

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

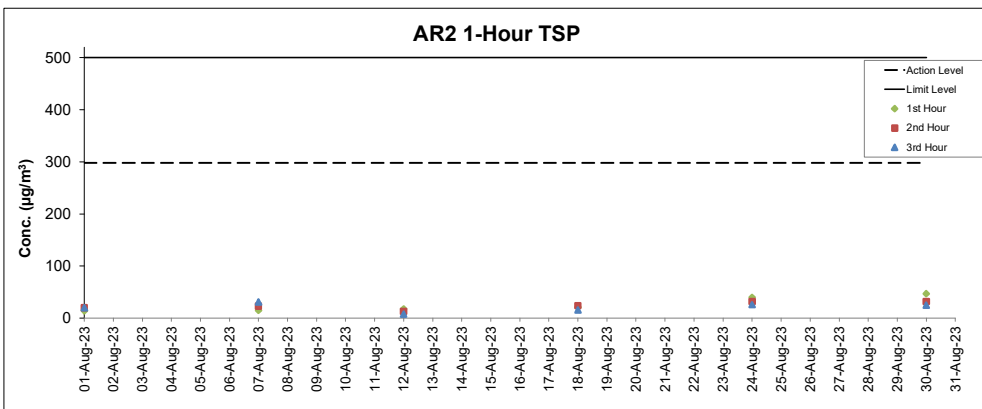
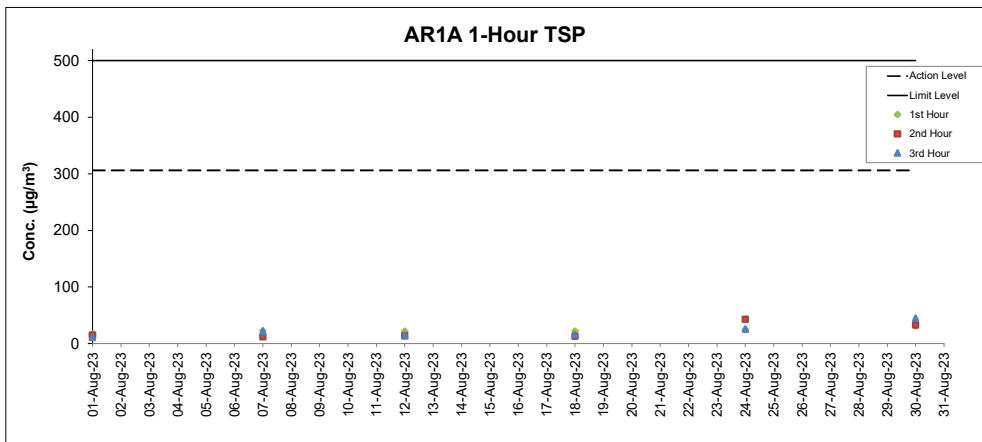
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
1-Aug-23	8:39	Cloudy	3.3	39	17	306	500
1-Aug-23	9:39	Cloudy	2.5	43	15	306	500
1-Aug-23	10:39	Cloudy	5.3	238	11	306	500
7-Aug-23	8:05	Cloudy	3.3	213	23	306	500
7-Aug-23	9:05	Cloudy	2.8	243	12	306	500
7-Aug-23	10:05	Cloudy	4.4	203	22	306	500
12-Aug-23	8:20	Cloudy	3.3	230	22	306	500
12-Aug-23	9:20	Cloudy	3.6	231	14	306	500
12-Aug-23	10:20	Cloudy	4.7	234	15	306	500
18-Aug-23	8:42	Drizzle	4.7	238	22	306	500
18-Aug-23	9:42	Drizzle	4.4	224	13	306	500
18-Aug-23	10:42	Drizzle	5.3	226	16	306	500
24-Aug-23	8:40	Sunny	1.4	Variable	25	306	500
24-Aug-23	9:40	Sunny	3.3	98	43	306	500
24-Aug-23	10:40	Sunny	4.7	102	26	306	500
30-Aug-23	9:03	Sunny	3.3	2	31	306	500
30-Aug-23	10:03	Sunny	3.9	355	33	306	500
30-Aug-23	11:03	Sunny	3.9	4	45	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 ($\mu\text{g}/\text{m}^3$)
1-Aug-23	12:30	Cloudy	3.3	159	14	298	500
1-Aug-23	13:30	Cloudy	2.2	333	20	298	500
1-Aug-23	14:30	Cloudy	2.5	5	20	298	500
7-Aug-23	12:53	Cloudy	4.2	234	15	298	500
7-Aug-23	13:53	Cloudy	5.3	240	23	298	500
7-Aug-23	14:53	Cloudy	3.9	234	31	298	500
12-Aug-23	12:37	Cloudy	5.6	245	18	298	500
12-Aug-23	13:37	Cloudy	6.1	232	13	298	500
12-Aug-23	14:37	Cloudy	5.8	240	8	298	500
18-Aug-23	12:33	Drizzle	3.3	33	21	298	500
18-Aug-23	13:33	Drizzle	2.2	136	24	298	500
18-Aug-23	14:33	Drizzle	1.7	294	16	298	500
24-Aug-23	14:46	Sunny	2.2	47	40	298	500
24-Aug-23	15:46	Sunny	1.7	294	32	298	500
24-Aug-23	16:46	Sunny	4.7	104	26	298	500
30-Aug-23	13:14	Sunny	5.3	335	47	298	500
30-Aug-23	14:14	Sunny	5.8	320	32	298	500
30-Aug-23	15:14	Sunny	5.3	317	25	298	500



Notes

- Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
- Weather conditions during monitoring are presented in the data tables above.
- QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Noise Monitoring Results

Noise Measurement Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
1-Aug-23	Cloudy	9:22	60.9	57.2	63
1-Aug-23	Cloudy	9:27	61.1	57.3	
1-Aug-23	Cloudy	9:32	60.5	56.7	
1-Aug-23	Cloudy	9:37	60.5	57.6	
1-Aug-23	Cloudy	9:42	60.9	57.4	
1-Aug-23	Cloudy	9:47	61.9	58.0	
7-Aug-23	Cloudy	9:10	62.0	57.6	63
7-Aug-23	Cloudy	9:15	61.1	57.5	
7-Aug-23	Cloudy	9:20	61.3	58.2	
7-Aug-23	Cloudy	9:25	61.2	57.9	
7-Aug-23	Cloudy	9:30	61.0	57.5	
7-Aug-23	Cloudy	9:35	60.3	57.0	
18-Aug-23	Drizzle	9:18	64.5	61.4	66
18-Aug-23	Drizzle	9:23	63.5	61.4	
18-Aug-23	Drizzle	9:28	63.2	60.9	
18-Aug-23	Drizzle	9:33	63.7	61.0	
18-Aug-23	Drizzle	9:38	63.6	61.2	
18-Aug-23	Drizzle	9:43	64.1	61.5	
24-Aug-23	Sunny	9:02	63.8	60.1	65
24-Aug-23	Sunny	9:07	63.1	59.9	
24-Aug-23	Sunny	9:12	63.9	60.2	
24-Aug-23	Sunny	9:17	62.6	59.9	
24-Aug-23	Sunny	9:22	63.3	60.1	
24-Aug-23	Sunny	9:27	62.7	59.4	
30-Aug-23	Sunny	11:01	60.9	52.9	64
30-Aug-23	Sunny	11:06	57.5	50.8	
30-Aug-23	Sunny	11:11	62.8	51.0	
30-Aug-23	Sunny	11:16	61.1	51.2	
30-Aug-23	Sunny	11:21	64.4	51.9	
30-Aug-23	Sunny	11:26	66.9	55.2	

Remarks:

(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

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) ^
3-Aug-23	Sunny	12:59	61.5	58.7	62
3-Aug-23	Sunny	13:04	60.4	58.0	
3-Aug-23	Sunny	13:09	60.1	57.0	
3-Aug-23	Sunny	13:14	60.7	56.6	
3-Aug-23	Sunny	13:19	61.1	56.8	
3-Aug-23	Sunny	13:24	61.6	57.1	
10-Aug-23	Cloudy	13:48	58.6	55.1	61
10-Aug-23	Cloudy	13:53	59.4	55.2	
10-Aug-23	Cloudy	13:58	59.3	54.8	
10-Aug-23	Cloudy	14:03	58.9	55.3	
10-Aug-23	Cloudy	14:08	60.3	56.7	
10-Aug-23	Cloudy	14:13	62.4	57.6	
17-Aug-23	Cloudy	14:18	58.8	55.7	62
17-Aug-23	Cloudy	14:23	59.9	55.3	
17-Aug-23	Cloudy	14:28	60.4	56.2	
17-Aug-23	Cloudy	14:33	60.8	56.8	
17-Aug-23	Cloudy	14:38	64.6	56.4	
17-Aug-23	Cloudy	14:43	59.5	55.7	
25-Aug-23	Sunny	11:04	64.1	58.1	64
25-Aug-23	Sunny	11:09	61.9	57.2	
25-Aug-23	Sunny	11:14	61.9	57.8	
25-Aug-23	Sunny	11:19	63.6	57.4	
25-Aug-23	Sunny	11:24	63.4	57.5	
25-Aug-23	Sunny	11:29	65.0	58.0	
31-Aug-23	Cloudy	13:35	61.3	56.6	62
31-Aug-23	Cloudy	13:40	61.5	56.9	
31-Aug-23	Cloudy	13:45	60.2	56.6	
31-Aug-23	Cloudy	13:50	61.2	56.3	
31-Aug-23	Cloudy	13:55	59.7	56.0	
31-Aug-23	Cloudy	14:00	59.9	57.1	

Remarks:

(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A) ^
			L ₁₀ dB(A)	L ₉₀ dB(A)	
1-Aug-23	Cloudy	11:53	64.4	59.7	64*
1-Aug-23	Cloudy	11:58	63.3	59.6	
1-Aug-23	Cloudy	12:03	63.4	60.1	
1-Aug-23	Cloudy	12:08	63.4	60.5	
1-Aug-23	Cloudy	12:13	62.8	59.4	
1-Aug-23	Cloudy	12:18	63.0	59.9	
7-Aug-23	Cloudy	11:54	62.1	58.2	61*
7-Aug-23	Cloudy	11:59	61.6	57.1	
7-Aug-23	Cloudy	12:04	61.6	57.6	
7-Aug-23	Cloudy	12:09	61.1	57.7	
7-Aug-23	Cloudy	12:14	61.8	56.7	
7-Aug-23	Cloudy	12:19	61.5	58.3	
18-Aug-23	Drizzle	12:04	65.6	54.9	64*
18-Aug-23	Drizzle	12:09	66.3	52.3	
18-Aug-23	Drizzle	12:14	60.9	52.3	
18-Aug-23	Drizzle	12:19	61.4	53.3	
18-Aug-23	Drizzle	12:24	64.2	53.4	
18-Aug-23	Drizzle	12:29	64.3	54.8	
24-Aug-23	Sunny	13:13	64.0	59.2	64*
24-Aug-23	Sunny	13:18	62.7	59.1	
24-Aug-23	Sunny	13:23	64.5	60.1	
24-Aug-23	Sunny	13:28	62.9	59.0	
24-Aug-23	Sunny	13:33	62.3	59.5	
24-Aug-23	Sunny	13:38	62.8	59.1	
30-Aug-23	Sunny	13:10	64.5	60.8	65*
30-Aug-23	Sunny	13:15	63.9	61.4	
30-Aug-23	Sunny	13:20	63.8	60.8	
30-Aug-23	Sunny	13:25	63.7	61.0	
30-Aug-23	Sunny	13:30	64.2	61.0	
30-Aug-23	Sunny	13:35	65.6	61.0	

Remarks:

(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

(*) The measurement result was corrected with reference to the baseline monitoring levels.

Noise Measurement Results

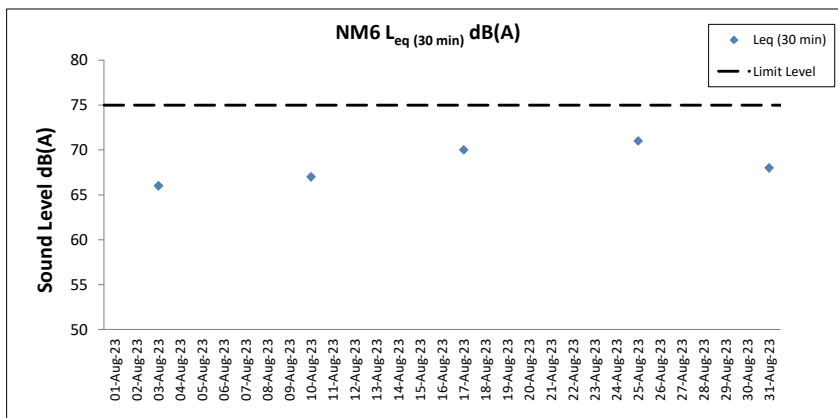
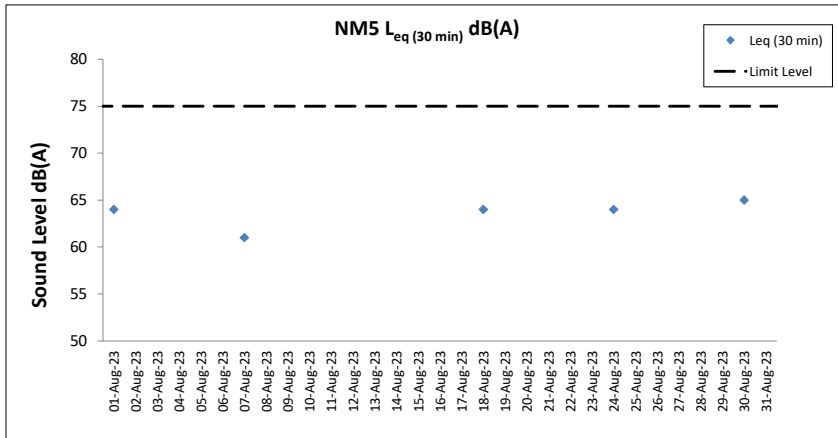
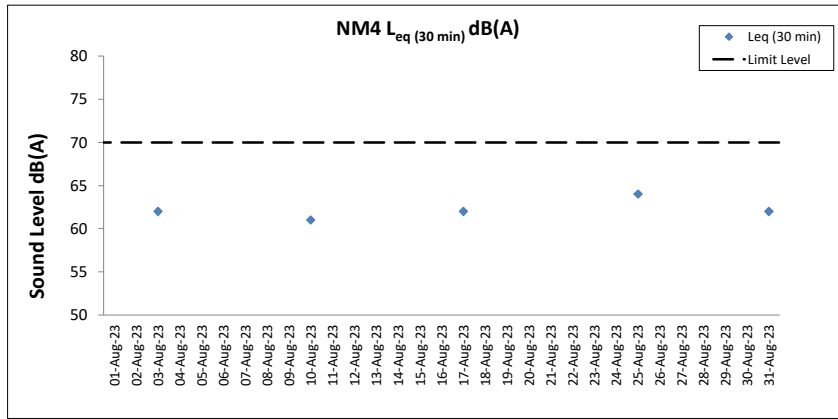
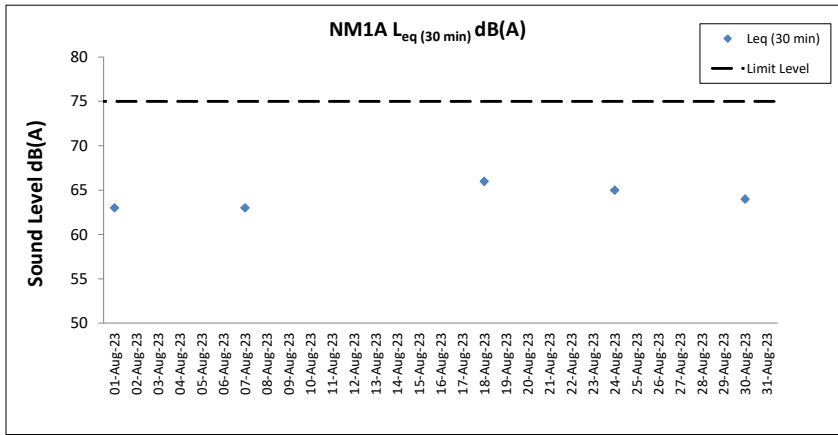
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A) ^
			L ₁₀ dB(A)	L ₉₀ dB(A)	
3-Aug-23	Sunny	15:40	61.4	43.8	66
3-Aug-23	Sunny	15:45	70.7	50.2	
3-Aug-23	Sunny	15:50	66.0	45.5	
3-Aug-23	Sunny	15:55	65.3	43.8	
3-Aug-23	Sunny	16:00	70.4	45.8	
3-Aug-23	Sunny	16:05	57.9	47.3	
10-Aug-23	Cloudy	15:44	69.0	51.2	67
10-Aug-23	Cloudy	15:49	66.2	55.7	
10-Aug-23	Cloudy	15:54	64.2	48.8	
10-Aug-23	Cloudy	15:59	66.0	53.7	
10-Aug-23	Cloudy	16:04	67.6	49.6	
10-Aug-23	Cloudy	16:09	64.1	53.6	
17-Aug-23	Cloudy	15:47	73.1	46.4	70*
17-Aug-23	Cloudy	15:52	69.5	47.0	
17-Aug-23	Cloudy	15:57	68.3	44.6	
17-Aug-23	Cloudy	16:02	73.4	48.4	
17-Aug-23	Cloudy	16:07	71.5	49.9	
17-Aug-23	Cloudy	16:12	69.7	54.7	
25-Aug-23	Sunny	9:47	74.7	58.2	71*
25-Aug-23	Sunny	9:52	73.3	58.6	
25-Aug-23	Sunny	9:57	77.9	59.2	
25-Aug-23	Sunny	10:02	76.6	59.0	
25-Aug-23	Sunny	10:07	75.5	57.3	
25-Aug-23	Sunny	10:12	73.5	57.3	
31-Aug-23	Cloudy	15:35	70.7	54.9	68*
31-Aug-23	Cloudy	15:40	74.6	58.2	
31-Aug-23	Cloudy	15:45	72.6	58.5	
31-Aug-23	Cloudy	15:50	72.6	55.3	
31-Aug-23	Cloudy	15:55	68.3	57.5	
31-Aug-23	Cloudy	16:00	74.1	57.1	

Remarks:

(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

(*) The measurement result was corrected with reference to the baseline monitoring levels.



Notes

1. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
2. Weather conditions during monitoring are presented in the data tables above.
3. QA/QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Water Quality Monitoring Results

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Cloudy	Moderate	12:45	8.6	Surface	1.0	0.7	216	28.4	28.4	8.1	8.1	27.2	27.2	71.2	71.2	4.7	4.7	13.0	11.2	4	815618	804227					
						1.0	0.8	219	28.4		8.1	8.1	27.2	27.2	71.2	71.2	4.7							12.3				
					Middle	4.3	0.7	204	28.3	28.3	8.1	8.1	27.3	27.3	68.9	69.0	4.6	4.6	10.3	4	4	4	4	4	4	4	4	
						4.3	0.7	210	28.3		8.1	8.1	27.3	27.3	69.0	69.0	4.6											10.2
					Bottom	7.6	0.7	230	28.3	28.3	8.2	8.2	27.3	27.3	59.8	59.8	4.0	4.0	10.8	4	4	4	4	4	4	4	4	4
						7.6	0.8	229	28.3		8.2	8.2	27.3	27.3	59.8	59.8	4.0											
C2	Cloudy	Moderate	11:12	11.8	Surface	1.0	0.5	179	29.0	29.0	8.1	8.1	25.4	25.4	80.0	79.9	5.3	4.9	2.4	5.8	4	825691	806956					
						1.0	0.5	176	29.0		8.1	8.1	25.4	25.4	79.8	79.8	5.3							2.4				
					Middle	5.9	0.6	183	28.4	28.4	8.1	8.1	26.4	26.4	65.5	65.5	4.4	4.4	6.1	4	4	4	4	4	4	4	4	
						5.9	0.6	182	28.4		8.1	8.1	26.4	26.4	65.5	65.5	4.4											6.0
					Bottom	10.8	0.5	173	28.3	28.3	8.1	8.1	26.4	26.4	61.2	61.2	4.1	4.1	9.0	4	4	4	4	4	4	4	4	4
						10.8	0.5	171	28.3		8.1	8.1	26.4	26.4	61.2	61.2	4.1											
C3	Rainy	Moderate	12:58	11.5	Surface	1.0	0.4	79	27.8	27.8	7.8	7.8	26.7	26.7	62.7	62.7	4.2	4.1	2.3	3.8	4	822113	817820					
						1.0	0.5	78	27.8		7.8	7.8	26.7	26.7	62.6	62.6	4.2							2.3				
					Middle	5.8	0.4	51	27.7	27.7	7.8	7.8	27.0	27.0	59.6	59.6	4.0	4.0	3.4	4	4	4	4	4	4	4	4	
						5.8	0.5	54	27.7		7.8	7.8	27.0	27.0	59.5	59.5	4.0											3.4
					Bottom	10.5	0.5	77	27.3	27.3	7.8	7.8	28.0	28.0	58.1	58.2	3.9	4.0	5.7	4	4	4	4	4	4	4	4	4
						10.5	0.5	69	27.3		7.8	7.8	28.0	28.0	58.3	58.2	4.0											
IM1	Cloudy	Moderate	12:19	6.1	Surface	1.0	0.5	183	28.4	28.4	8.1	8.1	27.1	27.1	71.6	71.6	4.8	4.6	7.8	9.6	5	818371	806440					
						1.0	0.5	187	28.4		8.1	8.1	27.1	27.1	71.6	71.6	4.8							7.8				
					Middle	3.1	0.5	205	28.4	28.4	8.1	8.1	27.1	27.1	65.3	65.3	4.3	4.3	10.1	4	4	4	4	4	4	4	4	
						3.1	0.5	210	28.4		8.1	8.1	27.1	27.1	65.3	65.3	4.3											10.2
					Bottom	5.1	0.5	214	28.3	28.3	8.1	8.1	27.1	27.1	54.6	54.6	3.6	3.6	10.3	4	4	4	4	4	4	4	4	4
						5.1	0.5	219	28.3		8.1	8.1	27.1	27.1	54.6	54.6	3.6											
IM2	Cloudy	Moderate	12:13	6.8	Surface	1.0	0.5	193	28.5	28.5	8.1	8.1	27.1	27.1	72.6	72.6	4.8	4.6	4.0	9.0	4	819167	806234					
						1.0	0.5	187	28.4		8.1	8.1	27.1	27.1	72.6	72.6	4.8							4.4				
					Middle	3.4	0.6	177	28.2	28.2	8.1	8.1	27.3	27.3	66.6	66.6	4.4	4.4	9.6	4	4	4	4	4	4	4	4	
						3.4	0.6	176	28.2		8.1	8.1	27.4	27.4	66.6	66.6	4.4											9.6
					Bottom	5.8	0.5	184	28.2	28.2	8.1	8.1	27.4	27.4	63.5	63.5	4.2	4.2	13.4	4	4	4	4	4	4	4	4	4
						5.8	0.5	185	28.2		8.1	8.1	27.4	27.4	63.5	63.5	4.2											
IM7	Cloudy	Moderate	11:41	7.9	Surface	1.0	0.3	167	28.8	28.8	8.1	8.1	72.3	72.3	56.2	56.2	5.2	4.8	1.7	3.4	4	821360	806830					
						1.0	0.2	160	28.8		8.1	8.1	72.3	72.3	56.2	56.2	5.2							1.7				
					Middle	4.0	0.3	155	28.5	28.5	8.1	8.1	65.6	65.6	65.6	65.6	4.4	4.4	3.5	4	4	4	4	4	4	4	4	
						4.0	0.3	160	28.5		8.1	8.1	65.5	65.5	65.6	65.6	4.4											3.6
					Bottom	6.9	0.3	175	28.4	28.4	8.1	8.1	60.2	60.2	60.2	60.2	4.0	4.0	4.9	4	4	4	4	4	4	4	4	4
						6.9	0.3	180	28.4		8.1	8.1	60.2	60.2	60.2	60.2	4.0											

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Rainy	Rough	11:02	8.3	Surface	1.0	0.6	107	28.6	28.6	7.8	7.8	25.9	25.9	74.4	74.4	5.5	5.0	3.4	4.5	4	4	822217	809841
						1.0	0.6	114	28.6		7.8	7.8	25.9	25.9	74.4	74.4	5.5		3.5					
					Middle	4.2	0.6	93	28.2	28.2	7.8	7.8	26.1	26.1	65.2	65.3	4.4	4.4	4.9	4				
						4.2	0.5	90	28.2		7.8	7.8	26.1	26.1	65.3	65.3	4.4		4.9	4				
					Bottom	7.3	0.6	102	28.2	28.2	7.8	7.8	26.3	26.3	64.4	64.5	4.4	4.4	5.1	4				
						7.3	0.6	98	28.2		7.8	7.8	26.3	26.3	64.5	64.5	4.4		5.2	5				
IM11	Rainy	Rough	11:14	7.7	Surface	1.0	0.7	100	28.0	28.0	7.8	7.8	26.1	26.1	65.8	65.8	4.9	4.6	7.8	9.3	4	5	821490	810533
						1.0	0.7	100	28.0		7.8	7.8	26.1	26.1	65.8	65.8	4.9		7.9					
					Middle	3.9	0.7	94	27.9	27.9	7.8	7.8	26.2	26.2	62.9	63.0	4.3	4.3	8.4	4				
						3.9	0.7	94	27.9		7.8	7.8	26.2	26.2	63.0	63.0	4.3		8.4	5				
					Bottom	6.7	0.7	78	27.9	27.9	7.8	7.8	26.3	26.3	60.9	60.9	4.1	4.1	11.7	6				
						6.7	0.6	72	27.9		7.8	7.8	26.3	26.3	60.9	60.9	4.1		11.8	5				
IM12	Rainy	Rough	11:24	7.4	Surface	1.0	0.8	97	28.0	28.0	7.8	7.8	25.8	25.8	72.5	72.5	5.1	4.7	3.4	6.8	4	5	821180	811519
						1.0	0.8	102	28.0		7.8	7.8	25.8	25.8	72.5	72.5	5.1		3.5					
					Middle	3.7	0.8	113	28.0	28.0	7.8	7.8	26.2	26.2	61.2	61.2	4.3	4.3	7.3	4				
						3.7	0.8	116	28.0		7.8	7.8	26.2	26.2	61.2	61.2	4.3		7.3	5				
					Bottom	6.4	0.8	100	27.9	27.9	7.8	7.8	26.2	26.2	60.5	60.5	4.1	4.1	9.5	6				
						6.4	0.8	102	27.9		7.8	7.8	26.2	26.2	60.5	60.5	4.1		9.6	5				
SR1A	Rainy	Moderate	12:12	5.2	Surface	1.0	0.0	83	28.4	28.4	7.9	7.9	25.0	25.1	73.1	73.1	5.1	5.1	2.7	4.9	4	3	819972	812654
						1.0	0.1	86	28.3		7.9	7.9	25.1	25.1	73.1	73.1	5.1		2.8					
					Middle	2.6	0.0	95	-	-	-	-	-	-	-	-	-	-	-	3				
						2.6	0.0	100	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.2	0.0	58	28.1	28.1	7.8	7.8	25.9	25.9	62.8	62.9	4.3	4.3	6.9	2				
						4.2	0.1	55	28.1		7.8	7.8	25.9	25.9	63.0	63.0	4.3		6.9	3				
SR2	Rainy	Moderate	12:27	5.0	Surface	1.0	0.8	40	28.1	28.1	7.8	7.8	25.9	25.9	65.8	65.8	4.9	4.9	6.1	7.9	4	4	821445	814172
						1.0	0.7	41	28.1		7.8	7.8	25.9	25.9	65.8	65.8	4.9		6.1					
					Middle	-	0.7	51	-	-	-	-	-	-	-	-	-	-	-	3				
						-	0.7	57	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	0.7	47	27.9	27.9	7.8	7.8	26.4	26.4	63.1	63.1	4.3	4.3	9.6	4				
						4.0	0.7	42	27.9		7.8	7.8	26.4	26.4	63.1	63.1	4.3		9.6	4				
SR3	Cloudy	Moderate	11:33	8.0	Surface	1.0	0.6	154	28.8	28.8	8.1	8.1	25.7	25.7	76.0	76.0	5.1	4.9	1.8	3.8	4	4	822159	807548
						1.0	0.6	152	28.8		8.1	8.1	25.7	25.7	76.0	76.0	5.1		1.8					
					Middle	4.0	0.6	166	28.5	28.5	8.1	8.1	26.5	26.5	69.8	69.8	4.7	4.7	3.7	3				
						4.0	0.6	169	28.5		8.1	8.1	26.5	26.5	69.8	69.8	4.7		3.6	4				
					Bottom	7.0	0.5	163	28.4	28.4	8.1	8.1	26.7	26.7	62.2	62.2	4.2	4.2	5.8	4				
						7.0	0.5	164	28.4		8.1	8.1	26.7	26.7	62.2	62.2	4.2		5.7	4				
SR4A	Cloudy	Moderate	13:20	9.1	Surface	1.0	0.0	68	28.9	28.9	8.0	8.0	26.4	26.4	73.6	73.6	4.9	4.6	4.8	7.0	3	4	817184	807786
						1.0	0.0	73	28.9		8.0	8.0	26.4	26.4	73.6	73.6	4.9		4.9					
					Middle	4.6	0.0	56	28.6	28.6	8.1	8.1	26.8	26.8	62.5	62.5	4.2	4.2	5.7	3				
						4.6	0.0	48	28.6		8.1	8.1	26.8	26.8	62.5	62.5	4.2		5.8	4				
					Bottom	8.1	0.0	76	28.5	28.5	8.1	8.1	27.0	27.0	61.4	61.5	4.1	4.1	10.5	4				
						8.1	0.0	69	28.5		8.1	8.1	27.0	27.0	61.5	61.5	4.1		10.2	4				
SR8	Rainy	Moderate	11:36	5.1	Surface	1.0	-	-	28.2	28.2	7.8	7.8	25.6	25.6	78.3	78.3	5.3	5.3	4.2	5.6	5	4	820379	811607
						1.0	-	-	28.2		7.8	7.8	25.6	25.6	78.3	78.3	5.3		4.3					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4				
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.1	-	-	28.2	28.2	7.8	7.8	25.8	25.8	72.2	72.3	4.9	4.9	6.9	4				
						4.1	-	-	28.1		7.8	7.8	25.8	25.8	72.3	72.3	4.9		6.9	3				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	05:09	8.5	Surface	1.0	0.3	44	28.2	28.2	8.1	8.1	26.4	26.4	78.2	78.1	5.2	4.7	0.5	3.7	4	3	815634	804242
						1.0	0.2	37	28.1		8.1	8.1	26.4	26.4	78.0	78.0	5.2		0.5					
					Middle	4.3	0.3	14	27.7	27.7	8.1	8.1	27.6	27.6	61.5	61.5	4.1	3.9	5.1	3				
						4.3	0.3	18	27.7		8.1	8.1	27.6	27.6	61.4	61.5	4.1		5.4	3				
					Bottom	7.5	0.3	30	27.7	27.7	8.1	8.1	27.8	27.8	58.8	58.8	3.9	4.4	5.5	3				
						7.5	0.3	23	27.7		8.1	8.1	27.8	27.8	58.8	58.8	3.9		5.5	3				
C2	Cloudy	Moderate	06:41	11.2	Surface	1.0	0.6	1	28.6	28.6	8.1	8.1	24.6	24.6	79.8	79.8	5.4	4.8	2.0	4.9	4	4	825677	806958
						1.0	0.6	353	28.6		8.1	8.1	24.6	24.6	79.7	79.8	5.3		2.0					
					Middle	5.6	0.5	345	27.9	27.9	8.1	8.1	26.4	26.4	62.3	62.4	4.2	4.3	5.6	3				
						5.6	0.5	342	27.9		8.1	8.1	26.4	26.4	62.5	62.4	4.2		6.3	4				
					Bottom	10.2	0.6	340	27.8	27.8	8.1	8.1	26.5	26.5	63.6	63.7	4.3	4.3	6.8	3				
						10.2	0.6	346	27.8		8.1	8.1	26.5	26.5	63.8	63.7	4.3		6.8	3				
C3	Fine	Moderate	04:19	10.3	Surface	1.0	0.2	272	27.6	27.6	8.0	8.0	27.5	27.5	66.7	66.7	4.5	4.4	3.1	5.0	4	4	822112	817818
						1.0	0.3	265	27.6		8.0	8.0	27.5	27.5	66.6	66.7	4.5		3.1					
					Middle	5.2	0.3	285	27.3	27.3	8.0	8.0	28.1	28.1	63.7	63.7	4.3	4.4	4.5	4				
						5.2	0.3	281	27.3		8.0	8.0	28.1	28.1	63.7	63.7	4.3		4.6	4				
					Bottom	9.3	0.3	276	26.9	26.9	8.0	8.0	29.0	29.0	64.4	64.5	4.4	4.4	7.4	5				
						9.3	0.2	274	26.9		8.0	8.0	29.0	29.0	64.6	64.5	4.4		7.4	4				
IM1	Cloudy	Moderate	05:35	6.7	Surface	1.0	0.2	20	27.8	27.8	8.1	8.1	27.3	27.3	68.4	68.4	4.6	4.5	6.6	5.5	4	4	818346	806472
						1.0	0.2	16	27.8		8.1	8.1	27.3	27.3	68.4	68.4	4.6		6.9					
					Middle	3.4	0.3	22	27.7	27.7	8.1	8.1	27.6	27.6	64.6	64.7	4.4	3.8	5.2	4				
						3.4	0.2	17	27.7		8.1	8.1	27.6	27.6	64.8	64.7	4.4		5.2	4				
					Bottom	5.7	0.3	35	27.7	27.7	8.1	8.1	27.7	27.7	57.3	57.3	3.8	4.4	4.5	3				
						5.7	0.3	34	27.7		8.1	8.1	27.7	27.7	57.3	57.3	3.8		4.6	3				
IM2	Cloudy	Moderate	05:40	6.7	Surface	1.0	0.2	7	27.8	27.8	8.1	8.1	27.2	27.2	67.4	67.4	4.5	4.5	7.2	8.5	3	4	819204	806251
						1.0	0.2	7	27.8		8.1	8.1	27.2	27.2	67.4	67.4	4.5		7.2					
					Middle	3.4	0.3	6	27.8	27.8	8.1	8.1	27.3	27.3	66.2	66.2	4.4	3.9	8.6	4				
						3.4	0.3	2	27.8		8.1	8.1	27.3	27.3	66.2	66.2	4.4		8.6	3				
					Bottom	5.7	0.3	34	27.7	27.7	8.1	8.1	27.4	27.4	58.0	58.0	3.9	4.7	9.8	4				
						5.7	0.3	27	27.7		8.1	8.1	27.4	27.4	58.0	58.0	3.9		9.8	5				
IM7	Cloudy	Moderate	06:09	8.2	Surface	1.0	0.2	358	28.3	28.3	8.1	8.1	25.8	25.8	68.5	68.5	4.6	4.6	1.6	1.9	3	4	821369	806856
						1.0	0.2	354	28.2		8.1	8.1	25.9	25.8	68.4	68.5	4.6		1.7					
					Middle	4.1	0.3	359	28.1	28.1	8.1	8.1	26.5	26.5	68.6	68.7	4.6	4.7	1.9	4				
						4.1	0.3	359	28.1		8.1	8.1	26.5	26.5	68.7	68.7	4.6		1.9	4				
					Bottom	7.2	0.2	335	28.0	28.0	8.1	8.1	26.8	26.8	69.8	69.9	4.7	4.7	2.2	4				
						7.2	0.2	341	28.0		8.1	8.1	26.8	26.8	69.9	69.9	4.7		2.3	5				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA											
IM10	Fine	Moderate	06:01	7.9	Surface	1.0	0.4	289	<u>28.1</u>	28.1	7.9	7.9	<u>25.9</u>	25.9	<u>76.6</u>	76.6	5.4	4.8	3.9	5.3	4	4	822261	809849									
						1.0	0.4	292	<u>28.1</u>	7.9	7.9	<u>25.9</u>	25.9	<u>76.6</u>	76.6	5.4	3.9																
					Middle	4.0	0.4	296	<u>28.0</u>	28.0	7.8	7.8	<u>26.1</u>	26.1	<u>60.8</u>	60.9	4.1		6.0		4												
						4.0	0.5	290	<u>28.0</u>	28.0	7.8	7.8	<u>26.1</u>	26.1	<u>60.9</u>	60.9	4.1		6.1		4												
					Bottom	6.9	0.4	290	<u>28.0</u>	28.0	7.8	7.8	<u>26.1</u>	26.1	<u>60.2</u>	60.2	4.1		6.1		4												
						6.9	0.4	288	<u>28.0</u>	28.0	7.8	7.8	<u>26.1</u>	26.1	<u>60.2</u>	60.2	4.1		6.1		5												
					IM11	Fine	Moderate	05:46	7.1	Surface	1.0	0.5	278	<u>28.1</u>	28.1	7.8	7.8		<u>26.0</u>		26.0	<u>67.6</u>			67.6	5.1	4.6	4.7	6.0	4	3	821523	810525
											1.0	0.4	272	<u>28.1</u>	28.1	7.8	7.8		<u>26.0</u>		26.0	<u>67.6</u>			67.6	5.1					4.7		
Middle	3.6	0.5	270	<u>28.0</u>						28.0	7.8	7.8	<u>26.1</u>	26.1	<u>61.3</u>	61.3	4.1	6.3	3														
	3.6	0.5	262	<u>28.0</u>						28.0	7.8	7.8	<u>26.1</u>	26.1	<u>61.3</u>	61.3	4.2	6.2	4														
Bottom	6.1	0.5	265	<u>28.0</u>						28.0	7.8	7.8	<u>26.1</u>	26.1	<u>63.3</u>	63.3	4.3	7.1	5														
	6.1	0.5	265	<u>28.0</u>						28.0	7.8	7.8	<u>26.1</u>	26.1	<u>63.3</u>	63.3	4.3	7.2	5														
IM12	Fine	Moderate	05:37	6.8						Surface	1.0	0.5	279	<u>28.2</u>	28.2	7.9	7.9	<u>26.0</u>	26.0	<u>68.9</u>	68.9	5.2	4.7	2.7	5.4	4		4		821156	811523		
											1.0	0.4	286	<u>28.2</u>	28.2	7.9	7.9	<u>26.0</u>	26.0	<u>68.9</u>	68.9	5.2						2.7					
					Middle	3.4	0.4	294	<u>28.1</u>	28.1	7.9	7.9	<u>26.3</u>	26.3	<u>61.9</u>	61.9	4.2	4.6	4														
						3.4	0.4	289	<u>28.1</u>	28.1	7.9	7.9	<u>26.3</u>	26.3	<u>61.9</u>	61.9	4.2	4.6	4														
					Bottom	5.8	0.5	270	<u>27.5</u>	27.5	7.8	7.8	<u>27.7</u>	27.6	<u>57.5</u>	57.6	3.9	8.9	5														
						5.8	0.5	270	<u>27.5</u>	27.5	7.8	7.8	<u>27.6</u>	27.6	<u>57.7</u>	57.6	3.9	8.9	4														
					SR1A	Fine	Calm	05:01	4.4	Surface	1.0	0.0	199	<u>28.5</u>	28.5	7.9	7.9	<u>25.2</u>	25.2	<u>72.9</u>	72.9	4.9		4.9		2.2	3.0	5	4			819978	812654
											1.0	0.0	198	<u>28.5</u>	28.5	7.9	7.9	<u>25.2</u>	25.2	<u>72.9</u>	72.9	4.9							2.3				
Middle	2.2	0.0	198	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-							
	2.2	-	197	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-							
Bottom	3.4	0.0	210	<u>28.4</u>						28.4	7.8	7.8	<u>25.5</u>	25.5	<u>69.3</u>	69.4	4.7	3.6	5														
	3.4	0.0	210	<u>28.4</u>						28.4	7.8	7.8	<u>25.5</u>	25.5	<u>69.4</u>	69.4	4.7	3.7	5														
SR2	Fine	Moderate	04:42	4.2						Surface	1.0	0.1	247	<u>28.4</u>	28.4	7.9	7.9	<u>25.2</u>	25.2	<u>74.2</u>	74.2	5.0	5.0		2.0	5.9		5	5	821465	814162		
											1.0	0.1	241	<u>28.4</u>	28.4	7.9	7.9	<u>25.2</u>	25.2	<u>74.2</u>	74.2	5.0							2.1				
					Middle	-	0.1	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-						
						-	0.1	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		-						
					Bottom	3.2	0.1	241	<u>27.6</u>	27.6	7.9	7.8	<u>27.1</u>	27.1	<u>60.8</u>	60.9	4.1	9.8	5														
						3.2	0.1	242	<u>27.6</u>	27.6	7.8	7.8	<u>27.1</u>	27.1	<u>60.9</u>	60.9	4.1	9.8	4														
					SR3	Cloudy	Moderate	06:15	9.2	Surface	1.0	0.4	324	<u>28.5</u>	28.5	8.1	8.1	<u>25.1</u>	25.1	<u>73.4</u>	73.5	4.9		4.8	9.2		6.4	4	4			822140	807556
											1.0	0.3	322	<u>28.5</u>	28.5	8.1	8.1	<u>25.1</u>	25.1	<u>73.5</u>	73.5	4.9							9.2				
Middle	4.6	0.4	325	<u>28.3</u>						28.3	8.1	8.1	<u>25.9</u>	25.9	<u>68.2</u>	68.2	4.6	2.4	4														
	4.6	0.3	331	<u>28.3</u>						28.3	8.1	8.1	<u>26.0</u>	26.0	<u>68.1</u>	68.1	4.6	2.6	4														
Bottom	8.2	0.4	339	<u>28.0</u>						28.0	8.1	8.1	<u>26.7</u>	26.7	<u>61.0</u>	61.0	4.1	7.4	4														
	8.2	0.5	340	<u>28.0</u>						28.0	8.1	8.1	<u>26.7</u>	26.7	<u>61.0</u>	61.0	4.1	7.4	5														
SR4A	Cloudy	Moderate	04:41	8.8						Surface	1.0	0.0	238	<u>27.9</u>	27.9	8.1	8.1	<u>27.2</u>	27.2	<u>69.3</u>	69.4	4.7	4.7		2.6	3.4		4	4	817167	807801		
											1.0	0.0	235	<u>27.9</u>	27.9	8.1	8.1	<u>27.2</u>	27.2	<u>69.4</u>	69.4	4.7							2.6				
					Middle	4.4	0.0	241	<u>27.8</u>	27.8	8.1	8.1	<u>27.3</u>	27.3	<u>68.5</u>	68.5	4.6	3.4	4														
						4.4	0.1	239	<u>27.8</u>	27.8	8.1	8.1	<u>27.3</u>	27.3	<u>68.4</u>	68.4	4.6	3.4	4														
					Bottom	7.8	0.0	272	<u>27.7</u>	27.7	8.1	8.1	<u>27.5</u>	27.5	<u>52.7</u>	52.7	3.5	4.3	4														
						7.8	0.0	267	<u>27.7</u>	27.7	8.1	8.1	<u>27.5</u>	27.5	<u>52.7</u>	52.7	3.5	4.3	4														
					SR8	Fine	Calm	05:29	4.6	Surface	1.0	-	-	<u>28.2</u>	28.2	7.8	7.8	<u>26.1</u>	26.1	<u>67.2</u>	67.2	4.5		4.5	3.3		3.9	6	5			820377	811625
											1.0	-	-	<u>28.2</u>	28.2	7.8	7.8	<u>26.1</u>	26.1	<u>67.2</u>	67.2	4.5							3.3				
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-							
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-							
Bottom	3.6	-	-	<u>28.1</u>						28.1	7.8	7.8	<u>26.3</u>	26.3	<u>65.6</u>	65.6	4.5	4.4	6														
	3.6	-	-	<u>28.1</u>						28.1	7.8	7.8	<u>26.3</u>	26.3	<u>65.6</u>	65.6	4.5	4.5	6														

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
C1	Cloudy	Moderate	12:53	9.0	Surface	1.0	0.4	203	29.1	29.1	8.0	8.0	26.5	26.5	75.5	75.6	5.0	5.1	2.7	4.6	4	4	815620	804268						
						1.0	0.4	204	29.1		8.0		26.5	75.6	5.0	2.7	4													
					Middle	4.5	0.4	199	28.5	28.5	8.0	8.0	28.1	28.1	76.9	76.8	5.1	4.3	2.7	4.6	4				4	815620	804268			
						4.5	0.5	205	28.5		8.0		28.1	76.6	5.1	2.7	4													
					Bottom	8.0	0.4	191	27.7	27.7	8.0	8.0	28.7	28.7	64.5	64.6	4.3	4.3	8.1	4.6	5							4	815620	804268
						8.0	0.4	188	27.7		8.0		28.7	64.7	4.3	8.7	4													
C2	Cloudy	Moderate	14:22	11.9	Surface	1.0	0.8	184	29.4	29.4	7.9	7.9	24.1	24.1	73.6	73.6	4.9	4.7	3.9	7.7	7	7	825689	806939						
						1.0	0.8	179	29.4		7.9		24.1	73.5	4.9	4.0	8													
					Middle	6.0	0.8	153	28.6	28.6	7.9	7.9	25.1	25.1	65.3	65.3	4.4	4.1	8.8	4.6	6				7	825689	806939			
						6.0	0.8	154	28.5		7.9		25.2	65.3	4.4	9.0	7													
					Bottom	10.9	0.8	171	28.0	28.0	7.9	7.9	26.7	26.7	60.6	60.6	4.1	4.1	10.3	4.6	6							7	825689	806939
						10.9	0.8	173	28.0		7.9		26.7	60.6	4.1	10.3	6													
C3	Sunny	Moderate	13:38	7.8	Surface	1.0	0.4	67	27.9	27.9	8.3	8.3	25.2	25.2	81.8	81.7	5.5	5.1	1.1	1.3	9	8	822124	817791						
						1.0	0.4	60	27.8		8.3		25.2	81.6	5.5	1.1	8													
					Middle	3.9	0.4	55	27.7	27.7	8.1	8.1	27.7	27.7	70.0	70.0	4.7	4.1	1.1	4.6	7				8	822124	817791			
						3.9	0.5	54	27.7		8.1		27.7	70.0	4.7	1.1	8													
					Bottom	6.8	0.5	50	27.7	27.7	8.1	8.1	30.0	30.0	62.3	62.3	4.1	4.1	1.6	4.6	7							8	822124	817791
						6.8	0.5	56	27.7		8.1		30.0	62.3	4.1	1.6	8													
IM1	Cloudy	Moderate	13:16	6.6	Surface	1.0	0.3	187	28.5	28.5	8.0	8.0	26.9	26.9	68.3	68.3	4.6	4.5	4.6	8.1	7	6	818330	806477						
						1.0	0.3	189	28.5		8.0		26.9	68.3	4.6	5.0	6													
					Middle	3.3	0.3	185	28.1	28.1	8.0	8.0	27.7	27.7	65.6	65.5	4.4	4.4	8.7	4.6	6				6	818330	806477			
						3.3	0.3	184	28.1		8.0		27.7	65.4	4.4	8.9	5													
					Bottom	5.6	0.3	210	28.0	28.0	8.0	8.0	27.9	27.9	64.9	64.9	4.4	4.4	10.5	4.6	4							6	818330	806477
						5.6	0.3	207	28.0		8.0		27.9	64.8	4.3	10.9	5													
IM2	Cloudy	Moderate	13:23	8.3	Surface	1.0	0.3	196	28.9	28.9	8.0	8.0	25.8	25.8	73.7	73.6	4.9	4.6	2.6	6.9	8	6	819164	806247						
						1.0	0.3	198	28.9		8.0		25.8	73.5	4.9	2.7	8													
					Middle	4.2	0.4	198	28.1	28.1	8.0	8.0	27.3	27.4	63.4	63.3	4.3	4.2	7.9	4.6	7				6	819164	806247			
						4.2	0.4	196	28.1		8.0		27.4	63.1	4.2	7.1	6													
					Bottom	7.3	0.3	198	27.9	27.9	8.0	8.0	27.8	27.8	62.1	62.1	4.2	4.2	10.5	4.6	4							6	819164	806247
						7.3	0.3	194	27.9		8.0		27.8	62.1	4.2	10.2	5													
IM7	Cloudy	Moderate	13:50	8.8	Surface	1.0	0.4	189	29.1	29.1	7.9	7.9	25.7	25.8	69.0	68.8	4.6	4.7	2.9	5.3	4	5	821358	806836						
						1.0	0.4	192	29.0		7.9		25.8	68.6	4.6	3.0	5													
					Middle	4.4	0.3	182	28.9	28.9	8.0	8.0	26.6	26.6	70.3	70.3	4.7	4.3	4.0	4.6	4				5	821358	806836			
						4.4	0.4	185	28.8		8.0		26.6	70.2	4.7	4.5	6													
					Bottom	7.8	0.4	180	28.3	28.3	8.0	8.0	27.2	27.2	64.6	64.7	4.3	4.3	8.9	4.6	6							5	821358	806836
						7.8	0.4	180	28.3		8.0		27.2	64.8	4.3	8.6	6													

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Water Quality Monitoring

Water Quality Monitoring Results on 03 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Sunny	Moderate	12:34	9.6	Surface	1.0	0.5	85	28.6	28.6	8.7	8.7	21.6	21.6	95.4	95.4	6.5	6.3	1.0	1.8	8	8	822229	809844		
						1.0	0.6	92	28.6		8.7	8.7	21.6	21.6	95.3	95.3	6.5		1.1		8					
					Middle	4.8	0.5	79	28.6	28.6	8.5	8.5	22.7	22.8	90.2	90.2	6.1	6.1	1.1	6.1	7				6.1	7
						4.8	0.5	80	28.6		8.5	8.5	22.8	22.8	90.2	90.2	6.1		1.2		8					
					Bottom	8.6	0.5	89	28.6	28.7	8.5	8.5	23.0	23.0	90.0	90.0	6.1	6.1	3.2	6.1	7				6.1	7
						8.6	0.6	93	28.7		8.5	8.5	23.0	23.0	90.0	90.0	6.1		3.2		8					
IM11	Sunny	Moderate	12:45	7.2	Surface	1.0	0.7	79	29.4	29.4	8.4	8.4	21.6	21.6	95.1	95.1	6.4	6.3	1.1	1.9	9	9	821491	810562		
						1.0	0.7	83	29.4		8.4	8.4	21.6	21.6	95.0	95.0	6.4		1.0		8					
					Middle	3.6	0.6	96	29.3	29.3	8.4	8.4	22.1	22.1	91.8	91.8	6.2	6.2	1.2	6.2	9				6.2	9
						3.6	0.6	94	29.3		8.4	8.4	22.1	22.1	91.8	91.8	6.2		1.2		9					
					Bottom	6.2	0.7	77	29.4	29.5	8.4	8.4	23.9	23.9	84.6	84.7	5.6	5.6	3.6	5.6	9				5.6	9
						6.2	0.7	82	29.5		8.4	8.4	23.9	23.9	84.7	84.7	5.6		3.5		8					
IM12	Sunny	Moderate	12:49	7.0	Surface	1.0	0.8	112	28.3	28.3	8.4	8.4	21.4	21.4	95.1	95.1	6.5	6.3	1.0	1.8	8	9	821165	811514		
						1.0	0.8	107	28.2		8.4	8.4	21.4	21.4	95.0	95.0	6.5		1.0		9					
					Middle	3.5	0.7	103	28.1	28.1	8.2	8.2	23.3	23.3	88.0	88.0	6.0	6.0	1.4	6.0	8				6.0	8
						3.5	0.7	106	28.1		8.2	8.2	23.3	23.3	88.0	88.0	6.0		1.5		9					
					Bottom	6.0	0.8	73	28.1	28.1	8.2	8.2	23.8	23.8	86.7	86.8	5.9	5.9	2.7	5.9	9				5.9	9
						6.0	0.8	77	28.1		8.2	8.2	23.8	23.8	86.9	86.8	5.9		2.8		10					
SR1A	Sunny	Moderate	13:14	4.8	Surface	1.0	0.1	61	29.4	29.5	8.5	8.5	22.2	22.2	95.7	95.7	6.4	6.4	1.1	1.8	9	9	819983	812664		
						1.0	0.0	58	29.5		8.4	8.4	22.2	22.2	95.6	95.6	6.4		1.1		8					
					Middle	2.4	-	57	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.4	0.0	50	-		-	-	-	-	-	-	-		-		-					-
					Bottom	3.8	0.1	84	29.8	29.9	8.4	8.4	23.8	23.7	89.8	89.8	5.9	5.9	2.5	5.9	9				5.9	9
						3.8	0.0	90	29.9		8.4	8.4	23.7	23.7	89.8	89.8	5.9		2.4		10					
SR2	Sunny	Moderate	13:20	5.0	Surface	1.0	0.7	55	29.3	29.3	8.5	8.5	21.4	21.4	97.8	97.8	6.6	6.6	2.3	3.0	10	9	821480	814159		
						1.0	0.7	62	29.3		8.5	8.5	21.4	21.4	97.8	97.8	6.6		2.3		9					
					Middle	-	0.7	55	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.7	49	-		-	-	-	-	-	-	-		-		-					
					Bottom	4.0	0.7	70	29.3	29.3	8.3	8.3	22.6	22.6	93.2	93.2	6.2	6.2	3.7	6.2	8				6.2	8
						4.0	0.7	70	29.3		8.3	8.3	22.6	22.6	93.2	93.2	6.2		3.6		9					
SR3	Cloudy	Moderate	13:58	8.2	Surface	1.0	0.6	172	29.5	29.5	7.9	7.9	25.6	25.6	73.8	73.8	4.9	4.7	4.1	5.7	6	7	822154	807589		
						1.0	0.6	173	29.4		7.9	7.9	25.6	25.6	73.7	73.8	4.9		4.3		6					
					Middle	4.1	0.7	148	28.9	28.9	7.9	7.9	26.2	26.2	66.9	66.7	4.5	4.4	6.0	4.4	7				4.4	7
						4.1	0.7	152	28.9		7.9	7.9	26.2	26.2	66.5	66.7	4.4		6.1		7					
					Bottom	7.2	0.6	140	28.6	28.6	7.9	7.9	26.3	26.3	64.2	64.3	4.3	4.3	6.9	4.3	8				4.3	8
						7.2	0.6	135	28.6		7.9	7.9	26.3	26.3	64.3	64.3	4.3		7.0		9					
SR4A	Cloudy	Moderate	12:32	9.7	Surface	1.0	0.0	119	29.1	29.1	7.9	7.9	26.3	26.3	73.2	73.2	4.8	4.7	4.4	4.6	5	5	817201	807792		
						1.0	0.0	118	29.1		7.9	7.9	26.3	26.3	73.2	73.2	4.8		4.3		6					
					Middle	4.9	-	117	28.1	28.1	7.9	7.9	27.5	27.5	67.2	67.2	4.5	4.5	4.1	4.5	4				4.5	4
						4.9	0.0	116	28.1		7.9	7.9	27.5	27.5	67.2	67.2	4.5		4.1		5					
					Bottom	8.7	0.0	93	28.0	28.0	7.9	7.9	27.6	27.6	63.5	63.6	4.3	4.3	5.2	4.3	4				4.3	4
						8.7	0.0	93	28.0		7.9	7.9	27.6	27.6	63.7	63.7	4.3		5.2		4					
SR8	Sunny	Moderate	12:56	4.6	Surface	1.0	-	-	29.0	29.0	8.3	8.3	22.1	22.1	93.7	93.7	6.3	6.3	5.1	5.8	9	9	820398	811618		
						1.0	-	-	29.0		8.3	8.3	22.1	22.1	93.6	93.7	6.3		5.0		9					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-	-	-	-	-	-	-		-		-					
					Bottom	3.6	-	-	29.0	29.0	8.3	8.3	23.1	23.1	91.2	91.5	6.1	6.2	6.4	6.2	9				6.2	9
						3.6	-	-	29.0		8.3	8.3	23.1	23.1	91.7	91.7	6.2		6.5		9					

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Water Quality Monitoring

Water Quality Monitoring Results on 03 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
C1	Fine	Moderate	08:00	8.4	Surface	1.0	0.6	42	27.8	27.8	8.0	8.0	28.2	28.2	66.6	66.6	4.5	4.4	5.4	9.6	7	8	815617	804245						
						1.0	0.6	40	27.8		8.0	8.0	28.2	28.2	66.6	66.6	4.5		5.4		8									
					Middle	4.2	0.5	35	27.6	27.6	8.0	8.0	28.7	28.7	63.0	63.0	4.2	4.3	10.2	4.3	8				4.3	7	8	8	8	
						4.2	0.5	38	27.6		8.0	8.0	28.7	28.8	63.0	63.0	4.2		10.2		7									
					Bottom	7.4	0.5	39	27.5	27.5	8.0	8.0	28.8	28.8	63.5	63.6	4.3	4.3	13.1	4.3	8				4.3	8	9	8	8	8
						7.4	0.5	44	27.5		8.0	8.0	28.8	28.8	63.6	63.6	4.3		13.3		9									
C2	Fine	Moderate	06:25	11.4	Surface	1.0	0.2	347	28.6	28.6	7.9	7.9	25.4	25.4	67.3	67.3	4.5	4.5	9.3	11.4	11	9	825675	806922						
						1.0	0.2	352	28.6		7.9	7.9	25.4	25.8	67.2	65.4	4.5		9.6		11									
					Middle	5.7	0.2	333	28.5	28.5	7.9	7.9	25.8	25.8	65.4	65.4	4.4	4.4	10.5	4.4	10				4.4	9	7	8	8	
						5.7	0.2	327	28.5		7.9	7.9	25.8	25.8	65.4	65.7	4.4		10.0		9									
					Bottom	10.4	0.2	330	28.5	28.5	7.9	7.9	25.8	25.8	65.6	65.7	4.4	4.4	14.9	4.4	7				4.4	8	7	8	8	8
						10.4	0.2	322	28.5		7.9	7.9	25.8	25.8	65.8	65.7	4.4		14.2		8									
C3	Fine	Moderate	07:41	10.0	Surface	1.0	0.6	262	28.1	28.1	8.1	8.1	25.9	26.0	71.3	69.8	4.8	4.6	1.1	2.2	7	8	822115	817814						
						1.0	0.6	262	28.1		8.1	8.1	26.0	26.1	68.2	67.6	4.6		1.0		7									
					Middle	5.0	0.6	279	28.1	28.1	8.1	8.1	26.1	26.1	67.6	67.6	4.5	4.6	2.2	4.6	8				4.6	7	8	8	8	
						5.0	0.6	285	28.1		8.1	8.0	26.1	26.0	67.6	68.1	4.5		2.1		7									
					Bottom	9.0	0.6	255	28.1	28.1	8.0	8.0	26.1	26.0	67.9	68.1	4.6	4.6	3.3	4.6	9				4.6	8	9	8	8	8
						9.0	0.6	249	28.1		8.0	8.0	26.0	26.0	68.3	68.1	4.6		3.3		8									
IM1	Fine	Moderate	07:38	6.7	Surface	1.0	0.3	2	28.6	28.6	7.9	7.9	26.6	26.6	69.5	69.6	4.7	4.7	4.1	5.5	7	6	818369	806459						
						1.0	0.3	5	28.6		7.9	7.9	26.6	27.3	69.6	69.7	4.7		4.2		6									
					Middle	3.4	0.3	7	28.4	28.4	7.9	7.9	27.3	27.3	69.7	69.7	4.7	4.4	3.8	4.4	7				4.4	6	5	7	8	8
						3.4	0.3	6	28.4		7.9	7.9	27.3	27.9	69.7	64.9	4.7		3.8		6									
					Bottom	5.7	0.4	24	27.9	27.9	7.9	7.9	27.9	27.9	64.8	64.9	4.4	4.4	8.8	4.4	6				4.4	5	8	8	8	8
						5.7	0.4	28	27.9		7.9	7.9	27.9	27.9	64.9	65.1	4.4		8.3		5									
IM2	Fine	Moderate	07:31	7.5	Surface	1.0	0.3	9	28.6	28.6	7.9	7.9	26.3	26.3	68.2	68.2	4.6	4.7	3.5	4.1	6	8	819164	806259						
						1.0	0.3	8	28.6		7.9	7.9	26.3	27.3	68.2	68.2	4.6		3.5		7									
					Middle	3.8	0.3	17	28.4	28.4	8.0	8.0	27.3	27.3	72.1	72.1	4.8	4.4	3.1	4.4	7				4.4	8	9	8	8	8
						3.8	0.4	19	28.4		8.0	7.9	27.3	27.8	72.0	65.1	4.8		3.2		8									
					Bottom	6.5	0.3	1	27.9	27.9	7.9	7.9	27.8	27.8	65.1	65.1	4.4	4.4	5.7	4.4	9				4.4	8	8	8	8	8
						6.5	0.3	3	27.9		7.9	7.9	27.8	25.7	65.1	65.4	4.4		5.6		8									
IM7	Fine	Moderate	06:59	8.3	Surface	1.0	0.2	302	28.7	28.7	7.9	7.9	24.7	24.7	70.5	70.5	4.8	4.7	2.4	4.5	7	7	821361	806842						
						1.0	0.2	309	28.7		7.9	7.9	24.7	25.2	70.4	68.8	4.8		2.4		8									
					Middle	4.2	0.1	299	28.4	28.4	7.9	7.9	25.2	25.2	68.8	68.8	4.7	4.4	4.4	4.4	7				4.4	8	7	8	8	
						4.2	0.1	304	28.4		7.9	7.9	25.2	25.7	68.7	65.4	4.7		4.4		7									
					Bottom	7.3	0.2	299	28.4	28.4	7.9	7.9	25.7	25.7	65.4	65.4	4.4	4.4	6.8	4.4	7				4.4	8	7	8	8	8
						7.3	0.2	293	28.4		7.9	7.9	25.7	25.7	65.4	65.4	4.4		6.8		7									

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	08:56	9.8	Surface	1.0	0.4	308	<u>28.6</u>	8.1	8.1	<u>24.2</u>	24.2	<u>76.2</u>	75.5	5.1	4.9	2.4	3.9	8	9	822220	809843
						1.0	0.4	315	<u>28.6</u>	8.1	8.1	<u>24.2</u>	24.2	<u>74.8</u>	75.5	5.0		2.4		9			
					Middle	4.9	0.4	300	<u>28.6</u>	8.1	8.1	<u>24.3</u>	24.3	<u>70.0</u>	70.0	4.7	4.3	9					
						4.9	0.5	305	<u>28.6</u>	8.1	8.1	<u>24.3</u>	24.3	<u>69.9</u>	70.0	4.7	4.3	9					
					Bottom	8.8	0.4	315	<u>28.6</u>	8.1	8.1	<u>24.3</u>	24.3	<u>70.9</u>	71.2	4.8	5.0	10					
						8.8	0.4	317	<u>28.6</u>	8.1	8.1	<u>24.3</u>	24.3	<u>71.4</u>	71.2	4.8	5.0	8					
IM11	Fine	Moderate	08:47	8.0	Surface	1.0	0.4	289	<u>28.6</u>	8.1	8.1	<u>24.2</u>	24.2	<u>75.5</u>	75.5	5.1	5.1	1.2	4.2	10	10	821522	810558
						1.0	0.4	282	<u>28.6</u>	8.1	8.1	<u>24.2</u>	24.2	<u>75.5</u>	75.5	5.1		1.2		10			
					Middle	4.0	0.4	294	<u>28.5</u>	8.1	8.1	<u>24.3</u>	24.3	<u>75.5</u>	75.6	5.1	5.1	10					
						4.0	0.4	291	<u>28.5</u>	8.1	8.1	<u>24.3</u>	24.3	<u>75.6</u>	75.6	5.1	5.1	11					
					Bottom	7.0	0.5	299	<u>28.2</u>	7.9	7.9	<u>24.4</u>	24.5	<u>76.4</u>	76.6	5.2	6.1	11					
						7.0	0.5	291	<u>28.1</u>	7.9	7.9	<u>24.5</u>	24.5	<u>76.7</u>	76.6	5.2	6.1	10					
IM12	Fine	Moderate	08:40	7.8	Surface	1.0	0.5	274	<u>28.6</u>	8.2	8.2	<u>23.9</u>	23.9	<u>85.7</u>	85.6	5.8	5.4	3.3	5.1	11	10	821167	811538
						1.0	0.4	275	<u>28.5</u>	8.2	8.2	<u>23.9</u>	23.9	<u>85.5</u>	85.6	5.8		3.2		11			
					Middle	3.9	0.5	280	<u>28.5</u>	8.1	8.1	<u>24.0</u>	24.0	<u>74.9</u>	74.8	5.1	5.5	10					
						3.9	0.5	279	<u>28.5</u>	8.0	8.1	<u>24.0</u>	24.0	<u>74.6</u>	74.8	5.0	5.4	9					
					Bottom	6.8	0.5	290	<u>28.5</u>	8.0	8.0	<u>24.0</u>	24.0	<u>75.6</u>	76.3	5.1	6.4	10					
						6.8	0.5	293	<u>28.5</u>	8.0	8.0	<u>24.0</u>	24.0	<u>76.9</u>	76.3	5.2	6.5	9					
SR1A	Fine	Moderate	08:22	4.8	Surface	1.0	0.0	193	<u>28.5</u>	8.2	8.2	<u>23.7</u>	23.8	<u>81.1</u>	81.0	5.5	5.5	2.3	3.3	8	8	819972	812657
						1.0	0.0	193	<u>28.5</u>	8.2	8.2	<u>23.8</u>	23.8	<u>80.9</u>	81.0	5.5		2.3		7			
					Middle	2.4	0.0	212	-	-	-	-	-	-	-	-	-	-	-				
						2.4	-	215	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.8	0.0	188	<u>28.5</u>	8.2	8.2	<u>23.9</u>	23.9	<u>80.8</u>	80.8	5.5	4.2	8					
						3.8	0.0	185	<u>28.5</u>	8.2	8.2	<u>23.8</u>	23.9	<u>80.7</u>	80.8	5.5	4.2	8					
SR2	Fine	Moderate	08:01	5.2	Surface	1.0	0.1	260	<u>28.5</u>	8.1	8.1	<u>23.9</u>	23.9	<u>85.3</u>	85.2	5.8	5.8	1.2	2.4	8	8	821450	814143
						1.0	0.1	265	<u>28.5</u>	8.1	8.1	<u>23.9</u>	23.9	<u>85.1</u>	85.2	5.8		1.2		7			
					Middle	-	0.1	246	-	-	-	-	-	-	-	-	-	-					
						-	0.1	241	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.2	0.1	247	<u>28.5</u>	8.1	8.1	<u>23.9</u>	23.9	<u>85.4</u>	85.5	5.8	3.6	8					
						4.2	0.0	250	<u>28.5</u>	8.1	8.1	<u>23.9</u>	23.9	<u>85.6</u>	85.5	5.8	3.5	8					
SR3	Fine	Moderate	06:50	8.6	Surface	1.0	0.1	308	<u>28.7</u>	7.9	7.9	<u>25.0</u>	25.0	<u>68.9</u>	68.9	4.6	4.6	5.4	8.1	7	7	822128	807592
						1.0	0.1	314	<u>28.7</u>	7.9	7.9	<u>25.0</u>	25.0	<u>68.9</u>	68.9	4.6		5.4		6			
					Middle	4.3	0.2	302	<u>28.6</u>	7.9	7.9	<u>25.6</u>	25.6	<u>67.0</u>	67.0	4.5	8.3	7					
						4.3	0.2	303	<u>28.6</u>	7.9	7.9	<u>25.7</u>	25.6	<u>67.0</u>	67.0	4.5	8.5	8					
					Bottom	7.6	0.1	317	<u>28.5</u>	7.9	7.9	<u>25.9</u>	25.9	<u>68.2</u>	68.5	4.6	10.5	7					
						7.6	0.1	314	<u>28.5</u>	7.9	7.9	<u>25.9</u>	25.9	<u>68.7</u>	68.5	4.6	10.7	8					
SR4A	Fine	Moderate	08:27	8.4	Surface	1.0	0.0	136	<u>28.4</u>	7.9	7.9	<u>26.9</u>	26.9	<u>71.2</u>	71.2	4.7	4.5	5.7	7.9	5	6	817188	807789
						1.0	0.0	142	<u>28.5</u>	7.9	7.9	<u>26.9</u>	26.9	<u>71.2</u>	71.2	4.7		5.7		5			
					Middle	4.2	0.0	145	<u>28.2</u>	7.9	7.9	<u>27.2</u>	27.2	<u>64.3</u>	64.3	4.3	7.3	6					
						4.2	0.0	144	<u>28.2</u>	7.9	7.9	<u>27.2</u>	27.2	<u>64.2</u>	64.3	4.3	7.6	6					
					Bottom	7.4	0.0	115	<u>28.1</u>	7.9	7.9	<u>27.4</u>	27.4	<u>64.6</u>	64.6	4.3	10.3	6					
						7.4	0.0	110	<u>28.1</u>	7.9	7.9	<u>27.4</u>	27.4	<u>64.6</u>	64.6	4.3	10.6	6					
SR8	Fine	Moderate	08:34	5.0	Surface	1.0	-	-	<u>28.5</u>	8.2	8.2	<u>23.4</u>	23.4	<u>85.0</u>	84.4	5.8	5.8	1.8	2.3	8	7	820374	811603
						1.0	-	-	<u>28.5</u>	8.2	8.2	<u>23.4</u>	23.4	<u>83.8</u>	84.4	5.7		1.7		7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.0	-	-	<u>28.3</u>	8.0	8.0	<u>23.5</u>	23.5	<u>80.6</u>	82.7	5.5	3.0	7					
						4.0	-	-	<u>28.3</u>	8.0	8.0	<u>23.5</u>	23.5	<u>84.8</u>	82.7	5.8	2.9	7					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Rough	15:39	8.3	Surface	1.0	0.6	207	29.6	29.6	7.9	7.9	26.8	26.8	77.6	77.6	5.1	5.1	7.8	7.8	6	5	815642	804251
						1.0	0.6	203	29.6		7.9	7.9	26.8	26.8	77.6	77.6	5.1					6		
					Middle	4.2	0.7	206	29.6	7.9	7.9	26.9	26.9	76.9	76.9	5.1	7.7	6						
						4.2	0.7	199	29.6	7.9	7.9	26.9	26.9	76.8	76.8	5.1	7.8	5						
					Bottom	7.3	0.6	207	29.6	7.9	7.9	26.9	26.9	73.7	73.7	4.9	8.8	7						
						7.3	0.7	205	29.6	7.9	7.9	26.9	26.9	73.7	73.7	4.9	8.8	6						
C2	Sunny	Rough	14:06	9.2	Surface	1.0	0.3	177	29.9	29.9	7.9	7.9	26.9	26.9	77.7	77.7	5.1	5.1	5.5	5.5	4	4	825678	806939
						1.0	0.3	175	29.9		7.9	7.9	26.9	26.9	77.7	77.7	5.1					4.8		
					Middle	4.6	0.3	169	29.6	7.9	7.9	27.0	27.0	76.7	76.7	5.0	5.4	4						
						4.6	0.3	168	29.6	7.9	7.9	27.0	27.0	76.7	76.7	5.0	5.4	4						
					Bottom	8.2	0.3	170	29.6	7.8	7.8	27.3	27.3	75.4	75.4	4.9	6.4	3						
						8.2	0.2	173	29.6	7.8	7.8	27.3	27.3	75.2	75.2	4.9	6.4	4						
C3	Sunny	Moderate	15:14	7.8	Surface	1.0	0.5	71	28.6	28.6	7.9	7.9	26.3	26.3	64.5	64.4	4.3	4.3	1.6	1.6	5	6	822092	817780
						1.0	0.4	70	28.6		7.9	7.9	26.3	26.3	64.3	64.3	4.3					1.1		
					Middle	3.9	0.5	50	28.5	7.9	7.9	26.5	26.5	63.3	63.2	4.2	1.9	5						
						3.9	0.4	47	28.4	7.9	7.9	26.6	26.5	63.1	63.2	4.2	1.8	4						
					Bottom	6.8	0.5	90	28.3	7.9	7.9	26.8	26.8	63.5	63.6	4.3	2.0	4						
						6.8	0.5	96	28.3	7.9	7.9	26.8	26.8	63.6	63.6	4.3	2.0	4						
IM1	Sunny	Moderate	15:15	7.1	Surface	1.0	0.3	182	29.6	29.6	7.9	7.9	26.8	26.8	77.1	77.1	5.1	5.1	6.4	6.4	4	3	818330	806441
						1.0	0.3	181	29.6		7.9	7.9	26.8	26.8	77.1	77.1	5.1					5.7		
					Middle	3.6	0.4	168	29.6	7.9	7.9	26.9	26.9	76.5	76.5	5.0	6.3	5						
						3.6	0.3	161	29.6	7.9	7.9	26.9	26.9	76.5	76.5	5.0	6.3	4						
					Bottom	6.1	0.3	182	29.6	7.9	7.9	26.9	26.9	59.6	59.6	3.9	7.1	5						
						6.1	0.3	187	29.6	7.9	7.9	26.9	26.9	59.6	59.6	3.9	7.2	4						
IM2	Sunny	Moderate	15:03	7.4	Surface	1.0	0.2	176	29.7	29.7	7.9	7.9	25.5	25.5	79.4	79.4	5.2	5.1	5.2	5.2	4	3	819177	806255
						1.0	0.2	178	29.7		7.9	7.9	25.5	25.5	79.3	79.3	5.2					3.0		
					Middle	3.7	0.3	205	29.2	7.9	7.9	27.1	27.1	74.2	74.2	4.9	5.4	3						
						3.7	0.3	209	29.2	7.9	7.9	27.1	27.1	74.2	74.2	4.9	5.4	4						
					Bottom	6.4	0.3	187	28.4	7.9	7.9	30.6	30.6	60.1	60.2	4.0	7.3	4						
						6.4	0.3	184	28.4	7.9	7.9	30.6	30.6	60.2	60.2	4.0	7.3	4						
IM7	Sunny	Rough	14:40	7.7	Surface	1.0	0.2	139	29.5	29.5	7.9	7.9	25.7	25.7	81.5	81.5	5.4	4.8	3.5	3.5	4	3	821370	806846
						1.0	0.2	132	29.5		7.9	7.9	25.7	25.7	81.5	81.5	5.4					2.4		
					Middle	3.9	0.2	156	28.5	7.9	7.9	29.8	29.8	61.7	61.7	4.1	3.1	4						
						3.9	0.2	159	28.5	7.9	7.9	29.8	29.8	61.7	61.7	4.1	3.1	3						
					Bottom	6.7	0.2	127	28.3	7.9	7.9	30.7	30.7	57.5	57.5	3.8	4.9	6						
						6.7	0.2	121	28.3	7.9	7.9	30.7	30.7	57.5	57.5	3.8	4.9	5						

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	14:06	9.4	Surface	1.0	0.5	88	29.1	29.1	7.9	7.9	24.5	24.5	66.9	66.9	4.5	4.5	3.0	4.0	4	5	822253	809861
						1.0	0.5	92	29.1		7.9	7.9	24.5	24.5	66.9	66.9	4.5							
					Middle	4.7	0.5	99	29.0	29.0	7.9	7.9	24.9	24.9	65.7	65.7	4.5	4.4	4.3	4.0	4	5		
						4.7	0.5	104	29.0		7.9	7.9	24.9	24.9	65.7	65.7	4.5							
					Bottom	8.4	0.5	117	29.0	29.0	7.9	7.9	25.1	25.1	65.6	65.6	4.4	4.4	4.8	4.0	4	5		
						8.4	0.5	123	29.0		7.9	7.9	25.1	25.1	65.6	65.6	4.4							
IM11	Sunny	Moderate	14:11	7.2	Surface	1.0	0.6	91	29.1	29.1	7.9	7.9	24.5	24.5	67.9	67.9	4.6	4.6	1.2	2.8	4	5	821501	810559
						1.0	0.6	85	29.1		7.9	7.9	24.5	24.5	67.9	67.9	4.6							
					Middle	3.6	0.6	80	29.1	29.1	7.9	7.9	24.7	24.7	67.6	67.6	4.5	4.5	3.1	2.8	4	5		
						3.6	0.6	80	29.1		7.9	7.9	24.7	24.7	67.5	67.5	4.5							
					Bottom	6.2	0.6	71	28.9	28.9	7.9	7.9	25.1	25.1	66.5	66.6	4.5	4.5	4.3	2.8	4	5		
						6.2	0.6	76	28.9		7.9	7.9	25.1	25.1	66.6	66.6	4.5							
IM12	Sunny	Moderate	14:16	7.6	Surface	1.0	0.7	83	29.2	29.2	7.9	7.9	24.6	24.6	69.1	69.1	4.6	4.6	1.8	2.6	4	4	821169	811512
						1.0	0.6	77	29.2		7.9	7.9	24.6	24.6	69.0	69.0	4.6							
					Middle	3.8	0.7	101	29.1	29.1	7.9	7.9	25.0	24.9	67.4	67.4	4.5	4.5	2.6	2.6	4	5		
						3.8	0.7	106	29.1		7.9	7.9	24.9	24.9	67.3	67.4	4.5							
					Bottom	6.6	0.7	76	29.0	29.0	7.9	7.9	25.1	25.1	66.0	66.0	4.4	4.4	3.4	2.6	4	5		
						6.6	0.7	74	29.0		7.9	7.9	25.1	25.1	66.0	66.0	4.4							
SR1A	Sunny	Moderate	14:37	4.2	Surface	1.0	0.0	106	29.6	29.6	7.9	7.9	25.1	25.1	75.2	75.2	5.0	5.0	1.2	1.5	3	3	819971	812658
						1.0	0.1	107	29.6		7.9	7.9	25.1	25.1	75.2	75.2	5.0							
					Middle	2.1	0.0	120	-	-	-	-	-	-	-	-	-	-	-	1.5	3			
						2.1	0.1	121	-		-	-	-	-	-	-	-							
					Bottom	3.2	0.0	80	29.3	29.3	7.9	7.9	25.2	25.2	73.7	73.8	4.9	4.9	1.8	1.5	3			
						3.2	0.0	86	29.3		7.9	7.9	25.2	25.2	73.9	73.9	4.9							
SR2	Sunny	Moderate	14:55	5.0	Surface	1.0	0.7	37	29.4	29.4	7.9	7.9	24.3	24.3	73.0	73.0	4.9	4.9	1.3	1.8	6	5	821458	814157
						1.0	0.7	43	29.4		7.9	7.9	24.3	24.3	73.0	73.0	4.9							
					Middle	-	0.6	52	-	-	-	-	-	-	-	-	-	-	-	1.8	6			
						-	0.7	57	-		-	-	-	-	-	-	-							
					Bottom	4.0	0.7	74	29.4	29.4	7.9	7.9	24.2	24.2	74.1	74.2	5.0	5.0	2.3	1.8	4			
						4.0	0.7	79	29.4		7.9	7.9	24.2	24.2	74.2	74.2	5.0							
SR3	Sunny	Rough	14:31	8.1	Surface	1.0	0.4	142	29.6	29.6	7.9	7.9	26.9	26.9	77.5	77.6	5.1	5.0	3.7	6.4	4	4	822139	807547
						1.0	0.4	144	29.6		7.9	7.9	26.9	26.9	77.7	77.6	5.1							
					Middle	4.1	0.4	169	29.6	29.6	7.9	7.9	27.2	27.2	74.2	74.3	4.9	4.8	6.9	6.4	4			
						4.1	0.4	169	29.6		7.9	7.9	27.2	27.2	74.3	74.3	4.9							
					Bottom	7.1	0.4	126	29.5	29.5	7.8	7.8	27.4	27.4	72.5	72.5	4.8	4.8	8.5	6.4	4			
						7.1	0.4	127	29.5		7.8	7.8	27.4	27.4	72.5	72.5	4.8							
SR4A	Sunny	Moderate	16:07	9.6	Surface	1.0	0.0	17	29.6	29.6	7.9	7.9	27.9	27.9	74.6	74.6	4.9	4.7	2.0	5.5	4	4	817206	807793
						1.0	0.0	24	29.6		7.9	7.9	27.9	27.9	74.6	74.6	4.9							
					Middle	4.8	0.0	39	28.0	28.0	7.9	7.9	30.6	30.6	66.5	66.5	4.4	3.9	6.4	5.5	4			
						4.8	0.0	33	28.0		7.9	7.9	30.6	30.6	66.5	66.5	4.4							
					Bottom	8.6	0.0	49	27.5	27.5	7.9	7.9	31.4	31.4	58.1	58.1	3.9	4.6	8.2	5.5	4			
						8.6	0.0	46	27.5		7.9	7.9	31.4	31.4	58.1	58.1	3.9							
SR8	Sunny	Moderate	14:21	5.0	Surface	1.0	-	-	29.4	29.4	7.9	7.9	24.7	24.7	71.8	71.8	4.8	4.8	1.3	1.7	5	5	820404	811643
						1.0	-	-	29.4		7.9	7.9	24.7	24.7	71.8	71.8	4.8							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7	5			
						-	-	-	-		-	-	-	-	-	-	-							
					Bottom	4.0	-	-	29.1	29.1	7.9	7.9	25.1	25.1	68.9	69.0	4.6	4.6	2.2	1.7	4			
						4.0	-	-	29.1		7.9	7.9	25.1	25.1	69.0	69.0	4.6							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	08:08	7.1	Surface	1.0	0.4	28	30.0	30.0	7.8	7.8	24.5	24.5	82.8	82.9	5.5	5.4	3.4	3.4	3	3	815639	804249
						1.0	0.4	24	30.0	7.8	7.8	24.5	24.5	82.9	82.9	5.5	3.4							
					Middle	3.6	0.3	15	29.9	29.9	7.8	7.8	24.7	24.7	80.6	80.6	5.3	5.1	2.4	2.3	3			
						3.6	0.3	20	29.9	7.8	7.8	24.7	24.7	80.6	80.6	5.3	2.3							
					Bottom	6.1	0.3	35	29.8	29.8	7.8	7.8	25.5	25.5	77.7	77.7	5.1	5.1	4.4	4.5	3			
						6.1	0.3	41	29.8	7.8	7.8	25.5	25.5	77.7	77.7	5.1	4.5							
C2	Sunny	Moderate	09:43	8.3	Surface	1.0	0.5	340	29.5	29.5	7.8	7.8	27.3	27.3	77.5	77.5	5.1	5.0	2.1	2.1	4	5	825696	806956
						1.0	0.5	345	29.5	7.8	7.8	27.3	27.3	77.5	77.5	5.1	2.1							
					Middle	4.2	0.5	337	29.5	29.5	7.8	7.8	27.3	27.3	73.4	73.4	4.8	4.8	3.3	3.3	5			
						4.2	0.5	334	29.5	7.8	7.8	27.3	27.3	73.4	73.4	4.8	3.3							
					Bottom	7.3	0.5	351	29.5	29.5	7.8	7.8	27.3	27.3	72.8	72.8	4.8	4.8	5.8	5.8	5			
						7.3	0.4	358	29.5	7.8	7.8	27.3	27.3	72.8	72.8	4.8	5.8							
C3	Sunny	Moderate	09:13	11.2	Surface	1.0	0.7	261	28.0	28.0	7.8	7.8	27.4	27.4	62.0	62.0	4.2	4.2	1.1	1.1	4	4	822125	817802
						1.0	0.7	256	28.0	7.8	7.8	27.4	27.4	62.0	62.0	4.2	1.1							
					Middle	5.6	0.6	260	27.8	27.8	7.8	7.8	27.7	27.7	61.4	61.4	4.1	4.1	1.5	1.5	5			
						5.6	0.6	258	27.8	7.8	7.8	27.7	27.7	61.4	61.4	4.1	1.5							
					Bottom	10.2	0.6	268	27.7	27.7	7.8	7.8	27.8	27.9	60.8	60.8	4.1	4.1	1.7	1.7	5			
						10.2	0.6	261	27.7	7.8	7.8	27.9	27.9	60.7	60.7	4.1	1.7							
IM1	Sunny	Moderate	08:31	6.9	Surface	1.0	0.2	6	29.9	29.9	7.8	7.8	24.5	24.5	80.4	80.4	5.3	5.2	2.3	2.3	4	4	818358	806446
						1.0	0.1	2	29.9	7.8	7.8	24.6	24.5	80.4	80.4	5.3	2.3							
					Middle	3.5	0.1	30	29.9	29.9	7.8	7.8	25.5	25.5	75.8	75.8	5.0	5.0	3.6	3.6	4			
						3.5	0.2	24	29.9	7.8	7.8	25.5	25.5	75.8	75.8	5.0	3.6							
					Bottom	5.9	0.2	14	29.8	29.8	7.8	7.8	26.1	26.1	73.6	73.6	4.8	4.8	8.3	8.3	5			
						5.9	0.2	19	29.8	7.8	7.8	26.1	26.1	73.6	73.6	4.8	8.3							
IM2	Sunny	Moderate	08:43	6.4	Surface	1.0	0.2	323	30.0	30.0	7.8	7.8	23.9	23.9	82.7	82.7	5.5	5.4	1.6	1.6	4	4	819196	806256
						1.0	0.2	321	30.0	7.8	7.8	23.9	23.9	82.7	82.7	5.5	1.6							
					Middle	3.2	0.2	325	29.9	29.9	7.8	7.8	24.6	24.6	80.8	80.8	5.3	5.3	2.1	2.1	4			
						3.2	0.2	327	29.9	7.8	7.8	24.6	24.6	80.8	80.8	5.3	2.1							
					Bottom	5.4	0.2	313	29.9	29.9	7.8	7.8	25.4	25.4	76.7	76.7	5.1	5.1	3.1	3.0	4			
						5.4	0.2	305	29.9	7.8	7.8	25.4	25.4	76.7	76.7	5.1	3.0							
IM7	Sunny	Moderate	09:10	7.2	Surface	1.0	0.2	340	30.0	30.0	7.8	7.8	24.8	24.8	79.6	79.6	5.3	5.3	2.7	2.7	3	4	821372	806836
						1.0	0.2	344	30.0	7.8	7.8	24.8	24.8	79.6	79.6	5.3	2.7							
					Middle	3.6	0.2	339	29.9	29.9	7.8	7.8	25.4	25.4	78.7	78.7	5.2	5.2	3.2	3.2	4			
						3.6	0.2	340	29.9	7.8	7.8	25.4	25.4	78.7	78.7	5.2	3.2							
					Bottom	6.2	0.2	346	29.7	29.7	7.8	7.8	26.2	26.2	78.1	78.1	5.1	5.1	5.3	5.2	4			
						6.2	0.1	347	29.7	7.8	7.8	26.2	26.2	78.1	78.1	5.1	5.2							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	10:44	10.0	Surface	1.0	0.4	303	29.1	29.1	7.8	7.8	24.4	24.5	66.4	66.4	4.5	4.5	2.1	4.3	4	5	822224	809820
						1.0	0.4	304	29.1		7.8	7.8	24.5	24.5	66.3	66.3	4.5		2.1					
					Middle	5.0	0.4	292	29.0	29.0	7.8	7.8	24.8	24.8	66.2	66.2	4.5	4.5	4.3	4.3	5			
						5.0	0.4	296	29.0		7.8	7.8	24.8	24.8	66.2	66.2	4.5		4.3					
					Bottom	9.0	0.5	294	29.0	29.0	7.8	7.8	24.7	24.7	67.3	67.3	4.5	4.5	6.6	4.3	5			
						9.0	0.5	298	29.0		7.8	7.8	24.7	24.7	67.4	67.4	4.5		6.5					
IM11	Sunny	Moderate	10:39	8.2	Surface	1.0	0.3	284	29.2	29.2	7.9	7.9	24.3	24.3	68.8	68.8	4.6	4.6	1.0	1.7	6	4	821491	810521
						1.0	0.3	283	29.2		7.9	7.9	24.2	24.3	68.8	68.8	4.6		1.0					
					Middle	4.1	0.3	289	29.1	29.1	7.9	7.9	24.6	24.6	68.0	68.0	4.6	4.6	1.6	1.6	4			
						4.1	0.3	291	29.1		7.9	7.9	24.6	24.6	68.0	68.0	4.6		1.6					
					Bottom	7.2	0.4	310	29.1	29.1	7.9	7.9	24.8	24.8	69.3	69.3	4.6	4.7	2.6	2.6	3			
						7.2	0.4	302	29.1		7.9	7.9	24.8	24.8	69.4	69.4	4.7		2.6					
IM12	Sunny	Moderate	10:28	7.8	Surface	1.0	0.5	298	29.4	29.4	7.9	7.9	24.6	24.6	71.3	71.3	4.8	4.8	1.4	2.2	3	4	821148	811521
						1.0	0.5	302	29.4		7.9	7.9	24.6	24.6	71.2	71.2	4.8		1.4					
					Middle	3.9	0.4	268	29.3	29.3	7.9	7.9	24.8	24.8	69.7	69.7	4.7	4.7	1.8	1.8	4			
						3.9	0.4	271	29.3		7.9	7.9	24.8	24.8	69.6	69.6	4.7		1.8					
					Bottom	6.8	0.5	293	28.9	28.9	7.9	7.9	25.2	25.2	67.7	67.7	4.5	4.6	3.2	3.2	5			
						6.8	0.5	289	28.9		7.9	7.9	25.2	25.2	67.9	67.9	4.6		3.2					
SR1A	Sunny	Moderate	10:00	3.8	Surface	1.0	0.1	207	29.2	29.2	7.8	7.8	25.1	25.1	69.4	69.4	4.6	4.6	1.7	2.2	3	3	819972	812660
						1.0	0.0	201	29.2		7.8	7.8	25.1	25.1	69.4	69.4	4.6		1.7					
					Middle	1.9	0.1	207	-	-	-	-	-	-	-	-	-	-	-	-	-			
						1.9	-	213	-		-	-	-	-	-	-	-		-					
					Bottom	2.8	0.1	207	29.1	29.1	7.8	7.8	25.1	25.1	69.5	69.5	4.6	4.6	2.7	2.7	3			
						2.8	0.0	201	29.1		7.8	7.8	25.1	25.1	69.5	69.5	4.6		2.7					
SR2	Sunny	Moderate	09:41	4.0	Surface	1.0	0.2	261	29.0	29.0	7.9	7.9	25.2	25.2	67.6	67.6	4.5	4.5	2.0	3.3	6	6	821466	814164
						1.0	0.2	260	29.0		7.9	7.9	25.2	25.2	67.5	67.5	4.5		2.0					
					Middle	-	0.1	242	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.1	239	-		-	-	-	-	-	-	-		-					
					Bottom	3.0	0.1	274	28.2	28.2	7.9	7.9	26.7	26.7	62.3	62.3	4.2	4.2	4.6	4.2	4			
						3.0	0.1	267	28.2		7.9	7.9	26.7	26.7	62.3	62.3	4.2		4.5					
SR3	Sunny	Moderate	09:22	7.8	Surface	1.0	0.3	340	29.5	29.5	7.8	7.8	27.3	27.3	78.4	78.4	5.1	5.0	2.3	4.9	4	4	822144	807555
						1.0	0.3	344	29.5		7.8	7.8	27.3	27.3	78.4	78.4	5.1		2.3					
					Middle	3.9	0.3	346	29.5	29.5	7.8	7.8	27.3	27.3	73.8	73.8	4.8	4.8	5.4	4.8	4			
						3.9	0.4	341	29.5		7.8	7.8	27.3	27.3	73.8	73.8	4.8		5.4					
					Bottom	6.8	0.3	344	29.5	29.5	7.8	7.8	27.4	27.4	72.8	72.8	4.8	4.8	6.9	4.8	4			
						6.8	0.3	349	29.5		7.8	7.8	27.4	27.4	72.8	72.8	4.8		7.0					
SR4A	Sunny	Moderate	07:46	8.9	Surface	1.0	0.0	237	30.0	30.0	7.8	7.8	24.3	24.3	82.1	82.1	5.4	5.3	1.6	4.1	4	4	817192	807817
						1.0	0.1	233	30.0		7.8	7.8	24.3	24.3	82.1	82.1	5.4		1.7					
					Middle	4.5	0.0	237	29.8	29.8	7.8	7.8	25.4	25.4	78.2	78.2	5.2	4.9	3.9	4.1	4			
						4.5	0.0	237	29.8		7.8	7.8	25.4	25.4	78.2	78.2	5.2		3.9					
					Bottom	7.9	0.0	235	29.7	29.7	7.8	7.8	26.3	26.3	74.7	74.7	4.9	4.9	6.8	4.9	4			
						7.9	0.0	228	29.7		7.8	7.8	26.3	26.3	74.8	74.8	4.9		6.9					
SR8	Sunny	Moderate	10:23	5.0	Surface	1.0	-	-	29.2	29.2	7.9	7.9	25.1	25.1	67.4	67.4	4.5	4.5	3.0	3.0	4	5	820371	811632
						1.0	-	-	29.1		7.9	7.9	25.1	25.1	67.4	67.4	4.5		3.0					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	4.0	-	-	29.0	29.0	7.9	7.9	25.1	25.1	67.4	67.4	4.5	4.5	3.1	3.1	6			
						4.0	-	-	29.0		7.9	7.9	25.1	25.1	67.5	67.5	4.5		3.1					

DA: Depth-Averaged

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA										
C1	Cloudy	Moderate	18:06	8.4	Surface	1.0	0.3	217	30.2	30.2	8.0	8.0	21.7	21.7	90.9	90.6	6.1	5.2	3.8	9.3	<2	2	815640	804226								
						1.0	0.2	215	30.2		8.0	8.0	21.7	21.7	90.2	90.6	6.1		4.0													
					Middle	4.2	0.3	200	28.6	28.6	8.0	8.0	28.2	28.2	64.4	65.0	4.3	10.4	<2													
						4.2	0.4	205	28.6		8.0	8.0	28.2	28.2	65.6	65.0	4.4	10.5	<2													
					Bottom	7.4	0.3	223	28.3	28.3	8.0	8.0	28.5	28.5	60.1	60.5	4.0	13.6	2													
						7.4	0.2	229	28.3		8.0	8.0	28.5	28.5	60.9	60.5	4.1	13.6	<2													
					C2	Cloudy	Moderate	16:17	12.2	Surface	1.0	0.2	158	30.2	30.2	7.9	7.9	22.3	22.4	88.9	88.5				5.9	5.6	4.7	8.5	<2	<2	825703	806943
											1.0	0.2	153	30.2		7.9	7.9	22.4	22.4	88.1	88.5				5.9		4.6					
Middle	6.1	0.2	172	30.0						30.0	7.9	7.9	23.4	23.4	79.3	79.3	5.3	10.4	<2													
	6.1	0.2	179	30.0							7.9	7.9	23.4	23.4	79.3	79.3	5.3	10.4	<2													
Bottom	11.2	0.2	151	29.9						29.9	7.9	7.9	23.6	23.8	74.0	74.0	4.9	10.5	<2													
	11.2	0.2	155	29.9							7.9	7.9	24.1	23.8	74.0	74.0	4.9	10.5	<2													
C3	Fine	Moderate	18:11	11.2	Surface	1.0	0.3	79	29.4	29.4	7.9	7.9	27.1	27.1	81.6	81.6	5.4	5.1	0.2	0.7	2	2	822109	817783								
						1.0	0.3	73	29.4		7.9	7.9	27.1	27.1	81.6	81.6	5.4		0.2													
					Middle	5.6	0.2	62	28.4	28.4	7.9	7.9	29.0	29.0	70.6	70.6	4.7	0.4	<2													
						5.6	0.3	62	28.4		7.9	7.9	29.0	29.0	70.6	70.6	4.7	0.4	2													
					Bottom	10.2	0.3	69	27.5	27.5	7.9	7.9	31.0	31.0	62.1	62.1	4.1	1.4	2													
						10.2	0.3	73	27.5		7.9	7.9	31.0	31.0	62.1	62.1	4.1	1.4	<2													
IM1	Cloudy	Moderate	17:34	6.2	Surface	1.0	0.2	190	30.0	30.1	8.0	8.0	23.2	23.2	88.6	88.6	5.9	5.7	3.7	4.6	<2	2	818342	806437								
						1.0	0.2	193	30.1		8.0	8.0	23.2	23.2	88.6	88.6	5.9		3.7													
					Middle	3.1	0.2	187	29.6	29.6	8.0	8.0	24.2	24.2	81.7	81.4	5.5	4.9	<2													
						3.1	0.2	187	29.6		8.0	8.0	24.2	24.2	81.1	81.4	5.4	5.1	<2													
					Bottom	5.2	0.2	186	29.5	29.5	8.0	8.0	24.8	24.8	77.4	77.4	5.2	5.2	<2													
						5.2	0.2	178	29.4		8.0	8.0	24.8	24.8	77.3	77.4	5.2	5.2	<2													
IM2	Cloudy	Moderate	17:26	7.2	Surface	1.0	0.3	213	30.0	30.1	8.0	8.0	23.2	23.2	88.6	88.6	5.9	5.6	3.7	4.6	<2	2	819190	806221								
						1.0	0.3	217	30.1		8.0	8.0	23.2	23.2	88.6	88.6	5.9		3.7													
					Middle	3.6	0.3	211	29.6	29.6	8.0	8.0	24.2	24.2	80.1	80.1	5.3	4.9	2													
						3.6	0.3	210	29.6		8.0	8.0	24.2	24.2	80.1	80.1	5.3	5.1	2													
					Bottom	6.2	0.2	196	29.5	29.5	8.0	8.0	24.8	24.8	72.3	72.3	4.8	5.2	<2													
						6.2	0.2	200	29.4		8.0	8.0	24.8	24.8	72.3	72.3	4.8	5.2	2													
IM7	Cloudy	Moderate	16:52	7.5	Surface	1.0	0.1	138	30.3	30.3	7.9	7.9	21.8	21.9	89.5	89.0	6.0	5.7	4.1	6.4	<2	2	821355	806852								
						1.0	0.1	133	30.2		7.9	7.9	22.0	21.9	88.5	89.0	5.9		4.5													
					Middle	3.8	0.2	142	29.9	29.9	7.9	7.9	22.6	22.6	81.5	81.2	5.5	5.8	<2													
						3.8	0.2	146	29.8		7.9	7.9	22.6	22.6	80.8	81.2	5.4	6.3	<2													
					Bottom	6.5	0.1	127	29.5	29.5	7.9	7.9	25.3	25.3	76.3	76.7	5.1	8.7	<2													
						6.5	0.2	122	29.5		7.9	7.9	25.3	25.3	77.1	76.7	5.1	8.7	<2													

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	16:17	8.1	Surface	1.0	0.2	87	29.8	29.8	7.9	7.9	25.5	25.5	86.3	86.3	5.7	5.3	0.9	1.7	<2	<2	822250	809839
						1.0	0.1	92	29.8		7.9	7.9	25.5	25.5	86.3	86.3	5.7		0.9					
					Middle	4.1	0.2	84	29.4	29.4	7.8	7.8	27.1	27.1	74.5	74.5	4.9	4.9	1.8	<2				
						4.1	0.2	87	29.4		7.8	7.8	27.1	27.1	74.5	74.5	4.9		1.8					
					Bottom	7.1	0.2	115	29.2	29.2	7.8	7.8	27.5	27.5	73.7	73.8	4.9	4.9	2.4	<2				
						7.1	0.2	117	29.2		7.8	7.8	27.5	27.5	73.8	73.8	4.9		2.4					
IM11	Fine	Moderate	16:32	7.4	Surface	1.0	0.3	94	29.9	29.9	7.9	7.9	25.5	25.5	88.3	88.3	5.8	5.7	1.8	1.7	<2	<2	821515	810538
						1.0	0.3	97	29.9		7.9	7.9	25.5	25.5	88.3	88.3	5.8		1.8					
					Middle	3.7	0.3	108	29.7	29.7	7.9	7.9	26.1	26.1	82.9	82.9	5.5	5.5	1.3	<2				
						3.7	0.3	108	29.7		7.9	7.9	26.1	26.1	82.9	82.9	5.5		1.3					
					Bottom	6.4	0.3	101	29.2	29.2	7.9	7.9	27.4	27.4	75.6	75.6	5.0	5.0	2.2	<2				
						6.4	0.3	107	29.2		7.9	7.9	27.4	27.4	75.6	75.6	5.0		2.2					
IM12	Fine	Moderate	16:45	7.1	Surface	1.0	0.3	88	30.1	30.1	7.9	7.9	25.6	25.6	90.4	90.4	5.9	5.6	1.3	2.8	3	2	821179	811504
						1.0	0.3	86	30.1		7.9	7.9	25.6	25.6	90.4	90.4	5.9		1.3					
					Middle	3.6	0.4	92	29.6	29.6	7.9	7.9	26.6	26.6	79.8	79.8	5.2	5.2	2.6	<2				
						3.6	0.3	87	29.6		7.9	7.9	26.6	26.6	79.8	79.8	5.2		2.7					
					Bottom	6.1	0.4	76	29.2	29.2	7.8	7.8	27.6	27.6	72.1	72.1	4.8	4.8	4.3	<2				
						6.1	0.3	68	29.2		7.8	7.8	27.6	27.6	72.1	72.1	4.8		4.4					
SR1A	Fine	Calm	17:29	4.6	Surface	1.0	-	119	30.0	30.0	7.9	7.9	25.9	25.9	90.9	90.9	6.0	6.0	3.0	3.6	<2	<2	819981	812663
						1.0	0.0	119	30.0		7.9	7.9	25.9	25.9	90.9	90.9	6.0		3.0					
					Middle	2.3	0.0	140	-	-	-	-	-	-	-	-	-	-	-	<2				
						2.3	0.0	134	-		-	-	-	-	-	-	-		-					
					Bottom	3.6	0.1	114	29.6	29.6	7.9	7.9	26.3	26.3	84.5	84.5	5.6	5.6	4.3	<2				
						3.6	0.1	109	29.6		7.9	7.9	26.3	26.3	84.5	84.5	5.6		4.3					
SR2	Fine	Moderate	17:48	5.8	Surface	1.0	0.3	63	29.1	29.1	7.9	7.9	27.5	27.5	79.5	79.5	5.2	5.2	1.2	2.3	<2	<2	821466	814158
						1.0	0.4	67	29.1		7.9	7.9	27.5	27.5	79.5	79.5	5.2		1.2					
					Middle	-	0.4	32	-	-	-	-	-	-	-	-	-	-	-	<2				
						-	0.4	38	-		-	-	-	-	-	-	-		-					
					Bottom	4.8	0.4	49	28.2	28.2	7.9	7.9	29.5	29.5	69.0	69.0	4.6	4.6	3.4	<2				
						4.8	0.4	43	28.2		7.9	7.9	29.5	29.5	69.0	69.0	4.6		3.4					
SR3	Cloudy	Moderate	16:42	8.4	Surface	1.0	0.2	167	30.3	30.3	7.9	7.9	21.6	21.6	90.3	90.3	6.1	5.7	3.9	5.9	2	2	822127	807567
						1.0	0.3	159	30.3		7.9	7.9	21.6	21.6	90.3	90.3	6.1		3.9					
					Middle	4.2	0.3	140	29.7	29.7	8.0	8.0	23.1	23.1	79.9	79.9	5.3	5.3	6.6	<2				
						4.2	0.3	146	29.6		8.0	8.0	23.2	23.1	79.9	79.9	5.3		7.0					
					Bottom	7.4	0.2	143	29.5	29.5	8.0	8.0	25.4	25.4	76.0	76.0	5.1	5.1	7.1	<2				
						7.4	0.2	139	29.5		8.0	8.0	25.4	25.4	76.0	76.0	5.1		7.1					
SR4A	Cloudy	Moderate	18:43	9.4	Surface	1.0	0.0	314	30.5	30.5	8.0	8.0	21.1	21.1	98.0	97.8	6.4	6.1	3.8	5.5	<2	<2	817208	807801
						1.0	0.0	317	30.5		8.0	8.0	21.1	21.1	97.6	97.8	6.4		3.9					
					Middle	4.7	0.0	312	30.1	30.1	8.0	8.0	22.1	22.1	86.7	86.2	5.8	5.8	5.8	<2				
						4.7	0.0	314	30.0		8.0	8.0	22.1	22.1	85.7	86.2	5.8		6.2					
					Bottom	8.4	0.0	302	29.8	29.9	8.0	8.0	25.0	25.1	76.1	76.6	5.0	5.1	6.7	<2				
						8.4	0.0	305	29.9		8.0	8.0	25.2	25.1	77.0	77.0	5.1		6.6					
SR8	Fine	Calm	16:53	4.9	Surface	1.0	-	-	30.4	30.4	7.9	7.9	25.3	25.3	92.1	92.1	6.0	6.0	3.1	3.8	<2	2	820378	811637
						1.0	-	-	30.4		7.9	7.9	25.3	25.3	92.1	92.1	6.0		3.1					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<2				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	3.9	-	-	29.6	29.6	7.9	7.9	26.7	26.7	79.3	79.3	5.2	5.2	4.4	<2				
						3.9	-	-	29.6		7.9	7.9	26.7	26.7	79.3	79.3	5.2		4.5					

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Water Quality Monitoring

Water Quality Monitoring Results on 08 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	11:43	8.3	Surface	1.0	0.2	20	29.8	29.8	8.0	8.0	21.8	21.8	83.2	82.9	5.6	4.8	4.9	8.1	2	815598	804260	
						1.0	0.2	21	29.8		8.0	8.0	21.8	21.8	82.5	82.9	5.6		4.9					
					Middle	4.2	0.3	9	28.1	28.1	8.0	8.0	28.3	28.3	59.4	59.5	4.0	4.3	9.3	2	2			
						4.2	0.3	12	28.1		8.0	8.0	28.3	28.3	59.6	59.5	4.0		9.2					
					Bottom	7.3	0.2	43	28.0	28.0	8.0	8.0	28.5	28.5	63.8	64.2	4.3	4.3	10.3	2	2			
						7.3	0.2	49	28.0		8.0	8.0	28.5	28.5	64.5	64.2	4.3		10.0					
C2	Fine	Moderate	12:57	11.8	Surface	1.0	0.3	348	30.4	30.4	7.9	7.9	23.0	22.2	90.9	90.7	6.1	5.7	5.2	9.2	2	825669	806947	
						1.0	0.3	353	30.4		7.9	7.9	21.3	22.2	90.4	90.7	6.0		5.2					
					Middle	5.9	0.2	338	29.8	29.8	7.9	7.9	23.2	23.3	79.7	79.5	5.3	5.2	8.4	2	2			
						5.9	0.2	341	29.8		7.9	7.9	23.4	23.3	79.3	79.5	5.3		8.4					
					Bottom	10.8	0.2	3	29.7	29.7	7.9	7.9	24.2	24.2	74.3	74.4	5.0	5.0	14.2	2	2			
						10.8	0.2	4	29.7		7.9	7.9	24.2	24.2	74.5	74.4	5.0		14.2					
C3	Sunny	Moderate	11:12	10.6	Surface	1.0	0.4	270	29.6	29.6	7.8	7.8	26.2	26.2	82.1	82.1	5.4	5.2	1.5	3.8	<2	822123	817813	
						1.0	0.4	268	29.6		7.8	7.8	26.2	26.2	82.1	82.1	5.4		1.5					
					Middle	5.3	0.3	261	29.2	29.2	7.8	7.8	27.4	27.4	74.5	74.5	4.9	4.5	3.4	2	2			
						5.3	0.4	262	29.2		7.8	7.8	27.4	27.4	74.5	74.5	4.9		3.4					
					Bottom	9.6	0.3	261	28.6	28.6	7.8	7.8	29.3	29.3	67.9	68.0	4.5	4.5	6.6	2	2			
						9.6	0.3	263	28.6		7.8	7.8	29.3	29.3	68.0	68.0	4.5		6.6					
IM1	Fine	Moderate	12:05	6.3	Surface	1.0	0.1	356	29.8	29.8	8.0	8.0	22.2	22.2	87.3	87.0	5.9	5.3	2.4	5.5	<2	818327	806468	
						1.0	0.1	0	29.7		8.0	8.0	22.3	22.2	86.7	87.0	5.8		2.5					
					Middle	3.2	0.2	-	29.3	29.3	7.9	7.9	25.3	25.4	71.0	70.8	4.7	4.6	3.3	2	2			
						3.2	0.2	359	29.2		7.9	7.9	25.4	25.4	70.6	70.8	4.7		3.4					
					Bottom	5.3	0.2	346	29.2	29.2	7.9	7.9	25.8	25.8	69.3	69.5	4.6	4.6	10.8	2	2			
						5.3	0.1	345	29.2		7.9	7.9	25.8	25.8	69.7	69.5	4.6		11.0					
IM2	Fine	Moderate	12:10	7.2	Surface	1.0	0.1	348	29.6	29.6	7.9	7.9	24.1	24.1	80.1	79.9	5.3	5.1	4.3	5.1	<2	819177	806221	
						1.0	0.2	349	29.6		7.9	7.9	24.1	24.1	79.7	79.9	5.3		4.3					
					Middle	3.6	0.1	359	29.3	29.3	7.9	7.9	25.4	25.5	74.1	74.0	4.9	4.6	4.9	2	2			
						3.6	0.1	354	29.2		7.9	7.9	25.6	25.5	73.9	74.0	4.9		5.4					
					Bottom	6.2	0.1	345	29.1	29.1	7.9	7.9	26.1	26.1	68.4	68.8	4.6	4.6	5.8	2	2			
						6.2	0.1	350	29.1		7.9	7.9	26.1	26.1	69.1	68.8	4.6		5.8					
IM7	Fine	Moderate	12:43	7.9	Surface	1.0	0.1	300	30.1	30.1	7.9	7.9	20.7	20.7	93.5	93.4	6.3	6.1	3.6	5.2	2	821360	806844	
						1.0	0.1	295	30.1		7.9	7.9	20.7	20.7	93.3	93.4	6.3		3.7					
					Middle	4.0	0.1	310	30.0	30.0	7.9	7.9	21.8	21.9	86.1	86.1	5.8	5.4	4.1	2	2			
						4.0	0.1	302	30.0		7.9	7.9	21.9	21.9	86.0	86.1	5.8		4.5					
					Bottom	6.9	0.1	339	29.8	29.8	7.9	7.9	22.9	22.9	80.6	80.6	5.4	5.4	7.7	2	2			
						6.9	0.0	344	29.8		7.9	7.9	22.9	22.9	80.6	80.6	5.4		7.7					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
IM10	Sunny	Moderate	13:14	7.8	Surface	1.0	0.3	300	30.2	30.2	7.9	7.9	24.0	24.0	97.9	97.9	6.5	6.4	2.0	2.7	<2	<2	822239	809830	
						1.0	0.3	295	30.2		7.9	7.9	24.0	24.0	97.9	6.5	2.1								
					Middle	3.9	0.3	285	30.1	30.1	7.9	7.9	24.4	24.4	93.5	93.5	6.2	5.3	2.6	5.3	2.7				<2
						3.9	0.3	292	30.1		7.9	7.9	24.4	24.4	93.4	6.2	2.7								
					Bottom	6.8	0.3	290	30.1	30.1	7.8	7.8	25.9	25.9	81.2	81.2	5.3	5.3	3.4	5.3	3.4				<2
						6.8	0.3	293	30.1		7.8	7.8	25.9	25.9	81.2	5.3	3.4								
IM11	Sunny	Moderate	12:51	6.9	Surface	1.0	0.4	286	30.1	30.1	7.9	7.9	24.5	24.5	94.7	94.7	6.2	6.1	2.6	3.5	<2	2	821478	810530	
						1.0	0.3	291	30.1		7.9	7.9	24.5	24.5	94.6	6.2	2.6								
					Middle	3.5	0.4	276	30.1	30.1	7.9	7.9	24.9	24.9	89.3	89.3	5.9	5.1	3.8	5.1	3.8				<2
						3.5	0.4	282	30.1		7.9	7.9	24.9	24.9	89.3	5.9	3.8								
					Bottom	5.9	0.4	298	30.1	30.1	7.8	7.8	26.0	26.0	77.4	77.4	5.1	5.1	4.2	5.1	4.2				<2
						5.9	0.4	303	30.1		7.8	7.8	26.0	26.0	77.4	5.1	4.2								
IM12	Sunny	Moderate	12:38	6.5	Surface	1.0	0.3	296	30.2	30.2	7.9	7.9	25.1	25.1	87.3	87.3	5.7	5.7	2.1	3.1	<2	<2	821148	811496	
						1.0	0.3	289	30.2		7.9	7.9	25.1	25.1	87.3	5.7	2.1								
					Middle	3.3	0.3	277	30.2	30.2	7.8	7.8	25.1	25.1	86.4	86.4	5.7	5.0	3.0	5.0	3.1				<2
						3.3	0.3	273	30.2		7.8	7.8	25.2	25.1	86.4	5.7	3.1								
					Bottom	5.5	0.3	267	30.1	30.1	7.8	7.8	26.1	26.1	75.7	75.7	5.0	5.0	4.1	5.0	4.1				<2
						5.5	0.3	274	30.1		7.8	7.8	26.1	26.1	75.7	5.0	4.1								
SR1A	Sunny	Calm	11:58	4.2	Surface	1.0	-	200	29.4	29.4	7.9	7.9	26.7	26.7	81.2	81.2	5.4	5.4	4.7	5.5	<2	<2	819970	812662	
						1.0	0.0	194	29.4		7.9	7.9	26.7	26.7	81.2	5.4	4.8								
					Middle	2.1	0.1	198	-	-	-	-	-	-	-	-	-	-	-	-	-				<2
						2.1	0.1	194	-		-	-	-	-	-	-	-								
					Bottom	3.2	0.0	183	29.1	29.1	7.9	7.9	27.8	27.8	73.1	73.1	4.8	4.8	6.3	4.8	6.4				<2
						3.2	0.1	178	29.0		7.9	7.9	27.8	27.8	73.1	4.8	6.4								
SR2	Sunny	Moderate	11:39	4.4	Surface	1.0	0.1	258	29.8	29.8	7.8	7.8	25.8	25.8	83.2	83.2	5.5	5.5	3.3	3.8	<2	<2	821466	814185	
						1.0	0.1	255	29.8		7.8	7.8	25.8	25.8	83.2	5.5	3.3								
					Middle	-	0.1	273	-	-	-	-	-	-	-	-	-	-	-	-	-				<2
						-	0.2	265	-		-	-	-	-	-	-	-								
					Bottom	3.4	0.1	262	29.2	29.2	7.8	7.8	27.3	27.3	75.6	75.6	5.0	5.0	4.2	5.0	4.2				<2
						3.4	0.1	260	29.2		7.8	7.8	27.3	27.3	75.6	5.0	4.2								
SR3	Fine	Moderate	12:49	8.3	Surface	1.0	0.2	341	30.7	30.7	7.9	7.9	20.7	20.7	93.7	93.6	6.3	5.8	3.3	4.1	<2	<2	822168	807561	
						1.0	0.2	344	30.7		7.9	7.9	20.7	20.7	93.4	6.2	3.5								
					Middle	4.2	0.2	339	29.8	29.8	7.9	7.9	22.9	23.0	78.7	78.6	5.3	5.2	4.8	5.2	4.8				<2
						4.2	0.2	341	29.8		7.9	7.9	23.0	23.0	78.4	5.2	4.8								
					Bottom	7.3	0.2	347	29.7	29.7	7.9	7.9	23.5	23.5	78.0	78.0	5.2	5.2	4.2	5.2	4.3				<2
						7.3	0.2	344	29.7		7.9	7.9	23.5	23.5	78.0	5.2	4.3								
SR4A	Fine	Moderate	11:16	8.8	Surface	1.0	0.0	138	30.2	30.2	7.8	7.8	23.2	23.2	78.9	78.9	5.2	5.0	4.3	5.7	<2	<2	817205	807795	
						1.0	0.0	139	30.2		7.8	7.8	23.2	23.2	78.8	5.2	4.3								
					Middle	4.4	0.1	149	29.9	29.9	7.8	7.8	23.6	23.6	71.4	71.1	4.7	3.8	4.3	3.8	4.3				<2
						4.4	-	143	29.9		7.8	7.8	23.6	23.6	70.7	4.7	4.3								
					Bottom	7.8	0.0	127	28.7	28.7	7.9	7.9	27.0	27.0	57.2	57.3	3.8	3.8	8.7	3.8	8.5				<2
						7.8	0.0	133	28.7		7.9	7.9	27.0	27.0	57.4	3.8	8.5								
SR8	Sunny	Calm	12:29	4.3	Surface	1.0	-	-	30.1	30.1	7.9	7.9	24.1	24.1	94.5	94.5	6.3	6.3	1.7	2.5	<2	<2	820394	811608	
						1.0	-	-	30.1		7.9	7.9	24.1	24.1	94.5	6.3	1.7								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				<2
						-	-	-	-		-	-	-	-	-	-	-								
					Bottom	3.3	-	-	30.1	30.1	7.8	7.8	25.9	25.9	89.9	89.9	6.0	6.0	3.2	6.0	3.2				<2
						3.3	-	-	30.1		7.8	7.8	25.9	25.9	89.9	6.0	3.2								

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	09:11	8.0	Surface	1.0	0.5	219	<u>27.7</u>	27.7	7.9	7.9	<u>27.2</u>	27.2	61.5	59.7	4.1	3.9	2.4	3.3	2	2	815617	804265
						1.0	0.5	214	<u>27.6</u>	7.9	7.9	<u>27.3</u>	57.8	3.9	3.9	2.5	2							
					Middle	4.0	0.4	190	<u>27.5</u>	27.5	7.9	7.9	<u>27.4</u>	27.4	56.2	56.0	3.8	3.9	3.3	2				
						4.0	0.5	194	<u>27.5</u>	7.9	7.9	<u>27.4</u>	55.7	3.8	3.4	2								
					Bottom	7.0	0.5	197	<u>27.5</u>	27.5	7.9	7.9	<u>27.5</u>	27.4	56.9	57.6	3.8	3.9	4.1	3				
						7.0	0.5	189	<u>27.5</u>	7.9	7.9	<u>27.4</u>	58.3	3.9	3.9	4.1	3							
C2	Sunny	Moderate	10:16	9.8	Surface	1.0	0.5	165	<u>28.1</u>	28.1	7.9	7.9	25.6	25.6	57.2	57.0	3.8	3.7	0.5	1.2	2	3	825700	806937
						1.0	0.6	168	<u>28.0</u>	28.1	7.9	7.9	25.7	25.6	56.8	57.0	3.8	3.7	0.5	3				
					Middle	4.9	0.5	179	<u>27.9</u>	27.9	7.9	7.9	26.0	26.0	54.3	53.5	3.7	3.5	1.1	3				
						4.9	0.5	185	<u>27.9</u>	27.9	7.9	7.9	26.1	26.0	52.7	53.5	3.5	3.2	1.1	4				
					Bottom	8.8	0.5	165	<u>27.8</u>	27.8	7.9	7.9	26.5	26.5	47.2	47.4	3.2	3.2	2.1	3				
						8.8	0.5	158	<u>27.8</u>	27.8	7.9	7.9	26.5	26.5	47.5	47.4	3.2	3.2	2.1	4				
C3	Sunny	Moderate	09:01	10.8	Surface	1.0	0.2	44	<u>28.9</u>	28.9	7.9	7.9	25.7	25.7	79.2	79.0	5.3	5.0	1.1	1.6	3	3	822112	817786
						1.0	0.2	47	<u>28.9</u>	28.9	7.9	7.9	25.7	25.7	78.8	79.0	5.2	5.0	1.1	4				
					Middle	5.4	0.1	51	<u>28.8</u>	28.8	7.8	7.8	26.1	26.1	72.4	72.6	4.8	4.8	1.7	3				
						5.4	0.1	54	<u>28.8</u>	28.8	7.8	7.8	26.1	26.1	72.8	72.6	4.8	4.6	1.8	3				
					Bottom	9.8	0.1	24	<u>28.8</u>	28.8	7.8	7.8	25.9	25.9	68.2	68.5	4.5	4.6	2.0	<2				
						9.8	0.1	23	<u>28.8</u>	28.8	7.8	7.8	25.8	25.9	68.7	68.5	4.6	4.6	1.9	<2				
IM1	Sunny	Moderate	09:23	6.0	Surface	1.0	0.3	190	<u>27.9</u>	27.9	8.0	8.0	27.0	27.0	77.1	77.1	5.1	5.1	5.4	6.4	4	4	818347	806461
						1.0	0.3	190	<u>27.9</u>	27.9	8.0	8.0	27.0	27.0	77.1	77.1	5.1	5.1	5.5	4				
					Middle	3.0	0.3	176	<u>27.7</u>	27.7	7.9	7.9	27.2	27.3	76.5	76.5	5.0	5.1	6.7	5				
						3.0	0.4	183	<u>27.7</u>	27.7	7.9	7.9	27.3	27.3	76.5	76.5	5.0	5.0	6.8	4				
					Bottom	5.0	0.3	198	<u>27.7</u>	27.7	7.9	7.9	27.2	27.2	59.6	59.6	3.9	3.9	7.0	5				
						5.0	0.3	192	<u>27.7</u>	27.7	7.9	7.9	27.1	27.2	59.6	59.6	3.9	3.9	7.0	4				
IM2	Sunny	Moderate	09:29	7.6	Surface	1.0	0.5	199	<u>27.9</u>	27.9	8.0	8.0	27.2	27.3	79.4	79.4	5.2	5.1	3.7	4.3	3	3	819206	806250
						1.0	0.5	201	<u>27.8</u>	27.9	8.0	8.0	27.4	27.3	79.3	79.4	5.2	5.1	3.9	4				
					Middle	3.8	0.4	222	<u>27.7</u>	27.7	8.0	8.0	27.7	27.8	74.2	74.2	4.9	4.9	4.4	3				
						3.8	0.4	216	<u>27.7</u>	27.7	8.0	8.0	27.8	27.8	74.2	74.2	4.9	4.9	4.5	3				
					Bottom	6.6	0.4	229	<u>27.7</u>	27.7	7.9	7.9	28.0	27.9	60.1	60.2	4.0	4.0	4.8	3				
						6.6	0.4	226	<u>27.7</u>	27.7	7.9	7.9	27.9	27.9	60.2	60.2	4.0	4.0	4.8	2				
IM7	Sunny	Moderate	09:50	8.2	Surface	1.0	0.4	224	<u>28.2</u>	28.2	7.9	7.9	25.6	25.6	81.5	81.5	5.4	4.8	1.1	1.6	4	4	821357	806847
						1.0	0.3	217	<u>28.2</u>	28.2	7.9	7.9	25.6	25.6	81.5	81.5	5.4	4.8	1.1	4				
					Middle	4.1	0.3	199	<u>28.2</u>	28.2	7.9	7.9	25.6	25.6	61.7	61.7	4.1	4.1	1.4	4				
						4.1	0.4	204	<u>28.2</u>	28.2	7.9	7.9	25.6	25.6	61.7	61.7	4.1	4.1	1.4	3				
					Bottom	7.2	0.4	237	<u>28.2</u>	28.2	7.9	7.9	25.5	25.5	57.5	57.5	3.8	3.8	2.2	3				
						7.2	0.4	237	<u>28.2</u>	28.2	7.9	7.9	25.4	25.5	57.5	57.5	3.8	3.8	2.2	3				

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA						
																									Value	Average	Value	Average
IM10	Sunny	Moderate	10:16	9.6	Surface	1.0	0.3	145	29.1	29.1	7.9	7.9	23.4	23.4	71.3	71.3	4.8	4.6	4.1	5.3	3	3	822229	809818				
						1.0	0.3	142	29.1	7.9	7.9	23.4	23.4	71.2	71.2	4.8	4.6	4.0	5.3	3	3							
					Middle	4.8	0.4	151	29.1	29.2	7.9	7.9	26.0	26.0	67.3	67.7	4.4	4.7	5.4	5.4	3	3			3	3		
						4.8	0.4	154	29.2	29.5	7.9	7.9	26.0	26.0	68.0	67.7	4.5	4.7	5.4	5.4	3	3			3	3		
					Bottom	8.6	0.4	144	29.5	29.5	7.9	7.9	25.9	25.9	66.3	70.5	4.4	4.7	6.4	6.5	2	3			3	3		
						8.6	0.3	141	29.5	29.5	7.9	7.9	25.9	25.9	74.7	70.5	4.9	4.7	6.5	6.5	3	3			3	3		
IM11	Sunny	Moderate	10:09	9.0	Surface	1.0	0.3	118	29.2	29.2	7.9	7.9	25.3	25.4	78.2	76.7	5.2	4.6	4.0	5.2	6	6	821516	810563				
						1.0	0.3	118	29.2	7.9	7.9	25.4	25.4	75.2	76.7	5.0	4.6	4.1	5.2	7	6							
					Middle	4.5	0.3	107	29.2	29.3	7.9	7.9	25.6	25.6	61.1	61.4	4.0	4.4	5.4	5.4	5	6			6	6		
						4.5	0.3	106	29.3	29.5	7.9	7.9	25.6	25.6	61.6	61.4	4.1	4.4	5.4	5.4	6	6			6	6		
					Bottom	8.0	0.3	106	29.5	29.5	7.9	7.9	25.5	25.5	65.5	67.2	4.3	4.4	6.1	6.0	4	5			5	5		
						8.0	0.3	111	29.5	29.5	7.9	7.9	25.5	25.5	68.9	67.2	4.5	4.4	6.0	6.0	5	5			5	5		
IM12	Sunny	Moderate	10:00	8.6	Surface	1.0	0.4	105	29.4	29.4	7.9	7.9	24.6	24.6	94.1	92.3	6.2	5.5	1.8	2.6	4	5	821144	811508				
						1.0	0.4	107	29.4	29.4	7.9	7.9	24.7	24.6	90.5	92.3	6.0	5.5	1.8	2.6	6	5						
					Middle	4.3	0.3	98	29.4	29.4	7.9	7.9	25.0	25.1	74.6	73.2	4.9	5.4	2.7	2.7	5	5			5	5		
						4.3	0.3	98	29.4	29.4	7.9	7.9	25.2	25.1	71.7	73.2	4.7	5.4	2.7	2.7	5	5			5	5		
					Bottom	7.6	0.4	91	29.5	29.5	7.9	7.9	25.1	25.1	79.6	81.4	5.3	5.4	3.3	3.3	4	4			4	4		
						7.6	0.4	87	29.5	29.5	7.9	7.9	25.0	25.1	83.1	81.4	5.5	5.4	3.3	3.3	4	4			4	4		
SR1A	Sunny	Moderate	09:38	3.8	Surface	1.0	-	124	29.2	29.2	7.9	7.9	24.4	24.5	75.9	75.4	5.1	5.1	1.8	2.2	6	5	819972	812659				
						1.0	0.0	130	29.2	29.2	7.9	7.9	24.5	24.5	74.9	75.4	5.0	5.1	1.9	2.2	5	5						
					Middle	1.9	0.0	116	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
						1.9	0.1	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	5	5
					Bottom	2.8	-	111	29.1	29.1	7.9	7.9	24.8	24.7	75.8	76.8	5.0	5.1	2.5	2.5	4	4			4	4	5	5
						2.8	0.0	115	29.0	29.1	7.9	7.9	24.6	24.7	77.8	76.8	5.2	5.1	2.5	2.5	4	4			4	4	5	5
SR2	Sunny	Moderate	09:25	5.4	Surface	1.0	0.5	25	29.1	29.1	7.9	7.9	24.9	25.0	81.4	78.8	5.4	5.3	2.9	3.1	4	4	821483	814162				
						1.0	0.5	23	29.1	29.1	7.9	7.9	25.1	25.0	76.2	78.8	5.1	5.3	2.9	3.1	5	4						
					Middle	-	0.5	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	0.5	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	4.4	0.5	40	28.9	28.9	7.9	7.9	25.7	25.5	70.6	72.1	4.7	4.8	3.3	3.3	4	4			4	4	4	4
						4.4	0.5	35	28.9	28.9	7.9	7.9	25.4	25.5	73.5	72.1	4.9	4.8	3.3	3.3	4	4			4	4	4	4
SR3	Sunny	Moderate	09:57	7.4	Surface	1.0	0.5	174	28.2	28.2	7.9	7.9	25.4	25.4	77.5	77.6	5.1	5.0	0.9	1.5	4	4	822127	807568				
						1.0	0.5	167	28.2	28.2	7.9	7.9	25.4	25.4	77.7	77.6	5.1	5.0	1.0	1.5	3	4						
					Middle	3.7	0.6	170	28.1	28.1	7.9	7.9	25.4	25.4	74.2	74.3	4.9	4.8	1.2	1.2	4	4			4	4		
						3.7	0.6	170	28.1	28.1	7.9	7.9	25.4	25.4	74.3	74.3	4.9	4.8	1.2	1.2	3	4			4	4		
					Bottom	6.4	0.6	156	28.2	28.2	7.9	7.9	25.3	25.3	72.5	72.5	4.8	4.8	2.3	2.3	4	4			4	4		
						6.4	0.6	149	28.2	28.2	7.9	7.9	25.3	25.3	72.5	72.5	4.8	4.8	2.3	2.3	4	4			4	4		
SR4A	Sunny	Moderate	08:55	10.0	Surface	1.0	0.0	331	28.2	28.2	8.0	8.0	25.6	25.6	74.6	74.6	4.9	4.7	4.2	5.2	2	3	817198	807809				
						1.0	0.0	332	28.2	28.2	8.0	8.0	25.7	25.6	74.6	74.6	4.9	4.7	4.4	5.2	3	3						
					Middle	5.0	0.0	317	28.1	28.1	8.0	8.0	25.9	25.9	66.5	66.5	4.4	3.9	5.3	5.3	3	4			3	3		
						5.0	0.1	309	28.1	28.1	8.0	8.0	25.9	25.9	66.5	66.5	4.4	3.9	5.3	5.3	4	4			3	3		
					Bottom	9.0	0.1	300	28.1	28.1	8.0	8.0	26.1	26.1	58.1	58.1	3.9	3.9	6.0	6.0	3	4			3	4		
						9.0	0.1	296	28.1	28.1	8.0	8.0	26.1	26.1	58.1	58.1	3.9	3.9	6.0	6.0	4	4			3	4		
SR8	Sunny	Moderate	09:55	5.4	Surface	1.0	-	-	29.6	29.6	7.9	7.9	23.8	23.8	90.0	90.3	6.0	6.0	2.6	2.8	4	4	820370	811603				
						1.0	-	-	29.5	29.6	7.9	7.9	23.7	23.8	90.5	90.3	6.0	6.0	2.5	2.8	4	4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	4	4
					Bottom	4.4	-	-	29.4	29.4	7.9	7.9	23.5	23.5	83.6	83.1	5.6	5.6	3.0	3.0	4	4			4	4		
						4.4	-	-	29.4	29.4	7.9	7.9	23.6	23.5	82.5	83.1	5.5	5.6	3.0	3.0	3	4			3	4		

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	20:30	8.4	Surface	1.0	0.1	210	<u>27.8</u>	27.8	8.0	8.0	<u>26.6</u>	26.7	<u>64.7</u>	64.3	4.3	4.0	2.0	3.5	3	3	815642	804248
						1.0	0.1	212	<u>27.8</u>		8.0	8.0	<u>26.7</u>	27.0	<u>63.8</u>	63.8	4.3		2.1		3			
					Middle	4.2	0.1	207	<u>27.7</u>	27.7	8.0	8.0	<u>27.0</u>	27.0	<u>58.0</u>	55.2	3.9	3.8	3.4	4				
						4.2	0.1	211	<u>27.6</u>		8.0	8.0	<u>27.1</u>	27.0	<u>52.4</u>	57.3	3.5		3.4	3				
					Bottom	7.4	0.1	225	<u>27.7</u>	27.8	8.0	8.0	<u>28.9</u>	28.8	<u>55.2</u>	57.3	3.7	3.8	5.0	4				
						7.4	0.1	217	<u>27.8</u>		8.0	8.0	<u>28.7</u>	28.8	<u>59.4</u>	57.3	3.9		5.0	3				
C2	Fine	Moderate	19:17	11.0	Surface	1.0	0.0	194	<u>28.0</u>	28.0	7.9	7.9	<u>25.8</u>	25.8	<u>57.2</u>	57.1	3.9	3.5	1.0	1.4	3	4	825672	806955
						1.0	0.0	188	<u>28.0</u>		7.9	7.9	<u>25.9</u>	26.2	<u>57.0</u>	48.1	3.8		1.0		4			
					Middle	5.5	0.1	177	<u>27.9</u>	27.9	7.9	7.9	<u>26.2</u>	26.2	<u>48.1</u>	48.1	3.2	3.4	1.4	4				
						5.5	0.1	182	<u>27.9</u>		7.9	7.9	<u>26.2</u>	26.1	<u>48.0</u>	49.6	3.2		1.4	4				
					Bottom	10.0	0.1	175	<u>27.9</u>	27.9	7.9	7.9	<u>26.1</u>	26.1	<u>49.1</u>	49.6	3.3	3.4	1.6	4				
						10.0	0.0	176	<u>27.9</u>		7.9	7.9	<u>26.0</u>	26.1	<u>50.0</u>	49.6	3.4		1.6	5				
C3	Fine	Moderate	20:37	8.2	Surface	1.0	0.0	23	<u>29.1</u>	29.1	7.9	7.9	<u>25.9</u>	26.0	<u>64.5</u>	64.4	7.5	6.7	3.6	4.5	4	4	822107	817814
						1.0	0.1	28	<u>29.0</u>		7.9	7.9	<u>26.0</u>	26.0	<u>64.3</u>	64.4	7.3		3.6		4			
					Middle	4.1	0.0	5	<u>28.9</u>	28.9	7.9	7.9	<u>26.2</u>	26.2	<u>63.3</u>	63.2	5.9	6.6	4.3	4				
						4.1	0.0	0	<u>28.8</u>		7.9	7.9	<u>26.3</u>	26.5	<u>63.1</u>	63.2	5.9		4.4	4				
					Bottom	7.2	0.0	39	<u>28.7</u>	28.7	7.9	7.9	<u>26.6</u>	26.5	<u>63.3</u>	63.2	6.4	6.6	5.7	4				
						7.2	0.0	34	<u>28.7</u>		7.9	7.9	<u>26.5</u>	26.5	<u>63.1</u>	63.2	6.8		5.7	5				
IM1	Fine	Moderate	20:21	6.8	Surface	1.0	0.1	191	<u>28.0</u>	28.0	8.0	8.0	<u>27.0</u>	27.0	<u>80.4</u>	80.4	5.3	5.2	4.4	5.5	3	3	818335	806473
						1.0	0.1	189	<u>27.9</u>		8.0	8.0	<u>27.1</u>	27.0	<u>80.4</u>	80.4	5.3		4.3		3			
					Middle	3.4	0.1	193	<u>27.9</u>	27.9	8.0	8.0	<u>27.2</u>	27.3	<u>75.8</u>	75.8	5.0	4.8	5.0	4				
						3.4	0.1	191	<u>27.8</u>		8.0	8.0	<u>27.3</u>	27.4	<u>75.8</u>	75.8	5.0		5.0	3				
					Bottom	5.8	0.1	184	<u>27.8</u>	27.8	8.0	8.0	<u>27.4</u>	27.4	<u>73.6</u>	73.6	4.8	4.8	7.0	4				
						5.8	0.1	179	<u>27.8</u>		8.0	8.0	<u>27.4</u>	27.1	<u>73.6</u>	68.0	4.8		7.0	3				
IM2	Fine	Moderate	20:14	6.8	Surface	1.0	0.1	209	<u>28.1</u>	28.1	8.0	8.0	<u>26.9</u>	27.0	<u>75.2</u>	75.0	5.0	4.7	1.1	1.9	3	4	819205	806230
						1.0	0.2	204	<u>28.1</u>		8.0	8.0	<u>27.0</u>	27.0	<u>74.7</u>	75.0	5.0		1.1		4			
					Middle	3.4	0.1	179	<u>27.9</u>	27.9	8.0	8.0	<u>27.2</u>	27.2	<u>67.3</u>	64.7	4.5	4.5	2.0	4				
						3.4	0.1	173	<u>27.9</u>		8.0	8.0	<u>27.3</u>	27.1	<u>62.0</u>	68.0	4.1		2.0	2				
					Bottom	5.8	0.1	217	<u>27.9</u>	28.0	8.0	8.0	<u>27.2</u>	27.1	<u>66.5</u>	68.0	4.4	4.5	2.7	4				
						5.8	0.1	212	<u>28.0</u>		8.0	8.0	<u>27.0</u>	26.9	<u>69.5</u>	78.1	4.6		2.6	4				
IM7	Fine	Moderate	19:53	9.2	Surface	1.0	0.1	144	<u>28.2</u>	28.2	7.9	7.9	<u>25.8</u>	25.9	<u>79.6</u>	79.6	5.3	5.3	2.5	3.3	4	4	821350	806851
						1.0	0.0	151	<u>28.1</u>		7.9	7.9	<u>26.0</u>	26.5	<u>79.6</u>	78.7	5.3		2.6		5			
					Middle	4.6	0.1	139	<u>28.0</u>	28.0	7.9	7.9	<u>26.5</u>	26.5	<u>78.7</u>	78.7	5.2	5.1	3.1	4				
						4.6	0.1	146	<u>28.0</u>		7.9	7.9	<u>26.5</u>	26.9	<u>78.7</u>	78.1	5.2		3.1	4				
					Bottom	8.2	0.1	142	<u>28.0</u>	28.0	7.9	7.9	<u>27.0</u>	26.9	<u>78.1</u>	78.1	5.1	5.1	4.1	4				
						8.2	0.1	134	<u>28.0</u>		7.9	7.9	<u>26.8</u>	26.9	<u>78.1</u>	78.1	5.1		4.2	3				

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Fine	Moderate	19:16	9.6	Surface	1.0	0.1	43	30.2	7.9	7.9	23.7	23.7	85.4	84.4	10.8	10.0	2.1	3.2	4	4	822220	809838			
						1.0	0.1	35	30.1	7.9	7.9	23.8	23.8	83.4	83.4	10.7	10.0	2.1	3.2	3	4					
					Middle	4.8	0.1	33	29.9	7.9	7.9	24.0	24.1	61.4	61.1	9.2	9.5	3.2	4.4	4	4					
						4.8	0.0	29	29.9	7.9	7.9	24.1	24.1	60.8	60.8	9.2	9.5	3.3	4.4	3	4					
					Bottom	8.6	0.0	73	29.8	7.9	7.9	24.3	24.2	63.4	64.3	9.4	9.5	4.4	4.3	4	4					
						8.6	0.0	74	29.8	7.9	7.9	24.2	24.2	65.2	64.3	9.5	9.5	4.3	4.3	4	4					
IM11	Fine	Moderate	19:32	8.0	Surface	1.0	0.2	74	30.2	7.9	7.9	24.0	24.0	82.7	82.2	10.7	10.3	3.8	4.4	3	3	821505	810533			
						1.0	0.2	71	30.2	7.9	7.9	24.0	24.0	81.7	82.2	10.6	10.3	3.8	4.4	3	3					
					Middle	4.0	0.1	76	30.1	7.9	7.9	24.0	24.0	73.7	73.7	10.0	10.1	4.3	5.1	2	3					
						4.0	0.1	71	30.1	7.9	7.9	24.0	24.0	73.6	73.6	10.0	10.1	4.3	5.0	3	3					
					Bottom	7.0	0.1	52	30.1	7.9	7.9	24.0	24.0	74.3	74.4	10.1	10.1	5.1	5.0	3	3					
						7.0	0.2	44	30.1	7.9	7.9	24.0	24.0	74.5	74.4	10.1	10.1	5.0	5.0	3	3					
IM12	Fine	Moderate	19:38	7.6	Surface	1.0	0.1	106	30.1	7.9	7.9	24.4	24.4	63.8	63.7	12.2	10.7	6.1	7.4	3	3	821165	811508			
						1.0	0.1	98	30.0	7.9	7.9	24.4	24.4	63.5	63.6	11.6	10.7	6.2	7.9	4	3					
					Middle	3.8	0.1	81	29.6	7.9	7.9	24.8	24.8	63.6	63.6	9.4	9.3	7.9	8.1	3	3					
						3.8	0.1	87	29.6	7.9	7.9	24.8	24.8	63.6	63.6	9.4	9.3	7.9	8.0	3	2					
					Bottom	6.6	0.2	74	29.6	7.9	7.9	25.2	25.0	59.0	62.4	9.1	9.1	8.1	8.0	3	2					
						6.6	0.2	79	29.8	7.9	7.9	24.9	25.0	65.8	62.4	9.5	9.1	8.0	8.0	2	2					
SR1A	Fine	Moderate	20:00	5.0	Surface	1.0	0.0	147	30.2	7.9	7.9	24.5	24.5	84.0	80.3	9.7	9.5	7.4	7.8	2	3	819977	812658			
						1.0	0.0	147	30.2	7.9	7.9	24.6	24.5	76.6	80.3	9.2	9.5	7.5	7.8	4	3					
					Middle	2.5	0.1	159	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						2.5	0.1	156	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	4.0	0.0	172	30.2	7.9	7.9	24.6	24.6	74.5	73.8	9.1	9.1	8.1	8.1	3	3					
						4.0	0.1	171	30.1	7.9	7.9	24.5	24.6	73.0	73.8	9.0	9.1	8.1	8.1	3	3					
SR2	Fine	Moderate	20:14	5.0	Surface	1.0	0.2	20	29.7	7.9	7.9	25.2	25.2	68.4	66.6	8.7	8.6	5.3	5.9	4	4	821442	814169			
						1.0	0.2	21	29.7	7.9	7.9	25.2	25.2	64.8	66.6	8.5	8.6	5.2	5.9	5	4					
					Middle	-	0.2	34	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						-	0.2	35	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	4.0	0.2	54	29.6	7.9	7.9	25.3	25.3	68.5	68.6	7.7	7.7	6.5	6.6	4	3					
						4.0	0.2	53	29.5	7.9	7.9	25.3	25.3	68.7	68.6	7.7	7.7	6.6	6.6	3	3					
SR3	Fine	Moderate	19:47	8.2	Surface	1.0	0.1	165	28.2	7.9	7.9	25.5	25.5	78.4	78.4	5.1	5.0	1.1	1.2	2	3	822161	807579			
						1.0	0.1	165	28.2	7.9	7.9	25.5	25.5	78.4	78.4	5.1	5.0	1.1	1.2	2	3					
					Middle	4.1	0.1	140	28.2	7.9	7.9	25.5	25.5	73.8	73.8	4.8	4.8	1.1	1.3	2	4					
						4.1	0.1	141	28.2	7.9	7.9	25.5	25.4	73.8	73.8	4.8	4.8	1.1	1.3	2	3					
					Bottom	7.2	0.1	164	28.2	7.9	7.9	25.4	25.4	72.8	72.8	4.8	4.8	1.3	1.3	4	3					
						7.2	0.1	164	28.2	7.9	7.9	25.4	25.4	72.8	72.8	4.8	4.8	1.3	1.3	3	3					
SR4A	Fine	Moderate	20:41	9.0	Surface	1.0	0.0	42	28.3	8.0	8.0	26.7	26.7	73.5	73.5	4.9	4.9	2.3	3.5	3	2	817199	807810			
						1.0	0.0	38	28.3	8.0	8.0	26.7	26.7	73.5	73.5	4.9	4.9	2.2	3.4	2	2					
					Middle	4.5	0.0	33	28.3	8.0	8.0	26.7	26.7	73.8	73.9	4.9	5.0	3.5	4.7	2	2					
						4.5	0.1	40	28.3	8.0	8.0	26.7	26.6	74.0	75.4	4.9	5.0	3.4	4.8	2	2					
					Bottom	8.0	0.0	62	28.3	8.0	8.0	26.6	26.6	75.2	75.4	5.0	5.0	4.7	4.8	2	2					
						8.0	0.1	60	28.3	8.0	8.0	26.6	26.6	75.5	75.4	5.0	5.0	4.8	4.8	2	2					
SR8	Fine	Moderate	19:44	4.6	Surface	1.0	-	-	30.0	7.9	7.9	24.2	24.3	80.1	78.1	10.5	10.4	4.6	4.8	4	4	820385	811635			
						1.0	-	-	30.0	7.9	7.9	24.3	24.3	76.0	78.1	10.2	10.4	4.5	4.8	5	4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-
					Bottom	3.6	-	-	29.9	7.9	7.9	24.4	24.4	65.2	65.3	9.5	9.5	5.1	5.1	3	2					
						3.6	-	-	29.8	7.9	7.9	24.4	24.4	65.4	65.3	9.5	9.5	5.1	5.1	2	2					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
C1	Fine	Moderate	10:46	7.4	Surface	1.0	0.5	224	29.0	8.2	8.2	14.8	14.8	102.8	103.0	7.3	7.3	1.3	1.3	<2	2	815600	804256							
						1.0	0.5	217	29.0	8.2	8.2	14.8	14.8	103.1	103.0	7.3	7.3	1.4	1.4	<2	2									
					Middle	3.7	0.5	208	28.6	8.2	8.2	16.1	16.1	103.1	103.0	7.3	7.3	3.5	3.5	2	2			<2	2					
						3.7	0.5	201	28.6	8.2	8.2	16.1	16.1	102.8	103.0	7.3	7.3	3.4	3.4	2	2			<2	2					
					Bottom	6.4	0.5	217	27.5	8.0	8.0	21.7	23.2	75.3	75.3	5.2	5.2	4.9	4.9	2	2			<2	2					
						6.4	0.6	220	27.5	8.0	8.0	24.8	23.2	70.8	73.1	4.9	4.9	5.2	5.2	<2	2			<2	2					
					C2	Fine	Moderate	12:07	11.2	Surface	1.0	0.7	175	28.5	8.1	8.1	21.2	20.3	100.8	101.1	7.0			7.1	0.8	0.8	2	2	825662	806960
											1.0	0.7	173	28.5	8.1	8.1	19.5	20.3	101.4	101.1	7.1			7.1	0.8	0.8	<2	2		
Middle	5.6	0.6	166	26.7						7.9	7.9	28.0	28.0	58.4	58.5	4.0	4.0	3.3	3.3	2	2	<2	2							
	5.6	0.6	160	26.7						7.9	7.9	27.9	28.0	58.6	58.5	4.0	4.0	3.5	3.5	2	2	<2	2							
Bottom	10.2	0.7	182	26.1						7.9	7.9	29.5	29.5	51.4	51.4	3.5	3.5	9.8	9.8	2	2	<2	2							
	10.2	0.7	179	26.1						7.9	7.9	29.6	29.5	51.4	51.4	3.5	3.5	10.2	10.2	2	2	<2	2							
C3	Sunny	Moderate	10:49	10.2						Surface	1.0	0.2	61	24.7	7.9	7.9	19.3	19.3	114.1	114.1	8.5	8.5	1.1	1.1	2	2	822129	817819		
											1.0	0.3	59	24.7	7.9	7.9	19.3	19.3	114.0	114.1	8.5	8.5	1.1	1.1	<2	2				
					Middle	5.1	0.3	50	24.7	7.9	7.9	18.3	18.3	112.1	112.1	8.4	8.4	1.4	1.4	2	2	<2	2							
						5.1	0.3	53	24.7	7.9	7.9	18.3	18.3	112.1	112.1	8.4	8.4	1.4	1.4	2	2	<2	2							
					Bottom	9.2	0.2	49	23.6	7.8	7.8	18.2	18.2	87.3	87.4	6.7	6.7	2.2	2.2	2	2	<2	2							
						9.2	0.2	50	23.6	7.8	7.8	18.1	18.2	87.4	87.4	6.7	6.7	2.2	2.2	2	2	<2	2							
					IM1	Fine	Moderate	11:04	6.1	Surface	1.0	0.4	193	27.6	8.0	8.0	25.8	25.7	75.4	75.8	5.2	5.2	1.1	1.1	2	2			818368	806451
											1.0	0.4	196	27.6	8.0	8.0	25.6	25.7	76.1	75.8	5.2	5.2	1.1	1.1	2	2				
Middle	3.1	0.4	192	26.4						7.9	7.9	30.6	30.6	44.6	44.6	3.0	3.0	6.4	6.4	2	2	<2	2							
	3.1	0.3	191	26.4						7.9	7.9	30.6	30.6	44.6	44.6	3.0	3.0	6.1	6.1	2	2	<2	2							
Bottom	5.1	0.4	168	26.1						7.9	7.9	31.3	31.3	45.0	45.1	3.1	3.1	9.0	9.0	2	2	<2	2							
	5.1	0.3	162	26.1						7.9	7.9	31.3	31.3	45.1	45.1	3.1	3.1	9.2	9.2	2	2	<2	2							
IM2	Fine	Moderate	11:10	6.8						Surface	1.0	0.6	211	28.4	8.3	8.2	19.6	19.6	113.8	113.8	7.9	7.9	1.0	1.0	2	2	819172	806216		
											1.0	0.6	215	28.4	8.2	8.2	19.6	19.6	113.8	113.8	7.9	7.9	1.1	1.1	<2	2				
					Middle	3.4	0.5	192	26.9	7.9	7.9	28.8	28.8	46.0	46.0	3.1	3.1	4.8	4.8	2	2	<2	2							
						3.4	0.5	190	26.9	7.9	7.9	28.8	28.8	46.0	46.0	3.1	3.1	4.8	4.8	2	2	<2	2							
					Bottom	5.8	0.5	226	26.3	7.9	7.9	30.9	30.9	44.2	44.6	3.0	3.0	5.5	5.5	2	2	<2	2							
						5.8	0.5	230	26.3	7.9	7.9	30.9	30.9	44.9	44.6	3.1	3.1	5.7	5.7	2	2	<2	2							
					IM7	Fine	Moderate	11:37	7.6	Surface	1.0	0.3	218	28.8	8.2	8.2	19.2	19.2	108.3	108.2	7.5	7.5	0.7	0.7	2	2			821369	806854
											1.0	0.3	213	28.8	8.2	8.2	19.2	19.2	108.0	108.2	7.5	7.5	0.8	0.8	<2	2				
Middle	3.8	0.3	239	28.2						8.0	8.0	22.9	23.0	91.3	91.2	6.3	6.3	0.3	0.3	2	2	<2	2							
	3.8	0.3	232	28.2						8.0	8.0	23.1	23.0	91.0	91.2	6.2	6.2	0.3	0.3	2	2	<2	2							
Bottom	6.6	0.4	209	27.1						7.9	7.9	28.3	28.3	50.6	50.6	3.4	3.4	5.0	5.0	2	2	<2	2							
	6.6	0.4	213	27.1						7.9	7.9	28.4	28.3	50.5	50.6	3.4	3.4	5.2	5.2	2	2	<2	2							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	12:12	9.6	Surface	1.0	0.5	145	25.6	25.6	7.9	7.9	18.9	18.9	110.9	110.8	8.2	6.2	1.3	3.4	<2	2	822233	809830
						1.0	0.5	141	25.6		7.9	7.9	18.9	18.9	110.6	110.8	8.1		1.3					
					Middle	4.8	0.5	144	23.9	23.9	7.9	7.9	29.6	29.6	58.5	60.2	4.2	3.7	3.1	<2				
						4.8	0.5	143	23.9		7.9	7.9	29.6	29.6	61.8	60.2	4.4		3.1	<2				
					Bottom	8.6	0.5	125	23.5	23.5	7.9	7.9	30.6	30.6	51.3	51.3	3.7	3.7	5.6	<2				
						8.6	0.5	121	23.4		7.9	7.9	30.6	30.6	51.3	51.3	3.7		5.6	<2				
IM11	Sunny	Moderate	12:04	8.4	Surface	1.0	0.5	98	25.1	25.1	7.9	7.9	20.1	20.1	108.7	108.5	8.0	6.6	1.7	2.7	<2	2	821495	810566
						1.0	0.4	100	25.0		7.9	7.9	20.1	20.1	108.3	108.5	8.0		1.7					
					Middle	4.2	0.5	98	24.3	24.3	7.9	7.9	27.7	27.7	70.9	70.8	5.1	4.0	2.5	<2				
						4.2	0.6	96	24.3		7.9	7.9	27.7	27.7	70.7	70.8	5.1		2.5	<2				
					Bottom	7.4	0.5	128	23.9	23.9	7.9	7.9	29.2	29.2	56.5	56.5	4.0	4.0	4.0	<2				
						7.4	0.5	127	23.9		7.9	7.9	29.3	29.2	56.4	56.5	4.0		4.0	<2				
IM12	Sunny	Moderate	11:56	8.0	Surface	1.0	0.5	105	25.0	25.0	7.9	7.9	21.4	21.4	114.4	114.4	8.4	7.3	1.2	1.9	2	2	821163	811509
						1.0	0.6	105	25.0		7.9	7.9	21.4	21.4	114.4	114.4	8.4		1.2					
					Middle	4.0	0.5	99	24.5	24.5	7.9	7.9	26.5	26.5	87.1	87.3	6.2	3.5	1.5	2				
						4.0	0.6	104	24.5		7.9	7.9	26.5	26.5	87.5	87.3	6.3		1.5	<2				
					Bottom	7.0	0.5	115	23.7	23.7	7.9	7.9	29.8	29.8	48.9	48.9	3.5	3.5	3.0	<2				
						7.0	0.5	111	23.7		7.9	7.9	29.9	29.8	48.8	48.9	3.5		3.0	<2				
SR1A	Sunny	Moderate	11:40	4.6	Surface	1.0	0.0	120	24.8	24.8	7.9	7.9	23.2	23.2	112.5	112.3	8.2	8.2	1.2	1.6	2	2	819975	812664
						1.0	0.0	115	24.8		7.9	7.9	23.2	23.2	112.0	112.3	8.1		1.2					
					Middle	2.3	0.0	136	-	-	-	-	-	-	-	-	-	6.8	-	-				
						2.3	0.1	143	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.6	0.0	115	24.6	24.6	7.9	7.9	26.1	26.0	94.2	94.3	6.8	6.8	2.0	<2				
						3.6	0.1	109	24.6		7.9	7.9	26.0	26.0	94.3	94.3	6.8		2.0	<2				
SR2	Sunny	Moderate	11:12	5.8	Surface	1.0	0.6	46	25.0	25.0	7.9	7.9	23.0	23.0	111.8	111.8	8.1	8.1	1.8	1.9	2	2	821448	814171
						1.0	0.6	45	25.0		7.9	7.9	23.0	23.0	111.8	111.8	8.1		1.8					
					Middle	-	0.5	45	-	-	-	-	-	-	-	-	-	6.6	-	-				
						-	0.5	50	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.8	0.6	58	24.4	24.4	7.9	7.9	27.2	27.2	91.5	91.6	6.6	6.6	2.0	<2				
						4.8	0.5	50	24.4		7.9	7.9	27.2	27.2	91.6	91.6	6.6		2.0	<2				
SR3	Fine	Moderate	11:45	8.0	Surface	1.0	0.7	161	29.2	29.2	8.2	8.2	18.0	18.0	112.5	112.5	7.8	6.9	0.7	1.8	<2	<2	822137	807554
						1.0	0.7	160	29.2		8.2	8.2	18.0	18.0	112.5	112.5	7.8		0.7					
					Middle	4.0	0.8	145	28.1	28.1	8.0	8.0	22.5	22.5	87.3	87.7	6.0	3.7	0.5	<2				
						4.0	0.8	142	28.1		8.0	8.0	22.4	22.5	88.0	87.7	6.1		0.5	<2				
					Bottom	7.0	0.7	148	27.2	27.3	7.9	7.9	27.4	27.4	53.8	53.9	3.7	3.7	4.6	<2				
						7.0	0.7	152	27.3		7.9	7.9	27.3	27.4	54.0	53.9	3.7		4.2	<2				
SR4A	Fine	Moderate	10:24	8.5	Surface	1.0	0.0	9	28.6	28.6	8.2	8.2	18.9	18.9	106.3	106.7	7.5	4.9	1.0	1.6	<2	<2	817175	807786
						1.0	0.0	8	28.6		8.2	8.2	18.9	18.9	106.3	106.7	7.4		0.9					
					Middle	4.3	0.0	5	26.7	26.7	7.8	7.8	29.4	29.4	33.1	33.2	2.3	2.4	2.1	<2				
						4.3	0.0	12	26.7		7.8	7.8	29.4	29.4	33.3	33.2	2.3		1.9	<2				
					Bottom	7.5	0.0	13	26.7	26.7	7.8	7.8	29.6	29.6	35.1	35.2	2.4	2.4	2.0	<2				
						7.5	0.0	19	26.7		7.8	7.8	29.6	29.6	35.3	35.2	2.4		2.0	<2				
SR8	Sunny	Moderate	11:50	5.0	Surface	1.0	-	-	25.1	25.1	7.9	7.9	24.0	24.0	118.2	118.2	8.5	8.5	1.3	1.8	2	3	820396	811616
						1.0	-	-	25.1		7.9	7.9	24.0	24.0	118.1	118.2	8.5		1.3					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	7.0	-	-				
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	-	-	24.7	24.7	7.9	7.9	25.6	25.6	96.7	96.7	7.0	7.0	2.3	3				
						4.0	-	-	24.7		7.9	7.9	25.7	25.6	96.7	96.7	6.9		2.3	3				

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									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Cloudy	Moderate	22:56	8.5	Surface	1.0	0.1	201	29.1	29.1	8.2	8.2	17.0	17.0	108.9	108.7	7.6	5.4	0.9	4.1	3	3	815616	804249				
						1.0	0.1	196	29.1		8.2	8.2	17.0	17.0	108.5	108.7	7.6		0.9		3							
					Middle	4.3	0.1	188	26.8	26.9	7.9	7.9	29.0	28.8	45.3	47.2	3.1	2.9	3.3	2.9	8.2				2.9	3	2.9	3
						4.3	0.1	184	26.9		7.9	7.9	28.7	28.8	49.0	47.2	3.3		3.1		3							
					Bottom	7.5	0.1	194	26.5	26.5	7.8	7.8	30.2	30.2	42.6	42.8	2.9	3.6	8.2	3.6	8.2				3.6	3	3.6	3
						7.5	0.0	197	26.5		7.8	7.8	30.2	30.2	43.0	42.8	2.9		2.9		8.2					3		
C2	Cloudy	Moderate	21:22	11.6	Surface	1.0	0.1	321	28.8	28.8	8.2	8.2	16.7	16.9	110.8	110.2	7.8	5.9	0.9	4.3	<2	2	825681	806924				
						1.0	0.1	320	28.7		8.2	8.2	17.1	16.9	109.6	110.2	7.7		0.9		2							
					Middle	5.8	0.1	325	26.7	26.7	7.9	7.9	28.0	28.0	58.8	58.8	4.0	3.6	3.2	3.6	8.8				3.6	8.9	3.6	<2
						5.8	0.1	331	26.6		7.9	7.9	28.1	28.0	58.7	58.8	4.0		3.3		<2							
					Bottom	10.6	0.1	344	26.2	26.2	7.9	7.9	29.2	29.2	51.8	51.7	3.6	3.6	8.8	3.6	8.9				3.6	<2	3.6	<2
						10.6	0.1	342	26.1		7.9	7.9	29.3	29.2	51.5	51.7	3.5		3.5		8.9					<2		
C3	Fine	Moderate	22:26	8.0	Surface	1.0	0.1	80	24.6	24.6	7.9	7.9	23.9	23.9	117.6	117.4	8.5	7.4	1.8	3.6	<2	2	822085	817787				
						1.0	0.1	77	24.6		7.9	7.9	24.0	23.9	117.2	117.4	8.5		1.9		<2							
					Middle	4.0	0.1	99	23.8	23.8	7.9	7.9	28.2	28.1	87.4	87.3	6.3	4.9	3.7	4.9	5.3				4.9	5.2	4.9	<2
						4.0	0.1	102	23.7		7.9	7.9	28.1	28.1	87.2	87.3	6.3		3.6		<2							
					Bottom	7.0	0.1	92	22.8	22.8	7.9	7.9	31.3	31.3	67.6	67.6	4.9	3.6	5.3	3.6	5.2				3.6	<2	3.6	<2
						7.0	0.0	88	22.8		7.9	7.9	31.3	31.3	67.5	67.6	4.9		4.9		5.2					<2		
IM1	Cloudy	Moderate	22:35	6.4	Surface	1.0	0.0	112	29.3	29.3	8.3	8.3	15.8	15.8	116.9	116.7	8.2	6.3	1.0	2.6	4	3	818356	806439				
						1.0	0.1	113	29.3		8.3	8.3	15.8	15.8	116.4	116.7	8.2		1.0		3							
					Middle	3.2	0.0	97	27.1	27.1	8.0	8.0	27.6	27.7	63.7	63.5	4.3	3.3	1.9	3.3	4.9				3.3	4.9	3.3	4.9
						3.2	-	96	27.0		8.0	8.0	27.7	27.7	63.3	63.5	4.3		2.0		3							
					Bottom	5.4	0.0	130	26.2	26.2	7.9	7.9	31.1	31.1	43.8	44.2	3.0	3.3	4.9	3.3	4.9				3.3	<2	3.3	<2
						5.4	0.0	136	26.2		7.9	7.9	31.2	31.1	44.6	44.2	3.0		3.0		4.9					<2		
IM2	Cloudy	Moderate	22:29	6.7	Surface	1.0	0.0	55	28.9	28.9	8.3	8.3	16.8	16.8	119.6	119.6	8.4	6.4	1.1	2.3	3	2	819180	806220				
						1.0	0.1	48	28.9		8.3	8.3	16.9	16.8	119.6	119.6	8.4		1.1		2							
					Middle	3.4	0.1	60	27.1	27.1	8.0	8.0	27.8	27.8	62.6	62.8	4.3	3.3	1.6	3.3	4.3				3.3	4.3	3.3	4.3
						3.4	0.1	57	27.1		8.0	8.0	27.8	27.8	62.6	62.8	4.3		1.6		2							
					Bottom	5.7	0.0	48	26.5	26.5	7.9	7.9	30.5	30.5	48.1	48.2	3.3	3.3	4.1	3.3	4.3				3.3	4.3	3.3	<2
						5.7	0.1	43	26.4		7.9	7.9	30.6	30.5	48.3	48.2	3.3		3.3		4.3					<2		
IM7	Cloudy	Moderate	21:56	8.0	Surface	1.0	0.1	72	28.9	28.9	8.2	8.2	19.7	19.8	113.3	113.2	7.8	6.4	0.6	4.5	<2	<2	821370	806850				
						1.0	0.1	77	28.8		8.2	8.2	19.9	19.8	113.0	113.2	7.8		0.7		<2							
					Middle	4.0	0.1	78	27.7	27.7	8.0	8.0	25.3	25.2	72.7	72.7	5.0	3.3	1.2	3.3	11.7				3.3	11.7	3.3	<2
						4.0	0.0	82	27.7		8.0	8.0	25.2	25.2	72.6	72.7	5.0		1.2		<2							
					Bottom	7.0	0.1	60	27.5	27.5	7.9	7.9	26.3	26.3	65.7	65.9	4.5	3.3	11.7	3.3	11.8				3.3	<2	3.3	<2
						7.0	0.2	57	27.5		7.9	7.9	26.3	26.3	66.0	65.9	4.5		4.5		11.8					<2		

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA												
IM10	Fine	Moderate	21:21	9.4	Surface	1.0	0.1	8	25.5	25.5	7.9	7.9	19.1	19.1	110.7	110.6	8.1	6.2	1.4	3.0	<2	2	822225	809834								
						1.0	0.1	12	25.5		7.9	7.9	19.1	19.1	110.5	110.5	8.1		1.4													
					Middle	4.7	0.1	24	23.8	23.8	7.9	7.9	29.7	29.7	59.0	60.7	4.2	3.3														
						4.7	0.1	19	23.8		7.9	7.9	29.7	29.7	62.3	60.7	4.4	3.2														
					Bottom	8.4	0.1	23	22.9	22.9	7.9	7.9	31.6	31.6	55.9	56.4	4.0	4.3														
						8.4	0.0	25	22.9		7.9	7.9	31.6	31.6	56.8	56.4	4.1	4.4														
					IM11	Fine	Moderate	21:27	8.0	Surface	1.0	0.1	76	25.1	25.1	7.9	7.9	20.8	20.8	113.0	113.0				8.3	7.1	1.5	2.4	<2	2	821523	810527
											1.0	0.1	77	25.1		7.9	7.9	20.8	20.8	112.9	112.9				8.3		1.5					
Middle	4.0	0.1	70	24.4						24.4	7.9	7.9	26.9	26.9	81.1	81.2	5.8	2.5														
	4.0	0.1	77	24.4							7.9	7.9	26.9	26.9	81.2	81.2	5.8	2.5														
Bottom	7.0	0.1	72	24.1						24.1	7.9	7.9	28.5	28.6	66.6	66.5	4.8	3.2														
	7.0	0.1	66	24.1							7.9	7.9	28.6	28.6	66.4	66.5	4.7	3.2														
IM12	Fine	Moderate	21:32	6.6						Surface	1.0	0.1	89	24.9	24.9	7.9	7.9	22.1	22.0	108.8	108.8	8.0	7.5	1.4	1.9	2	2	821166	811516			
											1.0	0.0	90	24.9		7.9	7.9	22.0	22.0	108.7	108.7	8.0		1.4								
					Middle	3.3	0.0	83	24.7	24.7	7.9	7.9	24.7	24.7	96.9	96.9	7.0	1.5														
						3.3	0.1	82	24.7		7.9	7.9	24.7	24.7	96.8	96.9	7.0	1.5														
					Bottom	5.6	0.1	69	24.1	24.1	7.9	7.9	28.6	28.6	64.1	64.1	4.6	2.6														
						5.6	0.2	66	24.0		7.9	7.9	28.6	28.6	64.0	64.1	4.6	2.7														
					SR1A	Fine	Moderate	21:47	4.8	Surface	1.0	0.0	172	25.0	25.0	7.9	7.9	22.5	22.5	126.8	126.7	9.2	9.2	1.1	1.2	<2				2	819979	812666
											1.0	0.1	168	25.0		7.9	7.9	22.5	22.5	126.6	126.6	9.2		1.2								
Middle	2.4	0.0	173	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	2.4	0.0	179	-							-	-	-	-	-	-	-	-	-	-	-	-	-									
Bottom	3.8	0.0	145	24.9						25.0	7.9	7.9	24.4	24.4	114.9	115.1	8.3	1.3														
	3.8	0.1	146	25.0							7.9	7.9	24.4	24.4	115.3	115.3	8.3	1.3														
SR2	Fine	Moderate	22:07	4.4						Surface	1.0	0.2	24	25.2	25.2	7.9	7.9	19.8	19.8	122.6	122.6	9.0	9.0	1.3	1.7	3	3	821452	814149			
											1.0	0.2	27	25.2		7.9	7.9	19.8	19.8	122.6	122.6	9.0		1.3								
					Middle	-	0.2	34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						-	0.2	40	-		-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	3.4	0.2	21	25.0	25.0	7.9	7.9	22.8	22.8	119.1	118.7	8.7	2.1														
						3.4	0.2	27	25.0		7.9	7.9	22.8	22.8	118.2	118.7	8.6	2.1														
					SR3	Cloudy	Moderate	21:50	8.4	Surface	1.0	0.1	105	28.9	28.9	8.2	8.2	19.8	19.8	108.6	108.4	7.5	6.3	0.8	1.8	<2				2	822132	807559
											1.0	0.0	105	28.9		8.2	8.2	19.8	19.8	108.1	108.4	7.5		0.8								
Middle	4.2	0.0	98	27.7						27.7	8.0	8.0	25.0	25.0	74.9	74.8	5.1	1.0														
	4.2	0.0	98	27.7							8.0	8.0	25.1	25.0	74.7	74.8	5.1	1.0														
Bottom	7.4	0.0	102	27.5						27.5	7.9	7.9	26.3	26.3	62.9	63.0	4.3	3.5														
	7.4	0.0	109	27.5							7.9	7.9	26.3	26.3	63.1	63.0	4.3	3.4														
SR4A	Cloudy	Moderate	23:26	8.3						Surface	1.0	0.1	122	29.1	29.1	8.3	8.3	22.3	22.3	117.9	117.5	8.0	6.8	4.7	7.3	3	3	817192	807817			
											1.0	0.0	115	29.1		8.3	8.3	22.3	22.3	117.0	117.5	7.9		4.9								
					Middle	4.2	0.0	138	28.2	28.2	8.1	8.1	25.1	25.1	82.3	82.0	5.6	6.5														
						4.2	0.1	144	28.2		8.1	8.1	25.1	25.1	81.7	82.0	5.6	6.6														
					Bottom	7.3	0.1	132	27.4	27.4	7.9	7.9	28.1	28.1	48.0	48.1	3.3	10.2														
						7.3	0.0	130	27.4		7.9	7.9	28.1	28.1	48.2	48.1	3.3	11.0														
					SR8	Fine	Moderate	21:36	5.6	Surface	1.0	-	-	25.6	25.6	7.9	7.9	22.7	22.7	115.4	115.3	8.3	8.3	3.3	4.9	<2				<2	820399	811607
											1.0	-	-	25.6		7.9	7.9	22.7	22.7	115.1	115.3	8.3		3.3								
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-										
	-	-	-	-							-	-	-	-	-	-	-	-	-	-	-	-										
Bottom	4.6	-	-	24.5						24.5	7.9	7.9	26.5	26.5	84.1	84.2	6.0	6.6														
	4.6	-	-	24.5							7.9	7.9	26.5	26.5	84.3	84.3	6.0	6.5														

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Rainy	Moderate	13:15	8.7	Surface	1.0	0.7	206	27.5	27.5	7.9	7.9	28.7	28.7	67.6	67.5	4.6	4.3	9.3	10.9	6	5	815629	804246	
						1.0	0.7	212	27.5	7.9	7.9	28.7	28.7	67.4	67.5	4.5	4.3	9.6	10.9	7					
					Middle	4.4	0.6	196	27.1	27.1	7.9	7.9	31.4	31.4	59.5	59.9	4.0	3.9	11.5	10.9	5				6
						4.4	0.7	195	27.1	27.1	7.9	7.9	31.3	31.5	60.2	58.0	4.0	3.9	11.8	10.9	6				
					Bottom	7.7	0.6	204	27.1	27.1	7.9	7.9	31.5	31.5	58.0	58.1	3.9	3.9	11.5	10.9	3				3
						7.7	0.7	208	27.1	27.1	7.9	7.9	31.5	31.5	58.1	58.1	3.9	3.9	11.8	10.9	3				
C2	Cloudy	Moderate	11:11	11.6	Surface	1.0	0.5	164	29.0	29.0	8.0	8.0	24.5	24.5	83.6	83.6	5.6	5.3	1.9	4.4	4	3	825674	806939	
						1.0	0.5	163	29.0	29.0	8.0	8.0	24.6	24.5	83.6	83.6	5.6	5.3	1.9	4.4	3				
					Middle	5.8	0.5	182	28.2	28.2	7.9	7.9	26.6	26.6	73.0	73.0	4.9	4.0	3.8	4.4	3				3
						5.8	0.5	188	28.2	28.2	7.9	7.9	26.6	26.6	73.0	73.0	4.9	4.0	3.8	4.4	3				
					Bottom	10.6	0.5	189	26.6	26.6	7.9	7.9	30.6	30.6	58.9	59.0	4.0	4.0	7.2	4.0	3				2
						10.6	0.6	189	26.6	26.6	7.9	7.9	30.6	30.6	59.0	59.0	4.0	4.0	8.0	4.0	2				
C3	Sunny	Moderate	12:23	8.2	Surface	1.0	0.4	77	28.3	28.3	8.2	8.2	23.9	23.9	87.6	87.6	6.0	5.8	0.9	1.2	2	3	822109	817783	
						1.0	0.4	72	28.3	28.3	8.2	8.2	23.9	23.9	87.6	87.6	6.0	5.8	0.9	1.2	2				
					Middle	4.1	0.4	59	27.9	27.9	8.2	8.2	24.7	24.7	80.8	80.8	5.5	5.5	1.1	5.5	3				3
						4.1	0.5	57	27.9	27.9	8.2	8.2	24.7	24.7	80.7	80.8	5.5	5.5	1.1	5.5	2				
					Bottom	7.2	0.4	88	28.0	28.1	8.2	8.2	24.4	24.4	80.6	80.6	5.5	5.5	1.8	5.5	3				3
						7.2	0.4	93	28.1	28.1	8.2	8.2	24.4	24.4	80.6	80.6	5.5	5.5	1.7	5.5	3				
IM1	Rainy	Moderate	12:49	6.8	Surface	1.0	0.5	197	28.1	28.1	8.0	8.0	28.2	28.2	74.3	74.3	5.0	4.6	2.8	6.9	2	3	818336	806463	
						1.0	0.5	197	28.1	28.1	8.0	8.0	28.2	28.2	74.2	74.3	5.0	4.6	2.8	6.9	2				
					Middle	3.4	0.4	182	27.3	27.3	7.9	7.9	30.2	30.2	62.8	62.8	4.2	4.2	7.4	4.2	3				3
						3.4	0.4	179	27.3	27.3	7.9	7.9	30.2	30.2	62.8	62.8	4.2	4.2	7.4	4.2	3				
					Bottom	5.8	0.5	213	27.1	27.1	7.9	7.9	31.5	31.5	54.2	54.3	3.6	3.6	10.8	3.6	3				4
						5.8	0.5	206	27.1	27.1	7.9	7.9	31.5	31.5	54.3	54.3	3.6	3.6	10.4	3.6	4				
IM2	Rainy	Moderate	12:43	7.8	Surface	1.0	0.5	204	29.1	29.1	8.0	8.0	25.0	24.9	87.2	87.1	5.8	5.0	2.8	7.1	<2	2	819204	806241	
						1.0	0.6	197	29.1	29.1	8.0	8.0	24.9	24.9	86.9	87.1	5.8	5.0	3.1	7.1	<2				
					Middle	3.9	0.6	181	27.5	27.5	7.9	7.9	29.4	29.4	60.6	60.7	4.1	4.2	7.8	4.2	2				2
						3.9	0.6	175	27.5	27.5	7.9	7.9	29.4	29.4	60.7	60.7	4.1	4.2	7.8	4.2	2				
					Bottom	6.8	0.5	203	27.6	27.6	7.9	7.9	29.6	29.6	62.2	62.2	4.2	4.2	10.4	4.2	2				2
						6.8	0.5	210	27.6	27.6	7.9	7.9	29.6	29.6	62.2	62.2	4.2	4.2	10.4	4.2	2				
IM7	Rainy	Moderate	12:06	8.4	Surface	1.0	0.3	190	29.5	29.5	8.0	8.0	24.2	24.2	88.7	88.7	5.9	5.3	1.5	3.7	3	2	821360	806831	
						1.0	0.2	187	29.5	29.5	8.0	8.0	24.2	24.2	88.6	88.7	5.9	5.3	1.5	3.7	2				
					Middle	4.2	0.2	191	28.0	28.0	7.9	7.9	26.4	26.4	69.9	69.8	4.7	4.7	3.3	3.7	<2				2
						4.2	0.2	188	28.0	28.0	7.9	7.9	26.4	26.4	69.7	69.8	4.7	4.7	3.5	3.7	<2				
					Bottom	7.4	0.3	153	27.4	27.4	7.9	7.9	30.1	30.1	57.3	57.4	3.8	3.9	6.1	3.9	<2				2
						7.4	0.3	154	27.4	27.4	7.9	7.9	30.1	30.1	57.5	57.5	3.9	3.9	6.2	3.9	<2				

DA: Depth-Averaged

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Fine	Moderate	11:01	8.2	Surface	1.0	0.6	93	29.2	29.2	8.1	8.1	22.3	22.3	87.8	87.8	6.0	5.4	2.0	3.9	2	2	822234	809831						
						1.0	0.6	96	29.2		8.1	8.1	22.3	22.3	87.8	87.8	6.0		2.1		2									
					Middle	4.1	0.5	113	28.0	28.0	8.1	8.1	24.9	24.9	68.4	68.5	4.7	4.9	4.1	4.9	4.1				4.9	<2	2			
						4.1	0.5	119	28.0		8.1	8.1	24.9	24.9	68.5	68.5	4.7		4.1		<2									
					Bottom	7.2	0.5	85	28.0	28.0	8.1	8.1	25.0	25.0	71.9	72.0	4.9	4.9	5.7	4.9	5.7				4.9	5.7	4.9	<2	2	
						7.2	0.5	82	28.0		8.1	8.1	25.0	25.0	72.0	72.0	4.9		5.7		<2									
IM11	Fine	Moderate	11:18	7.0	Surface	1.0	0.6	105	29.0	29.0	8.0	8.0	22.1	22.1	82.0	82.0	5.6	5.3	3.2	4.8	2	2	821512	810557						
						1.0	0.6	108	29.0		8.0	8.0	22.1	22.1	81.9	82.0	5.6		3.2		2									
					Middle	3.5	0.6	93	28.3	28.3	8.0	8.0	24.1	24.1	71.4	71.4	4.9	4.9	5.0	4.9	5.0				4.9	5.0	4.9	3	2	
						3.5	0.6	91	28.3		8.0	8.0	24.1	24.1	71.4	71.4	4.9		5.0		3									
					Bottom	6.0	0.6	68	28.0	28.0	8.0	8.0	24.9	24.9	71.4	71.4	4.9	4.9	6.1	4.9	6.1				4.9	6.1	4.9	3		2
						6.0	0.6	66	28.0		8.0	8.0	24.9	24.9	71.4	71.4	4.9		6.1		3									
IM12	Rainy	Moderate	11:24	7.6	Surface	1.0	0.7	101	28.7	28.7	8.1	8.1	23.1	23.1	84.0	83.9	5.7	5.4	2.1	3.7	3	2	821184	811535						
						1.0	0.6	98	28.7		8.1	8.1	23.2	23.1	83.8	83.9	5.7		2.1		2									
					Middle	3.8	0.7	92	28.2	28.2	8.1	8.1	24.2	24.2	74.5	74.5	5.1	5.2	3.9	5.2	4.0				5.2	4.0	5.2	<2	2	
						3.8	0.7	92	28.2		8.1	8.1	24.2	24.2	74.5	74.5	5.1		4.0		<2									
					Bottom	6.6	0.7	75	28.1	28.1	8.0	8.0	24.3	24.2	75.8	75.9	5.2	5.2	5.1	5.2	5.2				5.2	5.2	5.2	<2		2
						6.6	0.7	77	28.1		8.0	8.0	24.2	24.2	75.9	75.9	5.2		5.2		<2									
SR1A	Rainy	Moderate	11:46	5.0	Surface	1.0	0.0	124	29.0	29.0	8.1	8.1	22.2	22.2	87.5	87.5	6.0	6.0	1.4	1.5	<2	<2	819981	812655						
						1.0	0.0	123	29.0		8.1	8.1	22.2	22.2	87.4	87.5	6.0		1.4		<2									
					Middle	2.5	-	120	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	2		
						2.5	-	114	-		-	-	-	-	-	-	-		-		-					-				
					Bottom	4.0	0.0	99	28.9	28.9	8.1	8.1	22.3	22.3	85.5	85.5	5.8	5.8	1.5	5.8	1.5				5.8	1.5	5.8		<2	2
						4.0	0.1	104	28.9		8.1	8.1	22.3	22.3	85.5	85.5	5.8		1.5		<2									
SR2	Sunny	Moderate	12:00	5.8	Surface	1.0	0.6	43	27.4	27.4	8.2	8.2	24.9	24.9	76.1	76.1	5.3	5.3	2.0	2.5	2	2	821482	814151						
						1.0	0.6	46	27.4		8.2	8.2	24.9	24.9	76.1	76.1	5.3		2.1		2									
					Middle	-	0.7	67	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	2		
						-	0.7	66	-		-	-	-	-	-	-	-		-		-									
					Bottom	4.8	0.7	55	27.4	27.4	8.2	8.2	27.4	27.3	68.7	68.8	4.7	4.7	3.0	4.7	3.0				4.7	3.0	4.7		<2	2
						4.8	0.7	53	27.4		8.2	8.2	27.3	27.3	68.8	68.8	4.7		3.0		<2									
SR3	Cloudy	Moderate	11:55	9.3	Surface	1.0	0.5	151	29.4	29.4	8.0	8.0	24.3	24.3	85.4	85.2	5.7	5.1	2.0	6.6	2	2	822147	807557						
						1.0	0.5	145	29.4		8.0	8.0	24.3	24.3	85.0	85.2	5.7		2.3		2									
					Middle	4.7	0.5	138	27.9	27.9	7.9	7.9	27.0	27.1	67.2	67.1	4.5	4.0	4.3	4.0	4.5				4.0	4.3	4.0	2	2	
						4.7	0.5	141	27.8		7.9	7.9	27.1	27.1	67.1	67.2	4.5		4.5		2									
					Bottom	8.3	0.5	147	27.7	27.7	7.9	7.9	30.1	30.0	59.4	59.6	4.0	4.0	13.5	4.0	13.1				4.0	13.5	4.0	2		2
						8.3	0.5	151	27.7		7.9	7.9	30.0	30.0	59.7	59.6	4.0		13.1		2									
SR4A	Rainy	Moderate	13:45	8.3	Surface	1.0	0.0	22	28.5	28.5	8.1	8.1	26.2	26.2	94.7	94.6	6.4	5.7	3.6	8.8	3	3	817210	807823						
						1.0	0.1	23	28.5		8.1	8.1	26.3	26.2	94.4	94.6	6.3		3.8		3									
					Middle	4.2	-	23	27.6	27.6	8.0	8.0	27.3	27.3	75.6	75.6	5.1	4.1	10.3	4.1	10.3				4.1	10.3	4.1	3	3	
						4.2	0.0	22	27.6		8.0	8.0	27.3	27.3	75.6	75.6	5.1		10.3		3									
					Bottom	7.3	0.0	34	27.5	27.5	7.9	7.9	29.8	29.8	60.6	60.7	4.1	4.1	12.6	4.1	12.3				4.1	12.6	4.1	3		3
						7.3	0.0	30	27.5		7.9	7.9	29.8	29.8	60.8	60.7	4.1		12.3		2									
SR8	Rainy	Moderate	11:29	5.4	Surface	1.0	-	-	28.4	28.4	8.1	8.1	23.8	23.8	78.3	78.3	5.3	5.3	1.6	2.1	4	3	820373	811603						
						1.0	-	-	28.4		8.1	8.1	23.8	23.8	78.3	78.3	5.3		1.5		3									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	2		
						-	-	-	-		-	-	-	-	-	-	-		-		-									
					Bottom	4.4	-	-	28.8	28.9	8.1	8.1	23.0	23.0	79.0	79.2	5.4	5.4	2.7	5.4	2.7				5.4	2.7	5.4		3	2
						4.4	-	-	28.9		8.1	8.1	23.0	23.0	79.3	79.2	5.4		2.7		2									

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	05:11	8.6	Surface	1.0	0.3	22	28.2	28.2	8.0	8.0	27.1	27.1	77.1	77.0	5.2	4.5	1.6	6.2	2	2	815629	804259
						1.0	0.2	29	28.2		8.0	27.0	76.9	5.2	1.6									
					Middle	4.3	0.2	19	27.0	27.0	7.9	7.9	31.2	31.2	54.5	54.6	3.7	4.4						
						4.3	0.3	22	27.0		7.9	31.2	54.6	3.7	4.5									
					Bottom	7.6	0.2	19	27.1	27.2	7.8	7.8	31.2	31.1	55.7	55.9	3.7	12.6						
						7.6	0.3	24	27.2		7.8	31.1	56.0	3.7	12.6									
C2	Cloudy	Moderate	07:01	12.3	Surface	1.0	0.3	358	28.9	28.9	8.0	8.0	24.5	24.5	83.0	83.0	5.6	5.2	1.8	7.1	4	3	825671	806945
						1.0	0.3	353	28.9		8.0	24.6	82.9	5.6	1.8									
					Middle	6.2	0.3	339	27.5	27.5	7.9	7.9	28.0	28.0	68.9	68.8	4.7	9.1						
						6.2	0.3	334	27.4		7.9	28.1	68.7	4.7	9.7									
					Bottom	11.3	0.4	15	26.8	26.8	7.9	7.9	30.6	30.6	60.2	60.2	4.1	10.1						
						11.3	0.3	18	26.8		7.9	30.6	60.2	4.1	10.1									
C3	Sunny	Moderate	05:59	10.6	Surface	1.0	0.5	270	28.0	28.0	8.2	8.2	24.3	24.3	79.3	79.3	5.4	5.4	1.0	1.4	3	2	822103	817817
						1.0	0.5	264	28.0		8.2	24.3	79.2	5.4	1.1									
					Middle	5.3	0.5	275	27.8	27.8	8.2	8.2	24.6	24.6	76.6	76.6	5.3	1.1						
						5.3	0.5	278	27.8		8.2	24.6	76.5	5.3	1.1									
					Bottom	9.6	0.5	273	26.7	26.7	8.1	8.1	27.7	27.7	71.5	71.6	4.9	2.1						
						9.6	0.4	269	26.7		8.1	27.7	71.7	4.9	2.1									
IM1	Cloudy	Moderate	05:36	6.4	Surface	1.0	0.3	22	28.1	28.1	8.0	7.9	27.3	27.3	74.6	74.6	5.0	4.5	5.8	8.2	2	2	818327	806460
						1.0	0.3	16	28.0		7.9	27.3	74.6	5.0	5.9									
					Middle	3.2	0.2	20	27.0	27.0	7.9	7.9	31.0	31.1	60.6	60.5	4.1	8.3						
						3.2	0.2	14	27.0		7.9	31.1	60.4	4.0	8.7									
					Bottom	5.4	0.2	11	26.9	26.9	7.9	7.9	31.9	31.9	58.9	59.1	3.9	10.2						
						5.4	0.3	12	26.9		7.9	31.9	59.2	4.0	10.3									
IM2	Cloudy	Moderate	05:42	7.4	Surface	1.0	0.3	3	27.1	27.2	7.9	7.9	30.8	30.8	71.2	71.2	4.7	4.5	6.2	7.9	3	3	819189	806225
						1.0	0.3	2	27.2		7.9	30.8	71.2	4.7	6.1									
					Middle	3.7	0.2	348	27.0	27.0	7.9	7.9	31.3	31.3	63.3	63.4	4.2	7.1						
						3.7	0.3	354	27.0		7.9	31.4	63.4	4.2	7.8									
					Bottom	6.4	0.2	352	26.9	26.9	7.9	7.9	32.1	32.1	58.3	58.4	3.9	10.1						
						6.4	0.2	348	26.9		7.9	32.1	58.4	3.9	10.2									
IM7	Cloudy	Moderate	06:24	8.3	Surface	1.0	0.2	338	29.8	29.8	8.0	8.0	24.4	24.5	88.3	88.2	5.9	5.2	1.6	4.2	3	3	821363	806840
						1.0	0.2	335	29.8		8.0	24.5	88.1	5.8	1.7									
					Middle	4.2	0.2	354	27.9	27.9	7.9	7.9	26.8	26.8	66.7	66.6	4.5	4.1						
						4.2	0.2	349	27.9		7.9	26.8	66.4	4.5	4.3									
					Bottom	7.3	0.2	355	27.6	27.6	7.9	7.9	30.0	30.0	58.8	59.0	3.9	6.7						
						7.3	0.1	352	27.6		7.9	30.0	59.1	3.9	6.8									

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Sunny	Moderate	07:14	9.6	Surface	1.0	0.3	285	29.1	29.1	8.1	8.1	22.4	22.4	85.9	85.9	5.8	5.3	3.2	4.6	2	822232	809835			
						1.0	0.3	288	29.1	8.1	8.1	22.4	22.4	85.8	85.8	5.8	5.3	3.2	4.6	2						
					Middle	4.8	0.3	284	28.1	28.1	8.1	8.1	24.6	24.6	70.1	70.1	4.8	4.9	4.5	4.6	2					
						4.8	0.3	284	28.1	28.1	8.1	8.1	24.6	24.6	70.1	70.1	4.8	4.9	4.5	4.6	2					
					Bottom	8.6	0.3	294	28.0	28.0	8.1	8.1	24.9	24.9	70.4	70.9	4.8	4.9	6.1	4.9	4.8			4.9	2	
						8.6	0.2	301	28.0	28.0	8.1	8.1	24.9	24.9	71.3	70.9	4.9	4.9	6.0	4.9	6.0			4.9	2	
IM11	Sunny	Moderate	07:07	9.0	Surface	1.0	0.3	269	28.9	28.9	8.1	8.1	22.6	22.6	84.9	84.8	5.8	5.7	1.5	2.4	<2	821504	810562			
						1.0	0.3	269	28.9	28.9	8.1	8.1	22.6	22.6	84.7	84.8	5.8	5.7	1.5	2.4	<2					
					Middle	4.5	0.3	263	28.7	28.7	8.1	8.1	22.8	22.9	80.8	80.7	5.5	5.1	2.0	5.1	2.0			5.1	3	
						4.5	0.3	263	28.6	28.6	8.1	8.1	22.9	22.9	80.6	80.7	5.5	5.1	2.0	5.1	2.0			5.1	3	
					Bottom	8.0	0.3	267	28.2	28.2	8.1	8.1	24.1	24.1	75.0	75.1	5.1	5.5	3.6	5.5	3.6			5.5	4	
						8.0	0.3	263	28.2	28.2	8.1	8.1	24.1	24.1	75.2	75.1	5.1	5.5	3.5	5.5	3.5			5.5	4	
IM12	Sunny	Moderate	06:58	8.4	Surface	1.0	0.3	294	28.8	28.8	8.2	8.2	22.1	22.1	95.7	95.7	6.5	6.2	1.5	2.1	5	821184	811534			
						1.0	0.3	289	28.8	28.8	8.2	8.2	22.1	22.1	95.7	95.7	6.5	6.2	1.5	2.1	4					
					Middle	4.2	0.3	267	28.5	28.5	8.1	8.1	22.9	23.0	85.8	85.8	5.9	5.5	1.9	5.5	1.9			5.5	3	
						4.2	0.3	263	28.5	28.5	8.1	8.1	23.0	23.0	85.7	85.8	5.9	5.5	1.9	5.5	1.9			5.5	3	
					Bottom	7.4	0.3	286	28.3	28.3	8.1	8.1	23.7	23.6	80.9	81.0	5.5	5.5	2.9	5.5	2.9			5.5	3	
						7.4	0.3	278	28.3	28.3	8.1	8.1	23.6	23.6	81.0	81.0	5.5	5.5	2.9	5.5	2.9			5.5	3	
SR1A	Sunny	Moderate	06:36	4.2	Surface	1.0	0.0	195	28.8	28.8	8.1	8.1	22.9	22.9	82.1	82.1	5.6	5.6	1.0	1.2	2	819976	812666			
						1.0	0.0	200	28.8	28.8	8.1	8.1	22.9	22.9	82.1	82.1	5.6	5.6	1.0	1.2	2					
					Middle	2.1	-	204	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3
						2.1	0.1	210	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	3
					Bottom	3.2	0.0	168	28.2	28.2	8.0	8.0	24.1	24.1	80.1	80.1	5.5	5.5	1.3	5.5	1.3			5.5	3	
						3.2	0.1	168	28.2	28.2	8.0	8.0	24.1	24.1	80.1	80.1	5.5	5.5	1.3	5.5	1.3			5.5	3	
SR2	Sunny	Moderate	06:23	5.2	Surface	1.0	0.1	270	28.3	28.3	7.9	7.9	23.6	23.6	75.1	75.1	5.1	5.1	1.3	1.4	2	821463	814161			
						1.0	0.1	276	28.3	28.3	7.9	7.9	23.6	23.6	75.1	75.1	5.1	5.1	1.3	1.4	3					
					Middle	-	0.2	295	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2
						-	0.2	300	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2
					Bottom	4.2	0.1	280	28.2	28.2	7.8	7.8	23.9	23.9	75.2	75.3	5.1	5.2	1.6	5.2	1.6			5.2	<2	
						4.2	0.1	282	28.2	28.2	7.8	7.8	23.9	23.9	75.4	75.3	5.2	5.2	1.6	5.2	1.6			5.2	<2	
SR3	Cloudy	Moderate	06:31	8.2	Surface	1.0	0.3	352	29.3	29.3	8.0	8.0	24.4	24.4	92.8	92.7	6.2	6.1	1.3	2.6	4	822155	807594			
						1.0	0.3	349	29.3	29.3	8.0	8.0	24.4	24.4	92.5	92.7	6.2	6.1	1.3	2.6	3					
					Middle	4.1	0.3	342	28.6	28.6	8.0	8.0	25.1	25.1	89.4	89.2	6.0	4.5	2.2	4.5	2.2			4.5	3	
						4.1	0.3	335	28.5	28.5	8.0	8.0	25.1	25.1	89.0	89.2	6.0	4.5	2.3	4.5	2.3			4.5	3	
					Bottom	7.2	0.3	332	28.3	28.3	7.9	7.9	27.8	27.9	67.4	67.4	4.5	3.9	4.4	3.9	4.4			3.9	4.4	2
						7.2	0.3	330	28.3	28.3	7.9	7.9	27.9	27.9	67.4	67.4	4.5	3.9	4.2	3.9	4.2			3.9	4.4	2
SR4A	Cloudy	Moderate	04:42	9.4	Surface	1.0	0.0	124	28.3	28.3	8.0	8.0	26.6	26.6	81.3	81.3	5.5	4.9	1.6	4.3	2	817184	807799			
						1.0	0.1	117	28.3	28.3	8.0	8.0	26.6	26.6	81.3	81.3	5.5	4.9	1.6	4.3	2					
					Middle	4.7	0.0	136	27.7	27.7	7.9	7.9	28.6	28.6	63.7	63.7	4.3	3.9	3.3	3.9	3.3			3.9	3	
						4.7	0.0	129	27.7	27.7	7.9	7.9	28.6	28.6	63.7	63.7	4.3	3.9	3.3	3.9	3.3			3.9	3	
					Bottom	8.4	0.1	132	27.3	27.3	7.9	7.9	30.4	30.4	58.8	58.8	3.9	3.9	8.0	3.9	8.0			3.9	8.0	3
						8.4	0.0	138	27.3	27.3	8.0	8.0	30.4	30.4	58.8	58.8	3.9	3.9	8.0	3.9	8.0			3.9	8.0	3
SR8	Sunny	Moderate	06:53	3.8	Surface	1.0	-	-	28.9	28.9	8.1	8.1	22.2	22.2	92.1	92.1	6.3	6.3	0.8	0.9	2	820401	811638			
						1.0	-	-	28.9	28.9	8.1	8.1	22.2	22.2	92.1	92.1	6.3	6.3	0.9	0.9	2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	2
					Bottom	2.8	-	-	28.9	28.9	8.1	8.1	22.3	22.3	92.3	92.3	6.3	6.3	1.0	6.3	1.0			6.3	1.0	<2
						2.8	-	-	28.9	28.9	8.1	8.1	22.3	22.3	92.3	92.3	6.3	6.3	1.0	6.3	1.0			6.3	1.0	<2

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)									
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA											
C1	Cloudy	Moderate	14:08	8.6	Surface	1.0	0.7	225	29.0	29.0	8.2	8.2	24.0	24.0	78.3	78.2	5.3	4.8	3.3	6.1	3	4	815611	804245								
						1.0	0.6	220	29.0		8.2	8.2	24.0	24.0	78.1	78.2	5.3		3.3													
					Middle	4.3	0.7	201	26.9	26.9	8.3	8.3	29.3	29.3	62.8	62.8	4.3	4.0	5.4	4												
						4.3	0.7	208	26.8		8.3	8.3	29.4	29.3	62.7	62.8	4.3		5.4													
					Bottom	7.6	0.6	203	26.3	26.3	8.3	8.3	30.6	30.6	58.8	58.9	4.0	4.0	9.6	5												
						7.6	0.6	200	26.3		8.3	8.3	30.6	30.6	59.0	58.9	4.0		9.5	6												
					C2	Cloudy	Moderate	12:11	11.8	Surface	1.0	0.4	157	29.0	29.0	8.2	8.2	22.6	22.7	84.8	84.8				5.7	5.3	3.2	6.0	3	3	825672	806936
											1.0	0.5	157	29.0		8.2	8.2	22.7	22.7	84.8	84.8				5.7		3.2					
Middle	5.9	0.5	186	28.3						28.3	8.1	8.1	24.7	24.7	71.6	71.6	4.9	4.1	5.7	4												
	5.9	0.4	181	28.3							8.1	8.1	24.7	24.7	71.6	71.6	4.9		5.7													
Bottom	10.8	0.5	176	28.2						28.2	8.1	8.1	28.8	28.8	61.2	61.2	4.1	4.1	9.2	2												
	10.8	0.5	177	28.2							8.1	8.1	28.8	28.8	61.2	61.2	4.1		9.2	2												
C3	Misty	Moderate	13:33	8.2	Surface	1.0	0.4	58	27.0	27.0	7.9	7.9	29.5	29.6	70.6	70.7	4.8	4.6	1.0	2.1	3	3	822114	817825								
						1.0	0.3	52	27.0		7.9	7.9	29.6	29.6	70.8	70.7	4.8		1.0													
					Middle	4.1	0.4	85	26.7	26.7	7.9	7.9	30.3	30.4	65.8	65.8	4.5	4.4	2.1		3											
						4.1	0.4	84	26.6		7.9	7.9	30.4	30.4	65.7	65.8	4.4		2.1													
					Bottom	7.2	0.4	73	26.4	26.4	7.9	7.9	30.8	30.7	65.0	65.1	4.4	4.4	3.2		2											
						7.2	0.4	71	26.4		7.9	7.9	30.7	30.7	65.2	65.1	4.4		3.2		3											
IM1	Cloudy	Moderate	13:44	7.2	Surface	1.0	0.5	196	29.5	29.5	8.2	8.2	23.0	23.0	81.0	80.8	5.4	4.8	5.4	9.1	2	3	818370	806457								
						1.0	0.4	194	29.5		8.2	8.2	23.0	23.0	80.6	80.8	5.4		5.5													
					Middle	3.6	0.5	199	26.9	26.9	8.2	8.2	29.4	29.4	62.4	62.4	4.2	3.9	9.3		3											
						3.6	0.5	201	26.9		8.2	8.2	29.4	29.4	62.4	62.4	4.2		9.3													
					Bottom	6.2	0.4	192	26.7	26.7	8.2	8.2	29.7	29.7	57.1	57.2	3.9	3.9	12.4		3											
						6.2	0.5	194	26.7		8.2	8.2	29.7	29.7	57.2	57.2	3.9		12.6		4											
IM2	Cloudy	Moderate	13:38	7.2	Surface	1.0	0.5	200	29.3	29.3	8.1	8.1	23.0	23.0	84.5	84.4	5.7	5.0	0.2	3.7	4	3	819169	806230								
						1.0	0.6	203	29.3		8.1	8.1	23.0	23.0	84.3	84.4	5.7		0.2													
					Middle	3.6	0.6	194	27.7	27.7	8.2	8.2	27.1	27.1	62.5	62.5	4.2	3.9	2.6		4											
						3.6	0.5	189	27.7		8.2	8.2	27.1	27.1	62.5	62.5	4.2		2.9													
					Bottom	6.2	0.5	205	26.5	26.5	8.2	8.2	30.1	30.1	57.6	57.7	3.9	3.9	8.3		3											
						6.2	0.5	212	26.5		8.2	8.2	30.1	30.1	57.7	57.7	3.9		8.2		3											
IM7	Cloudy	Moderate	13:04	8.1	Surface	1.0	0.3	171	29.2	29.2	8.1	8.1	23.1	23.1	79.0	78.9	5.3	4.9	0.1	2.6	3	4	821353	806812								
						1.0	0.3	177	29.1		8.1	8.1	23.1	23.1	78.7	78.9	5.3		0.1													
					Middle	4.1	0.3	154	28.3	28.3	8.1	8.1	25.5	25.5	66.2	66.2	4.5	4.0	3.5		4											
						4.1	0.3	147	28.3		8.1	8.1	25.5	25.5	66.2	66.2	4.5		3.6													
					Bottom	7.1	0.3	182	28.2	28.2	8.1	8.1	25.7	25.7	58.7	58.7	4.0	4.0	4.3		5											
						7.1	0.3	187	28.2		8.1	8.1	25.7	25.7	58.7	58.7	4.0		4.2		6											

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Misty	Moderate	12:12	8.0	Surface	1.0	0.6	107	29.0	29.0	8.0	7.9	25.4	25.4	86.4	86.4	5.8	5.6	2.3	3.7	4	3	822233	809848			
						1.0	0.5	108	29.0	7.9	7.9	25.4	25.4	86.3	86.3	5.8	5.6	2.3	3								
					Middle	4.0	0.5	108	28.7	28.7	7.9	7.9	26.0	26.1	80.6	80.6	5.4	5.1	4.2	4.1	3				4		
						4.0	0.6	108	28.7	28.7	7.9	7.9	26.1	26.1	80.5	80.5	5.4	5.1	4.1	4.1	3				4		
					Bottom	7.0	0.5	93	28.6	28.6	7.9	7.9	26.4	26.4	75.5	75.5	5.1	5.1	4.5	4.5	2				2		
						7.0	0.6	98	28.6	28.6	7.9	7.9	26.3	26.4	75.5	75.5	5.1	5.1	4.5	4.5	3				3		
IM11	Misty	Moderate	12:28	7.8	Surface	1.0	0.6	80	29.2	29.2	8.0	8.0	25.2	25.2	88.9	88.9	5.9	5.7	1.3	2.5	3	3	821492	810528			
						1.0	0.7	73	29.1	29.1	8.0	8.0	25.2	25.2	88.8	88.8	5.9	5.7	1.4	2.3	3						
					Middle	3.9	0.6	102	28.9	28.9	7.9	7.9	25.7	25.7	82.1	82.1	5.5	5.0	2.3	2.3	3				3		
						3.9	0.6	105	28.8	28.8	7.9	7.9	25.7	25.7	82.0	82.0	5.5	5.0	2.3	2.3	3				3		
					Bottom	6.8	0.7	112	28.5	28.6	7.9	7.9	26.5	26.4	75.0	75.0	5.0	5.0	3.9	3.9	2				2		
						6.8	0.7	113	28.6	28.6	7.9	7.9	26.4	26.4	75.0	75.0	5.0	5.0	4.0	4.0	2				2		
IM12	Misty	Moderate	12:34	7.6	Surface	1.0	0.7	92	29.1	29.1	8.0	8.0	25.5	25.5	87.3	87.4	5.8	5.8	1.0	1.6	3	3	821145	811521			
						1.0	0.7	86	29.1	29.1	8.0	8.0	25.5	25.5	87.3	87.4	5.8	5.8	1.0	1.6	3						
					Middle	3.8	0.7	113	29.1	29.1	8.0	8.0	25.5	25.5	87.3	87.4	5.8	5.9	1.9	1.9	3				3		
						3.8	0.6	119	29.1	29.1	8.0	8.0	25.5	25.5	87.4	87.4	5.8	5.9	1.9	1.9	3				3		
					Bottom	6.6	0.7	114	28.9	28.9	7.9	7.9	25.8	25.8	88.3	88.5	5.9	5.9	1.9	1.9	3				3		
						6.6	0.7	121	28.9	28.9	7.9	7.9	25.8	25.8	88.6	88.5	5.9	5.9	1.9	1.9	3				3		
SR1A	Misty	Moderate	12:56	5.0	Surface	1.0	0.0	83	28.9	28.9	7.9	7.9	25.9	25.9	84.1	84.1	5.6	5.6	2.3	2.5	4	3	819972	812665			
						1.0	0.1	89	28.8	28.8	7.9	7.9	26.0	26.0	84.1	84.1	5.6	5.6	2.3	2.5	3						
					Middle	2.5	0.1	100	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3
						2.5	0.1	105	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3
					Bottom	4.0	0.0	87	28.1	28.2	7.9	7.9	27.7	27.7	76.1	76.2	5.1	5.1	2.7	2.7	3				2		
						4.0	0.1	85	28.2	28.2	7.9	7.9	27.7	27.7	76.3	76.2	5.1	5.1	2.7	2.7	2				2		
SR2	Misty	Moderate	13:10	5.2	Surface	1.0	0.7	50	29.6	29.6	8.0	8.0	24.1	24.1	100.1	100.2	6.7	6.7	1.3	2.2	3	2	821481	814170			
						1.0	0.6	50	29.6	29.6	8.0	8.0	24.1	24.1	100.2	100.2	6.7	6.7	1.3	2.2	2						
					Middle	-	0.7	37	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2
						-	0.7	41	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	2
					Bottom	4.2	0.7	49	29.0	29.1	8.0	8.0	25.4	25.4	88.5	88.6	5.9	5.9	3.0	3.0	2				2		
						4.2	0.7	49	29.1	29.1	8.0	8.0	25.4	25.4	88.7	88.6	5.9	5.9	3.0	3.0	2				2		
SR3	Cloudy	Moderate	12:55	9.4	Surface	1.0	0.5	148	29.2	29.2	8.2	8.2	22.4	22.4	83.6	83.6	5.7	5.5	3.4	7.1	2	3	822134	807569			
						1.0	0.5	153	29.2	29.2	8.2	8.2	22.4	22.4	83.6	83.6	5.7	5.5	3.5	7.1	2						
					Middle	4.7	0.6	153	28.6	28.6	8.1	8.1	24.9	24.9	77.0	77.0	5.2	4.2	7.3	7.8	3				3		
						4.7	0.6	157	28.6	28.6	8.1	8.1	24.9	24.9	77.0	77.0	5.2	4.2	7.8	7.8	3				3		
					Bottom	8.4	0.5	163	28.3	28.3	8.1	8.1	27.1	27.3	63.2	63.2	4.2	4.4	10.6	10.3	3				3		
						8.4	0.5	159	28.3	28.3	8.1	8.1	27.5	27.6	63.2	63.2	4.2	4.4	10.3	10.3	3				3		
SR4A	Cloudy	Moderate	14:39	9.3	Surface	1.0	0.0	329	29.4	29.4	8.2	8.2	23.4	23.4	84.5	84.4	5.7	5.0	1.3	8.0	2	3	817208	807815			
						1.0	0.0	325	29.4	29.4	8.2	8.2	23.4	23.4	84.2	84.4	5.7	5.0	1.3	8.0	3						
					Middle	4.7	-	320	27.8	27.8	8.2	8.2	27.1	27.1	63.5	63.5	4.3	4.4	9.4	9.4	3				3		
						4.7	0.0	325	27.8	27.8	8.2	8.2	27.1	27.1	63.5	63.5	4.3	4.4	9.4	9.4	3				3		
					Bottom	8.3	0.0	348	27.6	27.6	8.1	8.1	27.6	27.6	65.2	65.3	4.4	4.4	13.2	13.1	4				3		
						8.3	0.0	353	27.6	27.6	8.1	8.1	27.6	27.6	65.4	65.4	4.4	4.4	13.1	13.1	3				3		
SR8	Misty	Moderate	12:40	5.8	Surface	1.0	-	-	29.4	29.4	8.0	8.0	24.8	24.7	90.9	94.4	6.1	6.3	1.0	1.1	2	3	820386	811635			
						1.0	-	-	29.4	29.4	8.0	8.0	24.6	24.7	97.8	94.4	6.5	6.3	0.9	1.1	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3
					Bottom	4.8	-	-	29.2	29.2	8.0	8.0	25.1	25.1	91.2	91.0	6.1	6.1	1.4	1.3	3				3		
						4.8	-	-	29.2	29.2	8.0	8.0	25.1	25.1	90.8	91.0	6.1	6.1	1.3	1.3	3				3		

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA										
C1	Cloudy	Moderate	06:09	8.0	Surface	1.0	0.2	33	29.1	8.2	8.2	23.5	23.5	78.4	78.3	5.3	4.6	1.7	6.4	3	3	815611	804264								
						1.0	0.2	28	29.1	8.2	8.2	23.5	23.5	78.2	78.3	5.3		1.6		4											
					Middle	4.0	0.3	12	26.2	8.3	8.3	30.7	30.7	56.2	56.2	3.8	4.0	9.6	4.0	8.0				4.0	3	3	815611	804264			
						4.0	0.3	6	26.2	8.3	8.3	30.7	30.7	56.2	56.2	3.8		9.8		3											
					Bottom	7.0	0.2	27	26.1	8.3	8.3	31.0	31.0	58.6	58.8	4.0	4.0	8.0	4.0	8.0				4.0	3				3	815611	804264
						7.0	0.2	31	26.1	8.3	8.3	31.0	31.0	58.9	58.8	4.0		7.8		2											
C2	Cloudy	Moderate	07:57	12.1	Surface	1.0	0.4	0	29.2	8.2	8.2	20.8	20.8	83.6	83.6	5.7	5.2	3.6	7.5	3	3	825696	806934								
						1.0	0.4	1	29.2	8.2	8.2	20.8	20.8	83.6	83.6	5.7		3.6		4											
					Middle	6.1	0.4	336	28.3	8.1	8.1	24.2	24.3	69.7	69.7	4.7	4.1	7.2	4.1	11.6				4.1	2	3	825696	806934			
						6.1	0.5	329	28.3	8.1	8.1	24.3	24.3	69.7	69.7	4.7		7.7		3											
					Bottom	11.1	0.4	6	28.2	8.1	8.1	28.7	28.7	62.2	62.2	4.1	4.1	11.6	4.1	11.6				4.1	2				3	825696	806934
						11.1	0.4	5	28.2	8.1	8.1	28.7	28.7	62.2	62.2	4.1		11.6		3											
C3	Fine	Moderate	06:54	10.6	Surface	1.0	0.5	261	28.0	8.0	8.0	27.6	27.6	88.6	88.7	6.0	5.8	0.7	1.0	3	2	822094	817822								
						1.0	0.5	266	28.0	8.0	8.0	27.6	27.6	88.8	88.7	6.0		0.7		2											
					Middle	5.3	0.5	271	27.3	7.9	7.9	29.2	29.2	82.3	82.3	5.5	5.4	1.0	5.4	1.2				5.4	2	2	822094	817822			
						5.3	0.5	268	27.3	7.9	7.9	29.2	29.2	82.2	82.3	5.5		1.0		2											
					Bottom	9.6	0.5	278	27.2	7.9	7.9	29.5	29.5	80.7	80.7	5.4	5.4	1.2	5.4	1.2				5.4	2				2	822094	817822
						9.6	0.5	280	27.2	7.9	7.9	29.5	29.5	80.6	80.7	5.4		1.2		2											
IM1	Cloudy	Moderate	06:33	7.1	Surface	1.0	0.2	6	29.3	8.1	8.1	22.9	22.9	81.5	81.5	5.5	4.8	8.4	6.7	2	2	818331	806473								
						1.0	0.2	358	29.2	8.1	8.1	23.0	22.9	81.4	81.5	5.5		8.5		2											
					Middle	3.6	0.2	18	28.3	8.2	8.2	25.8	25.8	60.9	60.8	4.1	3.9	5.0	3.9	6.7				3.9	2	2	818331	806473			
						3.6	0.2	18	28.3	8.2	8.2	25.8	25.8	60.7	60.8	4.1		5.3		2											
					Bottom	6.1	0.2	349	26.8	8.3	8.3	29.4	29.4	57.4	57.6	3.9	3.9	6.3	3.9	6.7				3.9	3				2	818331	806473
						6.1	0.3	351	26.8	8.3	8.3	29.4	29.4	57.8	57.6	3.9		6.7		3											
IM2	Cloudy	Moderate	06:38	7.4	Surface	1.0	0.2	6	29.3	8.1	8.1	23.0	23.0	81.3	81.2	5.5	5.1	2.0	4.8	2	3	819184	806214								
						1.0	0.2	359	29.3	8.1	8.1	23.1	23.0	81.0	81.2	5.5		2.2		3											
					Middle	3.7	0.2	3	28.8	8.2	8.2	24.3	24.2	70.1	70.3	4.7	3.9	1.8	3.9	10.4				3.9	3	3	819184	806214			
						3.7	0.3	1	28.8	8.2	8.2	24.2	24.2	70.4	70.3	4.8		2.0		2											
					Bottom	6.4	0.3	355	26.8	8.3	8.3	29.5	29.5	57.2	57.3	3.9	3.9	10.3	3.9	10.3				3.9	4				3	819184	806214
						6.4	0.3	352	26.8	8.3	8.3	29.5	29.5	57.3	57.3	3.9		10.3		4											
IM7	Cloudy	Moderate	07:14	7.8	Surface	1.0	0.2	335	29.5	8.1	8.1	22.9	22.9	82.9	82.8	5.6	5.1	1.7	3.1	2	3	821338	806812								
						1.0	0.2	339	29.5	8.1	8.1	22.9	22.9	82.6	82.8	5.6		1.7		3											
					Middle	3.9	0.2	318	28.4	8.1	8.1	25.0	25.0	66.3	66.2	4.5	4.1	2.3	4.1	5.2				4.1	2	3	821338	806812			
						3.9	0.2	316	28.4	8.1	8.1	25.1	25.0	66.0	66.2	4.5		2.5		3											
					Bottom	6.8	0.2	348	28.2	8.1	8.1	25.7	25.7	61.4	61.4	4.1	4.1	5.2	4.1	5.1				4.1	3				3	821338	806812
						6.8	0.1	340	28.2	8.1	8.1	25.7	25.7	61.4	61.4	4.1		5.1		3											

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
IM10	Sunny	Moderate	08:23	9.4	Surface	1.0	0.3	303	29.0	29.0	8.0	8.0	25.7	25.7	84.3	84.2	5.6	5.6	1.1	1.1	3	822246	809819							
						1.0	0.2	308	29.0	8.0	8.0	25.7	25.7	84.0	84.0	5.6	5.6	1.1	1.1	2										
					Middle	4.7	0.3	304	28.8	28.8	8.0	8.0	26.0	26.0	82.6	82.6	5.5	5.5	1.4	1.4	2			3						
						4.7	0.3	310	28.8	28.8	8.0	8.0	26.0	26.0	82.5	82.5	5.5	5.5	1.4	1.4	2									
					Bottom	8.4	0.3	280	28.7	28.7	7.9	7.9	26.1	26.1	82.6	82.8	5.5	5.5	2.4	2.4	3			3						
						8.4	0.3	282	28.7	28.7	7.9	7.9	26.1	26.1	82.9	82.8	5.6	5.6	2.3	2.3	4			3						
					IM11	Sunny	Moderate	08:15	9.0	Surface	1.0	0.3	292	29.4	29.4	8.0	8.0	24.6	24.7	93.7	93.7			6.3	6.3	1.6	1.5	5	821506	810567
											1.0	0.4	295	29.4	29.4	8.0	8.0	24.7	24.7	93.7	93.7			6.3	6.3	1.5	1.5	4		
Middle	4.5	0.3	274	28.9						28.9	7.9	7.9	25.6	25.6	84.3	84.3	5.6	5.6	3.7	3.6	2	3								
	4.5	0.3	274	28.8						28.8	7.9	7.9	25.7	25.6	84.2	84.2	5.6	5.6	3.6	3.6	3									
Bottom	8.0	0.4	284	28.5						28.6	8.0	8.0	26.5	26.5	76.3	76.4	5.1	5.1	4.2	4.2	2	3								
	8.0	0.3	288	28.6						28.6	8.0	8.0	26.4	26.5	76.4	76.4	5.1	5.1	4.2	4.2	2	2								
IM12	Sunny	Moderate	08:07	7.4						Surface	1.0	0.4	269	29.4	29.4	8.1	8.1	24.6	24.6	104.2	103.9	7.0	6.9	1.5	1.7	3	821176	811501		
											1.0	0.4	272	29.3	29.3	8.1	8.1	24.7	24.6	103.6	103.6	6.9	6.9	1.7	1.7	4				
					Middle	3.7	0.4	292	28.5	28.5	7.9	7.9	26.5	26.5	75.4	75.4	5.1	5.1	2.0	2.0	3	3								
						3.7	0.4	298	28.5	28.5	7.9	7.9	26.6	26.5	75.3	75.3	5.1	5.1	2.0	2.0	4									
					Bottom	6.4	0.3	278	28.6	28.7	7.9	7.9	26.7	26.7	77.0	77.1	5.1	5.1	3.7	3.7	2	3								
						6.4	0.4	276	28.6	28.7	7.9	7.9	26.7	26.7	77.2	77.1	5.2	5.2	3.7	3.7	3									
					SR1A	Fine	Moderate	07:39	4.8	Surface	1.0	0.0	211	28.8	28.8	7.9	7.9	26.3	26.3	82.5	82.5	5.5	5.5	1.2	1.2	3			819975	812662
											1.0	0.0	210	28.7	28.7	7.9	7.9	26.4	26.3	82.4	82.4	5.5	5.5	1.2	1.2	2				
Middle	2.4	0.0	182	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	3						
	2.4	0.0	187	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	3						
Bottom	3.8	0.0	192	28.7						28.7	7.9	7.9	26.6	26.5	79.2	79.3	5.3	5.3	2.1	2.1	3	3								
	3.8	0.1	196	28.7						28.7	7.9	7.9	26.4	26.5	79.4	79.3	5.3	5.3	2.1	2.1	3	3								
SR2	Fine	Moderate	07:23	5.2						Surface	1.0	0.1	268	28.8	28.8	8.0	8.0	26.0	26.0	86.6	86.6	5.8	5.8	1.0	1.1	4	821464	814184		
											1.0	0.1	275	28.8	28.8	8.0	8.0	26.0	26.0	86.6	86.6	5.8	5.8	1.1	1.1	3				
					Middle	-	0.1	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4						
						-	0.1	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4						
					Bottom	4.2	0.0	284	27.9	27.9	8.0	8.0	27.9	27.8	77.5	77.6	5.2	5.2	1.9	1.9	4	4								
						4.2	0.0	277	27.9	27.9	8.0	8.0	27.8	27.8	77.7	77.6	5.2	5.2	1.9	1.9	4	4								
					SR3	Cloudy	Moderate	07:27	8.2	Surface	1.0	0.3	326	29.1	29.1	8.2	8.2	22.5	22.5	85.2	85.2	5.8	5.8	2.2	2.2	2			822167	807582
											1.0	0.3	324	29.1	29.1	8.2	8.2	22.6	22.5	85.2	85.2	5.8	5.8	2.2	2.2	3				
Middle	4.1	0.4	356	28.4						28.4	8.2	8.2	24.2	24.3	79.4	79.2	5.4	5.4	3.2	3.2	4	3								
	4.1	0.3	355	28.3						28.3	8.2	8.2	24.3	24.3	79.0	79.0	5.4	5.4	3.2	3.2	3									
Bottom	7.2	0.3	331	28.1						28.1	8.1	8.1	26.0	26.0	60.7	60.7	4.1	4.1	5.5	5.5	3	3								
	7.2	0.3	331	28.1						28.1	8.1	8.1	26.0	26.0	60.7	60.7	4.1	4.1	5.5	5.5	4	3								
SR4A	Cloudy	Moderate	05:39	9.0						Surface	1.0	0.0	210	29.3	29.3	8.0	8.0	22.7	22.7	85.9	85.9	5.8	5.8	0.8	0.7	3	817182	807804		
											1.0	0.0	206	29.3	29.3	8.0	8.0	22.7	22.7	85.8	85.9	5.8	5.8	0.7	0.7	4				
					Middle	4.5	0.0	203	29.0	29.0	8.0	8.0	23.7	23.7	79.9	79.9	5.4	5.4	2.1	2.1	4	4								
						4.5	0.1	195	29.0	29.0	8.0	8.0	23.7	23.7	79.8	79.8	5.4	5.4	2.1	2.1	2									
					Bottom	8.0	0.0	228	28.9	28.9	8.0	8.0	24.0	24.0	78.3	78.3	5.3	5.3	5.1	5.1	4	4								
						8.0	0.0	226	28.9	28.9	8.0	8.0	24.0	24.0	78.3	78.3	5.3	5.3	5.1	5.1	4	4								
					SR8	Sunny	Moderate	08:02	4.6	Surface	1.0	-	-	28.7	28.7	7.9	7.9	26.5	26.5	79.8	79.8	5.3	5.3	2.2	2.2	2			820406	811618
											1.0	-	-	28.7	28.7	7.9	7.9	26.5	26.5	79.8	79.8	5.3	5.3	2.2	2.2	4				
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	3						
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	3						
Bottom	3.6	-	-	28.6						28.6	7.9	7.9	26.7	26.7	81.6	81.7	5.5	5.5	2.2	2.2	3	3								
	3.6	-	-	28.6						28.6	7.9	7.9	26.7	26.7	81.8	81.7	5.5	5.5	2.2	2.2	2	2								

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	14:37	8.5	Surface	1.0	0.5	225	27.9	8.3	8.3	24.9	24.9	67.5	67.4	4.6	4.5	4.8	2.3	2	815630	804236		
						1.0	0.5	224	27.8	8.3	8.3	24.9	24.9	67.2	67.2	4.6			2.3					
					Middle	4.3	0.5	212	26.7	8.4	8.4	28.2	28.2	64.6	64.5	4.4	3.8							
						4.3	0.5	218	26.7	8.4	8.4	28.2	28.2	64.4	64.4	4.3	4.1							
					Bottom	7.5	0.5	187	26.1	8.4	8.4	29.9	29.9	54.3	54.4	3.7	8.2							
						7.5	0.5	181	26.1	8.4	8.4	29.9	29.9	54.5	54.4	3.7	8.3							
C2	Cloudy	Moderate	13:07	11.6	Surface	1.0	0.4	157	27.9	8.2	8.2	20.8	20.9	68.4	68.4	4.8	4.5	6.6	3.7	3	825699	806952		
						1.0	0.4	160	27.9	8.2	8.2	20.9	20.9	68.4	68.4	4.8			3.9					
					Middle	5.8	0.3	150	27.5	8.2	8.2	23.4	23.4	61.0	61.1	4.2	7.5							
						5.8	0.4	155	27.5	8.2	8.2	23.5	23.4	61.1	61.1	4.2	7.6							
					Bottom	10.6	0.3	189	27.4	8.2	8.2	26.7	26.7	61.6	61.6	4.2	8.4							
						10.6	0.3	182	27.5	8.2	8.2	26.7	26.7	61.6	61.6	4.2	8.3							
C3	Misty	Moderate	14:29	8.2	Surface	1.0	0.4	82	26.8	7.9	7.9	29.9	30.0	67.6	67.6	4.6	4.4	3.5	1.1	2	822090	817782		
						1.0	0.5	75	26.8	7.9	7.9	30.0	30.0	67.6	67.6	4.6			1.1					
					Middle	4.1	0.4	64	26.4	7.9	7.9	30.7	30.8	61.1	61.1	4.1	3.9							
						4.1	0.4	69	26.4	7.9	7.9	30.8	30.8	61.0	61.1	4.1	3.9							
					Bottom	7.2	0.4	65	26.6	7.9	7.9	30.5	30.5	60.2	60.3	4.1	5.6							
						7.2	0.4	68	26.7	7.9	7.9	30.4	30.5	60.4	60.3	4.1	5.6							
IM1	Cloudy	Moderate	14:13	6.4	Surface	1.0	0.3	195	27.8	8.3	8.3	25.3	25.3	68.4	68.4	4.7	4.5	7.2	5.1	3	818350	806443		
						1.0	0.3	194	27.8	8.3	8.3	25.3	25.3	68.4	68.4	4.7			5.2					
					Middle	3.2	0.3	189	26.5	8.4	8.4	28.7	28.7	62.5	62.5	4.3	2.7							
						3.2	0.3	191	26.5	8.4	8.4	28.7	28.7	62.5	62.5	4.3	2.7							
					Bottom	5.4	0.3	204	26.2	8.4	8.4	29.7	29.7	57.4	57.6	3.9	14.0							
						5.4	0.3	203	26.2	8.4	8.4	29.7	29.7	57.7	57.6	4.0	13.7							
IM2	Cloudy	Moderate	14:07	6.9	Surface	1.0	0.4	191	27.1	8.3	8.3	27.4	27.4	69.2	69.2	4.7	4.6	8.9	4.3	2	819161	806216		
						1.0	0.4	183	27.1	8.3	8.3	27.4	27.4	69.2	69.2	4.7			4.3					
					Middle	3.5	0.3	179	26.3	8.4	8.4	29.4	29.5	63.8	63.8	4.4	10.0							
						3.5	0.4	171	26.2	8.4	8.4	29.5	29.5	63.8	63.8	4.4	9.3							
					Bottom	5.9	0.3	203	26.1	8.4	8.4	29.8	29.8	59.6	59.7	4.1	12.8							
						5.9	0.3	206	26.1	8.4	8.4	29.8	29.8	59.8	59.7	4.1	12.9							
IM7	Cloudy	Moderate	13:39	8.0	Surface	1.0	0.2	155	27.5	8.3	8.3	26.3	26.3	69.7	69.6	4.7	4.6	9.6	3.2	3	821329	806823		
						1.0	0.2	153	27.5	8.3	8.3	26.3	26.3	69.4	69.4	4.7			3.2					
					Middle	4.0	0.2	152	26.6	8.3	8.3	27.8	27.8	65.4	65.4	4.5	11.9							
						4.0	0.2	152	26.6	8.3	8.3	27.8	27.8	65.4	65.4	4.5	12.5							
					Bottom	7.0	0.2	183	26.6	8.4	8.4	28.8	28.8	57.3	57.3	3.9	13.4							
						7.0	0.3	187	26.6	8.4	8.4	28.8	28.8	57.3	57.3	3.9	13.5							

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Misty	Moderate	13:08	7.8	Surface	1.0	0.4	99	29.3	29.3	8.0	8.0	25.4	25.4	87.7	87.7	5.8	5.7	1.1	1.5	<2	≤2	822224	809826
						1.0	0.4	93	29.2		8.0	8.0	25.5	25.4	87.7	87.7	5.8		1.1					
					Middle	3.9	0.4	112	28.8	28.8	8.0	8.0	25.9	25.9	82.2	82.2	5.5	5.5	1.2	<2				
						3.9	0.4	114	28.8		8.0	8.0	25.9	25.9	82.2	82.2	5.5		1.2					
					Bottom	6.8	0.5	108	28.8	28.8	8.0	8.0	26.0	26.0	82.3	82.3	5.5	5.5	2.0	<2				
						6.8	0.5	111	28.8		8.0	8.0	26.0	26.0	82.3	82.3	5.5		2.1					
IM11	Misty	Moderate	13:24	7.2	Surface	1.0	0.6	90	29.0	29.0	8.0	8.0	25.4	25.4	90.5	90.5	6.1	5.8	1.9	2.5	4	2	821493	810542
						1.0	0.7	97	28.9		8.0	8.0	25.4	25.4	90.5	90.5	6.1		2.0					
					Middle	3.6	0.6	112	28.8	28.8	7.9	7.9	25.8	25.8	82.0	81.9	5.5	5.3	2.6	2				
						3.6	0.6	109	28.8		7.9	7.9	25.8	25.8	81.7	81.9	5.5		2.7					
					Bottom	6.2	0.6	115	28.7	28.7	7.9	7.9	26.2	26.2	78.6	78.7	5.3	5.3	3.1	2				
						6.2	0.5	119	28.7		7.9	7.9	26.2	26.2	78.7	78.7	5.3		3.1					
IM12	Misty	Moderate	13:30	7.2	Surface	1.0	0.6	100	29.0	29.0	8.0	8.0	25.3	25.4	90.4	90.3	6.1	5.8	1.9	2.5	<2	2	821148	811541
						1.0	0.6	97	28.9		8.0	8.0	25.4	25.6	90.1	90.3	6.1		1.9					
					Middle	3.6	0.6	106	28.8	28.8	7.9	7.9	25.7	25.6	82.1	81.9	5.4	5.2	2.6	<2				
						3.6	0.6	108	28.8		7.9	7.9	25.4	25.6	81.6	81.9	5.4		2.7					
					Bottom	6.2	0.6	77	28.7	28.7	7.9	7.9	26.2	26.2	78.3	78.2	5.2	5.2	3.1	2				
						6.2	0.6	72	28.7		7.9	7.9	26.1	26.2	78.1	78.2	5.2		3.1					
SR1A	Misty	Moderate	13:53	4.0	Surface	1.0	-	90	28.9	28.9	7.9	7.9	26.3	26.3	83.3	83.4	5.6	5.6	2.6	2.8	3	3	819973	812664
						1.0	0.1	88	28.9		7.9	7.9	26.3	26.3	83.4	83.4	5.6		2.6					
					Middle	2.0	0.0	86	-	-	-	-	-	-	-	-	-	5.6	-	<2				
						2.0	0.0	80	-		-	-	-	-	-	-	-		-					
					Bottom	3.0	0.0	71	28.7	28.7	7.9	7.9	26.5	26.5	84.2	84.4	5.6	5.6	3.0	3				
						3.0	0.0	72	28.7		7.9	7.9	26.5	26.5	84.5	84.4	5.6		3.0					
SR2	Misty	Moderate	14:06	5.6	Surface	1.0	0.5	37	26.9	26.9	7.9	7.9	29.8	29.9	68.5	68.6	4.6	4.6	3.2	3.7	2	2	821481	814176
						1.0	0.5	38	26.8		7.9	7.9	30.0	29.9	68.7	68.6	4.6		3.2					
					Middle	-	0.6	39	-	-	-	-	-	-	-	-	-	4.2	-	<2				
						-	0.5	39	-		-	-	-	-	-	-	-		-					
					Bottom	4.6	0.5	39	26.8	26.9	7.9	7.9	30.2	30.1	61.7	61.9	4.2	4.2	4.1	<2				
						4.6	0.5	40	26.9		7.9	7.9	29.9	30.1	62.0	61.9	4.2		4.1					
SR3	Cloudy	Moderate	13:30	8.4	Surface	1.0	0.3	160	28.1	28.1	8.2	8.2	24.4	24.4	67.8	67.8	4.6	4.5	2.1	5.5	2	3	822143	807579
						1.0	0.4	155	28.1		8.2	8.2	24.4	24.4	67.8	67.8	4.6		2.1					
					Middle	4.2	0.4	133	27.2	27.2	8.3	8.3	27.2	27.2	63.4	63.4	4.3	4.1	6.4	2				
						4.2	0.4	133	27.2		8.3	8.3	27.2	27.2	63.4	63.4	4.3		6.6					
					Bottom	7.4	0.4	170	27.1	27.1	8.3	8.3	27.5	27.5	60.7	60.7	4.1	4.0	7.8	4				
						7.4	0.4	163	27.1		8.3	8.3	27.5	27.5	60.7	60.7	4.1		7.8					
SR4A	Cloudy	Moderate	15:05	8.3	Surface	1.0	0.0	7	27.9	27.9	8.2	8.2	25.2	25.2	67.8	67.8	4.6	4.5	4.7	8.3	<2	3	817207	807811
						1.0	0.0	1	27.9		8.2	8.2	25.2	25.2	67.8	67.8	4.6		4.4					
					Middle	4.2	0.0	359	27.4	27.4	8.2	8.2	27.0	27.0	63.3	63.3	4.3	4.0	9.9	2				
						4.2	-	357	27.4		8.2	8.2	27.0	27.0	63.3	63.3	4.3		9.8					
					Bottom	7.3	0.0	23	27.4	27.4	8.2	8.2	27.0	27.0	58.3	58.4	4.0	4.0	10.3	3				
						7.3	0.1	22	27.4		8.2	8.2	27.0	27.0	58.4	58.4	4.0		10.3					
SR8	Misty	Moderate	13:36	4.8	Surface	1.0	-	-	29.2	29.2	8.0	8.0	25.4	25.4	88.1	88.1	5.9	5.9	1.1	1.4	3	3	820409	811613
						1.0	-	-	29.1		8.0	8.0	25.4	25.4	88.0	88.1	5.9		1.1					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	5.5	-	<2				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	3.8	-	-	29.1	29.1	8.0	8.0	25.7	25.7	82.6	82.6	5.5	5.5	1.8	2				
						3.8	-	-	29.1		8.0	8.0	25.7	25.7	82.6	82.6	5.5		1.8					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	07:32	7.8	Surface	1.0	0.3	39	27.6	27.6	8.2	8.2	25.8	25.8	66.7	66.7	4.6	4.3	2.0	5.5	3	3	815617	804261	
						1.0	0.3	36	27.6	8.2	8.2	25.8	25.8	66.7	66.7	4.6	4.6	2.0	5.5	2					
					Middle	3.9	0.2	13	26.5	26.5	8.3	8.3	28.8	28.8	58.2	58.2	4.0	4.0	6.2	5.5	3				3
						3.9	0.2	13	26.5	26.5	8.3	8.3	28.8	28.8	58.2	58.2	4.0	4.0	6.2	5.5	2				
					Bottom	6.8	0.2	45	26.1	26.1	8.3	8.3	29.8	29.8	56.6	56.7	3.9	3.9	8.3	3.9	3				3
						6.8	0.2	47	26.1	26.1	8.3	8.3	29.8	29.8	56.8	56.7	3.9	3.9	8.3	3.9	2				
C2	Cloudy	Moderate	09:18	11.2	Surface	1.0	0.4	343	28.2	28.2	8.2	8.2	21.8	21.8	67.6	67.6	4.6	4.5	0.9	5.0	2	2	825703	806961	
						1.0	0.4	350	28.2	28.2	8.2	8.2	21.8	21.8	67.6	67.6	4.6	4.6	0.9	5.0	2				
					Middle	5.6	0.4	346	28.2	28.0	8.2	8.2	23.8	23.8	67.5	64.8	4.6	4.6	5.9	5.0	2				2
						5.6	0.4	343	27.7	28.0	8.2	8.2	23.8	23.8	62.0	64.8	4.2	4.2	6.1	5.0	2				
					Bottom	10.2	0.4	344	27.4	27.4	8.2	8.2	26.8	26.8	61.9	62.0	4.2	4.2	8.0	4.2	3				3
						10.2	0.4	350	27.4	27.4	8.2	8.2	26.8	26.8	62.0	62.0	4.2	4.2	8.3	4.2	3				
C3	Fine	Moderate	08:20	10.2	Surface	1.0	0.5	255	27.9	27.9	8.0	8.0	27.8	27.8	87.1	87.2	5.9	5.8	0.1	0.7	<2	2	822111	817812	
						1.0	0.5	250	27.9	27.9	8.0	8.0	27.8	27.8	87.2	87.2	5.9	5.8	0.1	0.7	<2				
					Middle	5.1	0.4	251	27.5	27.5	8.0	8.0	28.8	28.8	84.8	84.8	5.7	5.7	1.0	0.7	<2				2
						5.1	0.4	251	27.4	27.5	8.0	8.0	28.9	28.8	84.8	84.8	5.7	5.7	1.0	0.7	<2				
					Bottom	9.2	0.5	266	27.1	27.1	8.0	8.0	29.6	29.6	78.7	78.5	5.3	5.3	1.1	5.3	2				2
						9.2	0.4	273	27.1	27.1	8.0	8.0	29.6	29.6	78.3	78.5	5.3	5.3	1.1	5.3	2				
IM1	Cloudy	Moderate	07:59	6.3	Surface	1.0	0.2	4	27.7	27.7	8.2	8.2	25.7	25.6	67.8	67.9	4.6	4.5	2.2	5.6	3	2	818372	806473	
						1.0	0.2	0	27.7	27.7	8.2	8.2	25.6	25.6	68.0	67.9	4.6	4.6	2.1	5.6	2				
					Middle	3.2	0.2	24	27.0	27.0	8.3	8.3	27.6	27.5	63.4	63.4	4.3	4.3	5.9	5.6	2				2
						3.2	0.2	18	27.0	27.0	8.3	8.3	27.5	27.5	63.4	63.4	4.3	4.3	5.9	5.6	3				
					Bottom	5.3	0.2	23	26.2	26.2	8.3	8.3	29.7	29.7	55.7	55.8	3.8	3.8	9.0	3.8	2				2
						5.3	0.2	21	26.2	26.2	8.3	8.3	29.7	29.7	55.8	55.8	3.8	3.8	8.3	3.8	2				
IM2	Cloudy	Moderate	08:06	7.1	Surface	1.0	0.2	337	28.4	28.4	8.2	8.2	23.2	23.2	76.7	76.6	5.2	4.7	0.5	5.5	2	3	819190	806232	
						1.0	0.2	332	28.4	28.4	8.2	8.2	23.2	23.2	76.4	76.6	5.2	4.7	0.5	5.5	3				
					Middle	3.6	0.2	350	27.0	27.0	8.3	8.3	27.6	27.6	61.6	61.6	4.2	4.2	3.6	5.5	2				3
						3.6	0.2	347	27.0	27.0	8.3	8.3	27.6	27.6	61.5	61.6	4.2	4.2	3.6	5.5	4				
					Bottom	6.1	0.2	336	26.3	26.3	8.3	8.3	29.4	29.4	57.6	57.7	3.9	4.0	12.3	4.0	3				3
						6.1	0.2	336	26.3	26.3	8.3	8.3	29.4	29.4	57.7	57.7	4.0	4.0	12.6	4.0	4				
IM7	Cloudy	Moderate	08:40	8.0	Surface	1.0	0.2	331	27.5	27.5	8.2	8.2	26.4	26.4	69.4	69.4	4.7	4.5	3.3	7.9	3	2	821371	806819	
						1.0	0.1	337	27.5	27.5	8.2	8.2	26.4	26.4	69.4	69.4	4.7	4.5	3.4	7.9	2				
					Middle	4.0	0.2	313	26.9	26.9	8.3	8.3	28.0	28.0	62.1	62.1	4.2	4.2	7.1	7.9	2				2
						4.0	0.2	312	26.9	26.9	8.3	8.3	28.0	28.0	62.1	62.1	4.2	4.2	7.1	7.9	2				
					Bottom	7.0	0.2	332	26.7	26.7	8.3	8.3	28.5	28.5	59.1	59.2	4.0	4.0	13.2	4.0	2				2
						7.0	0.2	333	26.7	26.7	8.3	8.3	28.5	28.5	59.2	59.2	4.0	4.0	13.3	4.0	2				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	09:49	9.4	Surface	1.0	0.3	303	29.3	29.3	8.0	8.0	25.4	25.4	86.7	86.6	5.8	5.7	1.1	1.5	<2	2	822252	809845
						1.0	0.3	309	29.2		8.0	8.0	25.4	25.4	86.5	86.5	5.8		1.1		<2			
					Middle	4.7	0.3	302	28.8	28.8	7.9	7.9	26.0	26.0	81.5	81.5	5.5	5.4	1.2	2				
						4.7	0.3	294	28.7		7.9	7.9	26.0	26.0	81.4	81.4	5.5		1.2	2				
					Bottom	8.4	0.4	308	28.8	28.8	8.0	8.0	26.0	25.9	80.9	80.9	5.4	5.4	2.3	2				
						8.4	0.4	309	28.8		8.0	8.0	25.9	25.9	80.9	80.9	5.4		2.3	2				
IM11	Fine	Moderate	09:41	9.2	Surface	1.0	0.3	293	29.5	29.5	8.0	8.0	24.6	24.6	93.9	93.9	6.3	6.0	2.0	3.3	2	2	821509	810555
						1.0	0.3	297	29.4		8.0	8.0	24.6	24.6	93.8	93.8	6.3		2.0		2			
					Middle	4.6	0.3	281	28.7	28.7	7.9	7.9	25.9	26.0	83.2	83.1	5.6	5.2	3.0		2			
						4.6	0.3	283	28.7		7.9	7.9	26.0	26.0	83.0	83.0	5.6		3.0		2			
					Bottom	8.2	0.3	283	28.6	28.6	7.9	7.9	26.4	26.4	76.8	76.9	5.1	5.2	4.9		2			
						8.2	0.3	282	28.6		7.9	7.9	26.4	26.4	77.0	77.0	5.2		4.8		3			
IM12	Fine	Moderate	09:33	7.0	Surface	1.0	0.4	294	29.0	29.0	7.9	7.9	25.4	25.4	87.5	87.5	5.9	5.7	2.1	2.7	2	2	821184	811533
						1.0	0.4	287	29.0		7.9	7.9	25.4	25.4	87.5	87.5	5.9		2.2		2			
					Middle	3.5	0.4	278	28.6	28.6	7.9	7.9	26.2	26.2	80.4	80.4	5.4	5.0	2.3		2			
						3.5	0.4	274	28.6		7.9	7.9	26.2	26.2	80.4	80.4	5.4		2.3		2			
					Bottom	6.0	0.4	276	28.5	28.5	7.9	7.9	26.7	26.7	74.9	75.0	5.0	5.0	3.8		3			
						6.0	0.4	272	28.5		7.9	7.9	26.6	26.6	75.0	75.0	5.0		3.8		2			
SR1A	Fine	Moderate	09:05	5.0	Surface	1.0	-	195	28.5	28.5	7.9	7.9	26.7	26.7	81.5	81.5	5.5	5.5	1.2	1.5	<2	2	819976	812663
						1.0	0.0	194	28.5		7.9	7.9	26.8	26.8	81.5	81.5	5.5		1.1		<2			
					Middle	2.5	0.0	182	-	-	-	-	-	-	-	-	-	-	-		-			
						2.5	0.0	174	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.0	0.0	184	28.7	28.7	7.9	7.9	26.6	26.6	75.2	75.3	5.0	5.0	2.0		2			
						4.0	0.1	178	28.7		7.9	7.9	26.5	26.5	75.4	75.4	5.0		1.9		2			
SR2	Fine	Moderate	08:49	5.6	Surface	1.0	0.1	274	28.6	28.6	7.9	7.9	26.4	26.5	86.1	86.1	5.8	5.8	1.4	1.8	2	2	821467	814184
						1.0	0.1	268	28.5		7.9	7.9	26.5	26.5	86.0	86.0	5.8		1.5		2			
					Middle	-	0.1	271	-	-	-	-	-	-	-	-	-	-	-		-			
						-	0.2	272	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.6	0.0	264	28.0	28.0	8.0	8.0	27.8	27.7	75.5	75.5	5.1	5.1	2.1		2			
						4.6	0.1	268	28.0		8.0	8.0	27.7	27.7	75.5	75.5	5.1		2.1		2			
SR3	Cloudy	Moderate	08:49	8.4	Surface	1.0	0.2	344	28.0	28.0	8.2	8.2	24.8	24.8	69.8	69.8	4.7	4.6	1.3	6.2	<2	2	822166	807586
						1.0	0.2	343	28.0		8.2	8.2	24.8	24.8	69.8	69.8	4.7		1.4		<2			
					Middle	4.2	0.3	318	27.3	27.4	8.2	8.2	26.8	26.8	64.6	64.6	4.4	4.0	5.2		<2			
						4.2	0.3	311	27.4		8.2	8.2	26.8	26.8	64.6	64.6	4.4		4.8		<2			
					Bottom	7.4	0.2	321	27.0	27.0	8.3	8.3	27.6	27.6	58.1	58.2	4.0	4.0	12.4		3			
						7.4	0.2	320	27.0		8.3	8.3	27.6	27.6	58.2	58.2	4.0		12.3		2			
SR4A	Cloudy	Moderate	07:01	8.6	Surface	1.0	0.0	232	28.0	28.0	8.1	8.1	24.0	24.0	71.8	71.8	4.9	4.6	1.1	4.4	2	2	817172	807801
						1.0	0.0	226	28.0		8.1	8.1	24.0	24.0	71.7	71.7	4.9		1.1		2			
					Middle	4.3	0.1	222	27.6	27.6	8.1	8.1	26.1	26.1	63.4	63.4	4.3	4.2	3.9		3			
						4.3	0.1	224	27.6		8.1	8.1	26.1	26.1	63.3	63.3	4.3		4.0		2			
					Bottom	7.6	0.0	238	27.5	27.5	8.0	8.0	26.5	26.5	61.7	61.8	4.2	4.2	8.0		3			
						7.6	0.0	237	27.5		8.0	8.0	26.5	26.5	61.8	61.8	4.2		8.1		2			
SR8	Fine	Moderate	09:28	5.2	Surface	1.0	-	-	29.1	29.1	8.1	8.1	25.1	25.2	101.6	101.3	6.8	6.8	2.3	2.6	<2	2	820398	811620
						1.0	-	-	29.1		8.1	8.1	25.2	25.2	101.0	101.0	6.8		2.2		<2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-			
						-	-	-	-		-	-	-	-	-	-	-		-		-			
					Bottom	4.2	-	-	28.8	28.8	7.9	7.9	25.9	25.9	85.3	85.7	5.7	5.8	3.0		2			
						4.2	-	-	28.8		8.0	8.0	25.9	25.9	86.0	86.0	5.8		3.0		2			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	15:56	8.4	Surface	1.0	0.3	215	27.8	27.8	7.9	7.9	25.6	25.6	65.5	65.1	4.4	4.1	2.7	2.0	3	4	815622	804232
						1.0	0.3	214	27.8	7.9	7.9	25.6	64.6	4.4	2.0	3								
					Middle	4.2	0.3	198	27.7	27.7	7.9	7.9	25.9	26.0	58.8	56.0	4.0			2.3	5			
						4.2	0.4	199	27.6	7.9	7.9	26.0	53.2	3.6	2.3	5								
					Bottom	7.4	0.4	187	27.7	27.8	7.9	7.9	27.8	27.7	56.0	58.1	3.7			3.9	5			
						7.4	0.4	180	27.8	27.8	7.9	7.9	27.6	27.7	60.2	58.1	4.0			3.9	5			
C2	Fine	Moderate	14:43	11.0	Surface	1.0	0.3	155	28.0	28.0	7.8	7.8	24.7	24.7	58.0	57.9	3.9	3.6	2.3	1.6	2	3	825694	806951
						1.0	0.3	149	28.0	7.8	7.8	24.8	24.7	57.8	57.9	3.9	1.5			2				
					Middle	5.5	0.2	163	27.9	27.9	7.8	7.8	25.1	25.1	48.9	48.9	3.3			2.3	4			
						5.5	0.3	163	27.9	7.8	7.8	25.1	25.1	48.8	48.9	3.3	2.3			4				
					Bottom	10.0	0.2	149	27.9	27.9	7.8	7.8	25.1	25.0	49.9	50.4	3.4			3.0	4			
						10.0	0.2	142	27.9	27.9	7.8	7.8	25.0	25.0	50.8	50.4	3.4			3.0	4			
C3	Fine	Moderate	15:57	11.0	Surface	1.0	0.3	72	28.4	28.4	7.9	7.9	27.1	27.1	76.1	76.0	5.1	4.8	2.9	1.0	3	4	822122	817792
						1.0	0.3	74	28.4	28.4	7.9	7.9	27.1	27.1	75.9	76.0	5.1			1.0	4			
					Middle	5.5	0.4	71	26.4	26.4	7.9	7.9	30.5	30.5	65.4	65.4	4.4			3.2	4			
						5.5	0.3	67	26.4	26.4	7.9	7.9	30.5	30.5	65.4	65.4	4.4			3.2	4			
					Bottom	10.0	0.3	87	25.7	25.7	7.9	7.9	31.9	31.9	60.8	60.9	4.1			4.6	4			
						10.0	0.3	80	25.7	25.7	7.9	7.9	31.9	31.9	60.9	60.9	4.2			4.6	4			
IM1	Fine	Moderate	15:47	6.8	Surface	1.0	0.2	197	28.0	28.0	7.9	7.9	26.0	26.0	67.9	67.6	4.6	4.5	4.3	3.3	2	3	818360	806450
						1.0	0.2	199	27.9	27.9	7.9	7.9	26.0	26.0	67.2	67.6	4.5			3.2	2			
					Middle	3.4	0.2	178	27.9	27.9	7.9	7.9	26.2	26.2	63.1	61.2	4.4			3.9	4			
						3.4	0.2	178	27.8	27.9	7.9	7.9	26.2	26.2	59.3	61.2	4.5			3.9	3			
					Bottom	5.8	0.2	188	27.8	27.8	7.9	7.9	26.4	26.4	59.3	59.9	4.0			5.9	4			
						5.8	0.2	190	27.8	27.8	7.9	7.9	26.3	26.4	60.4	59.9	4.1			5.9	5			
IM2	Fine	Moderate	15:40	7.0	Surface	1.0	0.2	175	28.1	28.1	7.9	7.9	25.9	25.9	76.0	75.8	5.1	4.8	2.8	1.0	2	4	819161	806218
						1.0	0.3	170	28.1	28.1	7.9	7.9	25.9	25.9	75.5	75.8	5.1			1.0	2			
					Middle	3.5	0.2	170	27.9	27.9	7.9	7.9	26.1	26.1	68.1	65.5	4.6			3.0	3			
						3.5	0.2	172	27.9	27.9	7.9	7.9	26.2	26.1	62.8	65.5	4.2			3.0	4			
					Bottom	6.0	0.2	168	27.9	28.0	7.9	7.9	26.1	26.0	67.3	68.8	4.5			4.4	5			
						6.0	0.2	173	28.0	28.0	7.9	7.9	26.0	26.0	70.3	68.8	4.7			4.4	5			
IM7	Fine	Moderate	15:19	9.4	Surface	1.0	0.2	161	28.2	28.2	7.8	7.8	24.7	24.8	62.4	62.3	4.6	4.6	2.2	1.4	3	4	821351	806812
						1.0	0.2	164	28.1	28.2	7.8	7.8	24.9	24.8	62.2	62.3	4.6			1.4	2			
					Middle	4.7	0.2	139	28.0	28.0	7.8	7.8	25.4	25.4	57.4	57.2	4.5			2.0	4			
						4.7	0.2	132	28.0	28.0	7.8	7.8	25.5	25.4	56.9	57.2	4.6			2.0	3			
					Bottom	8.4	0.2	144	28.0	28.0	7.8	7.8	25.9	25.8	61.1	63.8	4.1			3.1	4			
						8.4	0.2	143	28.0	28.0	7.8	7.8	25.7	25.8	66.5	63.8	4.5			3.1	5			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Fine	Moderate	14:36	7.8	Surface	1.0	0.3	90	28.1	28.1	7.9	7.9	28.0	28.0	76.1	76.1	5.1	5.0	1.4	2.5	3	822240	809838	
						1.0	0.3	87	28.1	28.1	7.9	7.9	28.0	28.0	76.0	76.1	5.1							
					Middle	3.9	0.2	102	26.3	26.3	7.9	7.9	30.7	30.7	70.6	70.7	4.8							2.0
						3.9	0.2	101	26.3	26.3	7.9	7.9	30.8	30.7	70.8	70.7	4.8							
					Bottom	6.8	0.3	95	26.1	26.1	7.9	7.9	31.2	31.2	71.9	72.2	4.9							4.1
						6.8	0.3	91	26.1	26.1	7.9	7.9	31.2	31.2	72.4	72.2	4.9							
IM11	Fine	Moderate	14:52	6.8	Surface	1.0	0.4	78	28.2	28.2	7.9	7.9	27.3	27.3	74.7	74.6	5.0	4.8	1.3	1.6	3	821507	810551	
						1.0	0.4	70	28.2	28.2	7.9	7.9	27.3	27.3	74.5	74.6	5.0							
					Middle	3.4	0.4	87	26.4	26.4	7.9	7.9	30.6	30.6	67.3	67.3	4.6							1.6
						3.4	0.4	89	26.4	26.4	7.9	7.9	30.6	30.6	67.3	67.3	4.6							
					Bottom	5.8	0.3	81	26.2	26.2	7.9	7.9	31.0	31.0	68.0	68.1	4.6							1.9
						5.8	0.3	74	26.2	26.2	7.9	7.9	31.0	31.0	68.2	68.1	4.6							
IM12	Fine	Moderate	14:59	7.2	Surface	1.0	0.4	86	28.3	28.3	7.9	7.9	27.3	27.3	73.9	73.8	5.0	4.7	1.3	1.5	3	821172	811502	
						1.0	0.4	85	28.3	28.3	7.9	7.9	27.3	27.3	73.7	73.8	4.9							
					Middle	3.6	0.4	82	26.3	26.3	7.9	7.9	30.7	30.7	65.7	65.7	4.5							1.4
						3.6	0.4	76	26.3	26.3	7.9	7.9	30.7	30.7	65.7	65.7	4.5							
					Bottom	6.2	0.4	104	26.2	26.2	7.9	7.9	31.0	31.0	65.9	66.1	4.5							1.7
						6.2	0.4	102	26.2	26.2	7.9	7.9	31.0	31.0	66.2	66.1	4.5							
SR1A	Fine	Moderate	15:21	4.0	Surface	1.0	0.0	146	27.3	27.3	7.9	7.9	28.8	28.8	69.8	69.9	4.7	4.7	1.2	1.3	3	819976	812661	
						1.0	0.0	145	27.3	27.3	7.9	7.9	28.8	28.8	69.9	69.9	4.7							
					Middle	2.0	0.0	119	-	-	-	-	-	-	-	-	-							-
						2.0	0.1	124	-	-	-	-	-	-	-	-	-							
					Bottom	3.0	-	123	26.4	26.4	7.9	7.9	30.6	30.6	66.9	66.9	4.5							1.5
						3.0	0.1	125	26.4	26.4	7.9	7.9	30.6	30.6	66.9	66.9	4.5							
SR2	Fine	Moderate	15:34	5.4	Surface	1.0	0.4	45	28.3	28.3	7.9	7.9	27.2	27.2	75.8	75.8	5.1	5.1	1.1	2.1	3	821456	814175	
						1.0	0.3	46	28.3	28.3	7.9	7.9	27.2	27.2	75.7	75.8	5.1							
					Middle	-	0.4	40	-	-	-	-	-	-	-	-	-							-
						-	0.3	47	-	-	-	-	-	-	-	-	-							
					Bottom	4.4	0.4	33	26.4	26.4	7.9	7.9	30.6	30.6	65.7	65.7	4.5							3.1
						4.4	0.5	40	26.4	26.4	7.9	7.9	30.7	30.6	65.7	65.7	4.5							
SR3	Fine	Moderate	15:13	8.3	Surface	1.0	0.3	176	28.2	28.2	7.8	7.8	24.4	24.4	61.6	61.7	4.6	4.5	1.0	2.2	3	822150	807557	
						1.0	0.3	173	28.2	28.2	7.8	7.8	24.4	24.4	61.8	61.7	4.5							
					Middle	4.2	0.3	144	28.2	28.2	7.8	7.8	24.4	24.4	62.7	62.8	4.5							2.4
						4.2	0.3	142	28.2	28.2	7.8	7.8	24.4	24.4	62.8	62.8	4.5							
					Bottom	7.3	0.3	162	28.2	28.2	7.8	7.8	24.3	24.3	65.2	65.6	4.4							3.1
						7.3	0.3	162	28.2	28.2	7.8	7.8	24.3	24.3	65.9	65.6	4.5							
SR4A	Fine	Moderate	16:07	9.0	Surface	1.0	0.0	87	28.3	28.3	7.9	7.9	25.6	25.6	74.3	74.3	5.0	5.0	1.1	2.4	4	817178	807820	
						1.0	0.0	90	28.3	28.3	7.9	7.9	25.6	25.6	74.3	74.3	5.0							
					Middle	4.5	0.0	67	28.3	28.3	7.9	7.9	25.6	25.6	74.6	74.7	5.0							2.3
						4.5	0.1	71	28.3	28.3	7.9	7.9	25.6	25.6	74.8	74.7	5.0							
					Bottom	8.0	0.1	71	28.3	28.3	7.9	7.9	25.6	25.5	76.0	76.2	5.1							3.6
						8.0	0.0	65	28.3	28.3	7.9	7.9	25.5	25.5	76.3	76.2	5.1							
SR8	Fine	Moderate	15:04	5.6	Surface	1.0	-	-	28.2	28.2	7.9	7.9	27.3	27.3	73.6	73.6	4.9	4.9	1.4	1.5	3	820375	811617	
						1.0	-	-	28.2	28.2	7.9	7.9	27.3	27.3	73.6	73.6	4.9							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							-
						-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.6	-	-	26.3	26.3	7.9	7.9	30.9	30.9	66.5	66.6	4.5							1.7
						4.6	-	-	26.3	26.3	7.9	7.9	30.9	30.9	66.6	66.6	4.5							

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Water Quality Monitoring

Water Quality Monitoring Results on 22 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	10:46	8.2	Surface	1.0	0.4	33	27.7	27.7	7.8	7.8	26.2	26.2	62.3	60.5	4.2	4.0	1.3	2.2	3	3	815632	804245		
						1.0	0.4	26	27.6		7.8	7.8	26.2	26.2	58.6	60.5	4.0		1.4		4					
					Middle	4.1	0.4	29	27.5	27.5	7.8	7.8	26.3	26.3	57.0	56.8	3.9	4.0	2.2	2.2	4				3	
						4.1	0.4	32	27.5		7.8	7.8	26.4	26.3	56.5	56.8	3.8		2.3		3					
					Bottom	7.2	0.4	46	27.5	27.5	7.8	7.8	26.4	26.4	57.7	58.4	3.9	4.0	3.0	4.0	3					3
						7.2	0.3	52	27.5		7.8	7.8	26.3	26.4	59.1	58.4	4.0		3.0		2					
C2	Fine	Moderate	11:51	10.0	Surface	1.0	0.4	8	28.1	28.1	7.8	7.8	24.5	24.6	62.0	61.5	4.2	4.1	1.6	2.3	6	5	825680	806923		
						1.0	0.5	4	28.0		7.8	7.8	24.6	24.6	61.0	61.5	4.1		1.6		5					
					Middle	5.0	0.4	349	27.9	27.9	7.8	7.8	24.9	25.0	60.2	60.2	4.1	4.1	2.0	2.3	5				5	
						5.0	0.4	345	27.9		7.8	7.8	25.0	25.0	60.1	60.2	4.1		2.1		4					
					Bottom	9.0	0.4	333	27.8	27.8	7.8	7.8	25.4	25.5	59.8	59.8	4.0	4.0	3.2	4.0	4					4
						9.0	0.4	334	27.8		7.8	7.8	25.5	25.5	59.8	59.8	4.0		3.2		3					
C3	Fine	Moderate	10:41	10.0	Surface	1.0	0.5	268	27.5	27.5	7.9	7.9	27.7	27.8	69.8	69.8	4.7	4.6	1.1	1.9	5	4	822093	817805		
						1.0	0.5	272	27.5		7.9	7.9	27.8	27.8	69.8	69.8	4.7		1.1		6					
					Middle	5.0	0.4	248	26.9	26.9	7.9	7.9	29.0	29.0	64.9	64.9	4.4	4.4	1.2	1.9	4				4	
						5.0	0.4	243	26.9		7.9	7.9	29.0	29.0	64.9	64.9	4.4		1.2		4					
					Bottom	9.0	0.4	279	25.7	25.7	7.9	7.9	31.7	31.7	59.8	59.8	4.1	4.1	3.4	4.1	4					4
						9.0	0.4	273	25.7		7.9	7.9	31.7	31.7	59.7	59.8	4.1		3.6		3					
IM1	Fine	Moderate	10:58	6.0	Surface	1.0	0.4	357	27.9	27.9	7.9	7.9	25.9	25.9	69.4	68.7	5.3	5.2	1.2	3.0	2	2	818355	806460		
						1.0	0.5	2	27.9		7.9	7.9	26.0	25.9	68.0	68.7	5.3		1.2		2					
					Middle	3.0	0.3	13	27.7	27.7	7.8	7.8	26.2	26.2	61.6	61.7	5.0	4.7	3.2	3.0	2				2	
						3.0	0.4	12	27.7		7.8	7.8	26.2	26.2	61.8	61.7	5.0		3.2		2					
					Bottom	5.0	0.4	346	27.7	27.7	7.8	7.8	26.2	26.1	66.1	66.7	4.8	4.8	4.5	4.8	3					3
						5.0	0.3	349	27.7		7.8	7.8	26.1	26.1	67.3	66.7	4.8		4.4		2					
IM2	Fine	Moderate	11:04	7.6	Surface	1.0	0.3	358	27.9	27.9	7.9	7.9	26.2	26.2	70.9	70.3	5.0	4.7	2.8	3.2	5	4	819193	806249		
						1.0	0.4	2	27.8		7.9	7.9	26.3	26.2	69.7	70.3	5.0		2.7		4					
					Middle	3.8	0.3	1	27.7	27.7	7.9	7.9	26.7	26.7	59.3	59.1	4.5	4.5	3.3	3.2	3				3	
						3.8	0.4	3	27.7		7.9	7.9	26.7	26.7	58.9	59.1	4.1		3.3		3					
					Bottom	6.6	0.3	25	27.7	27.7	7.8	7.8	26.9	26.9	55.4	56.5	4.4	4.5	3.7	4.5	3					3
						6.6	0.3	25	27.7		7.8	7.8	26.8	26.9	57.6	56.5	4.6		3.7		3					
IM7	Fine	Moderate	11:26	8.2	Surface	1.0	0.1	340	28.2	28.2	7.8	7.8	24.5	24.5	61.4	61.4	5.3	5.3	1.1	1.9	5	4	821343	806855		
						1.0	0.2	343	28.2		7.8	7.8	24.5	24.5	61.4	61.4	5.3		1.1		4					
					Middle	4.1	0.2	334	28.2	28.2	7.8	7.8	24.5	24.5	60.9	60.8	5.2	5.2	1.4	1.9	4				4	
						4.1	0.2	334	28.2		7.8	7.8	24.6	24.5	60.6	60.8	5.2		1.4		4					
					Bottom	7.2	0.1	9	28.2	28.2	7.8	7.8	24.5	24.4	61.6	63.4	4.2	4.3	3.2	4.3	2					2
						7.2	0.1	5	28.2		7.8	7.8	24.4	24.4	65.2	63.4	4.4		3.2		4					

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Water Quality Monitoring

Water Quality Monitoring Results on 22 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA											
IM10	Fine	Moderate	11:54	9.4	Surface	1.0	0.3	294	29.2	7.9	7.9	21.9	21.8	83.4	83.5	5.7	5.3	1.7	2.8	4	3	822230	809849										
						1.0	0.3	289	29.1	7.9	21.8	83.6	83.5	5.7	1.8	4																	
					Middle	4.7	0.3	313	28.3	7.8	7.8	26.2	26.2	72.4	72.5	4.9		2.4		3													
						4.7	0.3	317	28.3	7.8	7.8	26.2	26.2	72.5	72.5	4.9		2.4		2													
					Bottom	8.4	0.3	312	27.5	7.8	7.8	27.8	27.8	64.4	64.5	4.4		4.1		2													
						8.4	0.3	318	27.5	7.8	7.8	27.8	27.8	64.5	64.5	4.4		4.1		3													
					IM11	Fine	Moderate	11:47	9.2	Surface	1.0	0.3	275	27.7	7.8	7.8		27.2		27.2				66.6	66.5	7.7	7.3	3.8	4.5	3	4	821490	810550
											1.0	0.4	267	27.6	7.8	7.8		27.2		27.2				66.4	66.5	7.6							
Middle	4.6	0.3	270	27.4						7.8	7.8	27.9	27.9	64.4	64.5	7.0	4.3	3															
	4.6	0.3	270	27.4						7.8	7.8	27.9	27.9	64.5	64.5	7.0	4.3	4															
Bottom	8.2	0.3	282	27.3						7.8	7.8	28.1	28.1	65.7	65.8	4.5	5.5	4															
	8.2	0.3	274	27.3						7.8	7.8	28.1	28.1	65.8	65.8	4.5	5.4	4															
IM12	Fine	Moderate	11:41	8.0						Surface	1.0	0.3	285	28.2	7.8	7.8	25.6	25.6	74.3	74.3	5.0	4.7	2.2	4.3	5	3		821162		811506			
											1.0	0.3	288	28.2	7.8	7.8	25.6	25.6	74.3	74.3	5.0												
					Middle	4.0	0.4	286	27.1	7.8	7.8	28.4	28.4	63.2	63.3	4.3	4.3	3															
						4.0	0.4	278	27.1	7.8	7.8	28.4	28.4	63.3	63.3	4.3	4.3	4															
					Bottom	7.0	0.4	297	27.1	7.8	7.8	28.6	28.6	65.7	65.8	4.5	6.1	2															
						7.0	0.3	303	27.1	7.8	7.8	28.6	28.6	65.9	65.8	4.5	6.1	2															
					SR1A	Fine	Moderate	11:14	4.6	Surface	1.0	0.0	178	28.3	7.8	7.8	26.0	26.0	70.3	70.3	4.7		4.7		6.6		7.0		2		2	819983	812656
											1.0	0.1	178	28.3	7.8	7.8	26.1	26.0	70.3	70.3	4.7												
Middle	2.3	0.0	193	-						-	-	-	-	-	-	-	-	-	-														
	2.3	-	191	-						-	-	-	-	-	-	-	-	-	-														
Bottom	3.6	0.0	166	28.2						7.8	7.8	26.3	26.2	72.2	72.3	4.9	7.6	3															
	3.6	0.0	160	28.2						7.8	7.8	26.2	26.2	72.4	72.3	4.9	7.6	2															
SR2	Fine	Moderate	11:00	4.4						Surface	1.0	0.1	267	27.8	7.9	7.9	26.8	26.8	70.8	70.8	4.8	4.8		2.3	2.6	3		3	821442	814184			
											1.0	0.1	261	27.8	7.9	7.9	26.9	26.8	70.8	70.8	4.8												
					Middle	-	0.2	269	-	-	-	-	-	-	-	-	-	-	-														
						-	0.1	264	-	-	-	-	-	-	-	-	-	-	-														
					Bottom	3.4	0.1	253	27.7	7.9	7.9	27.1	27.1	73.0	73.1	4.9	2.9	3															
						3.4	0.1	249	27.7	7.9	7.9	27.1	27.1	73.1	73.1	4.9	2.9	4															
					SR3	Fine	Moderate	11:32	7.5	Surface	1.0	0.2	340	28.2	7.8	7.8	24.4	24.4	62.1	62.3	4.5		4.5	1.1		2.9	<2				3	822125	807589
											1.0	0.2	345	28.2	7.8	7.8	24.4	24.4	62.4	62.3	4.6												
Middle	3.8	0.3	337	28.1						7.8	7.8	24.4	24.4	63.0	63.1	4.5	3.2	2															
	3.8	0.3	338	28.1						7.8	7.8	24.4	24.4	63.1	63.1	4.5	3.2	3															
Bottom	6.5	0.3	322	28.2						7.8	7.8	24.3	24.2	65.3	65.7	4.4	4.3	3															
	6.5	0.2	316	28.2						7.8	7.8	24.2	24.2	66.1	65.7	4.5	4.3	3															
SR4A	Fine	Moderate	10:30	10.0						Surface	1.0	0.0	136	28.2	7.9	7.9	24.5	24.6	62.4	62.5	4.5	4.5		3.1	4.1		2	3	817184	807792			
											1.0	0.0	133	28.2	7.9	7.9	24.6	24.6	62.5	62.5	4.5												
					Middle	5.0	0.0	148	28.1	7.9	7.9	24.8	24.8	62.9	63.0	4.6	4.2	2															
						5.0	0.0	142	28.1	7.9	7.9	24.9	24.8	63.0	63.0	4.5	4.2	3															
					Bottom	9.0	0.0	125	28.1	7.9	7.9	25.1	25.1	63.3	63.3	4.3	5.0	4															
						9.0	0.1	126	28.1	7.9	7.9	25.1	25.1	63.3	63.3	4.3	5.0	3															
					SR8	Fine	Moderate	11:36	4.8	Surface	1.0	-	-	28.7	7.8	7.8	25.3	25.3	73.2	73.2	4.9		4.9	2.6		4.7	3				2	820368	811640
											1.0	-	-	28.7	7.8	7.8	25.3	25.3	73.1	73.2	4.9												
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-															
	-	-	-	-						-	-	-	-	-	-	-	-	-															
Bottom	3.8	-	-	27.0						7.8	7.8	28.7	28.7	64.4	64.5	4.4	6.6	2															
	3.8	-	-	27.0						7.8	7.8	28.7	28.7	64.6	64.5	4.4	6.7	2															

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	17:48	8.5	Surface	1.0	0.2	200	29.1	29.1	8.0	8.0	26.4	26.4	93.4	93.4	6.2	5.4	2.0	4.3	4	3	815641	804256
						1.0	0.2	194	29.0	8.0	26.4	93.4	6.2	3										
					Middle	4.3	0.1	223	27.9	27.9	8.0	8.0	29.7	29.7	69.3	69.3	4.6	3.1	3					
						4.3	0.1	218	27.9	8.1	8.0	29.7	69.3	4.6	3.4	2								
					Bottom	7.5	0.2	210	27.3	27.3	8.1	8.1	31.4	31.4	57.7	57.8	3.8	7.5	<2					
						7.5	0.3	210	27.3	8.1	8.1	31.4	31.4	57.8	57.8	3.8	7.6	<2						
C2	Cloudy	Moderate	16:17	11.8	Surface	1.0	0.1	189	29.1	29.1	8.0	8.0	18.9	18.9	87.9	88.0	6.1	5.8	3.0	5.9	2	3	825661	806964
						1.0	0.1	184	29.1	8.0	18.8	88.1	6.1	3.2	3									
					Middle	5.9	0.0	187	28.7	28.7	8.0	8.0	24.9	24.9	81.8	82.0	5.5	6.8	3					
						5.9	0.1	193	28.7	8.0	8.0	25.0	82.2	5.5	6.9	2								
					Bottom	10.8	0.0	190	28.6	28.7	8.0	8.0	28.2	28.2	70.3	70.5	4.7	7.7	3					
						10.8	0.0	188	28.7	8.0	8.0	28.2	28.2	70.7	70.5	4.7	7.6	4						
C3	Misty	Moderate	17:36	10.2	Surface	1.0	0.2	57	28.6	28.6	7.9	7.9	25.0	25.0	79.5	79.4	5.4	5.0	1.5	3.4	3	3	822092	817802
						1.0	0.2	57	28.6	7.9	7.9	25.0	79.3	5.3	1.5	3								
					Middle	5.1	0.2	59	26.6	26.6	7.9	7.9	28.4	28.4	68.8	68.8	4.7	3.7	2					
						5.1	0.2	62	26.6	7.9	7.9	28.4	28.4	68.8	68.8	4.7	3.7	4						
					Bottom	9.2	0.1	67	25.9	25.9	7.9	7.9	29.8	29.8	64.2	64.3	4.4	5.0	4					
						9.2	0.1	68	25.9	7.9	7.9	29.8	29.8	64.3	64.3	4.4	5.0	4						
IM1	Cloudy	Moderate	17:23	6.8	Surface	1.0	0.1	191	29.0	29.0	8.0	8.0	24.8	24.8	78.8	78.8	5.3	4.9	4.4	6.0	2	4	818327	806442
						1.0	0.2	194	29.0	8.0	24.8	78.8	5.3	4.5	4									
					Middle	3.4	0.1	202	27.7	27.7	8.1	8.1	28.8	28.8	66.3	66.3	4.4	2.0	4					
						3.4	0.1	204	27.7	8.1	8.1	28.9	28.8	66.3	66.3	4.5	2.0	3						
					Bottom	5.8	0.1	192	27.4	27.4	8.1	8.1	30.2	30.2	55.9	55.9	3.7	11.8	4					
						5.8	0.1	197	27.4	8.1	8.1	30.2	30.2	55.9	55.9	3.7	11.5	5						
IM2	Cloudy	Moderate	17:18	7.2	Surface	1.0	0.0	195	28.3	28.3	8.0	8.0	24.3	24.3	82.8	82.8	5.6	5.1	3.6	7.4	4	3	819195	806235
						1.0	0.1	196	28.3	8.0	24.3	82.8	5.6	3.6	4									
					Middle	3.6	0.1	181	27.5	27.5	8.1	8.1	30.0	30.0	67.2	67.4	4.5	8.3	3					
						3.6	0.1	182	27.4	8.1	8.1	30.0	30.0	67.6	67.4	4.5	8.6	4						
					Bottom	6.2	0.1	201	27.3	27.3	8.1	8.1	30.2	30.2	58.0	58.1	3.9	10.2	2					
						6.2	0.1	193	27.3	8.1	8.1	30.2	30.2	58.1	58.1	3.9	10.2	3						
IM7	Cloudy	Moderate	16:49	8.1	Surface	1.0	0.0	173	28.7	28.7	8.0	8.0	25.6	25.6	84.8	84.9	4.6	4.6	2.5	7.4	4	4	821345	806835
						1.0	0.0	165	28.7	8.0	25.6	84.9	4.6	2.5	2									
					Middle	4.1	0.1	191	27.8	27.8	8.0	8.0	29.3	29.3	77.0	77.0	4.5	9.7	4					
						4.1	0.2	188	27.8	8.0	8.0	29.3	29.3	77.0	77.0	4.6	9.3	5						
					Bottom	7.1	0.1	189	27.8	27.8	8.0	8.0	30.3	30.3	62.1	62.4	4.1	10.2	5					
						7.1	0.1	194	27.8	8.0	8.0	30.3	30.3	62.6	62.4	4.1	10.3	4						

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Misty	Moderate	16:15	8.0	Surface	1.0	0.1	99	28.3	28.3	7.9	7.9	25.9	25.9	79.5	79.5	5.4	5.2	1.8	2.9	5	4	822245	809850
						1.0	0.1	97	28.3	7.9	7.9	25.9	25.9	79.4	79.4	5.3	1.9							
					Middle	4.0	0.1	99	26.5	26.5	7.9	7.9	28.5	28.6	74.0	74.1	5.1	2.5	3					
						4.0	0.2	101	26.5	7.9	7.9	28.7	28.6	74.2	74.1	5.1	2.5	4						
					Bottom	7.0	0.1	92	26.3	26.3	7.9	7.9	29.1	29.1	75.3	75.6	5.1	4.5	4					
						7.0	0.0	96	26.3	7.9	7.9	29.1	29.1	75.8	75.6	5.2	4.5	3						
IM11	Misty	Moderate	16:31	7.2	Surface	1.0	0.2	73	28.4	28.4	7.9	7.9	25.2	25.2	78.1	78.0	5.3	5.1	1.7	2.0	3	3	821499	810556
						1.0	0.2	75	28.4	7.9	7.9	25.2	25.2	77.9	78.0	5.3	1.7							
					Middle	3.6	0.1	92	26.6	26.6	7.9	7.9	28.5	28.5	70.7	70.7	4.8	2.0	3					
						3.6	0.1	85	26.6	7.9	7.9	28.5	28.5	70.7	70.7	4.8	2.0	4						
					Bottom	6.2	0.2	95	26.4	26.4	7.9	7.9	28.9	28.9	71.4	71.5	4.9	2.3	3					
						6.2	0.1	97	26.4	7.9	7.9	28.9	28.9	71.6	71.5	4.9	2.3	3						
IM12	Misty	Moderate	16:38	7.0	Surface	1.0	0.2	97	28.5	28.5	7.9	7.9	25.2	25.1	77.3	77.2	5.2	5.0	1.7	1.9	3	3	821178	811520
						1.0	0.2	104	28.5	7.9	7.9	25.1	25.1	77.1	77.2	5.2	1.8							
					Middle	3.5	0.2	97	26.5	26.5	7.9	7.9	28.5	28.6	69.1	69.1	4.7	1.9	3					
						3.5	0.2	91	26.5	7.9	7.9	28.6	28.6	69.1	69.1	4.7	1.9	2						
					Bottom	6.0	0.2	99	26.4	26.4	7.9	7.9	28.9	28.9	69.3	69.5	4.7	2.1	2					
						6.0	0.2	96	26.4	7.9	7.9	28.9	28.9	69.6	69.5	4.8	2.1	2						
SR1A	Misty	Moderate	17:00	4.0	Surface	1.0	-	151	27.5	27.5	7.9	7.9	26.7	26.7	73.2	73.3	5.0	5.0	1.7	1.8	4	4	819982	812655
						1.0	0.0	146	27.5	7.9	7.9	26.7	26.7	73.3	73.3	5.0	1.7							
					Middle	2.0	0.0	171	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.0	-	168	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.0	0.1	158	26.6	26.6	7.9	7.9	28.5	28.5	70.3	70.3	4.8	1.9	4					
						3.0	0.1	158	26.6	7.9	7.9	28.5	28.5	70.3	70.3	4.8	1.9	3						
SR2	Misty	Moderate	17:13	5.4	Surface	1.0	0.3	25	28.5	28.5	7.9	7.9	25.1	25.1	79.2	79.2	5.3	5.3	1.6	2.0	4	3	821470	814162
						1.0	0.3	18	28.5	7.9	7.9	25.1	25.1	79.1	79.2	5.3	1.6							
					Middle	-	0.3	37	-	-	-	-	-	-	-	-	-	-	-	-				
						-	0.2	36	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.4	0.2	13	26.6	26.6	7.9	7.9	28.5	28.5	69.1	69.1	4.7	2.4	3					
						4.4	0.2	8	26.6	7.9	7.9	28.5	28.5	69.1	69.1	4.7	2.4	3						
SR3	Cloudy	Moderate	16:40	8.9	Surface	1.0	0.2	170	29.3	29.3	8.1	8.1	20.9	20.9	91.6	91.6	4.6	4.5	1.4	4.8	2	3	822124	807553
						1.0	0.2	175	29.3	8.1	8.1	20.9	20.9	91.6	91.6	4.5	1.4							
					Middle	4.5	0.2	166	28.4	28.4	8.1	8.1	28.7	28.7	69.6	69.6	4.5	5.7	2					
						4.5	0.2	162	28.4	8.1	8.1	28.7	28.7	69.6	69.6	4.5	5.9	3						
					Bottom	7.9	0.2	157	28.3	28.3	8.1	8.1	29.0	29.0	61.4	61.4	4.1	7.1	3					
						7.9	0.3	151	28.3	8.1	8.1	29.0	29.0	61.4	61.4	4.1	7.1	3						
SR4A	Cloudy	Moderate	18:16	8.8	Surface	1.0	0.0	101	29.1	29.1	8.0	8.0	26.7	26.7	88.4	88.4	5.8	5.0	4.0	7.6	4	3	817183	807825
						1.0	0.1	102	29.1	8.0	8.0	26.7	26.7	88.4	88.4	5.8	3.7							
					Middle	4.4	0.0	78	28.6	28.6	8.1	8.1	28.5	28.5	64.2	64.2	4.2	9.2	3					
						4.4	0.0	84	28.6	8.1	8.1	28.5	28.5	64.2	64.2	4.2	9.1	3						
					Bottom	7.8	0.0	80	28.6	28.6	8.1	8.1	28.5	28.5	55.4	55.4	3.7	9.6	3					
						7.8	0.1	84	28.6	8.1	8.1	28.5	28.5	55.4	55.4	3.7	9.6	2						
SR8	Misty	Moderate	16:43	5.8	Surface	1.0	-	-	28.4	28.4	7.9	7.9	25.2	25.2	77.0	77.0	5.2	5.2	1.8	2.4	3	3	820388	811623
						1.0	-	-	28.4	7.9	7.9	25.2	25.2	77.0	77.0	5.2	1.9							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.8	-	-	26.5	26.5	7.9	7.9	28.8	28.8	69.9	70.0	4.8	3.0	3					
						4.8	-	-	26.5	7.9	7.9	28.8	28.8	70.0	70.0	4.8	3.0	3						

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	11:34	8.4	Surface	1.0	0.2	40	28.4	28.4	8.0	8.0	27.6	27.6	91.5	91.5	6.1	5.2	2.8	6.3	2	2	815623	804234
						1.0	0.2	37	28.4	8.0	27.6	91.5	91.5	6.1	2.8	3								
					Middle	4.2	0.1	51	27.3	27.3	8.1	8.1	30.6	30.6	63.0	63.0	4.2	7.0	3					
						4.2	0.2	56	27.3	27.3	8.1	8.1	30.6	30.6	63.0	63.0	4.2	7.0	2					
					Bottom	7.4	0.2	59	27.1	27.1	8.1	8.1	31.6	31.6	58.4	58.4	3.9	9.1	2					
						7.4	0.2	54	27.1	27.1	8.1	8.1	31.6	31.6	58.4	58.4	3.9	9.1	2					
C2	Cloudy	Moderate	13:21	11.2	Surface	1.0	0.4	357	28.8	28.8	7.9	7.9	19.8	19.8	86.7	86.8	6.0	5.8	1.7	1.8	3	3	825700	806935
						1.0	0.4	355	28.8	28.8	7.9	7.9	19.8	19.8	86.9	86.8	6.0		1.7		4			
					Middle	5.6	0.4	2	28.7	28.8	7.9	7.9	20.1	20.1	80.6	80.8	5.6	1.8	4					
						5.6	0.3	4	28.8	28.8	7.9	7.9	20.0	20.1	81.0	80.8	5.6	1.8	2					
					Bottom	10.2	0.3	0	28.1	28.1	7.9	7.9	23.8	23.8	69.1	69.3	4.7	1.8	3					
						10.2	0.3	355	28.1	28.1	7.9	7.9	23.9	23.8	69.5	69.3	4.7	1.8	3					
C3	Misty	Moderate	10:57	10.2	Surface	1.0	0.3	285	27.7	27.7	7.9	7.9	25.6	25.6	73.2	73.2	5.0	4.9	1.6	2.7	4	3	822126	817799
						1.0	0.4	283	27.7	27.7	7.9	7.9	25.7	25.6	73.2	73.2	5.0		1.6		3			
					Middle	5.1	0.4	285	27.1	27.1	7.9	7.9	26.9	26.9	68.3	68.3	4.7	2.7	3					
						5.1	0.3	290	27.1	27.1	7.9	7.9	26.9	26.9	68.3	68.3	4.7	2.7	4					
					Bottom	9.2	0.4	272	25.9	25.9	7.9	7.9	29.6	29.6	63.2	63.2	4.3	3.9	3					
						9.2	0.4	278	25.9	25.9	7.9	7.9	29.6	29.6	63.1	63.2	4.3	3.9	3					
IM1	Rainy	Moderate	12:03	6.4	Surface	1.0	0.2	3	28.7	28.7	8.0	8.0	22.3	22.3	91.6	91.6	5.3	5.2	3.3	6.3	2	2	818373	806450
						1.0	0.2	8	28.7	28.7	8.0	8.0	22.3	22.3	91.6	91.6	5.3		3.2		2			
					Middle	3.2	0.3	-	27.7	27.7	7.9	7.9	29.4	29.4	66.0	66.2	5.0	7.3	3					
						3.2	0.3	5	27.7	27.7	7.9	7.9	29.4	29.4	66.4	66.2	5.0	7.1	2					
					Bottom	5.4	0.3	26	27.4	27.4	7.9	7.9	30.5	30.4	56.8	56.9	4.8	8.5	2					
						5.4	0.3	22	27.4	27.4	7.9	7.9	30.4	30.4	56.9	56.9	4.8	8.5	3					
IM2	Rainy	Moderate	12:09	6.8	Surface	1.0	0.3	343	28.9	28.9	7.9	7.9	25.0	25.0	97.6	97.6	5.0	4.7	1.3	5.0	4	3	819170	806217
						1.0	0.3	346	28.9	28.9	7.9	7.9	25.0	25.0	97.6	97.6	5.0		1.3		2			
					Middle	3.4	0.2	336	27.8	27.8	8.0	8.0	29.4	29.4	65.1	65.1	4.5	4.4	2					
						3.4	0.3	335	27.8	27.8	8.0	8.0	29.4	29.4	65.1	65.1	4.1	4.4	3					
					Bottom	5.8	0.2	343	27.1	27.1	8.1	8.1	31.2	31.2	54.7	54.7	4.4	9.4	2					
						5.8	0.2	347	27.1	27.1	8.1	8.1	31.2	31.2	54.7	54.7	4.6	9.4	3					
IM7	Rainy	Moderate	12:42	7.8	Surface	1.0	0.1	306	28.3	28.3	7.9	7.9	22.8	22.8	90.4	90.4	5.3	5.3	4.1	7.4	2	2	821326	806825
						1.0	0.1	306	28.3	28.3	7.9	7.9	22.8	22.8	90.4	90.4	5.3		4.2		2			
					Middle	3.9	0.2	312	27.7	27.7	8.0	8.0	26.2	26.2	68.4	68.4	5.2	7.9	2					
						3.9	0.2	310	27.7	27.7	8.0	8.0	26.2	26.2	68.4	68.4	5.2	7.9	2					
					Bottom	6.8	0.2	293	27.5	27.5	8.0	8.0	26.7	26.7	60.2	60.2	4.1	10.3	2					
						6.8	0.2	294	27.5	27.5	8.0	8.0	26.7	26.7	60.2	60.2	4.1	10.2	3					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Misty	Moderate	12:11	9.6	Surface	1.0	0.3	290	29.4	29.4	7.9	7.9	21.8	21.7	86.8	86.9	5.9	5.5	3.2	4	4	4	4	822219	809850				
						1.0	0.2	285	29.3	7.9	7.9	21.7	21.7	87.0	87.0	5.9													
					Middle	4.8	0.2	284	28.5	28.5	7.8	7.8	26.1	26.0	75.8	75.9	5.1	4.6	4.6	4.6	4.6	3	3	3	3	3	3	3	
						4.8	0.3	283	28.5	7.8	7.8	26.0	26.0	75.9	75.9	5.1													
					Bottom	8.6	0.2	302	27.7	27.7	7.8	7.8	27.7	27.7	67.8	67.9	4.6	4.6	4.6	4.6	4.6	2	2	2	2	2	2	2	2
						8.6	0.2	299	27.7	7.8	7.8	27.7	27.7	67.9	67.9	4.6													
IM11	Misty	Moderate	12:03	9.0	Surface	1.0	0.3	290	27.9	27.9	7.8	7.8	27.1	27.1	70.0	69.9	7.7	7.3	4.1	3	3	3	3	821509	810526				
						1.0	0.3	293	27.8	27.8	7.8	7.8	27.1	27.1	69.8	69.9	7.6												
					Middle	4.5	0.3	278	27.6	27.6	7.8	7.8	27.8	27.8	67.8	67.9	7.0	4.7	4.7	4.7	4.7	3	3	3	3	3	3	3	
						4.5	0.3	275	27.6	7.8	7.8	27.7	27.7	67.9	67.9	7.0													
					Bottom	8.0	0.3	286	27.5	27.5	7.8	7.8	26.0	26.0	69.1	69.2	4.7	4.7	4.7	4.7	4.7	3	3	3	3	3	3	3	
						8.0	0.2	280	27.5	7.8	7.8	26.0	26.0	69.2	69.2	4.7													
IM12	Misty	Moderate	11:57	8.2	Surface	1.0	0.3	306	28.4	28.4	7.8	7.8	23.5	23.5	77.7	77.7	5.3	5.0	4.4	3	3	3	3	821167	811499				
						1.0	0.2	306	28.4	7.8	7.8	23.5	23.5	77.7	77.7	5.3													
					Middle	4.1	0.4	310	27.3	27.3	7.8	7.8	26.3	26.3	66.6	66.7	4.6	4.7	4.7	4.7	4.7	3	3	3	3	3	3	3	
						4.1	0.3	314	27.3	7.8	7.8	26.3	26.3	66.7	66.7	4.6													
					Bottom	7.2	0.3	306	27.3	27.3	7.8	7.8	26.5	26.5	69.1	69.2	4.7	4.7	4.7	4.7	4.7	3	3	3	3	3	3	3	
						7.2	0.4	299	27.3	7.8	7.8	26.5	26.5	69.3	69.3	4.7													
SR1A	Misty	Moderate	11:31	4.8	Surface	1.0	0.0	173	28.5	28.5	7.8	7.8	23.9	23.9	73.7	73.7	5.0	5.0	2.3	3	3	3	3	819977	812658				
						1.0	0.1	166	28.5	7.8	7.8	23.9	23.9	73.7	73.7	5.0													
					Middle	2.4	0.0	172	-	-	-	-	-	-	-	-	-	5.2	5.2	5.2	5.2	3	3	3	3	3	3		
						2.4	0.0	166	-	-	-	-	-	-	-	-													
					Bottom	3.8	0.0	208	28.4	28.4	7.9	7.9	24.1	24.1	75.6	75.7	5.1	5.2	5.2	5.2	5.2	3	3	3	3	3	3	3	
						3.8	0.0	214	28.4	7.9	7.9	24.1	24.1	75.8	75.8	5.2													
SR2	Misty	Moderate	11:16	5.0	Surface	1.0	0.1	333	28.0	28.0	7.9	7.9	24.7	24.7	74.2	74.2	5.1	5.1	3.0	4	4	4	4	821445	814186				
						1.0	0.2	329	28.0	7.9	7.9	24.7	24.7	74.2	74.2	5.1													
					Middle	-	0.1	333	-	-	-	-	-	-	-	-	-	5.2	5.2	5.2	5.2	4	4	4	4	4	4		
						-	0.1	329	-	-	-	-	-	-	-														
					Bottom	4.0	0.1	320	27.9	27.9	7.9	7.9	24.9	25.0	76.4	76.5	5.2	5.2	5.2	5.2	5.2	3	3	3	3	3	3		
						4.0	0.1	321	27.9	7.9	7.9	25.0	25.0	76.5	76.5	5.2													
SR3	Cloudy	Moderate	12:52	8.4	Surface	1.0	0.1	336	28.1	28.1	7.9	7.9	21.0	21.0	83.6	83.7	4.5	4.5	2.1	3	3	3	3	822164	807579				
						1.0	0.1	332	28.0	7.9	7.9	21.0	21.0	83.7	83.7	4.6													
					Middle	4.2	0.1	317	28.3	28.3	7.9	7.9	22.6	22.6	75.8	75.8	4.5	4.2	4.2	4.2	4.2	2	2	2	2	2	2		
						4.2	0.1	322	28.3	7.9	7.9	22.6	22.6	75.8	75.8	4.5													
					Bottom	7.4	0.1	320	27.4	27.5	7.8	7.8	25.1	25.1	60.9	61.2	4.2	4.2	4.2	4.2	4.2	2	2	2	2	2	2		
						7.4	0.1	318	27.6	7.8	7.8	25.1	25.1	61.4	61.4	4.2													
SR4A	Cloudy	Moderate	11:03	8.7	Surface	1.0	0.0	184	28.8	28.8	8.0	8.0	25.8	25.8	90.5	90.5	4.5	4.5	5.2	2	2	2	2	817192	807806				
						1.0	0.1	176	28.8	8.0	8.0	25.8	25.8	90.5	90.5	4.5													
					Middle	4.4	-	202	28.4	28.4	8.0	8.0	27.9	27.9	68.1	68.1	4.6	4.2	4.2	4.2	4.2	3	3	3	3	3	3		
						4.4	-	203	28.4	8.0	8.0	27.9	27.9	68.1	68.1	4.5													
					Bottom	7.7	0.0	186	28.3	28.3	8.0	8.0	28.3	28.3	56.5	56.6	3.8	3.8	3.8	3.8	3.8	2	2	2	2	2	2		
						7.7	0.0	179	28.3	8.0	8.0	28.3	28.3	56.6	56.6	3.8													
SR8	Misty	Moderate	11:52	5.0	Surface	1.0	-	-	28.9	28.9	7.8	7.8	23.2	23.1	76.6	76.6	5.2	5.2	3.6	3	3	3	3	820397	811609				
						1.0	-	-	28.9	7.8	7.8	23.1	23.1	76.5	76.6	5.2													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	4.1	4.1	4.1	4.1	3	3	3	3	3			
						-	-	-	-	-	-	-	-	-	-														
					Bottom	4.0	-	-	27.2	27.2	7.8	7.8	26.6	26.6	67.8	67.9	4.6	4.6	4.6	4.6	4.6	3	3	3	3	3			
						4.0	-	-	27.2	7.8	7.8	26.6	26.6	68.0	68.0	4.6													

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	08:10	8.9	Surface	1.0	0.5	210	28.4	28.4	8.0	8.0	22.1	22.1	84.7	84.7	5.8	5.4	2.7	7.9	6	7	815631	804251
						1.0	0.5	202	28.4		8.0	8.0	22.1	22.1	84.7	84.7	5.8		2.7					
					Middle	4.5	0.5	197	27.4	27.4	7.9	7.9	26.5	26.5	71.4	71.3	4.9	4.0	9.5	6				
						4.5	0.5	194	27.3		7.9	7.9	26.5	26.5	71.1	71.3	4.9		9.8	7				
					Bottom	7.9	0.5	217	25.8	25.8	7.9	7.9	32.3	32.3	58.2	58.4	4.0	4.0	11.1	7				
						7.9	0.4	222	25.8		7.9	7.9	32.3	32.3	58.5	58.4	4.0		11.4	8				
C2	Cloudy	Moderate	09:50	11.3	Surface	1.0	0.7	184	27.7	27.7	7.8	7.8	26.1	26.0	67.1	67.4	4.6	4.3	1.9	5.3	3	3	825692	806967
						1.0	0.7	185	27.7		7.8	7.8	26.0	26.0	67.7	67.4	4.6		1.9					
					Middle	5.7	0.7	181	26.8	26.8	7.8	7.8	29.3	29.3	57.8	57.8	3.9	3.9	4.1	2				
						5.7	0.7	185	26.8		7.8	7.8	29.3	29.3	57.8	57.8	3.9		4.4	3				
					Bottom	10.3	0.7	181	26.7	26.7	7.8	7.8	29.7	29.7	57.6	57.6	3.9	3.9	10.0	3				
						10.3	0.7	179	26.7		7.8	7.8	29.7	29.7	57.5	57.6	3.9		9.7	2				
C3	Misty	Moderate	08:52	10.2	Surface	1.0	0.3	76	27.1	27.1	8.0	8.0	24.1	24.1	81.9	81.7	5.7	5.4	1.0	1.5	<2	2	822100	817786
						1.0	0.3	70	27.1		8.0	8.0	24.1	24.1	81.5	81.7	5.7		1.0					
					Middle	5.1	0.4	51	26.7	26.7	8.0	8.0	25.7	25.7	74.1	72.3	5.1	4.8	1.3	2				
						5.1	0.4	43	26.7		8.0	8.0	25.8	25.7	70.4	72.3	4.9		1.3	2				
					Bottom	9.2	0.3	45	26.6	26.6	8.0	8.0	26.0	26.0	69.8	69.8	4.8	4.8	2.2	2				
						9.2	0.3	41	26.6		8.0	8.0	26.0	26.0	69.7	69.8	4.8		2.2	2				
IM1	Rainy	Moderate	08:35	6.2	Surface	1.0	0.4	201	27.7	27.8	8.0	8.0	27.3	27.3	89.4	89.4	6.0	5.0	11.4	8.3	2	3	818330	806446
						1.0	0.4	204	27.8		8.0	8.0	27.3	27.3	89.4	89.4	6.0		11.4					
					Middle	3.1	0.4	177	25.9	25.9	7.9	7.9	31.6	31.6	57.9	57.9	3.9	3.9	3.0	2				
						3.1	0.4	169	25.9		7.9	7.9	31.6	31.6	57.9	57.9	3.9		3.1	2				
					Bottom	5.2	0.4	198	25.5	25.5	7.9	7.9	32.9	32.9	54.2	54.4	3.7	3.7	10.3	3				
						5.2	0.4	200	25.5		7.9	7.9	32.9	32.9	54.5	54.4	3.7		10.6	4				
IM2	Rainy	Moderate	08:40	6.8	Surface	1.0	0.5	186	27.7	27.7	8.1	8.1	27.4	27.4	95.5	95.7	6.5	5.2	3.4	5.1	6	5	819199	806241
						1.0	0.5	188	27.7		8.1	8.1	27.4	27.4	95.8	95.7	6.5		3.4					
					Middle	3.4	0.5	193	25.8	25.8	7.9	7.9	31.8	31.8	56.8	56.6	3.9	3.5	5					
						3.4	0.4	194	25.8		7.9	7.9	31.8	31.8	56.4	56.6	3.8		3.5	4				
					Bottom	5.8	0.5	186	25.4	25.4	7.9	7.9	32.9	32.9	51.2	51.2	3.5	3.5	8.6	3				
						5.8	0.5	191	25.4		7.9	7.9	32.9	32.9	51.2	51.2	3.5		8.2	2				
IM7	Rainy	Moderate	09:19	8.3	Surface	1.0	0.3	209	29.7	29.7	7.9	7.9	16.5	16.6	91.6	91.6	6.4	6.1	2.4	4.4	3	3	821342	806823
						1.0	0.3	211	29.6		7.9	7.9	16.6	16.6	91.6	91.6	6.4		2.4					
					Middle	4.2	0.3	200	29.1	29.1	7.9	7.9	20.5	20.5	84.7	84.5	5.8	4.2	1.9	4				
						4.2	0.3	199	29.1		7.9	7.9	20.5	20.5	84.3	84.5	5.8		1.9	2				
					Bottom	7.3	0.3	178	27.4	27.5	7.9	7.9	27.5	27.5	62.1	62.2	4.2	4.2	8.9	3				
						7.3	0.3	173	27.5		7.9	7.9	27.5	27.5	62.2	62.2	4.2		8.8	4				

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Water Quality Monitoring

Water Quality Monitoring Results on 26 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
IM10	Rainy	Moderate	10:05	10.0	Surface	1.0	0.5	127	28.4	28.4	7.9	7.9	18.5	18.5	82.3	82.3	5.8	5.6	1.1	1.9	3	3	822226	809823							
						1.0	0.5	126	28.3	7.9	7.9	18.5	18.5	82.3	82.3	5.8	5.6	1.1	1.9	4											
					Middle	5.0	0.5	140	27.5	27.5	7.9	7.9	21.7	21.7	75.4	75.3	5.3	5.6	1.3	1.9	3				3	822226	809823				
						5.0	0.5	144	27.4	27.5	7.9	7.9	21.8	21.7	75.2	75.3	5.3	5.6	1.4	1.9	2										
					Bottom	9.0	0.5	113	27.1	27.2	7.9	7.9	25.4	25.4	66.9	67.4	4.6	4.7	3.1	1.9	2							3	822226	809823	
						9.0	0.5	113	27.2	27.2	7.9	7.9	25.4	25.4	67.8	67.4	4.7	4.7	3.1	1.9	3										
IM11	Rainy	Moderate	09:58	9.0	Surface	1.0	0.5	113	29.2	29.2	8.0	8.0	13.6	13.6	88.2	88.2	6.3	5.9	0.2	0.8	2	3	821512	810563							
						1.0	0.5	113	29.2	29.2	8.0	8.0	13.6	13.6	88.1	88.2	6.3	5.9	0.2	0.8	2										
					Middle	4.5	0.4	113	28.5	28.5	7.9	7.9	19.4	19.4	77.7	77.7	5.4	4.9	0.8	1.4	2				3	821512	810563				
						4.5	0.4	114	28.5	28.5	7.9	7.9	19.3	19.4	77.7	77.7	5.4	4.9	0.7	1.4	4										
					Bottom	8.0	0.5	95	27.3	27.3	7.9	7.9	23.7	23.8	69.9	70.0	4.9	4.9	1.3	1.4	3							3	821512	810563	
						8.0	0.5	95	27.2	27.3	7.9	7.9	23.9	23.8	70.1	70.0	4.9	4.9	1.4	1.4	4										
IM12	Rainy	Moderate	09:52	8.0	Surface	1.0	0.5	110	28.8	28.8	7.9	7.9	16.2	16.2	81.8	81.8	5.8	5.6	1.0	1.4	3	3	821172	811522							
						1.0	0.5	110	28.7	28.8	7.9	7.9	16.2	16.2	81.8	81.8	5.8	5.6	1.0	1.4	4										
					Middle	4.0	0.6	113	28.3	28.3	7.9	7.9	19.7	19.7	76.8	76.4	5.4	4.5	1.4	1.4	3				3	821172	811522				
						4.0	0.6	109	28.3	28.3	7.9	7.9	19.7	19.7	76.0	76.4	5.3	4.5	1.4	1.4	2										
					Bottom	7.0	0.5	115	26.7	26.8	7.9	7.9	25.7	25.5	63.1	63.9	4.4	4.5	1.6	1.4	2							3	821172	811522	
						7.0	0.5	115	26.8	26.8	7.9	7.9	25.4	25.5	64.6	63.9	4.5	4.5	1.7	1.4	2										
SR1A	Misty	Moderate	09:25	5.0	Surface	1.0	0.0	136	28.3	28.3	8.0	8.0	18.4	18.4	80.8	80.8	5.7	5.7	1.5	1.8	2	2	819974	812655							
						1.0	0.1	138	28.2	28.3	8.0	8.0	18.4	18.4	80.7	80.8	5.7	5.7	1.6	1.8	2										
					Middle	2.5	0.0	121	-	-	-	-	-	-	-	-	-	-	-	-	-				-	2	819974				812655
						2.5	0.1	116	-	-	-	-	-	-	-	-	-	-	-	-	-				-						
					Bottom	4.0	0.0	132	28.1	28.2	8.0	8.0	20.9	20.9	79.3	79.4	5.5	5.5	2.1	1.8	2				2			819974	812655		
						4.0	0.0	139	28.2	28.2	8.0	8.0	20.9	20.9	79.5	79.4	5.5	5.5	2.1	1.8	2										
SR2	Misty	Moderate	09:11	4.8	Surface	1.0	0.5	33	28.5	28.5	8.0	8.0	18.3	18.3	85.6	85.7	6.0	6.0	0.6	0.9	<2	<2	821465	814154							
						1.0	0.6	34	28.5	28.5	8.0	8.0	18.3	18.3	85.8	85.7	6.0	6.0	0.6	0.9	<2										
					Middle	-	0.5	29	-	-	-	-	-	-	-	-	-	-	-	-	-					-	2			821465	814154
						-	0.6	31	-	-	-	-	-	-	-	-	-	-	-	-	-					-					
					Bottom	3.8	0.5	60	28.3	28.4	8.0	8.0	19.2	19.2	86.5	86.7	6.1	6.1	1.1	0.9	1.1				2	821465		814154			
						3.8	0.6	58	28.4	28.4	8.0	8.0	19.2	19.2	86.8	86.7	6.1	6.1	1.1	0.9	1.1										
SR3	Cloudy	Moderate	09:28	8.2	Surface	1.0	0.6	176	29.9	29.9	8.0	8.0	16.7	16.7	95.6	95.5	6.6	5.8	2.6	2.3	2	3	822130	807551							
						1.0	0.6	182	29.8	29.9	8.0	8.0	16.8	16.7	95.4	95.5	6.6	5.8	2.6	2.3	2										
					Middle	4.1	0.6	162	28.0	28.0	7.9	7.9	24.4	24.4	72.5	72.5	5.0	4.4	1.9	2.3	2						3		822130	807551	
						4.1	0.7	160	28.0	28.0	7.9	7.9	24.4	24.4	72.4	72.5	5.0	4.4	2.0	2.3	3										
					Bottom	7.2	0.5	161	27.9	27.9	7.8	7.8	26.0	26.0	63.8	64.0	4.3	3.6	2.2	2.3	4				3	822130		807551			
						7.2	0.5	168	27.9	27.9	7.8	7.8	26.0	26.0	64.1	64.0	4.4	3.6	2.2	2.3	3										
SR4A	Cloudy	Moderate	07:40	8.7	Surface	1.0	0.0	91	29.0	29.0	8.1	8.1	24.3	24.3	117.8	117.8	7.9	7.9	5.4	9.7	7	7	817182	807797							
						1.0	0.0	85	29.0	29.0	8.1	8.1	24.3	24.3	117.8	117.8	7.9	7.9	5.4	9.7	6										
					Middle	4.4	0.0	77	29.0	27.9	8.1	8.0	24.3	24.4	117.6	117.6	7.9	3.6	6.6	9.7	7						7		817182	807797	
						4.4	0.0	79	26.8	27.9	7.8	8.0	24.5	24.4	117.5	117.6	8.0	3.6	6.4	9.7	6										
					Bottom	7.7	0.1	79	26.0	26.0	7.8	7.8	31.6	31.6	53.1	53.2	3.6	3.6	17.1	9.7	7				7	817182		807797			
						7.7	0.0	77	26.0	26.0	7.8	7.8	31.6	31.6	53.2	53.2	3.6	3.6	17.1	9.7	7										
SR8	Rainy	Moderate	09:47	5.2	Surface	1.0	-	-	29.1	29.1	7.9	7.9	15.3	15.2	84.9	84.9	6.0	6.0	0.8	0.9	2	2	820371	811628							
						1.0	-	-	29.1	29.1	7.9	7.9	15.2	15.2	84.9	84.9	6.0	6.0	0.8	0.9	2										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-		2	820371	811628
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						-				
					Bottom	4.2	-	-	28.9	28.9	7.9	7.9	16.4	16.5	84.7	84.8	6.0	6.0	1.0	0.9	1.0				2	820371	811628				
						4.2	-	-	28.9	28.9	7.9	7.9	16.5	16.5	84.8	84.8	6.0	6.0	1.0	0.9	1.0										

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	21:40	8.8	Surface	1.0	0.1	198	<u>27.2</u>	27.2	7.9	7.9	<u>27.9</u>	27.9	<u>74.0</u>	74.1	5.0	4.5	6.8	7.5	2	3	815624	804241
						1.0	0.1	200	<u>27.2</u>	7.9	7.9	<u>27.9</u>	27.9	<u>74.1</u>	74.1	5.0	6.2		3					
					Middle	4.4	0.1	181	<u>26.1</u>	26.1	7.9	7.9	<u>31.3</u>	31.3	<u>56.7</u>	56.7	3.9	7.3	2					
						4.4	0.1	184	<u>26.1</u>	26.1	7.9	7.9	<u>31.3</u>	31.3	<u>56.7</u>	56.7	3.9	7.6	3					
					Bottom	7.8	0.1	183	<u>25.8</u>	25.8	7.8	7.8	<u>32.3</u>	32.3	<u>51.5</u>	51.6	3.5	8.2	3					
						7.8	0.1	180	<u>25.8</u>	25.8	7.8	7.8	<u>32.3</u>	32.3	<u>51.6</u>	51.6	3.5	8.6	2					
C2	Cloudy	Moderate	19:32	11.8	Surface	1.0	0.1	318	<u>29.1</u>	29.1	7.9	7.9	<u>20.9</u>	20.9	<u>82.5</u>	82.5	5.7	4.7	2.8	7.2	2	3	825676	806968
						1.0	0.1	323	<u>29.1</u>	29.1	7.9	7.9	<u>20.9</u>	20.9	<u>82.4</u>	82.4	5.6		2.9		3			
					Middle	5.9	0.1	321	<u>26.8</u>	26.8	7.8	7.8	<u>29.2</u>	29.2	<u>55.4</u>	55.4	3.8	8.3	3					
						5.9	0.1	328	<u>26.8</u>	26.8	7.8	7.8	<u>29.2</u>	29.2	<u>55.3</u>	55.4	3.8	8.6	2					
					Bottom	10.8	0.1	346	<u>26.8</u>	26.8	7.8	7.8	<u>29.1</u>	29.1	<u>54.2</u>	54.1	3.7	10.2	3					
						10.8	0.1	345	<u>26.8</u>	26.8	7.8	7.8	<u>29.1</u>	29.1	<u>53.9</u>	54.1	3.7	10.5	3					
C3	Misty	Moderate	20:36	10.2	Surface	1.0	0.1	122	<u>27.0</u>	27.0	7.9	7.9	<u>24.5</u>	24.5	<u>78.5</u>	78.4	5.5	5.2	0.2	0.7	3	2	822129	817782
						1.0	0.1	120	<u>27.0</u>	27.0	7.9	7.9	<u>24.5</u>	24.5	<u>78.3</u>	78.4	5.4		0.2		2			
					Middle	5.1	0.0	131	<u>26.6</u>	26.6	7.9	7.9	<u>25.8</u>	25.8	<u>72.4</u>	72.5	5.0	0.7	2					
						5.1	0.0	135	<u>26.6</u>	26.6	7.9	7.9	<u>25.9</u>	25.8	<u>72.5</u>	72.5	5.0	0.7	2					
					Bottom	9.2	0.0	95	<u>26.4</u>	26.4	7.9	7.9	<u>26.5</u>	26.5	<u>73.3</u>	73.4	5.1	1.1	2					
						9.2	0.0	97	<u>26.4</u>	26.4	7.9	7.9	<u>26.6</u>	26.5	<u>73.5</u>	73.4	5.1	1.1	2					
IM1	Cloudy	Moderate	21:08	6.3	Surface	1.0	0.0	82	<u>28.4</u>	28.4	8.1	8.1	<u>23.9</u>	23.9	<u>118.8</u>	118.7	8.1	6.0	3.4	4.6	3	3	818348	806456
						1.0	0.0	81	<u>28.4</u>	28.4	8.1	8.1	<u>23.9</u>	23.9	<u>118.6</u>	118.7	8.1		3.4		4			
					Middle	3.2	0.1	82	<u>26.0</u>	26.0	7.9	7.9	<u>31.6</u>	31.6	<u>56.9</u>	57.0	3.9	2.8	3					
						3.2	0.1	75	<u>26.0</u>	26.0	7.9	7.9	<u>31.6</u>	31.6	<u>57.0</u>	57.0	3.9	2.8	2					
					Bottom	5.3	0.1	83	<u>25.6</u>	25.6	7.9	7.9	<u>32.5</u>	32.5	<u>55.6</u>	55.6	3.8	7.6	2					
						5.3	0.0	80	<u>25.6</u>	25.6	7.9	7.9	<u>32.5</u>	32.5	<u>55.6</u>	55.6	3.8	7.6	2					
IM2	Cloudy	Moderate	21:03	6.8	Surface	1.0	0.0	34	<u>28.7</u>	28.7	8.1	8.1	<u>21.9</u>	21.9	<u>111.4</u>	111.3	7.6	6.0	2.5	5.1	3	2	819189	806225
						1.0	0.0	34	<u>28.7</u>	28.7	8.1	8.1	<u>21.9</u>	21.9	<u>111.1</u>	111.3	7.6		2.5		2			
					Middle	3.4	0.0	38	<u>26.6</u>	26.6	7.9	7.9	<u>30.2</u>	30.2	<u>62.7</u>	63.0	4.3	3.0	2					
						3.4	0.0	44	<u>26.6</u>	26.6	7.9	7.9	<u>30.2</u>	30.2	<u>63.3</u>	63.0	4.3	3.0	2					
					Bottom	5.8	0.0	47	<u>25.7</u>	25.7	7.9	7.9	<u>32.3</u>	32.4	<u>57.6</u>	57.6	3.9	9.8	2					
						5.8	0.0	49	<u>25.7</u>	25.7	7.9	7.9	<u>32.4</u>	32.4	<u>57.6</u>	57.6	3.9	9.6	2					
IM7	Cloudy	Moderate	20:13	8.0	Surface	1.0	0.1	105	<u>30.3</u>	30.3	8.0	8.0	<u>15.7</u>	15.7	<u>96.6</u>	96.6	6.7	6.2	2.5	5.5	2	2	821332	806817
						1.0	0.0	109	<u>30.3</u>	30.3	8.0	8.0	<u>15.7</u>	15.7	<u>96.5</u>	96.6	6.7		2.5		2			
					Middle	4.0	0.1	128	<u>29.0</u>	29.0	7.9	7.9	<u>21.1</u>	21.1	<u>83.8</u>	83.7	5.7	3.8	2					
						4.0	0.1	131	<u>29.0</u>	29.0	7.9	7.9	<u>21.1</u>	21.1	<u>83.6</u>	83.7	5.7	4.2	2					
					Bottom	7.0	0.1	99	<u>27.0</u>	27.0	7.8	7.8	<u>28.9</u>	28.9	<u>58.6</u>	58.7	4.0	9.9	3					
						7.0	0.1	94	<u>27.0</u>	27.0	7.8	7.8	<u>28.9</u>	28.9	<u>58.8</u>	58.7	4.0	9.9	3					

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Misty	Moderate	19:15	8.6	Surface	1.0	0.1	315	28.3	28.3	8.0	8.0	18.5	18.5	81.2	81.1	5.7	5.4	1.1	1.8	2	2	822249	809830						
						1.0	0.0	315	28.2		8.0	8.0	18.5	18.5	81.0	81.0	5.7		1.1		2									
					Middle	4.3	0.1	310	27.4	27.4	7.9	7.9	22.0	22.0	72.3	72.0	5.1	5.4	1.5	1.8	2				2	822249	809830			
						4.3	0.1	310	27.3		7.9	7.9	22.1	22.0	71.7	72.0	5.0		1.5		2									
					Bottom	7.6	0.1	324	26.6	26.6	7.9	7.9	26.1	26.1	59.4	59.6	4.1	4.2	2.7	1.8	2							2	822249	809830
						7.6	0.1	319	26.6		7.9	7.9	26.1	26.1	59.8	59.6	4.2		2.8		2									
IM11	Misty	Moderate	19:32	7.0	Surface	1.0	0.1	343	28.9	28.9	8.0	7.9	15.0	15.0	83.1	83.1	5.9	5.6	1.1	1.3	3	3	821505	810560						
						1.0	0.1	344	28.9		8.0	7.9	15.0	15.0	83.1	83.1	5.9		1.1		2									
					Middle	3.5	0.0	341	28.6	28.6	7.9	7.9	17.6	17.6	75.4	75.2	5.3	5.6	1.2	1.3	3				3	821505	810560			
						3.5	0.0	334	28.6		7.9	7.9	17.6	17.6	75.0	75.2	5.3		1.3		2									
					Bottom	6.0	0.1	338	27.0	27.0	7.9	7.9	24.8	24.9	66.0	66.2	4.6	4.6	1.6	1.3	3							3	821505	810560
						6.0	0.0	336	26.9		7.9	7.9	24.9	24.9	66.4	66.2	4.6		1.7		3									
IM12	Misty	Moderate	19:38	7.2	Surface	1.0	0.0	339	29.3	29.3	8.0	8.0	14.9	15.0	84.9	84.9	6.0	5.7	0.2	0.8	2	3	821147	811532						
						1.0	0.1	332	29.3		8.0	8.0	15.0	15.0	84.8	84.9	6.0		0.2		3									
					Middle	3.6	-	5	28.4	28.4	7.9	7.9	18.9	18.9	77.5	77.4	5.4	5.7	0.9	0.8	4				3	821147	811532			
						3.6	0.1	4	28.4		7.9	7.9	18.9	18.9	77.3	77.4	5.4		0.8		3									
					Bottom	6.2	0.1	353	27.2	27.2	7.9	7.9	23.3	23.4	68.8	69.0	4.8	4.8	1.4	0.8	4							3	821147	811532
						6.2	0.1	351	27.2		7.9	7.9	23.4	23.4	69.2	69.0	4.8		1.4		4									
SR1A	Misty	Moderate	20:00	4.0	Surface	1.0	0.0	150	29.2	29.2	8.0	8.0	14.6	14.6	92.4	92.4	6.5	6.5	0.9	0.9	2	2	819976	812659						
						1.0	0.0	148	29.1		8.0	8.0	14.6	14.6	92.3	92.4	6.5		0.9		2									
					Middle	2.0	0.0	146	-	-	-	-	-	-	-	-	-	6.5	-	0.9	-				2	819976	812659			
						2.0	0.0	147	-		-	-	-	-	-	-	-		-		-									
					Bottom	3.0	-	160	28.7	28.8	8.0	8.0	17.4	17.5	90.9	91.1	6.4	6.4	1.0	0.9	2							2	819976	812659
						3.0	0.0	155	28.8		8.0	8.0	17.5	17.5	91.2	91.1	6.4		1.0		3									
SR2	Misty	Moderate	20:14	5.2	Surface	1.0	0.1	35	28.5	28.5	8.0	8.0	17.6	17.6	84.0	83.9	5.9	5.9	1.8	1.9	2	3	821459	814156						
						1.0	0.1	42	28.5		8.0	8.0	17.6	17.6	83.7	83.9	5.9		1.8		3									
					Middle	-	0.1	6	-	-	-	-	-	-	-	-	-	5.9	-	1.9	-				3	821459	814156			
						-	0.1	1	-		-	-	-	-	-	-	-		-		-									
					Bottom	4.2	0.1	21	28.1	28.1	7.9	7.9	19.7	19.8	83.9	84.1	5.9	5.9	2.0	1.9	2							3	821459	814156
						4.2	0.1	20	28.1		7.9	7.9	19.8	19.8	84.2	84.1	5.9		2.0		3									
SR3	Cloudy	Moderate	20:08	8.5	Surface	1.0	0.1	157	29.7	29.7	8.0	8.0	18.9	18.9	98.7	98.7	6.8	6.1	2.3	5.2	3	3	822153	807577						
						1.0	0.1	159	29.7		8.0	8.0	18.9	18.9	98.7	98.7	6.8		2.3		3									
					Middle	4.3	0.0	160	28.3	28.3	7.8	7.8	22.7	22.7	79.5	79.4	5.5	6.1	3.0	5.2	3				3	822153	807577			
						4.3	0.1	160	28.3		7.8	7.8	22.7	22.7	79.2	79.4	5.4		3.0		2									
					Bottom	7.5	0.0	173	28.1	28.1	7.8	7.8	25.1	25.0	69.6	69.7	4.7	4.7	10.4	5.2	3							3	822153	807577
						7.5	0.1	171	28.1		7.9	7.9	24.9	25.0	69.8	69.7	4.7		10.4		2									
SR4A	Cloudy	Moderate	22:16	8.5	Surface	1.0	0.0	114	29.0	29.0	8.2	8.2	25.7	25.7	134.3	134.2	9.0	7.1	7.3	7.7	3	3	817196	807792						
						1.0	0.1	115	29.0		8.2	8.2	25.7	25.7	134.1	134.2	9.0		7.3		2									
					Middle	4.3	0.0	116	27.4	27.4	8.0	8.0	28.7	28.6	76.5	76.6	5.2	7.1	7.5	7.7	3				3	817196	807792			
						4.3	0.0	118	27.4		8.0	8.0	28.6	28.6	76.7	76.6	5.2		7.4		3									
					Bottom	7.5	0.0	133	26.9	26.9	7.9	7.9	29.7	29.7	66.4	66.5	4.5	4.5	8.2	7.7	4							3	817196	807792
						7.5	0.1	131	26.9		7.9	7.9	29.7	29.7	66.5	66.5	4.5		8.2		3									
SR8	Misty	Moderate	19:43	4.2	Surface	1.0	-	-	29.1	29.1	8.0	8.0	14.5	14.5	92.8	92.8	6.6	6.6	0.9	1.0	2	3	820378	811628						
						1.0	-	-	29.1		8.0	8.0	14.5	14.5	92.7	92.8	6.6		0.9		2									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.6	-	1.0	-				3	820378	811628			
						-	-	-	-		-	-	-	-	-	-	-		-		-									
					Bottom	3.2	-	-	28.8	28.8	8.0	8.0	17.4	17.5	91.5	91.5	6.4	6.4	1.1	1.0	4							3	820378	811628
						3.2	-	-	28.7		8.0	8.0	17.6	17.5	91.5	91.5	6.4		1.1		5									

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	11:40	8.4	Surface	1.0	0.7	202	27.0	7.9	7.9	28.3	28.3	67.1	67.0	4.6	4.5	9.5	9.9	4	815636	804233	
						1.0	0.7	198	27.0	7.9	7.9	28.3	28.3	66.9	67.0	4.6	4.5	9.7	9.9	4			
					Middle	4.2	0.7	192	26.4	7.9	7.9	29.4	29.5	65.4	65.1	4.5	4.5	9.8	9.9	3			4
						4.2	0.7	193	26.4	7.9	7.9	29.6	29.5	64.8	65.1	4.4	4.5	9.6	9.9	4			4
					Bottom	7.4	0.7	221	26.2	7.9	7.9	30.3	30.3	57.8	58.1	3.9	4.0	10.7	10.4	5			4
						7.4	0.7	225	26.4	7.9	7.9	30.2	30.3	58.3	58.1	4.0	4.0	10.4	10.4	5			4
C2	Cloudy	Moderate	09:55	11.7	Surface	1.0	0.5	185	28.3	7.9	7.9	22.7	22.7	76.2	76.3	5.2	4.7	3.7	7.9	4	825680	806926	
						1.0	0.4	178	28.2	7.9	7.9	22.8	22.7	76.3	76.3	5.2	4.7	3.7	7.9	4			
					Middle	5.9	0.4	177	26.7	7.9	7.9	28.4	28.4	60.8	60.8	4.2	4.2	8.8	8.3	4			4
						5.9	0.4	175	26.7	7.9	7.9	28.5	28.4	60.7	60.8	4.2	4.2	8.3	8.3	4			4
					Bottom	10.7	0.5	187	26.5	7.9	7.9	29.1	29.1	61.8	61.9	4.2	4.2	11.2	11.9	4			4
						10.7	0.5	182	26.5	7.9	7.9	29.1	29.1	62.0	61.9	4.2	4.2	11.9	11.9	3			4
C3	Cloudy	Moderate	12:06	11.3	Surface	1.0	0.4	65	26.9	8.0	8.0	25.2	25.2	81.6	81.6	5.7	5.3	1.2	3.7	4	822085	817796	
						1.0	0.4	72	26.9	8.0	8.0	25.2	25.2	81.5	81.6	5.7	5.3	1.2	3.7	3			
					Middle	5.7	0.4	67	26.2	8.0	8.0	26.3	26.3	69.2	69.2	4.8	4.8	3.0	3.0	4			4
						5.7	0.5	63	26.2	8.0	8.0	26.3	26.3	69.2	69.2	4.8	4.8	3.0	3.0	4			4
					Bottom	10.3	0.4	74	25.6	7.9	7.9	27.7	27.7	60.5	60.6	4.2	4.2	7.0	7.0	4			4
						10.3	0.4	78	25.6	7.9	7.9	27.7	27.7	60.6	60.6	4.2	4.2	7.0	7.0	3			4
IM1	Rainy	Moderate	11:16	6.4	Surface	1.0	0.5	205	27.8	8.1	8.1	25.9	25.9	91.3	90.6	6.2	5.2	3.5	8.2	4	818349	806472	
						1.0	0.4	212	27.8	8.1	8.1	25.9	25.9	89.9	90.6	6.1	5.2	3.5	8.2	5			
					Middle	3.2	0.4	193	26.3	7.9	7.9	29.5	29.6	61.0	60.7	4.2	4.1	10.4	10.3	4			4
						3.2	0.5	198	26.2	7.9	7.9	29.7	29.6	60.4	60.7	4.1	4.1	10.3	10.3	4			4
					Bottom	5.4	0.4	182	26.0	7.9	7.9	30.6	30.6	52.4	52.6	3.6	3.6	10.8	10.5	4			4
						5.4	0.4	186	26.0	7.9	7.9	30.6	30.6	52.7	52.6	3.6	3.6	10.5	10.5	3			4
IM2	Cloudy	Moderate	11:04	6.9	Surface	1.0	0.4	186	27.4	8.1	8.1	26.8	26.9	89.5	89.1	6.1	5.1	3.6	7.3	3	819184	806213	
						1.0	0.4	192	27.3	8.1	8.1	27.1	26.9	88.6	89.1	6.0	5.1	3.6	7.3	4			
					Middle	3.5	0.4	184	26.4	7.9	7.9	29.3	29.3	61.6	61.6	4.2	4.2	6.9	7.0	3			3
						3.5	0.5	187	26.3	7.9	7.9	29.4	29.3	61.5	61.6	4.2	4.2	7.0	7.0	3			3
					Bottom	5.9	0.4	200	26.1	7.9	7.9	30.2	30.3	54.6	54.6	3.7	3.7	11.3	11.7	4			4
						5.9	0.5	205	26.0	7.9	7.9	30.3	30.3	54.5	54.6	3.7	3.7	11.7	11.7	3			4
IM7	Cloudy	Moderate	10:34	8.6	Surface	1.0	0.2	162	28.5	8.0	8.0	22.6	22.6	83.2	83.1	5.7	5.6	4.3	7.8	4	821366	806856	
						1.0	0.3	157	28.5	8.0	8.0	22.6	22.6	82.9	83.1	5.7	5.6	4.7	7.8	4			
					Middle	4.3	0.3	152	28.3	7.9	7.9	23.1	23.1	80.1	80.1	5.5	5.5	8.5	8.5	4			4
						4.3	0.3	150	28.3	7.9	7.9	23.1	23.1	80.1	80.1	5.5	5.5	8.5	8.5	3			4
					Bottom	7.6	0.2	154	28.3	7.9	7.9	23.1	23.1	80.9	81.1	5.5	5.6	10.4	10.2	5			4
						7.6	0.3	152	28.3	7.9	7.9	23.2	23.1	81.2	81.1	5.6	5.6	10.2	10.2	5			4

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Cloudy	Rough	10:26	8.3	Surface	1.0	0.6	108	27.9	8.0	8.0	21.4	21.4	88.6	88.6	6.2	6.2	2.0	2.0	5	5	822258	809834			
						1.0	0.6	104	27.9	8.0	8.0	21.4	21.4	88.6	88.6	6.2	6.2	2.0	2.0	4						
					Middle	4.2	0.6	92	27.9	8.0	8.0	21.5	21.5	88.2	88.2	6.1	6.1	1.5	1.5	4				5		
						4.2	0.6	88	27.9	8.0	8.0	21.5	21.5	88.2	88.2	6.1	6.1	1.5	1.5	5				4		
					Bottom	7.3	0.6	85	28.0	8.0	8.0	21.8	21.8	86.8	86.8	6.0	6.0	3.1	3.1	4				5		
						7.3	0.6	86	28.0	8.0	8.0	21.8	21.8	86.8	86.8	6.0	6.0	3.2	3.2	5				4		
IM11	Cloudy	Rough	10:41	7.2	Surface	1.0	0.7	101	28.1	8.0	8.0	21.2	21.2	87.9	87.9	6.1	6.1	1.9	1.9	5	5	821523	810526			
						1.0	0.7	102	28.1	8.0	8.0	21.2	21.2	87.8	87.8	6.1	6.1	2.0	2.0	4						
					Middle	3.6	0.8	95	27.2	7.9	7.9	22.9	22.9	69.5	69.5	4.9	4.9	2.7	2.7	5				5		
						3.6	0.8	99	27.2	7.9	7.9	22.9	22.9	69.5	69.5	4.9	4.9	2.7	2.7	5				4		
					Bottom	6.2	0.7	89	26.6	7.9	7.9	24.7	24.7	62.9	62.9	4.4	4.4	6.6	6.6	4				5		
						6.2	0.7	94	26.6	7.9	7.9	24.7	24.7	62.9	62.9	4.4	4.4	6.6	6.6	5				4		
IM12	Cloudy	Rough	10:53	7.1	Surface	1.0	0.8	104	28.1	8.1	8.1	21.2	21.2	89.6	89.6	6.2	6.2	2.0	2.0	7	6	821164	811519			
						1.0	0.8	111	28.1	8.1	8.1	21.2	21.2	89.6	89.6	6.2	6.2	2.0	2.0	6						
					Middle	3.6	0.8	97	27.5	8.0	8.0	22.0	22.0	76.6	76.6	5.4	5.4	2.9	2.9	6				5		
						3.6	0.8	97	27.5	8.0	8.0	22.0	22.0	76.6	76.6	5.4	5.4	2.9	2.9	5				7		
					Bottom	6.1	0.8	106	27.1	7.9	7.9	23.2	23.2	72.5	72.5	5.1	5.1	3.0	3.0	7				7		
						6.1	0.8	107	27.1	7.9	7.9	23.2	23.2	72.7	72.7	5.1	5.1	3.0	3.0	7				4		
SR1A	Cloudy	Moderate	11:25	4.7	Surface	1.0	0.0	108	27.4	8.0	8.0	22.2	22.2	76.4	76.4	5.3	5.3	3.5	3.5	4	4	819972	812665			
						1.0	0.1	111	27.4	8.0	8.0	22.2	22.2	76.4	76.4	5.3	5.3	3.6	3.6	3						
					Middle	2.4	0.0	104	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						2.4	0.0	102	-	-	-	-	-	-	-	-	-	-	-	-				-	-	3
					Bottom	3.7	0.0	88	27.0	7.9	7.9	23.7	23.7	68.5	68.5	4.8	4.8	5.1	5.1	4				4		
						3.7	0.1	83	27.0	7.9	7.9	23.7	23.7	68.5	68.5	4.8	4.8	5.2	5.2	3				4		
SR2	Cloudy	Moderate	11:42	4.9	Surface	1.0	0.8	32	28.2	8.1	8.1	21.3	21.3	91.8	91.8	6.4	6.4	2.4	2.4	3	3	821476	814183			
						1.0	0.7	29	28.2	8.1	8.1	21.3	21.3	91.8	91.8	6.4	6.4	2.4	2.4	2						
					Middle	-	0.7	34	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						-	0.7	37	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	3.9	0.7	45	27.2	8.0	8.0	23.1	23.1	73.5	73.5	5.1	5.1	3.3	3.3	4				4		
						3.9	0.8	40	27.2	8.0	8.0	23.1	23.1	73.5	73.5	5.1	5.1	3.3	3.3	4				3		
SR3	Cloudy	Moderate	10:26	8.9	Surface	1.0	0.5	170	28.1	7.9	7.9	23.5	23.5	76.0	75.9	5.2	5.2	3.4	3.4	4	3	822149	807567			
						1.0	0.5	173	28.1	7.9	7.9	23.6	23.6	75.8	75.8	5.2	5.2	3.6	3.6	4						
					Middle	4.5	0.5	164	27.5	7.9	7.9	25.9	25.9	66.7	66.7	4.6	4.6	8.6	8.6	3				3		
						4.5	0.5	162	27.5	7.9	7.9	26.0	26.0	66.6	66.6	4.6	4.6	8.2	8.2	3				3		
					Bottom	7.9	0.5	179	27.4	7.9	7.9	26.4	26.4	66.2	66.2	4.5	4.5	8.0	8.0	2				2		
						7.9	0.5	177	27.4	7.9	7.9	26.4	26.4	66.2	66.2	4.5	4.5	7.5	7.5	3				3		
SR4A	Rainy	Moderate	12:06	8.3	Surface	1.0	0.0	78	27.9	8.0	8.0	25.9	26.0	88.1	87.8	6.0	6.0	8.5	8.5	3	4	817183	807817			
						1.0	0.0	80	27.8	8.0	8.0	26.0	26.0	87.5	87.5	6.0	6.0	8.1	8.1	3						
					Middle	4.2	0.0	76	27.5	8.0	8.0	26.8	26.8	77.5	77.6	5.3	5.3	9.5	9.4	3				4		
						4.2	0.1	76	27.5	8.0	8.0	26.8	26.8	77.6	77.6	5.3	5.3	9.4	9.4	4				4		
					Bottom	7.3	0.0	104	27.4	8.0	8.0	27.1	27.1	72.7	72.7	5.0	5.0	8.8	8.8	5				5		
						7.3	0.0	100	27.4	8.0	8.0	27.1	27.1	72.7	72.7	5.0	5.0	8.5	8.5	4				4		
SR8	Cloudy	Moderate	11:01	5.1	Surface	1.0	-	-	27.6	8.0	8.0	22.2	22.2	85.3	85.3	5.9	5.9	2.7	2.7	4	4	820406	811629			
						1.0	-	-	27.6	8.0	8.0	22.2	22.2	85.3	85.3	5.9	5.9	2.8	2.8	3						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	4
					Bottom	4.1	-	-	27.2	8.0	8.0	23.2	23.2	71.4	71.4	5.0	5.0	4.2	4.2	4				4		
						4.1	-	-	27.2	8.0	8.0	23.2	23.2	71.4	71.4	5.0	5.0	4.2	4.2	5				4		

DA: Depth-Averaged

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	03:52	8.2	Surface	1.0	0.2	35	26.5	26.5	7.9	7.9	29.1	29.2	63.3	63.2	4.3	4.0	3.5	3.5	5	5	815599	804238
						1.0	0.2	30	26.5		7.9	7.9	29.3	29.2	63.0	63.2	4.3		3.5					
					Middle	4.1	0.3	35	26.2	26.2	7.8	7.8	29.9	29.9	54.4	55.3	3.7	3.8	3.5	3.4	5			
						4.1	0.2	32	26.2		7.8	7.8	29.9	29.9	56.1	55.3	3.8		3.4		4			
					Bottom	7.2	0.2	11	26.0	26.0	7.8	7.8	30.6	30.6	54.7	54.9	3.7	3.8	3.5	3.5	4			
						7.2	0.2	16	26.0		7.8	7.8	30.6	30.6	55.1	54.9	3.8		3.5		5			
C2	Cloudy	Moderate	05:36	11.5	Surface	1.0	0.6	358	28.1	28.1	7.9	7.9	22.3	22.2	77.6	77.7	5.4	4.8	4.1	4.2	5	5	825705	806962
						1.0	0.6	356	28.1		7.9	7.9	22.1	22.2	77.7	77.7	5.4		4.2					
					Middle	5.8	0.5	354	26.6	26.6	7.9	7.9	28.5	28.6	61.7	61.7	4.2	4.3	8.9	9.0	4			
						5.8	0.5	353	26.6		7.9	7.9	28.6	28.6	61.7	61.7	4.2		9.0		5			
					Bottom	10.5	0.6	329	26.5	26.5	7.9	7.9	28.9	28.9	62.2	62.4	4.3	4.3	9.3	9.2	4			
						10.5	0.6	327	26.5		7.9	7.9	29.0	28.9	62.5	62.4	4.3		9.2		5			
C3	Fine	Moderate	03:19	10.2	Surface	1.0	0.3	265	27.2	27.2	8.0	8.0	23.9	23.9	81.7	81.7	5.7	5.4	1.4	1.5	4	4	822113	817784
						1.0	0.3	270	27.2		8.0	8.0	23.9	23.9	81.7	81.7	5.7		1.5					
					Middle	5.1	0.3	286	26.6	26.6	8.0	8.0	25.2	25.2	72.2	72.2	5.0	4.1	1.8	1.8	4			
						5.1	0.3	279	26.6		8.0	8.0	25.2	25.2	72.2	72.2	5.0		1.8		4			
					Bottom	9.2	0.3	256	25.1	25.1	8.0	8.0	29.1	29.1	59.1	59.2	4.1	4.1	6.4	6.5	4			
						9.2	0.3	256	25.1		8.0	8.0	29.1	29.1	59.2	59.2	4.1		6.5		3			
IM1	Rainy	Moderate	04:12	6.3	Surface	1.0	0.2	5	27.1	27.1	7.9	7.9	27.6	27.6	71.5	71.5	4.9	4.5	3.9	3.9	3	4	818370	806443
						1.0	0.1	8	27.1		7.9	7.9	27.6	27.6	71.5	71.5	4.9		3.9					
					Middle	3.2	0.2	25	25.9	25.9	7.9	7.9	30.6	30.6	59.8	59.8	4.1	3.8	9.7	9.3	4			
						3.2	0.2	30	25.9		7.9	7.9	30.6	30.6	59.8	59.8	4.1		9.3		5			
					Bottom	5.3	0.3	351	25.8	25.8	7.9	7.9	30.7	30.7	55.1	55.2	3.8	3.8	10.1	10.5	5			
						5.3	0.3	351	25.8		7.9	7.9	30.7	30.7	55.3	55.2	3.8		10.5		5			
IM2	Rainy	Moderate	04:19	6.8	Surface	1.0	0.2	359	27.2	27.2	8.0	8.0	27.0	27.1	75.4	75.4	5.1	4.6	4.5	4.5	4	4	819195	806224
						1.0	0.3	354	27.2		8.0	8.0	27.1	27.1	75.4	75.4	5.1		4.5					
					Middle	3.4	0.2	9	26.2	26.2	7.9	7.9	29.7	29.7	58.3	58.4	4.0	4.1	7.5	7.7	4			
						3.4	0.2	4	26.2		7.9	7.9	29.7	29.7	58.4	58.4	4.0		7.7		4			
					Bottom	5.8	0.2	15	26.2	26.2	7.9	7.9	29.7	29.7	59.3	59.4	4.1	4.1	9.4	9.1	3			
						5.8	0.2	22	26.2		7.9	7.9	29.7	29.7	59.5	59.4	4.1		9.1		4			
IM7	Rainy	Moderate	04:48	8.2	Surface	1.0	0.2	322	28.2	28.2	8.0	8.0	23.9	23.9	88.2	88.2	6.0	5.6	2.5	2.5	4	4	821347	806842
						1.0	0.1	318	28.1		8.0	8.0	24.0	23.9	88.2	88.2	6.0		2.5					
					Middle	4.1	0.2	336	27.7	27.7	7.9	7.9	24.6	24.7	76.0	75.9	5.2	4.1	3.8	4.0	4			
						4.1	0.2	339	27.6		7.9	7.9	24.7	24.7	75.7	75.9	5.2		4.0		4			
					Bottom	7.2	0.2	335	26.5	26.5	7.9	7.9	28.9	28.9	59.1	59.3	4.0	4.1	8.4	8.2	5			
						7.2	0.2	336	26.5		7.9	7.9	28.9	28.9	59.4	59.3	4.1		8.2		4			

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 August 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Fine	Moderate	04:45	7.7	Surface	1.0	0.5	279	27.7	27.7	8.0	8.0	21.0	21.0	82.7	82.7	5.8	5.6	1.5	2.9	5	5	822245	809845		
						1.0	0.5	285	27.7		8.0	8.0	21.0	21.0	82.7	82.7	5.8		1.5		4					
					Middle	3.9	0.4	308	27.6	27.6	8.0	8.0	21.6	21.6	76.6	76.6	5.4	4.1	1.9	4.1	5				4.1	5
						3.9	0.5	306	27.6		8.0	8.0	21.6	21.6	76.5	76.5	5.3		2.0		4					
					Bottom	6.7	0.5	270	25.8	25.8	7.9	7.9	27.2	27.2	59.1	59.2	4.1	4.1	5.2	4.1	5				4.1	5
						6.7	0.4	266	25.8		7.9	7.9	27.2	27.2	59.2	59.2	4.1		5.0		4					
IM11	Fine	Moderate	04:36	6.6	Surface	1.0	0.4	294	27.6	27.6	8.0	8.0	22.4	22.4	82.5	82.5	5.7	5.6	2.1	3.0	4	4	821490	810561		
						1.0	0.4	289	27.6		8.0	8.0	22.4	22.4	82.5	82.5	5.7		2.1		4					
					Middle	3.3	0.5	289	27.4	27.4	8.0	8.0	22.7	22.7	79.4	79.4	5.5	4.6	2.0	4.6	3				4.6	3
						3.3	0.5	295	27.4		8.0	8.0	22.7	22.7	79.3	79.3	5.5		2.0		3					
					Bottom	5.6	0.5	295	26.2	26.2	7.9	7.9	25.9	25.9	66.4	66.4	4.6	4.6	4.9	4.6	4				4.6	4
						5.6	0.5	298	26.2		7.9	7.9	25.9	25.9	66.4	66.4	4.6		4.9		4					
IM12	Fine	Moderate	04:27	6.3	Surface	1.0	0.5	274	27.2	27.2	7.9	7.9	23.3	23.3	75.8	75.8	5.3	5.1	2.1	2.9	4	4	821163	811510		
						1.0	0.5	270	27.2		7.9	7.9	23.3	23.3	75.8	75.8	5.3		2.1		3					
					Middle	3.2	0.4	295	27.0	27.0	7.9	7.9	23.9	23.9	69.4	69.4	4.8	4.3	3.1	4.3	5				4.3	5
						3.2	0.4	296	27.0		7.9	7.9	23.9	23.9	69.3	69.3	4.8		3.1		4					
					Bottom	5.3	0.4	301	25.6	25.6	7.9	7.9	27.9	27.9	62.0	62.1	4.3	4.3	3.4	4.3	4				4.3	4
						5.3	0.4	300	25.6		7.9	7.9	27.9	27.9	62.1	62.1	4.3		3.4		4					
SR1A	Fine	Calm	03:52	4.1	Surface	1.0	0.0	185	26.7	26.7	7.9	7.9	24.5	24.5	63.7	63.7	4.5	4.5	2.6	3.6	3	4	819972	812656		
						1.0	0.0	178	26.7		7.9	7.9	24.5	24.5	63.7	63.7	4.5		2.6		4					
					Middle	2.1	0.0	198	-	-	-	-	-	-	-	-	-	4.4	-	4.4	-				4.4	-
						2.1	0.0	203	-		-	-	-	-	-	-	-		-		-					-
					Bottom	3.1	0.0	211	26.3	26.3	7.9	7.9	25.6	25.6	62.4	62.5	4.4	4.4	4.6	4.4	3				4.4	3
						3.1	0.0	210	26.3		7.9	7.9	25.6	25.6	62.5	62.5	4.4		4.5		4					
SR2	Fine	Moderate	03:37	4.3	Surface	1.0	0.1	277	27.6	27.6	8.1	8.1	23.1	23.1	87.1	87.1	6.0	6.0	1.7	2.0	3	3	821443	814161		
						1.0	0.0	278	27.6		8.1	8.1	23.1	23.1	87.1	87.1	6.0		1.7		4					
					Middle	-	0.1	250	-	-	-	-	-	-	-	-	-	5.5	-	5.5	-				5.5	-
						-	0.1	249	-		-	-	-	-	-	-	-		-		-					-
					Bottom	3.3	0.1	261	27.0	27.0	8.0	8.0	24.4	24.4	78.8	78.8	5.5	4.3	2.2	4.3	3				4.3	3
						3.3	0.1	255	27.0		8.0	8.0	24.4	24.4	78.8	78.8	5.5		2.5		3					
SR3	Cloudy	Moderate	05:00	8.8	Surface	1.0	0.3	330	28.9	28.9	8.0	8.0	20.8	20.8	86.2	86.1	5.9	5.1	3.0	5.7	4	4	822136	807553		
						1.0	0.4	327	28.8		8.0	8.0	20.8	20.8	86.0	86.0	5.9		3.0		3					
					Middle	4.4	0.3	321	27.2	27.2	7.9	7.9	26.9	26.9	63.1	63.1	4.3	4.3	4.4	4.3	4				4.3	4
						4.4	0.3	322	27.2		7.9	7.9	26.9	26.9	63.1	63.1	4.3		4.5		4					
					Bottom	7.8	0.3	314	27.1	27.1	7.9	7.9	27.3	27.3	63.2	63.3	4.3	3.9	9.4	3.9	3				3.9	3
						7.8	0.3	319	27.1		7.9	7.9	27.3	27.3	63.3	63.3	4.3		10.1		4					
SR4A	Cloudy	Moderate	03:28	8.4	Surface	1.0	0.0	269	27.2	27.2	7.9	7.9	27.4	27.4	71.0	71.0	4.8	4.5	4.5	4.8	3	4	817204	807833		
						1.0	0.1	272	27.2		7.9	7.9	27.5	27.4	71.0	71.0	4.8		4.5		5					
					Middle	4.2	0.1	251	26.4	26.4	7.8	7.8	29.3	29.3	60.2	60.2	4.1	3.9	5.2	3.9	4				3.9	4
						4.2	0.1	257	26.4		7.8	7.8	29.3	29.3	60.2	60.2	4.1		5.2		4					
					Bottom	7.4	0.0	243	26.3	26.3	7.8	7.8	30.0	30.0	56.6	56.8	3.9	4.3	4.9	4.3	5				4.3	5
						7.4	0.1	236	26.3		7.8	7.8	30.0	30.0	56.9	56.9	3.9		4.9		4					
SR8	Fine	Calm	04:18	4.4	Surface	1.0	-	-	27.5	27.5	8.0	8.0	22.8	22.8	78.6	78.6	5.5	5.5	1.9	2.0	3	4	820377	811624		
						1.0	-	-	27.5		8.0	8.0	22.8	22.8	78.6	78.6	5.5		1.9		4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	5.3	-				5.3	-
						-	-	-	-		-	-	-	-	-	-	-		-		-					-
					Bottom	3.4	-	-	27.1	27.1	8.0	8.0	23.8	23.8	75.8	75.8	5.3	4.3	2.0	4.3	4				4.3	4
						3.4	-	-	27.1		8.0	8.0	23.8	23.8	75.8	75.8	5.3		2.0		4					

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	13:11	8.4	Surface	1.0	0.6	220	26.1	26.1	7.9	7.9	30.7	30.8	71.5	71.5	4.9	4.6	4.0	4.7	6	5	-	-	815609	804269
						1.0	0.6	217	26.1		7.9		30.9		71.5		4.9		4.2		5		-			
					Middle	4.2	0.6	192	25.4	7.9	7.9	32.5	32.5	62.2	62.3	4.2	4.3	4.8	6	-	-					
						4.2	0.6	193	25.4	7.9	7.9	32.5	32.5	62.3	62.3	4.3	4.3	4.8	5	-	-					
					Bottom	7.4	0.6	195	25.4	7.9	7.9	32.5	32.5	64.6	64.7	4.4	4.4	5.2	5	-	-					
						7.4	0.6	199	25.4	7.9	7.9	32.5	32.5	64.8	64.8	4.4	4.4	5.2	4	-	-					
C2	Cloudy	Rough	11:30	11.5	Surface	1.0	0.2	168	26.7	26.7	7.9	7.9	28.4	28.5	62.9	62.9	4.3	4.1	5.5	8.0	7	7	-	-	825682	806934
						1.0	0.2	172	26.6		7.9		28.5		62.9		4.3		5.5		8		-			
					Middle	5.8	0.2	168	26.0	7.9	7.9	30.4	30.4	57.7	57.6	4.0	3.9	8.8	6	-	-					
						5.8	0.2	175	25.9	7.9	7.9	30.5	30.4	57.5	57.5	3.9	3.9	9.3	6	-	-					
					Bottom	10.5	0.2	164	26.0	7.9	7.9	31.0	30.9	56.7	56.8	3.9	3.9	9.7	7	-	-					
						10.5	0.2	170	26.1	7.9	7.9	30.9	30.9	56.8	56.8	3.9	3.9	9.1	6	-	-					
C3	Misty	Moderate	12:27	10.6	Surface	1.0	0.4	93	25.1	25.1	8.0	8.0	28.8	28.8	61.4	61.4	4.3	4.3	1.1	1.6	5	4	-	-	822086	817792
						1.0	0.5	86	25.0		8.0		28.9		61.4		61.4		4.3		1.1		4			
					Middle	5.3	0.5	72	24.6	8.0	8.0	29.8	29.8	61.1	61.2	4.3	4.3	1.8	4	-	-					
						5.3	0.4	73	24.5	8.0	8.0	29.9	29.8	61.2	61.2	4.3	4.3	1.7	4	-	-					
					Bottom	9.6	0.4	94	24.4	8.0	8.0	30.0	30.0	61.9	62.0	4.4	4.4	1.9	5	-	-					
						9.6	0.5	97	24.4	8.0	8.0	30.1	30.0	62.0	62.0	4.4	4.4	1.9	4	-	-					
IM1	Rainy	Rough	12:50	6.7	Surface	1.0	0.3	199	25.7	25.7	7.9	7.9	31.6	31.6	58.7	58.7	4.0	4.1	6.7	8.9	6	6	-	-	818359	806472
						1.0	0.3	192	25.7		7.9		31.6		58.7		58.7		4.0		6.7		5			
					Middle	3.4	0.4	174	25.4	7.9	7.9	32.1	32.1	59.9	60.0	4.1	4.1	9.0	7	-	-					
						3.4	0.4	179	25.4	7.9	7.9	32.1	32.1	60.1	60.1	4.1	4.1	9.0	6	-	-					
					Bottom	5.7	0.3	181	25.3	7.9	7.9	32.4	32.4	61.9	62.0	4.2	4.2	10.8	7	-	-					
						5.7	0.4	178	25.3	7.9	7.9	32.4	32.4	62.0	62.0	4.2	4.2	10.5	7	-	-					
IM2	Cloudy	Rough	12:41	7.0	Surface	1.0	0.3	186	25.6	25.6	7.9	7.9	31.6	31.6	62.2	62.2	4.2	4.1	7.9	10.4	8	8	-	-	819181	806256
						1.0	0.3	181	25.6		7.9		31.6		62.2		62.2		4.2		8.1		6			
					Middle	3.5	0.3	185	25.4	7.9	7.9	32.2	32.2	57.3	57.4	3.9	3.9	9.9	7	-	-					
						3.5	0.3	182	25.3	7.9	7.9	32.2	32.2	57.4	57.4	3.9	3.9	9.9	7	-	-					
					Bottom	6.0	0.3	177	25.2	7.9	7.9	32.6	32.6	58.5	58.7	4.0	4.0	13.3	9	-	-					
						6.0	0.4	178	25.2	7.9	7.9	32.6	32.6	58.9	58.9	4.0	4.0	13.7	8	-	-					
IM7	Cloudy	Rough	12:16	8.2	Surface	1.0	0.3	159	26.2	26.2	7.9	7.9	30.1	30.1	63.9	63.9	4.4	4.3	5.0	8.0	7	7	-	-	821366	806855
						1.0	0.2	161	26.2		7.9		30.1		63.9		63.9		4.4		5.1		6			
					Middle	4.1	0.3	156	25.7	7.9	7.9	31.4	31.5	61.8	61.9	4.2	4.2	8.8	8	-	-					
						4.1	0.3	162	25.6	7.9	7.9	31.5	31.5	61.9	61.9	4.2	4.2	8.8	5	-	-					
					Bottom	7.2	0.2	165	25.3	7.9	7.9	32.4	32.4	57.1	57.2	3.9	3.9	11.0	6	-	-					
						7.2	0.2	171	25.3	7.9	7.9	32.4	32.4	57.2	57.2	3.9	3.9	10.0	7	-	-					

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Water Quality Monitoring

Water Quality Monitoring Results on 31 August 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Misty	Moderate	11:29	9.4	Surface	1.0	0.4	94	26.4	26.4	7.9	7.9	25.3	25.3	64.4	64.4	4.5	4.4	4.0	4.4	6	5	-	-	822238	809852		
						1.0	0.3	87	26.4	7.9	7.9	25.3	25.3	64.4	64.4	4.5	4.0		5		-							
					Middle	4.7	0.4	97	26.0	26.0	7.9	7.9	26.3	26.4	62.1	62.0	4.3	4.1	4		-							
						4.7	0.4	93	25.9	26.0	7.9	7.9	26.4	26.4	61.8	62.0	4.3	4.1	6		-							
					Bottom	8.4	0.3	90	25.9	26.0	7.9	7.9	27.1	27.1	58.1	58.2	4.1	4.1	5.3		-							
						8.4	0.4	83	26.0	26.0	7.9	7.9	27.0	27.0	58.3	58.2	4.1	4.1	5.2		6		-					
IM11	Misty	Moderate	11:34	7.6	Surface	1.0	0.4	86	26.1	26.1	7.9	7.9	26.1	26.2	64.0	64.0	4.5	4.3	4.0	5.6	5	5	-	-	821484	810539		
						1.0	0.4	81	26.1	26.1	7.9	7.9	26.2	26.2	64.0	64.0	4.5		4.1		6		-					
					Middle	3.8	0.4	106	25.6	25.6	7.9	7.9	27.3	27.3	58.4	58.4	4.1	5.7	5		-							
						3.8	0.4	110	25.6	25.6	7.9	7.9	27.3	27.3	58.4	58.4	4.1	5.7	4		-							
					Bottom	6.6	0.4	79	25.6	25.6	7.9	7.9	27.4	27.5	58.6	58.7	4.1	4.1	7.1		-							
						6.6	0.4	82	25.6	25.6	8.0	7.9	27.5	27.5	58.7	58.7	4.1	4.1	7.1		5		-					
IM12	Misty	Moderate	11:39	7.6	Surface	1.0	0.4	104	26.2	26.2	7.9	7.9	25.9	25.9	61.2	61.1	4.3	4.2	3.9	4.4	5	5	-	-	821184	811499		
						1.0	0.4	110	26.2	26.2	7.9	7.9	25.9	25.9	60.9	61.1	4.3		4.0		4		-					
					Middle	3.8	0.4	89	25.8	25.8	7.9	7.9	26.9	26.9	58.8	58.9	4.1	4.1	6		-							
						3.8	0.5	82	25.8	25.8	7.9	7.9	26.9	26.9	58.9	58.9	4.1	4.1	5		-							
					Bottom	6.6	0.5	94	25.8	25.8	7.9	7.9	26.9	26.9	59.6	59.7	4.2	4.2	5.1		-							
						6.6	0.5	94	25.8	25.8	7.9	7.9	26.9	26.9	59.7	59.7	4.2	4.2	5.1		4		-					
SR1A	Misty	Moderate	11:55	4.4	Surface	1.0	0.1	59	25.5	25.5	7.9	7.9	27.8	27.8	56.6	56.6	4.0	4.0	4.8	4.9	3	3	-	-	819982	812664		
						1.0	0.1	61	25.5	-	-	-	-	-	-	-	4.0		4.8		3		-					
					Middle	2.2	0.0	41	-	-	-	-	-	-	-	-	-	-	-		-		-					
						2.2	0.0	38	-	-	-	-	-	-	-	-	-	-	-		-		-					
					Bottom	3.4	0.1	80	25.5	25.6	7.9	7.9	27.8	27.7	56.9	56.9	4.0	4.0	5.1		-							
						3.4	0.1	83	25.6	25.6	7.9	7.9	27.7	27.7	56.9	56.9	4.0	4.0	5.1		4		-					
SR2	Misty	Moderate	12:11	5.0	Surface	1.0	0.5	64	25.9	25.9	7.9	7.9	26.9	27.0	63.6	63.5	4.4	4.4	3.2	3.9	4	3	-	-	821442	814185		
						1.0	0.5	67	25.8	-	-	-	-	-	-	-	4.4		3.4		4		-					
					Middle	-	0.5	47	-	-	-	-	-	-	-	-	-	-	-		-		-					
						-	0.5	45	-	-	-	-	-	-	-	-	-	-	-		-		-					
					Bottom	4.0	0.4	61	25.2	25.3	7.9	7.9	28.3	28.2	64.3	64.5	4.5	4.5	4.4		-							
						4.0	0.4	66	25.3	25.3	7.9	7.9	28.2	28.2	64.6	64.5	4.5	4.5	4.5		3		-					
SR3	Cloudy	Rough	12:06	8.5	Surface	1.0	0.3	152	26.4	26.4	7.9	7.9	29.1	29.1	60.7	60.6	4.2	4.1	5.3	7.3	6	5	-	-	822126	807553		
						1.0	0.3	154	26.4	26.4	7.9	7.9	29.2	29.1	60.5	60.6	4.1		5.4		5		-					
					Middle	4.3	0.3	148	25.8	25.8	7.9	7.9	30.7	30.8	59.0	59.0	4.0	7.0	6		-							
						4.3	0.3	154	25.8	25.8	7.9	7.9	30.8	30.8	59.0	59.0	4.0	7.2	6		-							
					Bottom	7.5	0.3	155	25.6	25.6	7.9	7.9	31.7	31.7	59.9	60.0	4.1	4.1	9.5		-							
						7.5	0.3	148	25.6	25.6	7.9	7.9	31.6	31.6	60.0	60.0	4.1	4.1	9.3		5		-					
SR4A	Rainy	Moderate	13:46	9.1	Surface	1.0	0.0	33	26.5	26.5	7.9	7.9	30.0	30.0	71.8	71.8	4.8	4.6	5.1	6.7	5	6	-	-	817181	807790		
						1.0	0.1	35	26.5	26.5	7.9	7.9	30.0	30.0	71.8	71.8	4.8		5.1		6		-					
					Middle	4.6	0.0	25	25.6	25.6	7.9	7.9	31.3	31.3	63.3	63.3	4.3	7.7	6		-							
						4.6	0.0	18	25.6	25.6	7.9	7.9	31.3	31.3	63.3	63.3	4.3	7.8	6		-							
					Bottom	8.1	0.0	46	25.6	25.6	7.9	7.9	31.4	31.4	56.3	56.5	3.9	3.9	7.2		-							
						8.1	0.1	47	25.6	25.6	7.9	7.9	31.4	31.4	56.7	56.5	3.9	3.9	7.2		6		-					
SR8	Misty	Moderate	11:43	4.6	Surface	1.0	-	-	26.2	26.2	7.9	7.9	27.3	27.4	64.6	64.6	4.5	4.5	4.0	4.7	4	4	-	-	820391	811632		
						1.0	-	-	26.1	26.2	7.9	7.9	27.4	27.4	64.6	64.6	4.5		4.0		3		-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
					Bottom	3.6	-	-	25.7	25.7	7.9	7.9	27.8	27.8	64.2	64.6	4.5	4.5	5.4		-							
						3.6	-	-	25.7	25.7	7.9	7.9	27.8	27.8	65.0	64.6	4.5	4.5	5.4		3		-					

DA: Depth-Averaged
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
 Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 August 23 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA												
C1	Cloudy	Moderate	05:28	8.6	Surface	1.0	0.2	39	26.0	7.9	7.9	30.2	30.2	67.1	67.1	4.6	4.2	4.0	6.9	7	6	-	-	815614	804230											
						1.0	0.2	38	26.0	7.9	7.9	30.2	67.0	4.6	4.0	6																				
					Middle	4.3	0.2	34	25.1	7.9	7.9	32.6	32.6	55.0	55.0	3.8		6.1		7																
						4.3	0.2	36	25.1	7.9	7.9	32.6	55.0	3.8	6.1	6																				
					Bottom	7.6	0.2	16	25.1	7.9	7.9	32.6	32.6	54.6	54.7	3.7		10.6		5																
						7.6	0.2	10	25.1	7.9	7.9	32.6	54.8	3.7	10.6	4																				
					C2	Cloudy	Moderate	07:05	11.6	Surface	1.0	0.4	333	26.3	7.9	7.9		28.7		28.7		62.0				62.0	4.2	4.2	6.1	7.4	7	6	-	-	825658	806953
											1.0	0.4	332	26.3	7.9	7.9		28.7		62.0		4.2				6.1	6									
Middle	5.8	0.5	347	26.1						7.9	7.9	29.3	29.3	61.7	61.7	4.2	6.2	5																		
	5.8	0.5	352	26.1						7.9	7.9	29.3	61.7	4.2	6.2	6																				
Bottom	10.6	0.5	5	25.5						7.9	7.9	31.1	31.1	61.7	61.9	4.2	9.9	5																		
	10.6	0.4	4	25.5						7.9	7.9	31.1	62.0	4.2	9.9	5																				
C3	Misty	Moderate	06:46	10.8						Surface	1.0	0.6	264	24.8	7.9	7.9	29.3	29.3	59.7	59.7	4.2	4.1	1.1	1.9	4	3	-		-		822097		817797			
											1.0	0.6	260	24.8	8.0	8.0	29.3	59.7	4.2	1.1	3															
					Middle	5.4	0.6	277	24.8	8.0	8.0	29.3	30.0	59.7	57.6	4.2	1.5	2																		
						5.4	0.7	279	24.2	8.0	8.0	30.8	55.5	3.9	1.6	2																				
					Bottom	9.8	0.6	264	24.2	8.0	8.0	30.8	30.9	55.5	56.5	3.9	2.9	2																		
						9.8	0.6	257	24.1	8.0	8.0	31.1	57.4	4.0	3.0	3																				
					IM1	Rainy	Moderate	05:51	6.7	Surface	1.0	0.2	16	26.1	7.9	7.9	30.2	30.2	74.9	74.9	5.1		5.1		7.9		8.4	5		6		-		-	818362	806471
											1.0	0.2	21	26.1	7.9	7.9	30.2	74.8	5.1	7.8	7															
Middle	3.4	0.2	21	25.5						7.9	7.9	32.3	32.3	75.9	75.7	5.2	8.8	7																		
	3.4	0.2	19	25.4						7.9	7.9	32.3	75.5	5.1	8.8	6																				
Bottom	5.7	0.1	42	25.1						7.9	7.9	32.7	32.7	63.6	63.7	4.3	8.6	5																		
	5.7	0.2	47	25.1						7.9	7.9	32.7	63.7	4.4	8.8	5																				
IM2	Rainy	Moderate	05:56	6.9						Surface	1.0	0.2	359	26.0	8.0	8.0	31.0	30.9	78.2	78.1	5.3	5.1		5.2	7.8	3		6	-		-	819163	806245			
											1.0	0.2	358	26.0	8.0	8.0	30.9	78.0	5.3	5.2	6															
					Middle	3.5	0.2	14	25.3	8.0	7.9	32.4	32.4	71.5	71.5	4.9	6.3	6																		
						3.5	0.1	17	25.3	7.9	7.9	32.5	71.5	4.9	6.9	8																				
					Bottom	5.9	0.1	337	25.1	7.9	7.9	32.8	32.8	66.9	67.1	4.6	11.7	6																		
						5.9	0.1	337	25.1	7.9	7.9	32.8	67.2	4.6	11.6	5																				
					IM7	Rainy	Moderate	06:27	8.2	Surface	1.0	0.2	308	26.1	7.9	7.9	28.9	28.9	66.7	66.7	4.6		4.5	5.0		8.3	5		6	-				-	821328	806817
											1.0	0.3	313	26.0	7.9	7.9	28.9	66.6	4.6	5.2	6															
Middle	4.1	0.2	298	25.4						7.9	7.9	31.5	31.5	64.7	64.6	4.4	8.9	6																		
	4.1	0.2	294	25.4						7.9	7.9	31.6	64.5	4.4	9.9	5																				
Bottom	7.2	0.2	308	25.2						7.9	7.9	32.3	32.3	61.4	61.7	4.2	10.2	6																		
	7.2	0.2	308	25.2						7.9	7.9	32.3	62.0	4.2	10.5	5																				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on

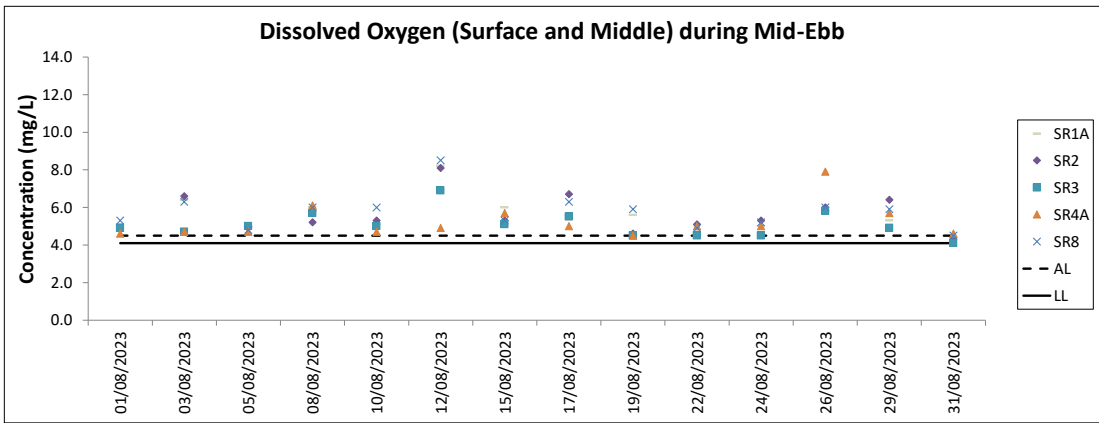
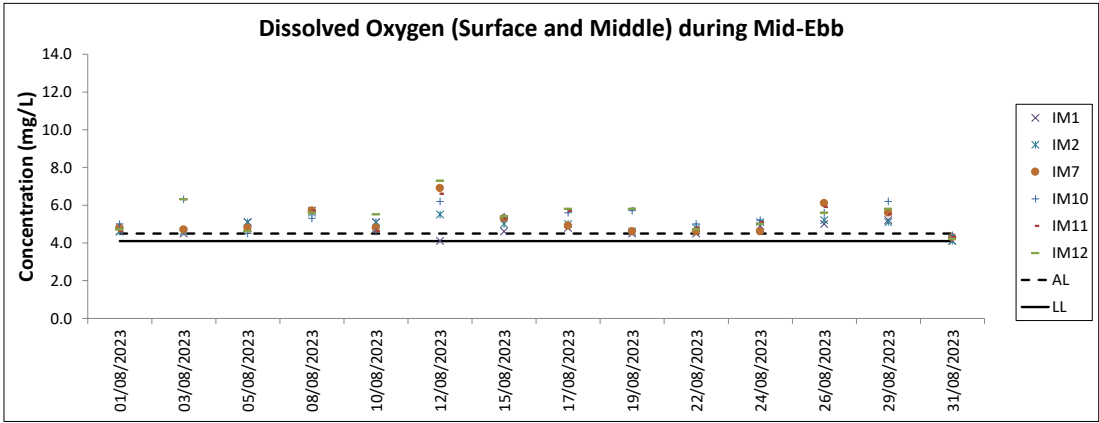
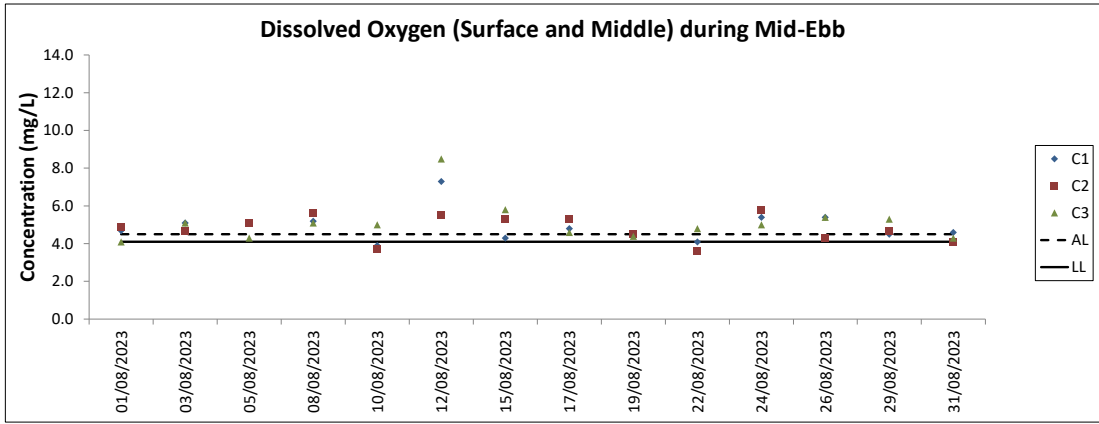
31 August 23 during Mid-Flood Tide

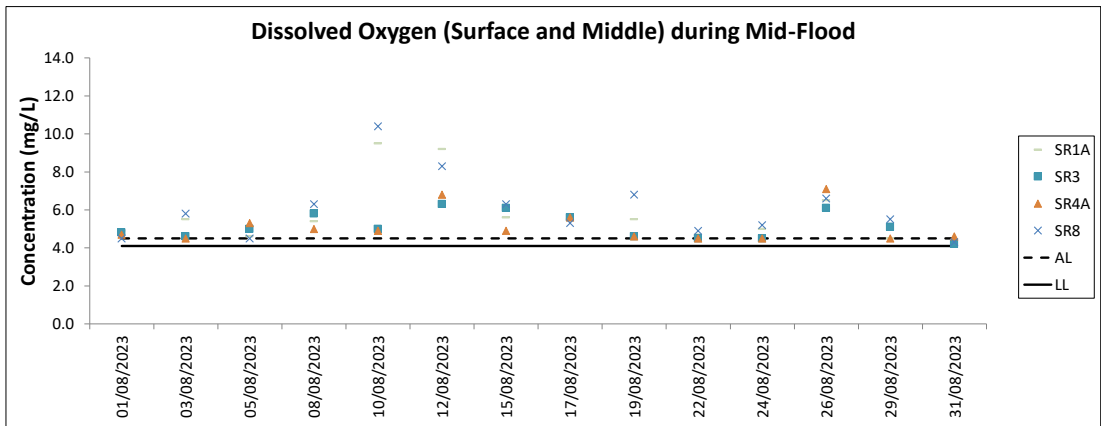
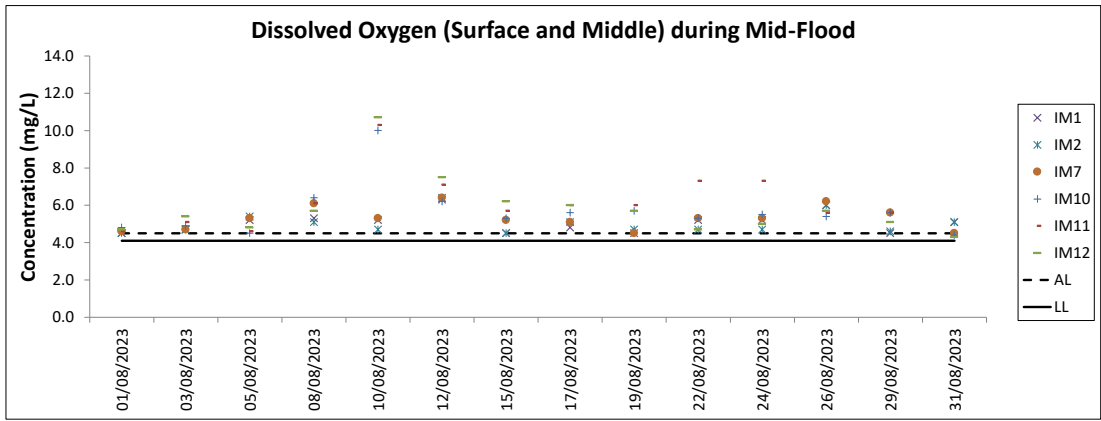
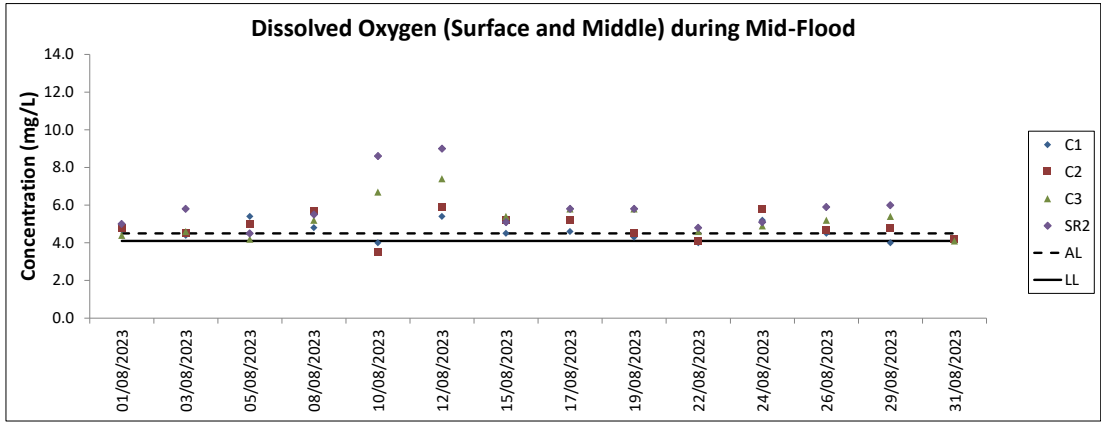
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
IM10	Misty	Moderate	08:03	9.8	Surface	1.0	0.5	300	26.5	26.5	7.9	7.9	25.3	25.3	65.4	65.4	4.6	4.1	5.7	4	-	-	822233	809817		
						1.0	0.4	303	26.4	7.9	7.9	25.4	25.3	65.3	65.4	4.6	4.1	5								
						4.9	0.4	281	25.8	7.9	7.9	26.8	26.8	58.6	58.6	4.1	6.1	4								
					4.9	0.4	288	25.8	7.9	7.9	26.9	26.8	58.5	58.6	4.1	6.0	3									
					8.8	0.4	313	25.7	7.9	7.9	27.1	27.1	59.0	59.1	4.1	7.0	4									
					8.8	0.4	307	25.7	7.9	7.9	27.1	27.1	59.1	59.1	4.1	7.1	4									
IM11	Misty	Moderate	07:56	8.0	Surface	1.0	0.5	290	26.2	26.2	7.9	7.9	25.2	25.2	65.1	65.0	4.6	4.9	6.2	3	-	-	821488	810538		
						1.0	0.5	286	26.2	7.9	7.9	25.3	25.2	64.9	65.0	4.6	5.0	2								
						4.0	0.5	286	25.4	7.9	7.9	27.9	27.9	57.4	57.4	4.0	6.0	3								
					4.0	0.5	281	25.3	7.9	7.9	28.0	27.9	57.4	57.4	4.0	6.1	4									
					7.0	0.6	261	25.1	7.9	7.9	28.6	28.6	57.9	58.0	4.1	7.6	5									
					7.0	0.5	258	25.1	7.9	7.9	28.6	28.6	58.0	58.0	4.1	7.6	3									
IM12	Misty	Moderate	07:49	8.2	Surface	1.0	0.6	296	26.0	26.0	7.9	7.9	26.4	26.4	62.1	62.1	4.3	2.7	3.6	4	-	-	821138	811505		
						1.0	0.6	295	26.0	7.9	7.9	26.5	26.4	62.0	62.1	4.3	2.7	4								
						4.1	0.6	286	25.6	7.9	7.9	27.3	27.4	61.5	61.6	4.3	3.4	4								
					4.1	0.5	289	25.6	7.9	7.9	27.4	27.4	61.6	61.6	4.3	3.4	4									
					7.2	0.6	281	25.1	7.9	7.9	28.5	28.5	62.9	63.1	4.4	4.9	4									
					7.2	0.6	282	25.1	7.9	7.9	28.5	28.5	63.2	63.1	4.4	4.8	4									
SR1A	Misty	Moderate	07:24	4.8	Surface	1.0	-	187	26.6	26.6	7.9	7.9	25.1	25.1	63.8	63.8	4.4	4.9	5.2	4	-	-	819971	812666		
						1.0	0.0	188	26.6	7.9	7.9	25.1	25.1	63.8	63.8	4.4	4.9	4								
						2.4	0.0	183	-	-	-	-	-	-	-	-	-	-			-					
					2.4	0.0	178	-	-	-	-	-	-	-	-	-	-	-								
					3.8	0.0	184	25.0	8.0	8.0	28.9	28.9	64.6	64.9	4.5	5.6	4									
					3.8	0.1	182	25.0	8.0	8.0	28.9	28.9	65.1	64.9	4.6	5.6	4									
SR2	Misty	Moderate	07:09	5.8	Surface	1.0	0.1	246	25.9	25.9	8.0	8.0	26.7	26.8	63.1	63.1	4.4	3.8	4.4	3	-	-	821485	814161		
						1.0	0.1	246	25.9	8.0	8.0	26.8	26.8	63.1	63.1	4.4	3.7	3								
						-	0.1	262	-	-	-	-	-	-	-	-	-	-								
					-	0.1	267	-	-	-	-	-	-	-	-	-	-									
					4.8	0.1	271	25.1	8.0	8.0	28.5	28.5	59.1	59.2	4.2	5.1	4									
					4.8	0.1	270	25.1	8.0	8.0	28.5	28.5	59.2	59.2	4.2	5.1	3									
SR3	Cloudy	Moderate	06:39	8.6	Surface	1.0	0.3	330	26.1	26.1	7.9	7.9	28.1	28.1	66.1	65.8	4.6	7.1	10.4	6	-	-	822144	807588		
						1.0	0.3	329	26.0	7.9	7.9	28.2	28.1	65.4	65.8	4.5	7.7	7								
						4.3	0.3	334	25.4	7.9	7.9	31.6	31.6	57.1	57.2	3.9	10.8	5								
					4.3	0.3	334	25.4	7.9	7.9	31.6	31.6	57.2	57.2	3.9	10.4	6									
					7.6	0.3	311	25.7	7.9	7.9	31.1	31.1	64.3	64.3	4.4	13.3	7									
					7.6	0.3	312	25.7	7.9	7.9	31.1	31.1	64.3	64.3	4.4	13.2	6									
SR4A	Cloudy	Moderate	04:59	8.9	Surface	1.0	0.0	266	26.2	26.2	7.8	7.8	29.7	29.7	70.2	70.2	4.8	4.8	7.3	6	-	-	817165	807825		
						1.0	0.0	258	26.2	7.8	7.8	29.7	29.7	70.2	70.2	4.8	5.0	7								
						4.5	0.0	276	25.8	7.8	7.8	30.4	30.4	62.4	62.4	4.3	7.9	6								
					4.5	0.0	280	25.8	7.8	7.8	30.4	30.4	62.4	62.4	4.3	8.0	6									
					7.9	0.0	257	25.6	7.8	7.8	31.1	31.1	52.5	52.6	3.6	9.2	6									
					7.9	0.1	253	25.6	7.8	7.8	31.1	31.1	52.6	52.6	3.6	9.2	6									
SR8	Misty	Moderate	07:44	5.2	Surface	1.0	-	-	25.6	25.6	7.9	7.9	27.8	27.9	61.5	61.6	4.3	6.3	6.7	3	-	-	820377	811616		
						1.0	-	-	25.6	7.9	7.9	27.9	27.9	61.7	61.6	4.3	6.4	4								
						-	-	-	-	-	-	-	-	-	-	-	-	-								
					-	-	-	-	-	-	-	-	-	-	-	-	-									
					4.2	-	-	25.1	7.9	7.9	28.6	28.6	63.5	63.8	4.5	7.0	2									
					4.2	-	-	25.1	7.9	7.9	28.6	28.6	64.1	63.8	4.5	7.1	2									

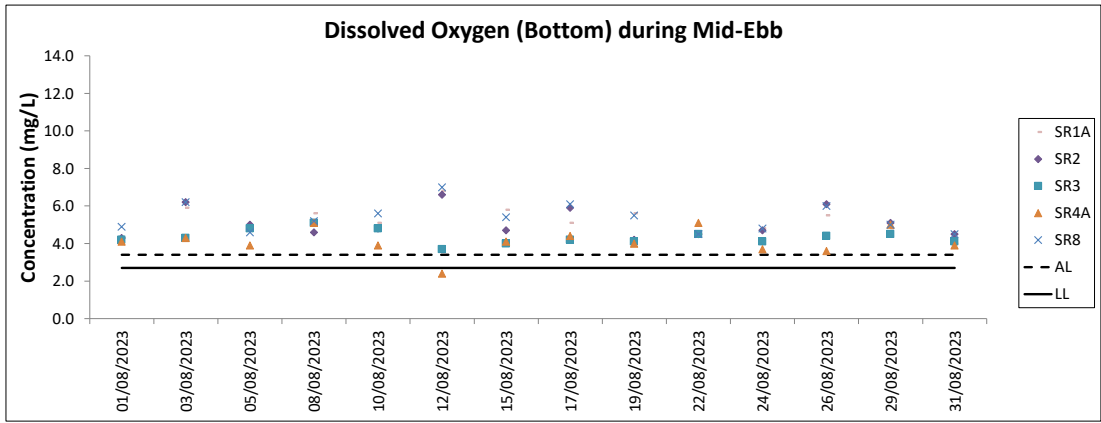
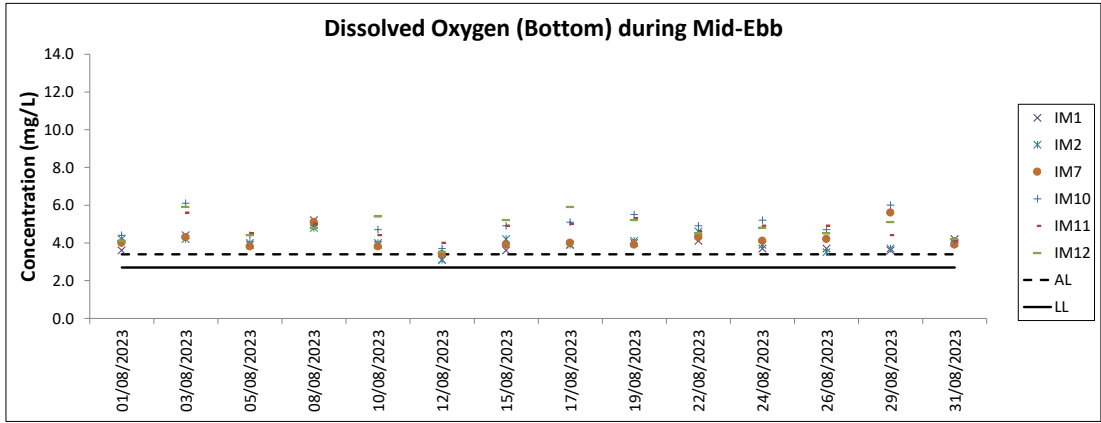
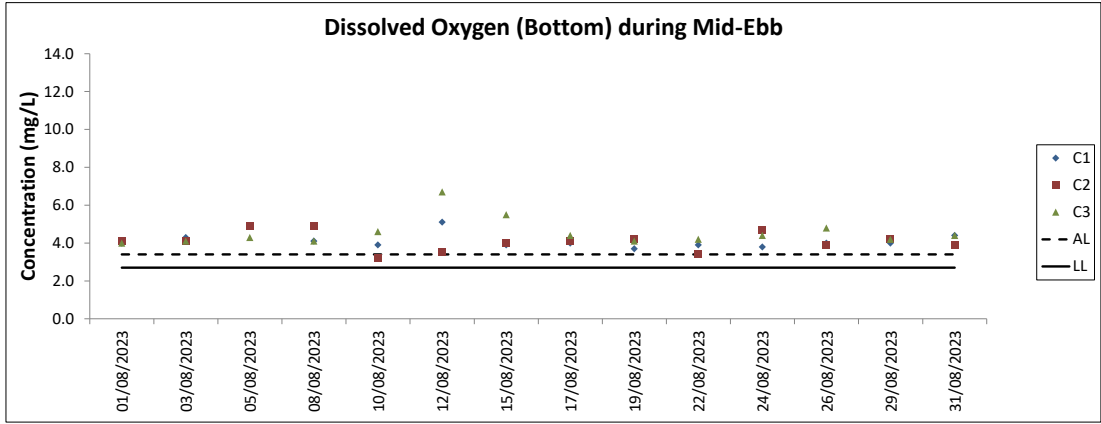
DA: Depth-Averaged

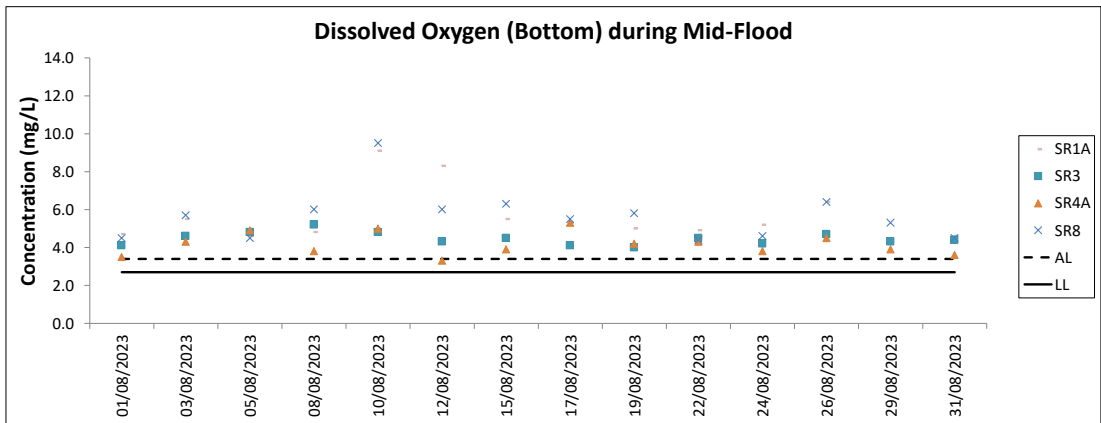
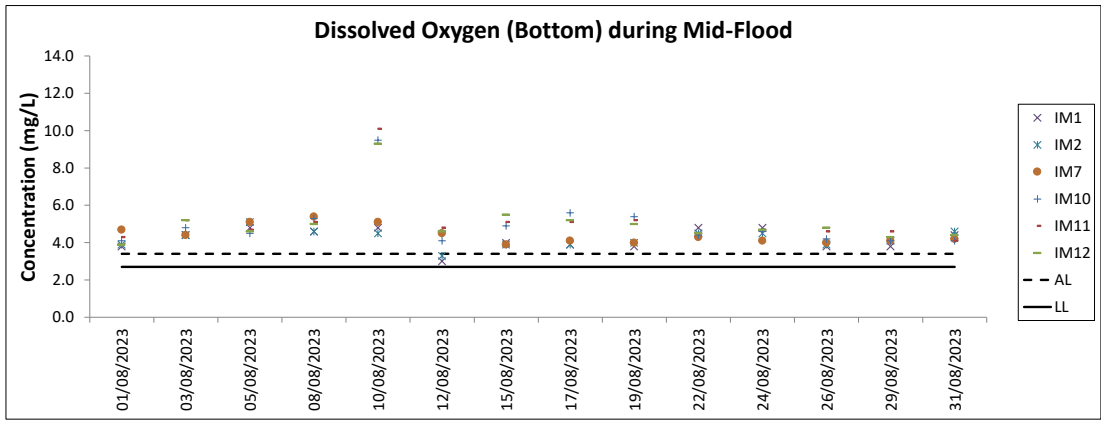
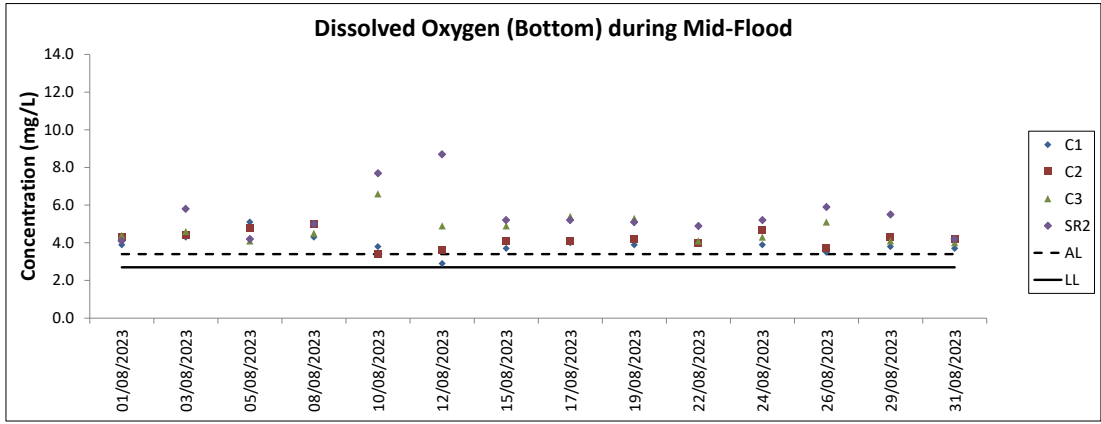
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

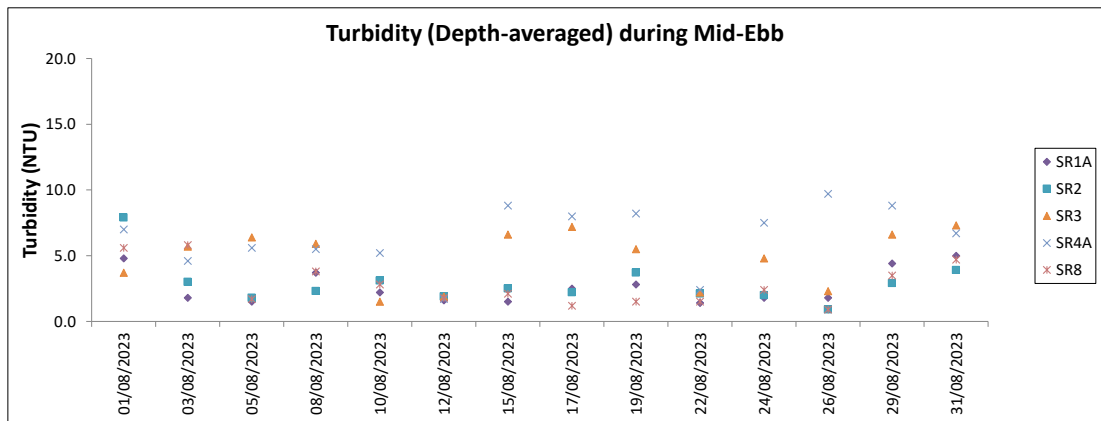
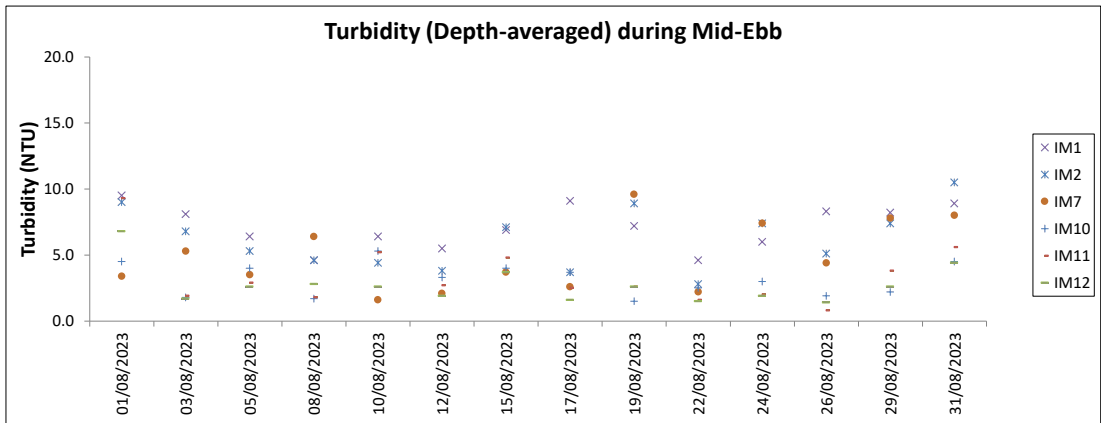
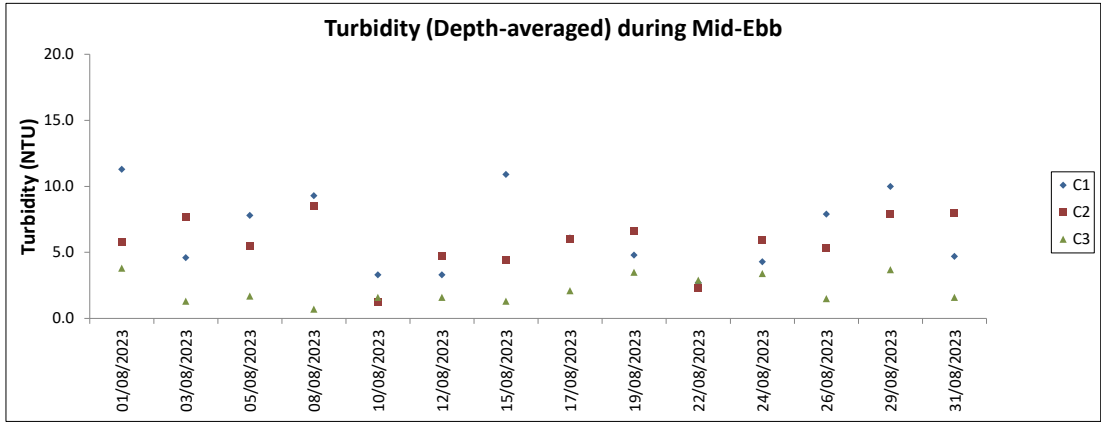
Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined



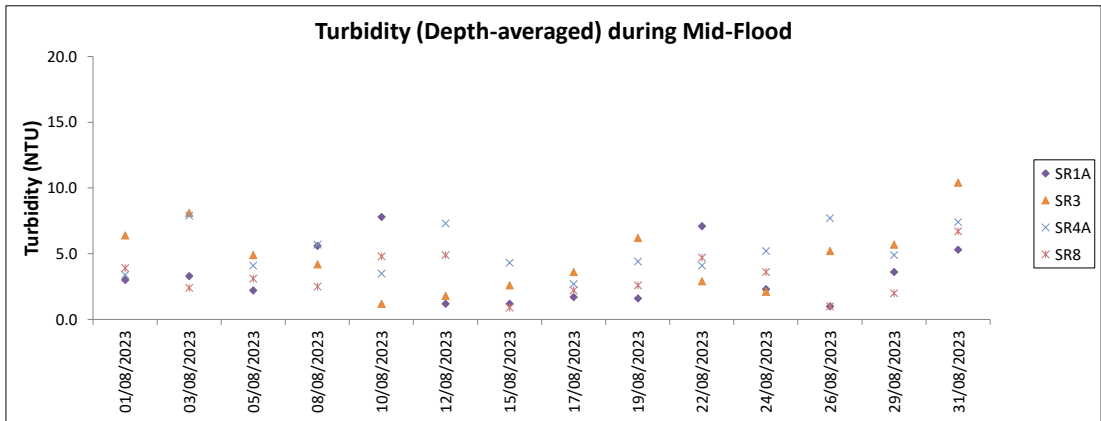
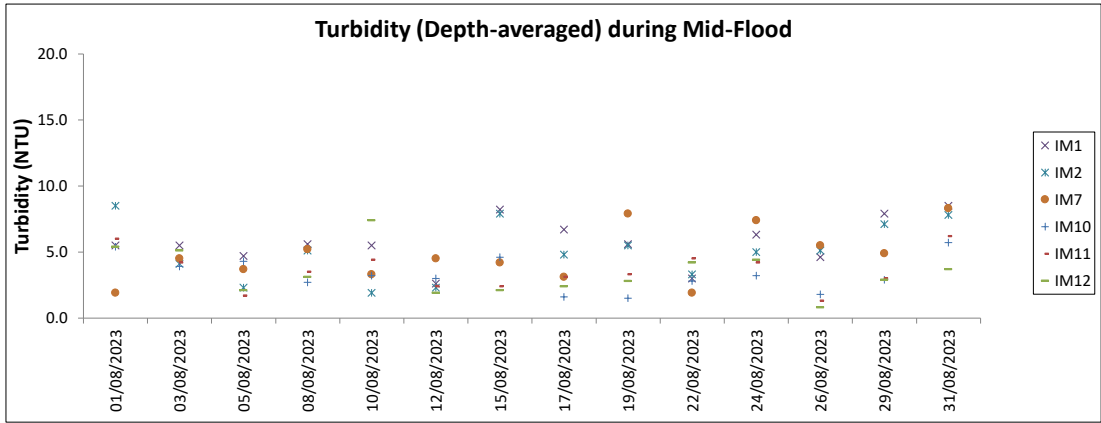
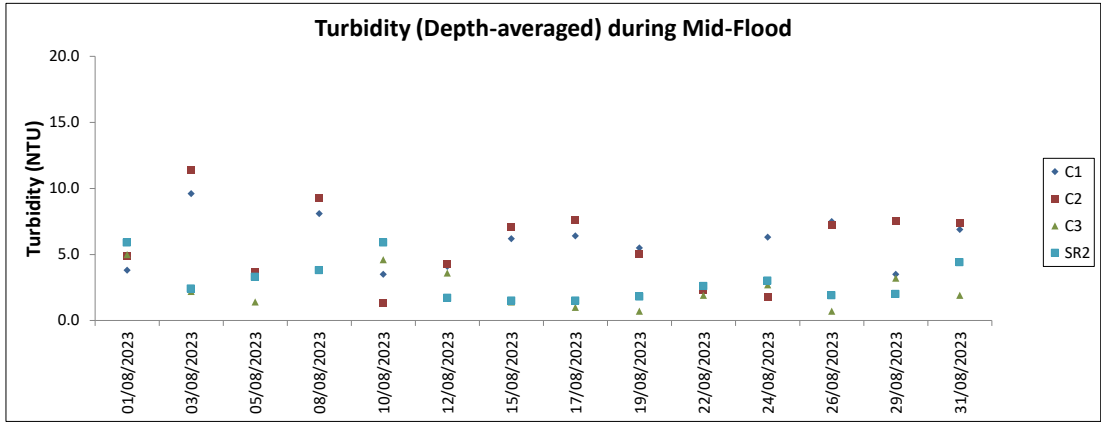




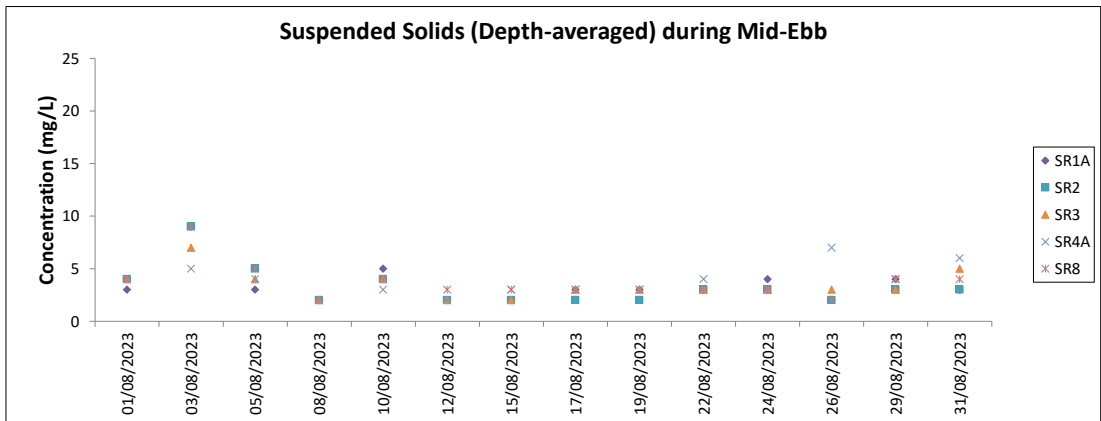
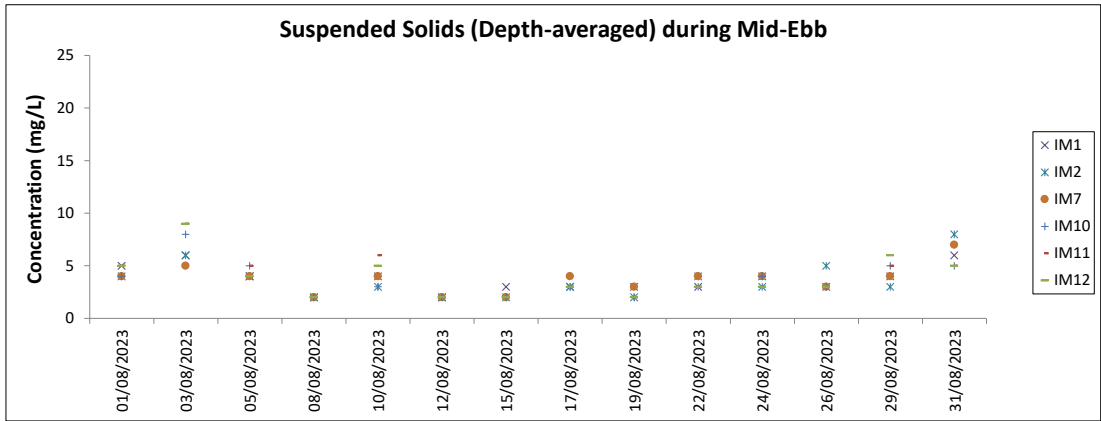
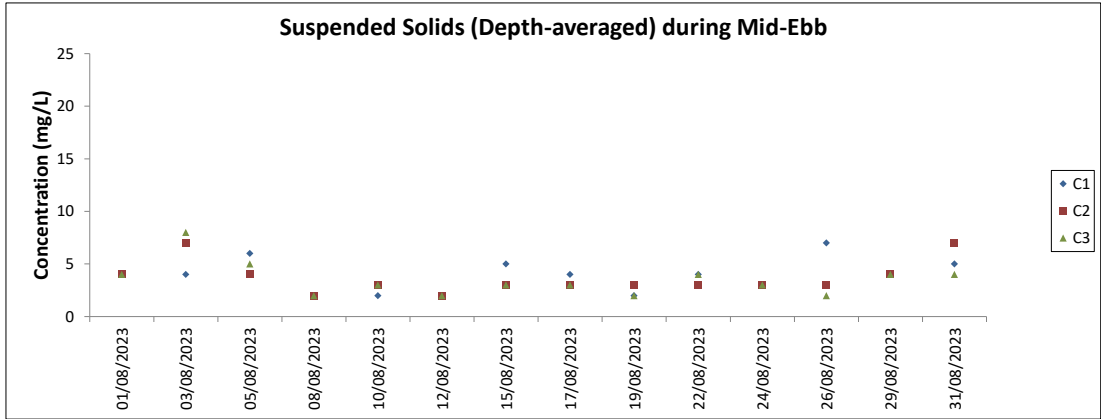




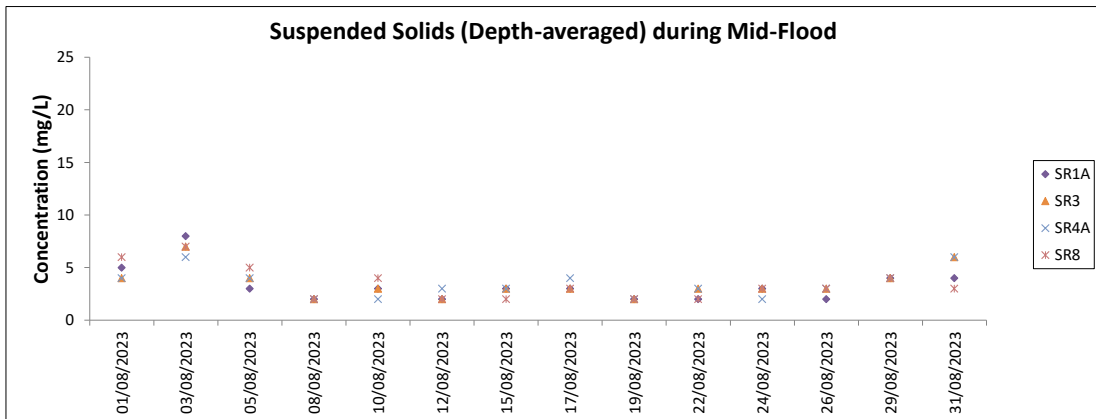
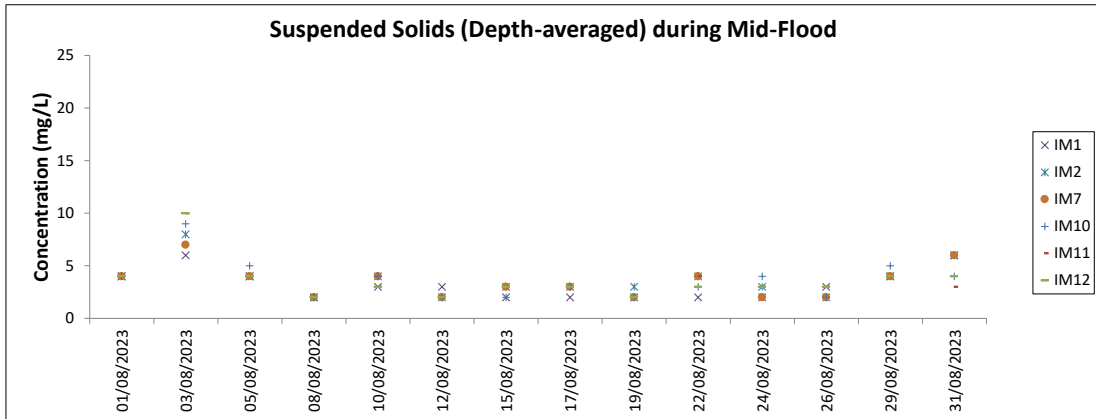
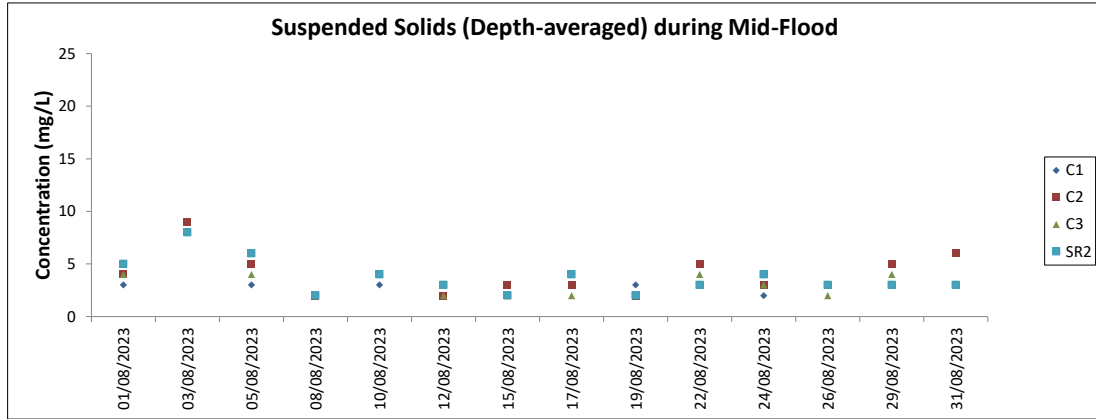
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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



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



Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report. Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report. Weather conditions during monitoring are presented in the data tables above. QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
1-Jun-23	SWL	1	6.440	SUMMER	32166	3RS ET	P
1-Jun-23	SWL	2	34.380	SUMMER	32166	3RS ET	P
1-Jun-23	SWL	3	12.900	SUMMER	32166	3RS ET	P
1-Jun-23	SWL	2	15.380	SUMMER	32166	3RS ET	S
1-Jun-23	SWL	3	1.000	SUMMER	32166	3RS ET	S
2-Jun-23	WL	2	16.884	SUMMER	32166	3RS ET	P
2-Jun-23	WL	2	8.320	SUMMER	32166	3RS ET	S
2-Jun-23	AW	1	4.790	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	2	3.480	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	3	49.220	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	4	10.900	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	3	9.600	SUMMER	32166	3RS ET	S
5-Jun-23	NWL	4	2.500	SUMMER	32166	3RS ET	S
8-Jun-23	SWL	2	0.700	SUMMER	32166	3RS ET	P
8-Jun-23	SWL	3	51.824	SUMMER	32166	3RS ET	P
8-Jun-23	SWL	4	1.013	SUMMER	32166	3RS ET	P
8-Jun-23	SWL	2	1.800	SUMMER	32166	3RS ET	S
8-Jun-23	SWL	3	13.880	SUMMER	32166	3RS ET	S
9-Jun-23	AW	2	4.650	SUMMER	32166	3RS ET	P
9-Jun-23	WL	1	1.930	SUMMER	32166	3RS ET	P
9-Jun-23	WL	2	14.782	SUMMER	32166	3RS ET	P
9-Jun-23	WL	1	2.240	SUMMER	32166	3RS ET	S
9-Jun-23	WL	2	5.948	SUMMER	32166	3RS ET	S
9-Jun-23	WL	3	0.300	SUMMER	32166	3RS ET	S
13-Jun-23	NWL	2	59.180	SUMMER	32166	3RS ET	P
13-Jun-23	NWL	3	3.100	SUMMER	32166	3RS ET	P
13-Jun-23	NWL	2	12.420	SUMMER	32166	3RS ET	S
14-Jun-23	NEL	2	37.440	SUMMER	32166	3RS ET	P
14-Jun-23	NEL	2	10.060	SUMMER	32166	3RS ET	S
20-Jun-23	NEL	2	33.080	SUMMER	32166	3RS ET	P
20-Jun-23	NEL	3	4.120	SUMMER	32166	3RS ET	P
20-Jun-23	NEL	2	10.200	SUMMER	32166	3RS ET	S
4-Jul-23	NEL	2	34.860	SUMMER	32166	3RS ET	P
4-Jul-23	NEL	3	2.000	SUMMER	32166	3RS ET	P
4-Jul-23	NEL	2	10.040	SUMMER	32166	3RS ET	S
6-Jul-23	NWL	2	15.200	SUMMER	32166	3RS ET	P
6-Jul-23	NWL	3	48.600	SUMMER	32166	3RS ET	P
6-Jul-23	NWL	3	11.700	SUMMER	32166	3RS ET	S
7-Jul-23	AW	3	4.720	SUMMER	32166	3RS ET	P
7-Jul-23	WL	3	18.416	SUMMER	32166	3RS ET	P
7-Jul-23	WL	3	9.974	SUMMER	32166	3RS ET	S
7-Jul-23	WL	4	1.030	SUMMER	32166	3RS ET	S
10-Jul-23	NEL	2	10.000	SUMMER	32166	3RS ET	P
10-Jul-23	NEL	3	26.250	SUMMER	32166	3RS ET	P
10-Jul-23	NEL	2	3.950	SUMMER	32166	3RS ET	S
10-Jul-23	NEL	3	6.700	SUMMER	32166	3RS ET	S
11-Jul-23	WL	2	0.914	SUMMER	32166	3RS ET	P
11-Jul-23	WL	3	16.632	SUMMER	32166	3RS ET	P
11-Jul-23	WL	3	9.308	SUMMER	32166	3RS ET	S
11-Jul-23	AW	3	4.730	SUMMER	32166	3RS ET	P
12-Jul-23	SWL	2	42.491	SUMMER	32166	3RS ET	P
12-Jul-23	SWL	3	12.177	SUMMER	32166	3RS ET	P
12-Jul-23	SWL	2	12.122	SUMMER	32166	3RS ET	S
12-Jul-23	SWL	3	3.070	SUMMER	32166	3RS ET	S
13-Jul-23	SWL	2	31.460	SUMMER	32166	3RS ET	P
13-Jul-23	SWL	3	21.490	SUMMER	32166	3RS ET	P
13-Jul-23	SWL	2	12.180	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Jul-23	SWL	3	4.500	SUMMER	32166	3RS ET	S
14-Jul-23	NWL	2	63.800	SUMMER	32166	3RS ET	P
14-Jul-23	NWL	2	11.700	SUMMER	32166	3RS ET	S
02-Aug-23	SWL	2	35.924	SUMMER	32166	3RS ET	P
02-Aug-23	SWL	3	14.605	SUMMER	32166	3RS ET	P
02-Aug-23	SWL	2	13.071	SUMMER	32166	3RS ET	S
02-Aug-23	SWL	3	2.370	SUMMER	32166	3RS ET	S
03-Aug-23	SWL	2	50.260	SUMMER	32166	3RS ET	P
03-Aug-23	SWL	3	3.500	SUMMER	32166	3RS ET	P
03-Aug-23	SWL	2	14.140	SUMMER	32166	3RS ET	S
03-Aug-23	SWL	3	1.100	SUMMER	32166	3RS ET	S
08-Aug-23	AW	2	4.770	SUMMER	32166	3RS ET	P
08-Aug-23	WL	2	5.650	SUMMER	32166	3RS ET	P
08-Aug-23	WL	3	13.958	SUMMER	32166	3RS ET	P
08-Aug-23	WL	2	3.236	SUMMER	32166	3RS ET	S
08-Aug-23	WL	3	6.443	SUMMER	32166	3RS ET	S
09-Aug-23	NWL	1	3.200	SUMMER	32166	3RS ET	P
09-Aug-23	NWL	2	58.200	SUMMER	32166	3RS ET	P
09-Aug-23	NWL	3	2.100	SUMMER	32166	3RS ET	P
09-Aug-23	NWL	1	12.2	SUMMER	32166	3RS ET	S
16-Aug-23	NEL	2	19.31	SUMMER	32166	3RS ET	P
16-Aug-23	NEL	3	17.6	SUMMER	32166	3RS ET	P
16-Aug-23	NEL	2	8.19	SUMMER	32166	3RS ET	S
16-Aug-23	NEL	3	1.8	SUMMER	32166	3RS ET	S
17-Aug-23	NEL	2	37.41	SUMMER	32166	3RS ET	P
17-Aug-23	NEL	2	9.99	SUMMER	32166	3RS ET	S
22-Aug-23	NWL	2	63.5	SUMMER	32166	3RS ET	P
22-Aug-23	NWL	2	12.2	SUMMER	32166	3RS ET	S
24-Aug-23	AW	2	4.8	SUMMER	32166	3RS ET	P
24-Aug-23	WL	2	13.49	SUMMER	32166	3RS ET	P
24-Aug-23	WL	3	6.15	SUMMER	32166	3RS ET	P
24-Aug-23	WL	2	6.47	SUMMER	32166	3RS ET	S
24-Aug-23	WL	3	3.42	SUMMER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months 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
1-Jun-23	1	1318	FP	4	SWL	2	385	ON	3RS ET	22.1541	113.8882	SUMMER	NONE	P
1-Jun-23	2	1505	CWD	3	SWL	2	79	ON	3RS ET	22.1936	113.8492	SUMMER	NONE	P
2-Jun-23	1	1054	CWD	3	WL	2	591	ON	3RS ET	22.2417	113.8469	SUMMER	NONE	P
2-Jun-23	2	1112	CWD	1	WL	2	698	ON	3RS ET	22.2410	113.8323	SUMMER	NONE	P
2-Jun-23	3	1130	CWD	9	WL	2	30	ON	3RS ET	22.2327	113.8374	SUMMER	NONE	P
2-Jun-23	4	1153	CWD	1	WL	2	336	ON	3RS ET	22.2247	113.8372	SUMMER	NONE	S
2-Jun-23	5	1206	CWD	4	WL	2	100	ON	3RS ET	22.2237	113.8276	SUMMER	NONE	P
2-Jun-23	6	1217	CWD	4	WL	2	161	ON	3RS ET	22.2184	113.8204	SUMMER	NONE	S
2-Jun-23	7	1250	CWD	1	WL	2	1085	ON	3RS ET	22.2053	113.8213	SUMMER	NONE	P
2-Jun-23	8	1259	CWD	5	WL	2	153	ON	3RS ET	22.1964	113.8373	SUMMER	NONE	P
2-Jun-23	9	1332	CWD	2	SWL	2	N/A	OFF	3RS ET	22.1932	113.8510	SUMMER	PURSE SEINER	N/A
8-Jun-23	1	1446	CWD	1	SWL	3	223	ON	3RS ET	22.1958	113.8591	SUMMER	NONE	P
8-Jun-23	2	1457	CWD	4	SWL	3	321	ON	3RS ET	22.1892	113.8596	SUMMER	NONE	P
9-Jun-23	1	1058	CWD	2	WL	1	191	ON	3RS ET	22.2579	113.8376	SUMMER	NONE	S
9-Jun-23	2	1137	CWD	3	WL	2	105	ON	3RS ET	22.2325	113.8282	SUMMER	PURSE SEINER	P
9-Jun-23	3	1154	CWD	1	WL	2	580	ON	3RS ET	22.2291	113.8379	SUMMER	NONE	S
9-Jun-23	4	1203	CWD	3	WL	2	1060	ON	3RS ET	22.2243	113.8275	SUMMER	NONE	P
9-Jun-23	5	1253	CWD	6	WL	2	280	ON	3RS ET	22.2062	113.8240	SUMMER	NONE	P
9-Jun-23	6	1315	CWD	4	WL	2	100	ON	3RS ET	22.1981	113.8271	SUMMER	NONE	S
9-Jun-23	7	1328	CWD	1	WL	2	22	ON	3RS ET	22.1879	113.8407	SUMMER	NONE	P
13-Jun-23	1	1128	CWD	1	NWL	2	137	ON	3RS ET	22.3690	113.8779	SUMMER	NONE	P
7-Jul-23	1	1101	CWD	1	WL	3	268	ON	3RS ET	22.2415	113.8368	SUMMER	NONE	P
7-Jul-23	2	1200	CWD	1	WL	3	91	ON	3RS ET	22.1961	113.8325	SUMMER	NONE	P
7-Jul-23	3	1215	CWD	15	WL	3	134	ON	3RS ET	22.1875	113.8401	SUMMER	NONE	P
11-Jul-23	1	1056	CWD	3	WL	3	275	ON	3RS ET	22.2416	113.8358	SUMMER	NONE	P
11-Jul-23	2	1133	CWD	4	WL	3	35	ON	3RS ET	22.2230	113.8247	SUMMER	NONE	P
11-Jul-23	3	1142	CWD	5	WL	3	6	ON	3RS ET	22.2160	113.8198	SUMMER	NONE	S
11-Jul-23	4	1214	CWD	3	WL	3	390	ON	3RS ET	22.2052	113.8313	SUMMER	NONE	P
11-Jul-23	5	1219	CWD	3	WL	3	170	ON	3RS ET	22.1975	113.8277	SUMMER	NONE	S
11-Jul-23	6	1248	CWD	1	WL	3	26	ON	3RS ET	22.1962	113.8345	SUMMER	NONE	P
11-Jul-23	7	1307	CWD	2	WL	3	339	ON	3RS ET	22.1881	113.8414	SUMMER	NONE	S
12-Jul-23	1	1047	FP	3	SWL	2	46	ON	3RS ET	22.1590	113.9357	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
12-Jul-23	2	1123	FP	2	SWL	2	39	ON	3RS ET	22.2022	113.9274	SUMMER	NONE	P
12-Jul-23	3	1145	FP	1	SWL	2	211	ON	3RS ET	22.1711	113.9188	SUMMER	NONE	P
12-Jul-23	4	1350	CWD	1	SWL	2	145	ON	3RS ET	22.1895	113.8769	SUMMER	NONE	P
13-Jul-23	1	1054	FP	1	SWL	2	34	ON	3RS ET	22.1510	113.9363	SUMMER	NONE	P
13-Jul-23	2	1227	CWD	1	SWL	2	61	ON	3RS ET	22.1894	113.9070	SUMMER	NONE	S
02-Aug-23	1	1023	CWD	1	SWL	2	477	ON	3RS ET	22.2085	113.9362	SUMMER	NONE	P
02-Aug-23	2	1202	FP	11	SWL	2	94	ON	3RS ET	22.1441	113.9176	SUMMER	NONE	P
02-Aug-23	3	1346	CWD	1	SWL	3	102	ON	3RS ET	22.2000	113.8881	SUMMER	NONE	P
02-Aug-23	4	1416	CWD	4	SWL	3	171	ON	3RS ET	22.1882	113.8786	SUMMER	NONE	P
02-Aug-23	5	1444	CWD	1	SWL	3	247	ON	3RS ET	22.1624	113.8689	SUMMER	NONE	P
02-Aug-23	6	1458	CWD	8	SWL	3	523	ON	3RS ET	22.1687	113.8688	SUMMER	NONE	P
02-Aug-23	7	1529	CWD	1	SWL	2	294	ON	3RS ET	22.1982	113.8684	SUMMER	PURSE SEINER	P
02-Aug-23	8	1549	CWD	3	SWL	2	225	ON	3RS ET	22.1934	113.8587	SUMMER	NONE	P
02-Aug-23	9	1605	CWD	2	SWL	2	202	ON	3RS ET	22.1849	113.8591	SUMMER	NONE	P
02-Aug-23	10	1630	CWD	8	SWL	2	272	ON	3RS ET	22.1906	113.8495	SUMMER	NONE	P
03-Aug-23	1	1152	FP	2	SWL	2	157	ON	3RS ET	22.1564	113.9173	SUMMER	NONE	P
03-Aug-23	2	1310	FP	3	SWL	2	208	ON	3RS ET	22.1495	113.8940	SUMMER	NONE	S
03-Aug-23	3	1352	CWD	4	SWL	2	346	ON	3RS ET	22.1949	113.8785	SUMMER	NONE	P
03-Aug-23	4	1523	CWD	5	SWL	3	343	ON	3RS ET	22.1889	113.8508	SUMMER	PURSE SEINER	P
08-Aug-23	1	1111	CWD	1	WL	2	108	ON	3RS ET	22.2234	113.8301	SUMMER	NONE	P
08-Aug-23	2	1131	CWD	2	WL	3	53	ON	3RS ET	22.2147	113.8289	SUMMER	NONE	P
08-Aug-23	3	1155	CWD	3	WL	2	473	ON	3RS ET	22.2055	113.8243	SUMMER	NONE	P
08-Aug-23	4	1213	CWD	3	WL	2	15	ON	3RS ET	22.2017	113.8238	SUMMER	NONE	S
08-Aug-23	5	1226	CWD	4	WL	3	23	ON	3RS ET	22.1974	113.8269	SUMMER	NONE	S
08-Aug-23	6	1256	CWD	6	WL	3	537	ON	3RS ET	22.1876	113.8326	SUMMER	NONE	P
24-Aug-23	1	1118	CWD	2	WL	3	108	ON	3RS ET	22.2176	113.8196	SUMMER	NONE	S
24-Aug-23	2	1147	CWD	2	WL	3	204	ON	3RS ET	22.2056	113.8286	SUMMER	NONE	P

Abbreviations: STG# = Sighting Number; GP SZ = 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 are presented for reference only. No relevant figure or text will be mentioned in this 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 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 449.06 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 19 on-effort sightings and total number of 61 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in August 2023 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in August 2023

$$STG = \frac{19}{449.06} \times 100 = 4.23$$

Encounter Rate by Number of Dolphins (ANI) in August 2023

$$ANI = \frac{61}{449.06} \times 100 = 13.58$$

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

A total of 1328.09 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 50 on-effort sightings and total number of 158 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)









$$STG = \frac{50}{1328.09} \times 100 = 3.76$$

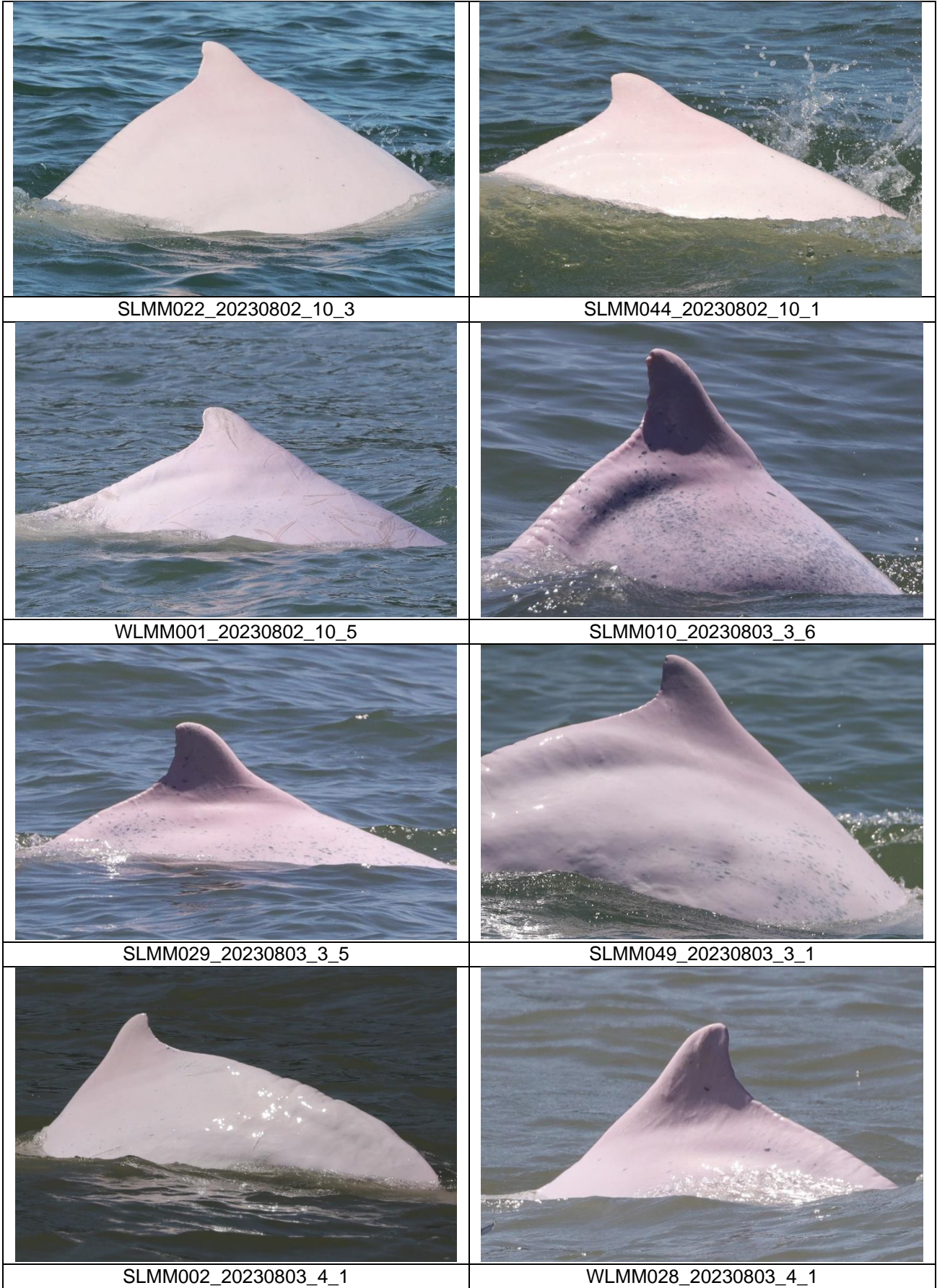
Running Quarterly Encounter Rate by Number of Dolphins (ANI)









$$ANI = \frac{158}{1328.09} \times 100 = 11.90$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM060_20230802_1_8	SLMM003_20230802_4_4
	
SLMM052_20230802_4_2	SLMM037_20230802_8_1
	
WLMM001_20230802_8_4	SLMM022_20230802_9_2
	
NLMM027_20230802_10_1	SLMM002_20230802_10_4



	
WLMM056_20230803_4_3	WLMM093_20230803_4_2
	
WLMM102_20230803_4_2	WLMM093_20230808_2_3
	
WLMM102_20230808_2_8	NLMM070_20230808_3_1
	
SLMM022_20230808_3_15	SLMM052_20230808_4_11



WLMM001_20230808_4_3



WLMM018_20230808_5_8



WLMM058_20230808_5_4



WLMM190_20230808_5_5



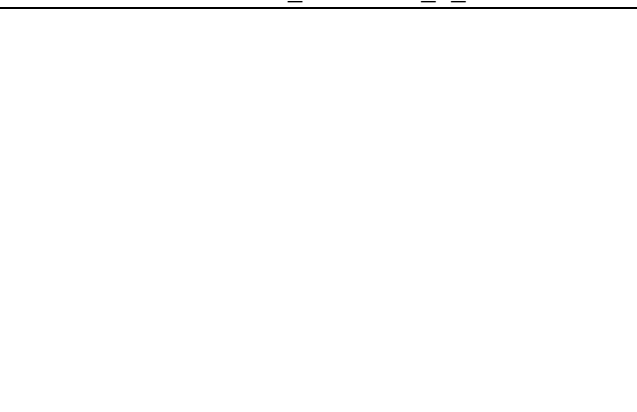
SLMM027_20230808_6_10



WLMM073_20230808_6_4



WLMM118_20230808_6_10



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
15/Aug/23	Lung Kwu Chau	8:49	14:49	6:00	2	1	1	1
23/Aug/23	Sha Chau	10:39	16:39	6:00	2	1	0	0

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