	87	<0.2		1.1			
						11.1	0.4	296	27.6	27.6	7.8	7.8	28.3	28.3	60.3	60.3	4.1	4.1	8.4	12	90	88	88	88	88	88	<0.2		1.1			
IM1	Cloudy	Moderate	17:38	4.1	Surface	1.0	0.2	41	29.3	29.3	8.2	8.2	25.8	25.8	88.8	88.8	5.9	5.9	10.2	14	83	83	83	83	817927	807156	<0.2	0.7	0.7			
						1.0	0.2	43	29.3	29.3	8.2	8.2	25.8	25.8	88.8	88.8	5.9	5.9	10.2	14	82	82	82	82	82	82	<0.2	0.9				
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
					Bottom	3.1	0.1	5	28.8	28.8	8.0	8.0	30.6	30.6	84.3	84.3	5.5	5.5	12.1	17	87	87	87	87	87	87	87	87		<0.2	0.5	
						3.1	0.1	5	28.8	28.8	8.0	8.0	30.6	30.6	84.3	84.3	5.5	5.5	12.1	16	88	88	88	88	88	88	88	88		<0.2	0.6	
IM2	Cloudy	Moderate	17:32	6.2	Surface	1.0	0.4	202	29.6	29.6	8.2	8.2	20.6	20.6	91.9	91.9	6.3	5.7	8.8	14	83	83	83	83	818166	806163	<0.2	0.9	0.8			
						1.0	0.4	221	29.6	29.6	8.2	8.2	20.6	20.6	91.9	91.9	6.3	5.7	8.8	15	82	87	87	87	87	87	<0.2	1.0				
					Middle	3.1	0.1	203	28.9	28.9	8.1	8.1	28.0	28.0	75.5	75.5	5.0	5.0	8.0	18	86	86	86	86	86	86	<0.2	0.7				
						3.1	0.1	204	28.9	28.9	8.1	8.1	28.0	28.0	75.5	75.5	5.0	5.0	8.0	19	89	89	89	89	89	89	<0.2	0.7				
					Bottom	5.2	0.1	130	28.8	28.8	8.1	8.1	28.7	28.7	76.1	76.1	5.0	5.0	7.8	20	88	88	88	88	88	88	<0.2	0.9				
						5.2	0.1	135	28.8	28.8	8.1	8.1	28.7	28.7	76.1	76.1	5.0	5.0	7.8	21	88	88	88	88	88	88	<0.2	0.9				
IM3	Cloudy	Moderate	17:26	6.4	Surface	1.0	0.5	232	29.7	29.7	8.1	8.1	18.0	18.0	96.8	96.8	6.7	6.2	8.3	15	82	82	82	82	818775	805581	<0.2	1.5	1.6			
						1.0	0.5	252	29.7	29.7	8.1	8.1	18.0	18.0	96.8	96.8	6.7	6.2	8.3	16	81	81	81	81	81	81	<0.2	1.6				
					Middle	3.2	0.2	226	29.2	29.2	8.1	8.1	24.4	24.4	83.2	83.2	5.6	5.6	11.4	15	83	83	83	83	83	83	<0.2	1.7				
						3.2	0.2	236	29.2	29.2	8.1	8.1	24.4	24.4	83.2	83.2	5.6	5.6	11.4	16	89	89	89	89	89	89	<0.2	1.7				
					Bottom	5.4	0.3	11	28.7	28.7	8.0	8.0	29.8	29.8	75.2	75.2	4.9	5.0	16.9	17	90	90	90	90	90	90	<0.2	1.8				
						5.4	0.3	12	28.7	28.7	8.0	8.0	29.8	29.8	76.1	76.1	5.0	5.0	16.7	17	90	82	82	82	82	82	<0.2	1.4				
IM4	Cloudy	Moderate	17:18	6.7	Surface	1.0	0.2	264	29.5	29.5	8.0	8.0	21.3	21.3	89.4	89.4	6.1	5.9	9.9	12	80	80	80	80	819737	804600	<0.2	1.6	1.5			
						1.0	0.2	286	29.5	29.5	8.0	8.0	21.3	21.3	89.4	89.4	6.1	5.9	9.9	13	82	82	82	82	82	82	<0.2	1.6				
					Middle	3.4	0.3	227	29.3	29.3	8.0	8.0	22.9	22.9	84.9	84.9	5.7	5.7	13.9	17	86	86	86	86	86	86	<0.2	1.4				
						3.4	0.4	235	29.3	29.3	8.0	8.0	22.9	22.9	84.9	84.9	5.7	5.7	13.9	16	91	91	91	91	91	91	<0.2	1.4				
					Bottom	5.7	0.3	226	29.2	29.2	8.0	8.0	23.6	23.6	83.3	83.3	5.6	5.6	17.1	21	87	87	87	87	87	87	<0.2	1.8				
						5.7	0.3	232	29.2	29.2	8.0	8.0	23.6	23.6	83.3	83.3	5.6	5.6	17.1	22	90	82	82	82	82	82	<0.2	1.8				
IM5	Cloudy	Moderate	17:11	6.2	Surface	1.0	0.5	228	29.5	29.5	8.0	8.0	20.8	20.8	86.6	86.6	5.9	5.8	13.7	14	82	82	82	82	820725	804849	<0.2	1.8	1.6			
						1.0	0.5	230	29.5	29.5	8.0	8.0	20.8	20.8	86.6	86.6	5.9	5.8	13.7	14	81	86	86	86	86	86	<0.2	1.3				
					Middle	3.1	0.5	248	29.3	29.3	8.0	8.0	22.8	22.8	83.6	83.6	5.6	5.6	19.7	15	87	87	87	87	87	87	<0.2	1.5				
						3.1	0.5	260	29.3	29.3	8.0	8.0	22.8	22.8	83.6	83.6	5.6	5.6	19.7	15	87	87	87	87	87	87	<0.2	1.7				
					Bottom	5.2	0.4	241	29.1	29.1	8.0	8.0	24.1	24.1	81.8	81.8	5.5	5.5	13.4	17	90	90	90	90	90	90	<0.2	2.0				
						5.2	0.4	260	29.1	29.1	8.0	8.0	24.1	24.1	81.8	81.8	5.5	5.5	13.4	17	90	82	82	82	82	82	<0.2	1.5				
IM6	Cloudy	Moderate	17:05	6.2	Surface	1.0	0.7	251	29.2	29.2	8.0	8.0	22.6	22.6	80.7	80.7	5.5	5.5	16.9	12	82	82	82	82	821048	805834	<0.2	1.5	1.7			
						1.0	0.7	268	29.2	29.2	8.0	8.0	22.6	22.6	80.7	80.7	5.5	5.5	16.9	12	80	82	82	82	82	82	<0.2	1.8				
					Middle	3.1	0.6	252	29.1	29.1	7.9	7.9	23.7	23.7	80.0	80.0	5.4	5.4	16.8	15</												

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	17:30	6.5	Surface	1.0	0.4	172	29.5	7.8	7.8	16.3	16.2	89.1	89.1	6.2	6.0	4.4	5.7	6	7	83	86	822110	808804	<0.2	<0.2	1.3	1.5							
						1.0	0.4	185	29.5	29.5	7.8	7.8	16.2	16.2	89.0	89.0	6.2	6.0	4.5	5.7	6	7	83	86	<0.2	<0.2	1.4	1.5								
					Middle	3.3	0.1	203	29.0	29.0	7.8	7.8	20.0	20.0	82.8	82.8	5.7	5.7	5.7	5.7	7	7	86	86	<0.2	<0.2	1.3	1.5								
						3.3	0.2	208	29.0	29.0	7.8	7.8	20.0	20.0	82.7	82.7	5.7	5.7	5.8	5.7	7	7	86	86	<0.2	<0.2	1.3	1.5								
					Bottom	5.5	0.2	232	28.5	28.5	7.8	7.8	24.0	24.0	72.4	72.5	4.9	4.9	6.9	6.9	7	7	89	89	<0.2	<0.2	1.3	1.5								
						5.5	0.2	245	28.5	28.5	7.8	7.8	24.0	24.0	72.5	72.5	4.9	4.9	7.0	7.0	8	8	89	89	<0.2	<0.2	1.3	1.7								
IM10	Cloudy	Moderate	17:40	7.1	Surface	1.0	0.1	179	29.2	7.8	7.8	19.5	19.5	89.1	89.0	6.1	5.8	4.3	5.3	5	6	83	86	822389	809792	<0.2	<0.2	1.6	1.8							
						1.0	0.2	194	29.1	29.2	7.8	7.8	19.5	19.5	88.9	89.0	6.1	5.8	4.3	5.3	6	6	84	85	<0.2	<0.2	1.7	1.6								
					Middle	3.6	0.1	78	28.9	28.9	7.8	7.8	21.6	21.6	80.9	80.9	5.5	5.1	4.9	5.1	6	6	85	85	<0.2	<0.2	1.9	1.9								
						3.6	0.1	83	28.8	28.8	7.8	7.8	21.6	21.6	80.9	80.9	5.5	5.1	4.9	5.1	5	5	85	85	<0.2	<0.2	1.9	1.9								
					Bottom	6.1	0.1	207	28.5	28.5	7.8	7.8	24.2	24.2	71.7	71.6	4.9	4.9	6.6	6.6	6	6	89	90	<0.2	<0.2	1.9	2.1								
						6.1	0.1	224	28.5	28.5	7.8	7.8	24.2	24.2	71.6	71.7	4.9	4.9	6.6	6.6	6	6	90	90	<0.2	<0.2	1.9	2.1								
IM11	Cloudy	Moderate	17:54	6.4	Surface	1.0	0.1	72	29.1	29.1	7.8	7.8	20.5	20.6	90.4	90.3	6.2	5.8	5.4	7.1	5	6	84	86	822085	811475	<0.2	<0.2	1.5	1.6						
						1.0	0.1	73	29.1	29.1	7.8	7.8	20.6	20.6	90.1	90.3	6.2	5.8	5.5	7.1	6	6	85	86	<0.2	<0.2	1.4	1.6								
					Middle	3.2	0.1	357	28.8	28.8	7.8	7.8	22.3	22.3	78.2	78.1	5.3	5.3	7.4	7.4	6	6	86	86	<0.2	<0.2	1.8	1.8								
						3.2	0.1	328	28.8	28.8	7.8	7.8	22.3	22.3	77.9	78.1	5.3	5.3	7.5	7.5	6	6	86	86	<0.2	<0.2	1.6	1.6								
					Bottom	5.4	0.2	298	28.7	28.7	7.8	7.8	24.6	24.6	70.5	70.7	4.8	4.8	8.5	8.5	7	7	90	90	<0.2	<0.2	1.6	1.6								
						5.4	0.3	298	28.7	28.7	7.8	7.8	24.6	24.6	70.8	70.7	4.8	4.8	8.6	8.6	7	7	90	90	<0.2	<0.2	1.4	1.4								
IM12	Cloudy	Moderate	18:01	9.4	Surface	1.0	0.1	23	29.2	29.2	7.8	7.8	19.7	19.7	95.2	93.4	6.6	5.5	4.6	7.0	8	9	82	85	821455	812062	<0.2	<0.2	1.8	1.5						
						1.0	0.1	25	29.1	29.2	7.8	7.8	19.7	19.7	91.6	93.4	6.3	5.5	4.8	7.0	8	8	83	84	<0.2	<0.2	1.6	1.3								
					Middle	4.7	0.1	282	28.5	28.5	7.8	7.8	25.8	25.8	66.7	66.7	4.5	4.5	7.0	7.1	7	7	84	85	<0.2	<0.2	1.3	1.3								
						4.7	0.1	298	28.5	28.5	7.8	7.8	25.8	25.8	66.7	66.7	4.5	4.5	7.1	7.1	8	8	85	85	<0.2	<0.2	1.3	1.3								
					Bottom	8.4	0.2	259	28.5	28.5	7.8	7.8	25.8	25.9	66.8	66.8	4.5	4.5	9.4	9.4	10	10	88	89	<0.2	<0.2	1.5	1.3								
						8.4	0.2	277	28.5	28.5	7.8	7.8	25.9	25.9	66.8	66.8	4.5	4.5	9.4	9.4	10	10	89	89	<0.2	<0.2	1.3	1.3								
SR2	Cloudy	Moderate	18:20	4.1	Surface	1.0	0.2	329	29.5	29.5	7.8	7.8	19.1	19.1	108.7	108.5	7.5	7.5	4.4	4.4	8	8	82	82	821434	814185	<0.2	<0.2	1.1	1.3						
						1.0	0.2	357	29.5	29.5	7.8	7.8	19.1	19.1	108.3	108.3	7.4	7.4	4.4	4.4	8	8	82	82	<0.2	<0.2	1.3	1.3								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.1	0.4	329	28.7	28.7	7.8	7.8	23.6	23.6	89.0	89.3	6.0	6.1	8.2	8.2	10	10	86	86	<0.2	<0.2	1.2	1.4								
						3.1	0.4	303	28.7	28.7	7.8	7.8	23.6	23.6	89.6	89.3	6.1	6.1	8.2	8.2	11	11	86	86	<0.2	<0.2	1.2	1.4								
SR3	Cloudy	Moderate	17:15	8.0	Surface	1.0	0.7	184	29.0	29.0	7.8	7.8	18.6	18.6	80.5	80.5	5.6	5.2	4.5	4.9	7	7	-	-	822148	807565	-	-	-	-						
						1.0	0.8	184	29.0	29.0	7.8	7.8	18.6	18.6	80.4	80.5	5.6	5.2	4.4	4.9	7	7	-	-	-	-	-	-	-	-						
					Middle	4.0	0.5	203	28.4	28.4	7.8	7.8	24.3	24.3	69.5	69.6	4.7	4.7	4.6	4.7	6	6	-	-	-	-	-	-	-	-	-					
						4.0	0.5	222	28.4	28.4	7.8	7.8	24.3	24.3	69.6	69.6	4.7	4.7	4.7	4.7	6	6	-	-	-	-	-	-	-	-	-					
					Bottom	7.0	0.4	242	28.4	28.4	7.8	7.8	24.4	24.4	69.7	69.7	4.7	4.7	5.6	5.6	8	8	-	-	-	-	-	-	-	-	-					
						7.0	0.4	255	28.4	28.4	7.8	7.8	24.4	24.4	69.7	69.7	4.7	4.7	5.6	5.6	8	8	-	-	-	-	-	-	-	-	-					
SR4A	Cloudy	Moderate	18:15	8.7	Surface	1.0	0.5	256	29.7	29.7	8.2	8.2	24.6	24.6	103.0	103.0	6.8	6.1	10.2	15.2	11	14	-	-	817163	807833	-	-	-	-						
						1.0	0.5	272	29.7	29.7	8.2	8.2	24.6	24.6	103.0	103.0	6.8	6.1	10.2	15.2	12	14	-	-	-	-	-	-	-							
					Middle	4.4	0.5	242	29.3	29.3	8.1	8.1	26.6	26.6	79.9	79.9	5.3	5.3	14.1	14.1	15	15	-	-	-	-	-	-	-	-						
						4.4	0.5	257	29.3	29.3	8.1	8.1	26.6	26.6	79.9	79.9	5.3	5.3	14.1	14.1	15	15	-	-	-	-	-	-	-	-						
					Bottom	7.7	0.3	254	28.9	28.9	8.0	8.0	28.9	28.9	74.8	74.8	4.9	4.9	21.4	21.4	16	16	-	-	-	-	-	-	-	-						
						7.7	0.3	276	28.9	28.9	8.0	8.0	28.9	28.9	74.8	74.8	4.9	4.9	21.4	21.4	16	16	-	-	-	-	-	-	-	-						
SR5A	Cloudy	Calm	18:32	4.7	Surface	1.0	0.4	313	29.4	29.4	8.1	8.1	25.9	25.9	103.5	103.5	6.9	6.9	9.9	9.7	12	13	-	-	816589	810671	-	-	-	-						
						1.0	0.4	316	29.4	29.4	8.1	8.1	25.9	25.9	103.5	103.5	6.9	6.9	9.9	9.7	13	13	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.7	0.3	312	29.4	29.4	8.1	8.1	25.7	25.7	111.5	111.5	7.4	7.4	9.5	9.5	14	14	-	-	-	-	-	-	-							
						3.7	0.4	320	29.4	29.4	8.1	8.1	25.7	25.7	111.5	111.5	7.4	7.4	9.5	9.5	13	13	-	-	-	-	-	-	-							
SR6	Cloudy	Calm	18:56	5.4	Surface	1.0	0.1	207	29.4	29.4	8.3	8.3	23.5	23.5	113.1	113.1	7.6	7.6	15.6	16.6	16	17	-	-	817886	814688	-	-	-	-						
						1.0	0.1	217	29.4	29.4	8.3	8.3	23.5	23.5	113.1	113.1	7.6	7.6	15.6	16.6	17	17	-	-	-	-	-	-								
					Middle																															

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	12:13	9.0	Surface	1.0	0.5	226	29.8	8.1	8.1	23.4	22.9	102.2	102.0	6.8	6.0	3.4	5.8	6	6	81	86	815637	804243	<0.2	<0.2	1.7	1.9					
						1.0	0.5	243	29.8	8.1	8.1	22.3	22.9	101.8	102.0	6.8	6.0	3.4	5.8	5	6	81	86	815637	804243	<0.2	<0.2	1.8	1.9					
					Middle	4.5	0.5	233	28.4	28.4	8.1	8.1	28.9	28.8	78.7	78.6	5.2	5.8	5.5	5.8	6	6	85	87	815637	804243	<0.2	<0.2	1.8	1.9				
						4.5	0.5	242	28.4	28.4	8.1	8.1	28.7	28.8	78.5	78.6	5.2	5.8	5.8	5.8	6	6	85	87	815637	804243	<0.2	<0.2	1.9	1.9				
					Bottom	8.0	0.5	217	27.4	27.4	8.0	8.0	33.4	33.4	62.1	63.0	4.1	4.2	8.5	8.1	5	6	92	91	815637	804243	<0.2	<0.2	1.4	1.8				
						8.0	0.5	228	27.4	27.4	8.0	8.0	33.4	33.4	63.9	63.0	4.2	4.2	8.1	8.1	6	6	91	91	815637	804243	<0.2	<0.2	1.8	1.8				
C2	Cloudy	Moderate	10:56	11.4	Surface	1.0	1.3	187	29.6	8.3	8.3	23.7	23.7	88.4	88.2	5.9	5.3	9.7	14.1	5	6	82	86	825671	806963	<0.2	<0.2	1.9	1.9					
						1.0	1.3	194	29.6	29.6	8.3	8.3	23.7	23.7	87.9	88.2	5.9	5.3	9.8	14.1	5	6	83	86	825671	806963	<0.2	<0.2	1.8	1.9				
					Middle	5.7	1.2	191	28.7	28.7	8.2	8.2	28.7	28.7	69.8	69.8	4.6	4.6	15.6	15.6	6	6	85	86	825671	806963	<0.2	<0.2	2.0	1.8				
						5.7	1.2	199	28.7	28.7	8.2	8.2	28.7	28.7	69.8	69.8	4.6	4.6	15.6	15.6	5	6	86	86	825671	806963	<0.2	<0.2	1.8	1.8				
					Bottom	10.4	0.5	180	28.5	28.5	8.2	8.2	30.4	30.4	76.5	76.8	5.0	5.0	17.0	17.0	7	7	89	89	825671	806963	<0.2	<0.2	2.0	1.9				
						10.4	0.5	196	28.5	28.5	8.2	8.2	30.4	30.4	77.0	76.8	5.0	5.0	16.8	16.8	7	7	89	89	825671	806963	<0.2	<0.2	1.9	1.9				
C3	Cloudy	Moderate	12:40	11.2	Surface	1.0	0.5	121	29.5	29.5	8.2	8.2	25.1	25.4	82.7	82.6	5.5	4.7	11.9	15.6	6	9	82	85	822127	817809	<0.2	<0.2	1.9	1.8				
						1.0	0.6	128	29.5	29.5	8.2	8.2	25.8	25.4	82.4	82.6	5.5	4.7	11.9	15.6	6	9	82	84	822127	817809	<0.2	<0.2	1.8	1.8				
					Middle	5.6	0.2	117	28.0	28.0	8.2	8.2	32.4	32.4	59.7	59.8	3.9	4.6	14.3	14.3	8	8	84	88	822127	817809	<0.2	<0.2	1.7	1.8				
						5.6	0.3	117	28.0	28.0	8.2	8.2	32.4	32.4	59.8	59.8	3.9	4.6	14.4	14.4	8	8	84	88	822127	817809	<0.2	<0.2	1.9	1.8				
					Bottom	10.2	0.4	69	28.0	28.0	8.1	8.1	32.5	32.5	69.9	70.2	4.6	4.6	20.5	20.6	12	12	88	89	822127	817809	<0.2	<0.2	1.8	1.8				
						10.2	0.4	72	28.0	28.0	8.1	8.1	32.5	32.5	70.5	70.2	4.6	4.6	20.6	20.6	12	12	88	89	822127	817809	<0.2	<0.2	1.8	1.8				
IM1	Cloudy	Moderate	11:53	5.5	Surface	1.0	0.1	189	29.4	29.4	8.1	8.1	26.7	26.6	89.8	89.8	5.9	5.9	7.8	9.6	7	7	74	79	817957	807114	<0.2	<0.2	1.8	1.8				
						1.0	0.1	196	29.5	29.5	8.1	8.1	26.5	26.6	89.8	89.8	5.9	5.9	7.7	9.6	6	7	75	75	817957	807114	<0.2	<0.2	1.7	1.7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.5	0.1	170	28.0	28.0	8.0	8.0	31.3	31.3	75.6	75.9	5.0	5.0	11.5	11.5	8	9	80	86	817957	807114	<0.2	<0.2	1.8	1.8				
						4.5	0.1	177	28.0	28.0	8.0	8.0	31.3	31.3	76.1	75.9	5.0	5.0	11.5	11.5	9	9	86	86	817957	807114	<0.2	<0.2	1.8	1.8				
IM2	Cloudy	Moderate	11:44	7.5	Surface	1.0	0.5	196	28.8	28.8	8.1	8.1	28.3	28.3	81.4	81.5	5.4	4.8	8.3	9.8	8	8	85	88	818160	806136	<0.2	<0.2	1.9	1.8				
						1.0	0.5	210	28.8	28.8	8.1	8.1	28.2	28.3	81.5	81.5	5.4	4.8	8.3	9.8	8	8	87	87	818160	806136	<0.2	<0.2	1.8	1.8				
					Middle	3.8	0.3	184	28.0	28.0	8.0	8.0	31.5	31.5	62.0	62.2	4.1	4.1	10.5	10.5	8	8	87	88	818160	806136	<0.2	<0.2	1.8	1.8				
						3.8	0.3	186	28.0	28.0	8.0	8.0	31.5	31.5	62.3	62.2	4.1	4.1	10.5	10.5	8	8	87	88	818160	806136	<0.2	<0.2	1.7	1.8				
					Bottom	6.5	0.2	161	27.8	27.8	8.0	8.0	32.2	32.2	69.7	70.2	4.6	4.6	10.6	10.6	8	8	90	91	818160	806136	<0.2	<0.2	1.8	1.8				
						6.5	0.2	170	27.8	27.8	8.0	8.0	32.2	32.2	70.6	70.2	4.6	4.6	10.6	10.6	8	8	91	91	818160	806136	<0.2	<0.2	1.7	1.7				
IM3	Cloudy	Moderate	11:36	7.8	Surface	1.0	0.4	201	29.8	29.8	8.2	8.2	23.8	23.8	101.9	101.8	6.8	5.6	4.7	10.6	6	7	83	87	818801	805587	<0.2	<0.2	1.6	1.8				
						1.0	0.4	206	29.8	29.8	8.2	8.2	23.8	23.8	101.7	101.8	6.8	5.6	4.7	10.6	6	7	84	86	818801	805587	<0.2	<0.2	1.8	1.8				
					Middle	3.9	0.3	190	28.3	28.3	8.0	8.0	29.8	29.8	67.0	67.0	4.4	4.4	11.4	11.4	7	7	86	87	818801	805587	<0.2	<0.2	1.8	1.8				
						3.9	0.3	204	28.3	28.3	8.0	8.0	29.8	29.8	67.0	67.0	4.4	4.4	11.5	11.5	7	7	87	87	818801	805587	<0.2	<0.2	1.8	1.8				
					Bottom	6.8	0.2	147	27.8	27.8	8.0	8.0	32.1	32.1	68.8	69.0	4.5	4.5	15.7	15.7	8	8	89	90	818801	805587	<0.2	<0.2	1.8	1.8				
						6.8	0.2	159	27.8	27.8	8.0	8.0	32.1	32.1	69.2	69.0	4.5	4.5	15.6	15.6	8	8	90	90	818801	805587	<0.2	<0.2	1.8	1.8				
IM4	Cloudy	Moderate	11:26	7.9	Surface	1.0	0.3	201	29.3	29.3	8.1	8.1	22.3	22.3	91.1	91.1	6.2	5.2	5.0	14.1	8	9	82	86	819711	804590	<0.2	<0.2	1.7	1.8				
						1.0	0.4	201	29.3	29.3	8.1	8.1	22.3	22.3	91.1	91.1	6.2	5.2	5.0	14.1	8	9	82	85	819711	804590	<0.2	<0.2	2.0	1.8				
					Middle	4.0	0.3	177	28.1	28.1	8.0	8.0	31.1	31.1	62.9	63.0	4.1	4.1	17.2	17.2	9	9	85	87	819711	804590	<0.2	<0.2	1.8	1.7				
						4.0	0.3	189	28.1	28.1	8.0	8.0	31.1	31.1	63.0	63.0	4.1	4.1	17.4	17.4	9	9	87	87	819711	804590	<0.2	<0.2	1.7	1.7				
					Bottom	6.9	0.2	175	28.0	28.0	8.0	8.0	31.5	31.4	68.5	68.7	4.5	4.5	20.1	20.1	10	10	90	90	819711	804590	<0.2	<0.2	1.8	1.8				
						6.9	0.2	188	28.0	28.0	8.0	8.0	31.4	31.4	68.9	68.7	4.5	4.5	20.1	20.1	10	10	90	90	819711	804590	<0.2	<0.2	1.8	1.8				
IM5	Cloudy	Moderate	11:16	7.4	Surface	1.0	0.2	204	29.6	29.6	8.1	8.1	20.6	20.6	93.2	93.1	6.3	5.3	3.7	12.0	6	8	82	85	820739	804850	<0.2	<0.2	1.7	1.7				
						1.0	0.3	212	29.6	29.6	8.1	8.1	20.7	20.6	92.9	93.1	6.3	5.3	3.8	12.0	6	8	82	84	820739	804850	<0.2	<0.2	1.6	1.7				
					Middle	3.7	0.2	187	28.3	28.2	8.0	8.0	29.9	29.9	65.1	65.2	4.3	4.3	13.9	14.2	7	7	84	84	820739	804850	<0.2	<0.2	1.8	1.7				
						3.7	0.2	202	28.2	28.2	8.0	8.0	29.9	29.9																				

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	11:30	7.4	Surface	1.0	0.4	158	29.4	8.2	8.2	22.9	23.0	90.2	90.2	6.1	5.1	10.6	6	82	6	82	82	82	82	822107	808836	<0.2	1.7	<0.2	1.8			
						1.0	0.4	165	29.4	8.2	8.2	23.0	23.0	6.1	5.1	10.7	6	83	6	83	83	83	83	83	83	83	83	822107	808836	<0.2	1.8	<0.2	1.8	
					Middle	3.7	0.3	176	28.3	28.3	8.1	8.1	31.4	31.4	60.3	60.4	4.0	4.0	15.4	7	85	7	85	85	85	85	85	822107	808836	<0.2	1.8	<0.2	1.8	
						3.7	0.4	185	28.3	28.3	8.1	8.1	31.4	31.4	60.4	60.4	4.0	4.0	15.5	8	85	8	85	85	85	85	85	822107	808836	<0.2	1.7	<0.2	1.8	
					Bottom	6.4	0.2	162	28.3	28.3	8.1	8.1	31.5	31.5	66.6	66.8	4.4	4.4	21.2	9	90	9	90	90	90	90	90	90	822107	808836	<0.2	1.8	<0.2	1.8
						6.4	0.3	172	28.3	28.3	8.1	8.1	31.5	31.5	66.9	66.8	4.4	4.4	21.3	10	90	10	90	90	90	90	90	90	822107	808836	<0.2	1.7	<0.2	1.8
IM10	Cloudy	Moderate	11:41	7.3	Surface	1.0	0.8	150	29.9	8.3	8.3	24.0	24.0	99.4	99.3	6.6	5.8	9.6	7	84	7	84	84	84	84	822385	809775	<0.2	1.6	<0.2	1.9			
						1.0	0.8	163	29.9	8.3	8.3	24.0	24.0	99.2	99.3	6.6	5.8	9.6	7	85	7	85	85	85	85	85	822385	809775	<0.2	1.8	<0.2	1.9		
					Middle	3.7	0.5	141	28.7	28.7	8.2	8.2	29.5	29.5	76.3	76.5	5.0	5.0	13.0	8	86	8	86	86	86	86	86	822385	809775	<0.2	1.8	<0.2	1.8	
						3.7	0.5	155	28.7	28.7	8.2	8.2	29.5	29.5	76.6	76.5	5.0	5.0	12.9	8	87	8	87	87	87	87	87	822385	809775	<0.2	1.8	<0.2	1.8	
					Bottom	6.3	0.5	135	28.2	28.2	8.1	8.1	31.8	31.8	65.8	66.0	4.3	4.3	17.4	10	89	10	89	89	89	89	89	89	822385	809775	<0.2	1.8	<0.2	1.8
						6.3	0.5	144	28.2	28.2	8.1	8.1	31.8	31.8	66.2	66.0	4.3	4.3	17.4	11	90	11	90	90	90	90	90	90	822385	809775	<0.2	1.8	<0.2	1.8
IM11	Cloudy	Moderate	11:56	8.3	Surface	1.0	0.8	137	29.1	29.1	8.3	8.3	27.7	27.7	84.5	84.5	5.6	4.8	11.7	8	83	8	83	83	83	822061	811441	<0.2	1.8	<0.2	1.9			
						1.0	0.9	140	29.1	29.1	8.3	8.3	27.7	27.7	84.4	84.5	5.6	4.8	11.6	8	83	8	83	83	83	83	822061	811441	<0.2	1.9	<0.2	1.9		
					Middle	4.2	0.7	120	28.3	28.3	8.1	8.1	31.2	31.2	59.8	59.8	3.9	3.9	14.2	10	85	10	85	85	85	85	822061	811441	<0.2	1.9	<0.2	1.9		
						4.2	0.7	124	28.3	28.3	8.1	8.1	31.2	31.2	59.8	59.8	3.9	3.9	14.2	10	85	10	85	85	85	85	822061	811441	<0.2	1.9	<0.2	1.9		
					Bottom	7.3	0.5	127	28.1	28.1	8.1	8.1	32.2	32.2	61.1	61.2	4.0	4.0	14.6	11	90	11	90	90	90	90	90	822061	811441	<0.2	1.7	<0.2	1.8	
						7.3	0.6	131	28.1	28.1	8.1	8.1	32.2	32.2	61.2	61.2	4.0	4.0	14.5	11	90	11	90	90	90	90	90	822061	811441	<0.2	1.8	<0.2	1.8	
IM12	Cloudy	Moderate	12:01	9.1	Surface	1.0	0.5	123	29.9	29.9	8.3	8.3	23.3	23.2	93.9	93.9	6.3	5.1	10.3	6	82	6	82	82	82	821460	812068	<0.2	1.7	<0.2	1.8			
						1.0	0.5	123	30.0	29.9	8.3	8.3	23.2	23.2	93.9	93.9	6.3	5.1	10.2	7	82	7	82	82	82	82	821460	812068	<0.2	1.8	<0.2	1.8		
					Middle	4.6	0.7	119	28.3	28.3	8.1	8.1	31.2	31.2	59.6	59.6	3.9	3.9	17.9	8	85	8	85	85	85	85	821460	812068	<0.2	1.8	<0.2	1.8		
						4.6	0.8	128	28.3	28.3	8.1	8.1	31.2	31.2	59.5	59.6	3.9	3.9	17.9	8	86	8	86	86	86	86	86	821460	812068	<0.2	1.8	<0.2	1.8	
					Bottom	8.1	0.5	114	28.2	28.2	8.1	8.1	32.0	32.0	65.3	65.5	4.3	4.3	21.6	9	90	9	90	90	90	90	90	821460	812068	<0.2	1.9	<0.2	1.9	
						8.1	0.5	115	28.2	28.2	8.1	8.1	32.0	32.0	65.6	65.5	4.3	4.3	21.5	8	90	8	90	90	90	90	90	821460	812068	<0.2	1.8	<0.2	1.8	
SR2	Cloudy	Moderate	12:22	3.8	Surface	1.0	0.6	118	29.8	29.8	8.3	8.3	24.6	24.4	96.7	96.7	6.4	6.4	8.7	9	81	9	81	81	81	821437	814191	<0.2	1.9	<0.2	2.0			
						1.0	0.6	122	29.8	29.8	8.3	8.3	24.2	24.4	96.6	96.7	6.4	6.4	8.7	9	81	9	81	81	81	81	821437	814191	<0.2	2.0	<0.2	2.0		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821437	814191	<0.2	-	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821437	814191	<0.2	-	<0.2	-
					Bottom	2.8	0.5	110	29.1	29.1	8.3	8.3	27.4	27.4	91.6	91.7	6.1	6.1	10.0	6.1	10.0	10	84	10	84	84	84	821437	814191	<0.2	1.8	<0.2	1.8	
						2.8	0.5	115	29.1	29.1	8.3	8.3	27.4	27.4	91.7	91.7	6.1	6.1	10.0	6.1	10.0	10	85	10	85	85	85	821437	814191	<0.2	1.8	<0.2	1.8	
SR3	Cloudy	Moderate	11:13	9.2	Surface	1.0	0.8	185	29.8	29.8	8.2	8.2	21.5	21.7	97.4	97.3	6.6	6.2	8.3	5	-	5	-	-	-	822175	807579	-	-	-	-			
						1.0	0.8	191	29.8	29.8	8.2	8.2	21.9	21.9	97.1	97.3	6.5	6.2	8.4	5	-	5	-	-	-	-	-	822175	807579	-	-	-	-	
					Middle	4.6	0.7	182	29.3	29.3	8.2	8.2	25.6	25.6	87.0	86.9	5.8	5.8	10.6	6	-	6	-	-	-	-	-	822175	807579	-	-	-	-	
						4.6	0.7	196	29.3	29.3	8.2	8.2	25.6	25.6	86.7	86.9	5.8	5.8	10.6	6	-	6	-	-	-	-	-	822175	807579	-	-	-	-	
					Bottom	8.2	0.5	197	28.5	28.5	8.0	8.0	30.7	30.7	82.7	83.1	5.4	5.5	17.5	6	-	6	-	-	-	-	-	-	822175	807579	-	-	-	-
						8.2	0.5	199	28.5	28.5	8.0	8.0	30.7	30.7	83.5	83.5	5.5	5.5	17.6	6	-	6	-	-	-	-	-	-	822175	807579	-	-	-	-
SR4A	Cloudy	Calm	12:37	8.9	Surface	1.0	0.1	74	29.7	29.7	8.1	8.1	23.9	23.9	94.8	94.7	6.3	5.0	8.1	5	-	5	-	-	-	817194	807833	-	-	-	-			
						1.0	0.1	80	29.7	29.7	8.1	8.1	23.9	23.9	94.5	94.7	6.3	5.0	8.2	4	-	4	-	-	-	-	-	817194	807833	-	-	-	-	
					Middle	4.5	0.2	66	27.7	27.7	8.0	8.0	32.4	32.4	56.9	57.0	3.7	3.7	11.0	7	-	7	-	-	-	-	-	817194	807833	-	-	-	-	
						4.5	0.2	70	27.7	27.7	8.0	8.0	32.4	32.4	57.0	57.0	3.8	3.8	11.1	7	-	7	-	-	-	-	-	817194	807833	-	-	-	-	
					Bottom	7.9	0.1	74	27.7	27.7	8.0	8.0	32.5	32.5	61.5	61.6	4.0	4.1	16.2	10	-	10	-	-	-	-	-	-	817194	807833	-	-	-	-
						7.9	0.1	75	27.7	27.7	8.0	8.0	32.5	32.5	61.7	61.7	4.1	4.1	16.3	10	-	10	-	-	-	-	-	-	817194	807833	-	-	-	-
SR5A	Cloudy	Calm	12:57	5.3	Surface	1.0	0.1	321	29.9	29.9	8.3	8.3	24.3	24.3	106.3	105.9	7.0	7.0	4.8	7.0	6	8	6	8	8	816580	810682	-	-	-	-			
						1.0	0.1	322	29.9	29.9	8.3	8.3	24.3	24.3	105.4	105.9	7.0	7.0	4.9	7.0	6	8	6	8	6	8	816580	8106						

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Cloudy	Calm	19:57	9.1	Surface	1.0	0.5	39	29.2	8.1	8.1	20.7	20.7	88.5	88.4	6.1	5.1	5.2	9	83	87	815625	804274	<0.2	<0.2	1.8	1.8						
						1.0	0.5	40	29.2	8.1	8.1	20.7	20.7	88.3	88.4	6.0	5.1	5.3	9	84	87	815625	804274	<0.2	<0.2	1.8	1.8						
						4.6	0.5	41	28.1	8.0	8.0	30.4	30.7	62.7	62.7	4.1	26.9	26.3	10	86	87	815625	804274	<0.2	<0.2	1.7	1.7						
					Middle	4.6	0.5	42	28.1	8.0	8.0	31.0	30.7	62.6	62.7	4.1	26.9	26.3	10	86	87	815625	804274	<0.2	<0.2	1.7	1.7						
						8.1	0.3	39	27.7	8.0	8.0	32.4	32.4	63.8	63.8	4.2	46.6	46.6	10	90	90	815625	804274	<0.2	<0.2	2.0	2.0						
						8.1	0.3	40	27.7	8.0	8.0	32.4	32.4	64.1	64.0	4.2	46.6	46.6	11	90	90	815625	804274	<0.2	<0.2	1.8	1.8						
C2	Cloudy	Moderate	21:20	11.9	Surface	1.0	0.5	89	29.4	8.2	8.2	19.1	19.1	71.6	71.3	4.9	4.6	12.2	8	83	86	825699	806954	<0.2	<0.2	1.8	1.9						
						1.0	0.6	94	29.4	8.2	8.2	19.1	19.1	71.0	71.3	4.9	4.6	12.3	8	83	86	825699	806954	<0.2	<0.2	1.9	1.9						
						6.0	0.2	190	28.3	8.1	8.1	31.4	31.4	65.2	65.3	4.3	17.0	17.0	9	86	87	825699	806954	<0.2	<0.2	2.0	2.0						
					Middle	6.0	0.3	198	28.3	8.1	8.1	31.4	31.4	65.3	65.3	4.3	16.7	16.7	10	87	87	825699	806954	<0.2	<0.2	1.8	1.8						
						10.9	0.8	125	28.3	8.0	8.0	31.5	31.5	75.8	76.1	5.0	16.5	16.5	11	89	89	825699	806954	<0.2	<0.2	1.9	1.9						
						10.9	0.8	129	28.3	8.0	8.0	31.5	31.5	76.3	76.1	5.0	16.7	16.7	11	90	90	825699	806954	<0.2	<0.2	2.1	2.1						
C3	Cloudy	Moderate	18:21	11.6	Surface	1.0	0.5	244	29.3	8.2	8.2	23.1	23.1	92.4	92.4	6.2	6.1	8.1	7	85	89	822105	817810	<0.2	<0.2	1.8	1.8						
						1.0	0.5	266	29.3	8.2	8.2	23.1	23.1	92.4	92.4	6.2	6.1	8.2	6	86	89	822105	817810	<0.2	<0.2	1.9	1.9						
						5.8	0.6	269	29.3	8.2	8.2	24.2	24.2	90.3	90.3	6.1	9.7	9.7	7	89	89	822105	817810	<0.2	<0.2	1.8	1.8						
					Middle	5.8	0.6	292	29.3	8.2	8.2	24.2	24.2	90.2	90.3	6.0	9.7	9.7	8	90	89	822105	817810	<0.2	<0.2	1.8	1.8						
						10.6	0.4	280	29.1	8.1	8.1	25.2	25.2	90.4	90.5	6.0	12.0	12.0	7	92	92	822105	817810	<0.2	<0.2	1.8	1.8						
						10.6	0.5	303	29.2	8.1	8.1	25.2	25.2	90.5	90.5	6.0	12.0	12.0	8	92	92	822105	817810	<0.2	<0.2	1.7	1.7						
IM1	Cloudy	Calm	20:05	5.9	Surface	1.0	0.1	219	29.2	8.0	8.0	20.2	20.2	85.6	85.6	5.9	5.9	3.6	5	83	86	817923	807125	<0.2	<0.2	1.7	1.7						
						1.0	0.1	223	29.2	8.0	8.0	20.2	20.2	85.5	85.6	5.9	5.9	3.6	5	83	86	817923	807125	<0.2	<0.2	1.7	1.7						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.9	0.1	41	28.6	8.0	8.0	26.9	26.9	83.6	83.7	5.6	5.0	5.0	6	87	87	817923	807125	<0.2	<0.2	1.5	1.5						
						4.9	0.1	44	28.6	8.0	8.0	26.9	26.9	83.8	83.7	5.6	5.0	5.0	7	89	89	817923	807125	<0.2	<0.2	1.7	1.7						
IM2	Cloudy	Calm	20:14	8.3	Surface	1.0	0.2	268	29.2	8.0	8.0	20.3	20.3	80.9	80.7	5.5	5.1	5.8	4	83	88	818140	806147	<0.2	<0.2	1.6	1.6						
						1.0	0.2	268	29.2	8.0	8.0	20.3	20.3	80.5	80.7	5.5	5.9	5.9	4	83	88	818140	806147	<0.2	<0.2	1.5	1.5						
						4.2	0.2	44	28.4	8.0	8.0	27.8	27.8	69.1	69.0	4.6	13.9	13.9	4	87	87	818140	806147	<0.2	<0.2	1.8	1.8						
					Middle	4.2	0.2	47	28.4	8.0	8.0	27.8	27.8	68.9	69.0	4.6	14.3	14.3	5	88	88	818140	806147	<0.2	<0.2	1.6	1.6						
						7.3	0.3	50	27.8	8.0	8.0	32.4	32.4	70.5	70.8	4.6	16.7	16.7	6	94	94	818140	806147	<0.2	<0.2	1.8	1.8						
						7.3	0.3	54	27.8	8.0	8.0	32.4	32.4	71.0	70.8	4.7	16.7	16.7	6	94	94	818140	806147	<0.2	<0.2	2.0	2.0						
IM3	Cloudy	Calm	20:21	7.9	Surface	1.0	0.1	277	29.1	8.1	8.1	22.7	22.7	87.6	87.6	5.9	5.6	4.0	5	82	83	818757	805569	<0.2	<0.2	1.7	1.8						
						1.0	0.1	284	29.1	8.1	8.1	22.7	22.7	87.6	87.6	5.9	5.6	4.0	6	83	84	818757	805569	<0.2	<0.2	1.8	1.8						
						4.0	0.3	56	28.6	8.1	8.1	27.1	27.1	77.9	77.9	5.2	5.8	5.8	6	83	84	818757	805569	<0.2	<0.2	1.7	1.7						
					Middle	4.0	0.4	58	28.6	8.1	8.1	27.1	27.1	77.8	77.8	5.2	5.8	5.8	6	84	84	818757	805569	<0.2	<0.2	2.0	2.0						
						6.9	0.2	63	27.7	8.0	8.0	32.3	32.3	66.6	66.8	4.4	24.7	24.7	7	87	87	818757	805569	<0.2	<0.2	1.8	1.8						
						6.9	0.3	69	27.7	8.0	8.0	32.3	32.3	66.9	66.8	4.4	24.7	24.7	6	87	87	818757	805569	<0.2	<0.2	1.8	1.8						
IM4	Cloudy	Calm	20:32	8.4	Surface	1.0	0.1	7	29.3	8.0	8.0	19.0	19.0	74.0	73.7	5.1	4.7	10.5	4	80	85	819709	804632	<0.2	<0.2	1.8	1.6						
						1.0	0.1	7	29.3	8.0	8.0	19.0	19.0	73.4	73.7	5.1	10.9	10.9	5	81	85	819709	804632	<0.2	<0.2	1.5	1.5						
						4.2	0.1	92	27.9	8.0	8.0	31.8	31.8	63.1	63.2	4.2	21.7	21.7	4	85	87	819709	804632	<0.2	<0.2	1.8	1.8						
					Middle	4.2	0.1	97	27.9	8.0	8.0	31.8	31.8	63.3	63.2	4.2	21.8	21.8	5	87	87	819709	804632	<0.2	<0.2	1.6	1.6						
						7.4	0.1	63	27.9	8.0	8.0	32.0	32.0	71.7	72.0	4.7	22.0	22.0	5	91	91	819709	804632	<0.2	<0.2	1.5	1.5						
						7.4	0.1	63	27.9	8.0	8.0	32.0	32.0	72.2	72.0	4.7	21.5	21.5	6	91	91	819709	804632	<0.2	<0.2	1.6	1.6						
IM5	Cloudy	Calm	20:43	7.9	Surface	1.0	0.1	70	28.9	8.0	8.0	27.0	26.1	83.5	83.8	5.5	5.0	6.6	4	82	86	820714	804869	<0.2	<0.2	1.7	1.7						
						1.0	0.1	70	29.0	8.0	8.0	25.3	26.1	84.0	83.8	5.6	6.4	6.4	4	82	86	820714	804869	<0.2	<0.2	1.6	1.6						
						4.0	0.2	101	28.1	8.0	8.0	30.9	30.9	66.8	66.9	4.4	12.8	12.8	5	86	88	820714	804869	<0.2	<0.2	1.8	1.8						
					Middle	4.0	0.2	109	28.1	8.0	8.0	30.9	30.9	66.9	66.9	4.4	12.8	12.8	5	88	88	820714	804869	<0.2	<0.2	1.6	1.6						
						6.9	0.2	90	28.0	8.0	8.0	31.3	31.3	73.7	74.0	4.8	13.8	13.8	6	90	90	820714	804869	<0.2	<0.2	1.7	1.7						
						6.9	0.2	91	28.1	8.0	8.0	31.3	31.3	74.2	74.0	4.9	13.9	13.9	6	92	92	820714	804869	<0.2	<0.2	1.5	1.5						
IM6	Cloudy	Calm	20:53	7.4	Surface	1.0	0.1	59	29.2	8.1	8.1	24.3	24.4	91.7	91.7	6.2	5.5	5.0	5	82	84	821054	805811	<0.2	<0.2	1.6	1.6						
						1.0	0.1	63	29.2	8.1	8.1	24.5	24.4	91.6	91.7	6.1	5.0	5.0	5	83	84	821054	805811	<0.2	<0.2	1.7	1.7						
						3.7	0.3	94	28.5	8.0	8.0	28.4	28.4	73.5	73.6	4.9	13.5	13.5	5	84	85	821054	805811	<0.2	<0.2	1.8	1.8						
					Middle	3.7	0.3	96	28.5	8.0	8.0	28.4	28.4																				

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (µg/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	20:35	7.6	Surface	1.0	0.1	148	29.4	8.3	8.3	21.8	21.8	86.6	86.5	5.9	5.0	9.4	11.0	5	6	85	88	822116	808813	<0.2	<0.2	1.8	1.8							
						1.0	0.1	150	29.4	8.3	8.3	21.8	21.8	86.4	86.5	5.9	5.0	9.5	11.0	5	6	86	88	<0.2	<0.2	1.8	1.8									
					Middle	3.8	0.0	312	28.1	8.2	8.2	31.8	31.8	61.9	62.0	4.1	4.1	10.2	11.0	6	6	88	89	<0.2	<0.2	1.8	1.8									
						3.8	0.0	313	28.1	8.2	8.2	31.8	31.8	62.0	62.0	4.1	4.1	10.4	11.0	6	6	89	89	<0.2	<0.2	1.8	1.8									
					Bottom	6.6	0.2	70	28.0	8.2	8.2	32.4	32.4	68.3	68.6	4.5	4.5	13.4	14.4	6	6	89	90	<0.2	<0.2	1.8	1.8									
						6.6	0.2	73	28.0	8.2	8.2	32.4	32.4	68.8	68.6	4.5	4.5	12.9	14.4	6	6	90	90	<0.2	<0.2	1.8	1.8									
IM10	Cloudy	Moderate	20:20	7.4	Surface	1.0	0.1	330	29.4	8.3	8.3	20.9	20.9	78.5	78.3	5.4	4.9	11.4	16.4	15	16	83	87	822409	809816	<0.2	<0.2	1.9	1.9							
						1.0	0.2	334	29.3	8.3	8.3	20.9	20.9	78.0	78.3	5.3	4.9	11.6	16.4	15	16	83	87	<0.2	<0.2	1.8	1.8									
					Middle	3.7	0.3	43	28.6	8.2	8.2	28.2	28.2	67.1	67.0	4.4	4.4	19.2	16.4	15	16	87	88	<0.2	<0.2	2.0	2.0									
						3.7	0.4	44	28.6	8.2	8.2	28.3	28.2	66.8	67.0	4.4	4.4	19.5	16.4	16	16	88	89	<0.2	<0.2	1.7	1.7									
					Bottom	6.4	0.3	318	28.0	8.2	8.2	32.4	32.4	68.5	68.5	4.5	4.5	18.3	18.4	17	17	89	89	<0.2	<0.2	2.0	2.0									
						6.4	0.3	328	28.0	8.2	8.2	32.4	32.4	68.9	68.7	4.5	4.5	18.4	18.4	17	17	89	89	<0.2	<0.2	1.7	1.7									
IM11	Cloudy	Moderate	20:12	8.3	Surface	1.0	0.5	309	29.4	8.2	8.2	18.3	18.3	94.3	94.3	6.5	6.5	8.5	8.4	4	6	85	87	822082	811486	<0.2	<0.2	1.8	1.8							
						1.0	0.5	337	29.4	8.2	8.2	18.3	18.3	94.3	94.3	6.5	6.5	8.5	8.4	4	6	86	86	<0.2	<0.2	1.8	1.8									
					Middle	4.2	0.6	300	29.4	8.2	8.2	18.3	18.3	94.5	94.5	6.5	6.5	8.7	8.4	5	6	86	86	<0.2	<0.2	1.8	1.8									
						4.2	0.6	310	29.4	8.2	8.2	18.3	18.3	94.4	94.5	6.5	6.5	8.7	8.4	6	6	86	90	<0.2	<0.2	1.7	1.7									
					Bottom	7.3	0.4	292	29.4	8.2	8.2	18.4	18.4	94.4	94.2	6.5	6.5	7.9	8.0	7	7	90	91	<0.2	<0.2	1.8	1.8									
						7.3	0.4	309	29.4	8.1	8.2	18.4	18.4	94.0	94.2	6.5	6.5	8.0	8.0	7	7	91	91	<0.2	<0.2	1.7	1.7									
IM12	Cloudy	Moderate	20:05	8.8	Surface	1.0	0.5	275	29.5	8.3	8.3	23.3	23.3	95.1	95.1	6.4	6.2	10.9	14.8	5	6	82	86	821470	812066	<0.2	<0.2	1.7	1.7							
						1.0	0.5	299	29.5	8.3	8.3	23.3	23.3	95.0	95.1	6.4	6.2	10.9	14.8	5	6	83	86	<0.2	<0.2	1.6	1.6									
					Middle	4.4	0.6	288	29.5	8.3	8.3	23.9	23.9	89.3	89.1	6.0	6.0	11.9	14.8	6	6	86	87	<0.2	<0.2	1.7	1.7									
						4.4	0.6	297	29.5	8.3	8.3	23.9	23.9	88.8	89.1	5.9	5.9	12.0	14.8	6	6	87	89	<0.2	<0.2	1.7	1.7									
					Bottom	7.8	0.3	270	28.6	8.0	8.0	30.1	30.1	70.0	70.0	4.6	4.6	21.3	21.6	8	8	89	90	<0.2	<0.2	1.7	1.7									
						7.8	0.3	274	28.6	8.0	8.0	30.1	30.1	70.0	70.0	4.6	4.6	21.6	21.6	8	8	90	90	<0.2	<0.2	1.7	1.7									
SR2	Cloudy	Calm	19:50	4.1	Surface	1.0	0.2	299	29.6	8.3	8.3	25.7	25.7	101.5	101.5	6.7	6.7	9.3	9.6	4	5	85	87	821437	814190	<0.2	<0.2	2.0	1.8							
						1.0	0.2	303	29.6	8.3	8.3	25.7	25.7	101.4	101.5	6.7	6.7	9.3	9.6	4	5	85	88	<0.2	<0.2	1.8	1.8									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.1	0.2	326	29.6	8.2	8.2	26.3	26.3	99.4	99.6	6.6	6.6	9.8	9.6	5	5	88	88	<0.2	<0.2	1.6	1.6									
						3.1	0.2	350	29.6	8.2	8.2	26.3	26.3	99.7	99.6	6.6	6.6	9.8	9.6	6	6	88	88	<0.2	<0.2	1.6	1.6									
SR3	Cloudy	Moderate	20:50	9.3	Surface	1.0	0.5	171	29.5	8.2	8.2	19.8	19.8	87.0	86.9	6.0	5.0	9.2	13.6	4	5	-	-	822160	807573	-	-	-	-							
						1.0	0.5	186	29.5	8.2	8.2	19.8	19.8	86.8	86.9	5.9	5.0	9.3	13.6	4	5	-	-	-	-	-	-	-	-							
					Middle	4.7	0.3	240	28.2	8.1	8.1	31.9	31.9	61.4	61.5	4.0	4.0	11.8	13.6	5	5	-	-	-	-	-	-	-	-	-						
						4.7	0.3	260	28.2	8.1	8.1	31.9	31.9	61.6	61.5	4.0	4.0	11.6	13.6	5	5	-	-	-	-	-	-	-	-							
					Bottom	8.3	0.2	281	28.1	8.0	8.0	32.1	32.1	69.5	69.7	4.5	4.5	19.6	20.1	7	7	-	-	-	-	-	-	-	-							
						8.3	0.3	295	28.2	8.0	8.0	32.1	32.1	69.9	69.7	4.6	4.6	20.1	20.1	7	7	-	-	-	-	-	-	-	-							
SR4A	Cloudy	Calm	18:37	9.3	Surface	1.0	0.2	74	29.2	8.1	8.1	22.6	22.6	94.5	94.5	6.4	6.1	6.7	8.3	4	6	-	-	817216	807780	-	-	-	-							
						1.0	0.2	74	29.2	8.1	8.1	22.6	22.6	94.4	94.5	6.4	6.1	6.9	8.3	4	6	-	-	-	-	-	-	-								
					Middle	4.7	0.1	73	29.2	8.1	8.1	23.8	23.8	86.9	86.6	5.8	5.8	7.4	8.3	5	6	-	-	-	-	-	-	-								
						4.7	0.1	77	29.2	8.1	8.1	23.8	23.8	86.3	86.6	5.8	5.8	7.4	8.3	6	6	-	-	-	-	-	-	-								
					Bottom	8.3	0.2	71	28.5	8.0	8.0	29.9	29.8	79.0	79.3	5.2	5.2	10.7	10.6	7	7	-	-	-	-	-	-	-								
						8.3	0.2	71	28.5	8.0	8.0	29.8	29.8	79.6	79.3	5.2	5.2	10.6	10.6	7	7	-	-	-	-	-	-	-								
SR5A	Cloudy	Calm	18:20	5.6	Surface	1.0	0.1	85	29.1	8.2	8.2	24.4	24.4	103.7	103.6	7.0	7.0	3.3	4.8	4	5	-	-	816587	810708	-	-	-	-							
						1.0	0.1	85	29.1	8.2	8.2	24.4	24.4	103.5	103.6	6.9	7.0	3.3	4.8	4	5	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.6	0.1	129	29.0	8.1	8.1	27.2	27.2	94.6	94.8	6.3	6.3	6.2	6.3	6	6	-	-	-	-	-	-									
						4.6	0.1	140	29.0	8.1	8.1	27.2	27.2	94.9	94.8	6.3	6.3	6.2	6.3	6	6	-	-	-	-	-	-									
SR6	Cloudy	Calm	17:52	4.8	Surface	1.0	0.1	232	29.0	8.0	8.0	23.1	23.1	91.8	91.8	6.2	6.2	4.1	5.4	5	7	-	-	817913	814642	-	-	-	-							
						1.0	0.1	241	29.0	8.0	8.0	23.1	23.1	91.7	91.8	6.2	6.2	4.2	5.4	5	7	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	3.8	0.1	223	28.8	8.0	8.0	25.3	25.3	89.3	89.4	6.0	6.0	6.6	6.0	8	8	-	-	-	-	-	-									
						3.8	0.1	234	28.8	8.0	8.0	25.3																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)	Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA		Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value
C1	Rainy	Rough	13:54	8.7	Surface	1.0	0.4	220	28.1	8.4	8.4	26.3	26.3	81.2	81.2	5.5	10.2	7	82	8	88	88	88	88	815590	804245	<0.2	1.2	1.2	1.2				
						1.0	0.4	228	28.1	8.4	8.4	26.3	26.3	81.2	81.2	5.5	10.2	7	83	8	83	88	88	88	88	88	815590	804245	<0.2	1.3	1.3	1.3		
					Middle	4.4	0.6	203	28.0	8.4	8.4	29.2	29.2	72.8	72.8	4.9	16.8	8	88	8	88	88	88	88	88	88	815590	804245	<0.2	1.2	1.2	1.2	1.2	
						4.4	0.7	218	28.0	8.4	8.4	29.2	29.2	72.8	72.8	4.9	16.8	8	88	8	88	88	88	88	88	88	815590	804245	<0.2	1.2	1.2	1.2	1.2	
					Bottom	7.7	0.4	216	27.1	8.4	8.4	32.2	32.2	66.3	66.3	4.4	51.8	9	92	9	92	92	92	92	92	92	92	815590	804245	<0.2	1.0	1.0	1.0	1.0
						7.7	0.4	225	27.1	8.4	8.4	32.2	32.2	66.3	66.3	4.4	51.8	9	93	9	93	92	93	92	93	93	93	815590	804245	<0.2	1.2	1.2	1.2	1.2
C2	Rainy	Moderate	12:33	12.2	Surface	1.0	0.3	155	28.2	8.3	8.3	28.2	28.2	117.3	117.2	7.8	6.2	3	83	4	83	86	86	86	825652	806928	<0.2	0.5	0.5	0.5				
						1.0	0.3	163	28.2	8.3	8.3	28.2	28.2	117.0	117.0	7.8	6.2	4	83	4	83	86	86	86	86	825652	806928	<0.2	0.4	0.4	0.4	0.4		
					Middle	6.1	0.3	172	25.8	8.1	8.1	30.5	30.5	77.0	77.0	5.3	8.8	3	87	3	87	87	87	87	87	87	825652	806928	<0.2	0.6	0.6	0.6	0.6	
						6.1	0.3	187	25.8	8.1	8.1	30.5	30.5	76.9	77.0	5.3	8.8	3	87	3	87	87	87	87	87	87	825652	806928	<0.2	0.4	0.4	0.4	0.4	
					Bottom	11.2	0.5	166	25.4	8.1	8.1	31.1	31.1	77.1	77.1	5.3	10.9	4	89	4	89	89	89	89	89	89	825652	806928	<0.2	0.6	0.6	0.6	0.6	
						11.2	0.5	169	25.4	8.1	8.1	31.1	31.1	77.7	77.4	5.3	10.9	4	90	4	90	89	90	89	90	90	825652	806928	<0.2	0.4	0.4	0.4	0.4	
C3	Rainy	Moderate	14:22	12.1	Surface	1.0	0.4	125	27.6	8.3	8.3	28.5	28.5	106.8	106.8	7.2	8.3	2	82	2	82	86	86	86	822109	817791	<0.2	0.3	0.3	0.3	0.3			
						1.0	0.4	127	27.6	8.3	8.3	28.5	28.5	106.7	106.8	7.2	8.3	2	82	2	82	86	86	86	86	822109	817791	<0.2	0.4	0.4	0.4	0.4		
					Middle	6.1	0.2	80	27.1	8.2	8.2	29.3	29.3	90.8	90.7	6.1	9.6	3	87	3	87	87	87	87	87	87	822109	817791	<0.2	0.5	0.5	0.5	0.5	
						6.1	0.2	87	27.1	8.2	8.2	29.3	29.3	90.5	90.7	6.1	9.6	3	87	3	87	87	87	87	87	87	822109	817791	<0.2	0.3	0.3	0.3	0.3	
					Bottom	11.1	0.4	39	25.3	8.1	8.1	30.6	30.6	75.5	75.6	5.2	17.4	4	90	4	90	90	90	90	90	90	822109	817791	<0.2	0.4	0.4	0.4	0.4	
						11.1	0.5	40	25.2	8.1	8.1	30.6	30.6	75.6	75.6	5.2	17.4	4	92	4	92	90	92	90	92	92	822109	817791	<0.2	0.4	0.4	0.4	0.4	
IM1	Rainy	Rough	13:34	5.4	Surface	1.0	0.2	172	28.5	8.4	8.4	25.5	25.5	84.4	84.4	5.7	9.7	5	83	5	83	84	84	84	817960	807154	<0.2	1.1	1.1	1.1	1.1			
						1.0	0.2	177	28.5	8.4	8.4	25.5	25.5	84.4	84.4	5.7	9.7	5	84	5	84	84	84	84	84	817960	807154	<0.2	1.3	1.3	1.3	1.3		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817960	807154	<0.2	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817960	807154	<0.2	-	-	-	-	
					Bottom	4.4	0.2	174	28.0	8.4	8.4	29.6	29.6	72.9	72.9	4.8	19.6	8	87	8	87	87	87	87	87	87	817960	807154	<0.2	1.4	1.4	1.4	1.4	
						4.4	0.2	186	28.0	8.4	8.4	29.6	29.6	72.9	72.9	4.8	19.6	9	87	9	87	87	87	87	87	87	817960	807154	<0.2	1.4	1.4	1.4	1.4	
IM2	Rainy	Rough	13:25	7.4	Surface	1.0	0.3	96	28.1	8.4	8.4	26.1	26.1	81.2	81.2	5.5	9.5	5	82	5	82	83	83	83	818120	806191	<0.2	1.4	1.4	1.4	1.4			
						1.0	0.3	97	28.1	8.4	8.4	26.1	26.1	81.2	81.2	5.5	9.5	5	83	5	83	83	83	83	83	818120	806191	<0.2	1.4	1.4	1.4	1.4		
					Middle	3.7	0.2	157	27.8	8.4	8.4	28.6	28.6	68.6	68.6	4.6	13.4	6	88	6	88	88	88	88	88	818120	806191	<0.2	1.0	1.0	1.0	1.0		
						3.7	0.3	171	27.8	8.4	8.4	28.6	28.6	68.6	68.6	4.6	13.4	6	88	6	88	88	88	88	88	818120	806191	<0.2	1.1	1.1	1.1	1.1		
					Bottom	6.4	0.2	156	27.4	8.4	8.4	31.0	31.0	66.1	66.1	4.4	44.8	7	93	7	93	93	93	93	93	93	818120	806191	<0.2	1.0	1.0	1.0	1.0	
						6.4	0.2	170	27.4	8.4	8.4	31.0	31.0	66.1	66.1	4.4	44.8	7	92	7	92	93	92	93	92	92	818120	806191	<0.2	1.0	1.0	1.0	1.0	
IM3	Rainy	Rough	13:16	7.5	Surface	1.0	0.1	54	28.2	8.4	8.4	25.9	25.9	79.9	79.9	5.4	9.5	5	82	5	82	83	83	83	818745	805577	<0.2	1.2	1.2	1.2	1.2			
						1.0	0.2	56	28.2	8.4	8.4	25.9	25.9	79.9	79.9	5.4	9.5	5	83	5	83	83	83	83	83	818745	805577	<0.2	1.2	1.2	1.2	1.2		
					Middle	3.8	0.2	187	27.9	8.4	8.4	28.8	28.8	71.0	71.0	4.7	15.8	5	85	5	85	86	86	86	86	818745	805577	<0.2	1.2	1.2	1.2	1.2		
						3.8	0.2	200	27.9	8.4	8.4	28.8	28.8	71.0	71.0	4.7	15.8	5	86	5	86	86	86	86	86	818745	805577	<0.2	1.3	1.3	1.3	1.3		
					Bottom	6.5	0.2	112	27.7	8.3	8.3	30.8	30.8	74.6	74.6	5.0	17.0	7	89	7	89	89	89	89	89	89	818745	805577	<0.2	1.0	1.0	1.0	1.0	
						6.5	0.3	115	27.7	8.3	8.3	30.8	30.8	74.6	74.6	5.0	17.0	6	91	6	91	89	91	89	91	91	818745	805577	<0.2	1.1	1.1	1.1	1.1	
IM4	Rainy	Rough	13:03	8.0	Surface	1.0	0.3	140	28.0	8.4	8.4	28.9	28.9	74.1	74.1	4.9	14.3	12	81	12	81	82	82	82	819690	804638	<0.2	1.0	1.0	1.0	1.0			
						1.0	0.3	145	28.0	8.4	8.4	28.9	28.9	74.1	74.1	4.9	14.3	12	82	12	82	82	82	82	82	819690	804638	<0.2	1.2	1.2	1.2	1.2		
					Middle	4.0	0.3	159	27.9	8.4	8.4	29.1	29.1	71.6	71.6	4.8	18.5	12	87	12	87	87	87	87	87	819690	804638	<0.2	1.0	1.0	1.0	1.0		
						4.0	0.3	161	27.9	8.4	8.4	29.1	29.1	71.6	71.6	4.8	18.5	12	87	12	87	87	87	87	87	819690	804638	<0.2	0.9	0.9	0.9	0.9		
					Bottom	7.0	0.3	147	27.8	8.3	8.3	29.8	29.8	78.7	78.7	5.2	20.2	12	93	12	93	93	93	93	93	93	819690	804638	<0.2	1.0	1.0	1.0	1.0	
						7.0	0.4	150	27.8	8.3	8.3	29.8	29.8	78.7	78.7	5.2	20.2	12	94	12	94	93	94	93	94	94	819690	804638	<0.2	1.0	1.0	1.0	1.0	
IM5	Rainy	Rough	12:53	7.8	Surface	1.0	0.1	149	28.0	8.4	8.4	28.7	28.7	72.1	72.1	4.8	14.1	12	81	12	81	82	82	82	820703	804841	<0.2	1.0	1.0	1.0	1.0			

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 August 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Rainy	Moderate	13:08	7.8	Surface	1.0	0.4	133	28.2	28.2	8.3	8.3	28.3	28.3	110.3	110.1	7.4	7.3	6.6	7.3	8.9	3	8	86	86	822072	808826	<0.2	<0.2	0.5	0.4					
						1.0	0.5	139	28.2	28.2	8.3	8.3	28.3	28.3	109.9	110.1	7.3	7.3	6.6	7.3	8.9	4	8	83	86	86	86	<0.2	<0.2	0.4	0.4					
					Middle	3.9	0.4	139	26.4	26.4	8.2	8.2	29.7	29.7	84.7	84.6	5.8	5.8	5.5	5.8	6.0	8.9	7	8	86	86	86	86	<0.2	<0.2	0.4	0.4				
						3.9	0.4	152	26.4	26.4	8.2	8.2	29.7	29.7	84.5	84.6	5.8	5.8	5.5	5.8	6.0	8.9	7	8	86	86	86	86	<0.2	<0.2	0.4	0.4				
					Bottom	6.8	0.3	92	23.2	23.2	8.0	8.0	31.8	31.8	76.3	76.3	5.4	5.4	5.5	5.4	5.5	10.5	12	8	86	86	86	86	<0.2	<0.2	0.6	0.6				
						6.8	0.3	96	23.2	23.2	8.0	8.0	31.8	31.8	76.7	76.5	5.5	5.5	5.5	5.5	5.5	10.5	12	8	86	86	86	86	<0.2	<0.2	0.4	0.4				
IM10	Rainy	Moderate	13:18	7.5	Surface	1.0	0.7	104	25.8	25.8	8.2	8.2	30.2	30.2	83.2	83.1	5.7	5.7	5.5	5.7	7.5	9	10	86	86	822386	809799	<0.2	<0.2	0.4	0.5					
						1.0	0.8	104	25.8	25.8	8.2	8.2	30.2	30.2	83.0	83.1	5.7	5.7	5.5	5.7	7.5	9	10	83	86	86	86	<0.2	<0.2	0.5	0.5					
					Middle	3.8	0.6	125	25.0	25.0	8.1	8.1	30.8	30.8	76.1	76.1	5.3	5.3	5.3	5.3	5.3	7.9	9	10	86	86	86	86	<0.2	<0.2	0.4	0.4				
						3.8	0.7	137	25.0	25.0	8.1	8.1	30.8	30.8	76.0	76.1	5.3	5.3	5.3	5.3	5.3	7.9	9	10	86	86	86	86	<0.2	<0.2	0.4	0.4				
					Bottom	6.5	0.3	90	24.5	24.5	8.1	8.1	31.3	31.3	76.3	76.3	5.3	5.3	5.3	5.3	5.3	8.8	13	10	86	86	86	86	<0.2	<0.2	0.6	0.6				
						6.5	0.3	96	24.5	24.5	8.1	8.1	31.3	31.3	76.5	76.4	5.3	5.3	5.3	5.3	5.3	8.8	12	10	89	89	89	89	<0.2	<0.2	0.6	0.6				
IM11	Rainy	Moderate	13:28	9.6	Surface	1.0	0.9	120	27.5	27.5	8.3	8.3	28.9	28.9	97.2	96.6	6.5	6.5	6.0	9.7	11.6	10	11	85	85	822082	811460	<0.2	<0.2	0.4	0.5					
						1.0	0.9	123	27.5	27.5	8.3	8.3	28.9	28.9	96.0	96.6	6.5	6.5	6.0	9.7	11.6	9	11	80	87	87	87	<0.2	<0.2	0.5	0.5					
					Middle	4.8	0.7	82	24.9	24.9	8.1	8.1	30.7	30.7	79.5	79.5	5.5	5.5	5.5	5.5	5.5	11.5	11	11	87	89	89	89	<0.2	<0.2	0.6	0.4				
						4.8	0.7	89	24.9	24.9	8.1	8.1	30.7	30.7	79.5	79.5	5.5	5.5	5.5	5.5	5.5	11.5	11	11	87	89	89	89	<0.2	<0.2	0.6	0.4				
					Bottom	8.6	0.4	96	24.6	24.6	8.1	8.1	31.1	31.1	84.9	85.2	5.9	5.9	6.0	6.0	6.0	13.5	12	11	89	90	90	90	<0.2	<0.2	0.4	0.5				
						8.6	0.4	98	24.6	24.6	8.1	8.1	31.1	31.1	85.4	85.2	6.0	6.0	6.0	6.0	6.0	13.6	12	11	90	90	90	90	<0.2	<0.2	0.5	0.5				
IM12	Rainy	Moderate	13:38	9.9	Surface	1.0	0.7	87	27.6	27.6	8.3	8.3	28.8	28.8	109.5	109.5	7.4	7.4	7.0	8.2	11.4	9	11	85	85	821451	812028	<0.2	<0.2	0.4	0.4					
						1.0	0.7	87	27.6	27.6	8.3	8.3	28.8	28.8	109.4	109.5	7.4	7.4	7.0	8.2	11.4	8	11	82	83	83	83	<0.2	<0.2	0.4	0.4					
					Middle	5.0	0.7	72	26.9	26.9	8.2	8.2	29.3	29.3	97.0	96.8	6.6	6.6	5.6	5.6	5.6	11.4	12	11	83	86	86	86	<0.2	<0.2	0.5	0.5				
						5.0	0.7	78	26.9	26.9	8.2	8.2	29.3	29.3	96.6	96.8	6.5	6.5	5.6	5.6	5.6	11.4	12	11	83	86	86	86	<0.2	<0.2	0.5	0.5				
					Bottom	8.9	0.4	79	25.9	25.8	8.1	8.1	30.0	30.0	80.9	80.8	5.6	5.6	5.6	5.6	5.6	14.6	13	11	90	90	90	90	<0.2	<0.2	0.5	0.4				
						8.9	0.4	84	25.8	25.8	8.1	8.1	30.1	30.0	80.7	80.8	5.5	5.5	5.6	5.6	5.6	14.6	13	11	90	90	90	90	<0.2	<0.2	0.4	0.4				
SR2	Rainy	Moderate	14:05	4.1	Surface	1.0	0.6	98	27.6	27.6	8.3	8.3	28.7	28.7	111.0	111.0	7.5	7.5	7.5	6.4	7.4	7	8	88	88	821460	814184	<0.2	<0.2	0.6	0.6					
						1.0	0.6	102	27.6	27.6	8.3	8.3	28.7	28.7	110.9	111.0	7.5	7.5	7.5	6.4	7.4	7	8	87	87	87	87	<0.2	<0.2	0.6	0.6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	88	88	88	88	88	88	88	88	88	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	88	88	88	88	88	88	88	88	
					Bottom	3.1	0.3	75	27.5	27.5	8.3	8.3	28.9	28.8	110.3	110.3	7.4	7.4	7.4	7.4	7.4	8.3	7.4	7	8	89	90	90	90	<0.2	<0.2	0.4	0.6			
						3.1	0.4	78	27.5	27.5	8.3	8.3	28.8	28.8	110.3	110.3	7.4	7.4	7.4	7.4	7.4	8.3	7.4	7	8	89	90	90	90	<0.2	<0.2	0.4	0.6			
SR3	Rainy	Moderate	12:53	9.4	Surface	1.0	0.2	183	28.0	28.0	8.3	8.3	28.5	28.5	111.3	111.2	7.4	7.4	6.0	6.5	8.8	6	7	-	-	822122	807574	-	-	-	-					
						1.0	0.2	198	28.0	28.0	8.3	8.3	28.5	28.5	111.1	111.2	7.4	7.4	6.0	6.5	8.8	6	7	-	-	-	-	-	-	-	-	-				
					Middle	4.7	0.2	196	22.9	22.9	8.0	8.0	32.0	32.0	64.5	64.6	4.6	4.6	4.9	4.9	4.9	7.4	8	7	7	-	-	-	-	-	-	-	-			
						4.7	0.2	214	22.9	22.9	8.0	8.0	32.0	32.0	64.6	64.6	4.6	4.6	4.9	4.9	4.9	7.4	8	7	7	-	-	-	-	-	-	-	-			
					Bottom	8.4	0.0	73	22.9	22.9	8.0	8.0	32.0	32.0	67.9	68.0	4.9	4.9	4.9	4.9	4.9	12.5	8	7	8	-	-	-	-	-	-	-	-			
						8.4	0.0	73	22.9	22.9	8.0	8.0	32.0	32.0	68.1	68.1	4.9	4.9	4.9	4.9	4.9	12.5	7	7	8	-	-	-	-	-	-	-	-			
SR4A	Rainy	Rough	14:17	8.3	Surface	1.0	0.1	85	28.4	28.4	8.4	8.4	25.9	25.9	79.4	79.4	5.4	5.4	5.1	14.1	22.9	8	10	-	-	817202	807814	-	-	-	-					
						1.0	0.1	86	28.4	28.4	8.4	8.4	25.9	25.9	79.4	79.4	5.4	5.4	5.1	14.1	22.9	8	10	-	-	-	-	-	-	-	-					
					Middle	4.2	0.1	95	28.1	28.1	8.4	8.4	28.2	28.2	72.1	72.1	4.8	4.8	4.8	4.8	4.8	23.9	10	10	-	-	-	-	-	-	-	-				
						4.2	0.1	95	28.1	28.1	8.4	8.4	28.2	28.2	72.1	72.1	4.8	4.8	4.8	4.8	4.8	23.9	11	10	-	-	-	-	-	-	-					
					Bottom	7.3	0.1	101	27.7	27.7	8.3	8.3	30.1	30.1	74.6	76.9	5.0	5.0	5.2	5.0	5.0	30.1	12	10	-	-	-	-	-	-	-					
						7.3	0.2	109	27.8	27.8	8.3	8.3	30.1	30.1	79.1	79.1	5.3	5.3	5.2	5.3	5.2	31.2	12	10	-	-	-	-	-	-						
SR5A	Rainy	Rough	14:34	3.6	Surface	1.0	0.0	13	28.5	28.5	8.4	8.4	26.1	26.1	76.9	76.9	5.2	5.2	5.2	18.4	21.0	21	23	-	-	816612	810707	-	-	-	-					
						1.0	0.0	13	28.5	28.5	8.4	8.4	26.1	26.1	76.9	76.9	5.2	5.2	5.2	5.2	5.2	18.4	20	23	-	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	-	-	-	-	-					

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 August 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Cloudy	Moderate	07:39	9.1	Surface	1.0	0.3	17	28.1	8.3	8.3	25.3	25.3	76.9	76.9	5.2	4.6	11.2	14.0	11	12	81	87	815600	804245	<0.2	<0.2	1.3	1.3				
						1.0	0.4	18	28.1	8.3	8.3	25.3	25.3	76.9	76.9	5.2	4.6	11.2	14.0	11	12	81	87	815600	804245	<0.2	<0.2	1.4	1.4				
						4.6	0.3	23	26.9	8.3	8.3	33.2	33.2	59.8	59.8	4.0	4.6	15.5	14.0	12	12	88	86	815600	804245	<0.2	<0.2	1.3	1.3				
					Middle	4.6	0.4	23	26.9	8.3	8.3	33.2	33.2	59.8	59.8	4.0	4.6	15.5	14.0	12	12	86	86	815600	804245	<0.2	<0.2	1.4	1.4				
						8.1	0.3	23	26.9	8.2	8.2	33.6	33.6	63.0	63.0	4.2	4.2	15.3	14.0	12	12	93	90	815600	804245	<0.2	<0.2	1.1	1.1				
						8.1	0.3	23	26.9	8.2	8.2	33.6	33.6	63.0	63.0	4.2	4.2	15.3	14.0	12	12	90	90	815600	804245	<0.2	<0.2	1.2	1.2				
C2	Rainy	Moderate	08:33	12.4	Surface	1.0	0.5	13	25.9	25.9	8.1	8.1	29.8	29.8	80.1	80.1	5.5	5.2	6.5	9.1	6	6	82	86	825679	806930	<0.2	<0.2	0.5	0.5			
						1.0	0.5	13	25.9	8.1	8.1	29.8	29.8	80.0	80.0	5.5	5.2	6.3	9.1	6	6	83	85	825679	806930	<0.2	<0.2	0.4	0.4				
						6.2	0.5	356	25.2	8.1	8.1	30.3	30.3	69.7	69.6	4.8	4.7	9.7	9.1	6	6	85	86	825679	806930	<0.2	<0.2	0.6	0.6				
					Middle	6.2	0.5	328	25.2	8.1	8.1	30.3	30.3	69.5	69.6	4.8	4.7	9.6	9.1	6	6	86	86	825679	806930	<0.2	<0.2	0.4	0.4				
						11.4	0.4	329	23.2	8.0	8.0	31.9	31.9	65.5	65.6	4.7	4.7	11.4	11.3	6	6	89	89	825679	806930	<0.2	<0.2	0.4	0.4				
						11.4	0.4	352	23.2	8.0	8.0	31.9	31.9	65.7	65.6	4.7	4.7	11.3	11.3	6	6	90	90	825679	806930	<0.2	<0.2	0.4	0.4				
C3	Cloudy	Moderate	06:36	12.5	Surface	1.0	0.5	287	27.5	27.5	8.2	8.2	28.9	28.9	87.8	87.6	5.9	5.5	5.6	8.1	5	5	81	85	822092	817826	<0.2	<0.2	0.4	0.4			
						1.0	0.5	307	27.5	8.2	8.2	28.9	28.9	87.4	87.6	5.9	5.5	5.6	8.1	5	5	82	86	822092	817826	<0.2	<0.2	0.3	0.3				
						6.3	0.4	260	25.3	8.1	8.1	30.3	30.3	73.8	73.8	5.1	5.1	7.9	8.1	6	6	86	85	822092	817826	<0.2	<0.2	0.6	0.6				
					Middle	6.3	0.4	264	25.3	8.1	8.1	30.3	30.3	73.7	73.8	5.1	5.1	7.9	8.1	7	7	85	86	822092	817826	<0.2	<0.2	0.5	0.5				
						11.5	0.4	274	23.7	8.0	8.0	31.6	31.6	75.7	75.9	5.3	5.4	10.8	10.8	7	7	88	88	822092	817826	<0.2	<0.2	0.3	0.3				
						11.5	0.4	283	23.7	8.0	8.0	31.6	31.6	76.1	75.9	5.3	5.4	10.8	10.8	7	7	88	88	822092	817826	<0.2	<0.2	0.3	0.3				
IM1	Cloudy	Moderate	07:16	5.5	Surface	1.0	0.7	42	28.3	28.3	8.3	8.3	26.6	26.6	80.4	80.4	5.4	5.4	19.6	19.2	12	14	75	79	817958	807144	<0.2	<0.2	1.3	1.3			
						1.0	0.7	43	28.3	8.3	8.3	26.6	26.6	80.4	80.4	5.4	5.4	19.6	19.2	12	14	77	79	817958	807144	<0.2	<0.2	1.4	1.4				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.5	0.6	40	28.3	8.3	8.3	27.2	27.2	84.1	84.2	5.6	5.7	18.8	19.2	16	14	81	79	817958	807144	<0.2	<0.2	1.3	1.3				
						4.5	0.6	42	28.3	8.3	8.3	27.2	27.2	84.3	84.2	5.7	5.7	18.8	19.2	17	14	83	79	817958	807144	<0.2	<0.2	1.2	1.2				
IM2	Cloudy	Moderate	07:09	8.1	Surface	1.0	0.7	2	28.2	28.2	8.3	8.3	26.5	26.5	77.0	77.0	5.2	5.1	17.0	14.3	4	6	85	89	818131	806178	<0.2	<0.2	1.2	1.2			
						1.0	0.8	2	28.2	8.3	8.3	26.5	26.5	77.0	77.0	5.2	5.1	17.0	14.3	5	6	86	89	818131	806178	<0.2	<0.2	1.4	1.4				
						4.1	0.5	353	28.1	8.3	8.3	27.2	27.2	73.4	73.4	4.9	4.9	14.0	14.3	6	6	89	89	818131	806178	<0.2	<0.2	1.1	1.1				
					Middle	4.1	0.6	359	28.1	8.3	8.3	27.2	27.2	73.4	73.4	4.9	4.9	14.0	14.3	6	6	90	89	818131	806178	<0.2	<0.2	1.2	1.2				
						7.1	0.4	354	28.1	8.3	8.3	28.8	28.8	75.8	75.8	5.1	5.1	12.0	14.3	7	6	92	89	818131	806178	<0.2	<0.2	1.2	1.2				
						7.1	0.4	326	28.1	8.3	8.3	28.8	28.8	75.8	75.8	5.1	5.1	12.0	14.3	7	6	93	89	818131	806178	<0.2	<0.2	1.3	1.3				
IM3	Cloudy	Moderate	07:02	8.3	Surface	1.0	0.8	14	28.2	28.2	8.3	8.3	26.1	26.1	75.8	75.8	5.1	4.9	12.2	12.9	10	14	83	87	818746	805551	<0.2	<0.2	1.3	1.3			
						1.0	0.9	14	28.2	8.3	8.3	26.1	26.1	75.8	75.8	5.1	4.9	12.2	12.9	11	14	84	87	818746	805551	<0.2	<0.2	1.3	1.3				
						4.2	0.5	16	28.0	8.3	8.3	29.0	29.0	70.3	70.3	4.7	4.7	14.0	12.9	14	14	86	87	818746	805551	<0.2	<0.2	1.2	1.2				
					Middle	4.2	0.5	16	28.0	8.3	8.3	29.0	29.0	70.3	70.3	4.7	4.7	14.0	12.9	14	14	87	87	818746	805551	<0.2	<0.2	1.4	1.4				
						7.3	0.4	0	28.0	8.3	8.3	29.2	29.2	73.1	73.1	4.9	4.9	12.6	12.9	16	14	90	87	818746	805551	<0.2	<0.2	1.1	1.1				
						7.3	0.4	0	28.0	8.3	8.3	29.2	29.2	73.1	73.1	4.9	4.9	12.6	12.9	16	14	90	87	818746	805551	<0.2	<0.2	1.2	1.2				
IM4	Cloudy	Moderate	06:51	8.4	Surface	1.0	0.7	8	28.1	28.1	8.2	8.2	27.5	27.5	73.1	73.1	4.9	4.8	10.4	13.0	10	11	82	86	819703	804628	<0.2	<0.2	1.4	1.4			
						1.0	0.7	8	28.1	8.2	8.2	27.5	27.5	73.1	73.1	4.9	4.8	10.4	13.0	10	11	82	86	819703	804628	<0.2	<0.2	1.3	1.3				
						4.2	0.5	6	28.0	8.2	8.2	28.9	28.9	69.8	69.8	4.7	4.7	11.8	13.0	12	11	85	87	819703	804628	<0.2	<0.2	1.4	1.4				
					Middle	4.2	0.5	6	28.0	8.2	8.2	28.9	28.9	69.8	69.8	4.7	4.7	11.8	13.0	11	11	87	87	819703	804628	<0.2	<0.2	1.6	1.6				
						7.4	0.4	10	28.0	8.2	8.2	29.0	29.0	73.4	73.4	4.9	4.9	16.8	13.0	11	11	90	89	819703	804628	<0.2	<0.2	1.2	1.2				
						7.4	0.4	10	28.0	8.2	8.2	29.0	29.0	73.4	73.4	4.9	4.9	16.8	13.0	12	11	89	89	819703	804628	<0.2	<0.2	1.2	1.2				
IM5	Cloudy	Moderate	06:41	7.6	Surface	1.0	0.2	7	28.1	28.1	8.2	8.2	27.4	27.4	76.3	76.3	5.1	5.2	15.2	16.6	26	27	82	86	820703	804841	<0.2	<0.2	1.3	1.3			
						1.0	0.2	7	28.1	8.2	8.2	27.4	27.4	76.3	76.3	5.1	5.2	15.2	16.6	26	27	82	86	820703	804841	<0.2	<0.2	1.4	1.4				
						3.8	0.2	11	28.1	8.3	8.3	27.5	27.5	78.7	78.7	5.3	5.3	12.2	16.6	27	27	85	87	820703	804841	<0.2	<0.2	1.4	1.4				
					Middle	3.8	0.2	11	28.1	8.3	8.3	27.5	27.5	78.7	78.7	5.3	5.3	12.2	16.6	26	27	87	87	820703	804841	<0.2	<0.2	1.3	1.3				
						6.6	0.2	344	28.1	8.3	8.3	27.5	27.5	83.5	83.5	5.6	5.6	22.4	16.6	27	27	90	89	820703	804841	<0.2	<0.2						

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 August 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Rainy	Moderate	07:51	8.1	Surface	1.0	0.3	326	26.3	26.3	8.2	8.2	30.1	30.1	91.2	91.1	6.2	6.0	7.3	12.8	6	6	82	86	822103	808829	<0.2	<0.2	0.5	0.4						
						1.0	0.4	349	26.3	26.3	8.2	8.2	30.1	30.1	91.0	91.1	6.2	6.0	7.3	12.8	5	6	82	86	<0.2	<0.2	0.3	0.4								
					Middle	4.1	0.4	313	26.1	26.1	8.2	8.2	30.3	30.3	83.1	83.0	5.7	5.1	11.5	10.7	5	6	86	86	<0.2	<0.2	0.3	0.4								
						4.1	0.5	314	26.1	26.1	8.2	8.2	30.3	30.3	82.8	83.0	5.7	5.1	11.5	10.7	5	6	86	86	<0.2	<0.2	0.3	0.4								
					Bottom	7.1	0.3	276	24.1	24.1	8.1	8.1	31.8	31.8	72.3	72.4	5.1	5.1	19.7	19.7	6	7	89	89	<0.2	<0.2	0.5	0.4								
						7.1	0.3	283	24.1	24.1	8.1	8.1	31.8	31.8	72.5	72.4	5.1	5.1	19.7	19.7	7	7	90	89	<0.2	<0.2	0.4	0.4								
IM10	Rainy	Moderate	07:40	8.5	Surface	1.0	0.5	314	26.5	26.5	8.2	8.2	29.8	29.8	86.0	85.9	5.9	5.3	9.5	14.1	6	6	82	86	822413	809789	<0.2	<0.2	0.5	0.4						
						1.0	0.6	340	26.5	26.5	8.2	8.2	29.8	29.8	85.7	85.9	5.8	5.3	9.5	14.1	5	6	82	86	<0.2	<0.2	0.4	0.4								
					Middle	4.3	0.5	319	25.4	25.4	8.1	8.1	30.8	30.8	68.8	68.6	4.7	4.7	15.9	15.9	5	6	86	86	<0.2	<0.2	0.5	0.4								
						4.3	0.6	341	25.4	25.4	8.1	8.1	30.9	30.8	68.4	68.6	4.7	4.7	15.9	15.9	5	6	86	86	<0.2	<0.2	0.4	0.4								
					Bottom	7.5	0.4	294	23.6	23.6	8.0	8.0	32.0	32.0	67.2	67.4	4.7	4.8	16.8	16.8	7	7	88	88	<0.2	<0.2	0.4	0.4								
						7.5	0.4	321	23.6	23.6	8.0	8.0	32.0	32.0	67.5	67.4	4.8	4.8	16.8	16.8	7	7	89	89	<0.2	<0.2	0.4	0.4								
IM11	Rainy	Moderate	07:27	9.5	Surface	1.0	0.3	309	27.2	27.2	8.2	8.2	29.2	29.2	86.8	86.6	5.9	5.6	7.5	10.7	6	7	82	84	822054	811463	<0.2	<0.2	0.4	0.4						
						1.0	0.4	339	27.2	27.2	8.2	8.2	29.2	29.2	86.3	86.6	5.8	5.6	7.5	10.7	5	7	82	85	<0.2	<0.2	0.5	0.4								
					Middle	4.8	0.4	311	25.3	25.3	8.1	8.1	30.6	30.6	76.5	76.5	5.3	5.3	11.8	11.8	6	7	85	86	<0.2	<0.2	0.3	0.4								
						4.8	0.5	338	25.3	25.3	8.1	8.1	30.6	30.6	76.4	76.5	5.3	5.3	11.8	11.8	6	7	85	86	<0.2	<0.2	0.4	0.4								
					Bottom	8.5	0.1	327	24.4	24.4	8.1	8.1	31.4	31.4	77.1	77.2	5.4	5.4	12.7	12.7	9	9	86	86	<0.2	<0.2	0.4	0.4								
						8.5	0.1	329	24.4	24.4	8.1	8.1	31.4	31.4	77.3	77.2	5.4	5.4	12.7	12.7	9	9	86	86	<0.2	<0.2	0.4	0.4								
IM12	Cloudy	Moderate	07:18	8.5	Surface	1.0	0.6	297	27.5	27.5	8.2	8.2	28.9	28.9	93.1	93.0	6.3	5.8	8.5	3.6	5	7	81	85	821475	812021	<0.2	<0.2	0.4	0.5						
						1.0	0.7	314	27.5	27.5	8.2	8.2	28.9	28.9	92.9	93.0	6.2	5.8	8.5	3.6	6	7	82	85	<0.2	<0.2	0.4	0.5								
					Middle	4.3	0.7	280	25.3	25.3	8.1	8.1	30.2	30.2	77.4	77.4	5.4	5.5	1.1	1.2	7	7	85	86	<0.2	<0.2	0.5	0.4								
						4.3	0.7	307	25.3	25.3	8.1	8.1	30.2	30.2	77.3	77.4	5.4	5.5	1.1	1.2	7	7	86	86	<0.2	<0.2	0.4	0.4								
					Bottom	7.5	0.3	255	24.4	24.4	8.1	8.1	31.2	31.2	77.9	78.1	5.5	5.5	1.2	1.2	8	8	88	89	<0.2	<0.2	0.6	0.4								
						7.5	0.3	272	24.4	24.4	8.1	8.1	31.2	31.2	78.2	78.1	5.5	5.5	1.2	1.2	8	8	89	89	<0.2	<0.2	0.4	0.4								
SR2	Cloudy	Moderate	06:54	5.1	Surface	1.0	0.1	331	25.8	25.8	8.1	8.1	30.1	30.1	81.7	81.7	5.6	5.6	3.8	4.5	5	7	84	86	821457	814172	<0.2	<0.2	0.5	0.5						
						1.0	0.1	346	25.8	25.8	8.1	8.1	30.1	30.1	81.6	81.7	5.6	5.6	3.8	4.5	6	7	85	86	<0.2	<0.2	0.5	0.5								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.1	0.1	19	25.2	25.2	8.1	8.1	30.3	30.3	79.3	79.4	5.5	5.5	5.1	5.1	9	9	86	87	<0.2	<0.2	0.5	0.3								
						4.1	0.2	20	25.2	25.2	8.1	8.1	30.3	30.3	79.4	79.4	5.5	5.5	5.1	5.1	8	8	87	87	<0.2	<0.2	0.5	0.3								
SR3	Rainy	Moderate	08:12	9.3	Surface	1.0	0.3	350	26.2	26.2	8.1	8.1	29.6	29.6	82.1	82.1	5.6	5.3	7.8	9.1	9	10	-	-	822171	807584	-	-	-	-						
						1.0	0.3	322	26.2	26.2	8.1	8.1	29.6	29.6	82.0	82.1	5.6	5.3	7.8	9.1	9	10	-	-	-	-	-	-	-	-						
					Middle	4.7	0.2	18	24.6	24.5	8.0	8.0	30.8	30.8	71.5	71.5	5.0	5.0	9.2	9.2	10	10	-	-	-	-	-	-	-	-	-	-				
						4.7	0.2	19	24.5	24.4	8.1	8.1	30.8	30.8	71.5	71.5	5.0	5.0	9.2	9.2	10	10	-	-	-	-	-	-	-	-	-	-				
					Bottom	8.3	0.2	44	24.4	24.4	8.1	8.1	31.2	31.2	73.4	73.5	5.1	5.1	10.3	10.3	11	11	-	-	-	-	-	-	-	-	-	-				
						8.3	0.2	45	24.4	24.4	8.1	8.1	31.2	31.2	73.5	73.5	5.1	5.1	10.3	10.3	11	11	-	-	-	-	-	-	-	-	-	-				
SR4A	Cloudy	Calm	07:59	8.8	Surface	1.0	0.3	56	28.3	28.3	8.3	8.3	26.3	26.3	79.5	79.5	5.4	5.4	13.9	13.0	28	33	-	-	817197	807793	-	-	-	-						
						1.0	0.3	58	28.3	28.3	8.3	8.3	26.3	26.3	79.5	79.5	5.4	5.4	13.9	13.0	28	33	-	-	-	-	-	-	-	-						
					Middle	4.4	0.5	55	28.2	28.2	8.2	8.2	26.3	26.3	79.5	79.5	5.4	5.4	10.3	10.3	32	32	-	-	-	-	-	-	-	-	-					
						4.4	0.6	60	28.2	28.2	8.2	8.2	26.3	26.3	79.5	79.5	5.4	5.4	10.3	10.3	32	32	-	-	-	-	-	-	-	-						
					Bottom	7.8	0.6	43	28.2	28.2	8.2	8.2	26.3	26.3	80.9	80.9	5.5	5.5	14.8	14.8	38	37	-	-	-	-	-	-	-	-						
						7.8	0.6	47	28.2	28.2	8.2	8.2	26.3	26.3	80.9	80.9	5.5	5.5	14.8	14.8	37	37	-	-	-	-	-	-	-	-						
SR5A	Cloudy	Calm	08:12	5.4	Surface	1.0	0.3	320	28.6	28.6	8.4	8.4	26.3	26.3	78.7	78.7	5.3	5.3	10.4	12.1	20	22	-	-	816612	810704	-	-	-	-						
						1.0	0.4	330	28.6	28.6	8.4	8.4	26.3	26.3	78.7	78.7	5.3	5.3	10.4	12.1	21	22	-	-	-	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.4	0.3	17	28.6	28.6	8.4	8.4	26.4	26.4	84.5	84.5	5.7	5.7	13.7	13.7	23	23	-	-	-	-	-	-	-							
						4.4	0.4	17	28.6	28.6	8.4	8.4	26.4	26.4	84.5	84.5	5.7	5.7	13.7	13.7	23	23	-	-	-	-	-	-	-							
SR6	Cloudy	Calm	08:32	4.3	Surface	1.0	0.1	266	28.6	28.6	8.4	8.4	26.3	26.3	75.6	75.6	5.1	5.1	18.9	15.6	13	13	-	-	817912	814654	-	-	-	-						
						1.0	0.1	284	28.6	28.6	8.4	8.4	26.3	26.3	75.6	75.6	5.1	5.1	18.9																	

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Rainy	Rough	14:53	8.8	Surface	1.0	0.1	330	28.0	8.0	8.0	20.6	20.6	84.0	84.0	5.9	6.4	9	87	9	9	87	89	81	815629	804249	<0.2	1.7	1.7				
						1.0	0.1	357	28.0	28.0	8.0	8.0	20.6	20.6	83.9	84.0	5.9	6.4	9	87	9	9	87	88	81	815629	804249	<0.2		1.5			
					Middle	4.4	0.1	212	27.7	27.7	7.9	7.9	24.0	24.0	77.6	77.6	5.3	7.5	6	9.0	9	9	88	89	85	815629	804249	<0.2		1.6			
						4.4	0.1	230	27.7	27.7	7.9	7.9	24.0	24.0	77.6	77.6	5.4	7.5	8	9.0	9	9	89	90	86	815629	804249	<0.2		1.8			
					Bottom	7.8	0.1	232	27.2	27.2	7.9	7.9	27.3	27.3	66.1	66.1	4.5	13.1	8	9.0	9	9	91	91	88	815629	804249	<0.2		1.7			
						7.8	0.1	235	27.2	27.2	7.9	7.9	27.3	27.3	66.1	66.1	4.5	13.1	8	9.0	9	9	91	91	88	815629	804249	<0.2		1.6			
C2	Rainy	Rough	13:39	12.6	Surface	1.0	0.3	163	28.3	28.3	7.8	7.8	17.6	17.6	77.2	77.2	5.5	17.2	7	79	6	7	78	83	825656	806930	<0.2	2.9	2.7				
						1.0	0.3	165	28.3	28.3	7.8	7.8	17.6	17.6	77.2	77.2	5.5	17.2	6	7	78	83	83	83	83	825656	806930	<0.2		2.6			
					Middle	6.3	0.3	184	28.1	28.1	7.9	7.9	21.2	21.2	73.9	73.9	5.1	19.2	6	7	7	7	6	7	83	83	825656	806930		<0.2	2.8		
						6.3	0.3	192	28.1	28.1	7.9	7.9	21.2	21.2	73.9	73.9	5.1	19.9	7	7	7	7	7	7	83	83	825656	806930		<0.2	2.5		
					Bottom	11.6	0.5	175	28.1	28.1	7.8	7.8	22.6	22.6	77.5	77.5	5.4	24.0	9	7	9	9	9	9	87	87	83	825656		806930	<0.2	2.9	
						11.6	0.5	175	28.1	28.1	7.8	7.8	22.6	22.6	77.5	77.5	5.4	24.0	9	7	9	9	9	9	87	87	83	825656		806930	<0.2	2.5	
C3	Cloudy	Moderate	15:16	12.2	Surface	1.0	0.5	66	27.9	27.9	7.9	7.9	22.5	22.5	77.4	77.4	5.4	9.7	5	83	6	7	83	85	86	822118	817775	<0.2	2.9	2.7			
						1.0	0.6	66	27.9	27.9	7.9	7.9	22.5	22.5	77.4	77.4	5.4	9.7	6	7	6	7	6	7	85	85	822118	817775	<0.2		2.8		
					Middle	6.1	0.4	97	27.5	27.5	7.9	7.9	23.7	23.7	74.3	74.3	5.1	9.9	7	9.8	7	7	7	7	87	87	86	822118	817775		<0.2	2.8	
						6.1	0.4	103	27.5	27.5	7.9	7.9	23.7	23.7	74.3	74.3	5.1	9.9	7	9.8	7	7	7	7	87	87	86	822118	817775		<0.2	2.5	
					Bottom	11.2	0.3	76	27.2	27.2	7.9	7.9	25.1	25.1	75.7	75.7	5.2	9.7	9	9.8	9	9	9	9	89	89	86	822118	817775		<0.2	2.8	
						11.2	0.3	78	27.2	27.2	7.9	7.9	25.1	25.1	75.7	75.7	5.2	9.7	8	9.8	8	9	8	9	89	90	86	822118	817775		<0.2	2.5	
IM1	Rainy	Rough	14:32	5.5	Surface	1.0	0.1	22	28.0	28.0	7.9	7.9	20.8	20.8	90.1	90.1	6.3	7.7	8	82	9	9	82	82	85	817957	807150	<0.2	1.5	1.5			
						1.0	0.1	22	28.0	28.0	7.9	7.9	20.8	20.8	90.1	90.1	6.3	7.7	9	82	9	9	82	82	85	817957	807150	<0.2	1.6				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85	817957		807150	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	85		817957	807150	<0.2
					Bottom	4.5	0.1	122	28.0	28.0	7.9	7.9	21.2	21.2	91.9	92.0	6.4	7.9	9	8	9	9	9	9	88	88	85	817957	807150		<0.2	1.4	
						4.5	0.1	131	28.0	28.0	7.9	7.9	21.2	21.2	92.0	92.0	6.4	7.9	9	8	9	9	9	9	88	88	85	817957	807150		<0.2	1.6	
IM2	Rainy	Rough	14:23	8.0	Surface	1.0	0.2	25	28.0	28.0	7.9	7.9	21.7	21.7	86.9	86.9	6.0	10.7	13	83	13	13	82	85	85	818174	806156	<0.2	1.6	1.7			
						1.0	0.2	27	28.0	28.0	7.9	7.9	21.7	21.7	86.9	86.9	6.0	10.7	13	83	13	13	82	85	85	818174	806156	<0.2	1.8				
					Middle	4.0	0.1	108	28.0	28.0	7.9	7.9	21.8	21.8	87.1	87.2	6.0	10.9	13	83	13	13	13	13	85	85	85	818174	806156		<0.2	1.9	
						4.0	0.1	115	28.0	28.0	7.9	7.9	21.8	21.8	87.2	87.2	6.1	10.9	13	83	13	13	13	13	86	86	85	818174	806156		<0.2	1.6	
					Bottom	7.0	0.1	131	28.0	28.0	7.9	7.9	21.9	21.9	88.0	88.1	6.1	10.8	13	83	13	13	13	13	13	88	88	85	818174		806156	<0.2	1.6
						7.0	0.1	140	28.0	28.0	7.9	7.9	21.9	21.9	88.1	88.1	6.1	10.7	13	83	13	13	13	13	13	88	88	85	818174		806156	<0.2	1.8
IM3	Rainy	Rough	14:15	8.2	Surface	1.0	0.3	15	28.0	28.0	7.9	7.9	21.4	21.4	86.3	86.3	6.0	10.5	10	82	10	10	82	85	85	818783	805601	<0.2	1.8	1.7			
						1.0	0.3	16	28.0	28.0	7.9	7.9	21.4	21.4	86.3	86.3	6.0	10.5	10	82	10	10	10	82	85	85	818783	805601	<0.2		1.8		
					Middle	4.1	0.1	-	28.0	28.0	7.9	7.9	21.8	21.8	86.0	86.0	6.0	13.8	10	85	10	10	10	10	86	86	85	818783	805601		<0.2	1.7	
						4.1	0.1	-	28.0	28.0	7.9	7.9	21.8	21.8	86.0	86.0	6.0	13.8	10	86	10	10	10	10	86	86	85	818783	805601		<0.2	1.7	
					Bottom	7.2	0.1	110	28.0	28.0	7.9	7.9	22.2	22.2	87.7	87.8	6.1	17.4	10	88	10	10	10	10	10	88	88	85	818783		805601	<0.2	1.6
						7.2	0.1	111	28.0	28.0	7.9	7.9	22.2	22.2	87.9	87.9	6.1	17.3	10	88	10	10	10	10	10	88	88	85	818783		805601	<0.2	1.6
IM4	Rainy	Rough	14:03	8.5	Surface	1.0	0.5	28	28.1	28.1	7.9	7.9	21.3	21.3	84.7	84.7	5.9	12.0	10	82	11	11	81	81	85	819745	804623	<0.2	1.8	1.8			
						1.0	0.5	28	28.1	28.1	7.9	7.9	21.3	21.3	84.6	84.6	5.9	12.1	11	81	11	11	11	81	81	85	819745	804623	<0.2		1.7		
					Middle	4.3	0.2	50	28.1	28.1	7.9	7.9	21.8	21.8	83.1	83.1	5.8	15.8	13	86	13	13	13	13	87	87	85	819745	804623		<0.2	1.7	
						4.3	0.2	51	28.1	28.1	7.9	7.9	21.8	21.8	83.1	83.1	5.8	15.9	13	87	13	13	13	13	87	87	85	819745	804623		<0.2	1.8	
					Bottom	7.5	0.1	7	28.0	28.0	7.9	7.9	22.6	22.6	83.1	83.2	5.7	18.8	15	88	15	15	15	15	88	88	85	819745	804623		<0.2	1.8	
						7.5	0.1	7	28.0	28.0	7.9	7.9	22.6	22.6	83.2	83.2	5.7	18.7	15	88	15	15	15	15	88	88	85	819745	804623		<0.2	1.8	
IM5	Rainy	Rough	13:51	7.5	Surface	1.0	0.4	8	28.1	28.1	7.9	7.9	20.9	20.9	86.2	86.2	6.0	12.9	11	80	12	12	81	81	83	820718	804845	<0.2	1.8	1.8			
						1.0	0.4	8	28.1	28.1	7.9	7.9	20.9	20.9	86.2	86.2	6.0	12.9	12	81	12	12	12	81	81	83	820718	804845	<0.2		1.7		
					Middle	3.8	0.3	5	28.1	28.1	7.9	7.9	21.2	21.2	84.9	84.9	5.9	15.9	13	83	13	13	13	13	84	84	83	820718	804845		<0.2	1.8	
						3.8	0.3	5	28.1	28.1	7.9	7.9	21.2	21.2	84.9	84.9	5.9	16.0	13	84	13	13	13	13	86	86	83	820718	804845		<0.2	1.8	
					Bottom	6.5	0.1	334	28.0	28.0	7.9	7.9	21.8	21.8	87.1																		

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
IM9	Cloudy	Moderate	14:11	8.0	Surface	1.0	0.4	82	28.2	28.2	7.9	7.9	19.2	19.2	85.1	85.2	6.0	6.0	15.3	9	83	86	822087	808819	<0.2	2.6	2.5					
						1.0	0.5	89	28.2	28.2	7.9	7.9	19.2	19.2	85.2	85.2	6.0	6.0	15.4	9	83	86	822087	808819	<0.2	2.4						
					Middle	4.0	0.5	80	28.1	28.1	8.0	8.0	21.3	21.3	85.0	85.0	5.9	5.9	15.5	11	87	86	822087	808819	<0.2	2.4						
						4.0	0.5	86	28.1	28.1	8.0	8.0	21.3	21.3	85.0	85.0	5.9	5.9	15.5	11	85	86	822087	808819	<0.2	2.5						
					Bottom	7.0	0.3	77	28.1	28.1	8.0	8.0	21.5	21.5	86.2	86.2	6.0	6.0	14.3	14	89	86	822087	808819	<0.2	2.6						
						7.0	0.3	84	28.1	28.1	8.0	8.0	21.5	21.5	86.2	86.2	6.0	6.0	14.3	14	90	86	822087	808819	<0.2	2.4						
IM10	Cloudy	Moderate	14:18	7.2	Surface	1.0	0.6	84	28.2	28.2	7.9	7.9	19.4	19.4	83.4	83.4	5.9	5.9	12.4	9	83	86	822410	809815	<0.2	2.7	2.6					
						1.0	0.6	90	28.2	28.2	7.9	7.9	19.4	19.4	83.4	83.4	5.9	5.9	12.4	9	82	86	822410	809815	<0.2	2.7						
					Middle	3.6	0.6	96	28.1	28.1	8.0	8.0	21.4	21.4	83.7	83.7	5.8	5.8	13.1	10	85	86	822410	809815	<0.2	2.5						
						3.6	0.6	101	28.1	28.1	8.0	8.0	21.4	21.4	83.7	83.7	5.8	5.8	13.1	10	86	86	822410	809815	<0.2	2.6						
					Bottom	6.2	0.5	93	28.1	28.1	7.9	7.9	21.5	21.5	87.8	87.8	6.1	6.1	17.3	12	88	86	822410	809815	<0.2	2.6						
						6.2	0.5	100	28.1	28.1	7.9	7.9	21.5	21.5	87.8	87.8	6.1	6.1	17.3	13	89	86	822410	809815	<0.2	2.5						
IM11	Cloudy	Moderate	14:27	7.6	Surface	1.0	0.6	87	28.1	28.1	8.0	8.0	19.7	19.7	81.2	81.1	5.7	5.7	13.3	11	83	86	822063	811452	<0.2	2.6	2.6					
						1.0	0.6	89	28.1	28.1	8.0	8.0	19.7	19.7	80.9	81.1	5.7	5.7	13.3	11	81	86	822063	811452	<0.2	2.6						
					Middle	3.8	0.6	95	28.1	28.1	8.0	8.0	20.8	20.8	79.7	79.7	5.6	5.6	14.3	10	87	86	822063	811452	<0.2	2.6						
						3.8	0.6	100	28.1	28.1	8.0	8.0	20.8	20.8	79.7	79.7	5.6	5.6	14.3	10	86	86	822063	811452	<0.2	2.6						
					Bottom	6.6	0.2	100	28.0	28.0	7.9	7.9	22.9	22.9	82.6	82.6	5.7	5.7	15.6	10	89	86	822063	811452	<0.2	2.5						
						6.6	0.2	100	28.0	28.0	7.9	7.9	22.9	22.9	82.6	82.6	5.7	5.7	15.6	11	89	86	822063	811452	<0.2	2.5						
IM12	Cloudy	Moderate	14:35	8.8	Surface	1.0	0.7	90	28.1	28.1	8.2	8.2	19.6	19.6	82.2	82.2	5.8	5.8	13.1	12	82	86	821471	812024	<0.2	2.4	2.5					
						1.0	0.7	95	28.1	28.1	8.2	8.2	19.6	19.6	82.2	82.2	5.8	5.8	13.1	12	83	86	821471	812024	<0.2	2.4						
					Middle	4.4	0.6	92	28.0	28.0	8.0	8.0	21.3	21.3	82.7	82.7	5.8	5.8	13.7	12	86	86	821471	812024	<0.2	2.4						
						4.4	0.6	100	28.0	28.0	8.0	8.0	21.3	21.3	82.7	82.7	5.8	5.8	13.7	11	85	86	821471	812024	<0.2	2.5						
					Bottom	7.8	0.4	110	28.0	28.0	8.0	8.0	22.1	22.1	85.8	85.8	5.9	5.9	13.8	12	88	86	821471	812024	<0.2	2.5						
						7.8	0.4	119	28.0	28.0	8.0	8.0	22.1	22.1	85.8	85.8	5.9	5.9	13.8	12	89	86	821471	812024	<0.2	2.8						
SR2	Cloudy	Moderate	14:58	4.6	Surface	1.0	0.8	71	28.1	28.1	8.0	8.0	19.9	19.9	82.2	82.2	5.8	5.8	14.4	13	83	86	821490	814161	<0.2	2.5	2.6					
						1.0	0.8	73	28.1	28.1	8.0	8.0	19.9	19.9	82.2	82.2	5.8	5.8	14.4	14	81	86	821490	814161	<0.2	2.6						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
					Bottom	3.6	0.4	78	28.0	28.0	7.9	7.9	22.1	22.1	83.4	83.4	5.8	5.8	14.2	15	87	86	821490	814161	<0.2	2.5						
						3.6	0.4	79	28.0	28.0	7.9	7.9	22.1	22.1	83.4	83.4	5.8	5.8	14.2	16	85	86	821490	814161	<0.2	2.6						
SR3	Rainy	Moderate	14:00	9.3	Surface	1.0	0.4	32	28.3	28.3	7.8	7.8	18.3	18.3	81.9	81.9	5.8	5.8	13.0	7	-	-	822142	807591	-	-	-					
						1.0	0.4	32	28.3	28.3	7.8	7.8	18.3	18.3	81.9	81.9	5.8	5.8	13.0	7	-	-	822142	807591	-	-						
					Middle	4.7	0.3	74	28.2	28.2	7.9	7.9	20.4	20.4	84.6	84.6	5.9	5.9	18.1	8	-	-	822142	807591	-	-						
						4.7	0.4	74	28.2	28.2	7.9	7.9	20.4	20.4	84.6	84.6	5.9	5.9	18.1	8	-	-	822142	807591	-	-						
					Bottom	8.3	0.1	277	28.2	28.2	7.9	7.9	21.0	21.0	88.4	88.4	6.1	6.1	16.6	8	-	-	822142	807591	-	-						
						8.3	0.1	294	28.2	28.2	7.9	7.9	21.0	21.0	88.4	88.4	6.1	6.1	16.6	9	-	-	822142	807591	-	-						
SR4A	Rainy	Moderate	15:14	9.6	Surface	1.0	0.3	85	28.0	28.0	7.9	7.9	21.1	21.1	87.4	87.4	6.1	6.1	17.0	11	-	-	817169	807790	-	-	-					
						1.0	0.3	91	28.0	28.0	7.9	7.9	21.1	21.1	87.4	87.4	6.1	6.1	17.0	12	-	-	817169	807790	-	-						
					Middle	4.8	0.2	78	28.0	28.0	7.9	7.9	21.2	21.2	87.4	87.4	6.1	6.1	18.5	12	-	-	817169	807790	-	-						
						4.8	0.2	81	28.0	28.0	7.9	7.9	21.2	21.2	87.4	87.4	6.1	6.1	18.6	12	-	-	817169	807790	-	-						
					Bottom	8.6	0.2	73	28.0	28.0	7.9	7.9	21.3	21.3	88.4	88.5	6.2	6.2	20.1	14	-	-	817169	807790	-	-						
						8.6	0.2	74	28.0	28.0	7.9	7.9	21.3	21.3	88.5	88.5	6.2	6.2	20.0	14	-	-	817169	807790	-	-						
SR5A	Rainy	Moderate	15:30	5.3	Surface	1.0	0.1	39	27.7	27.7	7.9	7.9	22.1	22.1	81.7	81.7	5.7	5.7	8.0	9	-	-	816594	810715	-	-	-					
						1.0	0.1	40	27.7	27.7	7.9	7.9	22.1	22.1	81.7	81.7	5.7	5.7	7.9	10	-	-	816594	810715	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
					Bottom	4.3	0.1	142	27.8	27.8	7.9	7.9	22.3	22.3	85.2	85.3	5.9	5.9	8.6	13	-	-	816594	810715	-	-						
						4.3	0.1	149	27.8	27.8	7.9	7.9	22.3	22.3	85.3	85.3	5.9	5.9	8.7	14	-	-	816594	810715	-	-						
SR6	Rainy	Moderate	16:08	4.9	Surface	1.0	0.1	28	27.9	27.9	7.9	7.9	21.6	21.6	79.3	79.4	5.5	5.5	11.3	11	-	-	817884	814667	-	-	-					
						1.0	0.1	28	27.9	27.9	7.9	7.9	21.6	21.6	79.5	79.4	5.5	5.5	11.4	10	-	-	817884	814667	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-		
					Bottom	3.9	0.1	118	27.9	27.9	7.9	7.9	22.5	22.5	85.9	86.1	5.9	5.9	14.3	12	-	-	817884	814667	-	-						
						3.9	0.1	122	27.9	27.9	7.9	7.9	22.5	22.5	86.3	86.1	6.0	6.0	14.4	12	-	-	817884	814667	-	-						
SR7	Cloudy	Moderate	15:41	16.5	Surface	1.0	0.8	77	27.6	27.6	7.9	7.9	23.6	23.6	76.6	76.6	5.3	5.3	8.9	5	-</											

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

Water Quality Monitoring

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

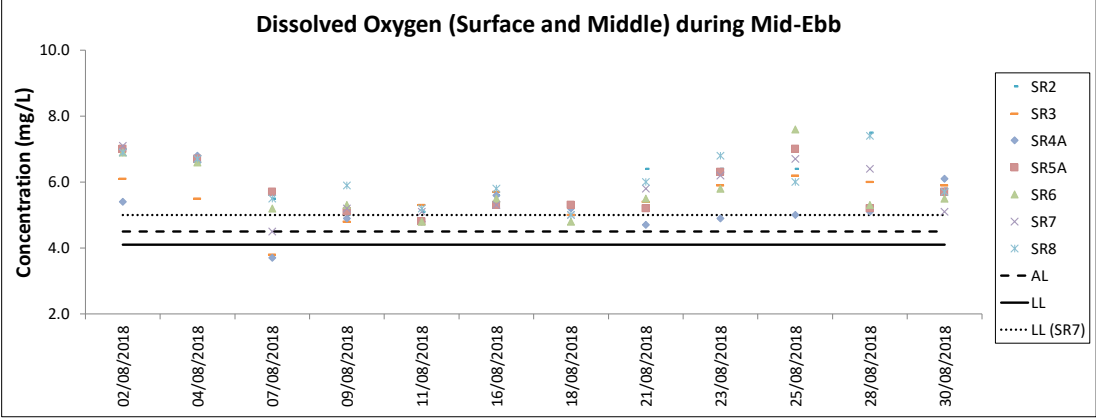
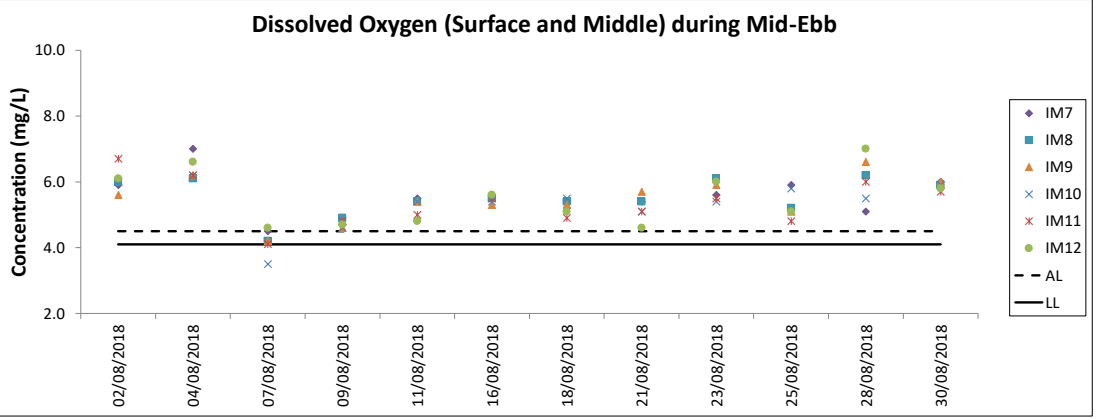
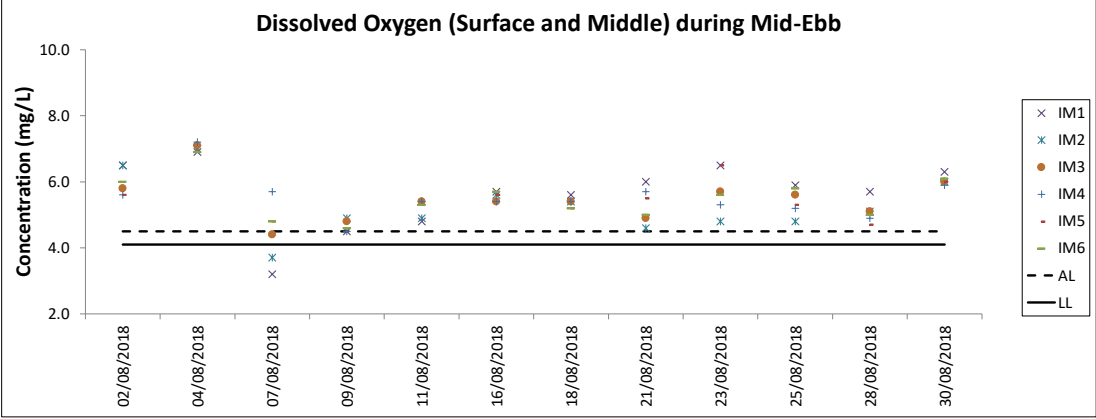
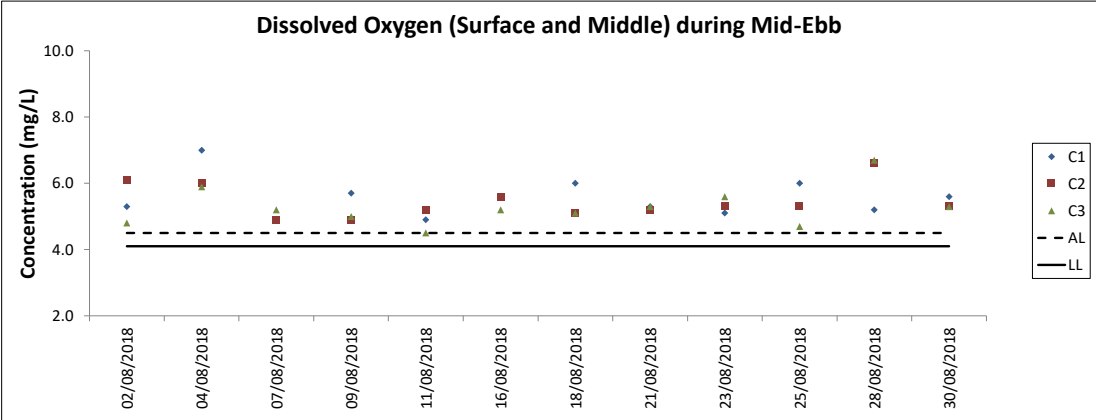
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	09:38	9.1	Surface	1.0	0.7	39	28.1	7.9	7.9	19.3	19.3	86.8	86.8	6.1	6.0	14.2	17.3	11	12	82	86	815641	804249	<0.2	<0.2	1.6	1.5			
						1.0	0.8	40	28.1	7.9	7.9	19.3	19.3	86.7	86.8	6.1	6.0	14.4	17.3	11	12	83	86	<0.2	<0.2	1.6	1.5					
					Middle	4.6	0.7	44	28.0	7.9	7.9	21.9	21.9	82.9	82.9	5.8	5.8	17.2	17.3	12	12	85	85	<0.2	<0.2	1.5	1.4					
						4.6	0.7	44	28.0	7.9	7.9	21.9	21.9	82.9	82.9	5.8	5.8	17.0	17.3	12	12	85	85	<0.2	<0.2	1.5	1.4					
					Bottom	8.1	0.5	44	27.9	7.9	7.9	23.4	23.4	80.8	80.8	5.6	5.6	20.5	20.5	13	13	89	89	<0.2	<0.2	1.4	1.4					
						8.1	0.5	48	27.9	7.9	7.9	23.4	23.4	80.8	80.8	5.6	5.6	20.3	20.3	13	13	89	89	<0.2	<0.2	1.6	1.6					
C2	Cloudy	Moderate	10:26	12.2	Surface	1.0	0.6	353	28.3	7.8	7.8	16.6	16.6	78.4	78.4	5.6	5.3	11.0	14.2	7	7	77	83	825699	806966	<0.2	<0.2	2.6	2.5			
						1.0	0.6	358	28.3	7.8	7.8	16.6	16.6	78.4	78.4	5.6	5.3	11.0	14.2	6	7	79	83	<0.2	<0.2	2.6	2.5					
					Middle	6.1	0.4	16	28.3	7.8	7.8	19.9	19.9	72.2	72.2	5.0	5.0	14.9	14.2	6	7	83	83	<0.2	<0.2	3.0	2.0					
						6.1	0.4	17	28.3	7.8	7.8	19.9	19.9	72.2	72.2	5.0	5.0	15.1	14.2	7	7	84	89	<0.2	<0.2	2.0	2.4					
					Bottom	11.2	0.4	316	28.2	7.8	7.8	21.2	21.2	76.4	76.4	5.3	5.3	16.7	16.7	8	8	89	86	<0.2	<0.2	2.4	2.5					
						11.2	0.4	339	28.2	7.8	7.8	21.2	21.2	76.4	76.4	5.3	5.3	16.7	16.7	7	7	86	86	<0.2	<0.2	2.5	2.5					
C3	Rainy	Moderate	08:33	11.5	Surface	1.0	0.6	270	28.1	7.9	7.9	21.0	21.0	77.2	77.2	5.4	5.3	10.9	14.1	7	8	89	88	822106	817786	<0.2	<0.2	2.6	2.6			
						1.0	0.7	293	28.1	7.9	7.9	21.0	21.0	77.2	77.2	5.4	5.3	10.9	14.1	7	8	87	87	<0.2	<0.2	2.5	2.5					
					Middle	5.8	0.7	254	28.0	7.9	7.9	22.7	22.7	73.4	73.4	5.1	5.1	12.5	14.1	8	8	87	88	<0.2	<0.2	2.6	2.6					
						5.8	0.8	277	28.0	7.9	7.9	22.7	22.7	73.4	73.4	5.1	5.1	12.5	14.1	8	8	86	88	<0.2	<0.2	2.5	2.5					
					Bottom	10.5	0.5	278	27.8	7.9	7.9	24.1	24.1	72.1	72.1	5.0	5.0	18.9	18.9	9	9	88	89	<0.2	<0.2	2.9	2.5					
						10.5	0.5	296	27.8	7.9	7.9	24.1	24.1	72.1	72.1	5.0	5.0	18.9	18.9	9	9	89	89	<0.2	<0.2	2.5	2.5					
IM1	Cloudy	Moderate	09:46	5.8	Surface	1.0	0.4	6	27.9	7.9	7.9	22.2	22.2	86.9	86.9	6.0	6.0	16.6	18.9	17	18	82	86	817925	807151	<0.2	<0.2	1.4	1.5			
						1.0	0.4	6	27.9	7.9	7.9	22.2	22.2	86.9	86.9	6.0	6.0	16.6	18.9	17	18	83	89	<0.2	<0.2	1.4	1.6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.8	0.4	13	27.9	7.9	7.9	22.2	22.2	87.6	87.7	6.1	6.1	21.2	21.2	18	18	89	90	<0.2	<0.2	1.5	1.6					
						4.8	0.4	13	27.9	7.9	7.9	22.2	22.2	87.7	87.7	6.1	6.1	21.2	21.2	18	18	90	90	<0.2	<0.2	1.6	1.6					
IM2	Cloudy	Moderate	09:52	8.2	Surface	1.0	0.7	27	28.0	7.9	7.9	22.0	22.0	86.7	86.7	6.0	6.0	11.1	16.5	10	14	81	84	818185	806160	<0.2	<0.2	1.2	1.4			
						1.0	0.8	28	28.0	7.9	7.9	22.0	22.0	86.7	86.7	6.0	6.0	11.1	16.5	10	14	80	84	<0.2	<0.2	1.4	1.4					
					Middle	4.1	0.6	24	28.0	7.9	7.9	22.1	22.1	85.4	85.4	5.9	5.9	17.7	16.5	14	14	84	88	<0.2	<0.2	1.6	1.6					
						4.1	0.6	24	28.0	7.9	7.9	22.1	22.1	85.4	85.4	5.9	5.9	17.9	16.5	14	14	84	88	<0.2	<0.2	1.4	1.4					
					Bottom	7.2	0.6	17	28.1	7.9	7.9	22.3	22.3	84.9	84.9	5.9	5.9	20.7	20.6	17	18	88	89	<0.2	<0.2	1.4	1.5					
						7.2	0.6	18	28.1	7.9	7.9	22.3	22.3	84.9	84.9	5.9	5.9	20.6	20.6	18	18	89	89	<0.2	<0.2	1.5	1.5					
IM3	Cloudy	Moderate	10:00	8.0	Surface	1.0	0.7	19	28.1	7.9	7.9	21.7	21.7	85.2	85.2	5.9	5.9	17.0	19.5	10	12	81	86	818764	805600	<0.2	<0.2	1.6	1.5			
						1.0	0.7	19	28.1	7.9	7.9	21.7	21.7	85.2	85.2	5.9	5.9	17.1	19.5	11	12	81	86	<0.2	<0.2	1.5	1.5					
					Middle	4.0	0.4	25	28.1	7.9	7.9	22.2	22.2	83.6	83.6	5.8	5.8	19.4	19.5	12	12	86	86	<0.2	<0.2	1.4	1.4					
						4.0	0.5	25	28.1	7.9	7.9	22.2	22.2	83.6	83.6	5.8	5.8	19.6	19.5	12	12	86	86	<0.2	<0.2	1.4	1.4					
					Bottom	7.0	0.4	21	28.1	7.9	7.9	22.3	22.3	83.8	83.9	5.8	5.8	21.9	21.9	14	14	90	91	<0.2	<0.2	1.6	1.4					
						7.0	0.4	22	28.1	7.9	7.9	22.3	22.3	83.9	83.9	5.8	5.8	21.9	21.9	14	14	91	91	<0.2	<0.2	1.4	1.4					
IM4	Cloudy	Moderate	10:09	8.3	Surface	1.0	0.9	26	28.1	7.9	7.9	20.1	20.1	87.6	87.6	6.1	5.9	11.9	15.3	10	11	81	85	819741	804586	<0.2	<0.2	1.4	1.5			
						1.0	0.9	27	28.1	7.9	7.9	20.1	20.1	87.5	87.6	6.1	5.9	12.0	15.3	10	11	80	85	<0.2	<0.2	1.3	1.7					
					Middle	4.2	0.5	31	28.1	7.9	7.9	21.9	21.9	82.4	82.4	5.7	5.7	15.9	15.3	10	11	84	85	<0.2	<0.2	1.6	1.6					
						4.2	0.5	33	28.1	7.9	7.9	21.9	21.9	82.4	82.4	5.7	5.7	15.7	15.3	10	11	85	85	<0.2	<0.2	1.6	1.5					
					Bottom	7.3	0.4	18	28.1	7.9	7.9	22.0	22.0	83.7	83.8	5.8	5.8	18.0	18.2	12	11	90	89	<0.2	<0.2	1.6	1.5					
						7.3	0.5	19	28.1	7.9	7.9	22.0	22.0	83.8	83.8	5.8	5.8	18.2	18.2	11	11	89	89	<0.2	<0.2	1.5	1.5					
IM5	Cloudy	Moderate	10:16	7.4	Surface	1.0	0.6	21	28.1	7.9	7.9	20.2	20.2	87.3	87.3	6.1	6.1	16.2	19.5	9	10	80	85	820723	804853	<0.2	<0.2	1.7	1.6			
						1.0	0.7	22	28.1	7.9	7.9	20.2	20.2	87.3	87.3	6.1	6.1	16.5	19.5	9	10	80	85	<0.2	<0.2	1.7	1.7					
					Middle	3.7	0.6	11	28.1	7.9	7.9	20.9	20.9	85.5	85.5	6.0	6.0	19.6	19.5	10	10	85	86	<0.2	<0.2	1.6	1.5					
						3.7	0.7	11	28.1	7.9	7.9	20.9	20.9	85.5	85.5	6.0	6.0	19.7	19.5	10	10	86	86	<0.2	<0.2	1.5	1.5					
					Bottom	6.4	0.5	15	28.1	7.9	7.9	21.2	21.2	86.3	86.4	6.0	6.0	22.6	22.5	12	12	89	89	<0.2	<0.2	1.6	1.6					
						6.4	0.6	15	28.1	7.9	7.9	21.2	21.2	86.4	86.4	6.0	6.0	22.5	22.5	12	12	89	89	<0.2	<0.2	1.6	1.6					
IM6	Cloudy	Moderate	10:26	7.8	Surface	1.0	0.4	34	28.1	7.9	7.9	21.3	21.3	85.3	85.3	5.9	5.9	14.0	16.9	14	16	80	84	821046	805837	<0.2	<0.2	1.6	1.6			
						1.0	0.4	36	28.1	7.9	7.9	21.3	21.3	85.3	85.3	5.9	5.9	14.1	16.9	14	16	80	84	<0.2	<0.2	1.6	1.8					
					Middle	3.9	0.4	41	28.1	7.9	7.9	21.4	21.4	85.4	85.4	5.9	5.9	15.9	16.9	16	16	84	84	<0.2	<0.2	1.7	1.7					
						3.9	0.4	44	28.1	7.9	7.9	21.4																				

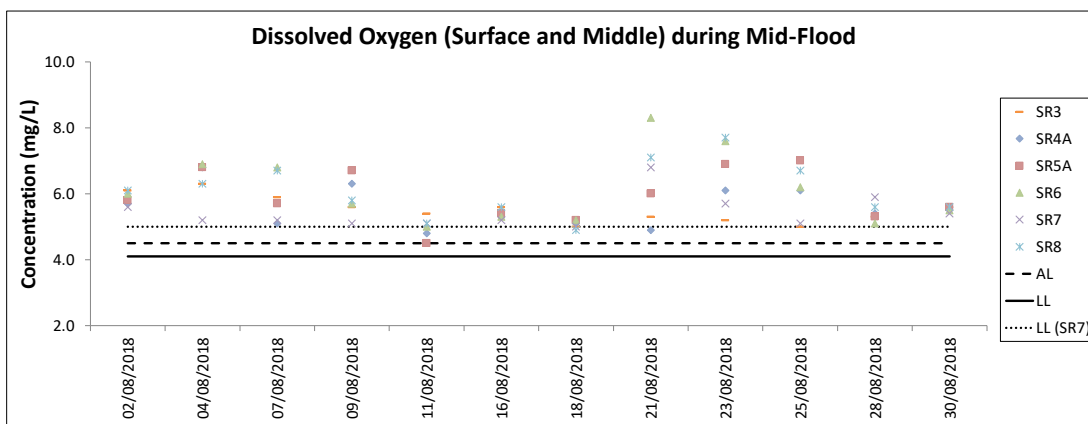
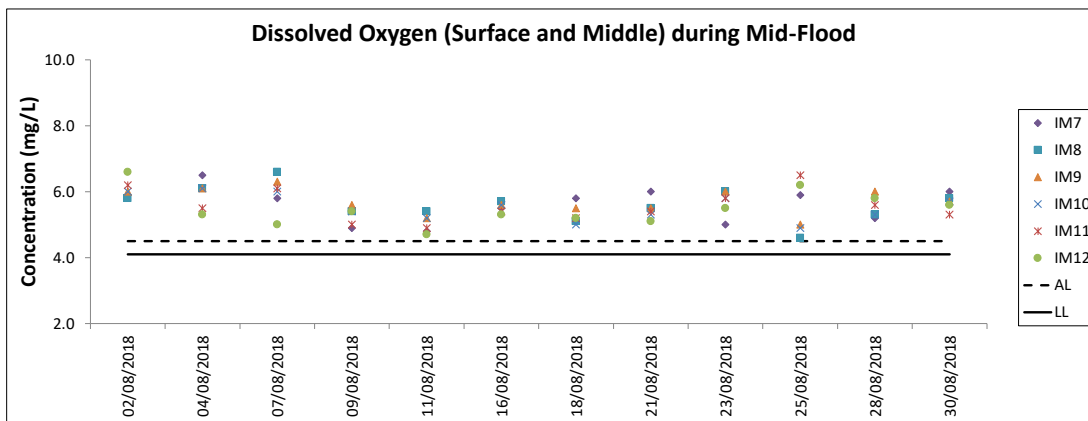
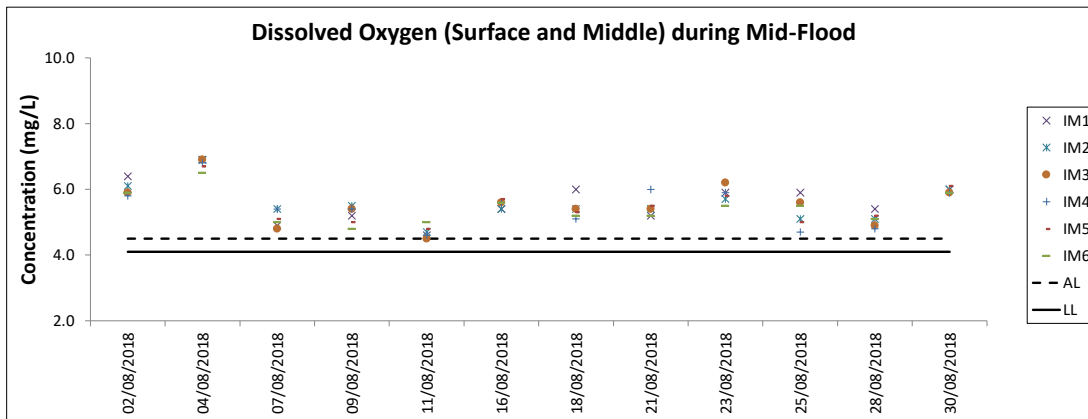
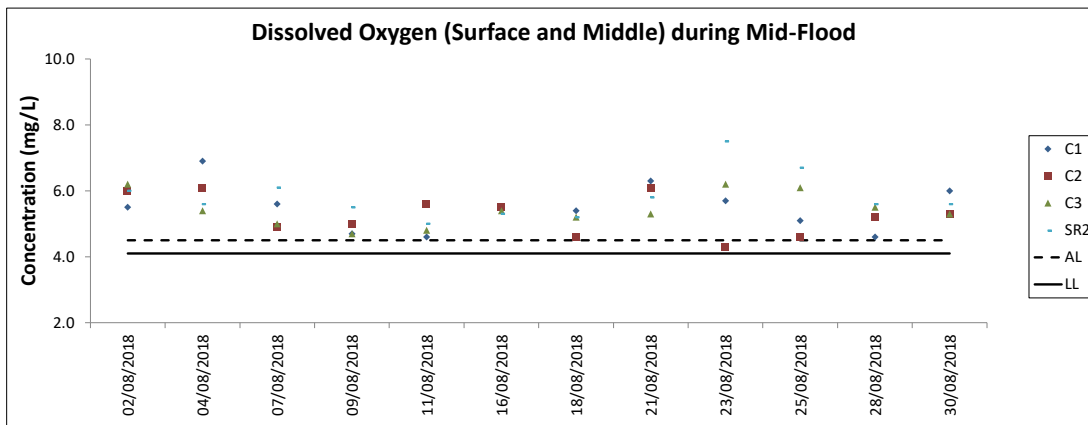
Expansion of Hong Kong International Airport into a Three-Runway System

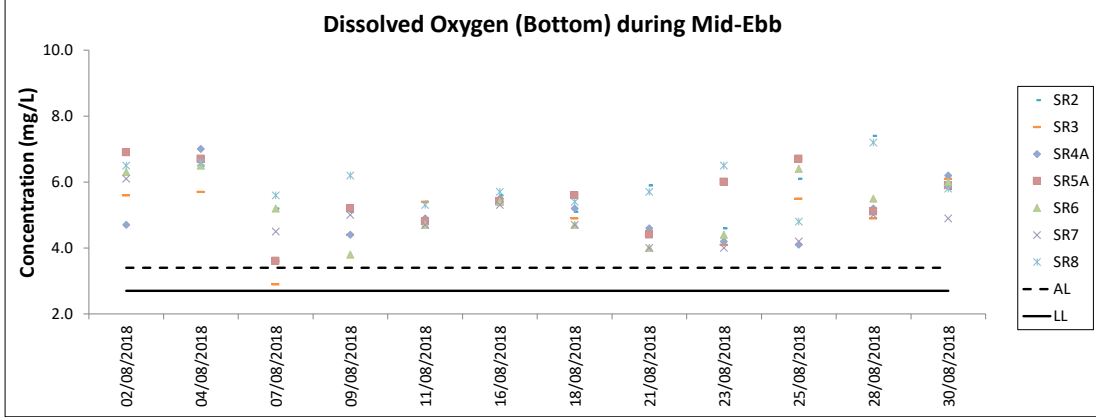
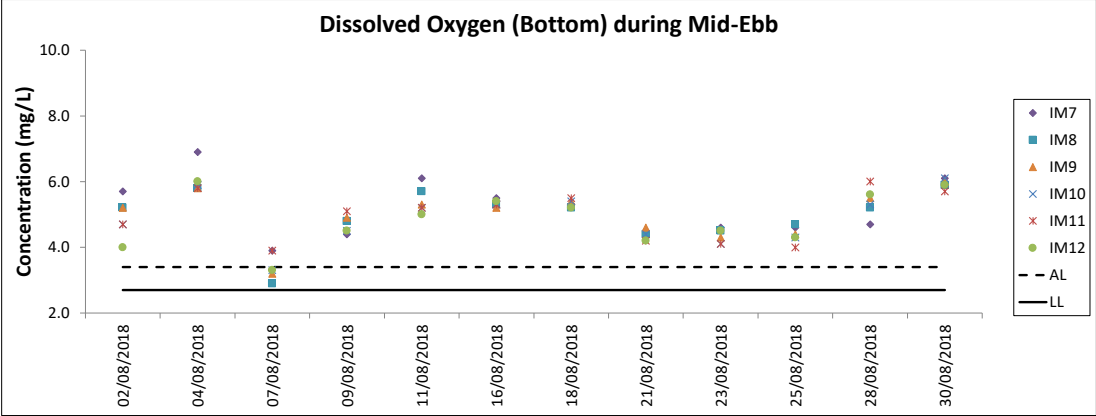
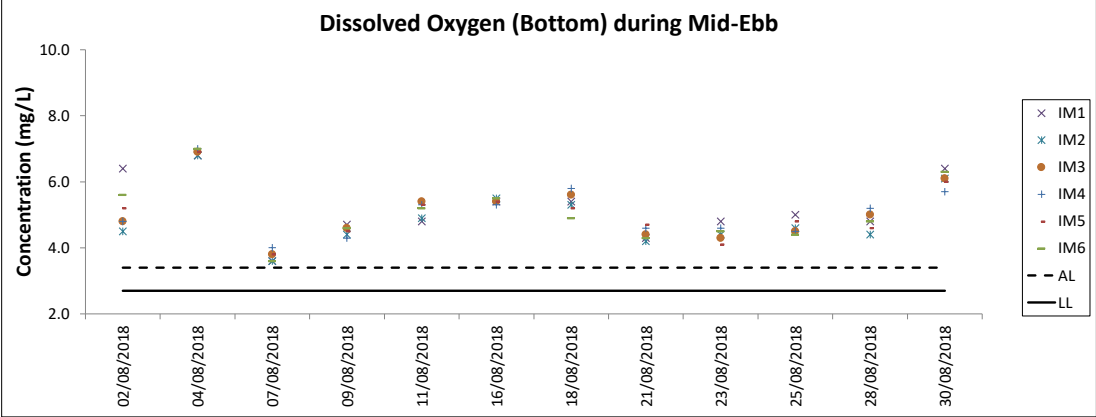
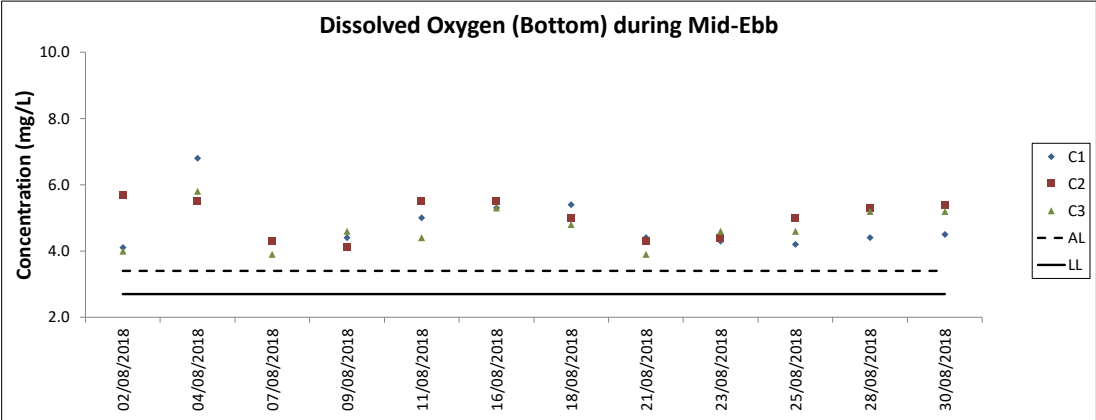
Water Quality Monitoring

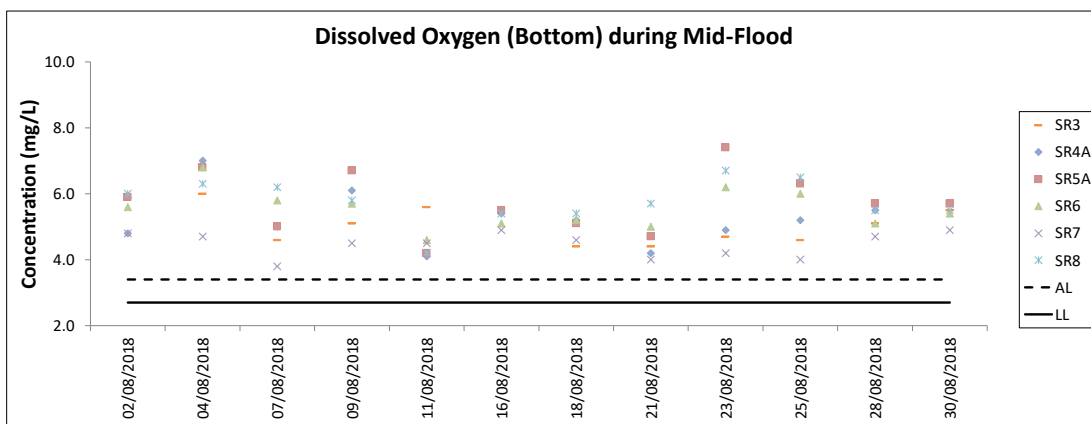
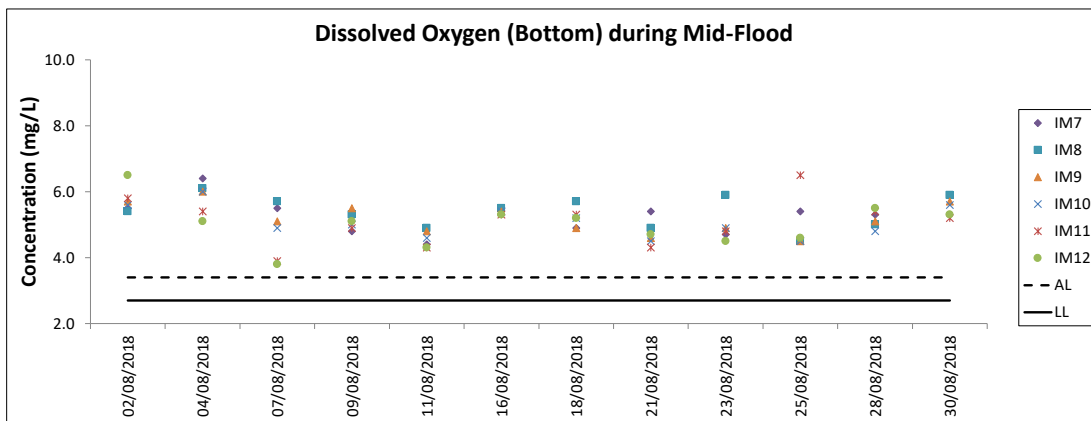
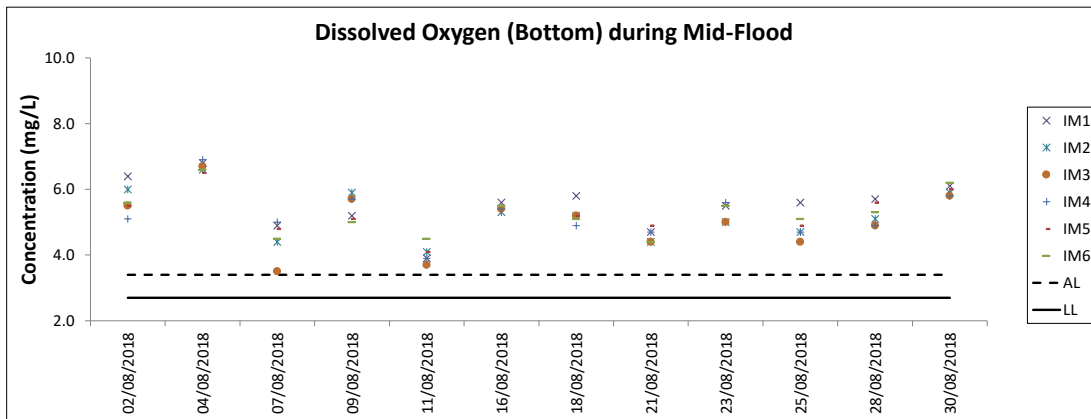
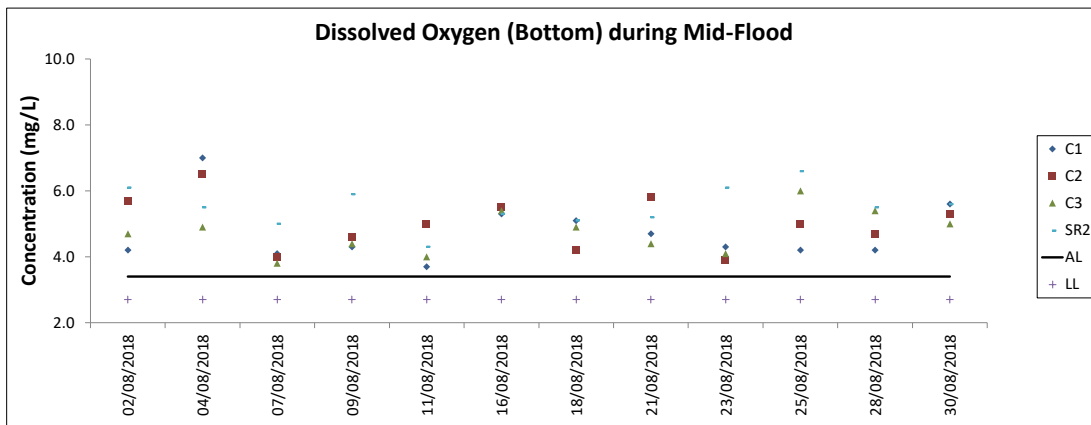
Water Quality Monitoring Results on 30 August 18 during Mid-Flood Tide

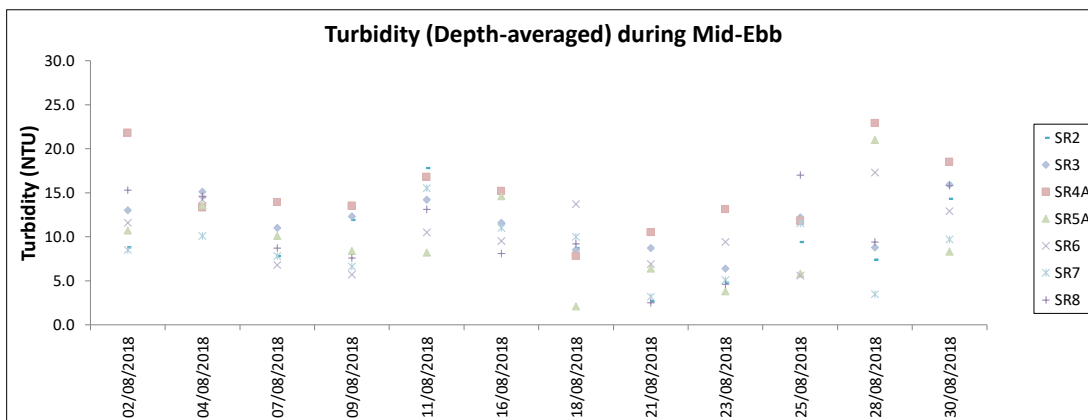
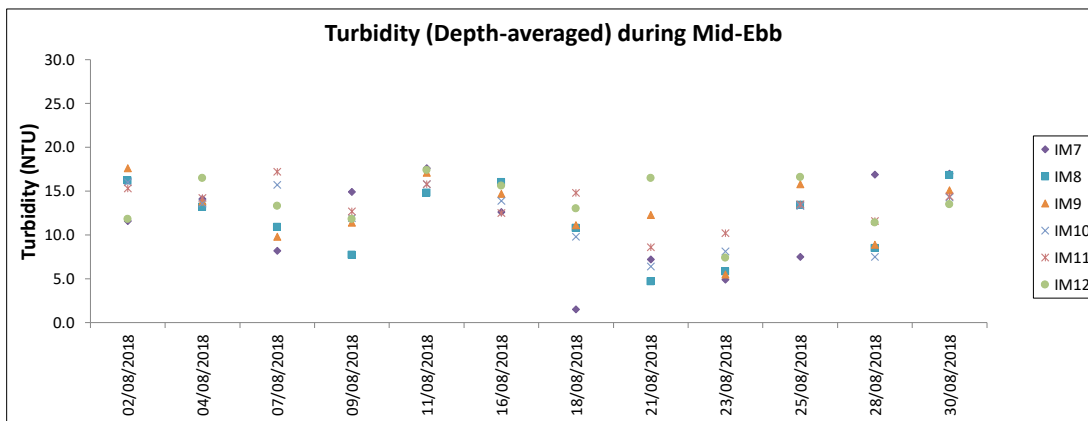
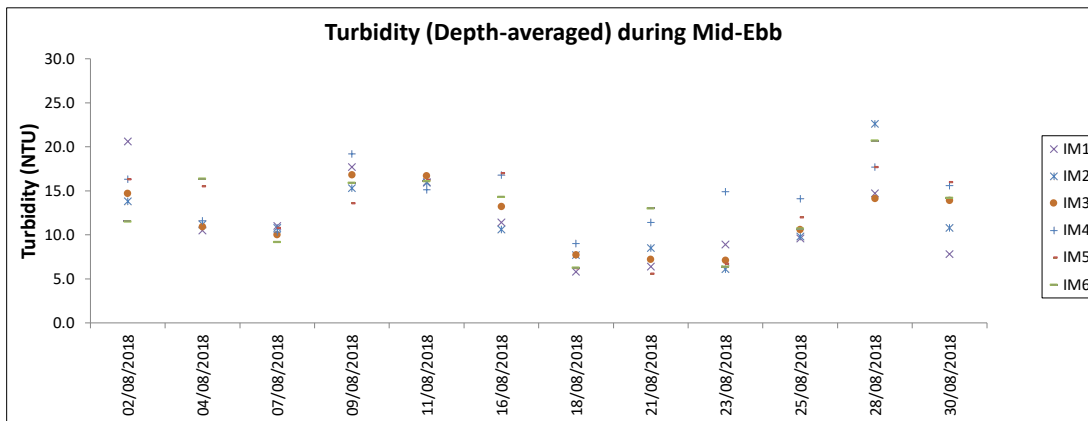
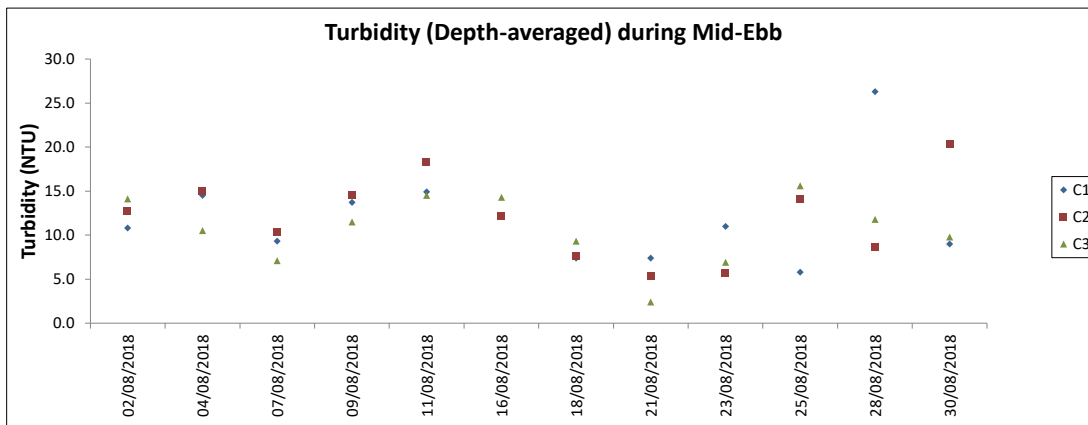
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value	Value	Value
IM9	Rainy	Moderate	09:51	9.1	Surface	1.0	0.1	32	28.2	28.2	7.9	7.9	18.8	18.8	80.8	80.8	5.7	5.7	15.2	17.1	12	13	81	84	822100	808792	<0.2	<0.2	2.9	2.6				
						1.0	0.1	34	28.2	28.2	7.9	7.9	18.8	18.8	80.8	80.8	5.7	5.7	15.2	17.1	12	13	81	84			<0.2	<0.2	2.9	2.6				
					Middle	4.6	0.1	317	28.2	28.2	7.9	7.9	19.0	19.0	80.1	80.1	5.6	5.6	18.9	17.1	12	13	84	84			<0.2	<0.2	2.8	2.8				
						4.6	0.1	342	28.2	28.2	7.9	7.9	19.0	19.0	80.1	80.1	5.6	5.6	18.9	17.1	13	13	84	84			<0.2	<0.2	2.8	2.8				
					Bottom	8.1	0.3	288	28.2	28.2	7.9	7.9	19.3	19.3	80.7	80.7	5.7	5.7	17.1	17.1	14	14	86	87			<0.2	<0.2	2.3	2.3				
						8.1	0.3	288	28.2	28.2	7.9	7.9	19.3	19.3	80.7	80.7	5.7	5.7	17.1	17.1	14	14	86	87			<0.2	<0.2	2.3	2.3				
IM10	Rainy	Moderate	09:43	8.9	Surface	1.0	0.7	309	28.2	28.2	7.9	7.9	19.0	19.0	81.0	81.0	5.7	5.7	16.8	16.0	8	12	81	85	822360	809805	<0.2	<0.2	2.8	2.7				
						1.0	0.8	334	28.2	28.2	7.9	7.9	19.0	19.0	81.0	81.0	5.7	5.7	16.8	16.0	8	12	82	85			<0.2	<0.2	2.6	2.8				
					Middle	4.5	0.4	315	28.2	28.2	7.9	7.9	20.9	20.9	80.0	80.0	5.6	5.6	15.1	16.0	13	12	85	85			<0.2	<0.2	2.8	2.8				
						4.5	0.4	336	28.2	28.2	7.9	7.9	20.9	20.9	80.0	80.0	5.6	5.6	15.1	16.0	14	12	85	85			<0.2	<0.2	2.9	2.8				
					Bottom	7.9	0.4	310	28.2	28.2	7.9	7.9	21.0	21.0	81.2	81.2	5.6	5.6	16.1	16.1	13	12	88	88			<0.2	<0.2	2.4	2.4				
						7.9	0.4	318	28.2	28.2	7.9	7.9	21.0	21.0	81.2	81.2	5.6	5.6	16.1	16.1	13	12	88	88			<0.2	<0.2	2.4	2.4				
IM11	Rainy	Moderate	09:33	7.6	Surface	1.0	0.7	294	28.2	28.2	7.9	7.9	19.4	19.4	77.2	77.2	5.4	5.3	14.0	15.1	7	8	83	85	822050	811469	<0.2	<0.2	2.7	2.8				
						1.0	0.7	314	28.2	28.0	7.9	7.9	19.4	19.4	77.2	77.2	5.4	5.3	14.0	15.1	7	8	83	85			<0.2	<0.2	2.8	2.8				
					Middle	3.8	0.4	278	28.0	28.0	7.9	7.9	21.8	21.8	73.4	73.4	5.1	5.2	13.2	15.1	8	8	85	92			<0.2	<0.2	2.9	2.7				
						3.8	0.5	281	28.0	28.0	7.9	7.9	21.8	21.8	73.4	73.4	5.1	5.2	13.2	15.1	8	8	85	92			<0.2	<0.2	2.7	2.7				
					Bottom	6.6	0.2	287	27.9	27.9	7.9	7.9	23.1	23.1	75.6	75.6	5.2	5.2	18.2	18.2	9	8	92	90			<0.2	<0.2	2.7	2.7				
						6.6	0.3	299	27.9	27.9	7.9	7.9	23.1	23.1	75.6	75.6	5.2	5.2	18.2	18.2	8	8	90	90			<0.2	<0.2	2.7	2.7				
IM12	Rainy	Moderate	09:27	7.4	Surface	1.0	0.6	286	28.2	28.2	7.9	7.9	19.4	19.4	80.8	80.8	5.7	5.6	12.3	16.4	6	7	81	84	821450	812042	<0.2	<0.2	2.8	2.8				
						1.0	0.6	286	28.2	28.1	7.9	7.9	19.4	19.4	80.7	80.7	5.7	5.6	12.3	16.4	6	7	81	84			<0.2	<0.2	2.7	2.8				
					Middle	3.7	0.6	284	28.1	28.1	7.9	7.9	21.3	21.3	77.6	77.6	5.4	5.3	18.0	16.4	7	7	84	85			<0.2	<0.2	2.8	2.8				
						3.7	0.6	308	28.1	28.1	7.9	7.9	21.3	21.3	77.6	77.6	5.4	5.3	18.0	16.4	6	7	85	85			<0.2	<0.2	2.7	2.8				
					Bottom	6.4	0.4	270	28.0	28.0	7.9	7.9	22.9	22.9	77.3	77.3	5.3	5.3	18.8	18.8	9	8	90	89			<0.2	<0.2	2.7	2.8				
						6.4	0.5	292	28.0	28.0	7.9	7.9	22.9	22.9	77.3	77.3	5.3	5.3	18.8	18.8	8	8	89	89			<0.2	<0.2	2.8	2.8				
SR2	Rainy	Moderate	08:59	4.9	Surface	1.0	0.2	342	28.1	28.1	7.9	7.9	20.0	20.0	79.6	79.6	5.6	5.6	13.3	14.6	9	11	84	85	821447	814178	<0.2	<0.2	2.7	2.8				
						1.0	0.3	315	28.1	28.1	7.9	7.9	20.0	20.0	79.6	79.6	5.6	5.6	13.3	14.6	10	11	85	85			<0.2	<0.2	2.7	2.7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					Bottom	3.9	0.1	120	28.1	28.1	7.9	7.9	21.7	21.7	80.5	80.5	5.6	5.6	15.9	15.9	12	11	87	86			<0.2	<0.2	2.8	2.9				
						3.9	0.1	129	28.1	28.1	7.9	7.9	21.7	21.7	80.5	80.5	5.6	5.6	15.9	15.9	12	11	86	86			<0.2	<0.2	2.8	2.9				
SR3	Cloudy	Moderate	10:07	8.9	Surface	1.0	0.3	3	28.3	28.3	7.8	7.8	17.1	17.1	80.3	80.3	5.7	5.6	18.3	17.4	6	8	-	-	822120	807543	-	-	-	-				
						1.0	0.3	3	28.3	28.2	7.8	7.8	17.1	17.1	80.3	80.3	5.7	5.6	18.3	17.4	6	8	-	-			-	-	-	-				
					Middle	4.5	0.3	15	28.2	28.2	7.8	7.8	18.6	18.6	77.9	77.9	5.5	5.5	14.9	17.4	8	8	-	-			-	-	-	-				
						4.5	0.3	15	28.2	28.3	7.8	7.8	18.6	18.6	77.9	77.9	5.5	5.5	14.9	17.4	8	8	-	-			-	-	-	-				
					Bottom	7.9	0.2	23	28.3	28.3	7.8	7.8	19.2	19.2	78.5	78.5	5.5	5.5	18.6	17.4	9	8	-	-			-	-	-	-				
						7.9	0.2	24	28.3	28.3	7.8	7.8	19.2	19.2	78.5	78.5	5.5	5.5	18.6	17.4	10	8	-	-			-	-	-	-				
SR4A	Cloudy	Moderate	09:23	9.5	Surface	1.0	0.2	279	27.8	27.8	7.9	7.9	22.3	22.3	80.4	80.4	5.6	5.6	11.7	13.9	14	16	-	-	817186	807803	-	-	-	-				
						1.0	0.2	297	27.8	27.8	7.9	7.9	22.3	22.3	80.4	80.4	5.6	5.6	11.7	13.9	14	16	-	-			-	-						
					Middle	4.8	0.3	266	27.8	27.8	7.9	7.9	22.3	22.3	80.3	80.3	5.6	5.6	12.7	13.9	15	16	-	-			-	-						
						4.8	0.3	268	27.8	27.8	7.9	7.9	22.3	22.3	80.4	80.4	5.6	5.6	12.7	13.9	16	16	-	-			-	-						
					Bottom	8.5	0.3	273	27.8	27.8	7.9	7.9	22.4	22.4	82.0	82.0	5.7	5.7	17.2	13.9	18	16	-	-			-	-						
						8.5	0.3	285	27.8	27.8	7.9	7.9	22.4	22.4	82.1	82.1	5.7	5.7	17.3	13.9	18	16	-	-			-	-						
SR5A	Rainy	Calm	09:07	4.9	Surface	1.0	0.3	331	27.8	27.8	7.9	7.9	22.5	22.5	80.4	80.4	5.6	5.6	11.2	11.2	14	15	-	-	816587	810724	-	-	-	-				
						1.0	0.4	350	27.8	27.8	7.9	7.9	22.5	22.5	80.4	80.4	5.6	5.6	11.1	11.2	14	15	-	-			-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-				
					Bottom	3.9	0.3	28	27.8	27.8	7.9	7.9	22.6	22.6	81.6	81.6	5.7	5.7	11.3	11.2	16	16	-	-			-	-						
						3.9	0.3	28	27.8	27.8	7.9	7.9	22.6	22.6	81.8	81.8	5.7	5.7	11.2	11.2	16	16	-	-			-	-						
SR6	Rainy	Calm	08:45	4.4	Surface	1.0	0.1	258	28.0	28.0	7.9	7.9	21.9	21.9	79.2	79.2	5.5	5.5	9.3	9.2	12	12	-	-	817870	814638	-	-	-	-				
						1.0	0.1	263	28.0	28.0	7.9	7.9	21.9	21.9	79.2	79.2	5.5	5.5	9.3	9.2	12	12	-	-			-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-				
						-	-	-	-	-																								



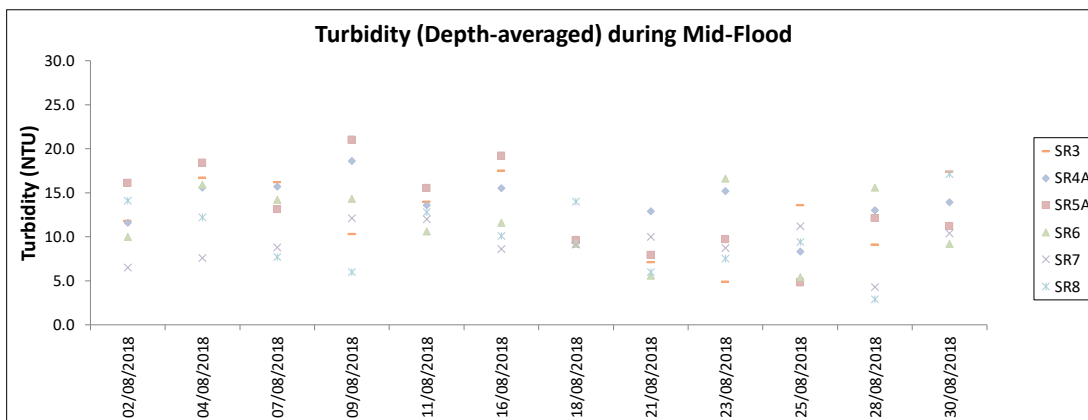
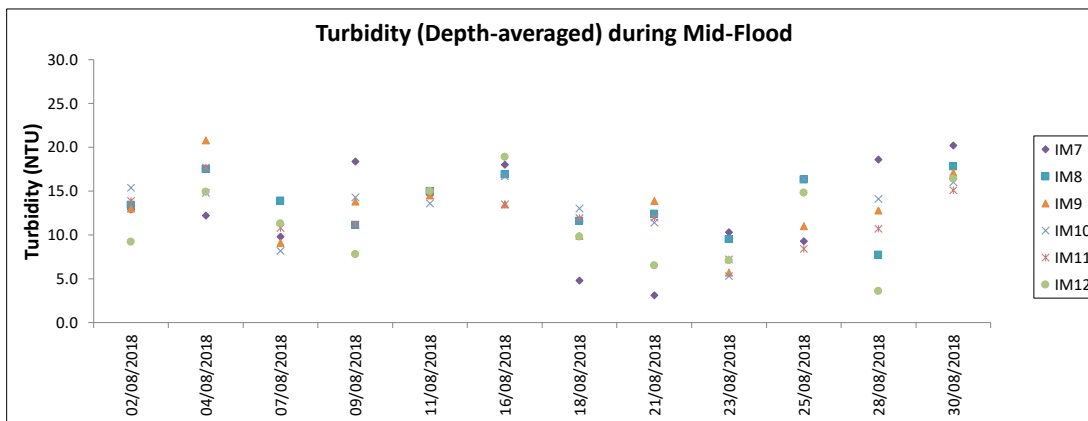
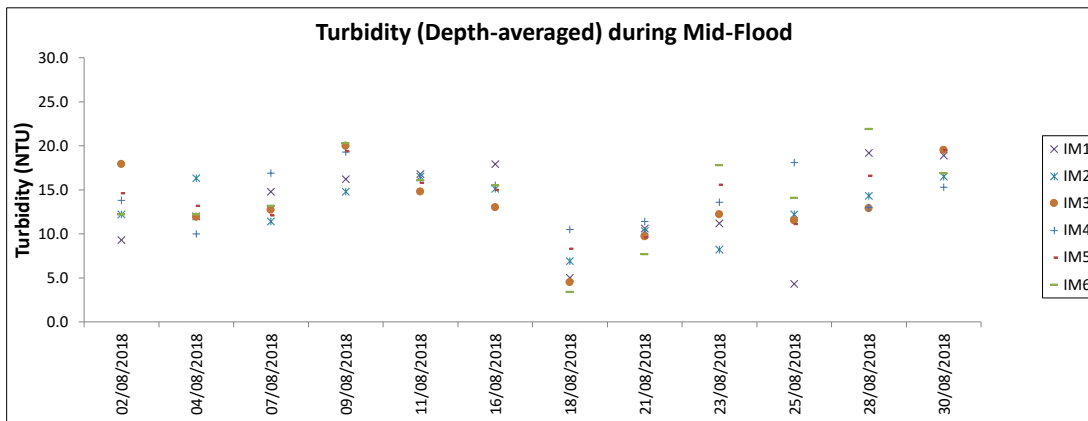
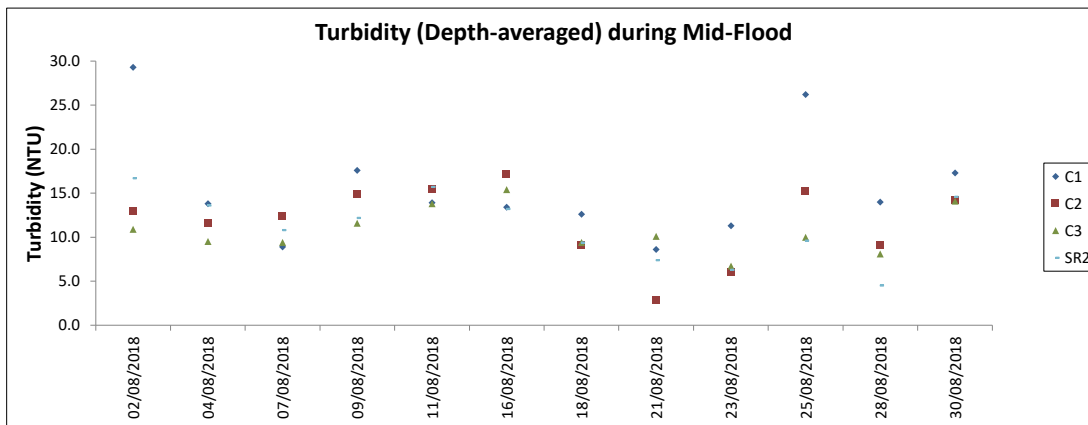




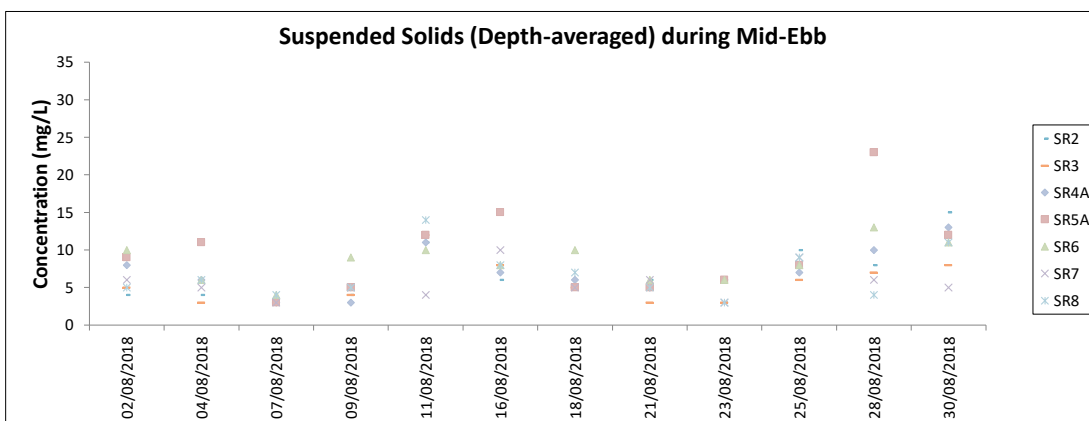
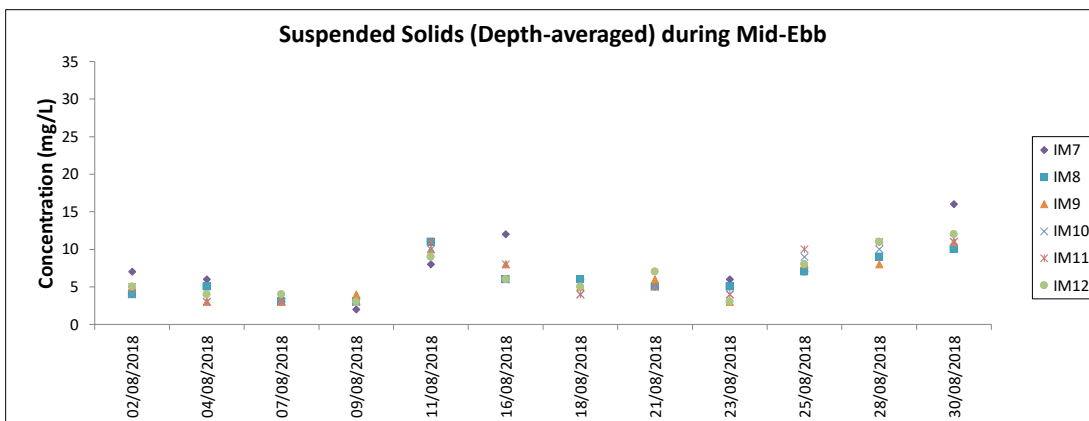
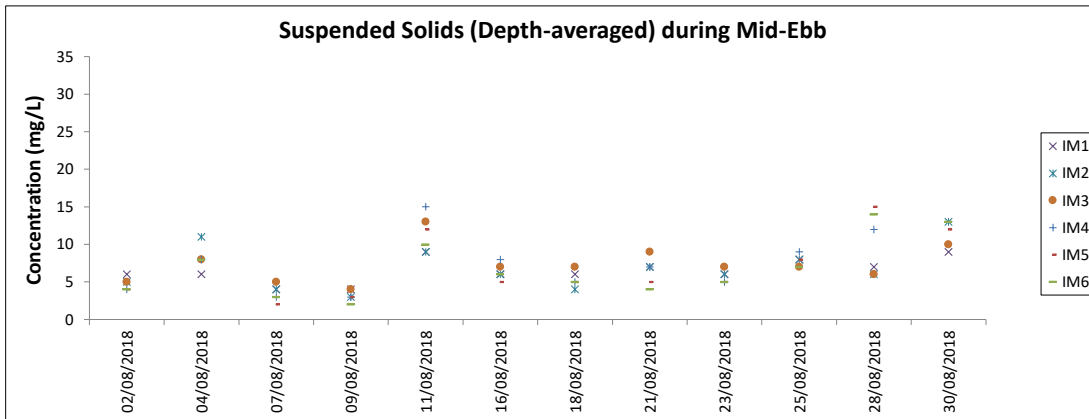
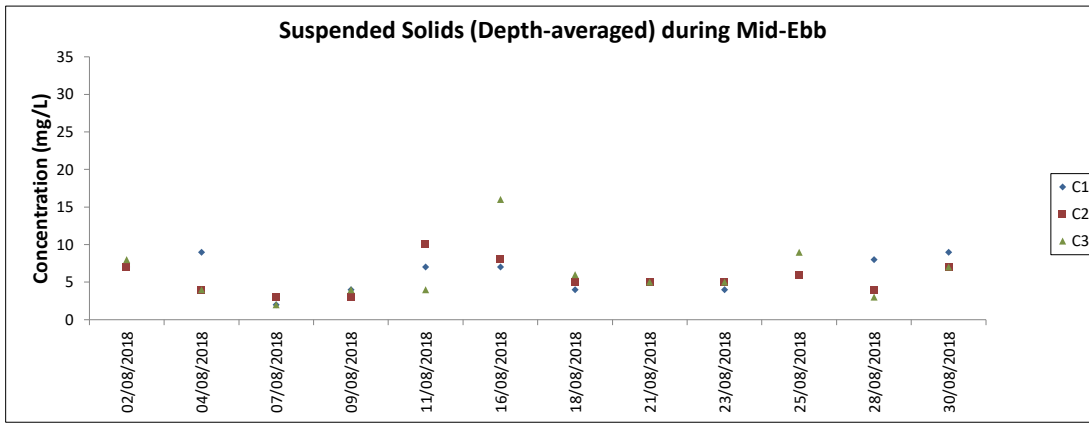




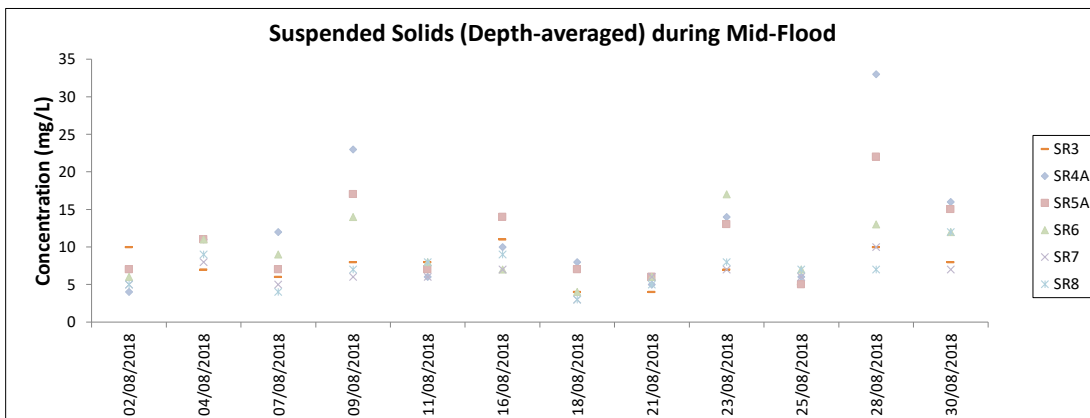
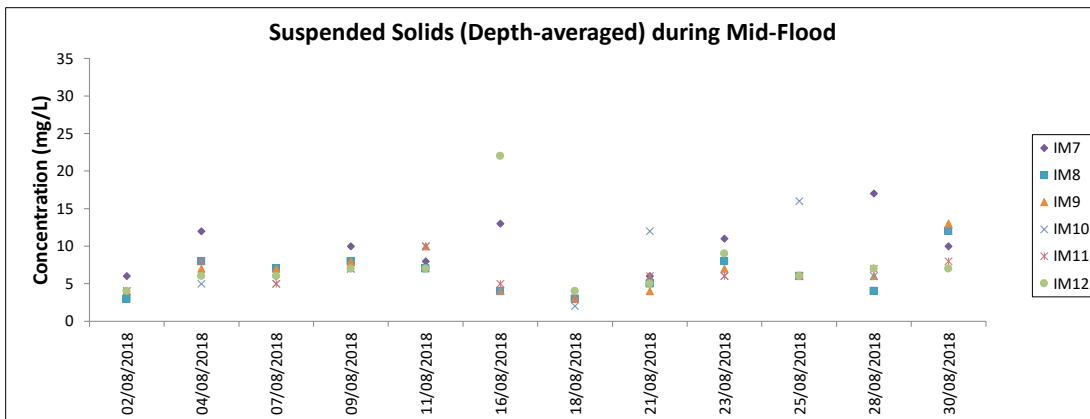
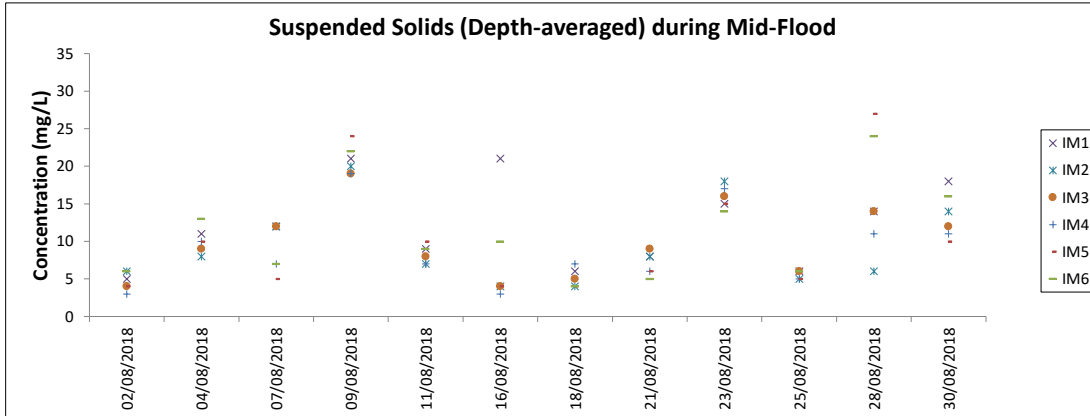
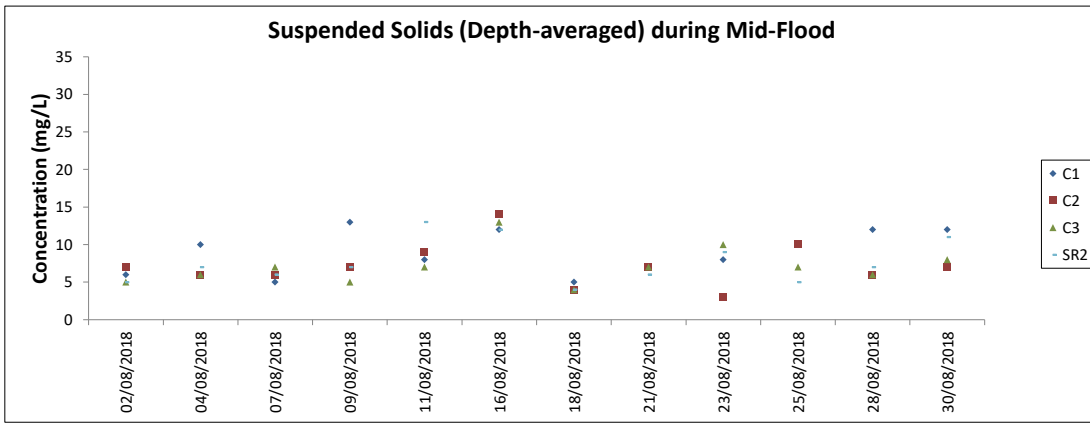
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



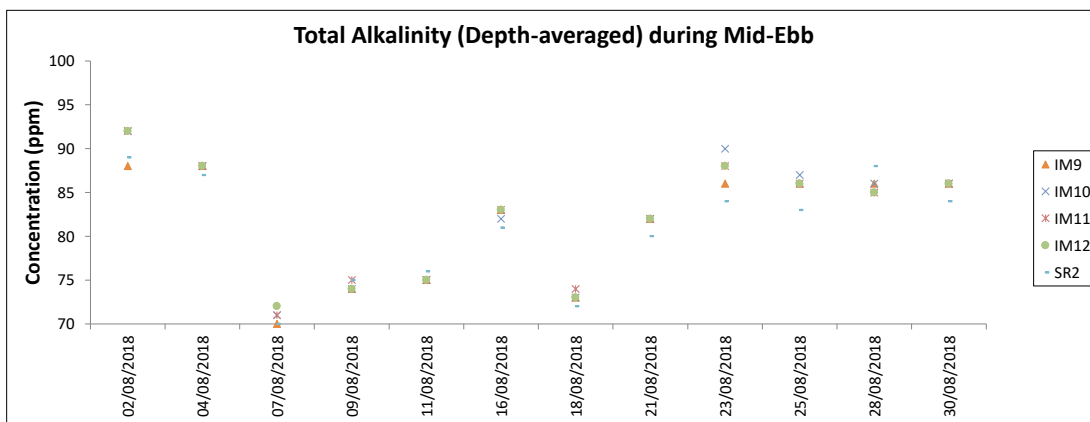
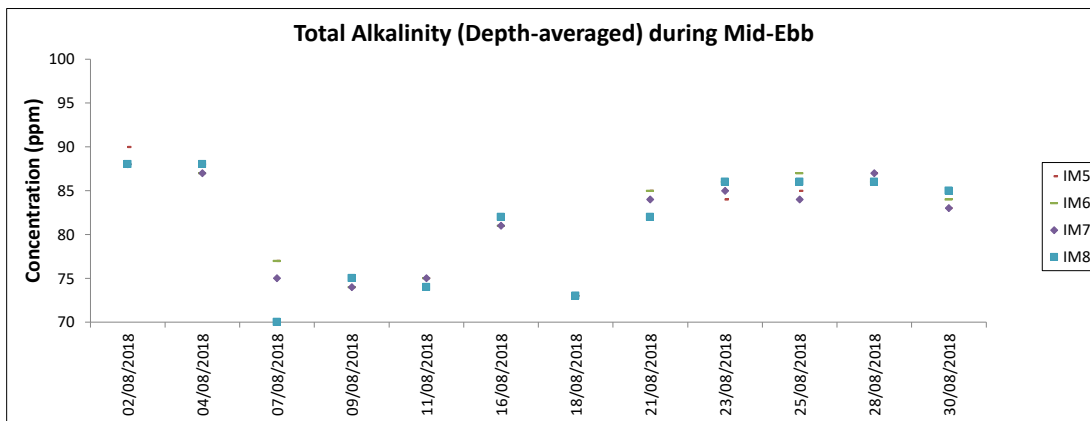
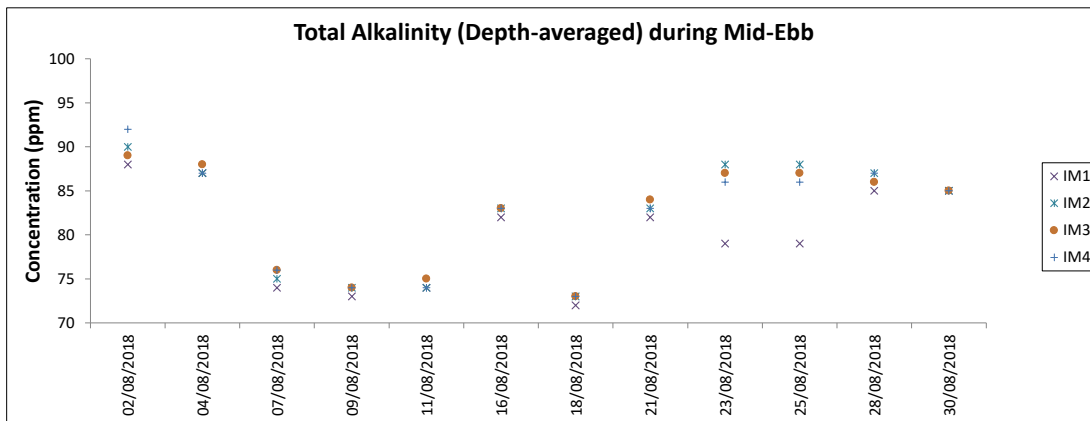
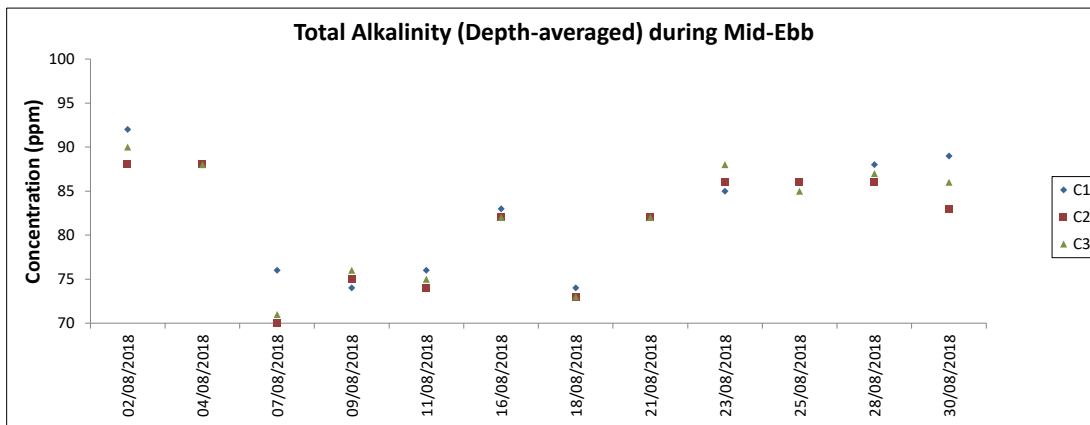
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



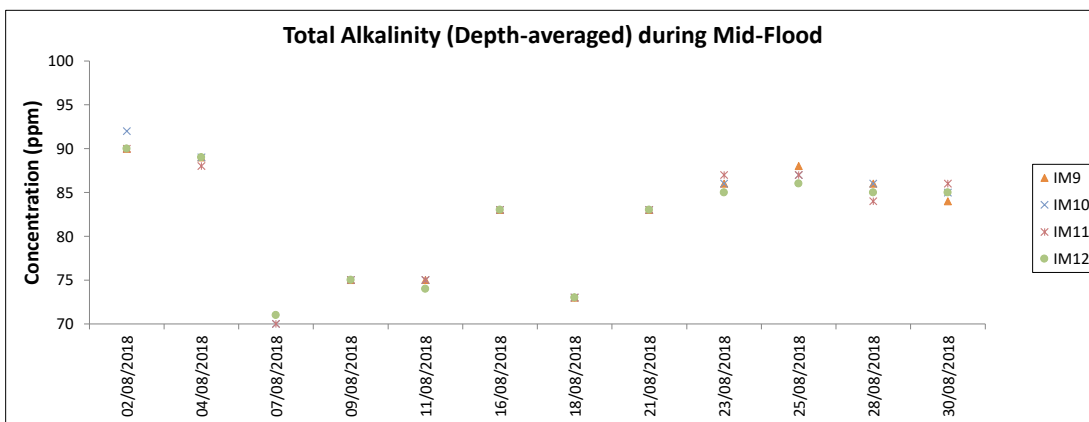
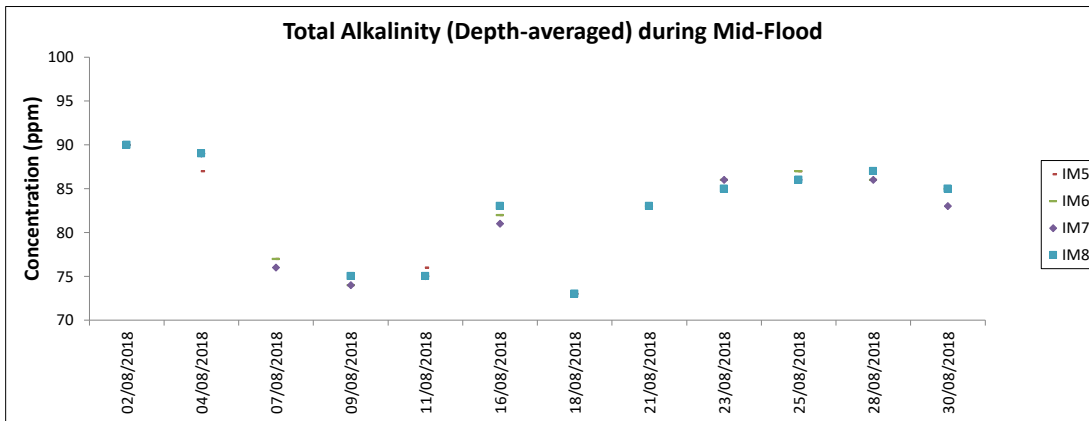
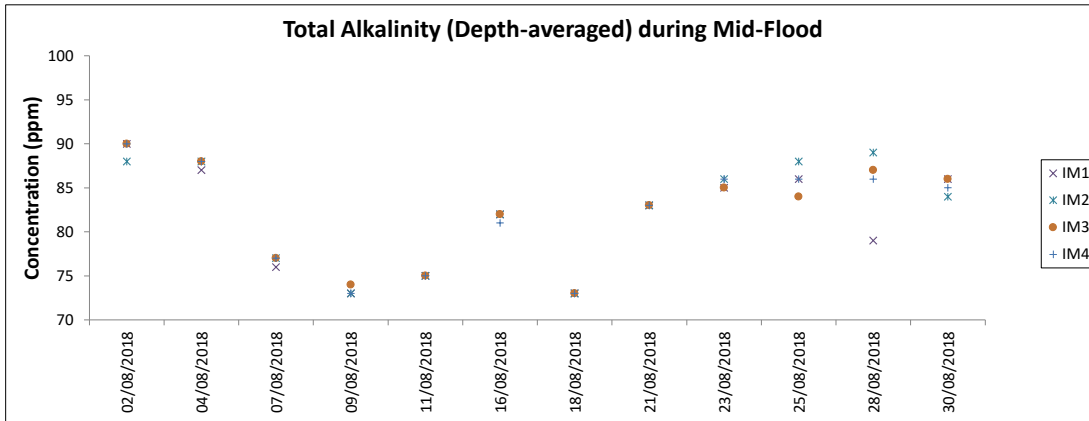
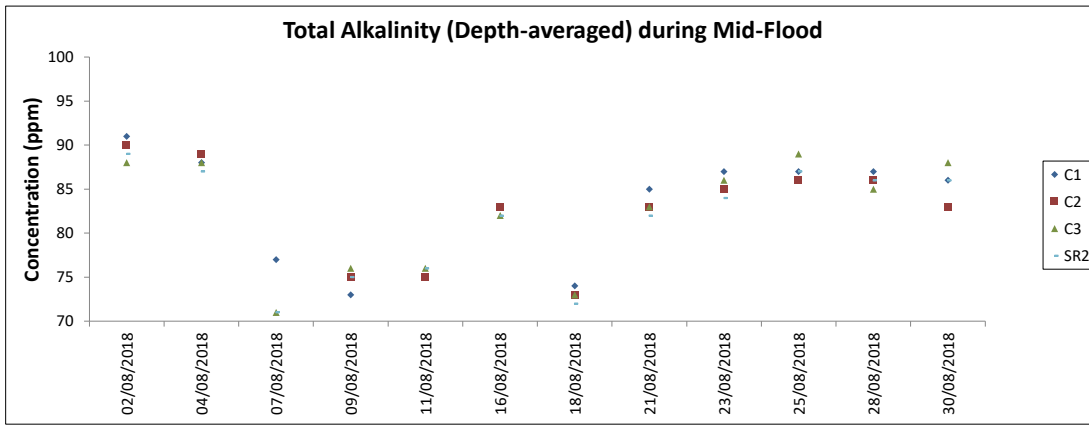
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



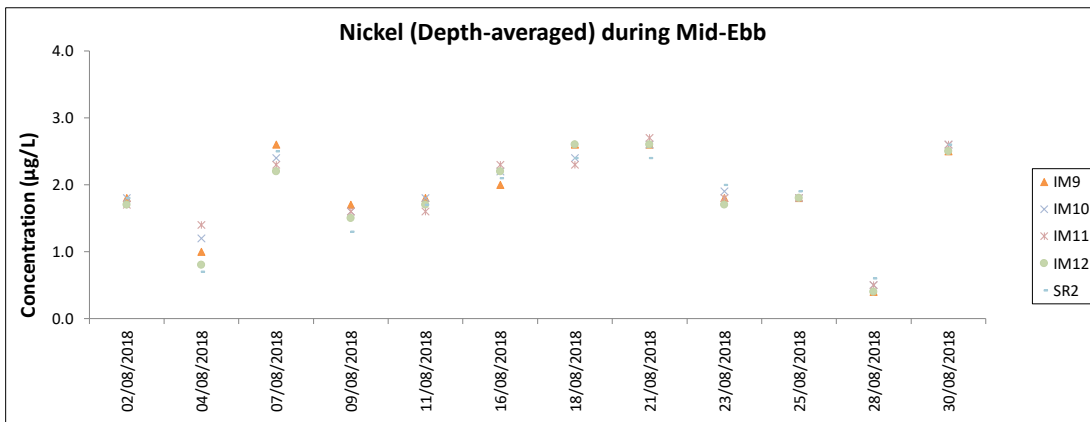
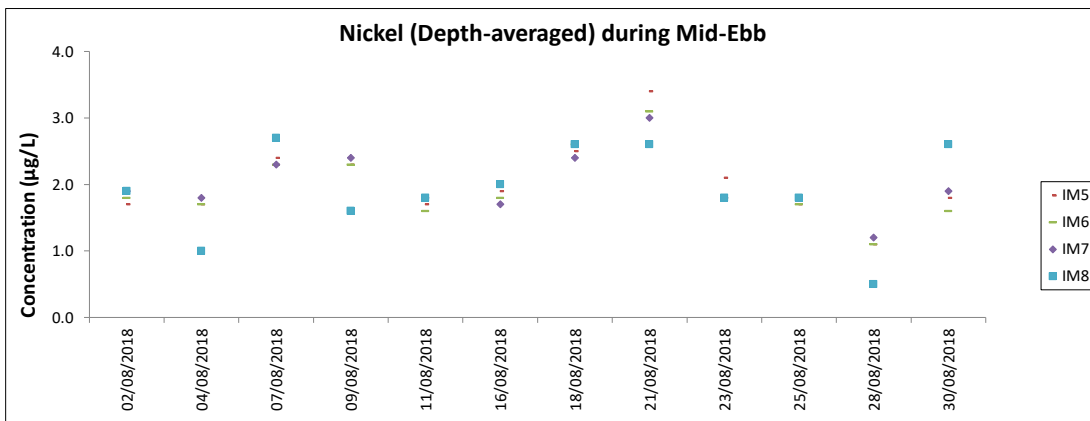
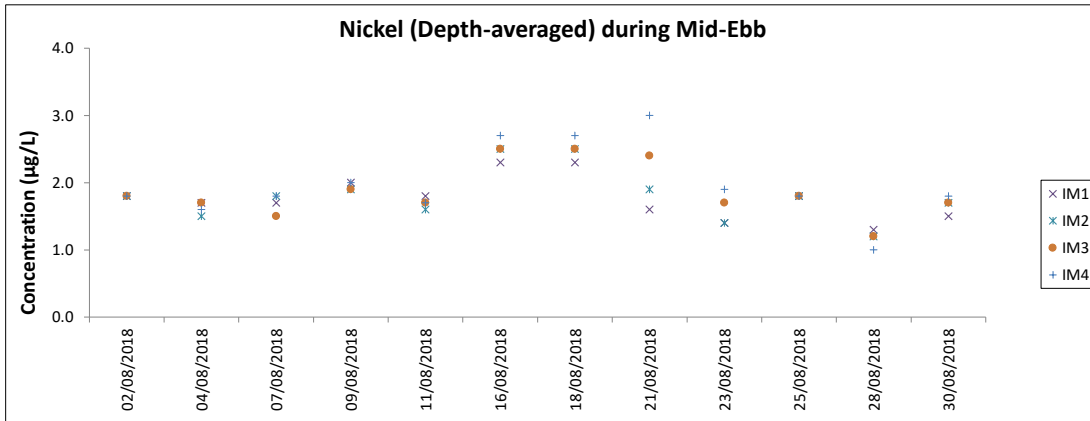
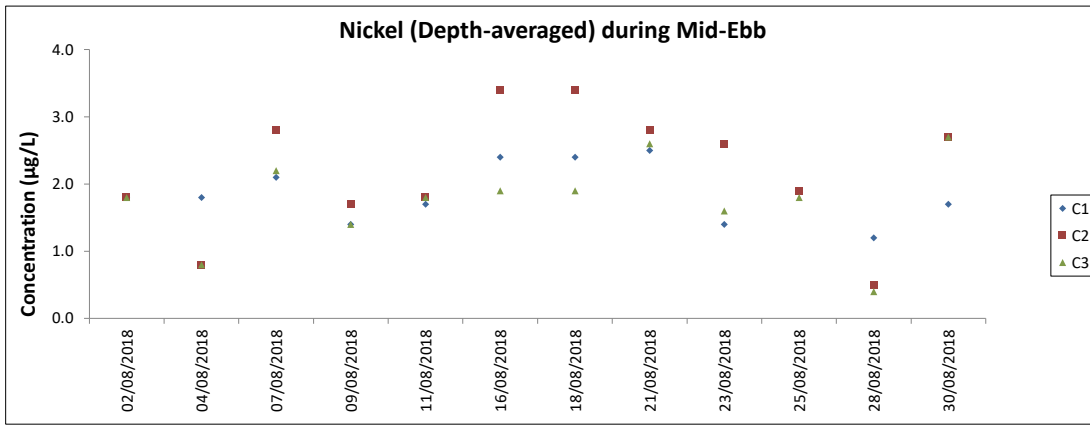
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



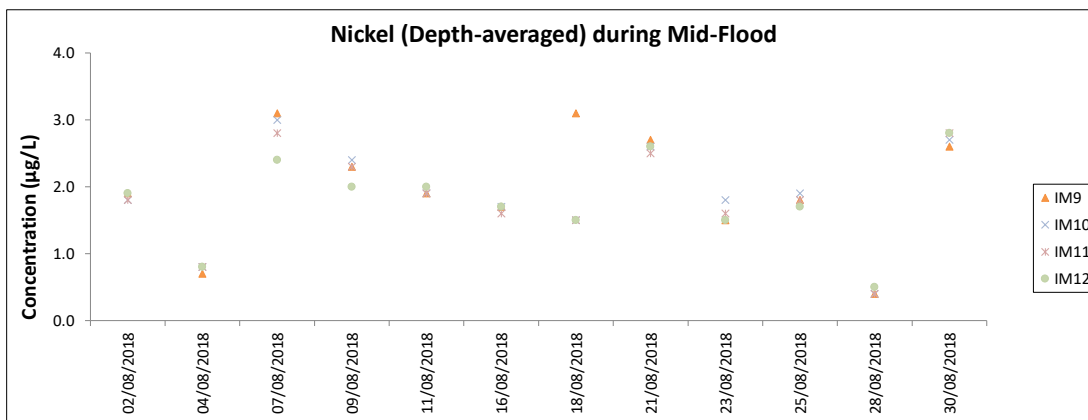
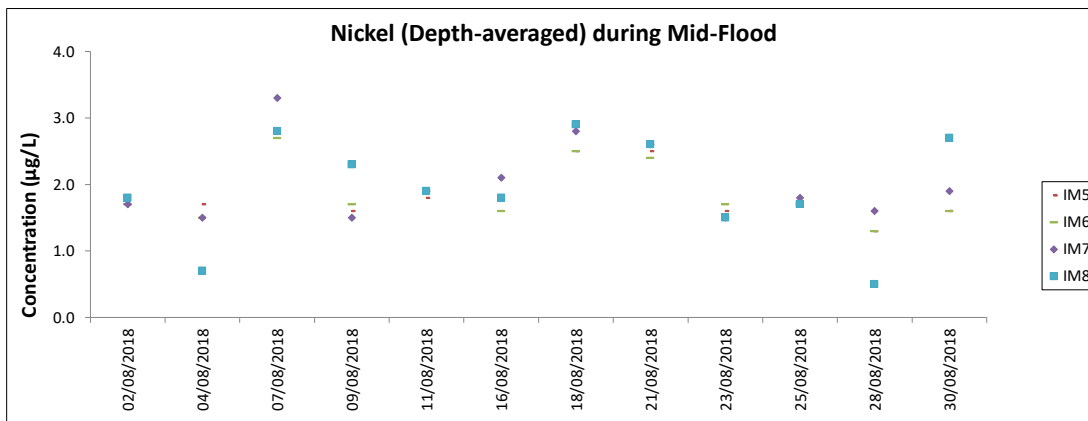
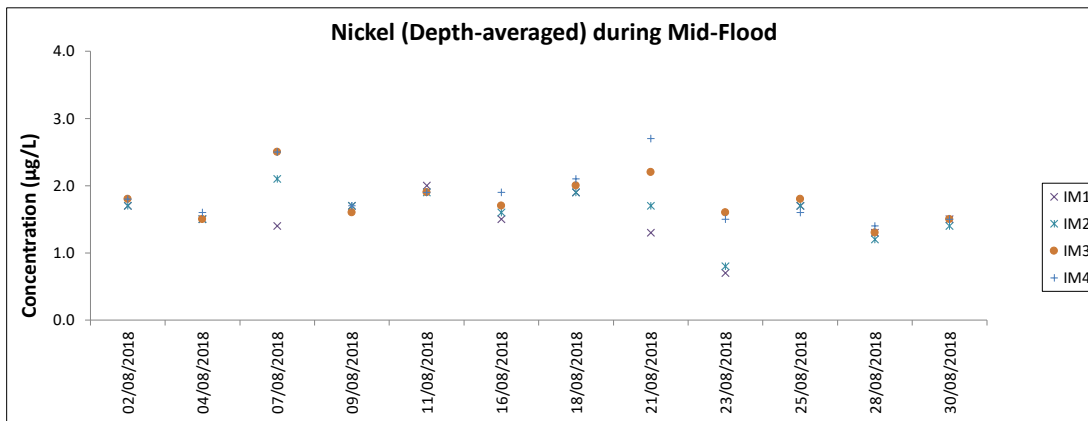
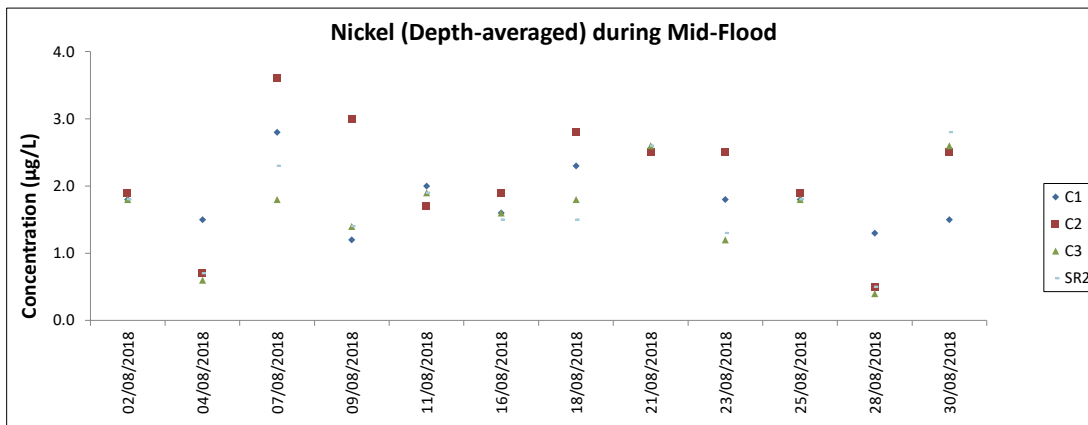
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



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



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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
04-Jun-18	NEL	3	25.370	SUMMER	32166	3RS ET	P
04-Jun-18	NEL	4	12.140	SUMMER	32166	3RS ET	P
04-Jun-18	NEL	3	6.690	SUMMER	32166	3RS ET	S
04-Jun-18	NEL	4	3.400	SUMMER	32166	3RS ET	S
19-Jun-18	NWL	3	26.640	SUMMER	32166	3RS ET	P
19-Jun-18	NWL	4	36.150	SUMMER	32166	3RS ET	P
19-Jun-18	NWL	3	8.580	SUMMER	32166	3RS ET	S
19-Jun-18	NWL	4	4.130	SUMMER	32166	3RS ET	S
20-Jun-18	NEL	2	26.500	SUMMER	32166	3RS ET	P
20-Jun-18	NEL	3	9.030	SUMMER	32166	3RS ET	P
20-Jun-18	NEL	4	2.130	SUMMER	32166	3RS ET	P
20-Jun-18	NEL	2	9.000	SUMMER	32166	3RS ET	S
20-Jun-18	NEL	3	0.940	SUMMER	32166	3RS ET	S
21-Jun-18	SWL	2	7.120	SUMMER	32166	3RS ET	P
21-Jun-18	SWL	3	44.051	SUMMER	32166	3RS ET	P
21-Jun-18	SWL	4	3.720	SUMMER	32166	3RS ET	P
21-Jun-18	SWL	2	2.200	SUMMER	32166	3RS ET	S
21-Jun-18	SWL	3	13.730	SUMMER	32166	3RS ET	S
22-Jun-18	NWL	2	13.400	SUMMER	32166	3RS ET	P
22-Jun-18	NWL	3	44.550	SUMMER	32166	3RS ET	P
22-Jun-18	NWL	4	5.060	SUMMER	32166	3RS ET	P
22-Jun-18	NWL	2	5.400	SUMMER	32166	3RS ET	S
22-Jun-18	NWL	3	3.960	SUMMER	32166	3RS ET	S
22-Jun-18	NWL	4	2.790	SUMMER	32166	3RS ET	S
25-Jun-18	SWL	2	7.272	SUMMER	32166	3RS ET	P
25-Jun-18	SWL	3	27.789	SUMMER	32166	3RS ET	P
25-Jun-18	SWL	4	14.840	SUMMER	32166	3RS ET	P
25-Jun-18	SWL	5	5.230	SUMMER	32166	3RS ET	P
25-Jun-18	SWL	2	5.402	SUMMER	32166	3RS ET	S
25-Jun-18	SWL	3	3.810	SUMMER	32166	3RS ET	S
25-Jun-18	SWL	4	4.030	SUMMER	32166	3RS ET	S
25-Jun-18	SWL	5	1.210	SUMMER	32166	3RS ET	S
26-Jun-18	WL	2	4.210	SUMMER	32166	3RS ET	P
26-Jun-18	WL	3	15.962	SUMMER	32166	3RS ET	P
26-Jun-18	WL	3	11.178	SUMMER	32166	3RS ET	S
26-Jun-18	AW	2	2.940	SUMMER	32166	3RS ET	P
26-Jun-18	AW	3	1.900	SUMMER	32166	3RS ET	P
27-Jun-18	AW	2	4.720	SUMMER	32166	3RS ET	P
27-Jun-18	WL	2	4.010	SUMMER	32166	3RS ET	P
27-Jun-18	WL	3	12.576	SUMMER	32166	3RS ET	P
27-Jun-18	WL	4	2.970	SUMMER	32166	3RS ET	P
27-Jun-18	WL	3	8.257	SUMMER	32166	3RS ET	S
27-Jun-18	WL	4	1.967	SUMMER	32166	3RS ET	S
05-Jul-18	NWL	2	4.400	SUMMER	32166	3RS ET	P
05-Jul-18	NWL	3	20.570	SUMMER	32166	3RS ET	P
05-Jul-18	NWL	4	37.860	SUMMER	32166	3RS ET	P
05-Jul-18	NWL	2	1.900	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
05-Jul-18	NWL	3	4.170	SUMMER	32166	3RS ET	S
05-Jul-18	NWL	4	5.600	SUMMER	32166	3RS ET	S
09-Jul-18	NEL	2	7.900	SUMMER	32166	3RS ET	P
09-Jul-18	NEL	3	21.800	SUMMER	32166	3RS ET	P
09-Jul-18	NEL	4	7.500	SUMMER	32166	3RS ET	P
09-Jul-18	NEL	2	2.400	SUMMER	32166	3RS ET	S
09-Jul-18	NEL	3	7.700	SUMMER	32166	3RS ET	S
11-Jul-18	AW	1	2.230	SUMMER	32166	3RS ET	P
11-Jul-18	AW	2	2.610	SUMMER	32166	3RS ET	P
11-Jul-18	WL	1	0.935	SUMMER	32166	3RS ET	P
11-Jul-18	WL	2	5.562	SUMMER	32166	3RS ET	P
11-Jul-18	WL	3	9.521	SUMMER	32166	3RS ET	P
11-Jul-18	WL	4	2.406	SUMMER	32166	3RS ET	P
11-Jul-18	WL	2	3.839	SUMMER	32166	3RS ET	S
11-Jul-18	WL	3	4.997	SUMMER	32166	3RS ET	S
11-Jul-18	WL	4	1.230	SUMMER	32166	3RS ET	S
17-Jul-18	AW	2	4.530	SUMMER	32166	3RS ET	P
17-Jul-18	WL	1	1.730	SUMMER	32166	3RS ET	P
17-Jul-18	WL	2	9.190	SUMMER	32166	3RS ET	P
17-Jul-18	WL	3	6.564	SUMMER	32166	3RS ET	P
17-Jul-18	WL	4	0.430	SUMMER	32166	3RS ET	P
17-Jul-18	WL	1	1.070	SUMMER	32166	3RS ET	S
17-Jul-18	WL	2	5.640	SUMMER	32166	3RS ET	S
17-Jul-18	WL	3	4.746	SUMMER	32166	3RS ET	S
19-Jul-18	NEL	2	20.870	SUMMER	32166	3RS ET	P
19-Jul-18	NEL	3	16.680	SUMMER	32166	3RS ET	P
19-Jul-18	NEL	2	8.630	SUMMER	32166	3RS ET	S
19-Jul-18	NEL	3	1.050	SUMMER	32166	3RS ET	S
20-Jul-18	NWL	1	9.440	SUMMER	32166	3RS ET	P
20-Jul-18	NWL	2	19.567	SUMMER	32166	3RS ET	P
20-Jul-18	NWL	3	33.930	SUMMER	32166	3RS ET	P
20-Jul-18	NWL	2	3.400	SUMMER	32166	3RS ET	S
20-Jul-18	NWL	3	8.660	SUMMER	32166	3RS ET	S
26-Jul-18	SWL	2	32.460	SUMMER	32166	3RS ET	P
26-Jul-18	SWL	3	22.153	SUMMER	32166	3RS ET	P
26-Jul-18	SWL	4	0.487	SUMMER	32166	3RS ET	P
26-Jul-18	SWL	2	8.040	SUMMER	32166	3RS ET	S
26-Jul-18	SWL	3	6.770	SUMMER	32166	3RS ET	S
26-Jul-18	SWL	4	0.580	SUMMER	32166	3RS ET	S
30-Jul-18	SWL	2	37.816	SUMMER	32166	3RS ET	P
30-Jul-18	SWL	3	17.730	SUMMER	32166	3RS ET	P
30-Jul-18	SWL	2	12.124	SUMMER	32166	3RS ET	S
30-Jul-18	SWL	3	3.490	SUMMER	32166	3RS ET	S
2-Aug-18	NWL	2	9.284	SUMMER	32166	3RS ET	P
2-Aug-18	NWL	3	46.887	SUMMER	32166	3RS ET	P
2-Aug-18	NWL	4	6.300	SUMMER	32166	3RS ET	P
2-Aug-18	NWL	2	2.029	SUMMER	32166	3RS ET	S
2-Aug-18	NWL	3	9.770	SUMMER	32166	3RS ET	S
2-Aug-18	NWL	4	0.400	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
7-Aug-18	AW	2	4.960	SUMMER	32166	3RS ET	P
7-Aug-18	WL	1	2.480	SUMMER	32166	3RS ET	P
7-Aug-18	WL	2	8.859	SUMMER	32166	3RS ET	P
7-Aug-18	WL	3	4.158	SUMMER	32166	3RS ET	P
7-Aug-18	WL	4	3.370	SUMMER	32166	3RS ET	P
7-Aug-18	WL	2	3.270	SUMMER	32166	3RS ET	S
7-Aug-18	WL	3	4.142	SUMMER	32166	3RS ET	S
7-Aug-18	WL	4	1.120	SUMMER	32166	3RS ET	S
16-Aug-18	NEL	1	0.900	SUMMER	32166	3RS ET	P
16-Aug-18	NEL	2	29.510	SUMMER	32166	3RS ET	P
16-Aug-18	NEL	3	7.200	SUMMER	32166	3RS ET	P
16-Aug-18	NEL	1	0.400	SUMMER	32166	3RS ET	S
16-Aug-18	NEL	2	9.690	SUMMER	32166	3RS ET	S
16-Aug-18	DB	2	5.590	SUMMER	32166	3RS ET	P
16-Aug-18	DB	3	4.520	SUMMER	32166	3RS ET	P
16-Aug-18	DB	2	4.520	SUMMER	32166	3RS ET	S
16-Aug-18	DB	3	1.070	SUMMER	32166	3RS ET	S
17-Aug-18	DB	2	12.070	SUMMER	32166	3RS ET	P
17-Aug-18	DB	2	3.830	SUMMER	32166	3RS ET	S
17-Aug-18	NEL	2	35.410	SUMMER	32166	3RS ET	P
17-Aug-18	NEL	3	1.100	SUMMER	32166	3RS ET	P
17-Aug-18	NEL	2	9.880	SUMMER	32166	3RS ET	S
17-Aug-18	NEL	3	0.200	SUMMER	32166	3RS ET	S
20-Aug-18	NWL	1	9.500	SUMMER	32166	3RS ET	P
20-Aug-18	NWL	2	51.800	SUMMER	32166	3RS ET	P
20-Aug-18	NWL	3	1.300	SUMMER	32166	3RS ET	P
20-Aug-18	NWL	1	1.000	SUMMER	32166	3RS ET	S
20-Aug-18	NWL	2	11.000	SUMMER	32166	3RS ET	S
21-Aug-18	AW	1	4.700	SUMMER	32166	3RS ET	P
21-Aug-18	WL	2	24.554	SUMMER	32166	3RS ET	P
21-Aug-18	WL	3	3.309	SUMMER	32166	3RS ET	P
21-Aug-18	WL	2	7.939	SUMMER	32166	3RS ET	S
21-Aug-18	WL	3	0.572	SUMMER	32166	3RS ET	S
22-Aug-18	SWL	2	50.350	SUMMER	32166	3RS ET	P
22-Aug-18	SWL	3	4.900	SUMMER	32166	3RS ET	P
22-Aug-18	SWL	2	13.170	SUMMER	32166	3RS ET	S
22-Aug-18	SWL	3	2.400	SUMMER	32166	3RS ET	S
23-Aug-18	SWL	2	51.850	SUMMER	32166	3RS ET	P
23-Aug-18	SWL	3	2.905	SUMMER	32166	3RS ET	P
23-Aug-18	SWL	2	11.220	SUMMER	32166	3RS ET	S
23-Aug-18	SWL	3	4.000	SUMMER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months (i.e. June and July 2018) 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.	P/S
21-Jun-18	1	1054	CWD	1	SWL	3	51	ON	3RS ET	22.1914	113.8491	SUMMER	NONE	P
21-Jun-18	2	1219	CWD	3	SWL	3	21	ON	3RS ET	22.2040	113.8781	SUMMER	NONE	P
21-Jun-18	3	1331	CWD	6	SWL	3	11	ON	3RS ET	22.1907	113.8973	SUMMER	NONE	P
21-Jun-18	4	1606	FP	3	SWL	3	24	ON	3RS ET	22.1653	113.9368	SUMMER	NONE	P
25-Jun-18	1	1059	CWD	1	SWL	4	138	ON	3RS ET	22.1822	113.8686	SUMMER	NONE	P
25-Jun-18	2	1308	CWD	4	SWL	3	119	ON	3RS ET	22.1934	113.9080	SUMMER	NONE	P
25-Jun-18	3	1332	CWD	8	SWL	3	32	ON	3RS ET	22.1945	113.9083	SUMMER	NONE	P
25-Jun-18	4	1356	CWD	1	SWL	3	129	ON	3RS ET	22.1780	113.9054	SUMMER	NONE	S
25-Jun-18	5	1456	CWD	4	SWL	2	6	ON	3RS ET	22.1805	113.9218	SUMMER	NONE	S
25-Jun-18	6	1519	CWD	7	SWL	2	29	ON	3RS ET	22.1867	113.9181	SUMMER	NONE	P
26-Jun-18	1	1137	CWD	1	WL	3	33	ON	3RS ET	22.2154	113.8192	SUMMER	NONE	P
27-Jun-18	1	1049	CWD	2	WL	3	51	ON	3RS ET	22.2524	113.8341	SUMMER	NONE	S
27-Jun-18	2	1106	CWD	3	WL	3	188	ON	3RS ET	22.2497	113.8406	SUMMER	NONE	P
27-Jun-18	3	1141	CWD	2	WL	3	27	ON	3RS ET	22.2331	113.8236	SUMMER	NONE	S
27-Jun-18	4	1200	CWD	5	WL	3	30	ON	3RS ET	22.2318	113.8390	SUMMER	NONE	P
27-Jun-18	5	1226	CWD	1	WL	3	122	ON	3RS ET	22.2237	113.8249	SUMMER	NONE	P
27-Jun-18	6	1234	CWD	12	WL	3	38	ON	3RS ET	22.2166	113.8199	SUMMER	NONE	S
27-Jun-18	7	1309	CWD	2	WL	3	145	ON	3RS ET	22.2141	113.8319	SUMMER	NONE	P
27-Jun-18	8	1341	CWD	2	WL	4	165	ON	3RS ET	22.1938	113.8425	SUMMER	NONE	S
11-Jul-18	1	1007	CWD	2	WL	2	569	ON	3RS ET	22.2873	113.8608	SUMMER	NONE	P
11-Jul-18	2	1027	CWD	1	WL	2	151	ON	3RS ET	22.2731	113.8471	SUMMER	NONE	S
11-Jul-18	3	1045	CWD	1	WL	2	247	ON	3RS ET	22.2692	113.8602	SUMMER	NONE	P
11-Jul-18	4	1108	CWD	1	WL	3	470	ON	3RS ET	22.2601	113.8498	SUMMER	NONE	P
11-Jul-18	5	1212	CWD	1	WL	3	303	ON	3RS ET	22.2232	113.8315	SUMMER	NONE	P
11-Jul-18	6	1237	CWD	3	WL	3	201	ON	3RS ET	22.2132	113.8211	SUMMER	NONE	P
11-Jul-18	7	1308	CWD	12	WL	3	159	ON	3RS ET	22.2050	113.8345	SUMMER	NONE	P
11-Jul-18	8	1403	CWD	10	WL	3	163	ON	3RS ET	22.1950	113.8422	SUMMER	NONE	S
17-Jul-18	1	1033	CWD	3	WL	2	696	ON	3RS ET	22.2607	113.8455	SUMMER	NONE	P
17-Jul-18	2	1100	CWD	1	WL	2	83	ON	3RS ET	22.2504	113.8371	SUMMER	NONE	P
17-Jul-18	3	1122	CWD	3	WL	3	501	ON	3RS ET	22.2415	113.8447	SUMMER	NONE	P
17-Jul-18	4	1201	CWD	1	WL	3	90	ON	3RS ET	22.2148	113.8195	SUMMER	NONE	S
17-Jul-18	5	1232	CWD	3	WL	3	46	ON	3RS ET	22.2009	113.8247	SUMMER	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
20-Jul-18	1	1040	CWD	1	NWL	3	680	ON	3RS ET	22.2720	113.8702	SUMMER	NONE	P
20-Jul-18	2	1233	CWD	2	NWL	2	N/A	OFF	3RS ET	22.3495	113.8832	SUMMER	NONE	P
20-Jul-18	3	1251	CWD	2	NWL	2	N/A	OFF	3RS ET	22.3446	113.8860	SUMMER	NONE	P
26-Jul-18	1	1152	CWD	2	SWL	2	30	ON	3RS ET	22.1924	113.8878	SUMMER	NONE	P
26-Jul-18	2	1255	CWD	1	SWL	2	28	ON	3RS ET	22.1821	113.8982	SUMMER	NONE	P
26-Jul-18	3	1412	FP	2	SWL	3	52	ON	3RS ET	22.1540	113.9177	SUMMER	NONE	P
30-Jul-18	1	1244	CWD	1	SWL	3	252	ON	3RS ET	22.1949	113.8973	SUMMER	NONE	P
30-Jul-18	2	1317	CWD	2	SWL	2	85	ON	3RS ET	22.1986	113.9080	SUMMER	NONE	P
30-Jul-18	3	1345	CWD	3	SWL	3	401	ON	3RS ET	22.1717	113.9079	SUMMER	NONE	P
30-Jul-18	4	1611	CWD	3	SWL	2	219	ON	3RS ET	22.2085	113.9363	SUMMER	NONE	P
2-Aug-18	1	1029	CWD	15	NWL	2	999	ON	3RS ET	22.2945	113.8705	SUMMER	NONE	P
2-Aug-18	2	1122	CWD	1	NWL	3	12	ON	3RS ET	22.2741	113.8705	SUMMER	NONE	P
2-Aug-18	3	1156	CWD	2	NWL	2	17	ON	3RS ET	22.2901	113.8786	SUMMER	NONE	P
7-Aug-18	1	1008	CWD	2	WL	1	250	ON	3RS ET	22.2920	113.8613	SUMMER	NONE	P
7-Aug-18	2	1043	CWD	5	WL	2	69	ON	3RS ET	22.2642	113.8578	SUMMER	NONE	S
7-Aug-18	3	1328	CWD	2	WL	2	524	ON	3RS ET	22.2027	113.8233	SUMMER	NONE	S
7-Aug-18	4	1344	CWD	5	WL	2	352	ON	3RS ET	22.1966	113.8411	SUMMER	NONE	P
17-Aug-18	1	1149	CWD	1	NEL	2	8	ON	3RS ET	22.3387	113.9562	SUMMER	NONE	P
21-Aug-18	1	1025	CWD	2	WL	2	22	ON	3RS ET	22.2688	113.8601	SUMMER	NONE	P
21-Aug-18	2	1052	CWD	5	WL	2	267	ON	3RS ET	22.2526	113.8343	SUMMER	NONE	S
21-Aug-18	3	1133	CWD	1	WL	2	380	ON	3RS ET	22.2417	113.8352	SUMMER	NONE	P
21-Aug-18	4	1149	CWD	1	WL	2	181	ON	3RS ET	22.2357	113.8253	SUMMER	NONE	S
21-Aug-18	5	1209	CWD	8	WL	2	93	ON	3RS ET	22.2226	113.8359	SUMMER	NONE	P
21-Aug-18	6	1241	CWD	2	WL	2	26	ON	3RS ET	22.2140	113.8291	SUMMER	NONE	P
21-Aug-18	7	1304	CWD	2	WL	2	26	ON	3RS ET	22.2055	113.8303	SUMMER	NONE	P
21-Aug-18	8	1320	CWD	5	WL	2	160	ON	3RS ET	22.2039	113.8222	SUMMER	NONE	S
21-Aug-18	9	1340	CWD	2	WL	3	162	ON	3RS ET	22.1963	113.8415	SUMMER	NONE	P
22-Aug-18	1	1439	CWD	3	SWL	2	17	ON	3RS ET	22.1860	113.8689	SUMMER	NONE	P
23-Aug-18	1	1457	CWD	1	SWL	2	161	ON	3RS ET	22.1881	113.8592	SUMMER	NONE	P
23-Aug-18	2	1522	CWD	5	SWL	2	263	ON	3RS ET	22.1842	113.8491	SUMMER	NONE	P

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; P/S = Primary Transect / Secondary Transect

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. June and July 2018) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report.

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

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

A total of 446.598 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 20 on-effort sightings and total number of 70 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in August 2018 are shown as below:

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

$$STG = \frac{20}{446.598} \times 100 = 4.48$$

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

$$ANI = \frac{70}{446.598} \times 100 = 15.67$$

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

A total of 1200.599 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 56 on-effort sightings and total number of 187 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)









$$STG = \frac{56}{1200.599} \times 100 = 4.66$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)









$$ANI = \frac{187}{1200.599} \times 100 = 15.58$$

CWD Small Vessel Line-transect Survey









Photo Identification









	
NLMM015_20180802_1_12	NLMM019_20180802_1_11
	
NLMM043_20180802_1_5	NLMM063_20180802_1_3
	
NLMM066_20180802_1_9	NLMM067_20180802_1_4
	
SLMM045_20180802_1_4	SLMM057_20180802_1_7

	
WLMM006_20180802_1_10	WLMM029_20180802_1_1_Lower
	
WLMM053_20180802_1_1	WLMM081_20180802_1_3
	
WLMM087_20180802_1_7	WLMM089_20180802_1_1
	
WLMM115_20180802_2_1	NLMM015_20180802_3_3

	
WLMM083_20180807_2_2	WLMM115_20180807_2_2
	
WLMM008_20180807_4_5	WLMM078_20180807_4_7
	
WLMM119_20180807_4_8	WLMM120_20180807_4_10
	
NLMM056_20180821_1_3	SLMM053_20180821_2_4

	
WLMM009_20180821_2_2	WLMM028_20180821_2_13
	
WLMM029_20180821_2_6	WLMM096_20180821_2_5
	
WLMM063_20180821_4_7	NLMM033_20180821_5_19
	
NLMM067_20180821_5_8_Right	WLMM043_20180821_5_1

	
WLMM067_20180821_5_3	WLMM079_20180821_5_10
	
WLMM121_20180821_5_18	WLMM065_20180821_6_8
	
SLMM010_20180821_7_1	WLMM065_20180821_7_3
	
SLMM002_20180821_8_1_Upper	SLMM003_20180821_8_1_Right

	
SLMM010_20180821_8_2	SLMM012_20180821_8_2
	
WLMM114_20180821_9_1	WLMM027_20180822_1_6
	
SLMM019_20180823_1_5	SLMM019_20180823_2_2
	
WLMM060_20180823_2_5	WLMM071_20180823_2_12

CWD Land-based Theodolite Tracking Survey**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
1/Aug/18	Lung Kwu Chau	8:50	14:50	6:00	2-3	2	3	1-4
2/Aug/18	Sha Chau	9:05	15:05	6:00	3	2	0	N/A
6/Aug/18	Lung Kwu Chau	8:58	13:28	4:30	2	3	0	N/A
9/Aug/18	Sha Chau	8:38	14:38	6:00	3	2	0	N/A
21/Aug/18	Lung Kwu Chau	8:52	16:22	7:30	2	3-4	0	N/A

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

Ecological Monitoring

Ecological Monitoring – location map and site photos 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

