

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

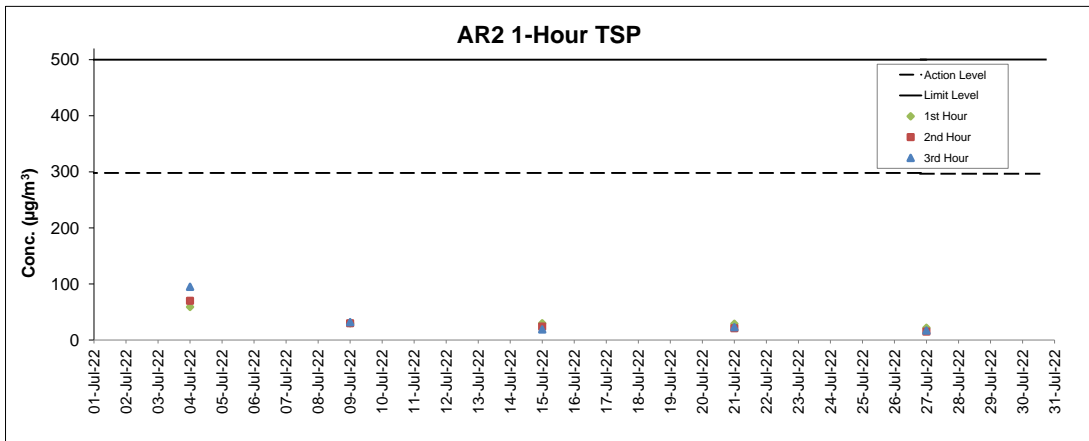
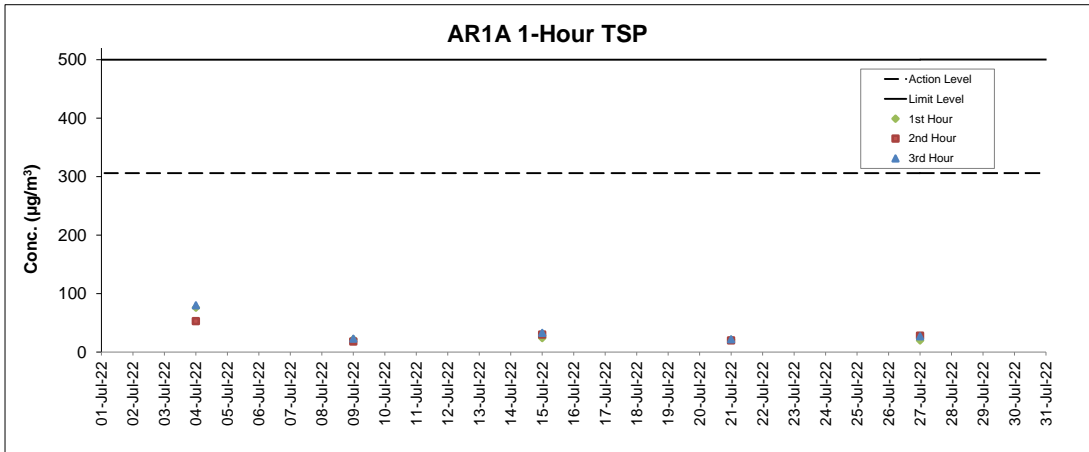
Station: AR1A- Man Tung Road Park

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 ($\mu\text{g}/\text{m}^3$)
04-Jul-22	13:34	Overcast	9.4	211	76	306	500
04-Jul-22	14:34	Overcast	8.1	214	53	306	500
04-Jul-22	15:34	Overcast	8.3	203	80	306	500
09-Jul-22	13:09	Sunny	4.4	267	22	306	500
09-Jul-22	14:09	Sunny	2.8	266	18	306	500
09-Jul-22	15:09	Sunny	1.7	Variable	23	306	500
15-Jul-22	15:06	Sunny	3.9	213	24	306	500
15-Jul-22	16:06	Sunny	4.7	207	30	306	500
15-Jul-22	17:06	Sunny	4.4	208	33	306	500
21-Jul-22	12:53	Sunny	3.1	177	21	306	500
21-Jul-22	13:53	Sunny	5.8	153	20	306	500
21-Jul-22	14:53	Sunny	5.3	160	22	306	500
27-Jul-22	13:33	Sunny	4.2	271	20	306	500
27-Jul-22	14:33	Sunny	3.1	289	28	306	500
27-Jul-22	15:33	Sunny	4.2	254	27	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 ($\mu\text{g}/\text{m}^3$)
04-Jul-22	9:00	Overcast	10.3	197	59	298	500
04-Jul-22	10:00	Overcast	10.0	194	70	298	500
04-Jul-22	11:00	Overcast	9.7	204	95	298	500
09-Jul-22	8:47	Sunny	3.3	99	30	298	500
09-Jul-22	9:47	Sunny	3.3	87	30	298	500
09-Jul-22	10:47	Sunny	4.7	66	32	298	500
15-Jul-22	10:50	Sunny	4.2	257	30	298	500
15-Jul-22	11:50	Sunny	3.3	242	24	298	500
15-Jul-22	12:50	Sunny	3.9	233	19	298	500
21-Jul-22	9:03	Sunny	3.3	168	29	298	500
21-Jul-22	10:03	Sunny	4.7	156	21	298	500
21-Jul-22	11:03	Sunny	4.7	148	23	298	500
27-Jul-22	9:53	Sunny	4.7	241	22	298	500
27-Jul-22	10:53	Sunny	5.0	272	15	298	500
27-Jul-22	11:53	Sunny	4.7	259	17	298	500



- 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.

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) ^
04-Jul-22	Overcast	13:33	67.7	55.1	66
04-Jul-22	Overcast	13:38	61.3	55.1	
04-Jul-22	Overcast	13:43	68.5	55.7	
04-Jul-22	Overcast	13:48	70.3	55.5	
04-Jul-22	Overcast	13:53	70.0	55.7	
04-Jul-22	Overcast	13:58	67.8	55.0	
15-Jul-22	Sunny	14:10	68.8	66.9	67
15-Jul-22	Sunny	14:15	66.7	62.9	
15-Jul-22	Sunny	14:20	66.8	60.2	
15-Jul-22	Sunny	14:25	65.1	56.0	
15-Jul-22	Sunny	14:30	64.6	52.2	
15-Jul-22	Sunny	14:35	65.3	52.7	
21-Jul-22	Sunny	11:52	58.2	51.9	67
21-Jul-22	Sunny	11:57	60.7	53.0	
21-Jul-22	Sunny	12:02	69.5	64.5	
21-Jul-22	Sunny	12:07	69.2	65.0	
21-Jul-22	Sunny	12:12	65.0	59.2	
21-Jul-22	Sunny	12:17	60.3	55.4	
27-Jul-22	Sunny	13:52	60.7	54.2	63
27-Jul-22	Sunny	13:57	61.0	58.4	
27-Jul-22	Sunny	14:02	65.3	58.3	
27-Jul-22	Sunny	14:07	60.6	58.3	
27-Jul-22	Sunny	14:12	61.0	58.5	
27-Jul-22	Sunny	14:17	60.6	58.2	

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) ^
06-Jul-22	Sunny	13:26	63.2	61.1	65
06-Jul-22	Sunny	13:31	62.5	59.2	
06-Jul-22	Sunny	13:36	61.8	58.8	
06-Jul-22	Sunny	13:41	61.4	58.8	
06-Jul-22	Sunny	13:46	62.3	58.7	
06-Jul-22	Sunny	13:51	62.2	58.5	
13-Jul-22	Sunny	13:22	64.3	59.3	64
13-Jul-22	Sunny	13:27	63.0	60.8	
13-Jul-22	Sunny	13:32	62.4	58.6	
13-Jul-22	Sunny	13:37	61.7	59.0	
13-Jul-22	Sunny	13:42	61.2	58.9	
13-Jul-22	Sunny	13:47	62.8	59.6	
19-Jul-22	Sunny	13:18	63.9	60.5	65
19-Jul-22	Sunny	13:23	63.4	59.9	
19-Jul-22	Sunny	13:28	63.0	61.2	
19-Jul-22	Sunny	13:33	61.2	59.0	
19-Jul-22	Sunny	13:38	62.1	59.0	
19-Jul-22	Sunny	13:43	63.8	60.3	
26-Jul-22	Sunny	14:02	61.6	56.7	62
26-Jul-22	Sunny	14:07	59.4	57.0	
26-Jul-22	Sunny	14:12	59.9	57.2	
26-Jul-22	Sunny	14:17	60.3	56.8	
26-Jul-22	Sunny	14:22	60.4	57.5	
26-Jul-22	Sunny	14:27	60.6	57.4	

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)	
04-Jul-22	Overcast	09:34	53.6	48.4	56
04-Jul-22	Overcast	09:39	52.6	47.1	
04-Jul-22	Overcast	09:44	56.8	46.4	
04-Jul-22	Overcast	09:49	53.5	47.5	
04-Jul-22	Overcast	09:54	53.9	47.5	
04-Jul-22	Overcast	09:59	58.2	50.4	
15-Jul-22	Sunny	09:57	57.5	47.2	59
15-Jul-22	Sunny	10:02	58.9	46.7	
15-Jul-22	Sunny	10:07	56.2	46.1	
15-Jul-22	Sunny	10:12	49.2	45.6	
15-Jul-22	Sunny	10:17	50.3	45.5	
15-Jul-22	Sunny	10:22	50.7	45.4	
21-Jul-22	Sunny	08:04	54.1	51.5	57
21-Jul-22	Sunny	08:09	52.3	47.7	
21-Jul-22	Sunny	08:14	58.5	49.2	
21-Jul-22	Sunny	08:19	55.4	51.9	
21-Jul-22	Sunny	08:24	57.3	55.3	
21-Jul-22	Sunny	08:29	57.0	51.0	
27-Jul-22	Sunny	09:00	53.8	51.6	54
27-Jul-22	Sunny	09:05	53.9	47.7	
27-Jul-22	Sunny	09:10	50.1	46.9	
27-Jul-22	Sunny	09:15	48.9	45.8	
27-Jul-22	Sunny	09:20	54.8	50.2	
27-Jul-22	Sunny	09:25	51.6	46.0	

Remarks:

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

Noise Measurement Results

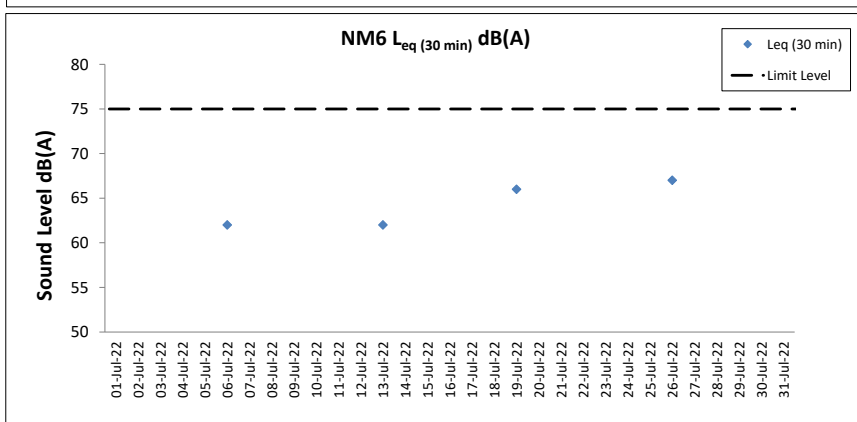
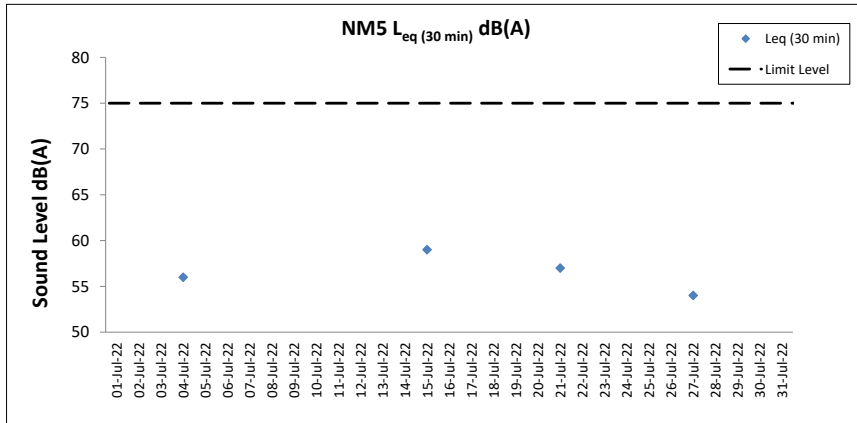
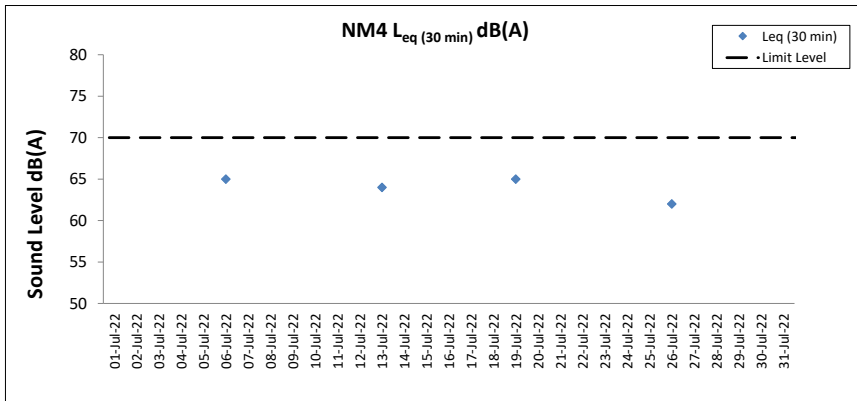
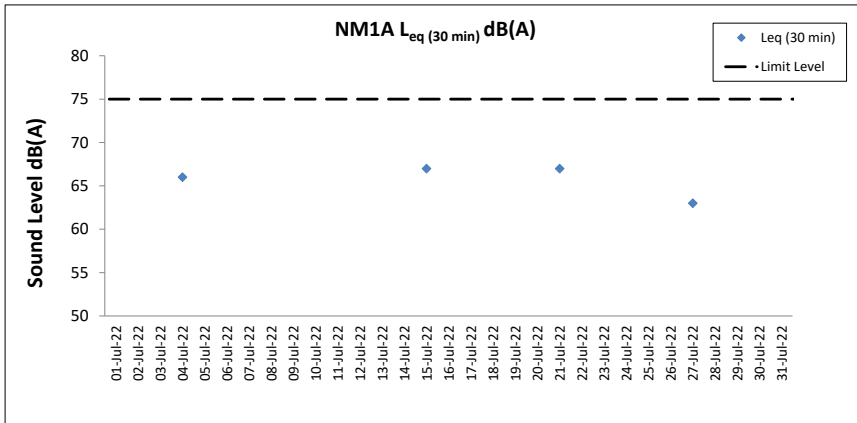
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured		L _{eq(30mins)} dB(A) ^
			L ₁₀ dB(A)	L ₉₀ dB(A)	
06-Jul-22	Sunny	15:35	66.7	54.7	62*
06-Jul-22	Sunny	15:40	68.8	61.3	
06-Jul-22	Sunny	15:45	59.2	52.4	
06-Jul-22	Sunny	15:50	64.6	53.5	
06-Jul-22	Sunny	15:55	64.4	54.6	
06-Jul-22	Sunny	16:00	67.2	56.8	
13-Jul-22	Sunny	15:34	60.6	45.0	62*
13-Jul-22	Sunny	15:39	68.5	42.6	
13-Jul-22	Sunny	15:44	73.0	55.6	
13-Jul-22	Sunny	15:49	68.0	46.0	
13-Jul-22	Sunny	15:54	63.4	49.3	
13-Jul-22	Sunny	15:59	59.7	45.2	
19-Jul-22	Sunny	15:40	68.7	44.5	66*
19-Jul-22	Sunny	15:45	69.1	49.3	
19-Jul-22	Sunny	15:50	72.7	51.4	
19-Jul-22	Sunny	15:55	67.3	56.0	
19-Jul-22	Sunny	16:00	63.5	48.3	
19-Jul-22	Sunny	16:05	64.7	54.7	
26-Jul-22	Sunny	15:36	70.6	45.5	67
26-Jul-22	Sunny	15:41	57.4	42.2	
26-Jul-22	Sunny	15:46	59.8	40.8	
26-Jul-22	Sunny	15:51	48.8	38.2	
26-Jul-22	Sunny	15:56	63.2	42.1	
26-Jul-22	Sunny	16:01	62.8	43.8	

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 05 July 22 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	16:31	8.4	Surface	1.0	0.5	206	<u>26.8</u>	26.8	8.0	8.0	7.5	7.6	102.3	102.3	7.9	7.8	9.0	10.2	7	5	815603	804223
						1.0	0.5	208	26.8		8.0	8.0	7.6	7.6	102.2	7.8	9.0							
					Middle	4.2	0.4	193	26.5	26.5	8.1	8.1	7.9	7.9	100.4	100.2	7.7	9.6						
						4.2	0.5	187	26.5		8.1	8.0	7.9	7.9	99.9	7.7	9.7							
					Bottom	7.4	0.5	206	26.4	26.4	8.0	8.0	19.0	20.4	87.7	87.8	6.3	11.9						
						7.4	0.5	201	26.4		8.0	8.0	21.9	20.4	87.8	6.2	12.0							
C2	Rainy	Rough	15:19	11.8	Surface	1.0	0.4	160	26.9	26.9	8.0	8.0	6.4	6.4	101.5	101.5	7.8	7.2	7.4	6.6	4	4	825699	806933
						1.0	0.4	163	26.9		8.0	8.0	6.3	6.4	101.4	7.8	7.4							
					Middle	5.9	0.3	162	26.4	26.4	7.8	7.8	13.3	13.2	88.1	88.0	6.6	5.8						
						5.9	0.3	164	26.4		7.8	7.8	13.1	13.2	87.9	6.6	5.8							
					Bottom	10.8	0.3	147	26.3	26.3	7.8	7.8	15.1	15.1	86.3	86.2	6.4	6.5						
						10.8	0.4	150	26.3		7.8	7.8	15.2	15.1	86.1	6.4	6.6							
C3	Misty	Moderate	16:14	9.0	Surface	1.0	0.4	80	27.2	27.2	8.0	8.0	10.2	10.2	90.8	90.8	6.8	6.8	1.5	2.3	4	4	822099	817803
						1.0	0.3	85	27.2		8.0	8.0	10.2	10.2	90.8	6.8	1.4							
					Middle	4.5	0.4	55	27.2	27.2	8.0	8.0	10.4	10.5	90.8	90.8	6.8	2.2						
						4.5	0.4	48	27.1		8.0	8.0	10.5	10.5	90.8	6.8	2.2							
					Bottom	8.0	0.3	64	27.2	27.2	8.0	8.0	12.0	11.9	91.2	91.3	6.8	3.2						
						8.0	0.3	67	27.2		8.0	8.0	11.8	11.9	91.4	6.8	3.2							
IM1	Rainy	Moderate	16:15	7.2	Surface	1.0	0.3	191	26.8	26.8	8.0	8.0	8.0	8.0	101.5	101.5	7.8	7.4	8.4	9.9	4	5	818355	806461
						1.0	0.2	191	26.8		8.0	8.0	8.0	8.0	101.5	7.8	8.4							
					Middle	3.6	0.3	192	26.4	26.4	8.0	8.0	9.6	10.1	94.0	93.2	7.1	9.8						
						3.6	0.3	191	26.3		8.1	8.0	10.6	10.1	92.3	7.0	9.4							
					Bottom	6.2	0.3	183	26.4	26.4	7.9	7.9	28.3	28.3	87.9	88.2	6.0	11.7						
						6.2	0.3	179	26.4		7.9	7.9	28.3	28.3	88.4	6.1	11.5							
IM2	Rainy	Moderate	16:09	7.0	Surface	1.0	0.3	195	26.7	26.7	8.0	8.0	7.8	7.8	102.0	102.0	7.8	7.4	8.6	8.5	4	5	819192	806222
						1.0	0.4	197	26.7		8.0	8.0	7.8	7.8	101.9	7.8	8.8							
					Middle	3.5	0.3	174	26.5	26.5	7.9	7.9	16.4	16.3	95.2	95.5	7.0	9.0						
						3.5	0.3	178	26.5		7.9	7.9	16.2	16.3	95.7	7.0	9.9							
					Bottom	6.0	0.3	175	26.3	26.3	7.9	7.9	26.9	26.9	83.6	83.6	5.8	7.2						
						6.0	0.3	176	26.3		7.9	7.9	26.9	26.9	83.6	5.8	7.2							
IM7	Rainy	Rough	15:48	7.9	Surface	1.0	0.2	173	26.8	26.8	8.0	8.0	6.1	6.1	101.9	101.9	7.9	7.4	9.4	7.4	3	4	821337	806811
						1.0	0.2	177	26.8		8.0	8.0	6.1	6.1	101.8	7.9	9.4							
					Middle	4.0	0.3	169	26.5	26.5	7.9	7.9	11.4	11.4	91.4	91.3	6.9	6.1						
						4.0	0.2	175	26.5		7.9	7.9	11.4	11.4	91.1	6.9	6.1							
					Bottom	6.9	0.2	166	26.4	26.4	7.8	7.8	13.9	13.9	91.1	91.2	6.8	6.7						
						6.9	0.2	159	26.4		7.8	7.8	13.9	13.9	91.3	6.8	6.7							

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 bold and underlined**

Note: The monitoring session on 2 July 2022 was cancelled due to No. 8 Southeast Gale or Storm Signal in force.

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 July 22 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											
																									Value	Average	Value	Average	Value	Average	Value	DA	Value
C1	Cloudy	Moderate	10:21	8.4	Surface	1.0	0.3	54	26.7	26.7	8.1	8.1	6.7	6.7	100.8	100.7	7.8	6.9	10.9	9.9	6	7	815611	804258									
						1.0	0.3	56	26.7		8.1	8.1	6.7	6.7	100.5	100.7	7.8		10.9		6												
					Middle	4.2	0.3	25	26.3	26.3	8.0	8.0	22.2	22.2	84.2	84.2	5.9	5.7	10.2	5.7	7												
						4.2	0.4	19	26.3		8.0	8.0	22.2	22.2	84.2	84.2	5.9		10.3		6												
					Bottom	7.4	0.3	39	26.3	26.3	8.0	8.0	29.7	29.7	83.5	83.6	5.7	5.7	8.8	5.7	7												
						7.4	0.4	31	26.3		8.0	8.0	29.7	29.7	83.6	83.6	5.7		8.6		7												
					C2	Cloudy	Rough	11:33	11.7	Surface	1.0	0.4	349	26.9	26.9	8.0	8.0	7.3	7.3	100.7	100.7				7.7	7.1	6.9	7.3	6	5	825660	806957	
											1.0	0.5	354	26.9		8.0	8.0	7.3	7.3	100.6	100.6				7.7		6.9		5				
Middle	5.9	0.4	12	26.4						26.4	7.8	7.8	14.5	14.5	86.9	86.8	6.5	5.8	6.7	5.8	4												
	5.9	0.4	8	26.3							7.8	7.8	14.5	14.5	86.7	86.7	6.4		6.8		5												
Bottom	10.7	0.4	359	26.3						26.3	7.8	7.8	16.4	16.5	79.4	79.2	5.8	5.8	8.1	5.8	4												
	10.7	0.4	358	26.3							7.8	7.8	16.6	16.5	79.0	79.2	5.8		8.6		5												
C3	Misty	Moderate	09:43	9.2						Surface	1.0	0.5	255	27.0	27.0	8.4	8.4	9.1	9.1	89.7	89.7	6.8	6.8	7.2	8.8	4	4		822106				817802
											1.0	0.5	249	27.0		8.4	8.4	9.1	9.1	89.6	89.6	6.8		7.1		3							
					Middle	4.6	0.5	265	27.1	27.2	8.3	8.3	10.7	10.7	89.5	89.5	6.7	6.7	9.1	6.7	4												
						4.6	0.5	265	27.2		8.3	8.3	10.7	10.7	89.5	89.5	6.7		9.1		4												
					Bottom	8.2	0.5	283	27.3	27.4	8.2	8.2	11.6	11.6	90.2	90.4	6.7	6.7	10.1	6.7	4												
						8.2	0.5	284	27.4		8.2	8.2	11.5	11.6	90.5	90.4	6.7		10.2		4												
					IM1	Cloudy	Moderate	10:36	6.5	Surface	1.0	0.3	6	26.7	26.7	8.0	8.0	7.5	7.5	102.6	102.6	7.9	7.9	8.8		9.1		5		6	818361	806469	
											1.0	0.3	8	26.7		8.0	8.0	7.5	7.5	102.6	102.6	7.9		8.7				5					
Middle	3.3	0.2	350	26.6						26.6	8.0	8.0	7.6	7.6	102.3	102.3	7.9	7.9	8.8	7.9	5												
	3.3	0.2	346	26.6							8.0	8.0	7.6	7.6	102.2	102.2	7.9		8.8		6												
Bottom	5.5	0.3	359	26.6						26.6	8.0	8.0	7.7	7.7	101.9	101.9	7.8	7.8	9.6	7.8	7												
	5.5	0.3	358	26.6							8.0	8.0	7.7	7.7	101.9	101.9	7.8		9.6		6												
IM2	Cloudy	Moderate	10:42	6.8						Surface	1.0	0.3	12	26.7	26.7	8.0	8.0	7.1	7.1	102.6	102.6	7.9	7.9	9.2	9.7		4	5	819185				806249
											1.0	0.3	7	26.7		8.0	8.0	7.1	7.1	102.6	102.6	7.9		9.3			5						
					Middle	3.4	0.3	359	26.6	26.6	8.0	8.0	8.7	8.7	101.6	101.6	7.8	7.8	8.2	7.8	5												
						3.4	0.3	352	26.6		8.0	8.0	8.8	8.7	101.6	101.6	7.8		8.2		5												
					Bottom	5.8	0.3	336	26.4	26.4	8.0	8.0	11.1	11.2	96.6	96.3	7.3	7.3	11.2	7.3	5												
						5.8	0.3	340	26.4		8.0	8.0	11.3	11.2	96.0	96.3	7.3		11.9		5												
					IM7	Cloudy	Rough	11:07	7.8	Surface	1.0	0.2	346	26.8	26.8	7.9	7.9	8.0	8.0	98.1	98.1	7.5	7.3	6.3		7.4	6			6	821349	806822	
											1.0	0.2	345	26.8		7.9	7.9	8.0	8.0	98.1	98.1	7.5		6.3			7						
Middle	3.9	0.1	344	26.5						26.5	7.8	7.8	9.7	9.7	92.3	92.2	7.0	7.0	7.3	7.0	7												
	3.9	0.1	342	26.5							7.8	7.8	9.7	9.7	92.0	92.2	7.0		7.4		6												
Bottom	6.8	0.2	321	26.4						26.4	7.8	7.8	13.1	13.1	85.2	85.2	6.4	6.4	8.7	6.4	6												
	6.8	0.2	318	26.4							7.8	7.8	13.1	13.1	85.2	85.2	6.4		8.7		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

Note: The monitoring session on 2 July 2022 was cancelled due to No. 8 Southeast Gale or Storm Signal in force.

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

Water Quality Monitoring Results on 07 July 22 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	07:24	8.2	Surface	1.0	0.3	219	<u>27.2</u>	7.9	7.9	19.3	19.3	<u>73.6</u>	73.6	5.3	5.1	6.0	10.6	6	6	815631	804239	
						1.0	0.3	212	27.1	7.9	7.9	19.4	19.3	73.6	5.3	6.1		6						
					Middle	4.1	0.3	226	<u>26.9</u>	7.9	7.9	23.7	23.7	70.6	70.6	4.9		12.6		7				
						4.1	0.3	228	26.9	7.9	7.9	23.7	23.7	70.6	70.6	4.9		12.2		6				
					Bottom	7.2	0.3	201	<u>26.9</u>	7.9	7.9	29.7	29.7	71.0	71.1	4.8		13.4		6				
						7.2	0.3	199	26.9	7.9	7.9	29.7	29.7	71.1	71.1	4.8		13.3		5				
C2	Cloudy	Moderate	08:41	10.3	Surface	1.0	0.5	179	<u>27.6</u>	8.1	8.1	7.4	7.2	<u>75.9</u>	75.8	5.8	5.1	9.6	8.2	6	6	825684	806944	
						1.0	0.5	184	27.6	8.1	8.1	7.0	7.2	75.7	5.7	9.5		6						
					Middle	5.2	0.4	184	<u>26.8</u>	8.2	8.2	22.9	22.9	63.2	63.2	4.4		3.4		7				
						5.2	0.4	186	26.8	8.2	8.2	22.9	22.9	63.1	63.1	4.4		3.4		6				
					Bottom	9.3	0.5	186	<u>26.8</u>	8.1	8.1	26.3	26.3	60.7	60.6	4.2		11.4		6				
						9.3	0.5	182	26.8	8.1	8.1	26.4	26.3	60.5	60.6	4.2		11.9		7				
C3	Fine	Moderate	07:12	9.2	Surface	1.0	0.3	79	<u>27.2</u>	7.9	7.9	6.9	6.9	<u>95.9</u>	95.8	7.3	6.8	6.1	6.6	5	5	822096	817798	
						1.0	0.3	81	27.2	7.9	7.9	6.9	6.9	95.7	7.3	6.0		6						
					Middle	4.6	0.2	78	<u>26.7</u>	7.9	7.9	16.2	16.2	86.5	86.5	6.3		6.5		5				
						4.6	0.2	79	26.6	7.9	7.9	16.2	16.2	86.5	86.5	6.3		6.6		6				
					Bottom	8.2	0.2	86	<u>26.5</u>	7.9	7.9	23.9	23.9	81.6	81.9	5.7		7.2		5				
						8.2	0.2	83	26.5	7.9	7.9	23.9	23.9	82.1	81.9	5.8		7.1		5				
IM1	Cloudy	Moderate	07:46	6.3	Surface	1.0	0.3	179	<u>27.5</u>	8.0	8.0	11.1	11.0	<u>85.6</u>	85.7	6.4	6.0	5.7	9.4	7	7	818352	806452	
						1.0	0.3	175	27.5	8.0	8.0	11.0	11.0	85.7	6.4	5.6		6						
					Middle	3.2	0.3	188	<u>27.0</u>	8.0	8.0	19.0	19.0	76.7	76.7	5.5		9.9		7				
						3.2	0.2	181	27.0	8.0	8.0	18.9	19.0	76.7	76.7	5.5		10.0		7				
					Bottom	5.3	0.3	174	<u>27.0</u>	8.0	8.0	29.5	29.5	72.9	73.1	4.9		12.5		8				
						5.3	0.2	167	27.0	8.0	8.0	29.6	29.5	73.2	73.1	4.9		13.0		7				
IM2	Cloudy	Moderate	07:51	6.9	Surface	1.0	0.3	206	<u>27.8</u>	7.8	7.8	7.6	7.6	<u>88.9</u>	88.9	6.7	6.3	5.4	8.5	5	6	819171	806252	
						1.0	0.4	205	27.8	7.8	7.8	7.6	7.6	88.9	6.7	5.3		4						
					Middle	3.5	0.3	199	<u>27.1</u>	7.9	7.9	13.2	13.2	81.0	80.7	6.0		8.3		7				
						3.5	0.2	204	27.0	7.9	7.9	13.3	13.2	80.3	80.7	5.9		8.7		6				
					Bottom	5.9	0.3	187	<u>27.0</u>	7.8	7.8	29.7	29.7	72.5	72.6	4.9		11.3		7				
						5.9	0.4	192	27.0	7.8	7.8	29.7	29.7	72.6	72.6	4.9		11.8		7				
IM7	Cloudy	Moderate	08:15	7.8	Surface	1.0	0.3	203	<u>27.7</u>	7.8	7.8	5.7	5.7	81.9	81.9	6.3	6.1	6.4	6.3	7	10	821335	806858	
						1.0	0.3	206	27.7	7.8	7.8	5.7	5.7	81.9	81.9	6.3		6.4		8				
					Middle	3.9	0.2	189	<u>27.3</u>	7.9	7.9	10.4	10.4	76.9	76.9	5.8		5.0		10				
						3.9	0.2	186	27.3	7.9	7.9	10.4	10.4	76.9	76.9	5.8		5.0		10				
					Bottom	6.8	0.2	179	<u>27.0</u>	7.8	7.8	23.3	23.3	64.7	64.7	4.5		7.5		12				
						6.8	0.2	183	27.0	7.8	7.8	23.3	23.3	64.7	64.7	4.5		7.5		12				

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 07 July 22 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	12:15	8.8	Surface	1.0	0.3	48	28.1	28.1	8.0	8.0	6.8	6.8	87.2	87.2	6.6	6.5	7.5	11.0	8	7	815614	804227		
						1.0	0.2	51	28.1		8.0		6.8		87.1		6.6		7.6		7					
					Middle	4.4	0.3	50	27.6	27.6	8.0	8.0	8.9	8.9	83.9	83.8	6.3	6.3	10.9	6.3	8	7			8	7
						4.4	0.3	56	27.6		8.0		8.9		83.7		6.3		10.9		7					
					Bottom	7.8	0.2	39	27.3	27.3	8.0	8.0	12.8	12.9	73.0	73.0	5.3	5.3	14.7	5.3	7	7			7	7
						7.8	0.2	40	27.3		8.0		13.1		73.0		5.3		14.7		7					
C2	Cloudy	Moderate	10:57	11.0	Surface	1.0	0.1	220	27.6	27.6	7.8	7.8	7.1	7.1	75.1	75.1	5.7	5.1	9.5	6.4	11	11	825689	806953		
						1.0	0.1	219	27.6		7.8		7.1		75.0		5.7		9.5		11					
					Middle	5.5	0.1	222	26.8	26.8	8.0	8.0	23.2	23.3	63.6	63.7	4.5	4.5	3.9	4.5	12	4.5			11	11
						5.5	0.0	225	26.8		8.0		23.4		63.7		4.5		3.9		11					
					Bottom	10.0	0.1	234	27.0	27.1	8.0	7.9	23.6	23.6	63.9	64.0	4.5	4.5	5.7	4.5	12	4.5			11	11
						10.0	0.1	236	27.1		7.9		23.6		64.1		4.5		6.1		11					
C3	Cloudy	Moderate	12:15	9.6	Surface	1.0	0.4	271	27.5	27.5	8.0	8.0	7.7	7.7	93.2	93.0	7.1	6.5	6.3	6.6	12	12	822101	817800		
						1.0	0.4	274	27.4		8.0		7.8		92.8		7.0		6.2		12					
					Middle	4.8	0.4	245	26.6	26.6	8.0	8.0	17.5	17.5	81.5	81.4	5.9	5.9	6.5	5.9	12	6.5			12	11
						4.8	0.4	251	26.6		8.0		17.6		81.3		5.9		6.7		12					
					Bottom	8.6	0.4	257	26.3	26.3	7.9	7.9	31.6	31.6	75.7	75.9	5.1	5.1	7.1	5.1	11	5.1			12	12
						8.6	0.4	249	26.3		7.9		31.5		76.1		5.1		7.0		12					
IM1	Cloudy	Moderate	11:48	6.6	Surface	1.0	0.1	17	27.9	27.9	8.0	8.0	9.7	9.7	83.7	83.7	6.2	6.2	10.9	11.5	9	8	818371	806464		
						1.0	0.1	19	27.9		8.0		9.7		83.7		6.2		11.0		8					
					Middle	3.3	0.1	17	27.3	27.3	8.1	8.1	10.6	10.6	82.2	82.0	6.1	6.1	10.8	6.1	7	6.1			8	7
						3.3	0.1	15	27.3		8.1		10.6		81.8		6.1		10.8		8					
					Bottom	5.6	0.1	16	27.2	27.3	8.1	8.1	29.4	29.3	73.4	73.6	4.9	5.0	12.7	5.0	8	5.0			7	7
						5.6	0.1	15	27.3		8.1		29.3		73.7		5.0		12.9		7					
IM2	Cloudy	Moderate	11:39	6.7	Surface	1.0	0.2	278	28.0	28.0	8.1	8.1	9.0	9.0	87.0	87.0	6.5	6.5	9.2	7.6	4	5	819177	806220		
						1.0	0.2	271	28.0		8.1		9.0		87.0		6.5		9.9		5					
					Middle	3.4	0.2	301	27.8	27.8	8.1	8.1	11.0	11.0	86.2	86.2	6.4	6.4	6.6	6.4	5	6.4			6	5
						3.4	0.2	295	27.8		8.1		11.0		86.1		6.4		6.5		6					
					Bottom	5.7	0.2	300	27.8	27.8	8.1	8.1	11.7	11.7	86.0	86.0	6.3	6.3	6.6	6.3	5	6.3			6	5
						5.7	0.2	304	27.8		8.1		11.7		85.9		6.3		6.8		6					
IM7	Cloudy	Moderate	11:16	7.8	Surface	1.0	0.1	275	27.9	27.9	8.0	8.0	5.8	5.8	82.0	82.0	6.2	6.1	8.0	8.8	5	5	821369	806826		
						1.0	0.1	273	27.9		8.0		5.8		81.9		6.2		7.9		5					
					Middle	3.9	0.1	270	27.4	27.4	8.2	8.2	7.4	7.4	79.5	79.5	6.0	6.0	5.5	6.0	5	6.0			5	5
						3.9	0.0	262	27.4		8.2		7.4		79.5		6.0		5.5		5					
					Bottom	6.8	0.1	248	27.1	27.2	8.1	8.1	22.3	22.4	66.6	66.8	4.7	4.7	12.8	4.7	5	4.7			5	5
						6.8	0.2	247	27.2		8.1		22.4		66.9		4.7		13.0		5					

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

Water Quality Monitoring Results on 07 July 22 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	Cloudy	Moderate	10:46	8.1	Surface	1.0	0.1	233	27.7	27.7	7.9	7.9	5.3	5.3	93.6	93.6	7.2	6.9	8.1	8.6	11	8	822259	809816		
						1.0	0.1	231	27.7		7.9		7.9		5.3		93.6		7.2		8.2					
					Middle	4.1	0.1	225	27.1	27.0	7.9	7.9	7.4	7.2	87.1	86.7	6.7	5.3	9.0	5.3	8.8	5			8	5
						4.1	0.1	229	26.9		7.9		7.1		86.2		6.6		8							
					Bottom	7.1	0.2	227	26.6	26.6	7.8	7.8	17.4	17.4	72.7	72.8	5.3	5.3	9.0	5.3	9.0	5			6	5
						7.1	0.2	231	26.6		7.8		17.5		72.8		5.3		9.0							
IM11	Cloudy	Moderate	10:52	7.9	Surface	1.0	0.2	278	27.3	27.3	7.9	7.9	6.6	6.6	91.7	91.6	7.0	6.5	7.6	8.0	4	5	821502	810522		
						1.0	0.2	283	27.3		7.9		7.9		6.6		91.5		7.0		7.5					
					Middle	4.0	0.1	281	26.8	26.8	7.9	7.9	12.4	12.8	80.2	80.0	6.0	5.5	8.5	5.5	8.5	6			4	6
						4.0	0.1	275	26.7		7.9		13.3		79.8		5.9		8.1							
					Bottom	6.9	0.1	282	26.4	26.4	7.8	7.8	19.3	19.3	75.1	75.3	5.4	5.5	8.5	5.5	8.5	6			5	6
						6.9	0.1	287	26.4		7.8		19.3		75.5		5.5		8.5							
IM12	Cloudy	Moderate	11:01	8.7	Surface	1.0	0.1	288	27.6	27.6	7.9	7.9	6.6	6.6	94.2	94.2	7.2	7.0	6.5	6.9	5	6	821147	811533		
						1.0	0.1	280	27.6		7.9		7.9		6.6		94.1		7.2		6.4					
					Middle	4.4	0.1	306	27.1	27.1	7.9	7.9	8.7	8.6	88.9	89.0	6.7	5.6	7.4	5.6	7.4	7			6	7
						4.4	0.1	309	27.0		8.0		8.5		89.0		6.8		6.8							
					Bottom	7.7	0.1	293	26.4	26.4	7.8	7.8	18.7	18.7	76.4	76.4	5.5	5.6	7.4	5.6	7.4	7			6	7
						7.7	0.1	300	26.4		7.8		18.6		76.4		5.6		7.4							
SR1A	Cloudy	Moderate	11:32	5.0	Surface	1.0	0.0	178	27.5	27.5	7.9	7.9	7.2	7.2	93.6	93.5	7.1	7.1	7.3	7.7	9	10	819974	812657		
						1.0	0.0	178	27.5		7.9		7.9		7.2		93.4		7.1		7.3					
					Middle	2.5	0.1	184	-	-	-	-	-	-	-	-	-	6.1	8.2	6.1	8.1	10			-	10
						2.5	0.1	178	-		-		-		-		-		-							
					Bottom	4.0	-	205	26.6	26.6	7.9	7.9	18.3	18.3	83.1	83.5	6.0	6.1	8.2	6.1	8.1	10			11	10
						4.0	0.0	207	26.6		7.9		7.9		18.3		83.8		6.1		8.1					
SR2	Cloudy	Moderate	11:50	5.5	Surface	1.0	0.1	319	27.5	27.5	8.0	8.0	7.0	7.0	94.9	94.9	7.2	7.2	7.1	7.2	9	9	821474	814167		
						1.0	0.1	322	27.5		8.0		8.0		7.0		94.8		7.2		7.2					
					Middle	-	0.0	298	-	-	-	-	-	-	-	-	-	6.1	7.2	6.1	7.2	7.2			-	7
						-	0.0	290	-		-		-		-		-		-							
					Bottom	4.5	0.1	331	26.6	26.6	7.9	7.9	18.3	18.3	83.1	83.4	6.0	6.1	7.2	6.1	7.2	7.2			7	6
						4.5	0.2	323	26.6		7.9		7.9		18.3		83.7		6.1		7.2					
SR3	Cloudy	Moderate	11:12	8.9	Surface	1.0	0.1	150	27.8	27.8	7.9	7.9	7.0	6.9	81.0	81.0	6.1	6.0	7.8	7.6	5	5	822136	807587		
						1.0	0.1	154	27.8		7.9		7.9		6.7		80.9		6.1		7.8					
					Middle	4.5	0.1	143	27.5	27.5	8.2	8.2	8.4	8.4	78.7	78.6	5.9	4.7	8.4	4.7	8.4	5			5	5
						4.5	0.1	145	27.4		8.3		8.4		78.5		5.9		6.7							
					Bottom	7.9	0.1	164	27.2	27.3	8.2	8.2	23.3	23.4	66.7	66.9	4.6	4.7	8.4	4.7	8.4	5			4	5
						7.9	0.1	157	27.3		8.2		23.4		67.0		4.7		8.4							
SR4A	Cloudy	Moderate	12:45	8.9	Surface	1.0	0.0	138	28.2	28.2	8.0	8.0	9.4	9.4	89.2	89.2	6.6	6.5	9.7	11.9	5	6	817212	807806		
						1.0	0.0	135	28.2		8.0		8.0		9.4		89.2		6.6		9.7					
					Middle	4.5	0.0	129	27.6	27.6	8.2	8.2	11.0	11.1	85.3	85.3	6.3	4.8	9.4	4.8	9.4	6			6	6
						4.5	0.0	124	27.6		8.2		11.1		85.2		6.3		9.4							
					Bottom	7.9	0.1	136	27.2	27.2	8.2	8.2	28.5	28.5	70.1	70.3	4.8	4.8	16.4	4.8	16.4	6			6	6
						7.9	0.1	143	27.2		8.2		28.5		70.4		4.8		16.4							
SR8	Cloudy	Moderate	11:06	4.9	Surface	1.0	-	-	27.4	27.4	7.9	7.9	7.3	7.3	91.5	91.3	7.0	7.0	7.2	7.3	5	5	820385	811614		
						1.0	-	-	27.4		7.9		7.9		7.3		91.1		6.9		7.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.8	7.4	6.8	7.4	5			-	5
						-	-	-	-		-		-		-		-		-							
					Bottom	3.9	-	-	27.1	27.1	7.9	7.9	9.1	9.2	89.4	89.4	6.8	6.7	7.4	6.7	7.4	5			5	5
						3.9	-	-	27.1		7.9		7.9		9.3		89.3		6.7		7.4					

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

Water Quality Monitoring Results on 09 July 22 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	07:24	8.2	Surface	1.0	0.2	197	27.2	27.2	7.9	7.9	19.3	19.3	73.6	73.6	5.3	5.1	6.0	10.6	6	6	815627	804266
						1.0	0.1	197	27.1		7.9	7.9	19.4	19.3	73.6	73.6	5.3		6.1					
					Middle	4.1	0.1	208	26.9	26.9	7.9	7.9	23.7	23.7	70.6	70.6	4.9	4.8	12.6	7				
						4.1	0.1	212	26.9		7.9	7.9	23.7	23.7	70.6	70.6	4.9		12.2	6				
					Bottom	7.2	0.1	211	26.9	26.9	7.9	7.9	29.7	29.7	71.0	71.1	4.8	4.8	13.4	6				
						7.2	0.1	203	26.9		7.9	7.9	29.7	29.7	71.1	71.1	4.8		13.3	6				
C2	Cloudy	Moderate	08:41	10.3	Surface	1.0	0.5	159	27.6	27.6	8.1	8.1	7.4	7.2	75.9	75.8	5.8	5.1	9.6	8.2	6	6	825672	806949
						1.0	0.5	162	27.6		8.1	8.1	7.0	7.2	75.7	75.8	5.7		9.5					
					Middle	5.2	0.5	184	26.8	26.8	8.2	8.2	22.9	22.9	63.2	63.2	4.4	4.2	3.4	6				
						5.2	0.5	176	26.8		8.2	8.2	22.9	22.9	63.1	63.1	4.4		3.4	6				
					Bottom	9.3	0.4	176	26.8	26.8	8.1	8.1	26.3	26.3	60.7	60.6	4.2	4.2	11.4	7				
						9.3	0.5	173	26.8		8.1	8.1	26.4	26.3	60.5	60.6	4.2		11.9	6				
C3	Sunny	Moderate	09:02	11.4	Surface	1.0	0.4	68	27.7	27.8	7.9	7.9	13.4	13.4	87.8	87.9	6.4	6.2	6.5	6.6	7	7	822127	817817
						1.0	0.4	63	27.8		7.9	7.9	13.4	13.4	87.9	87.9	6.4		7.1					
					Middle	5.7	0.4	86	27.1	27.1	8.0	8.0	16.6	16.6	83.3	83.3	6.0	5.0	5.9	7				
						5.7	0.4	81	27.1		8.0	8.0	16.6	16.6	83.2	83.2	6.0		6.0	6				
					Bottom	10.4	0.4	94	26.6	26.6	7.9	7.9	25.6	25.7	71.4	71.6	5.0	5.0	7.2	7				
						10.4	0.4	93	26.6		7.9	7.9	25.7	25.7	71.7	71.6	5.0		7.2	6				
IM1	Cloudy	Moderate	07:46	6.3	Surface	1.0	0.1	168	27.5	27.5	8.0	8.0	11.1	11.0	85.6	85.7	6.4	6.0	5.7	9.4	6	6	818336	806453
						1.0	0.1	173	27.5		8.0	8.0	11.0	11.0	85.7	85.7	6.4		5.6					
					Middle	3.2	0.0	182	27.0	27.0	8.0	8.0	19.0	19.0	76.7	76.7	5.5	4.9	9.9	7				
						3.2	0.1	187	27.0		8.0	8.0	18.9	19.0	76.7	76.7	5.5		10.0	6				
					Bottom	5.3	0.1	176	27.0	27.0	8.0	8.0	29.5	29.5	72.9	73.1	4.9	4.9	12.5	7				
						5.3	0.2	179	27.0		8.0	8.0	29.6	29.5	73.2	73.1	4.9		13.0	6				
IM2	Cloudy	Moderate	07:51	6.9	Surface	1.0	0.1	195	27.8	27.8	7.8	7.8	7.6	7.6	88.9	88.9	6.7	6.3	5.4	8.5	6	6	819199	806253
						1.0	0.0	201	27.8		7.8	7.8	7.6	7.6	88.9	88.9	6.7		5.3					
					Middle	3.5	0.1	188	27.1	27.1	7.9	7.9	13.2	13.2	81.0	80.7	6.0	4.9	8.3	6				
						3.5	0.1	191	27.0		7.9	7.9	13.3	13.2	80.3	80.7	5.9		8.7	6				
					Bottom	5.9	0.1	198	27.0	27.0	7.8	7.8	29.7	29.7	72.5	72.6	4.9	4.9	11.3	6				
						5.9	0.1	195	27.0		7.8	7.8	29.7	29.7	72.6	72.6	4.9		11.8	7				
IM7	Cloudy	Moderate	08:15	7.8	Surface	1.0	0.2	156	27.7	27.7	7.8	7.8	5.7	5.7	81.9	81.9	6.3	6.1	6.4	6.3	6	7	821372	806833
						1.0	0.2	156	27.7		7.8	7.8	5.7	5.7	81.9	81.9	6.3		6.4					
					Middle	3.9	0.1	156	27.3	27.3	7.9	7.9	10.4	10.4	76.9	76.9	5.8	4.5	5.0	7				
						3.9	0.2	158	27.3		7.9	7.9	10.4	10.4	76.9	76.9	5.8		5.0	7				
					Bottom	6.8	0.1	169	27.0	27.0	7.8	7.8	23.3	23.3	64.7	64.7	4.5	4.5	7.5	7				
						6.8	0.1	174	27.0		7.8	7.8	23.3	23.3	64.7	64.7	4.5		7.5	7				

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

Water Quality Monitoring Results on 09 July 22 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	10:43	7.2	Surface	1.0	0.4	115	<u>27.5</u>	27.5	7.8	7.8	8.2	8.1	<u>78.4</u>	78.4	5.9	5.8	8.7	9.1	7	6	822222	809849				
						1.0	0.4	111	<u>27.5</u>		7.8	7.8	8.1	8.1	<u>78.4</u>	78.4	5.9		8.8									
					Middle	3.6	0.5	134	<u>27.3</u>	27.3	7.8	7.8	9.7	9.7	<u>75.2</u>	75.1	5.7	9.1										
						3.6	0.5	133	<u>27.2</u>		7.8	7.8	9.7	9.7	<u>74.9</u>	74.9	5.6	9.2										
					Bottom	6.2	0.5	147	<u>27.3</u>	27.4	7.8	7.8	16.1	16.0	<u>74.7</u>	74.8	5.4	9.5										
						6.2	0.5	145	<u>27.4</u>		7.8	7.8	16.0	16.0	<u>74.9</u>	74.8	5.4	9.5										
IM11	Sunny	Moderate	10:35	7.2	Surface	1.0	0.5	113	<u>27.8</u>	27.8	7.8	7.8	8.3	8.3	<u>77.9</u>	77.8	5.8	5.5	8.8	9.9	6	6	821510	810551				
						1.0	0.5	116	<u>27.8</u>		7.8	7.8	8.3	8.3	<u>77.7</u>	77.8	5.8		8.9									
					Middle	3.6	0.5	85	<u>27.3</u>	27.3	7.8	7.8	9.9	9.9	<u>70.6</u>	70.3	5.3	10.1										
						3.6	0.5	87	<u>27.3</u>		7.8	7.8	9.8	9.8	<u>69.9</u>	70.3	5.2	10.2										
					Bottom	6.2	0.5	85	<u>27.1</u>	27.1	7.8	7.8	16.8	17.9	<u>61.6</u>	61.7	4.4	10.7										
						6.2	0.6	91	<u>27.1</u>		7.8	7.8	18.9	17.9	<u>61.7</u>	61.7	4.4	10.6										
IM12	Sunny	Moderate	10:11	7.9	Surface	1.0	0.6	113	<u>27.8</u>	27.8	7.8	7.8	7.1	7.1	<u>85.2</u>	85.2	6.4	6.1	9.4	9.6	6	6	821155	811512				
						1.0	0.6	117	<u>27.8</u>		7.8	7.8	7.1	7.1	<u>85.2</u>	85.2	6.4		9.3									
					Middle	4.0	0.6	108	<u>27.6</u>	27.6	7.8	7.8	11.1	11.1	<u>77.9</u>	77.9	5.8	9.1										
						4.0	0.6	115	<u>27.5</u>		7.8	7.8	11.1	11.1	<u>77.9</u>	77.9	5.8	9.3										
					Bottom	6.9	0.6	80	<u>26.9</u>	26.9	7.8	7.8	19.3	19.2	<u>68.6</u>	68.7	4.9	10.5										
						6.9	0.6	77	<u>26.9</u>		7.8	7.8	19.2	19.2	<u>68.8</u>	68.7	4.9	9.7										
SR1A	Sunny	Moderate	09:42	4.8	Surface	1.0	0.0	129	<u>27.7</u>	27.7	7.7	7.7	10.9	10.9	<u>84.9</u>	84.9	6.3	6.3	7.4	7.4	6	6	819973	812659				
						1.0	0.0	124	<u>27.7</u>		7.7	7.7	10.9	10.9	<u>84.9</u>	84.9	6.3		7.4									
					Middle	2.4	0.1	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						2.4	0.0	130	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.8	0.0	115	<u>27.7</u>	27.7	7.7	7.7	10.9	10.9	<u>84.9</u>	84.9	6.3	7.4										
						3.8	0.0	113	<u>27.7</u>		7.7	7.7	10.9	10.9	<u>84.9</u>	84.9	6.3	7.4										
SR2	Sunny	Moderate	09:25	4.7	Surface	1.0	0.6	34	<u>28.0</u>	28.0	7.9	7.9	6.7	6.7	<u>88.5</u>	88.4	6.7	6.7	8.1	7.5	6	6	821449	814146				
						1.0	0.6	36	<u>27.9</u>		7.9	7.9	6.7	6.7	<u>88.3</u>	88.4	6.7		8.0									
					Middle	-	0.5	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
						-	0.6	63	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	
					Bottom	3.7	0.5	35	<u>27.3</u>	27.3	7.9	7.9	14.2	14.1	<u>78.2</u>	78.2	5.7	7.1										
						3.7	0.6	34	<u>27.3</u>		7.9	7.9	14.1	14.1	<u>78.2</u>	78.2	5.7	7.1										
SR3	Cloudy	Moderate	08:22	8.9	Surface	1.0	0.4	172	<u>27.9</u>	27.9	7.6	7.6	6.1	6.1	<u>81.8</u>	81.8	6.2	6.0	8.8	9.3	7	6	822166	807561				
						1.0	0.4	170	<u>27.9</u>		7.6	7.6	6.2	6.1	<u>81.8</u>	81.8	6.2		8.8									
					Middle	4.5	0.4	157	<u>27.4</u>	27.4	7.9	7.9	11.9	11.9	<u>76.4</u>	76.4	5.7	5.7										
						4.5	0.4	158	<u>27.4</u>		7.9	7.9	11.9	11.9	<u>76.4</u>	76.4	5.7	5.7										
					Bottom	7.9	0.4	151	<u>27.1</u>	27.2	7.9	7.9	23.0	23.0	<u>65.8</u>	65.9	4.6	13.4										
						7.9	0.3	154	<u>27.2</u>		7.9	7.9	22.9	23.0	<u>66.0</u>	65.9	4.6	13.2										
SR4A	Cloudy	Moderate	07:17	8.5	Surface	1.0	0.1	86	<u>27.5</u>	27.5	7.9	7.9	10.5	10.5	<u>84.7</u>	84.7	6.3	6.1	5.7	10.6	7	6	817203	807814				
						1.0	0.1	83	<u>27.5</u>		7.9	7.9	10.5	10.5	<u>84.7</u>	84.7	6.3		6.0									
					Middle	4.3	0.1	117	<u>27.2</u>	27.2	8.0	8.0	13.8	13.7	<u>79.4</u>	79.4	5.8	11.1										
						4.3	-	112	<u>27.2</u>		8.0	8.0	13.7	13.7	<u>79.4</u>	79.4	5.8	11.5										
					Bottom	7.5	0.1	110	<u>26.9</u>	26.9	7.9	7.9	29.5	29.5	<u>70.9</u>	71.0	4.8	14.8										
						7.5	0.0	113	<u>26.9</u>		7.9	7.9	29.5	29.5	<u>71.1</u>	71.0	4.8	14.6										
SR8	Sunny	Moderate	10:06	4.6	Surface	1.0	-	-	<u>28.6</u>	28.6	7.9	7.9	5.6	5.6	<u>94.7</u>	94.6	7.1	7.1	10.5	11.3	6	6	820389	811626				
						1.0	-	-	<u>28.6</u>		7.9	7.9	5.7	5.6	<u>94.5</u>	94.6	7.1		10.6									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-		
					Bottom	3.6	-	-	<u>28.9</u>	28.9	7.8	7.8	7.9	7.9	<u>94.0</u>	94.0	6.9	12.0										
						3.6	-	-	<u>28.9</u>		7.8	7.8	7.9	7.9	<u>94.0</u>	94.0	6.9	12.0										

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Water Quality Monitoring

Water Quality Monitoring Results on 09 July 22 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	15:17	8.8	Surface	1.0	0.2	45	28.1	28.1	8.0	8.0	6.8	6.8	87.2	87.2	6.6	6.5	7.5	11.0	7	7	815609	804241
						1.0	0.2	51	28.1		8.0	8.0	6.8	6.8	87.1	87.2	6.6		7.6					
					Middle	4.4	0.3	27	27.6	27.6	8.0	8.0	8.9	8.9	83.9	83.8	6.3	10.9	7					
						4.4	0.3	28	27.6		8.0	8.0	8.9	8.9	83.7	83.8	6.3	10.9	7					
					Bottom	7.8	0.3	17	27.3	27.3	8.0	8.0	12.8	12.9	73.0	73.0	5.3	14.7	7					
						7.8	0.3	19	27.3		8.0	8.0	13.1	12.9	73.0	73.0	5.3	14.7	6					
C2	Cloudy	Moderate	13:54	11.0	Surface	1.0	0.0	227	27.6	27.6	7.8	7.8	7.1	7.1	75.1	75.1	5.7	5.1	9.5	6.4	6	6	825695	806957
						1.0	0.1	234	27.6		7.8	7.8	7.1	7.1	75.0	75.1	5.7		9.5					
					Middle	5.5	0.0	217	26.8	26.8	8.0	8.0	23.2	23.3	63.6	63.7	4.5	3.9	6					
						5.5	-	210	26.8		8.0	8.0	23.4	23.3	63.7	63.7	4.5	3.9	6					
					Bottom	10.0	0.0	254	27.0	27.1	8.0	7.9	23.6	23.6	63.9	64.0	4.5	5.7	7					
						10.0	0.0	251	27.1		7.9	7.9	23.6	23.6	64.1	64.0	4.5	6.1	7					
C3	Cloudy	Moderate	15:18	11.7	Surface	1.0	0.4	259	28.3	28.3	8.0	8.0	11.8	11.8	90.8	90.8	6.6	5.9	8.6	9.4	7	6	822125	817811
						1.0	0.4	253	28.3		8.0	8.0	11.8	11.8	90.8	90.8	6.6		9.3					
					Middle	5.9	0.4	269	26.8	26.8	8.0	8.0	22.4	22.4	73.0	73.0	5.2	8.1	6					
						5.9	0.4	271	26.7		8.0	8.0	22.3	22.4	73.0	73.0	5.2	8.0	7					
					Bottom	10.7	0.4	274	26.5	26.5	8.0	8.0	28.4	28.4	69.1	69.1	4.7	11.3	6					
						10.7	0.4	268	26.5		8.0	8.0	28.4	28.4	69.1	69.1	4.7	11.2	6					
IM1	Cloudy	Moderate	14:37	6.6	Surface	1.0	0.2	1	27.9	27.9	8.0	8.0	9.7	9.7	83.7	83.7	6.2	6.2	10.9	11.5	6	7	818332	806446
						1.0	0.2	359	27.9		8.0	8.0	9.7	9.7	83.7	83.7	6.2		11.0					
					Middle	3.3	0.2	342	27.3	27.3	8.1	8.1	10.6	10.6	82.2	82.0	6.1	10.8	7					
						3.3	0.1	341	27.3		8.1	8.1	10.6	10.6	81.8	82.0	6.1	10.8	6					
					Bottom	5.6	0.2	15	27.2	27.3	8.1	8.1	29.4	29.3	73.4	73.6	4.9	12.7	8					
						5.6	0.2	8	27.3		8.1	8.1	29.3	29.3	73.7	73.7	5.0	12.9	6					
IM2	Cloudy	Moderate	14:20	6.7	Surface	1.0	0.2	288	28.0	28.0	8.1	8.1	9.0	9.0	87.0	87.0	6.5	6.5	9.2	7.6	7	6	819180	806238
						1.0	0.2	286	28.0		8.1	8.1	9.0	9.0	87.0	87.0	6.5		9.9					
					Middle	3.4	0.2	298	27.8	27.8	8.1	8.1	11.0	11.0	86.2	86.2	6.4	6.6	6					
						3.4	0.2	292	27.8		8.1	8.1	11.0	11.0	86.1	86.2	6.4	6.5	6					
					Bottom	5.7	0.2	292	27.8	27.8	8.1	8.1	11.7	11.7	86.0	86.0	6.3	6.6	6					
						5.7	0.1	296	27.8		8.1	8.1	11.7	11.7	85.9	86.0	6.3	6.8	5					
IM7	Cloudy	Moderate	14:13	7.8	Surface	1.0	0.2	243	27.9	27.9	8.0	8.0	5.8	5.8	82.0	82.0	6.2	6.1	8.0	8.8	6	6	821372	806831
						1.0	0.2	241	27.9		8.0	8.0	5.8	5.8	81.9	82.0	6.2		7.9					
					Middle	3.9	0.2	260	27.4	27.4	8.2	8.2	7.4	7.4	79.5	79.5	6.0	5.5	6					
						3.9	0.2	262	27.4		8.2	8.2	7.4	7.4	79.5	79.5	6.0	5.5	5					
					Bottom	6.8	0.2	252	27.1	27.2	8.1	8.1	22.3	22.4	66.6	66.8	4.7	12.8	5					
						6.8	0.2	255	27.2		8.1	8.1	22.4	22.4	66.9	66.8	4.7	13.0	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 12 July 22 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	12:02	8.8	Surface	1.0	0.7	200	27.7	27.7	8.1	8.0	11.1	11.6	92.2	91.5	6.8	5.9	9.6	10.0	4	4	815615	804258
						1.0	0.7	203	27.6		8.0		12.1		90.8	6.7	9.7		4					
					Middle	4.4	0.7	212	26.6	26.6	8.0	8.0	28.4	28.5	73.8	73.9	5.1	5.1	13.1	4	4			
						4.4	0.8	217	26.6		8.0		28.6		74.0		5.1		13.1		4			
					Bottom	7.8	0.7	193	26.6	26.6	8.0	8.0	29.0	29.0	74.8	74.9	5.1	5.1	7.1	4	4			
						7.8	0.7	185	26.6		8.0		29.0		75.0		5.1		7.3		5			
C2	Sunny	Moderate	10:32	10.5	Surface	1.0	0.6	159	28.2	28.2	8.1	8.1	12.0	12.1	97.0	96.9	7.1	6.3	7.1	10.6	5	6	825705	806944
						1.0	0.5	158	28.1		8.1		12.1		96.7	7.1	7.6		5					
					Middle	5.3	0.6	173	27.3	27.3	8.0	8.0	20.0	19.9	76.5	76.7	5.4	5.1	12.9	6	6			
						5.3	0.6	178	27.3		8.0		19.7		76.8		5.5		12.6		5			
					Bottom	9.5	0.6	187	27.1	27.1	7.9	7.9	22.4	22.4	73.0	73.1	5.1	5.1	11.7	6	6			
						9.5	0.6	182	27.1		7.9		22.4		73.1		5.1		11.9		6			
C3	Sunny	Calm	11:03	10.0	Surface	1.0	0.5	67	28.3	28.3	8.5	8.5	19.5	19.5	99.6	99.8	7.0	7.0	4.2	5.8	8	7	822093	817809
						1.0	0.5	59	28.3		8.5		19.5		99.9	7.0	4.2		7					
					Middle	5.0	0.6	89	28.3	28.3	8.5	8.5	19.6	19.6	100.6	100.7	7.0	7.1	6.1	6	7			
						5.0	0.6	96	28.3		8.5		19.6		100.7		7.0		6.2		6			
					Bottom	9.0	0.5	51	28.3	28.3	8.5	8.5	19.6	19.6	100.9	101.0	7.0	7.1	7.2	6	7			
						9.0	0.5	56	28.3		8.5		19.5		101.0		7.1		7.1		6			
IM1	Sunny	Moderate	11:44	6.7	Surface	1.0	0.5	202	27.3	27.3	8.1	8.1	17.1	17.1	93.7	93.5	6.8	5.9	8.5	8.0	6	5	818338	806473
						1.0	0.5	200	27.2		8.1		17.1		93.3	6.7	8.7		6					
					Middle	3.4	0.5	209	26.7	26.7	8.0	8.0	27.7	27.7	74.5	74.6	5.1	5.1	9.9	5	6			
						3.4	0.5	203	26.7		8.0		27.7		74.6		5.1		9.9		5			
					Bottom	5.7	0.5	193	26.6	26.6	8.0	8.0	28.7	28.7	74.4	74.5	5.1	5.1	5.9	4	4			
						5.7	0.5	197	26.6		8.0		28.7		74.5		5.1		5.3		4			
IM2	Sunny	Moderate	11:17	6.9	Surface	1.0	0.5	195	27.7	27.8	8.1	8.1	19.9	19.6	92.2	94.2	6.5	5.9	8.7	10.9	4	5	819175	806245
						1.0	0.5	191	27.8		8.1		19.2		96.1	6.8	8.9		5					
					Middle	3.5	0.4	211	26.8	26.8	8.0	8.0	25.2	25.3	74.4	74.3	5.2	5.0	13.0	5	4			
						3.5	0.4	210	26.8		8.0		25.3		74.2		5.1		13.8		5			
					Bottom	5.9	0.5	202	26.5	26.6	8.0	8.0	29.2	29.1	73.1	73.2	5.0	5.0	10.7	5	5			
						5.9	0.5	204	26.6		8.0		29.1		73.3		5.0		10.6		5			
IM7	Sunny	Moderate	11:11	8.4	Surface	1.0	0.3	163	28.1	28.1	8.1	8.1	13.3	13.3	104.9	104.9	7.6	7.1	6.7	8.8	5	5	821342	806854
						1.0	0.3	161	28.0		8.1		13.3		104.9	7.6	6.7		6					
					Middle	4.2	0.3	185	27.8	27.7	8.0	8.0	13.4	14.3	93.2	90.5	6.8	5.4	7.4	5	5			
						4.2	0.2	178	27.6		8.0		15.2		87.7		6.3		7.5		5			
					Bottom	7.4	0.3	155	27.2	27.2	7.9	7.9	21.9	21.9	76.4	76.6	5.4	5.4	12.2	4	4			
						7.4	0.3	150	27.2		7.9		21.9		76.7		5.4		12.1		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 12 July 22 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	Calm	10:01	8.6	Surface	1.0	0.5	117	28.6	28.6	7.7	7.7	12.6	12.6	91.1	91.1	6.6	5.9	5.0	7.0	6	5	822246	809859
						1.0	0.5	113	28.6		7.7	7.7	12.6	12.6	91.1	91.1	6.6		5.0					
					Middle	4.3	0.5	122	28.6	28.6	7.7	7.7	16.8	16.8	75.3	75.3	5.2	5.7	7.0	5				
						4.3	0.5	127	28.6		7.7	7.7	16.8	16.8	75.3	75.3	5.2		7.0	5				
					Bottom	7.6	0.5	93	28.7	28.7	7.7	7.7	19.6	19.5	78.6	80.7	5.5	5.7	8.9	4				
						7.6	0.5	86	28.7		7.7	7.7	19.4	19.5	82.8	80.7	5.8		8.8	5				
IM11	Sunny	Calm	10:08	7.0	Surface	1.0	0.6	96	28.5	28.5	7.8	7.8	11.9	11.9	103.4	102.7	7.5	6.9	5.1	6.9	4	4	821485	810521
						1.0	0.6	92	28.5		7.8	7.8	11.9	11.9	102.0	102.7	7.4		5.2					
					Middle	3.5	0.6	106	28.6	28.7	7.8	7.8	12.3	12.5	91.8	87.6	6.6	6.1	7.4	4				
						3.5	0.7	112	28.7		7.8	7.8	12.7	12.5	83.4	87.6	6.0		7.5	4				
					Bottom	6.0	0.6	96	29.0	29.1	7.8	7.8	17.3	17.2	85.5	86.2	6.0	6.1	8.1	4				
						6.0	0.6	101	29.1		7.8	7.8	17.2	17.2	86.9	86.2	6.1		8.2	4				
IM12	Sunny	Calm	10:13	7.4	Surface	1.0	0.7	97	28.4	28.4	7.8	7.8	12.7	12.8	93.4	91.5	6.8	6.3	3.3	4.4	4	5	821144	811532
						1.0	0.7	102	28.4		7.8	7.8	12.8	12.8	89.6	91.5	6.5		3.4					
					Middle	3.7	0.7	105	28.5	28.6	7.8	7.8	15.9	15.9	85.2	85.2	6.0	6.2	4.1	4				
						3.7	0.7	97	28.6		7.8	7.8	15.9	15.9	85.2	85.2	6.0		4.2	5				
					Bottom	6.4	0.7	87	29.1	29.1	7.8	7.8	16.0	15.9	87.3	88.0	6.1	6.2	5.6	5				
						6.4	0.7	86	29.1		7.8	7.8	15.9	15.9	88.6	88.0	6.2		5.6	5				
SR1A	Sunny	Calm	10:33	4.6	Surface	1.0	0.0	117	29.3	29.4	7.9	7.9	13.3	13.3	110.2	110.3	7.8	7.8	8.9	8.9	6	6	819976	812658
						1.0	0.0	112	29.4		7.9	7.9	13.3	13.3	110.3	110.3	7.8		8.8					
					Middle	2.3	0.0	96	-	-	-	-	-	-	-	-	-	7.7	-	4				
						2.3	0.0	97	-		-	-	-	-	-	-	-		-	4				
					Bottom	3.6	0.0	113	29.7	29.7	7.9	7.9	13.3	13.3	108.9	108.4	7.7	7.7	9.0	5				
						3.6	0.0	106	29.7		7.9	7.9	13.2	13.3	107.9	108.4	7.6		9.0	5				
SR2	Sunny	Calm	10:44	5.0	Surface	1.0	0.6	49	28.7	28.7	7.9	7.9	11.7	11.7	98.6	98.4	7.1	7.1	6.0	6.6	4	4	821461	814157
						1.0	0.6	44	28.7		7.9	7.9	11.7	11.7	98.2	98.4	7.1		6.1					
					Middle	-	0.6	54	-	-	-	-	-	-	-	-	-	7.1	-	4				
						-	0.6	52	-		-	-	-	-	-	-	-		-	4				
					Bottom	4.0	0.6	66	28.5	28.6	7.9	7.9	15.4	15.0	96.1	98.9	6.9	7.1	7.1	3				
						4.0	0.6	68	28.6		7.9	7.9	14.6	15.0	101.7	98.9	7.3		7.1	3				
SR3	Sunny	Moderate	10:53	8.8	Surface	1.0	0.6	169	28.2	28.2	8.0	8.0	12.1	12.1	96.0	96.0	7.0	6.4	6.9	9.5	4	5	822143	807548
						1.0	0.5	176	28.1		8.0	8.0	12.1	12.1	95.9	96.0	7.0		7.1					
					Middle	4.4	0.5	169	27.5	27.5	8.0	8.0	17.6	17.6	80.2	80.2	5.7	5.4	9.3	5				
						4.4	0.6	172	27.5		8.0	8.0	17.7	17.6	80.2	80.2	5.7		9.3	5				
					Bottom	7.8	0.6	159	27.0	27.0	8.0	8.0	23.4	23.4	76.6	76.6	5.4	5.4	12.4	5				
						7.8	0.6	153	27.0		8.0	8.0	23.4	23.4	76.6	76.6	5.4		12.4	5				
SR4A	Sunny	Moderate	12:29	8.8	Surface	1.0	0.0	72	28.6	28.7	8.2	8.2	11.2	11.2	110.9	110.7	8.1	6.6	9.8	8.8	4	4	817197	807812
						1.0	0.0	79	28.7		8.2	8.2	11.2	11.2	110.5	110.7	8.0		10.3					
					Middle	4.4	0.0	41	26.7	26.7	8.0	8.0	26.8	26.7	75.1	75.2	5.2	5.3	7.1	4				
						4.4	0.1	39	26.7		8.0	8.0	26.6	26.7	75.2	75.2	5.2		7.2	4				
					Bottom	7.8	0.0	81	26.7	26.7	8.0	8.0	28.2	28.2	77.3	77.6	5.3	5.3	9.3	4				
						7.8	0.0	83	26.7		8.0	8.0	28.2	28.2	77.9	77.6	5.3		9.3	5				
SR8	Sunny	Calm	10:17	5.0	Surface	1.0	-	-	29.2	29.3	7.9	7.9	12.7	12.7	104.8	104.8	7.5	7.5	8.2	8.8	3	4	820396	811611
						1.0	-	-	29.3		7.9	7.9	12.7	12.7	104.7	104.8	7.5		8.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	7.4	-	4				
						-	-	-	-		-	-	-	-	-	-	-		-	4				
					Bottom	4.0	-	-	29.5	29.5	7.9	7.9	12.7	12.7	104.6	104.7	7.4	7.4	9.4	5				
						4.0	-	-	29.5		7.9	7.9	12.6	12.7	104.7	104.7	7.4		9.5	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 12 July 22 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	04:08	7.8	Surface	1.0	0.2	30	27.5	27.5	8.1	8.1	9.8	9.8	98.8	98.6	7.4	6.5	11.7	12.6	5	5	815623	804229		
						1.0	0.2	29	27.5		8.1		9.7		98.4		7.3		11.8		5					
					Middle	3.9	0.3	37	26.5	26.5	8.0	8.0	21.1	21.1	78.9	78.9	5.6	4.8	12.5	4.8	6				5	5
						3.9	0.3	39	26.5		8.0		21.1		78.9		5.6		12.5		5					
					Bottom	6.8	0.2	27	26.1	26.1	7.9	7.9	31.0	30.9	71.0	71.3	4.8	4.8	13.9	4.8	5				5	5
						6.8	0.2	30	26.1		7.9		30.9		71.5		4.8		13.4		6					
C2	Fine	Moderate	05:14	10.6	Surface	1.0	0.3	337	27.9	27.9	8.1	8.1	12.3	12.3	98.3	98.1	7.2	6.3	7.8	8.9	4	5	825702	806943		
						1.0	0.3	333	27.8		8.1		12.3		97.9		7.2		7.4		4					
					Middle	5.3	0.3	345	26.9	26.9	7.9	7.9	22.0	22.0	75.9	76.0	5.3	5.5	8.6	5.5	4				5	5
						5.3	0.3	342	26.9		7.9		22.1		76.1		5.3		8.1		5					
					Bottom	9.6	0.4	4	26.9	26.9	7.9	7.9	22.1	22.1	77.6	77.7	5.5	5.5	10.8	5.5	5				5	5
						9.6	0.3	3	26.9		7.9		22.1		77.8		5.5		10.4		5					
C3	Sunny	Calm	04:57	8.2	Surface	1.0	0.4	247	28.1	28.1	7.8	7.8	20.2	20.2	98.1	98.1	6.9	6.8	1.0	1.5	7	6	822116	817805		
						1.0	0.4	240	28.0		7.8		20.2		98.0		6.9		1.0		7					
					Middle	4.1	0.5	272	27.8	27.8	7.8	7.8	20.5	20.5	95.8	95.6	6.7	6.2	1.4	6.2	6				6	6
						4.1	0.4	271	27.8		7.8		20.6		95.3		6.7		1.5		6					
					Bottom	7.2	0.5	234	28.0	28.0	7.7	7.7	25.1	25.1	90.7	90.9	6.2	6.2	2.1	6.2	5				6	5
						7.2	0.4	232	28.0		7.7		25.1		91.0		6.2		2.1		5					
IM1	Fine	Moderate	04:26	6.3	Surface	1.0	0.1	21	26.8	26.8	8.0	8.0	22.3	22.3	80.1	80.1	5.6	5.4	10.7	12.1	6	6	818342	806452		
						1.0	0.1	21	26.7		8.0		22.3		80.1		5.6		10.3		6					
					Middle	3.2	0.2	32	26.4	26.4	8.0	8.0	27.3	27.4	73.8	73.9	5.1	5.2	12.9	5.2	6				6	6
						3.2	0.2	31	26.4		8.0		27.5		74.0		5.1		13.3		6					
					Bottom	5.3	0.1	10	26.3	26.3	8.0	8.0	29.1	29.1	75.8	75.9	5.2	5.2	12.9	5.2	6				6	5
						5.3	0.0	12	26.3		8.0		29.1		76.0		5.2		12.5		5					
IM2	Fine	Moderate	04:32	6.8	Surface	1.0	0.1	340	26.8	26.8	8.0	8.0	21.0	20.8	83.3	83.4	5.9	5.5	12.2	13.4	4	5	819177	806244		
						1.0	0.1	334	26.8		8.0		20.7		83.4		5.9		12.7		4					
					Middle	3.4	0.1	357	26.4	26.4	8.0	8.0	26.9	26.9	73.1	73.2	5.0	5.2	13.2	5.2	4				5	5
						3.4	0.2	352	26.4		8.0		26.9		73.3		5.1		13.3		5					
					Bottom	5.8	0.1	13	26.2	26.2	8.0	8.0	29.2	29.2	75.7	75.9	5.2	5.2	14.2	5.2	5				6	5
						5.8	0.1	17	26.2		8.0		29.2		76.1		5.2		14.7		5					
IM7	Fine	Moderate	04:59	8.4	Surface	1.0	0.2	329	28.6	28.6	8.1	8.1	9.6	9.7	113.1	113.1	8.3	7.2	5.9	9.2	4	5	821346	806817		
						1.0	0.2	330	28.6		8.1		9.7		113.1		8.3		5.9		4					
					Middle	4.2	0.2	358	27.1	27.1	8.0	8.0	15.8	15.9	84.7	84.6	6.1	5.5	9.8	5.5	5				5	5
						4.2	0.2	350	27.0		8.0		15.9		84.4		6.1		9.2		5					
					Bottom	7.4	0.2	330	26.7	26.7	8.0	8.0	23.0	23.0	78.3	78.5	5.5	5.5	12.3	5.5	5				6	5
						7.4	0.2	322	26.7		8.0		23.0		78.6		5.5		12.3		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 12 July 22 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	Sunny	Calm	06:16	7.8	Surface	1.0	0.4	311	28.2	28.2	7.7	7.7	10.8	10.9	88.8	88.5	6.5	5.9	6.1	6.5	4	4	822237	809836	
						1.0	0.3	305	28.2		7.7	7.7	11.0	10.9	88.2	88.5	6.4		6.1						
					Middle	3.9	0.4	315	27.9	27.9	7.7	7.7	19.8	19.8	74.9	75.1	5.3	6.1							
						3.9	0.4	315	27.9		7.7	7.7	19.9	19.8	75.2	75.1	5.3	6.1							
					Bottom	6.8	0.4	276	28.0	28.0	7.7	7.7	19.9	19.9	80.8	82.5	5.7	7.3							
						6.8	0.4	276	28.0		7.7	7.7	19.9	19.9	84.1	82.5	5.9	7.3							
IM11	Sunny	Calm	06:08	9.0	Surface	1.0	0.4	275	28.3	28.3	7.8	7.8	10.9	10.9	94.1	93.1	6.9	6.2	6.1	7.2	3	4	821517	810550	
						1.0	0.4	268	28.2		7.8	7.8	10.9	10.9	92.1	93.1	6.8		6.1						
					Middle	4.5	0.4	284	28.3	28.4	7.6	7.6	16.8	16.8	77.6	77.7	5.5	7.3							
						4.5	0.5	287	28.4		7.6	7.6	16.8	16.8	77.7	77.7	5.5	7.3							
					Bottom	8.0	0.4	301	28.8	28.9	7.6	7.6	18.2	18.2	80.0	80.3	5.6	8.1							
						8.0	0.4	299	28.9		7.6	7.6	18.1	18.2	80.6	80.3	5.6	8.1							
IM12	Sunny	Calm	06:00	9.4	Surface	1.0	0.5	292	28.5	28.5	7.6	7.6	10.9	10.9	97.7	97.2	7.1	6.6	7.0	8.2	4	4	821146	811519	
						1.0	0.5	295	28.4		7.6	7.6	10.9	10.9	96.7	97.2	7.1		7.0						
					Middle	4.7	0.4	290	28.7	28.8	7.6	7.6	16.0	16.0	86.6	86.8	6.1	8.0							
						4.7	0.4	286	28.8		7.6	7.6	16.0	16.0	87.0	86.8	6.1	8.0							
					Bottom	8.4	0.5	256	29.0	29.1	7.6	7.6	16.0	15.9	88.8	89.5	6.2	9.5							
						8.4	0.5	261	29.1		7.6	7.6	15.8	15.9	90.1	89.5	6.3	9.6							
SR1A	Sunny	Calm	05:38	5.2	Surface	1.0	0.1	198	28.5	28.5	7.5	7.5	13.6	13.4	102.6	102.7	7.4	7.4	8.4	9.0	4	5	819976	812664	
						1.0	0.1	194	28.5		7.5	7.5	13.1	13.4	102.7	102.7	7.4		8.4						
					Middle	2.6	0.0	198	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						2.6	0.0	202	-		-	-	-	-	-	-	-	-	-	-	-				-
					Bottom	4.2	0.0	172	28.5	28.5	7.5	7.5	14.5	14.4	103.1	103.2	7.4	9.7							
						4.2	0.0	178	28.5		7.5	7.5	14.3	14.4	103.2	103.2	7.4	9.6							
SR2	Sunny	Calm	05:24	5.0	Surface	1.0	0.2	235	28.9	28.9	7.5	7.5	11.1	11.1	103.8	103.8	7.5	7.5	9.2	9.6	6	5	821453	814159	
						1.0	0.2	228	28.8		7.5	7.5	11.1	11.1	103.7	103.7	7.5		9.3						
					Middle	-	0.1	243	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						-	0.1	245	-		-	-	-	-	-	-	-	-	-	-	-				-
					Bottom	4.0	0.1	216	28.7	28.7	7.5	7.5	11.2	11.1	103.2	103.1	7.5	10.0							
						4.0	0.1	216	28.7		7.5	7.5	11.1	11.1	103.0	103.1	7.5	10.1							
SR3	Fine	Moderate	05:07	9.0	Surface	1.0	0.3	345	27.8	27.8	8.0	8.0	11.7	11.7	93.9	93.8	6.9	6.2	7.2	9.9	5	4	822140	807571	
						1.0	0.3	349	27.8		8.0	8.0	11.7	11.7	93.6	93.8	6.8		7.2						
					Middle	4.5	0.3	318	27.2	27.2	7.9	7.9	18.1	18.1	77.3	77.3	5.5	9.7							
						4.5	0.2	319	27.2		7.9	7.9	18.1	18.1	77.3	77.3	5.5	9.7							
					Bottom	8.0	0.4	334	26.7	26.7	7.9	7.9	23.5	23.6	73.0	73.7	5.1	13.0							
						8.0	0.4	336	26.7		7.9	7.9	23.6	23.6	74.3	73.7	5.2	12.7							
SR4A	Fine	Moderate	03:47	8.6	Surface	1.0	0.1	209	27.8	27.8	8.1	8.1	10.0	10.0	96.1	95.8	7.1	6.3	7.5	9.3	5	5	817197	807827	
						1.0	0.1	203	27.8		8.1	8.1	10.0	10.0	95.5	95.8	7.1		7.5						
					Middle	4.3	0.0	199	26.3	26.3	8.0	8.0	23.9	24.0	78.6	78.5	5.5	8.7							
						4.3	0.0	193	26.3		8.0	8.0	24.0	24.0	78.3	78.5	5.5	8.7							
					Bottom	7.6	0.1	238	26.1	26.1	7.8	7.8	30.6	30.6	66.4	66.3	4.5	11.7							
						7.6	0.0	235	26.1		7.8	7.8	30.6	30.6	66.1	66.3	4.5	11.8							
SR8	Sunny	Calm	05:55	5.0	Surface	1.0	-	-	28.7	28.7	7.6	7.6	13.9	13.9	104.0	103.8	7.5	7.5	6.7	7.4	6	6	820394	811599	
						1.0	-	-	28.7		7.6	7.6	13.8	13.8	103.6	103.8	7.4		6.8						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-				-
					Bottom	4.0	-	-	29.0	29.0	7.6	7.6	18.9	18.6	92.6	94.3	6.4	8.1							
						4.0	-	-	29.0		7.6	7.6	18.4	18.6	95.9	94.3	6.7	8.0							

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 14 July 22 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	12:47	8.2	Surface	1.0	0.7	225	<u>28.5</u>	28.5	8.1	8.1	16.7	16.7	97.3	97.2	6.9	6.3	5.9	8.5	6	6	815624	804244
						1.0	0.6	220	28.5		8.1		16.8		97.0		6.9		6.0					
					Middle	4.1	0.7	222	26.7	8.0	8.0	24.6	24.6	80.1	79.9	5.6	7.2	6						
						4.1	0.7	219	26.6	8.0	8.0	24.6	24.6	79.6	79.9	5.6	7.3	6						
					Bottom	7.2	0.7	212	26.3	8.0	8.0	30.5	30.5	70.9	71.3	4.8	12.5	5						
						7.2	0.6	212	26.3	8.0	8.0	30.5	30.5	71.6	71.3	4.9	12.1	5						
C2	Sunny	Moderate	11:40	10.8	Surface	1.0	0.5	166	27.7	27.7	8.0	8.0	17.4	17.4	83.8	83.7	6.0	5.7	11.9	13.8	4	5	825698	806962
						1.0	0.6	160	27.7		8.0		17.5		83.6		6.0		11.3					
					Middle	5.4	0.5	169	27.5	8.0	8.0	21.3	21.3	76.2	76.3	5.3	13.8	4						
						5.4	0.5	174	27.5	8.0	8.0	21.3	21.3	76.3	76.3	5.4	13.1	5						
					Bottom	9.8	0.5	164	27.5	8.0	8.0	21.5	21.5	77.7	77.7	5.4	16.7	5						
						9.8	0.5	167	27.5	8.0	8.0	21.5	21.5	77.7	77.7	5.5	16.3	6						
C3	Sunny	Moderate	12:46	9.8	Surface	1.0	0.5	86	28.4	28.4	7.7	7.7	21.9	22.0	91.1	91.1	6.3	6.2	4.3	4.9	7	6	822129	817804
						1.0	0.5	79	28.4		7.7		22.0		91.1		6.3		4.3					
					Middle	4.9	0.5	75	28.4	7.8	7.8	22.2	22.2	89.6	89.4	6.2	4.4	5						
						4.9	0.6	70	28.4	7.7	7.7	22.3	22.3	89.2	89.4	6.1	4.5	6						
					Bottom	8.8	0.6	53	28.4	7.7	7.7	22.2	22.1	89.5	89.9	6.2	6.0	6						
						8.8	0.6	53	28.5	7.7	7.7	22.1	22.1	90.2	89.9	6.2	5.9	6						
IM1	Sunny	Moderate	12:33	7.3	Surface	1.0	0.3	183	27.4	27.4	8.0	8.0	21.5	21.5	87.9	88.0	6.2	5.7	9.0	10.7	4	5	818364	806472
						1.0	0.4	187	27.3		8.0		21.5		88.0		6.2		9.0					
					Middle	3.7	0.4	211	26.7	8.0	8.0	26.2	26.1	75.1	75.3	5.2	10.4	5						
						3.7	0.4	207	26.7	8.0	8.0	26.1	26.1	75.4	75.3	5.2	10.3	4						
					Bottom	6.3	0.4	176	26.5	8.0	8.0	29.4	29.4	72.6	72.9	5.0	12.7	5						
						6.3	0.4	168	26.5	8.0	8.0	29.4	29.4	73.1	72.9	5.0	12.9	5						
IM2	Sunny	Moderate	12:28	7.7	Surface	1.0	0.4	193	28.0	28.0	8.1	8.1	18.4	18.4	108.2	107.3	7.6	6.5	8.0	10.7	6	7	819159	806248
						1.0	0.4	188	28.0		8.1		18.5		106.3		7.5		8.1					
					Middle	3.9	0.4	176	26.9	8.0	8.0	23.1	23.1	78.8	78.4	5.5	12.5	7						
						3.9	0.4	170	26.8	8.0	8.0	23.2	23.2	78.0	78.4	5.5	12.7	7						
					Bottom	6.7	0.4	210	26.8	8.0	8.0	27.9	27.9	74.6	74.9	5.1	11.4	7						
						6.7	0.5	204	26.8	8.0	8.0	27.9	27.9	75.1	74.9	5.1	11.5	8						
IM7	Sunny	Moderate	12:03	8.4	Surface	1.0	0.3	135	28.2	28.2	8.0	8.0	16.7	16.7	91.8	91.9	6.5	6.2	9.0	12.0	7	7	821340	806848
						1.0	0.3	129	28.1		8.0		16.7		91.9		6.6		9.1					
					Middle	4.2	0.3	143	27.5	8.0	8.0	19.7	19.7	81.7	81.7	5.8	12.0	7						
						4.2	0.3	150	27.5	8.0	8.0	19.8	19.8	81.6	81.7	5.8	12.6	6						
					Bottom	7.4	0.3	167	27.4	8.0	8.0	22.4	22.4	82.3	82.5	5.8	14.7	8						
						7.4	0.3	172	27.4	8.0	8.0	22.3	22.3	82.6	82.5	5.8	14.5	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 14 July 22 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	Sunny	Moderate	11:45	8.4	Surface	1.0	0.7	91	28.8	28.8	7.7	7.7	16.5	16.5	94.8	94.2	6.7	6.4	3.7	4.6	4	5	822229	809842
						1.0	0.7	93	28.8		7.7	7.7	16.6		93.5	6.6	3.7							
					Middle	4.2	0.6	97	28.8	28.8	7.7	7.7	18.4	18.4	89.6	89.6	6.2	4.6						
						4.2	0.5	95	28.8		7.7	7.7	18.4		89.6	6.2	4.6							
					Bottom	7.4	0.6	92	28.8	28.9	7.7	7.7	18.4	18.4	90.2	90.7	6.3	5.7						
						7.4	0.7	87	28.9		7.7	7.7	18.3		91.2	6.4	5.6							
IM11	Sunny	Moderate	11:51	7.2	Surface	1.0	0.7	88	28.5	28.5	7.7	7.7	16.5	16.5	85.6	85.3	6.1	5.8	7.0	8.1	6	6	821509	810552
						1.0	0.7	86	28.5		7.7	7.7	16.5		85.0	6.0	7.1							
					Middle	3.6	0.7	76	28.5	28.5	7.7	7.7	19.2	19.3	80.1	80.2	5.6	8.1						
						3.6	0.8	83	28.5		7.7	7.7	19.3		80.2	5.6	8.1							
					Bottom	6.2	0.7	93	28.5	28.5	7.8	7.8	19.4	19.3	81.1	81.3	5.7	9.0						
						6.2	0.7	88	28.5		7.8	7.8	19.3		81.5	5.7	9.0							
IM12	Sunny	Moderate	11:56	7.0	Surface	1.0	0.8	88	28.9	28.9	7.8	7.8	16.4	16.4	95.5	95.2	6.7	6.5	5.0	6.3	4	4	821146	811505
						1.0	0.8	83	28.8		7.8	7.8	16.5		94.8	6.7	5.1							
					Middle	3.5	0.7	116	28.8	28.8	7.8	7.8	16.7	16.7	90.8	88.2	6.4	6.5						
						3.5	0.7	114	28.8		7.8	7.8	16.7		85.6	6.0	6.5							
					Bottom	6.0	0.8	112	28.9	29.0	7.7	7.7	20.1	20.2	85.6	87.2	5.9	7.4						
						6.0	0.9	106	29.0		7.7	7.7	20.2		88.7	6.1	7.5							
SR1A	Sunny	Moderate	12:18	4.4	Surface	1.0	0.0	65	28.8	28.8	7.7	7.8	18.7	18.8	90.1	90.2	6.3	6.3	7.0	7.6	4	4	819970	812666
						1.0	0.0	57	28.7		7.8	7.8	18.8		90.2	6.3	7.0							
					Middle	2.2	0.0	90	-	-	-	-	-	-	-	-	-	-						
						2.2	0.0	94	-		-	-	-		-	-								
					Bottom	3.4	-	79	28.8	28.8	7.7	7.7	18.8	18.8	91.3	91.5	6.4	8.2						
						3.4	0.0	73	28.8		7.7	7.7	18.7		91.6	6.4	8.2							
SR2	Sunny	Moderate	12:30	5.0	Surface	1.0	0.7	41	28.7	28.7	7.8	7.8	17.9	17.9	86.3	86.0	6.0	6.0	7.2	7.9	5	5	821466	814176
						1.0	0.7	44	28.7		7.7	7.8	18.0		85.7	6.0	7.2							
					Middle	-	0.7	42	-	-	-	-	-	-	-	-	-	-						
						-	0.7	47	-		-	-	-		-	-								
					Bottom	4.0	0.7	64	28.7	28.8	7.7	7.7	19.2	19.3	84.8	85.4	5.9	8.6						
						4.0	0.7	59	28.8		7.7	7.7	19.3		85.9	6.0	8.7							
SR3	Sunny	Moderate	11:57	8.5	Surface	1.0	0.5	150	28.4	28.4	8.1	8.1	15.1	15.1	105.1	105.0	7.5	6.9	5.8	10.5	4	5	822163	807583
						1.0	0.4	155	28.4		8.1	8.1	15.1		104.9	7.5	6.0							
					Middle	4.3	0.5	149	27.7	27.7	8.0	8.0	19.0	19.0	86.8	86.8	6.2	11.2						
						4.3	0.5	146	27.6		8.0	8.0	19.0		86.7	6.2	11.5							
					Bottom	7.5	0.5	160	27.6	27.6	8.0	8.0	20.9	20.9	86.4	86.4	6.1	14.0						
						7.5	0.5	165	27.5		8.0	8.0	21.0		86.4	6.1	14.8							
SR4A	Sunny	Moderate	13:07	9.2	Surface	1.0	0.1	73	28.0	28.0	8.1	8.1	19.5	19.5	91.2	91.9	6.4	5.6	10.9	12.2	8	7	817187	807826
						1.0	0.1	75	28.0		8.1	8.1	19.5		92.6	6.5	10.6							
					Middle	4.6	0.0	87	26.9	26.9	8.0	8.0	26.4	26.5	69.6	69.5	4.8	11.8						
						4.6	0.0	88	26.9		8.0	8.0	26.7		69.4	4.8	11.6							
					Bottom	8.2	0.0	75	26.9	26.9	8.0	8.0	27.1	27.1	69.1	69.2	4.7	14.4						
						8.2	0.0	77	26.9		8.0	8.0	27.1		69.3	4.8	14.3							
SR8	Sunny	Moderate	12:02	5.2	Surface	1.0	-	-	29.1	29.1	7.7	7.7	17.3	17.3	93.0	93.1	6.5	6.5	9.4	9.7	5	5	820403	811606
						1.0	-	-	29.1		7.7	7.7	17.3		93.1	6.5	9.5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-		-	-	-		-	-								
					Bottom	4.2	-	-	29.1	29.1	7.7	7.8	17.3	17.3	93.8	93.9	6.6	10.0						
						4.2	-	-	29.1		7.8	7.8	17.3		94.0	6.6	10.0							

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 14 July 22 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	06:31	8.5	Surface	1.0	0.3	36	27.3	27.3	8.0	8.0	17.8	17.8	92.2	92.0	6.6	5.9	9.3	11.2	3	3	815627	804224
						1.0	0.4	33	27.3		8.0	8.0	17.8	17.8	91.8	92.0	6.6		9.5					
					Middle	4.3	0.4	31	26.6	26.6	8.0	8.0	25.1	25.0	74.8	74.8	5.2	4.3	10.7	3				
						4.3	0.4	29	26.6		8.0	8.0	25.0	25.0	74.7	74.8	5.2		10.6					
					Bottom	7.5	0.4	21	25.6	25.6	7.9	7.9	32.0	32.0	62.6	62.7	4.2	4.3	13.6	3				
						7.5	0.4	17	25.6		7.9	7.9	32.0	32.0	62.8	62.7	4.3		13.7	2				
C2	Fine	Moderate	07:48	11.9	Surface	1.0	0.5	347	27.5	27.5	8.0	8.0	17.2	16.8	88.7	88.8	6.3	6.0	9.9	12.4	4	4	825704	806928
						1.0	0.5	339	27.5		8.0	8.0	16.3	16.8	88.8	88.8	6.4		9.6					
					Middle	6.0	0.5	339	27.1	27.1	8.0	8.0	21.0	21.1	80.1	80.3	5.6	5.8	12.8	3				
						6.0	0.5	341	27.1		8.0	8.0	21.1	21.1	80.4	80.3	5.6		12.2	4				
					Bottom	10.9	0.4	331	27.0	27.0	8.0	8.0	21.8	21.8	82.9	83.0	5.8	5.8	15.1	4				
						10.9	0.4	329	27.0		8.0	8.0	21.8	21.8	83.1	83.0	5.8		15.1	5				
C3	Sunny	Moderate	06:37	8.2	Surface	1.0	0.4	274	28.5	28.5	7.8	7.8	17.6	17.6	92.0	91.9	6.5	6.4	1.7	2.1	4	4	822130	817793
						1.0	0.5	269	28.5		7.8	7.8	17.6	17.6	91.8	91.9	6.4		1.6					
					Middle	4.1	0.5	241	28.5	28.6	7.8	7.8	19.1	19.1	91.8	91.9	6.4	6.5	2.0	3				
						4.1	0.5	237	28.6		7.8	7.8	19.1	19.1	91.9	91.9	6.4		2.1	4				
					Bottom	7.2	0.5	264	28.6	28.6	7.7	7.7	19.1	19.1	92.3	92.4	6.4	6.5	2.6	4				
						7.2	0.6	267	28.6		7.7	7.7	19.0	19.1	92.5	92.4	6.5		2.6	4				
IM1	Fine	Moderate	06:48	7.2	Surface	1.0	0.3	26	27.6	27.6	8.0	8.0	16.3	16.3	95.6	95.7	6.8	6.5	7.1	10.2	6	6	818348	806462
						1.0	0.2	20	27.6		8.0	8.0	16.3	16.3	95.7	95.7	6.8		7.2					
					Middle	3.6	0.3	35	27.0	27.0	8.0	8.0	19.2	19.2	87.9	87.8	6.3	5.2	7.9	7				
						3.6	0.3	35	26.9		8.0	8.0	19.3	19.2	87.6	87.8	6.2		8.0	6				
					Bottom	6.2	0.2	37	26.4	26.4	8.0	8.0	27.0	27.0	74.9	75.2	5.1	5.2	15.3	6				
						6.2	0.2	42	26.4		8.0	8.0	27.0	27.0	75.4	75.2	5.2		16.0	6				
IM2	Fine	Moderate	06:53	7.7	Surface	1.0	0.3	5	27.4	27.4	8.1	8.1	19.2	19.0	95.5	95.6	6.8	6.3	9.0	10.8	3	3	819191	806236
						1.0	0.3	10	27.4		8.1	8.1	18.8	19.0	95.6	95.6	6.8		8.2					
					Middle	3.9	0.4	0	27.0	27.0	8.0	8.0	21.3	21.3	82.7	82.6	5.8	5.1	10.2	3				
						3.9	0.3	358	27.0		8.0	8.0	21.3	21.3	82.4	82.6	5.8		10.3	3				
					Bottom	6.7	0.4	14	26.6	26.6	8.0	8.0	25.6	25.6	74.2	74.3	5.1	5.1	13.5	3				
						6.7	0.4	20	26.6		8.0	8.0	25.6	25.6	74.3	74.3	5.1		13.4	2				
IM7	Fine	Moderate	07:21	8.1	Surface	1.0	0.2	7	27.5	27.5	8.0	8.0	15.6	15.7	95.1	94.8	6.8	6.4	11.6	13.7	7	8	821362	806857
						1.0	0.2	1	27.4		8.0	8.0	15.7	15.7	94.5	94.8	6.8		11.2					
					Middle	4.1	0.3	345	27.2	27.2	8.0	8.0	19.4	19.3	84.5	84.6	6.0	5.8	14.0	8				
						4.1	0.3	341	27.2		8.0	8.0	19.3	19.3	84.6	84.6	6.0		14.0	8				
					Bottom	7.1	0.2	16	27.1	27.1	8.0	8.0	21.7	21.7	81.9	82.0	5.7	5.8	15.5	7				
						7.1	0.2	20	27.1		8.0	8.0	21.8	21.7	82.1	82.0	5.8		15.8	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 14 July 22 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	07:55	7.8	Surface	1.0	0.4	288	28.4	28.4	7.5	7.5	15.2	15.2	83.0	82.9	5.9	5.9	6.1	7.3	4	5	822217	809836
						1.0	0.3	292	28.4		7.5		15.2		82.8		5.9		6.2		3			
					Middle	3.9	0.3	279	28.4	28.4	7.5	7.5	18.0	18.0	82.2	82.2	5.8	5.8	7.0	7.0	5			
						3.9	0.3	284	28.4		7.5		18.1		82.1		5.8		7.0		5			
					Bottom	6.8	0.4	302	28.5	28.5	7.5	7.7	18.0	18.0	82.5	82.8	5.8	5.8	8.8	8.7	5			
						6.8	0.4	294	28.5		7.8		17.9		83.1		5.8		8.7		7			
IM11	Sunny	Moderate	07:45	9.0	Surface	1.0	0.4	281	28.4	28.4	7.8	7.8	17.4	17.4	85.4	85.4	6.0	6.0	4.6	5.3	5	5	821496	810550
						1.0	0.5	288	28.4		7.8		17.4		85.3		6.0		4.6		4			
					Middle	4.5	0.4	272	28.5	28.5	7.8	7.7	20.2	20.2	85.3	85.4	5.9	5.9	5.1	5.1	5			
						4.5	0.4	277	28.5		7.7		20.3		85.4		5.9		5.1		6			
					Bottom	8.0	0.4	263	28.7	28.8	7.7	7.6	20.6	20.6	85.9	86.0	5.9	5.9	6.1	6.2	5			
						8.0	0.4	261	28.8		7.5		20.5		86.1		5.9		6.2		5			
IM12	Sunny	Moderate	07:37	9.4	Surface	1.0	0.5	290	28.2	28.2	7.5	7.5	19.2	19.2	88.7	88.3	6.2	6.0	7.7	8.3	7	9	821183	811519
						1.0	0.5	283	28.1		7.5		19.3		87.8		6.2		7.8		9			
					Middle	4.7	0.4	283	28.3	28.4	7.5	7.5	21.9	21.9	82.6	82.7	5.7	5.7	8.0	8.0	8			
						4.7	0.4	280	28.4		7.5		22.0		82.7		5.7		8.0		9			
					Bottom	8.4	0.5	299	28.7	28.8	7.5	7.7	23.1	23.0	85.0	85.7	5.8	5.9	9.2	9.1	10			
						8.4	0.5	296	28.8		7.8		22.9		86.3		5.9		9.1		11			
SR1A	Sunny	Moderate	07:12	5.2	Surface	1.0	0.0	201	28.6	28.6	7.7	7.6	16.6	16.7	94.2	93.8	6.7	6.7	5.9	6.2	4	4	819982	812663
						1.0	0.0	200	28.6		7.5		16.7		93.3		6.6		5.9		4			
					Middle	2.6	-	198	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.6	0.0	190	-		-		-		-		-		-		-			
					Bottom	4.2	-	181	28.6	28.6	7.5	7.5	21.9	21.7	88.2	89.6	6.1	6.2	6.6	6.5	4			
						4.2	0.0	186	28.6		7.5		21.5		90.9		6.3		6.5		4			
SR2	Sunny	Moderate	06:58	5.0	Surface	1.0	0.1	235	28.5	28.5	7.5	7.5	19.0	19.1	91.8	91.8	6.4	6.4	2.5	2.8	4	5	821486	814166
						1.0	0.1	235	28.5		7.5		19.1		91.7		6.4		2.5		5			
					Middle	-	0.1	254	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.1	250	-		-		-		-		-		-		-			
					Bottom	4.0	0.1	243	28.6	28.6	7.5	7.5	19.2	19.2	92.1	92.2	6.4	6.4	3.1	3.2	4			
						4.0	0.2	242	28.6		7.5		19.2		92.3		6.4		3.2		5			
SR3	Fine	Moderate	07:29	8.8	Surface	1.0	0.5	345	27.7	27.7	8.0	8.0	15.6	15.6	98.2	98.0	7.0	6.6	8.3	10.3	4	4	822123	807585
						1.0	0.5	344	27.6		8.0		15.6		97.7		7.0		8.3		3			
					Middle	4.4	0.4	337	27.4	27.4	8.0	8.0	19.3	19.3	88.2	88.3	6.2	6.2	10.9	10.9	4			
						4.4	0.4	344	27.4		8.0		19.3		88.3		6.2		10.9		4			
					Bottom	7.8	0.4	337	27.3	27.3	8.1	8.1	19.5	19.5	90.6	92.5	6.4	6.6	11.7	11.6	4			
						7.8	0.4	342	27.3		8.1		19.5		94.3		6.7		11.6		4			
SR4A	Fine	Moderate	06:11	9.3	Surface	1.0	0.0	216	27.4	27.4	8.0	8.0	16.0	16.0	90.4	90.4	6.5	6.4	9.3	10.4	7	7	817212	807824
						1.0	0.1	217	27.4		8.0		15.9		90.3		6.5		9.3		6			
					Middle	4.7	-	196	27.4	27.4	8.0	8.0	18.2	18.1	87.5	87.5	6.2	6.2	10.7	10.6	6			
						4.7	0.0	198	27.4		8.0		18.1		87.5		6.2		10.6		6			
					Bottom	8.3	0.0	215	27.3	27.3	7.9	7.9	19.3	19.3	84.2	84.2	6.0	6.0	11.2	11.6	7			
						8.3	0.0	215	27.3		7.9		19.3		84.2		6.0		11.6		7			
SR8	Sunny	Moderate	07:31	5.0	Surface	1.0	-	-	28.8	28.8	7.8	7.8	19.4	19.4	84.8	84.6	5.9	5.9	8.4	8.8	5	6	820390	811631
						1.0	-	-	28.8		7.8		19.5		84.4		5.9		8.5		6			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.0	-	-	29.0	29.0	7.8	7.7	21.9	21.8	84.8	85.3	5.8	5.9	9.1	9.1	6			
						4.0	-	-	29.0		7.7		21.7		85.8		5.9		9.1		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 16 July 22 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	14:35	8.8	Surface	1.0	0.7	204	28.1	28.2	8.0	8.0	18.8	18.8	81.0	81.0	5.7	4.9	9.8	12.0	6	7	815635	804236
						1.0	0.7	209	28.2		8.0		18.8		80.9		5.7		9.7		5			
					Middle	4.4	0.6	197	26.4	7.9	7.9	28.4	28.5	59.1	59.1	4.1	4.1	12.9	6					
						4.4	0.6	201	26.3	7.9	7.9	28.5	28.5	59.0	59.0	4.1	4.1	12.3	7					
					Bottom	7.8	0.7	228	26.0	7.9	7.9	31.3	31.2	53.8	54.0	3.7	3.7	14.0	8					
						7.8	0.6	225	26.0	7.9	7.9	31.2	31.2	54.2	54.0	3.7	3.7	13.3	8					
C2	Sunny	Moderate	13:25	11.4	Surface	1.0	0.4	155	28.2	28.2	7.9	7.9	12.5	12.5	90.8	90.8	6.6	6.0	7.9	11.9	4	5	825684	806952
						1.0	0.4	158	28.2		7.9		12.5		90.7		6.6		8.0		5			
					Middle	5.7	0.4	167	27.9	7.9	7.9	18.7	18.7	76.1	76.1	5.4	5.4	13.2	5					
						5.7	0.5	168	27.9	7.9	7.9	18.7	18.7	76.1	76.1	5.4	5.4	13.4	6					
					Bottom	10.4	0.4	164	27.8	7.9	7.9	19.1	19.1	76.0	76.1	5.4	5.4	14.1	6					
						10.4	0.4	164	27.8	7.9	7.9	19.1	19.1	76.2	76.1	5.4	5.4	14.5	6					
C3	Sunny	Moderate	15:33	9.6	Surface	1.0	0.5	62	27.2	27.2	8.0	8.0	18.2	18.1	73.9	73.7	5.3	5.1	1.7	2.7	5	5	822131	817813
						1.0	0.5	62	27.1		8.0		18.0		73.5		5.3		1.7		5			
					Middle	4.8	0.5	64	27.1	8.0	8.0	21.8	21.9	69.0	68.9	4.9	4.9	2.8	4					
						4.8	0.4	67	27.1	8.0	8.0	22.0	21.9	68.8	68.9	4.8	4.8	2.8	5					
					Bottom	8.6	0.5	57	27.2	8.0	8.0	22.5	22.6	69.2	69.8	4.9	4.9	3.4	4					
						8.6	0.5	52	27.2	8.0	8.0	22.6	22.6	70.3	69.8	4.9	4.9	3.5	5					
IM1	Sunny	Moderate	14:19	7.6	Surface	1.0	0.4	195	28.2	28.2	8.0	7.9	16.2	16.2	88.3	88.3	6.3	6.1	7.7	8.6	4	5	818328	806464
						1.0	0.3	195	28.2		7.9		16.2		88.2		6.3		7.7		4			
					Middle	3.8	0.3	180	27.8	7.9	7.9	17.5	17.5	83.1	83.1	5.9	5.9	7.8	5					
						3.8	0.3	177	27.8	7.9	7.9	17.5	17.5	83.0	83.1	5.9	5.9	7.8	6					
					Bottom	6.6	0.3	169	27.2	7.9	7.9	23.2	23.2	67.9	67.9	4.7	4.7	10.2	6					
						6.6	0.4	176	27.1	7.9	7.9	23.3	23.2	67.8	67.9	4.7	4.7	10.3	5					
IM2	Sunny	Moderate	14:13	7.4	Surface	1.0	0.4	200	28.2	28.2	7.9	7.9	16.5	16.5	87.6	87.6	6.2	6.1	8.2	10.4	4	5	819187	806215
						1.0	0.4	199	28.2		7.9		16.5		87.6		6.2		8.1		5			
					Middle	3.7	0.4	179	27.9	7.9	7.9	17.2	17.2	84.0	83.9	6.0	6.0	7.8	5					
						3.7	0.4	176	27.9	7.9	7.9	17.2	17.2	83.8	83.9	6.0	6.0	7.8	6					
					Bottom	6.4	0.4	201	27.4	7.9	7.9	23.2	23.2	67.7	67.8	4.7	4.7	15.3	5					
						6.4	0.4	195	27.4	7.9	7.9	23.2	23.2	67.9	67.8	4.7	4.7	15.3	6					
IM7	Sunny	Moderate	13:50	8.4	Surface	1.0	0.3	140	28.5	28.5	7.9	7.9	17.2	17.2	91.8	91.9	6.4	6.1	9.0	11.7	5	6	821364	806854
						1.0	0.3	136	28.5		7.9		17.1		91.9		6.4		9.1		6			
					Middle	4.2	0.3	132	28.2	7.9	7.9	18.7	18.6	81.7	81.7	5.8	5.8	11.3	6					
						4.2	0.3	126	28.2	7.9	7.9	18.6	18.6	81.6	81.7	5.7	5.7	11.6	6					
					Bottom	7.4	0.3	153	27.4	8.0	8.0	21.4	21.3	82.3	82.5	5.7	5.8	14.7	7					
						7.4	0.3	153	27.4	8.0	8.0	21.1	21.3	82.6	82.5	5.8	5.8	14.5	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 16 July 22 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	Sunny	Moderate	13:22	8.2	Surface	1.0	0.6	97	27.6	27.6	7.9	7.9	16.3	16.3	71.2	71.1	5.1	5.1	6.4	8.1	5	5	822243	809818			
						1.0	0.6	96	27.6		7.9	7.9	16.3	16.3	71.0	71.0	5.1		6.5								
					Middle	4.1	0.6	109	27.5	27.5	7.9	7.9	18.9	19.0	70.8	71.0	5.0	5.0	8.7	5.0	4						
						4.1	0.6	110	27.5		7.9	7.9	19.0	19.0	71.1	71.0	5.1		8.8								
					Bottom	7.2	0.6	107	27.6	27.6	7.9	7.9	19.4	19.4	73.8	74.6	5.2	5.3	9.0	5.3	5						
						7.2	0.6	111	27.6		7.9	7.9	19.4	19.4	75.3	74.6	5.3		9.0		6						
IM11	Sunny	Moderate	14:32	7.0	Surface	1.0	0.7	87	27.9	27.9	7.9	7.9	13.7	13.7	76.0	75.9	5.5	5.5	6.4	7.6	6	5	821486	810566			
						1.0	0.7	84	27.9		7.9	7.9	13.7	13.7	75.7	75.9	5.5		6.4								
					Middle	3.5	0.7	103	27.9	27.9	7.9	7.9	16.1	16.1	76.0	76.3	5.5	5.5	7.6	5.5	5						
						3.5	0.7	100	27.9		7.9	7.9	16.2	16.1	76.5	76.3	5.5		7.6								
					Bottom	6.0	0.7	89	27.9	27.9	7.9	7.9	16.9	16.9	78.2	78.9	5.6	5.7	9.0	5.7	4						
						6.0	0.7	95	27.9		7.9	7.9	16.8	16.9	79.5	78.9	5.7		8.9		5						
IM12	Sunny	Moderate	14:41	7.2	Surface	1.0	0.8	90	27.4	27.4	7.9	7.9	18.2	18.2	69.3	69.3	5.0	5.0	6.4	7.3	5	5	821179	811531			
						1.0	0.9	87	27.4		7.9	7.9	18.2	18.2	69.2	69.3	5.0		6.5								
					Middle	3.6	0.8	98	27.4	27.4	7.9	7.9	19.7	19.7	68.7	68.7	4.9	4.9	7.0	4.9	5						
						3.6	0.8	101	27.4		7.9	7.9	19.8	19.7	68.7	68.7	4.9		7.0								
					Bottom	6.2	0.9	110	27.3	27.3	7.9	7.9	20.0	19.9	69.8	70.5	4.9	5.0	8.5	5.0	6						
						6.2	0.9	113	27.3		7.9	7.9	19.9	19.9	71.2	70.5	5.0		8.6		5						
SR1A	Sunny	Moderate	14:56	4.2	Surface	1.0	-	57	28.1	28.1	7.9	7.9	15.6	15.6	73.3	73.2	5.3	5.3	7.1	8.2	5	5	819973	812655			
						1.0	0.0	50	28.0		7.9	7.9	15.6	15.6	73.1	73.2	5.3		7.8								
					Middle	2.1	0.0	63	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.1	0.0	63	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.2	0.1	65	26.8	26.9	7.9	7.8	22.3	22.2	75.3	76.1	5.3	5.3	8.9	5.3	5						
						3.2	-	70	26.9		7.8	7.8	22.0	22.2	76.8	76.1	5.3		8.9		5						
SR2	Sunny	Moderate	15:16	5.2	Surface	1.0	0.8	32	27.8	27.8	7.9	7.9	17.8	17.8	74.5	74.3	5.3	5.3	5.1	6.0	4	5	821485	814182			
						1.0	0.8	25	27.8		7.9	7.9	17.9	17.8	74.1	74.3	5.3		5.0								
					Middle	-	0.8	45	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	0.8	37	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.2	0.8	40	27.0	27.1	7.9	7.9	21.5	21.6	76.6	77.7	5.4	5.5	7.0	5.5	6						
						4.2	0.7	36	27.1		7.9	7.9	21.6	21.6	78.7	77.7	5.5		6.9		5						
SR3	Sunny	Moderate	13:43	8.4	Surface	1.0	0.5	147	28.3	28.3	7.9	7.9	15.6	15.7	83.4	83.4	6.0	5.8	9.2	12.0	4	5	822155	807581			
						1.0	0.4	150	28.3		7.9	7.9	15.7	15.7	83.4	83.4	6.0		9.3								
					Middle	4.2	0.5	163	28.2	28.2	7.9	7.9	16.7	16.7	76.7	76.7	5.5	5.5	12.0	5.5	6						
						4.2	0.5	166	28.2		7.9	7.9	16.7	16.7	76.6	76.7	5.5		11.3								
					Bottom	7.4	0.5	139	28.2	28.2	7.9	7.9	18.3	18.3	77.1	77.2	5.4	5.5	15.0	5.5	5						
						7.4	0.5	136	28.2		7.9	7.9	18.3	18.3	77.2	77.2	5.5		15.2		5						
SR4A	Sunny	Moderate	14:56	8.5	Surface	1.0	0.1	71	28.2	28.2	7.9	7.9	17.3	17.3	85.2	85.1	6.0	5.6	10.2	8.9	6	5	817194	807786			
						1.0	0.0	77	28.1		7.9	7.9	17.3	17.3	85.0	85.1	6.0		10.5								
					Middle	4.3	0.0	49	27.6	27.6	7.9	7.9	20.4	20.4	74.4	74.4	5.2	5.2	7.7	5.2	5						
						4.3	0.0	41	27.6		7.9	7.9	20.4	20.4	74.4	74.4	5.2		7.4								
					Bottom	7.5	0.1	61	27.3	27.3	7.9	7.9	24.0	24.0	66.8	66.9	4.6	4.6	9.1	4.6	4						
						7.5	0.1	57	27.3		7.9	7.9	24.0	24.0	66.9	66.9	4.6		8.3		4						
SR8	Sunny	Moderate	14:45	5.0	Surface	1.0	-	-	27.8	27.8	7.9	7.9	18.6	18.6	74.6	74.7	5.3	5.3	6.9	7.1	3	3	820396	811608			
						1.0	-	-	27.8		7.9	7.9	18.6	18.6	74.7	74.7	5.3		6.8								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.0	-	-	27.3	27.3	7.9	7.9	20.2	20.2	79.9	81.2	5.7	5.8	7.4	5.8	4						
						4.0	-	-	27.3		7.9	7.9	20.1	20.2	82.5	81.2	5.8		7.4		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 16 July 22 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	08:27	8.0	Surface	1.0	0.5	26	27.9	27.9	7.9	7.9	16.1	16.1	83.1	83.1	6.0	4.9	8.1	11.8	7	7	815636	804234
						1.0	0.5	24	27.9		7.9	7.9	16.1	16.1	83.0	83.1	5.9		8.2					
					Middle	4.0	0.5	18	26.6	26.7	7.9	7.9	27.2	27.2	54.9	54.9	3.8	3.2	12.8	6				
						4.0	0.5	15	26.7		7.9	7.9	27.2	27.2	54.8	54.9	3.8		12.8	7				
					Bottom	7.0	0.5	19	26.2	26.2	7.9	7.9	30.9	30.8	47.4	47.6	3.2	3.2	14.8	6				
						7.0	0.4	26	26.2		7.9	7.9	30.8	30.8	47.7	47.6	3.2		14.3	7				
C2	Fine	Moderate	09:36	11.4	Surface	1.0	0.6	5	28.1	28.1	7.9	7.9	12.6	12.6	89.9	89.7	6.6	6.1	8.5	10.3	8	11	825700	806922
						1.0	0.6	12	28.1		7.9	7.9	12.6	12.6	89.4	89.7	6.5		8.7					
					Middle	5.7	0.6	1	27.9	27.9	7.9	7.9	18.0	18.0	78.5	78.5	5.6	5.6	10.1		9			
						5.7	0.6	358	27.9		7.9	7.9	18.0	18.0	78.4	78.5	5.6		10.1		11			
					Bottom	10.4	0.6	354	27.9	28.0	7.9	7.9	19.4	19.4	79.4	79.6	5.6	5.6	12.3		14			
						10.4	0.6	358	28.0		7.9	7.9	19.4	19.4	79.7	79.6	5.6		12.4		13			
C3	Sunny	Moderate	08:30	8.0	Surface	1.0	0.6	261	27.7	27.7	7.7	7.7	17.3	17.4	70.3	70.2	5.0	5.0	7.1	8.1	4	4	822117	817821
						1.0	0.6	262	27.7		7.7	7.7	17.4	17.4	70.1	70.2	5.0		7.1					
					Middle	4.0	0.6	257	27.6	27.6	7.7	7.7	17.6	17.7	69.9	69.9	5.0	5.0	8.1		4			
						4.0	0.6	249	27.6		7.7	7.7	17.7	17.7	69.8	69.9	5.0		8.0		4			
					Bottom	7.0	0.6	264	27.6	27.6	7.7	7.7	17.9	17.9	70.5	70.6	5.0	5.0	9.3		4			
						7.0	0.6	265	27.6		7.7	7.7	17.9	17.9	70.7	70.6	5.0		9.2		4			
IM1	Fine	Moderate	08:44	6.8	Surface	1.0	0.4	21	27.7	27.7	7.9	7.9	19.6	19.5	75.8	75.9	5.4	5.2	15.7	14.6	6	6	818330	806447
						1.0	0.3	17	27.7		7.9	7.9	19.5	19.5	76.0	75.9	5.4		15.2					
					Middle	3.4	0.4	22	27.6	27.6	7.9	7.9	22.0	22.0	69.7	69.7	4.9	4.9	12.6		6			
						3.4	0.4	29	27.6		7.9	7.9	22.0	22.0	69.7	69.7	4.9		12.6		6			
					Bottom	5.8	0.4	16	27.5	27.5	7.9	7.9	22.3	22.3	70.8	70.9	4.9	4.9	15.9		7			
						5.8	0.4	17	27.5		7.9	7.9	22.3	22.3	71.0	70.9	4.9		15.8		7			
IM2	Fine	Moderate	08:53	6.7	Surface	1.0	0.5	8	27.8	27.8	7.9	7.9	18.8	18.7	79.1	79.2	5.6	5.2	11.7	10.6	4	8	819198	806254
						1.0	0.5	2	27.8		7.9	7.9	18.7	18.7	79.3	79.2	5.6		11.5					
					Middle	3.4	0.4	15	27.6	27.6	7.9	7.9	21.9	21.9	69.2	69.1	4.8	4.8	7.6		7			
						3.4	0.4	12	27.6		7.9	7.9	21.9	21.9	69.0	69.1	4.8		8.1		8			
					Bottom	5.7	0.4	6	27.6	27.6	7.9	7.9	22.3	22.3	68.7	68.7	4.8	4.8	12.9		10			
						5.7	0.3	9	27.6		7.9	7.9	22.3	22.3	68.7	68.7	4.8		12.1		11			
IM7	Fine	Moderate	09:11	8.6	Surface	1.0	0.3	6	28.3	28.3	7.9	7.9	15.2	15.2	83.3	83.3	6.0	5.7	7.0	11.3	9	10	821338	806852
						1.0	0.3	2	28.3		7.9	7.9	15.2	15.2	83.2	83.3	6.0		7.0					
					Middle	4.3	0.3	18	27.8	27.8	7.9	7.9	19.2	19.2	75.3	75.3	5.3	5.3	11.0		10			
						4.3	0.3	22	27.8		7.9	7.9	19.2	19.2	75.3	75.3	5.3		11.4		8			
					Bottom	7.6	0.3	7	27.8	27.8	7.9	7.9	19.6	19.6	75.3	76.8	5.3	5.4	15.8		11			
						7.6	0.3	10	27.8		7.9	7.9	19.6	19.6	78.2	76.8	5.5		15.8		12			

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

Water Quality Monitoring Results on 16 July 22 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	Sunny	Moderate	09:31	8.0	Surface	1.0	0.4	292	27.7	27.7	7.9	7.9	16.3	16.3	73.6	73.5	5.3	5.3	5.2	6.3	4	5	822259	809838
						1.0	0.5	292	27.7		7.9	7.9	16.3	16.3	73.4	73.5	5.3		5.1					
					Middle	4.0	0.5	275	27.6	27.6	7.9	7.9	17.3	17.3	72.1	72.0	5.2	5.3	6.8	5				
						4.0	0.6	273	27.6		7.9	7.9	17.3	17.3	71.9	72.0	5.2		6.7					
					Bottom	7.0	0.5	270	27.4	27.4	7.9	7.9	19.4	19.4	73.5	74.5	5.2	5.3	7.0	5				
						7.0	0.5	277	27.4		7.9	7.9	19.4	19.4	75.4	75.4	5.4		7.1	4				
IM11	Sunny	Moderate	09:25	8.4	Surface	1.0	0.5	294	27.7	27.7	7.9	7.9	16.4	16.4	75.6	75.5	5.4	5.4	5.1	6.2	4	4	821518	810559
						1.0	0.4	298	27.6		7.9	7.9	16.4	16.4	75.3	75.5	5.4		5.1					
					Middle	4.2	0.4	263	27.5	27.5	7.9	7.9	16.7	16.9	73.9	73.8	5.3	5.4	6.0	4				
						4.2	0.4	268	27.4		7.9	7.9	17.0	17.0	73.7	73.8	5.3		6.1					
					Bottom	7.4	0.4	263	27.2	27.2	7.9	7.9	19.5	19.5	78.8	79.8	5.6	5.7	7.4	3				
						7.4	0.4	259	27.2		7.9	7.9	19.5	19.5	80.8	80.8	5.8		7.5	4				
IM12	Sunny	Moderate	09:20	9.2	Surface	1.0	0.5	280	27.5	27.5	7.9	7.9	16.5	16.5	71.7	71.3	5.2	5.0	4.4	5.6	4	4	821145	811499
						1.0	0.5	282	27.5		7.9	7.9	16.5	16.5	70.9	71.3	5.1		4.5					
					Middle	4.6	0.5	272	27.4	27.4	7.9	7.9	19.7	19.8	69.4	69.5	4.9	5.0	5.9	3				
						4.6	0.5	277	27.4		7.9	7.9	19.9	19.9	69.6	69.5	4.9		5.8					
					Bottom	8.2	0.5	276	27.5	27.6	7.9	7.9	20.1	20.1	75.0	76.2	5.3	5.4	6.4	3				
						8.2	0.5	270	27.6		7.9	7.9	20.1	20.1	77.3	76.2	5.5		6.5	3				
SR1A	Sunny	Moderate	08:58	5.0	Surface	1.0	0.0	197	27.9	27.9	7.8	7.8	14.5	14.5	76.0	75.8	5.5	5.5	6.2	6.9	4	4	819982	812661
						1.0	0.1	194	27.9		7.8	7.8	14.5	14.5	75.5	75.8	5.5		6.1					
					Middle	2.5	0.0	200	-	-	-	-	-	-	-	-	-	5.5	-	3				
						2.5	-	202	-		-	-	-	-	-	-	-		-					
					Bottom	4.0	0.0	172	27.8	27.8	7.8	7.8	17.8	17.7	76.3	79.0	5.4	5.6	7.6	4				
						4.0	0.1	172	27.8		7.8	7.8	17.7	17.7	81.7	79.0	5.8		7.7	4				
SR2	Sunny	Moderate	08:45	4.8	Surface	1.0	0.1	247	27.7	27.7	7.7	7.7	17.1	17.1	71.2	71.2	5.1	5.1	7.1	7.6	3	4	821472	814170
						1.0	0.2	246	27.7		7.7	7.7	17.1	17.1	71.2	71.2	5.1		7.1					
					Middle	-	0.1	249	-	-	-	-	-	-	-	-	-	5.1	-	4				
						-	0.1	251	-		-	-	-	-	-	-	-		-					
					Bottom	3.8	0.2	227	27.7	27.7	7.7	7.7	17.1	17.1	71.2	71.2	5.1	5.1	8.0	4				
						3.8	0.2	224	27.7		7.7	7.7	17.0	17.1	71.1	71.2	5.1		8.0	4				
SR3	Fine	Moderate	09:17	8.8	Surface	1.0	0.4	329	28.4	28.4	7.9	7.9	13.5	13.5	88.8	88.8	6.4	6.1	7.5	8.8	7	7	822152	807586
						1.0	0.4	322	28.4		7.9	7.9	13.5	13.5	88.8	88.8	6.4		8.0					
					Middle	4.4	0.5	355	28.1	28.1	7.9	7.9	16.5	16.5	81.7	81.7	5.8	6.1	8.5	6				
						4.4	0.5	358	28.1		7.9	7.9	16.5	16.5	81.7	81.7	5.8		8.8					
					Bottom	7.8	0.4	343	28.2	28.2	7.9	7.9	16.9	16.9	81.7	81.8	5.8	5.8	9.9	7				
						7.8	0.4	344	28.2		7.9	7.9	16.9	16.9	81.9	81.8	5.8		9.8	8				
SR4A	Fine	Moderate	08:02	9.3	Surface	1.0	0.0	238	28.1	28.1	7.9	7.9	18.9	18.9	82.3	82.3	5.8	5.7	13.0	13.3	5	5	817177	807824
						1.0	0.1	238	28.1		7.9	7.9	18.9	18.9	82.2	82.3	5.8		13.1					
					Middle	4.7	0.0	247	28.0	28.0	7.9	7.9	19.1	19.1	80.1	80.1	5.6	5.7	13.6	4				
						4.7	0.1	246	28.0		7.9	7.9	19.1	19.1	80.0	80.1	5.6		13.6					
					Bottom	8.3	0.0	239	27.6	27.6	7.8	7.8	22.6	22.6	68.1	68.2	4.7	4.7	13.4	4				
						8.3	0.0	235	27.6		7.8	7.8	22.6	22.6	68.2	68.2	4.7		13.4	5				
SR8	Sunny	Moderate	09:15	5.2	Surface	1.0	-	-	27.8	27.8	7.9	7.9	16.3	16.3	74.1	74.2	5.3	5.3	8.1	8.6	4	4	820381	811630
						1.0	-	-	27.8		7.9	7.9	16.3	16.3	74.2	74.2	5.3		8.0					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	5.3	-	4				
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	4.2	-	-	27.7	27.7	7.9	7.9	17.9	17.9	76.9	77.7	5.5	5.6	9.3	4				
						4.2	-	-	27.7		7.9	7.9	17.9	17.9	78.4	78.4	5.6		9.2	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 19 July 22 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	16:43	8.5	Surface	1.0	0.4	206	<u>28.8</u>	28.8	8.1	8.1	15.3	15.3	99.2	98.5	7.0	5.7	3.5	6.3	3	3	815599	804238
						1.0	0.4	210	28.8		8.1	8.1	15.3	15.3	97.8	6.9	3.6		4					
					Middle	4.3	0.5	218	<u>25.6</u>	7.8	7.8	28.0	28.0	64.7	64.4	4.4	5.0	4						
						4.3	0.5	210	25.6	7.8	7.8	28.0	28.0	64.0	4.4	5.3	3							
					Bottom	7.5	0.4	221	<u>25.5</u>	7.8	7.8	28.8	28.8	51.6	51.6	3.6	10.1	3						
						7.5	0.4	220	25.5	7.8	7.8	28.8	28.8	51.6	3.6	10.1	3							
C2	Sunny	Moderate	15:40	12.1	Surface	1.0	0.4	180	<u>28.5</u>	28.5	8.0	8.0	14.8	14.8	85.5	85.5	6.1	5.3	3.8	6.7	4	5	825684	806964
						1.0	0.4	177	28.4		8.0	8.0	14.8	14.8	85.5	6.1	3.9		4					
					Middle	6.1	0.3	162	<u>27.5</u>	8.0	8.0	18.9	18.9	62.8	62.7	4.5	5.6	4						
						6.1	0.3	156	27.5	8.0	8.0	18.9	18.9	62.5	4.4	6.0	5							
					Bottom	11.1	0.4	178	<u>25.9</u>	8.0	8.0	26.4	26.4	51.5	51.7	3.6	10.6	5						
						11.1	0.4	176	26.0	8.0	8.0	26.4	26.4	51.8	3.6	10.0	5							
C3	Sunny	Moderate	16:38	9.6	Surface	1.0	0.4	60	<u>28.2</u>	28.2	8.0	7.9	20.0	20.0	93.3	92.9	6.5	6.2	2.1	3.3	4	3	822088	817785
						1.0	0.4	65	28.2		7.9	7.9	20.1	20.0	92.5	6.5	2.1		3					
					Middle	4.8	0.4	63	<u>27.9</u>	7.9	7.9	20.5	20.5	84.5	84.3	5.9	3.4	3						
						4.8	0.4	58	27.8	7.9	7.9	20.6	20.5	84.0	5.9	3.4	3							
					Bottom	8.6	0.4	91	<u>27.5</u>	7.9	7.9	20.4	20.4	88.7	90.7	6.1	4.2	3						
						8.6	0.5	94	28.1	7.9	7.9	20.4	20.4	92.6	6.5	4.3	3							
IM1	Sunny	Moderate	16:30	6.8	Surface	1.0	0.3	199	<u>28.8</u>	28.8	8.1	8.1	15.6	15.6	104.1	103.9	7.4	6.1	2.1	6.9	3	3	818368	806465
						1.0	0.3	203	28.8		8.1	8.1	15.6	15.6	103.6	7.3	2.2		3					
					Middle	3.4	0.2	189	<u>27.1</u>	7.8	7.8	21.0	21.0	70.2	70.2	4.9	8.0	4						
						3.4	0.2	187	27.1	7.8	7.8	21.1	21.0	70.2	4.9	8.1	3							
					Bottom	5.8	0.2	162	<u>25.9</u>	7.8	7.8	26.8	26.8	52.1	52.1	3.6	10.8	4						
						5.8	0.2	157	25.9	7.8	7.8	26.8	26.8	52.1	3.6	10.3	3							
IM2	Sunny	Moderate	16:24	6.8	Surface	1.0	0.3	205	<u>28.8</u>	28.8	8.1	8.1	14.9	14.9	100.3	100.6	7.1	6.1	2.8	6.2	4	4	819179	806250
						1.0	0.2	201	28.8		8.1	8.1	14.9	14.9	100.8	7.1	3.0		3					
					Middle	3.4	0.2	198	<u>27.3</u>	7.8	7.8	18.7	18.8	72.1	72.1	5.2	4.2	4						
						3.4	0.2	200	27.1	7.8	7.8	18.9	18.8	72.1	5.1	4.4	4							
					Bottom	5.8	0.2	173	<u>26.4</u>	7.8	7.8	25.3	25.4	51.2	51.2	3.5	11.5	4						
						5.8	0.2	170	26.4	7.8	7.8	25.4	25.4	51.2	3.5	11.6	4							
IM7	Sunny	Moderate	16:05	8.5	Surface	1.0	0.2	165	<u>28.4</u>	28.4	7.9	7.9	15.1	15.1	83.2	83.2	6.0	5.5	2.9	5.3	5	4	821343	806850
						1.0	0.2	159	28.3		7.9	7.9	15.1	15.1	83.1	6.0	3.0		4					
					Middle	4.3	0.2	133	<u>27.8</u>	7.8	7.8	16.9	16.9	68.5	68.2	4.9	5.1	4						
						4.3	0.2	140	27.7	7.8	7.8	16.9	16.9	67.9	4.9	5.6	3							
					Bottom	7.5	0.1	143	<u>27.4</u>	7.8	7.8	19.6	19.7	66.7	66.7	4.7	7.5	3						
						7.5	0.1	142	27.3	7.8	7.8	19.7	19.7	66.6	4.7	7.6	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 19 July 22 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	Sunny	Moderate	15:36	9.2	Surface	1.0	0.4	108	29.1	29.1	8.1	8.1	15.0	15.0	108.6	108.3	7.7	7.2	5.1	6.4	3	3	822225	809855
						1.0	0.4	111	29.0		8.1	8.1	15.1	15.0	108.0	108.3	7.7		5.1					
					Middle	4.6	0.4	90	28.5	28.5	8.0	8.0	15.4	15.4	96.8	95.0	6.9	6.6	6.2	3				
						4.6	0.5	93	28.5		8.0	8.0	15.4	15.4	93.2	95.0	6.6		6.2	3				
					Bottom	8.2	0.4	94	28.5	28.5	7.9	7.9	19.6	19.5	82.8	83.2	5.8	5.8	7.8	4				
						8.2	0.4	90	28.5		7.9	7.9	19.5	19.5	83.6	83.2	5.8		7.7	3				
IM11	Sunny	Moderate	15:41	7.0	Surface	1.0	0.5	88	28.4	28.4	8.0	8.0	16.0	16.0	90.7	89.3	6.5	6.0	7.1	8.2	3	3	821481	810560
						1.0	0.5	89	28.3		8.0	8.0	15.9	16.0	87.8	89.3	6.3		7.0					
					Middle	3.5	0.5	89	28.2	28.2	7.9	7.9	18.8	18.8	77.8	77.7	5.5	5.5	8.6	3				
						3.5	0.5	85	28.2		7.9	7.9	18.8	18.8	77.6	77.7	5.5		8.7	3				
					Bottom	6.0	0.5	94	28.1	28.1	7.9	7.9	19.5	19.5	77.3	79.1	5.4	5.6	9.0	4				
						6.0	0.5	95	28.1		7.9	7.9	19.6	19.5	80.8	79.1	5.7		9.1	3				
IM12	Sunny	Moderate	15:46	7.2	Surface	1.0	0.5	96	28.8	28.8	8.0	8.0	15.5	15.5	100.8	100.8	7.2	6.5	5.4	6.4	3	3	821163	811520
						1.0	0.6	101	28.8		8.0	8.0	15.5	15.5	100.8	100.8	7.2		5.4					
					Middle	3.6	0.6	86	28.3	28.3	7.9	7.9	17.5	17.5	81.1	80.9	5.7	5.7	6.2	3				
						3.6	0.6	89	28.2		7.9	7.9	17.5	17.5	80.7	80.9	5.7		6.1	3				
					Bottom	6.2	0.5	94	28.0	28.0	7.9	7.9	20.2	20.2	81.8	82.4	5.7	5.8	7.6	3				
						6.2	0.5	86	28.0		7.9	7.9	20.2	20.2	83.0	82.4	5.8		7.5	4				
SR1A	Sunny	Moderate	16:09	5.0	Surface	1.0	0.0	108	28.5	28.5	8.0	7.9	17.8	17.8	93.5	92.8	6.6	6.6	5.3	5.9	3	3	819975	812665
						1.0	0.0	109	28.4		7.9	7.9	17.8	17.8	92.1	92.8	6.5		5.4					
					Middle	2.5	-	99	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.5	0.0	101	-		-	-	-	-	-	-	-		-	-				
					Bottom	4.0	0.0	132	28.0	28.1	7.9	7.9	21.1	21.0	88.3	88.9	6.2	6.2	6.5	2				
						4.0	0.0	133	28.1		7.9	7.9	20.8	21.0	89.5	88.9	6.2		6.3	3				
SR2	Sunny	Moderate	16:20	5.2	Surface	1.0	0.5	59	28.9	28.9	8.0	8.0	17.2	17.2	102.0	101.9	7.2	7.2	3.6	3.7	3	3	821453	814168
						1.0	0.5	65	28.8		8.0	8.0	17.3	17.2	101.8	101.9	7.1		3.6					
					Middle	-	0.5	39	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.4	36	-		-	-	-	-	-	-	-		-					
					Bottom	4.2	0.6	54	28.4	28.4	7.9	7.9	19.6	19.4	95.7	97.4	6.7	6.8	3.9	3				
						4.2	0.5	53	28.4		8.0	7.9	19.3	19.4	99.0	97.4	6.9		3.9	3				
SR3	Sunny	Moderate	15:58	9.0	Surface	1.0	0.4	162	28.7	28.7	8.0	8.0	14.3	14.3	89.9	89.8	6.4	5.8	2.5	4.2	3	3	822158	807548
						1.0	0.5	157	28.7		8.0	8.0	14.3	14.3	89.7	89.8	6.4		2.5					
					Middle	4.5	0.4	141	27.8	27.8	7.8	7.8	16.6	16.6	71.2	71.0	5.1	5.1	4.3	3				
						4.5	0.4	146	27.7		7.8	7.8	16.6	16.6	70.7	71.0	5.1		4.5	3				
					Bottom	8.0	0.4	140	27.5	27.5	7.8	7.8	20.1	20.1	64.0	64.5	4.5	4.6	5.6	4				
						8.0	0.4	140	27.5		7.8	7.8	20.1	20.1	65.0	64.5	4.6		5.7	4				
SR4A	Sunny	Moderate	17:10	9.0	Surface	1.0	0.0	353	29.1	29.1	8.1	8.1	15.2	15.2	99.0	96.8	7.0	5.5	2.7	8.3	3	4	817168	807789
						1.0	0.0	348	29.1		8.1	8.1	15.3	15.2	94.5	96.8	6.7		2.8					
					Middle	4.5	-	333	26.4	26.4	7.8	7.8	24.3	24.4	60.9	61.0	4.2	4.2	8.5	4				
						4.5	0.0	328	26.4		7.8	7.8	24.5	24.4	61.0	61.0	4.2		8.4	4				
					Bottom	8.0	0.0	315	26.3	26.3	7.8	7.8	25.5	25.5	52.9	53.3	3.7	3.8	14.0	5				
						8.0	0.0	309	26.3		7.8	7.8	25.5	25.5	53.7	53.3	3.8		13.6	6				
SR8	Sunny	Moderate	15:50	5.0	Surface	1.0	-	-	29.0	29.1	8.0	8.0	17.8	17.8	96.1	96.1	6.7	6.7	4.9	5.0	3	4	820405	811627
						1.0	-	-	29.1		8.0	8.0	17.7	17.8	96.1	96.1	6.7		4.9					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-		-					
					Bottom	4.0	-	-	29.8	29.9	8.0	8.0	17.7	17.7	96.4	96.6	6.6	6.6	5.1	4				
						4.0	-	-	29.9		8.0	8.0	17.6	17.7	96.7	96.6	6.6		5.1	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 19 July 22 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	11:24	8.8	Surface	1.0	0.4	38	28.0	28.0	7.9	7.9	15.5	15.5	82.8	82.7	6.0	5.6	3.9	5.4	5	4	815625	804256			
						1.0	0.4	42	28.0	7.9	7.9	15.6	15.5	82.6	82.7	5.9	5.6	4.0	5.4	5							
					Middle	4.4	0.4	51	27.7	27.7	7.9	7.9	17.4	17.4	74.2	74.2	5.3	5.6	4.8	5.4	4				4	815625	804256
						4.4	0.4	47	27.7	27.7	7.9	7.9	17.4	17.4	74.1	74.2	5.3	5.6	4.8	5.4	4						
					Bottom	7.8	0.4	32	27.5	27.5	7.9	7.9	19.0	19.0	69.5	69.6	4.9	4.9	7.3	4.9	4				4	815625	804256
						7.8	0.4	32	27.5	27.5	7.9	7.9	19.0	19.0	69.6	69.6	4.9	4.9	7.6	4.9	4						
C2	Fine	Moderate	12:28	11.5	Surface	1.0	0.3	9	29.5	29.5	8.1	8.1	12.4	12.4	95.3	94.8	6.8	5.8	2.5	4.3	4	3	825666	806955			
						1.0	0.3	14	29.5	29.5	8.1	8.1	12.4	12.4	94.3	94.8	6.7	5.8	2.6	4.3	3						
					Middle	5.8	0.3	0	27.8	27.8	7.9	7.9	17.3	17.3	68.4	68.4	4.9	4.3	2.6	4.3	4				3	825666	806955
						5.8	0.3	355	27.8	27.8	7.9	7.9	17.3	17.3	68.3	68.4	4.9	4.3	2.6	4.3	3						
					Bottom	10.5	0.3	9	27.4	27.4	7.9	7.9	20.1	20.1	60.3	60.4	4.3	4.3	7.6	4.3	3				3	825666	806955
						10.5	0.4	1	27.4	27.4	7.9	7.9	20.2	20.1	60.5	60.4	4.3	4.3	7.7	4.3	2						
C3	Sunny	Moderate	10:25	8.0	Surface	1.0	0.5	255	28.1	28.1	7.9	7.8	17.5	17.4	85.1	85.1	6.0	5.7	1.0	2.6	3	3	822126	817791			
						1.0	0.5	249	28.1	28.1	7.8	7.8	17.3	17.4	85.0	85.1	6.0	5.7	1.1	2.6	4						
					Middle	4.0	0.5	273	27.8	27.8	7.8	7.8	19.8	19.8	76.6	76.6	5.4	5.4	3.0	5.4	3				3	822126	817791
						4.0	0.5	271	27.8	27.8	7.8	7.8	19.9	19.8	76.5	76.6	5.4	5.4	3.0	5.4	3						
					Bottom	7.0	0.5	272	27.9	27.9	7.8	7.8	21.9	21.8	76.8	77.0	5.3	5.4	3.8	5.4	2				3	822126	817791
						7.0	0.5	272	27.9	27.9	7.8	7.8	21.8	21.8	77.1	77.0	5.4	5.4	3.8	5.4	2						
IM1	Fine	Moderate	11:37	6.4	Surface	1.0	0.3	6	28.4	28.4	7.9	7.9	13.9	13.9	90.1	90.0	6.5	6.1	3.1	3.8	4	4	818332	806451			
						1.0	0.2	12	28.3	28.3	7.9	7.9	13.9	13.9	89.9	90.0	6.5	6.1	3.2	3.8	4						
					Middle	3.2	0.3	22	27.9	27.9	7.9	7.9	16.6	16.6	79.4	79.2	5.7	6.0	3.6	6.0	3				4	818332	806451
						3.2	0.2	18	27.9	27.9	7.9	7.9	16.6	16.6	79.0	79.2	5.7	6.0	3.6	6.0	4						
					Bottom	5.4	0.3	7	27.7	27.7	7.9	7.9	18.1	18.2	76.9	76.9	5.5	5.5	4.6	5.5	3				4	818332	806451
						5.4	0.3	1	27.6	27.7	7.9	7.9	18.2	18.2	76.8	76.9	5.5	5.5	4.8	5.5	3						
IM2	Fine	Moderate	11:43	7.1	Surface	1.0	0.3	357	28.3	28.3	7.9	7.9	14.2	14.2	88.8	88.6	6.4	6.0	3.1	4.8	3	4	819196	806238			
						1.0	0.3	355	28.3	28.3	7.9	7.9	14.2	14.2	88.3	88.6	6.4	6.0	3.2	4.8	3						
					Middle	3.6	0.3	23	27.7	27.7	7.9	7.9	17.1	17.2	79.1	78.9	5.7	6.0	4.5	6.0	4				4	819196	806238
						3.6	0.3	19	27.6	27.7	7.9	7.9	17.2	17.2	78.7	78.9	5.6	6.0	4.8	6.0	3						
					Bottom	6.1	0.3	349	27.0	27.0	7.9	7.9	19.2	19.2	64.6	64.8	4.6	4.6	6.6	4.6	4				4	819196	806238
						6.1	0.3	347	27.0	27.0	7.9	7.9	19.3	19.2	64.9	64.8	4.6	4.6	6.7	4.6	4						
IM7	Fine	Moderate	12:02	8.4	Surface	1.0	0.2	352	28.5	28.5	8.0	8.0	13.9	13.9	81.3	81.1	5.8	5.3	2.7	6.2	2	3	821350	806850			
						1.0	0.3	354	28.4	28.4	8.0	8.0	14.0	13.9	80.9	81.1	5.8	5.3	3.0	6.2	2						
					Middle	4.2	0.2	4	27.9	27.9	7.9	7.9	16.8	16.8	65.8	65.5	4.7	5.3	5.1	5.3	3				3	821350	806850
						4.2	0.2	359	27.9	27.9	7.9	7.9	16.8	16.8	65.2	65.5	4.7	5.3	5.1	5.3	3						
					Bottom	7.4	0.2	359	26.5	26.5	7.9	7.9	24.6	24.6	50.9	51.2	3.6	3.6	10.7	3.6	3				3	821350	806850
						7.4	0.2	2	26.5	26.5	7.9	7.9	24.6	24.6	51.4	51.2	3.6	3.6	10.7	3.6	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 21 July 22 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	08:17	7.9	Surface	1.0	0.4	214	29.1	29.1	8.1	8.1	15.2	15.2	101.7	100.9	7.2	5.6	7.3	10.5	2	3	815636	804230
						1.0	0.4	214	29.1		8.1	8.1	15.2	15.2	100.0	100.9	7.1		7.5					
					Middle	4.0	0.4	208	26.7	26.7	7.9	7.9	27.5	27.5	58.1	58.4	4.0	4.0	11.3	3				
						4.0	0.4	203	26.7		7.9	7.9	27.5	27.5	58.6	58.4	4.0		12.0	2				
					Bottom	6.9	0.3	220	26.5	26.5	7.9	7.9	28.5	28.5	58.0	58.4	4.0	4.0	12.6	3				
						6.9	0.4	215	26.5		7.9	7.9	28.5	28.5	58.8	58.4	4.0		12.5	3				
C2	Fine	Moderate	06:43	11.2	Surface	1.0	0.4	174	27.7	27.7	8.1	8.1	14.0	14.0	92.2	92.5	6.8	5.9	2.8	4.0	4	3	825692	806966
						1.0	0.5	179	27.6		8.1	8.1	14.0	14.0	92.7	92.5	6.8		2.7					
					Middle	5.6	0.4	173	27.5	27.5	7.9	7.9	18.0	18.1	70.4	70.4	5.0	5.0	4.0	4				
						5.6	0.4	168	27.5		7.9	7.9	18.1	18.1	70.4	70.4	5.0		4.0	3				
					Bottom	10.2	0.4	178	27.5	27.5	7.9	7.9	18.3	18.3	63.2	63.2	4.5	4.5	5.2	3				
						10.2	0.4	171	27.5		7.9	7.9	18.3	18.3	63.2	63.2	4.5		5.3	2				
C3	Sunny	Moderate	07:51	8.2	Surface	1.0	0.2	72	27.6	27.6	8.0	8.0	19.8	19.8	85.2	85.1	6.0	6.0	1.0	1.3	2	3	822127	817801
						1.0	0.2	77	27.6		8.0	8.0	19.8	19.8	84.9	85.1	6.0		1.1					
					Middle	4.1	0.1	55	27.6	27.6	7.9	7.9	20.1	20.1	84.1	84.0	5.9	5.9	1.1	3				
						4.1	0.1	54	27.6		7.9	7.9	20.1	20.1	83.9	84.0	5.9		1.1	3				
					Bottom	7.2	0.2	59	27.7	27.8	7.9	7.9	20.7	20.7	85.0	85.2	6.0	6.0	1.7	3				
						7.2	0.2	54	27.8		7.9	7.9	20.7	20.7	85.4	85.2	6.0		1.7	3				
IM1	Fine	Moderate	07:53	6.6	Surface	1.0	0.2	192	28.9	28.9	8.1	8.1	16.4	16.7	93.9	91.3	6.6	5.1	4.0	7.8	3	3	818350	806441
						1.0	0.2	198	28.9		8.1	8.1	17.0	17.0	88.6	91.3	6.2		4.0					
					Middle	3.3	0.3	180	26.6	26.6	7.8	7.8	28.2	28.2	55.5	55.6	3.8	3.8	8.6	3				
						3.3	0.3	183	26.5		7.8	7.8	28.3	28.2	55.7	55.6	3.8		8.7	2				
					Bottom	5.6	0.2	176	26.5	26.5	7.8	7.8	28.4	28.4	56.5	56.7	3.9	3.9	10.7	3				
						5.6	0.2	168	26.5		7.8	7.8	28.4	28.4	56.9	56.7	3.9		10.5	2				
IM2	Fine	Moderate	07:48	6.8	Surface	1.0	0.3	213	28.8	28.8	8.1	8.1	17.7	17.8	93.2	92.9	6.5	5.2	5.0	8.5	2	2	819198	806228
						1.0	0.3	213	28.7		8.1	8.1	17.9	17.8	92.6	92.9	6.5		5.0					
					Middle	3.4	0.4	190	26.7	26.7	7.9	7.9	25.6	25.7	54.8	54.8	3.8	3.8	7.1	3				
						3.4	0.4	183	26.6		7.9	7.9	25.8	25.7	54.7	54.8	3.8		6.8	2				
					Bottom	5.8	0.3	227	26.5	26.5	7.9	7.9	28.2	28.2	54.6	54.7	3.8	3.8	13.5	3				
						5.8	0.3	226	26.5		7.9	7.9	28.2	28.2	54.7	54.7	3.8		13.6	2				
IM7	Fine	Moderate	07:24	7.9	Surface	1.0	0.2	196	29.1	29.1	8.0	8.0	14.9	14.9	101.3	101.3	7.2	6.3	3.9	7.2	3	3	821333	806826
						1.0	0.2	188	29.0		8.0	8.0	14.9	14.9	101.2	101.3	7.2		4.1					
					Middle	4.0	0.2	218	28.1	28.1	7.8	7.8	20.2	20.3	75.3	75.2	5.3	5.3	7.2	3				
						4.0	0.1	222	28.0		7.8	7.8	20.3	20.3	75.1	75.2	5.3		7.5	3				
					Bottom	6.9	0.2	209	27.8	27.8	7.8	7.8	22.3	22.3	65.6	65.7	4.6	4.6	10.2	3				
						6.9	0.2	203	27.8		7.8	7.8	22.3	22.3	65.8	65.7	4.6		10.4	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 21 July 22 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	09:14	8.4	Surface	1.0	0.2	136	28.3	28.3	8.1	8.1	15.6	15.6	86.8	86.4	6.2	5.8	3.4	4.5	3	3	822217	809836
						1.0	0.2	130	28.2		8.1	8.1	15.6	15.6	86.0	86.4	6.2		3.3		3			
					Middle	4.2	0.3	152	28.0	28.0	8.0	8.0	18.5	18.5	76.9	76.9	5.4	5.8	4.1	3				
						4.2	0.3	150	28.0		8.0	8.0	18.6	18.5	76.9	76.9	5.4		4.1	3				
					Bottom	7.4	0.3	138	28.0	28.0	8.0	8.0	18.9	18.9	80.7	82.1	5.7	5.8	5.9	3				
						7.4	0.3	139	28.0		8.0	8.0	18.9	18.9	83.5	82.1	5.9		6.0	4				
IM11	Sunny	Moderate	09:04	8.2	Surface	1.0	0.2	97	28.2	28.2	8.1	8.1	15.8	15.8	87.8	87.2	6.3	5.7	1.8	2.8	2	3	821512	810542
						1.0	0.2	96	28.1		8.1	8.1	15.9	15.8	86.6	87.2	6.2		1.9		3			
					Middle	4.1	0.2	117	27.8	27.8	7.9	7.9	19.4	19.5	73.2	73.4	5.2	5.6	2.7	3				
						4.1	0.2	120	27.7		7.9	7.9	19.6	19.5	73.5	73.4	5.2		2.8	4				
					Bottom	7.2	0.2	87	27.7	27.8	8.0	8.0	19.9	19.8	76.8	78.6	5.4	5.6	3.8	4				
						7.2	0.3	86	27.8		8.0	8.0	19.7	19.8	80.3	78.6	5.7		3.8	3				
IM12	Sunny	Moderate	08:57	9.0	Surface	1.0	0.3	101	28.2	28.2	8.0	8.0	16.1	16.1	86.4	86.0	6.2	5.8	1.4	2.4	3	3	821145	811511
						1.0	0.2	96	28.1		8.0	8.0	16.2	16.1	85.5	86.0	6.1		1.4		3			
					Middle	4.5	0.2	107	27.9	27.9	7.9	7.9	17.9	17.9	77.1	77.1	5.5	5.7	2.8	4				
						4.5	0.3	108	27.9		7.9	7.9	17.9	17.9	77.1	77.1	5.5		2.7	3				
					Bottom	8.0	0.3	106	27.8	27.8	7.9	7.9	19.6	19.6	79.9	81.3	5.6	5.7	3.1	4				
						8.0	0.3	99	27.8		7.9	7.9	19.7	19.6	82.6	81.3	5.8		3.0	3				
SR1A	Sunny	Moderate	08:33	4.2	Surface	1.0	0.0	137	28.4	28.4	8.0	8.0	15.5	15.5	91.7	91.6	6.5	6.5	1.2	1.4	2	3	819981	812655
						1.0	0.1	135	28.3		8.0	8.0	15.5	15.5	91.4	91.6	6.5		1.2		4			
					Middle	2.1	0.0	156	-	-	-	-	-	-	-	-	-	6.6	-	1				
						2.1	0.0	156	-		-	-	-	-	-	-	-		-	-	1			
					Bottom	3.2	0.1	165	28.2	28.2	8.0	8.0	16.8	16.8	91.4	92.0	6.5	6.6	1.7	3				
						3.2	0.1	160	28.1		8.0	8.0	16.8	16.8	92.5	92.0	6.6		1.7	2				
SR2	Sunny	Moderate	08:20	4.6	Surface	1.0	0.4	46	28.6	28.6	8.1	8.1	15.5	15.5	92.0	92.0	6.5	6.5	1.2	1.3	4	4	821443	814153
						1.0	0.3	40	28.6		8.1	8.1	15.5	15.5	91.9	92.0	6.5		1.2		5			
					Middle	-	0.3	20	-	-	-	-	-	-	-	-	-	6.5	-	1				
						-	0.3	18	-		-	-	-	-	-	-	-		-	-	1			
					Bottom	3.6	0.3	34	28.8	28.9	8.1	8.1	15.6	15.6	92.0	92.2	6.5	6.5	1.4	3				
						3.6	0.3	31	29.0		8.1	8.1	15.5	15.6	92.4	92.2	6.5		1.4	4				
SR3	Fine	Moderate	07:18	8.5	Surface	1.0	0.4	172	28.6	28.6	7.9	7.9	16.7	16.7	88.6	88.5	6.3	5.7	4.0	7.8	4	3	822146	807550
						1.0	0.4	178	28.6		7.9	7.9	16.7	16.7	88.3	88.5	6.2		4.0		3			
					Middle	4.3	0.5	184	28.0	28.0	7.8	7.8	20.0	20.0	74.4	74.3	5.2	4.2	6.9	4				
						4.3	0.5	184	28.0		7.8	7.8	20.0	20.0	74.2	74.3	5.2		7.4	3				
					Bottom	7.5	0.4	162	27.6	27.6	7.8	7.8	23.5	23.5	60.4	60.5	4.2	4.2	12.2	3				
						7.5	0.5	162	27.6		7.8	7.8	23.5	23.5	60.6	60.5	4.2		12.1	3				
SR4A	Fine	Moderate	08:31	8.8	Surface	1.0	0.1	304	29.3	29.4	8.1	8.1	15.1	15.1	103.5	103.4	7.3	6.0	4.9	9.3	4	3	817192	807792
						1.0	0.1	303	29.4		8.1	8.1	15.1	15.1	103.2	103.4	7.3		5.2		4			
					Middle	4.4	0.0	301	27.1	27.1	7.9	7.9	22.9	23.0	66.3	66.2	4.6	4.0	10.5	3				
						4.4	0.0	299	27.0		7.9	7.9	23.0	23.0	66.0	66.2	4.6		10.8	3				
					Bottom	7.8	0.0	303	26.8	26.8	7.9	7.9	27.2	27.2	57.8	58.0	4.0	4.0	12.4	2				
						7.8	0.0	303	26.8		7.9	7.9	27.2	27.2	58.1	58.0	4.0		12.3	3				
SR8	Sunny	Moderate	08:50	5.0	Surface	1.0	-	-	28.7	28.7	8.0	8.0	15.2	15.2	89.0	88.5	6.3	6.3	1.7	2.5	3	3	820407	811605
						1.0	-	-	28.7		8.0	8.0	15.2	15.2	88.0	88.5	6.3		1.8		2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	1				
						-	-	-	-		-	-	-	-	-	-	-		-	-	1			
					Bottom	4.0	-	-	28.1	28.1	7.9	7.9	18.1	18.0	87.8	89.1	6.2	6.3	3.2	3				
						4.0	-	-	28.1		8.0	8.0	17.9	18.0	90.4	89.1	6.4		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 21 July 22 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	11:59	8.2	Surface	1.0	0.1	9	29.4	29.4	8.2	8.2	8.0	8.0	112.7	112.7	8.2	7.8	4.3	7.8	3	3	815598	804248							
						1.0	0.1	14	29.3	8.2	8.2	8.1	8.0	112.6	112.7	8.2	7.8	4.2	7.8	3	3										
					Middle	4.1	0.0	356	29.3	29.3	8.1	8.1	15.3	15.3	105.7	105.6	7.4	7.8	3.1	7.8	3	3									
						4.1	0.0	355	29.3	29.3	8.1	8.1	15.3	15.3	105.5	105.6	7.4	7.8	3.1	7.8	3	3									
					Bottom	7.2	0.1	32	27.1	27.1	7.9	7.9	25.5	25.5	61.6	61.7	4.2	4.3	16.0	4.3	3	3									
						7.2	0.1	39	27.1	27.1	7.9	7.9	25.5	25.5	61.7	61.7	4.3	4.3	16.2	4.3	3	3									
					C2	Sunny	Moderate	13:26	12.2	Surface	1.0	0.2	335	30.1	30.1	8.2	8.2	14.5	14.5	114.5	114.5	8.0			6.5	3.2	3.5	4	3	825673	806942
											1.0	0.1	342	30.1	30.1	8.2	8.2	14.5	14.5	114.4	114.5	8.0			6.5	3.2	3.5	3	3		
Middle	6.1	0.1	351	28.0						28.0	7.9	7.9	21.8	21.8	70.5	70.5	4.9	4.5	3.5	4.5	3	3									
	6.1	0.1	350	28.0						28.0	7.9	7.9	21.8	21.8	70.4	70.5	4.9	4.5	3.5	4.5	3	3									
Bottom	11.2	0.1	327	27.6						27.6	7.9	7.9	24.0	24.0	65.0	65.0	4.5	4.5	3.8	4.5	3	2									
	11.2	0.1	331	27.6						27.6	7.9	7.9	24.0	24.0	65.0	65.0	4.5	4.5	3.9	4.5	2	2									
C3	Sunny	Moderate	13:28	9.2						Surface	1.0	0.3	261	28.2	28.2	8.0	8.0	18.8	18.8	87.5	86.2	6.2	5.8	1.1	2.3	3	3	822126	817796		
											1.0	0.3	268	28.2	28.2	8.0	8.0	18.8	18.8	84.9	86.0	6.0	5.8	1.1	2.3	2	3				
					Middle	4.6	0.3	251	26.8	26.8	8.0	8.0	24.1	24.1	78.3	78.5	5.5	5.8	2.2	5.8	3	3									
						4.6	0.3	257	26.8	26.8	8.0	8.0	24.2	24.1	78.7	78.5	5.5	5.8	2.3	5.8	2	3									
					Bottom	8.2	0.3	233	26.8	26.9	8.0	8.0	24.5	24.5	81.4	83.0	5.7	5.8	3.6	5.8	3	3									
						8.2	0.3	240	26.9	26.9	8.0	8.0	24.4	24.5	84.6	83.0	5.9	5.8	3.6	5.8	3	3									
					IM1	Sunny	Moderate	12:18	6.6	Surface	1.0	0.0	354	29.8	29.8	8.3	8.3	9.4	9.4	124.4	124.6	9.0	8.4	4.4	6.0	2	4			818356	806449
											1.0	0.1	359	29.8	29.8	8.3	8.3	9.4	9.4	124.7	124.6	9.0	8.4	4.4	6.0	3	4				
Middle	3.3	0.1	15	29.2						29.2	8.2	8.2	12.9	12.9	109.1	109.1	7.8	7.1	4.6	7.1	4	3									
	3.3	0.1	8	29.2						29.2	8.2	8.2	12.9	12.9	109.1	109.1	7.8	7.1	4.6	7.1	3	3									
Bottom	5.6	0.1	353	26.6						26.6	7.9	7.9	27.9	28.0	53.8	53.9	3.7	3.7	8.9	3.7	4	4									
	5.6	0.0	349	26.6						26.6	7.9	7.9	28.0	28.0	53.9	53.9	3.7	3.7	8.9	3.7	5	4									
IM2	Sunny	Moderate	12:25	7.6						Surface	1.0	0.1	301	29.4	29.4	8.2	8.2	10.5	10.6	115.9	115.9	8.4	7.1	3.9	7.3	3	3	819180	806259		
											1.0	0.1	296	29.4	29.4	8.2	8.2	10.6	10.6	115.8	115.9	8.3	7.1	3.8	7.3	3	3				
					Middle	3.8	0.1	296	28.1	28.1	8.0	8.0	20.9	20.9	83.4	83.3	5.8	3.6	4.4	3.6	2	4									
						3.8	0.1	301	28.1	28.1	8.0	8.0	21.0	20.9	83.1	83.3	5.8	3.6	4.4	3.6	3	4									
					Bottom	6.6	0.1	288	26.5	26.5	7.9	7.9	28.3	28.3	52.2	52.3	3.6	4.5	13.9	4.5	3	4									
						6.6	0.1	288	26.5	26.5	7.9	7.9	28.3	28.3	52.4	52.3	3.6	4.5	13.3	4.5	4	4									
					IM7	Sunny	Moderate	12:53	8.3	Surface	1.0	0.1	276	29.4	29.4	8.1	8.1	14.0	14.0	107.4	107.4	7.6	6.6	3.4	6.0	2	4			821320	806828
											1.0	0.2	275	29.4	29.4	8.1	8.1	14.0	14.0	107.4	107.4	7.6	6.6	3.4	6.0	3	4				
Middle	4.2	0.1	254	28.5						28.5	7.9	7.9	19.1	19.1	79.0	78.8	5.5	4.5	4.5	4.5	4	4									
	4.2	0.1	260	28.5						28.5	7.9	7.9	19.1	19.1	78.6	78.8	5.5	4.5	4.5	4.5	4	4									
Bottom	7.3	0.2	286	27.9						27.9	7.9	7.9	22.0	22.0	65.0	65.1	4.5	4.5	10.1	4.5	4	4									
	7.3	0.2	288	27.9						27.9	7.9	7.9	22.0	22.0	65.2	65.1	4.5	4.5	10.1	4.5	4	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 23 July 22 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	09:54	8.2	Surface	1.0	0.5	200	30.6	30.6	8.5	8.5	8.7	8.6	139.7	139.6	10.0	9.0	4.5	6.9	3	3	815621	804226
						1.0	0.5	204	30.6	8.5	8.5	8.6	8.6	139.4	139.6	9.9	9.0	4.6	6.9	3				
					Middle	4.1	0.5	215	29.8	29.8	8.3	8.3	11.2	11.2	113.9	113.6	8.1	8.1	4.9	6.9	3			
						4.1	0.5	214	29.8	29.8	8.3	8.3	11.2	11.2	113.2	113.6	8.1	8.1	4.9	6.9	3			
					Bottom	7.2	0.4	186	26.9	27.0	7.9	7.9	27.5	27.4	58.5	58.7	4.0	4.0	11.5	4.0	2			
						7.2	0.4	187	27.0	27.0	7.9	7.9	27.4	27.4	58.8	58.7	4.0	4.0	11.1	4.0	3			
C2	Fine	Moderate	11:24	11.0	Surface	1.0	0.5	188	29.5	29.5	8.2	8.2	9.4	9.4	103.0	102.0	7.5	5.6	4.5	6.2	2	2	825696	806964
						1.0	0.5	188	29.5	29.5	8.2	8.2	9.5	9.4	101.0	102.0	7.3	5.6	4.3	6.2	2			
					Middle	5.5	0.5	183	26.8	26.8	8.0	8.0	27.0	27.1	53.1	53.1	3.7	3.7	6.8	6.2	2			
						5.5	0.5	175	26.8	26.8	8.0	8.0	27.1	27.1	53.1	53.1	3.7	3.7	7.0	6.2	2			
					Bottom	10.0	0.5	176	25.8	25.8	8.0	8.0	30.7	30.7	44.3	44.3	3.0	3.0	7.3	3.0	3			
						10.0	0.5	170	25.8	25.8	8.0	8.0	30.7	30.7	44.3	44.3	3.0	3.0	7.2	3.0	2			
C3	Sunny	Moderate	09:31	8.0	Surface	1.0	0.3	67	29.5	29.5	8.4	8.4	12.9	12.9	115.6	115.5	8.2	7.3	1.0	1.6	4	3	822106	817783
						1.0	0.3	63	29.5	29.5	8.4	8.4	12.9	12.9	115.3	115.5	8.2	7.3	1.1	1.6	3			
					Middle	4.0	0.2	51	28.0	28.0	8.1	8.1	18.7	18.7	91.0	90.7	6.4	6.4	1.7	6.2	3			
						4.0	0.2	51	27.9	27.9	8.1	8.1	18.7	18.7	90.3	90.7	6.4	6.4	1.7	6.2	3			
					Bottom	7.0	0.3	53	27.5	27.5	8.1	8.1	22.1	22.1	87.5	88.0	6.1	6.2	2.0	6.2	3			
						7.0	0.2	48	27.5	27.5	8.1	8.1	22.1	22.1	88.5	88.0	6.2	6.2	2.0	6.2	3			
IM1	Fine	Moderate	10:19	6.8	Surface	1.0	0.3	200	30.3	30.3	8.4	8.4	9.4	9.4	124.6	124.4	8.9	6.1	5.7	8.0	2	2	818361	806435
						1.0	0.3	205	30.3	30.3	8.4	8.4	9.4	9.4	124.2	124.4	8.9	6.1	5.3	8.0	2			
					Middle	3.4	0.3	205	26.6	26.6	7.9	7.9	28.5	28.4	48.1	48.2	3.3	3.1	6.8	6.2	2			
						3.4	0.3	204	26.6	26.6	7.9	7.9	28.4	28.4	48.2	48.2	3.3	3.1	6.9	6.2	2			
					Bottom	5.8	0.2	200	26.3	26.3	7.9	7.9	30.3	30.3	44.8	44.8	3.1	3.1	11.6	3.1	2			
						5.8	0.3	206	26.3	26.3	7.9	7.9	30.3	30.3	44.8	44.8	3.1	3.1	11.6	3.1	2			
IM2	Fine	Moderate	10:27	6.9	Surface	1.0	0.3	221	29.6	29.6	8.4	8.4	11.4	11.5	114.2	112.7	8.2	5.8	3.6	6.8	2	2	819188	806240
						1.0	0.4	222	29.5	29.6	8.4	8.4	11.6	11.5	111.2	112.7	8.0	5.8	3.7	6.8	2			
					Middle	3.5	0.4	208	26.6	26.6	7.9	7.9	28.1	28.1	51.1	51.1	3.5	3.1	6.3	6.8	2			
						3.5	0.4	208	26.5	26.6	7.9	7.9	28.1	28.1	51.1	51.1	3.5	3.1	6.4	6.8	2			
					Bottom	5.9	0.4	225	26.2	26.2	7.9	7.9	30.1	30.1	44.6	44.7	3.0	3.1	10.2	3.1	2			
						5.9	0.5	232	26.2	26.2	7.9	7.9	30.1	30.1	44.7	44.7	3.1	3.1	10.7	3.1	2			
IM7	Fine	Moderate	10:56	7.1	Surface	1.0	0.3	228	30.2	30.2	8.3	8.3	9.6	9.6	115.6	115.4	8.3	6.4	4.1	4.6	3	3	821354	806829
						1.0	0.3	224	30.2	30.2	8.3	8.3	9.6	9.6	115.1	115.4	8.2	6.4	3.9	4.6	3			
					Middle	3.6	0.3	215	27.7	27.8	7.9	7.9	23.2	23.1	65.9	66.0	4.6	3.1	3.2	4.6	3			
						3.6	0.3	220	27.8	27.8	7.9	7.9	23.1	23.1	66.0	66.0	4.6	3.1	3.3	4.6	3			
					Bottom	6.1	0.3	201	26.8	26.8	7.9	7.9	28.0	28.0	44.6	44.7	3.1	3.1	6.4	3.1	2			
						6.1	0.4	204	26.8	26.8	7.9	7.9	28.0	28.0	44.7	44.7	3.1	3.1	6.5	3.1	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 23 July 22 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	16:17	8.4	Surface	1.0	0.2	40	30.0	30.0	8.5	8.5	11.5	11.5	131.0	130.6	9.3	9.3	6.8	4.7	7.9	5	4	815612	804267							
						1.0	0.2	32	30.0		8.5	8.5	11.5	11.5	130.2	130.6	9.2	9.2		4.7		4										
					Middle	4.2	0.2	28	26.8	26.8	8.0	8.0	26.1	26.2	62.5	62.6	4.3	4.3	8.5	8.5	5	5										
						4.2	0.2	29	26.8		8.0	8.0	26.2	26.2	62.6	62.6	4.3	4.3	8.8	8.8	4	4										
					Bottom	7.4	0.2	49	26.6	26.6	7.9	7.9	27.3	28.2	57.7	57.8	3.9	3.9	10.1	10.1	4	4										
						7.4	0.2	55	26.6		7.9	7.9	29.2	28.2	57.8	57.8	3.9	3.9	10.7	10.7	4	4										
					C2	Sunny	Moderate	15:02	10.8	Surface	1.0	0.1	343	28.8	28.8	8.1	8.1	19.0	18.3	84.4	85.5	5.9	5.9			5.0	4.9	5.5	3	3	825665	806947
											1.0	0.1	342	28.8		8.1	8.1	17.6	18.3	86.5	85.5	6.1	6.1				4.9		3			
Middle	5.4	0.1	318	27.0						27.0	8.0	8.0	26.5	26.5	58.7	58.8	4.0	4.0	5.4	5.4	4	4										
	5.4	0.1	321	27.0							8.0	8.0	26.6	26.5	58.8	58.8	4.0	4.0	5.4	5.4	3	3										
Bottom	9.8	0.1	326	26.9						26.9	8.0	8.0	27.1	27.1	59.3	59.4	4.1	4.1	6.6	6.6	3	3										
	9.8	0.2	323	26.9							8.0	8.0	27.2	27.1	59.4	59.4	4.1	4.1	6.2	6.2	4	4										
C3	Sunny	Moderate	16:17	9.0						Surface	1.0	0.2	265	30.4	30.4	8.4	8.4	12.5	12.6	120.6	116.3	8.5	8.5	5.8	1.8	2.7	2	3	822096	817805		
											1.0	0.2	265	30.4		8.4	8.4	12.6	12.6	111.9	116.3	7.9	7.9		1.9		3					
					Middle	4.5	0.2	248	26.2	26.2	7.8	7.8	25.4	25.5	51.6	49.1	3.6	3.6	2.6	2.6	3	3										
						4.5	0.3	246	26.1		7.8	7.8	25.5	25.5	46.5	46.5	3.3	3.3	2.8	2.8	2	2										
					Bottom	8.0	0.2	262	24.9	24.9	7.8	7.8	29.0	29.0	46.6	46.7	3.3	3.3	3.4	3.4	3	3										
						8.0	0.2	262	24.9		7.8	7.8	29.1	29.0	46.7	46.7	3.3	3.3	3.6	3.6	3	3										
					IM1	Sunny	Moderate	15:57	6.6	Surface	1.0	0.2	18	30.5	30.5	8.6	8.6	9.2	9.2	156.7	156.6	11.2	11.2	10.8	5.9	10.0	4	4			818337	806462
											1.0	0.2	14	30.5		8.6	8.6	9.2	9.2	156.4	156.6	11.1	11.1		5.9		4					
Middle	3.3	0.1	14	30.5						30.5	8.6	8.6	9.3	9.3	149.1	147.9	10.6	10.6	11.6	11.6	4	4										
	3.3	0.2	7	30.5							8.6	8.6	9.3	9.3	146.6	146.6	10.4	10.4	11.5	11.5	4	4										
Bottom	5.6	0.2	23	26.9						26.9	7.9	7.9	28.3	28.3	50.3	50.4	3.4	3.4	12.6	12.6	4	4										
	5.6	0.2	28	26.9							7.9	7.9	28.3	28.3	50.5	50.5	3.4	3.4	12.8	12.8	4	4										
IM2	Sunny	Moderate	15:50	6.9						Surface	1.0	0.2	324	31.2	31.2	8.7	8.7	8.5	8.5	172.6	172.6	12.2	12.2	11.6	4.9	5.6	3	4	819193	806249		
											1.0	0.2	319	31.2		8.7	8.7	8.5	8.5	172.5	172.6	12.2	12.2		4.9		3					
					Middle	3.5	0.2	330	30.7	30.7	8.6	8.6	9.8	9.8	156.2	155.9	11.1	11.1	4.4	4.4	3	3										
						3.5	0.2	329	30.7		8.6	8.6	9.8	9.8	155.5	155.9	11.0	11.0	4.4	4.4	4	4										
					Bottom	5.9	0.1	321	26.5	26.5	7.9	7.9	29.1	29.1	48.0	48.1	3.3	3.3	7.5	7.5	4	4										
						5.9	0.2	322	26.5		7.9	7.9	29.0	29.1	48.2	48.2	3.3	3.3	7.5	7.5	5	5										
					IM7	Sunny	Moderate	15:24	8.0	Surface	1.0	0.1	247	30.2	30.2	8.3	8.3	9.5	9.5	117.5	117.3	8.4	8.4	6.6	4.7	3.8	3	3			821355	806842
											1.0	0.1	250	30.2		8.3	8.3	9.5	9.5	117.0	117.3	8.4	8.4		4.6		3					
Middle	4.0	0.2	262	27.6						27.6	7.9	7.9	22.2	22.2	69.5	69.3	4.8	4.8	3.2	3.2	3	3										
	4.0	0.2	262	27.6							7.9	7.9	22.1	22.2	69.1	69.3	4.8	4.8	3.2	3.2	3	3										
Bottom	7.0	0.1	259	27.0						27.0	7.9	7.9	26.7	26.7	54.4	54.7	3.7	3.7	3.4	3.4	3	3										
	7.0	0.2	255	27.0							7.9	7.9	26.7	26.7	54.9	54.9	3.8	3.8	3.4	3.4	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 23 July 22 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	14:55	9.0	Surface	1.0	0.3	280	30.0	30.0	8.2	8.2	7.4	7.4	104.1	103.4	7.6	6.6	1.2	2.4	3	3	822249	809849
						1.0	0.3	282	29.9		8.2		8.2		7.4		7.4		102.6		7.5			
					Middle	4.5	0.3	265	29.7	8.2	8.2	8.7	8.7	81.1	76.2	5.9	2.3							
						4.5	0.2	270	29.6	8.2	8.2	8.8	8.7	71.2	5.2	2.4								
					Bottom	8.0	0.3	272	26.8	26.8	7.7	7.7	23.7	23.7	66.2	68.8	4.6	4.8	3.6					
						8.0	0.3	271	26.8		7.7		7.7		23.6		23.7		71.4	5.0	3.6			
IM11	Sunny	Moderate	15:03	7.4	Surface	1.0	0.3	271	30.1	30.1	8.3	8.3	8.3	8.3	122.8	123.1	8.9	8.6	2.2	2.8	3	3	821494	810563
						1.0	0.2	274	30.0		8.3		8.3		8.3		8.3		123.4		8.9			
					Middle	3.7	0.3	269	29.9	29.9	8.3	8.3	9.8	9.8	116.1	113.9	8.3	8.1	3.1					
						3.7	0.3	271	29.8		8.3		8.3		9.8		9.8		111.7	8.1	3.1			
					Bottom	6.4	0.2	283	28.1	28.1	7.9	7.9	19.8	19.8	90.9	92.8	6.4	6.5	3.2					
						6.4	0.2	279	28.0		7.9		7.9		19.9		19.8		94.7	6.6	3.2			
IM12	Sunny	Moderate	15:12	7.2	Surface	1.0	0.3	278	29.9	29.9	8.3	8.3	9.3	9.3	120.9	120.4	8.7	7.9	1.0	1.6	3	3	821177	811536
						1.0	0.4	279	29.8		8.3		8.3		9.3		9.3		119.8		8.6			
					Middle	3.6	0.3	295	29.5	29.5	8.2	8.2	11.9	11.8	106.3	100.0	7.6	6.7	1.4					
						3.6	0.3	295	29.5		8.2		8.2		11.7		11.7		93.7	6.7	1.5			
					Bottom	6.2	0.3	265	27.4	27.7	7.8	7.8	22.7	22.5	84.5	89.3	5.9	6.2	2.3					
						6.2	0.3	262	27.9		7.8		7.8		22.3		22.5		94.1	6.5	2.4			
SR1A	Sunny	Moderate	15:42	5.0	Surface	1.0	0.0	181	30.3	30.3	8.5	8.5	9.2	9.2	143.9	143.4	10.3	10.3	3.2	3.6	3	3	819980	812659
						1.0	0.1	188	30.2		8.5		8.5		9.2		9.2		142.9		10.2			
					Middle	2.5	0.0	180	-	-	-	-	-	-	-	-	-	-	-					
						2.5	0.0	182	-		-		-		-		-		-	-	-			
					Bottom	4.0	0.0	204	29.7	29.9	8.2	8.2	15.9	15.6	123.9	123.9	8.6	8.6	4.1					
						4.0	-	201	30.0		8.2		8.2		15.4		15.6		123.8	8.6	4.2			
SR2	Sunny	Moderate	15:54	4.6	Surface	1.0	0.0	308	30.8	30.8	8.5	8.4	10.2	10.2	127.7	123.5	9.0	8.7	1.4	1.9	3	3	821479	814144
						1.0	0.1	304	30.8		8.4		8.4		10.2		10.2		119.2		8.4			
					Middle	-	0.1	320	-	-	-	-	-	-	-	-	-	-	-					
						-	0.1	317	-		-		-		-		-		-	-				
					Bottom	3.6	0.1	317	27.5	27.6	7.9	7.9	21.5	21.4	95.3	97.2	6.7	6.8	2.5					
						3.6	0.1	317	27.7		7.9		7.9		21.2		21.4		99.1	6.9	2.4			
SR3	Sunny	Moderate	15:17	8.7	Surface	1.0	0.2	215	30.2	30.2	8.3	8.3	10.0	10.1	123.4	123.3	8.8	7.5	5.0	6.5	3	3	822148	807553
						1.0	0.1	215	30.2		8.3		8.3		10.1		10.1		123.2		8.8			
					Middle	4.4	0.1	228	29.1	29.1	8.1	8.1	15.1	15.2	86.9	86.5	6.1	6.1	4.2					
						4.4	0.1	230	29.1		8.1		8.1		15.2		15.2		86.1	6.1	4.2			
					Bottom	7.7	0.1	194	26.8	26.8	7.9	7.9	27.7	27.7	44.5	44.7	3.1	3.1	10.3					
						7.7	0.1	200	26.8		7.9		7.9		27.7		27.7		44.8	3.1	10.3			
SR4A	Sunny	Moderate	16:35	8.6	Surface	1.0	0.0	137	31.6	31.6	8.7	8.7	10.2	10.2	167.4	167.1	11.6	9.6	7.2	8.7	5	7	817182	807824
						1.0	0.0	130	31.6		8.7		8.7		10.2		10.2		166.8		11.6			
					Middle	4.3	0.1	119	29.7	29.8	8.2	8.2	17.8	17.8	109.5	109.3	7.5	7.5	8.5					
						4.3	0.1	121	29.8		8.2		8.2		17.8		17.8		109.1	7.5	8.6			
					Bottom	7.6	0.1	121	27.5	27.5	7.9	7.9	25.0	25.0	57.8	58.0	4.0	4.0	10.3					
						7.6	0.1	118	27.5		7.9		7.9		25.0		25.0		58.2	4.0	10.3			
SR8	Sunny	Moderate	15:24	4.6	Surface	1.0	-	-	30.8	30.8	8.4	8.4	9.6	9.6	140.3	139.7	9.9	9.9	2.2	2.6	3	3	820382	811614
						1.0	-	-	30.8		8.4		8.4		9.6		9.6		139.1		9.9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-		-		-		-		-		-	-				
					Bottom	3.6	-	-	30.8	30.8	8.3	8.3	10.0	9.9	123.7	121.8	8.7	8.6	3.1					
						3.6	-	-	30.8		8.3		8.3		9.9		9.9		119.9	8.5	3.0			

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 July 22 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	12:08	8.5	Surface	1.0	0.6	221	29.5	8.4	8.4	14.1	14.2	121.3	121.1	8.6	7.8	2.3	3.0	5	6	815610	804238											
						1.0	0.5	220	29.4	8.4	8.4	14.3	120.9	8.5	2.4	6																		
						Middle	4.3	0.6	190	28.5	8.2	8.2	18.5	18.5	99.4	99.2		7.0		3.3				6										
							4.3	0.6	183	28.5	8.2	8.2	18.5	18.5	99.0	99.2		6.9		3.3				6										
					Bottom	7.5	0.6	229	28.4	8.2	8.2	18.6	18.6	93.9	93.8	6.6		3.3		7														
						7.5	0.6	230	28.4	8.2	8.2	18.7	18.6	93.7	93.8	6.6		3.3		7														
						C2	Sunny	Moderate	10:47	11.4	Surface	1.0	0.7	153	29.3	8.3		8.3		14.3				14.3	104.7	104.8	7.4	6.1	3.1	4.3	5	5	825661	806944
												1.0	0.7	149	29.3	8.3		8.3		14.3				104.8	7.4	3.1	4							
Middle	5.7	0.6	187	27.6	8.0							8.0	21.6	21.6	69.0	68.8	4.8	2.4	5															
	5.7	0.7	189	27.6	8.0							8.0	21.6	21.6	68.6	68.8	4.8	2.5	6															
Bottom	10.4	0.6	150	25.4	7.9						7.9	28.3	28.3	43.9	44.0	3.1	7.7	6																
	10.4	0.7	153	25.4	7.9						7.9	28.4	28.3	44.0	44.0	3.1	7.3	6																
	C3	Fine	Moderate	12:10	9.2						Surface	1.0	0.2	54	29.5	8.5	8.5	18.9	18.9	133.5	133.2	9.2	7.6	3.1	3.9	4	4		822117		817780			
												1.0	0.3	54	29.5	8.5	8.5	18.9	132.9	9.1	3.1	3												
Middle						4.6	0.3	45	28.0	8.2		8.2	23.7	23.6	89.3	89.0	6.1	3.6	5															
						4.6	0.3	39	28.1	8.2		8.2	23.5	23.6	88.7	89.0	6.1	3.7	4															
Bottom						8.2	0.2	63	24.9	8.0	8.0	32.5	32.6	50.8	51.1	3.5	5.0	5																
						8.2	0.3	69	24.9	8.0	8.0	32.6	32.6	51.3	51.1	3.5	4.9	5																
						IM1	Sunny	Moderate	11:52	6.6	Surface	1.0	0.4	194	29.9	8.5	8.5	15.4	15.4	128.9	128.8	9.0		5.7		2.7		5.4		6		7	818349	806448
												1.0	0.4	187	29.9	8.5	8.5	15.4	128.7	9.0	2.7	6												
Middle	3.3	0.4	180	25.9	7.8							7.8	28.0	28.0	34.5	34.5	2.4	3.9	7															
	3.3	0.3	183	25.9	7.8							7.8	28.0	28.0	34.5	34.5	2.4	3.9	7															
Bottom	5.6	0.4	176	25.7	7.9						7.9	28.6	28.6	37.5	37.6	2.6	9.9	8																
	5.6	0.4	170	25.7	7.9						7.9	28.6	28.6	37.7	37.6	2.6	9.4	7																
	IM2	Sunny	Moderate	11:47	6.8						Surface	1.0	0.4	210	30.1	8.6	8.6	14.8	14.8	123.1	122.8	8.6	5.8		2.3	4.0	6		7	819183	806217			
												1.0	0.5	208	30.1	8.6	8.6	14.8	122.4	8.5	2.4	5												
Middle						3.4	0.4	183	26.4	8.0		8.0	25.5	25.6	44.1	44.1	3.1	4.0	7															
						3.4	0.4	189	26.4	8.0		8.0	25.6	25.6	44.0	44.1	3.1	4.1	7															
Bottom						5.8	0.5	189	25.6	8.0	8.0	29.0	29.1	35.9	36.0	2.5	5.5	8																
						5.8	0.5	195	25.6	8.0	8.0	29.1	29.1	36.1	36.0	2.5	5.5	7																
						IM7	Sunny	Moderate	11:24	8.0	Surface	1.0	0.2	178	29.5	8.4	8.4	12.8	12.9	116.2	116.0	8.3		7.4	2.5		3.0	6				6	821343	806851
												1.0	0.2	184	29.5	8.4	8.4	12.9	115.8	8.2	2.5	6												
Middle	4.0	0.3	182	28.8	8.1							8.1	18.6	18.5	93.1	93.3	6.5	2.4	5															
	4.0	0.3	182	28.8	8.1							8.1	18.4	18.5	93.4	93.3	6.6	2.5	6															
Bottom	7.0	0.3	164	26.3	7.8						7.8	26.1	26.1	45.8	46.1	3.2	3.9	5																
	7.0	0.3	166	26.3	7.8						7.8	26.1	26.1	46.3	46.1	3.2	4.0	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 26 July 22 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	04:26	8.1	Surface	1.0	0.2	21	29.2	29.2	8.5	8.5	13.9	13.9	95.8	95.5	6.7	5.4	5.1	7.6	4	5	815606	804254
						1.0	0.3	23	29.2	8.5	8.5	13.9	13.9	95.2	95.5	6.7	5.0		4					
					Middle	4.1	0.3	24	27.0	27.0	8.0	8.0	22.4	22.4	58.7	58.6	4.1		4.4		5			
						4.1	0.2	30	27.0	27.0	8.0	8.0	22.4	22.4	58.5	58.6	4.1		4.5		4			
					Bottom	7.1	0.3	46	24.8	24.8	7.8	7.8	30.2	30.2	36.0	36.3	2.5		13.4		6			
						7.1	0.2	50	24.8		7.8	7.8	30.2	30.2	36.6	36.3	2.5		13.4		7			
C2	Fine	Moderate	05:57	11.4	Surface	1.0	0.2	359	29.1	29.1	8.3	8.3	14.1	14.1	94.3	94.3	6.7	5.7	4.3	6.2	4	4	825699	806934
						1.0	0.3	353	29.1	29.1	8.3	8.3	14.0	14.0	94.3	94.3	6.7		4.3		5			
					Middle	5.7	0.3	335	27.2	27.2	8.0	8.0	21.3	21.3	65.5	65.3	4.6		2.5		5			
						5.7	0.3	338	27.2	27.2	8.0	8.0	21.3	21.3	65.0	65.3	4.6		2.5		4			
					Bottom	10.4	0.3	12	25.1	25.1	7.9	7.9	28.0	28.0	47.5	47.6	3.3		11.8		3			
						10.4	0.2	11	25.1		7.9	7.9	28.0	28.0	47.7	47.6	3.3		11.7		4			
C3	Fine	Moderate	03:54	9.7	Surface	1.0	0.3	259	29.1	29.1	8.5	8.5	17.3	17.3	135.6	135.4	9.4	8.2	2.5	3.4	3	4	822129	817821
						1.0	0.3	261	29.1	29.1	8.5	8.5	17.3	17.3	135.2	135.4	9.4		2.6		3			
					Middle	4.9	0.3	254	27.4	27.4	8.3	8.3	24.5	24.5	102.2	102.1	7.0		3.6		4			
						4.9	0.2	252	27.4	27.4	8.3	8.3	24.4	24.5	102.0	102.1	7.0		3.6		3			
					Bottom	8.7	0.3	242	25.0	25.0	8.1	8.1	31.2	31.2	65.5	65.6	4.5		4.1		4			
						8.7	0.3	244	25.0		8.1	8.1	31.2	31.2	65.6	65.6	4.5		4.2		4			
IM1	Fine	Moderate	04:44	6.5	Surface	1.0	0.2	7	28.7	28.7	8.5	8.5	16.7	16.8	91.5	91.5	6.4	4.6	5.5	8.3	6	5	818348	806440
						1.0	0.2	7	28.7	28.7	8.5	8.5	16.9	16.8	91.5	91.5	6.4		5.5		6			
					Middle	3.3	0.2	34	25.6	25.6	8.0	8.0	27.7	27.8	40.1	40.1	2.8		6.2		5			
						3.3	0.2	35	25.5	25.5	8.0	8.0	27.8	27.8	40.1	40.1	2.8		6.1		6			
					Bottom	5.5	0.1	31	25.4	25.4	8.1	8.1	28.4	28.4	40.9	41.1	2.8		13.3		4			
						5.5	0.1	29	25.4		8.1	8.1	28.3	28.4	41.2	41.2	2.9		13.1		5			
IM2	Fine	Moderate	04:50	7.0	Surface	1.0	0.1	342	27.9	27.9	8.2	8.2	18.9	18.9	82.1	82.2	5.8	4.1	3.2	4.0	4	5	819196	806258
						1.0	0.1	337	27.9	27.9	8.2	8.2	18.8	18.9	82.3	82.2	5.8		3.2		4			
					Middle	3.5	0.1	351	25.5	25.5	7.8	7.8	27.7	27.8	34.8	34.8	2.4		3.8		4			
						3.5	0.0	350	25.5	25.5	7.8	7.8	27.8	27.8	34.7	34.8	2.4		3.8		5			
					Bottom	6.0	0.1	10	25.3	25.3	7.9	7.9	28.6	28.6	36.9	37.3	2.6		4.9		5			
						6.0	0.1	5	25.3		7.9	7.9	28.6	28.6	37.6	37.6	2.6		4.9		5			
IM7	Fine	Moderate	05:20	7.7	Surface	1.0	0.2	351	29.4	29.4	8.5	8.5	13.7	13.7	94.5	94.7	6.7	5.8	2.9	4.8	4	5	821371	806825
						1.0	0.2	345	29.4	29.4	8.5	8.5	13.7	13.7	94.9	94.7	6.7		3.0		4			
					Middle	3.9	0.2	0	27.5	27.5	8.2	8.2	20.8	20.8	68.4	68.3	4.8		4.9		5			
						3.9	0.1	359	27.5	27.5	8.2	8.2	20.8	20.8	68.2	68.3	4.8		5.1		5			
					Bottom	6.7	0.1	352	26.1	26.1	8.0	8.0	26.9	26.9	51.7	52.5	3.6		6.5		5			
						6.7	0.1	347	26.1		8.0	8.0	26.9	26.9	53.2	52.5	3.7		6.4		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 26 July 22 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	05:51	8.1	Surface	1.0	0.3	285	29.4	8.4	8.4	16.8	16.8	121.8	121.8	8.4	7.0	4.7	5.9	6	6	822260	809822	
						1.0	0.3	280	29.4	8.4	8.4	16.8	16.8	121.7	121.8	8.4		4.7		6				
					Middle	4.1	0.3	279	28.2	8.1	8.1	20.9	21.2	83.0	82.0	5.7		5.2		6				
						4.1	0.3	281	28.2	8.1	8.1	21.5	21.2	81.0	82.0	5.6		5.2		5				
					Bottom	7.1	0.3	285	26.1	7.9	7.9	28.5	28.5	41.9	42.1	2.9		7.9		5				
						7.1	0.4	278	26.1	7.9	7.9	28.5	28.5	42.3	42.1	2.9		8.0		6				
IM11	Fine	Moderate	05:33	7.9	Surface	1.0	0.3	290	29.1	8.4	8.4	17.2	17.2	115.2	114.9	8.0	5.7	3.4	5.5	4	5	821485	810548	
						1.0	0.3	292	29.1	8.4	8.4	17.1	17.2	114.5	114.9	7.9		3.4		5				
					Middle	4.0	0.3	287	26.6	7.9	7.9	26.2	26.2	49.3	49.2	3.4		4.6		6				
						4.0	0.3	288	26.5	7.9	7.9	26.3	26.2	49.0	49.2	3.4		4.8		5				
					Bottom	6.9	0.4	296	26.0	7.9	7.9	28.2	28.1	45.2	45.3	3.1		8.3		6				
						6.9	0.4	298	26.0	7.9	7.9	28.0	28.1	45.3	45.3	3.1		8.4		6				
IM12	Fine	Moderate	05:23	8.2	Surface	1.0	0.4	292	29.3	8.5	8.5	16.7	16.7	129.0	128.6	8.9	6.6	3.5	4.4	5	5	821176	811507	
						1.0	0.4	294	29.4	8.5	8.5	16.7	16.7	128.2	128.6	8.9		3.5		5				
					Middle	4.1	0.4	287	27.2	8.0	8.0	24.1	24.1	62.2	62.3	4.3		4.5		5				
						4.1	0.4	280	27.2	8.0	8.0	24.1	24.1	62.4	62.3	4.3		4.4		5				
					Bottom	7.2	0.3	299	26.2	7.9	7.9	27.6	27.6	53.9	54.0	3.7		5.4		5				
						7.2	0.4	297	26.2	7.9	7.9	27.5	27.6	54.0	54.0	3.7		5.3		5				
SR1A	Fine	Calm	04:47	5.6	Surface	1.0	0.0	190	29.5	8.4	8.4	17.4	17.4	132.2	132.4	9.1	9.1	3.0	4.1	5	4	819974	812664	
						1.0	0.0	193	29.5	8.4	8.4	17.3	17.4	132.6	132.4	9.1		3.1		4				
					Middle	2.8	0.1	168	-	-	-	-	-	-	-	-		-		-				-
						2.8	0.1	170	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.6	-	172	27.6	8.1	8.1	24.0	23.9	76.8	78.1	5.3		5.2		4				
						4.6	0.1	168	27.7	8.1	8.1	23.8	23.9	79.3	79.3	5.4		5.1		4				
SR2	Fine	Moderate	04:30	5.2	Surface	1.0	0.0	245	29.2	8.5	8.5	17.0	17.0	138.5	138.2	9.6	9.6	2.9	3.3	4	5	821462	814160	
						1.0	0.0	238	29.2	8.5	8.5	17.0	17.0	137.8	138.2	9.5		2.9		3				
					Middle	-	0.1	238	-	-	-	-	-	-	-	-		-		-				
						-	0.1	238	-	-	-	-	-	-	-	-		-		-				
					Bottom	4.2	0.1	255	28.5	8.3	8.3	20.1	20.0	112.5	112.6	7.7		3.8		6				
						4.2	0.1	254	28.5	8.3	8.3	20.0	20.0	112.7	112.6	7.8		3.8		5				
SR3	Fine	Moderate	05:28	8.2	Surface	1.0	0.2	338	29.7	8.5	8.5	13.9	13.9	95.6	95.6	6.7	5.3	2.7	3.4	4	5	822167	807557	
						1.0	0.2	340	29.7	8.5	8.5	13.9	13.9	95.6	95.6	6.7		2.7		5				
					Middle	4.1	0.3	329	26.8	7.9	7.9	23.0	23.1	53.8	53.9	3.8		3.1		5				
						4.1	0.2	324	26.8	7.9	7.9	23.2	23.1	54.0	53.9	3.8		3.2		5				
					Bottom	7.2	0.2	354	25.8	7.9	7.9	26.7	26.7	44.2	44.5	3.1		4.3		5				
						7.2	0.2	0	25.8	7.9	7.9	26.7	26.7	44.7	44.5	3.1		4.6		6				
SR4A	Fine	Moderate	04:07	8.0	Surface	1.0	0.0	134	28.0	8.1	8.1	19.2	19.2	77.0	77.0	5.4	3.9	4.8	7.0	7	8	817166	807793	
						1.0	0.0	133	28.0	8.1	8.1	19.2	19.2	76.9	77.0	5.4		4.9		8				
					Middle	4.0	0.1	122	25.8	7.9	7.9	26.8	26.8	34.1	34.1	2.4		7.3		8				
						4.0	0.1	123	25.8	7.9	7.9	26.8	26.8	34.1	34.1	2.4		7.3		7				
					Bottom	7.0	0.0	129	25.6	7.9	7.9	27.7	27.7	32.9	33.0	2.3		8.9		9				
						7.0	0.0	132	25.6	7.9	7.9	27.7	27.7	33.1	33.0	2.3		9.0		8				
SR8	Fine	Calm	05:15	5.0	Surface	1.0	-	-	29.3	8.4	8.4	17.9	17.9	130.3	130.0	9.0	9.0	3.7	4.7	4	4	820409	811628	
						1.0	-	-	29.1	8.4	8.4	18.0	18.0	129.7	130.0	8.9		3.8		4				
					Middle	-	-	-	-	-	-	-	-	-	-	-		-		-				
						-	-	-	-	-	-	-	-	-	-	-		-		-				
					Bottom	4.0	-	-	28.4	8.3	8.3	20.9	21.0	114.3	113.7	7.8		5.7		4				
						4.0	-	-	28.4	8.3	8.3	21.1	21.0	113.1	113.7	7.8		5.7		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 28 July 22 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	12:46	7.6	Surface	1.0	0.6	197	30.3	30.3	8.2	8.2	19.9	19.9	87.4	86.2	5.9	4.8	5.8	6.8	2	3	815616	804260										
						1.0	0.5	189	30.3	8.2	8.2	19.9	19.9	84.9	86.2	5.7	5.7																	
					Middle	3.8	0.6	231	27.4	27.4	8.0	8.0	26.6	26.6	54.2	53.9	3.7		6.7															
						3.8	0.7	233	27.4	27.4	8.0	8.0	26.6	26.6	53.5	53.9	3.7		6.8															
					Bottom	6.6	0.6	189	25.7	25.8	7.9	7.9	32.0	32.0	42.5	42.6	2.9		7.9															
						6.6	0.6	184	25.8	25.8	7.9	7.9	32.0	32.0	42.7	42.6	2.9		7.8															
					C2	Sunny	Moderate	11:39	10.6	Surface	1.0	0.7	157	29.2	29.2	8.2	8.2		18.6		18.5				88.8	88.7	6.1	5.4	3.5	4.3	3	3	825684	806956
											1.0	0.6	161	29.2	29.2	8.2	8.2		18.5		18.5				88.5	88.7	6.1		3.5					
Middle	5.3	0.6	181	28.3						28.3	8.0	8.0	22.2	22.2	67.2	67.0	4.6	4.1																
	5.3	0.7	184	28.3						28.3	8.0	8.0	22.2	22.2	66.8	67.0	4.6	4.1																
Bottom	9.6	0.7	174	26.0						26.1	8.0	8.0	30.1	30.0	61.4	62.7	4.2	5.2																
	9.6	0.7	171	26.1						26.1	8.0	8.0	29.9	30.0	63.9	62.7	4.4	5.2																
C3	Fine	Moderate	12:44	9.8						Surface	1.0	0.4	59	28.3	28.3	8.2	8.2	21.3	21.3	95.0	94.9	6.6	5.9	3.7	6.2	3	3		822091		817783			
											1.0	0.4	56	28.3	28.3	8.2	8.2	21.3	21.3	94.8	94.9	6.6		3.6										
					Middle	4.9	0.4	55	26.8	26.8	8.2	8.2	24.6	24.6	75.4	75.0	5.3	5.2																
						4.9	0.4	61	26.8	26.8	8.2	8.2	24.6	24.6	74.6	75.0	5.2	5.1																
					Bottom	8.8	0.4	60	25.5	25.5	8.1	8.1	27.9	27.9	59.3	59.5	4.2	9.7																
						8.8	0.4	60	25.5	25.5	8.1	8.1	27.9	27.9	59.6	59.5	4.2	9.8																
					IM1	Sunny	Moderate	12:30	7.2	Surface	1.0	0.4	199	28.5	28.5	8.1	8.1	22.0	22.1	74.8	74.2	5.1		4.0		7.2		8.2		2		3	818331	806461
											1.0	0.4	202	28.5	28.5	8.1	8.1	22.1	22.1	73.6	74.2	5.1				7.1								
Middle	3.6	0.4	171	26.0						26.0	7.9	7.9	30.6	30.6	41.0	41.1	2.8	8.4																
	3.6	0.4	173	26.0						26.0	7.9	7.9	30.6	30.6	41.2	41.1	2.8	8.5																
Bottom	6.2	0.4	172	25.8						25.8	7.9	7.9	31.7	31.7	42.3	42.5	2.9	9.1																
	6.2	0.4	166	25.8						25.8	7.9	7.9	31.7	31.7	42.6	42.5	2.9	9.0																
IM2	Sunny	Moderate	12:25	7.0						Surface	1.0	0.5	192	29.3	29.3	8.3	8.3	20.6	20.6	87.2	86.1	6.0	4.7		6.4	7.2	3		3	819206	806228			
											1.0	0.5	185	29.3	29.3	8.3	8.3	20.6	20.6	85.0	86.1	5.8			6.4									
					Middle	3.5	0.4	201	27.4	27.5	8.0	8.0	25.9	25.9	52.5	52.2	3.6	7.1																
						3.5	0.4	193	27.5	27.5	8.0	8.0	25.8	25.8	51.8	52.2	3.5	7.1																
					Bottom	6.0	0.4	200	26.2	26.2	7.9	7.9	30.4	30.4	43.8	44.0	3.0	8.1																
						6.0	0.5	193	26.2	26.2	7.9	7.9	30.4	30.4	44.2	44.0	3.0	8.0																
					IM7	Sunny	Moderate	12:04	8.0	Surface	1.0	0.3	162	30.0	30.0	8.2	8.2	16.9	16.9	92.2	91.7	6.4		5.3	2.2		3.5	3				3	821367	806833
											1.0	0.3	168	30.0	30.0	8.2	8.2	16.9	16.9	91.1	91.7	6.3			2.1									
Middle	4.0	0.3	182	27.6						27.6	8.0	8.0	23.6	23.6	60.5	60.4	4.2	3.4																
	4.0	0.3	189	27.6						27.6	8.0	8.0	23.6	23.6	60.3	60.4	4.2	3.5																
Bottom	7.0	0.3	177	27.4						27.4	8.0	8.0	26.0	26.0	56.0	56.1	3.8	4.9																
	7.0	0.3	175	27.4						27.4	8.0	8.0	26.0	26.0	56.1	56.1	3.8	4.9																

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Expansion of Hong Kong International Airport into a Three-Runway System**Water Quality Monitoring****Water Quality Monitoring Results on 28 July 22 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	11:23	7.8	Surface	1.0	0.6	91	28.9	28.9	8.1	8.1	16.9	16.9	93.3	93.2	6.6	6.5	4.3	5.3	3	3	822261	809819
						1.0	0.6	93	28.9	8.1	8.1	16.9	16.9	93.1	93.2	6.5								
					Middle	3.9	0.6	96	28.9	8.2	8.2	18.3	18.3	93.6	93.5	6.5								
						3.9	0.6	93	28.9	8.2	8.2	18.3	18.3	93.4	93.5	6.5								
					Bottom	6.8	0.6	94	27.8	7.9	7.9	21.6	21.6	61.1	61.3	4.3								
						6.8	0.6	91	27.8	7.9	7.9	21.6	21.6	61.5	61.3	4.3								
IM11	Fine	Moderate	11:42	8.6	Surface	1.0	0.7	86	29.3	29.3	8.2	8.2	16.4	16.4	97.5	97.4	6.8	5.7	4.3	6.3	3	821504	810554	
						1.0	0.7	86	29.3	8.2	8.2	16.4	16.4	97.3	97.4	6.8								
					Middle	4.3	0.7	97	27.8	8.0	8.0	20.9	20.9	66.5	66.4	4.7								
						4.3	0.6	92	27.7	8.0	8.0	20.9	20.9	66.3	66.4	4.6								
					Bottom	7.6	0.7	85	27.2	8.0	8.0	23.5	23.5	60.8	61.1	4.2								
						7.6	0.7	77	27.2	8.0	8.0	23.5	23.5	61.4	61.1	4.3								
IM12	Fine	Moderate	11:47	9.2	Surface	1.0	0.8	90	28.7	28.7	8.2	8.2	17.6	17.6	90.2	90.1	6.3	5.6	4.2	4.8	3	821160	811498	
						1.0	0.8	83	28.6	8.2	8.2	17.6	17.6	89.9	90.1	6.3								
					Middle	4.6	0.7	116	27.8	8.0	8.0	21.2	21.1	69.6	69.6	4.9								
						4.6	0.7	113	27.9	8.0	8.0	21.0	21.0	69.5	69.6	4.9								
					Bottom	8.2	0.8	95	26.5	8.0	8.0	25.5	25.4	60.8	60.9	4.2								
						8.2	0.8	101	26.6	8.0	8.0	25.4	25.4	60.9	60.9	4.2								
SR1A	Fine	Calm	12:13	5.2	Surface	1.0	0.0	99	28.8	28.8	8.2	8.2	18.7	18.7	93.5	93.4	6.5	6.5	5.3	3.3	4	819983	812654	
						1.0	-	102	28.7	8.2	8.2	18.8	18.8	93.3	93.4	6.5								
					Middle	2.6	0.1	92	-	-	-	-	-	-	-	-								
						2.6	0.1	94	-	-	-	-	-	-	-	-								
					Bottom	4.2	0.0	110	28.0	8.1	8.1	21.7	21.7	76.4	76.3	5.3								
						4.2	0.0	116	27.9	8.1	8.1	21.8	21.7	76.2	76.3	5.3								
SR2	Fine	Moderate	12:26	5.4	Surface	1.0	0.6	54	29.1	29.1	8.3	8.3	17.6	17.6	106.9	106.6	7.5	7.5	5.5	3.3	3	821463	814177	
						1.0	0.7	52	29.0	8.3	8.3	17.6	17.6	106.2	106.6	7.4								
					Middle	-	0.7	65	-	-	-	-	-	-	-	-								
						-	0.6	60	-	-	-	-	-	-	-	-								
					Bottom	4.4	0.6	28	28.0	8.1	8.1	21.1	21.1	78.4	78.4	5.5								
						4.4	0.6	25	28.0	8.1	8.1	21.2	21.1	78.4	78.4	5.5								
SR3	Sunny	Moderate	11:55	8.6	Surface	1.0	0.5	166	29.2	29.2	8.2	8.2	18.1	18.1	87.4	87.2	6.1	5.1	4.3	4.7	3	822144	807551	
						1.0	0.5	170	29.2	8.2	8.2	18.1	18.1	87.0	87.2	6.0								
					Middle	4.3	0.6	171	27.6	8.0	8.0	22.7	22.8	59.1	59.0	4.1								
						4.3	0.6	177	27.6	8.0	8.0	22.8	22.8	58.8	59.0	4.1								
					Bottom	7.6	0.6	143	28.2	8.0	8.0	25.7	25.6	62.0	62.8	4.2								
						7.6	0.6	150	28.2	8.0	8.0	25.5	25.6	63.5	62.8	4.3								
SR4A	Sunny	Moderate	13:09	8.8	Surface	1.0	0.0	53	29.3	29.4	8.2	8.2	21.1	21.1	81.2	80.8	5.5	4.2	3.1	5.4	3	817199	807790	
						1.0	0.0	56	29.4	8.2	8.2	21.0	21.1	80.4	80.8	5.5								
					Middle	4.4	0.0	68	26.6	7.9	7.9	28.3	28.3	42.6	42.7	2.9								
						4.4	0.1	74	26.6	7.9	7.9	28.4	28.3	42.7	42.7	2.9								
					Bottom	7.8	0.1	75	26.4	7.9	7.9	30.3	30.3	44.9	45.1	3.1								
						7.8	0.1	69	26.4	7.9	7.9	30.3	30.3	45.2	45.1	3.1								
SR8	Fine	Calm	11:52	5.3	Surface	1.0	-	-	28.8	28.8	8.1	8.1	18.5	18.5	98.1	97.9	6.8	6.8	6.1	3.5	3	820411	811630	
						1.0	-	-	28.7	8.1	8.1	18.5	18.5	97.7	97.9	6.8								
					Middle	-	-	-	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-									
					Bottom	4.3	-	-	28.3	8.1	8.1	20.6	20.5	87.5	87.5	6.1								
						4.3	-	-	28.3	8.1	8.1	20.5	20.5	87.5	87.5	6.1								

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 28 July 22 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	Value	DA		
C1	Fine	Moderate	05:45	8.5	Surface	1.0	0.3	33	28.6	28.6	8.1	8.1	21.5	21.5	87.2	87.2	6.0	4.8	3.4	6.7	3	815643	804247	
						1.0	0.3	34	28.6	8.1	8.1	21.4	21.4	87.1	87.2	6.0								
					Middle	4.3	0.3	32	26.9	26.9	8.0	8.0	26.4	26.4	53.5	53.4	3.7							4.5
						4.3	0.3	26	26.9	8.0	8.0	26.4	26.4	53.2	53.4	3.6	4.5							
					Bottom	7.5	0.3	24	24.7	24.7	7.9	7.9	34.1	34.1	28.5	28.7	1.9							12.2
						7.5	0.3	26	24.7	7.9	7.9	34.1	34.1	28.8	28.7	2.0	12.3							
C2	Sunny	Moderate	07:07	11.2	Surface	1.0	0.4	344	29.1	29.1	8.2	8.2	18.5	18.5	88.5	88.4	6.1	5.4	3.5	7.0	2	825677	806921	
						1.0	0.3	344	29.0	29.1	8.2	8.2	18.5	18.5	88.3	88.4	6.1							
					Middle	5.6	0.4	337	28.0	28.0	8.1	8.1	22.3	22.3	68.3	68.2	4.7							4.5
						5.6	0.4	340	28.0	8.1	8.1	22.3	22.3	68.1	68.2	4.7	4.7							
					Bottom	10.2	0.3	2	25.5	25.5	8.0	8.0	30.7	30.7	47.4	47.4	3.3							12.9
						10.2	0.3	355	25.5	8.0	8.0	30.7	30.7	47.4	47.4	3.3	12.9							
C3	Fine	Moderate	05:57	10.7	Surface	1.0	0.4	252	27.6	27.6	8.1	8.1	21.0	20.9	94.8	95.0	6.6	6.1	2.1	3.1	3	822131	817801	
						1.0	0.4	253	27.6	27.6	8.1	8.1	20.9	20.9	95.1	95.0	6.7							
					Middle	5.4	0.4	239	26.7	26.7	8.0	8.0	24.5	24.5	80.0	79.7	5.6							2.4
						5.4	0.3	238	26.7	8.0	8.0	24.5	24.5	79.4	79.7	5.5	2.3							
					Bottom	9.7	0.4	269	24.4	24.4	7.9	7.9	29.7	29.7	50.8	51.0	3.6							4.7
						9.7	0.4	272	24.4	7.9	7.9	29.7	29.7	51.1	51.0	3.6	4.8							
IM1	Sunny	Moderate	06:03	6.9	Surface	1.0	0.2	4	28.6	28.6	8.2	8.2	20.0	20.0	91.5	91.5	6.3	4.8	3.8	8.8	3	818362	806453	
						1.0	0.1	358	28.6	28.6	8.2	8.2	20.0	20.0	91.4	91.5	6.3							
					Middle	3.5	0.2	359	26.5	26.5	7.9	7.9	28.1	28.1	47.1	47.2	3.2							10.2
						3.5	0.1	353	26.5	7.9	7.9	28.1	28.1	47.2	47.2	3.2	10.3							
					Bottom	5.9	0.2	4	25.9	25.9	7.8	7.8	30.6	30.6	39.6	39.7	2.7							12.3
						5.9	0.2	4	25.9	7.8	7.8	30.6	30.6	39.7	39.7	2.7	12.3							
IM2	Sunny	Moderate	06:10	7.1	Surface	1.0	0.3	21	28.3	28.3	8.1	8.1	21.7	21.6	78.0	78.0	5.4	4.5	4.7	7.5	2	819172	806229	
						1.0	0.3	21	28.3	8.1	8.1	21.6	21.6	78.0	78.0	5.4								
					Middle	3.6	0.2	20	26.8	26.8	7.9	7.9	27.3	27.3	50.6	50.6	3.5							8.0
						3.6	0.2	20	26.8	7.9	7.9	27.4	27.3	50.5	50.6	3.5	8.1							
					Bottom	6.1	0.3	16	25.9	25.9	7.8	7.8	30.4	30.4	43.2	43.2	2.9							9.8
						6.1	0.3	13	25.9	7.8	7.8	30.4	30.4	43.2	43.2	2.9	9.9							
IM7	Sunny	Moderate	06:38	8.3	Surface	1.0	0.2	355	29.1	29.1	8.2	8.2	18.3	18.3	93.1	92.8	6.4	5.4	3.5	5.6	2	821342	806816	
						1.0	0.2	355	29.1	29.1	8.2	8.2	18.3	18.3	92.4	92.8	6.4							
					Middle	4.2	0.2	351	27.6	27.6	8.0	8.0	24.0	24.0	62.4	62.5	4.3							4.9
						4.2	0.2	358	27.6	8.0	8.0	24.0	24.0	62.5	62.5	4.3	5.1							
					Bottom	7.3	0.2	3	26.7	26.7	8.0	8.0	27.9	27.9	50.4	50.5	3.4							8.2
						7.3	0.2	6	26.7	8.0	8.0	28.0	28.0	50.5	50.5	3.5	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 30 July 22 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	DA					
C1	Cloudy	Rough	14:21	8.8	Surface	1.0	0.6	205	<u>28.7</u>	28.7	8.1	8.1	21.5	21.5	81.0	81.0	5.6	4.4	2.9	5.7	<u><2</u>	<2	815622	804233							
						1.0	0.6	202	<u>28.7</u>		8.1		21.5		81.0		5.6		2.9		<2										
					Middle	4.4	0.6	217	<u>26.7</u>	26.7	7.9	7.9	29.3	29.3	47.6	47.6	3.2	5.5	5.5	<2											
						4.4	0.6	211	<u>26.7</u>		7.9		29.3		47.5		3.2	5.5													
					Bottom	7.8	0.7	215	<u>25.8</u>	25.8	7.9	7.9	31.9	31.9	39.2	39.3	2.7	8.7	8.7	<2											
						7.8	0.7	210	<u>25.8</u>		7.9		31.9		39.4		2.7	8.7													
					C2	Cloudy	Rough	12:37	10.8	Surface	1.0	0.5	169	<u>28.9</u>	28.9	8.1	8.1	22.1	22.1	78.4	78.4	5.4			4.9	1.4	2.8	<u><2</u>	<2	825676	806934
											1.0	0.5	170	<u>28.9</u>		8.1		22.1		78.4		5.3				1.5		<2			
Middle	5.4	0.5	152	<u>28.2</u>						28.2	8.0	8.0	24.3	24.3	65.3	65.3	4.5	2.8	2.8	<2											
	5.4	0.5	148	<u>28.2</u>							8.0		24.3		65.3		4.5	2.8													
Bottom	9.8	0.5	159	<u>27.8</u>						27.8	7.9	7.9	25.8	25.8	53.5	53.6	3.6	4.1	4.1	<2											
	9.8	0.5	165	<u>27.8</u>							7.9		25.8		53.6		3.6	4.0													
C3	Misty	Moderate	14:52	9.0						Surface	1.0	0.3	62	<u>25.8</u>	25.8	8.0	8.0	28.0	28.1	75.0	72.9	5.2	5.0	1.1	1.5	2	2	822130	817814		
											1.0	0.3	60	<u>25.7</u>		8.0		28.1		70.7		4.9		1.1		2					
					Middle	4.5	0.4	52	<u>25.5</u>	25.5	8.0	7.9	28.4	28.4	69.6	69.2	4.9	1.3	1.3	<2											
						4.5	0.4	44	<u>25.5</u>		7.9		28.5		68.8		4.8	1.3													
					Bottom	8.0	0.3	47	<u>25.4</u>	25.4	7.9	7.9	28.6	28.6	73.9	75.1	5.2	2.2	2.2	<2											
						8.0	0.4	41	<u>25.3</u>		7.9		28.7		76.3		5.3	2.2													
					IM1	Cloudy	Moderate	13:49	8.6	Surface	1.0	0.4	181	<u>28.7</u>	28.7	8.1	8.1	21.6	21.6	82.5	82.4	5.7	5.3	3.3	4.6	3	2			818348	806468
											1.0	0.4	182	<u>28.7</u>		8.1		21.6		82.3		5.7		3.3		3					
Middle	4.3	0.4	204	<u>28.1</u>						28.1	8.0	8.0	24.7	24.7	70.2	70.3	4.8	3.7	3.7	2											
	4.3	0.4	207	<u>28.1</u>							8.0		24.8		70.3		4.8	3.7													
Bottom	7.6	0.4	198	<u>26.9</u>						26.9	7.9	7.9	28.9	28.9	50.8	50.8	3.5	6.7	6.7	2											
	7.6	0.4	203	<u>26.9</u>							7.9		28.9		50.8		3.5	6.6	2												
IM2	Cloudy	Moderate	13:43	8.5						Surface	1.0	0.5	208	<u>28.8</u>	28.8	8.1	8.0	21.9	21.9	81.4	81.4	5.6	5.2	3.1	4.3	<2	2	819200	806224		
											1.0	0.5	204	<u>28.8</u>		8.0		21.9		81.3		5.6		3.1		<2					
					Middle	4.3	0.4	205	<u>28.1</u>	28.1	8.0	8.0	25.2	25.2	70.1	70.1	4.8	4.5	4.5	<2											
						4.3	0.4	208	<u>28.0</u>		8.0		25.3		70.0		4.8	4.5													
					Bottom	7.5	0.5	191	<u>26.8</u>	26.9	7.9	7.9	29.0	28.9	52.5	52.6	3.6	5.2	5.2	2											
						7.5	0.5	196	<u>26.9</u>		7.9		28.9		52.7		3.6	5.2	2												
					IM7	Cloudy	Rough	13:14	9.6	Surface	1.0	0.3	165	<u>28.5</u>	28.5	8.0	8.0	22.5	22.4	76.7	76.7	5.3	5.0	3.0	4.2	2	3			821370	806834
											1.0	0.3	168	<u>28.5</u>		8.0		22.4		76.6		5.3		3.0		2					
Middle	4.8	0.3	164	<u>28.3</u>						28.3	8.0	8.0	23.6	23.6	66.5	66.6	4.6	3.2	3.2	3											
	4.8	0.3	163	<u>28.3</u>							8.0		23.6		66.7		4.6	3.2	2												
Bottom	8.6	0.3	150	<u>27.2</u>						27.2	7.9	7.9	27.6	27.6	50.0	50.0	3.4	6.2	6.2	3											
	8.6	0.3	150	<u>27.2</u>							7.9		27.6		50.0		3.4	6.3	3												

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

Water Quality Monitoring

Water Quality Monitoring Results on 30 July 22 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			Value
IM10	Misty	Moderate	12:37	9.0	Surface	1.0	0.6	108	28.3	28.3	8.1	8.1	22.1	22.2	84.3	83.9	5.8	5.6	1.3	1.6	3	2	822230	809814	
						1.0	0.6	111	28.2		8.1		22.2	83.5	5.8	1.3	2								
					Middle	4.5	0.6	114	28.0	28.0	8.1	8.1	22.8	22.9	77.2	77.0	5.3		1.6		2				
						4.5	0.7	110	28.0	8.1	23.0	76.8	5.3	1.6	2										
					Bottom	8.0	0.6	90	28.3	28.3	8.1	8.1	23.3	23.1	77.0	77.9	5.3		5.4		2.0				2
						8.0	0.6	86	28.3	8.1	22.9	78.8	5.4	2.0	2										
IM11	Misty	Moderate	13:20	7.4	Surface	1.0	0.6	99	27.5	27.5	8.0	8.0	23.4	23.5	78.1	77.5	5.4	5.2	1.1	1.2	<2	2	821504	810522	
						1.0	0.6	98	27.5		8.0		23.5	76.9	5.3	1.1	<2								
					Middle	3.7	0.7	77	27.5	27.6	8.0	8.0	23.8	23.8	72.5	72.3	5.0		1.2		<2				
						3.7	0.7	71	27.6	8.0	23.9	72.1	5.0	1.2	<2										
					Bottom	6.4	0.7	117	28.0	28.1	8.0	8.0	23.8	23.8	73.6	74.4	5.0		5.1		1.4				3
						6.4	0.7	115	28.1	8.0	23.7	75.2	5.2	1.4	3										
IM12	Misty	Moderate	13:25	7.2	Surface	1.0	0.8	111	27.4	27.4	8.0	8.0	23.8	23.8	76.0	75.8	5.3	5.2	1.3	1.8	2	2	821165	811537	
						1.0	0.7	116	27.3		8.0		23.9	75.6	5.2	1.3	2								
					Middle	3.6	0.8	101	27.0	27.0	8.0	8.0	24.5	24.6	74.5	74.5	5.2		2.0		<2				
						3.6	0.8	97	26.9	8.0	24.7	74.5	5.2	2.0	<2										
					Bottom	6.2	0.8	107	26.7	26.8	8.0	8.0	25.2	25.0	81.2	82.0	5.7		5.8		2.1				<2
						6.2	0.8	113	26.8	8.0	24.9	82.8	5.8	2.0	<2										
SR1A	Misty	Moderate	13:38	5.0	Surface	1.0	0.0	77	27.0	27.0	7.9	7.9	23.9	23.8	63.2	63.2	4.4	4.4	3.4	3.8	<2	2	819980	812658	
						1.0	0.0	78	27.0		7.9		23.8	63.2	4.4	3.5	<2								
					Middle	2.5	0.0	62	-	-	-	-	-	-	-	-	-		-		-				-
						2.5	0.0	55	-	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.0	0.0	58	27.1	27.2	7.9	7.9	26.3	26.3	63.8	63.9	4.4		4.4		4.1				2
						4.0	0.0	62	27.2	7.9	26.2	63.9	4.4	4.0	2										
SR2	Misty	Moderate	14:13	5.4	Surface	1.0	0.7	44	27.3	27.2	8.0	8.0	22.9	22.9	87.3	87.5	6.1	6.1	2.1	2.6	2	2	821453	814142	
						1.0	0.7	50	27.1		8.0		22.9	87.6	6.1	2.1	2								
					Middle	-	0.7	55	-	-	-	-	-	-	-	-	-		-		-				-
						-	0.7	54	-	-	-	-	-	-	-	-	-		-		-				-
					Bottom	4.4	0.7	43	26.7	26.8	8.0	8.0	25.4	25.4	89.9	90.4	6.2		6.3		3.0				<2
						4.4	0.7	47	26.8	8.0	25.4	90.9	6.3	3.0	<2										
SR3	Cloudy	Rough	13:06	10.1	Surface	1.0	0.5	149	28.6	28.6	8.0	8.0	22.6	22.6	69.6	69.6	4.8	4.4	3.2	4.6	2	2	822162	807581	
						1.0	0.5	143	28.5		8.0		22.6	69.5	4.8	3.3	2								
					Middle	5.1	0.5	158	28.0	28.1	7.9	7.9	24.9	24.9	59.3	59.3	4.0		4.4		3.2				2
						5.1	0.5	162	28.1	7.9	24.9	59.2	4.0	3.2	2										
					Bottom	9.1	0.5	148	27.8	27.8	7.9	7.9	25.9	25.9	56.0	56.1	3.8		3.8		7.4				2
						9.1	0.5	154	27.8	7.9	25.9	56.1	3.8	7.3	2										
SR4A	Cloudy	Moderate	14:54	10.7	Surface	1.0	0.0	350	28.2	28.2	8.0	8.0	23.9	23.9	77.7	77.8	5.3	5.0	3.8	5.3	2	2	817192	807806	
						1.0	0.1	353	28.2		8.0		23.9	77.9	5.3	3.8	2								
					Middle	5.4	0.1	347	28.0	28.0	8.0	8.0	25.1	25.1	68.4	68.3	4.7		5.0		3.6				3
						5.4	0.0	352	28.0	8.0	25.2	68.2	4.6	3.6	2										
					Bottom	9.7	0.1	342	27.1	27.1	7.9	7.9	28.4	28.4	53.3	53.4	3.6		3.6		8.3				2
						9.7	0.0	344	27.1	7.9	28.4	53.4	3.6	8.3	3										
SR8	Misty	Moderate	13:30	4.6	Surface	1.0	-	-	27.1	27.1	7.9	7.9	23.2	23.2	71.0	71.0	5.0	5.0	3.7	4.2	<2	2	820409	811645	
						1.0	-	-	27.0		7.9		23.3	71.0	5.0	3.8	<2								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-
						-	-	-	-	-	-	-	-	-	-	-	-		-		-				-
					Bottom	3.6	-	-	26.9	26.9	7.9	7.9	25.4	25.3	75.1	75.7	5.2		5.3		4.6				2
						3.6	-	-	26.9	7.9	25.3	76.3	5.3	4.7	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

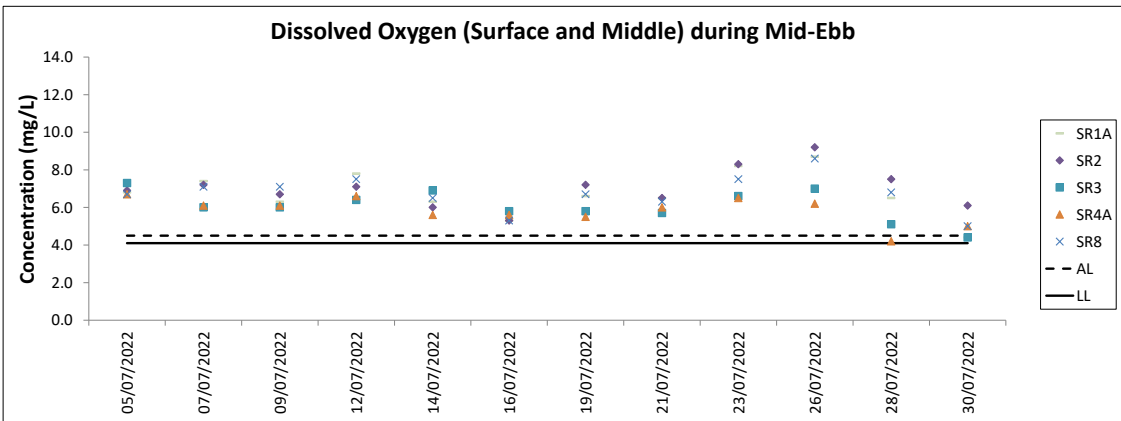
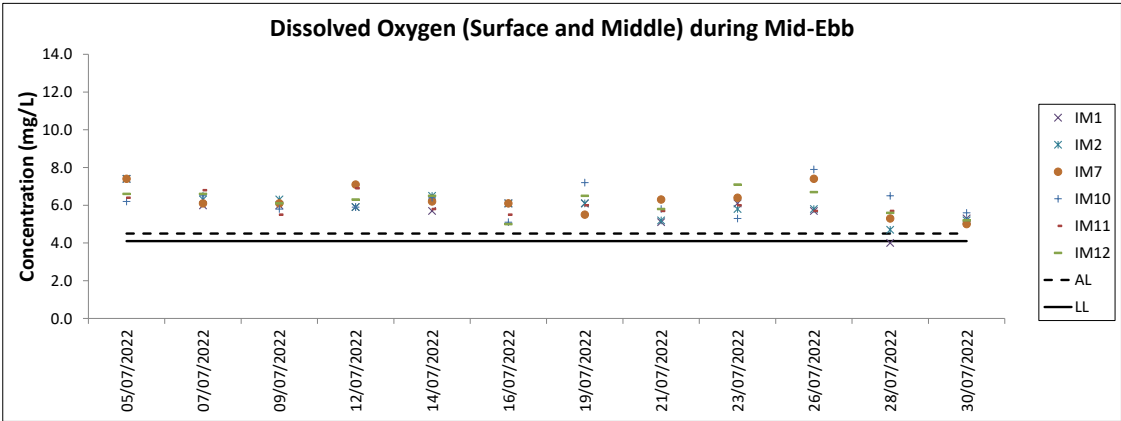
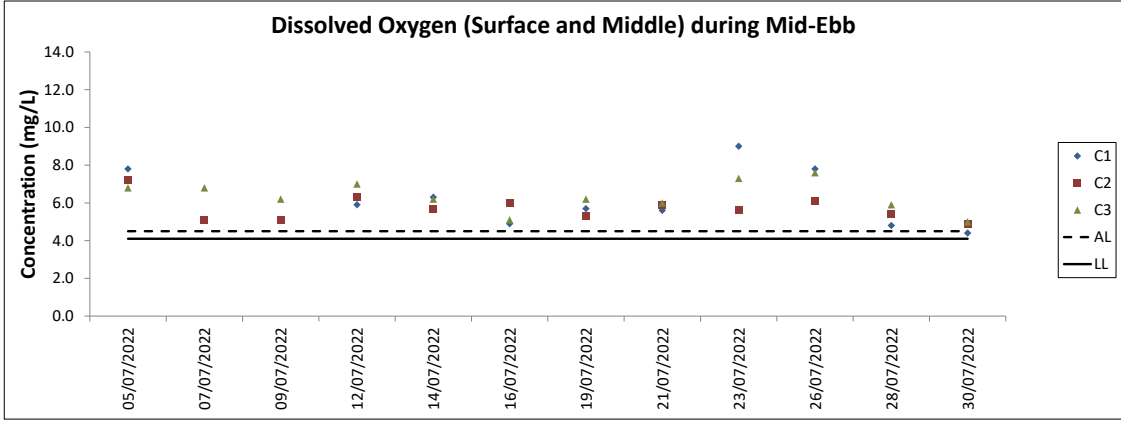
Water Quality Monitoring Results on 30 July 22 during Mid-Flood Tide

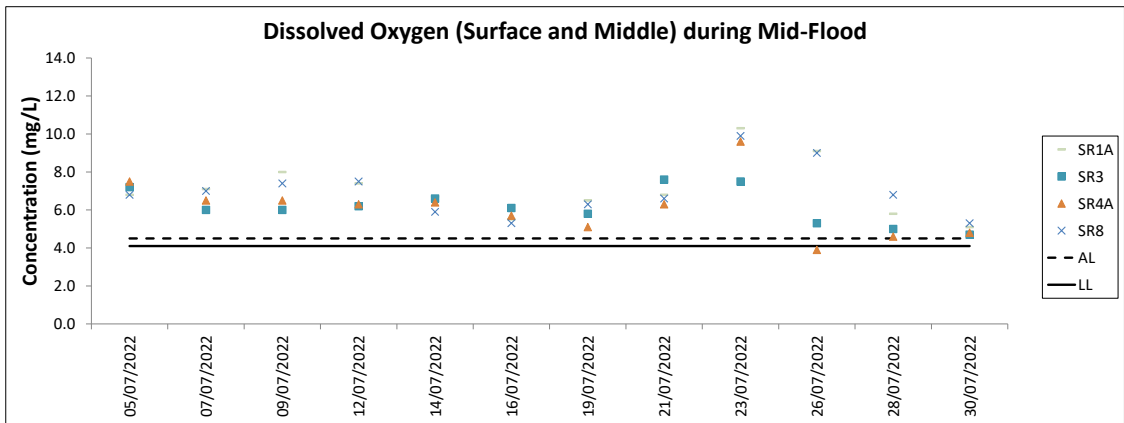
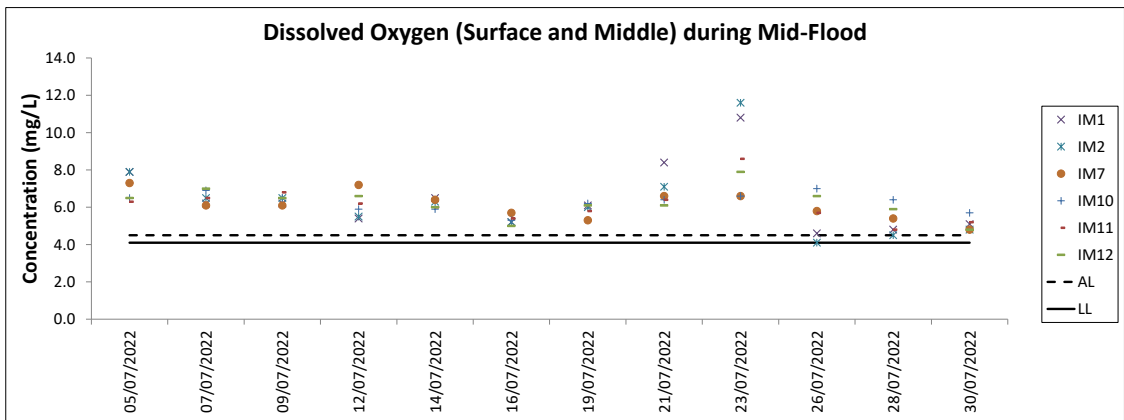
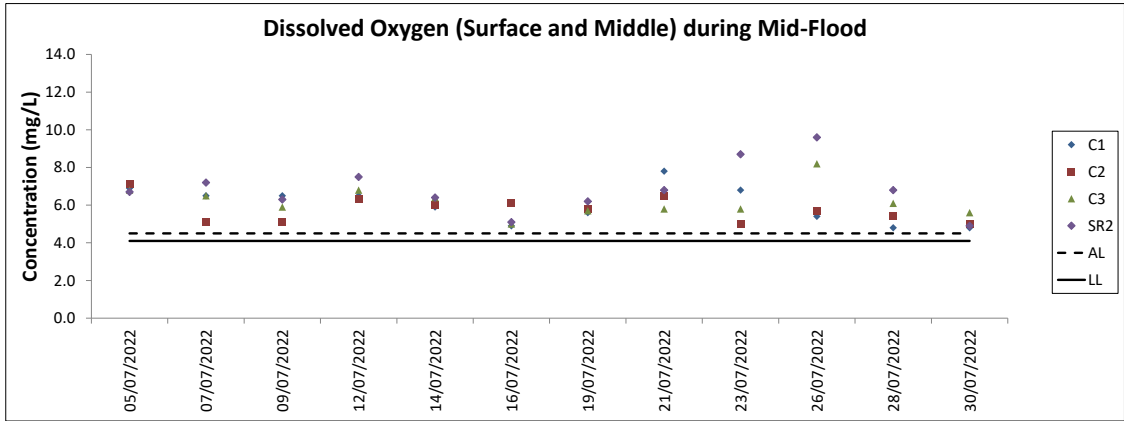
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Fine	Moderate	06:22	7.2	Surface	1.0	0.2	28	28.3	28.3	8.0	8.0	23.9	23.9	74.6	74.6	5.1	4.8	3.3	5.8	<2	2	815632	804230		
						1.0	0.2	28	28.3		8.0		23.9		74.6		5.1		3.4							
					Middle	3.6	0.2	25	27.8	27.8	8.0	8.0	25.9	25.9	63.9	64.1	4.4	3.0	3.9	3.0	10.2	3.0			2	2
						3.6	0.2	18	27.8		8.0		25.9		64.2		4.4		3.9							
					Bottom	6.2	0.2	33	26.1	26.1	7.9	7.9	30.9	30.9	43.3	43.6	2.9	3.0	10.2	3.0	10.2	3.0			2	2
						6.2	0.2	34	26.1		7.9		30.9		43.8		3.0		10.2							
C2	Fine	Moderate	07:53	9.9	Surface	1.0	0.4	340	28.7	28.7	8.0	8.0	22.4	22.4	77.0	77.0	5.3	5.0	2.4	2.7	3	3	825664	806967		
						1.0	0.4	342	28.7		8.0		22.4		76.9		5.3		2.4							
					Middle	5.0	0.5	7	28.2	28.2	8.0	8.0	24.0	24.0	67.8	67.8	4.6	4.2	2.8	4.2	2.9	4.2			2	2
						5.0	0.5	3	28.2		8.0		24.0		67.8		4.6		2.8							
					Bottom	8.9	0.5	333	27.9	27.9	7.9	7.9	25.2	25.2	62.1	62.2	4.2	4.2	2.9	4.2	2.9	4.2			2	2
						8.9	0.4	338	27.9		7.9		25.2		62.2		4.2		2.9							
C3	Misty	Moderate	07:32	8.0	Surface	1.0	0.5	258	28.0	28.0	8.1	8.1	21.8	21.8	85.2	85.1	5.9	5.6	1.0	1.1	2	2	822116	817789		
						1.0	0.4	262	28.0		8.1		21.8		84.9		5.9		1.1							
					Middle	4.0	0.5	274	27.9	28.0	8.1	8.1	22.2	22.3	75.7	75.5	5.2	5.2	1.1	5.2	1.3	5.2			2	2
						4.0	0.5	275	28.0		8.1		22.3		75.2		5.2		1.1							
					Bottom	7.0	0.5	256	28.1	28.2	8.1	8.1	24.0	23.9	75.1	76.4	5.1	5.2	1.3	5.2	1.2	5.2			2	2
						7.0	0.6	251	28.2		8.1		23.8		77.6		5.3		1.2							
IM1	Fine	Moderate	06:46	7.8	Surface	1.0	0.2	18	28.7	28.7	8.1	8.1	22.9	23.0	81.3	81.2	5.5	5.1	2.8	3.9	<2	2	818330	806475		
						1.0	0.2	22	28.7		8.1		23.0		81.1		5.5		2.8							
					Middle	3.9	0.2	30	27.9	27.9	8.0	8.0	26.5	26.5	68.7	68.6	4.7	4.6	2.7	4.6	2.8	4.6			2	2
						3.9	0.2	25	27.9		8.0		26.5		68.4		4.6		2.8							
					Bottom	6.8	0.2	6	26.8	26.8	8.0	8.0	29.4	29.4	52.2	52.3	3.5	3.5	6.1	3.5	6.1	3.5			2	2
						6.8	0.2	4	26.8		8.0		29.4		52.3		3.5		6.1							
IM2	Fine	Moderate	06:53	7.1	Surface	1.0	0.2	9	28.2	28.2	8.0	8.0	24.9	24.9	74.7	74.8	5.1	4.8	2.9	3.2	<2	2	819163	806223		
						1.0	0.3	4	28.2		8.0		24.9		74.9		5.1		2.9							
					Middle	3.6	0.2	12	28.0	28.0	8.0	8.0	25.7	25.7	65.2	65.2	4.4	4.4	3.3	4.4	3.3	4.4			<2	2
						3.6	0.2	7	28.0		8.0		25.7		65.2		4.4		3.3							
					Bottom	6.1	0.3	338	27.5	27.5	7.9	7.9	27.0	27.1	57.1	57.0	3.9	3.9	3.4	3.9	3.4	3.9			3	3
						6.1	0.3	339	27.5		7.9		27.1		56.9		3.9		3.5							
IM7	Fine	Moderate	07:21	7.9	Surface	1.0	0.1	346	28.7	28.7	8.0	8.0	21.4	21.4	78.2	78.0	5.4	4.8	3.3	4.8	2	2	821355	806846		
						1.0	0.2	353	28.7		8.0		21.5		77.8		5.3		3.3							
					Middle	4.0	0.2	327	28.0	28.0	7.9	7.9	25.1	25.1	61.7	61.7	4.2	4.2	3.4	4.2	3.3	4.2			2	2
						4.0	0.2	322	28.0		7.9		25.0		61.7		4.2		3.3							
					Bottom	6.9	0.2	348	27.3	27.3	7.9	7.9	27.4	27.4	52.9	53.0	3.6	3.6	7.7	3.6	7.7	3.6			2	2
						6.9	0.2	344	27.3		7.9		27.4		53.0		3.6		7.7							

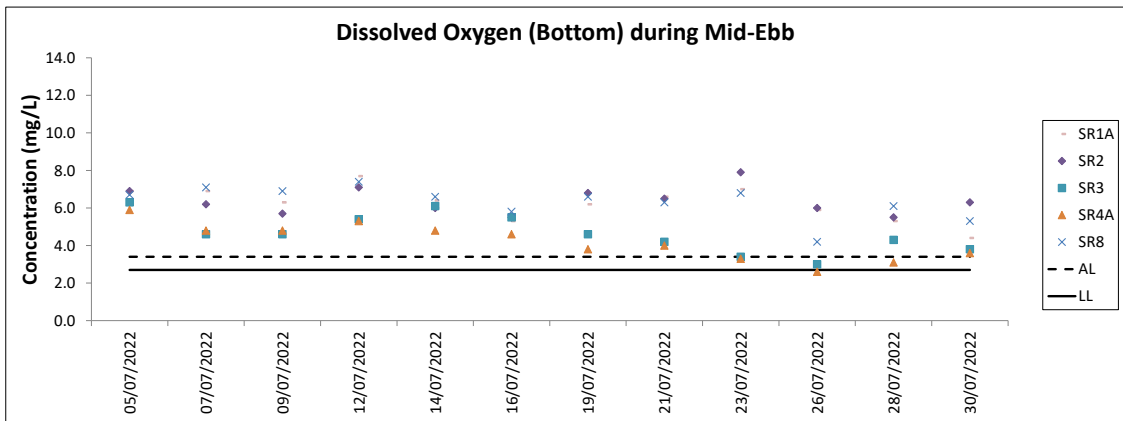
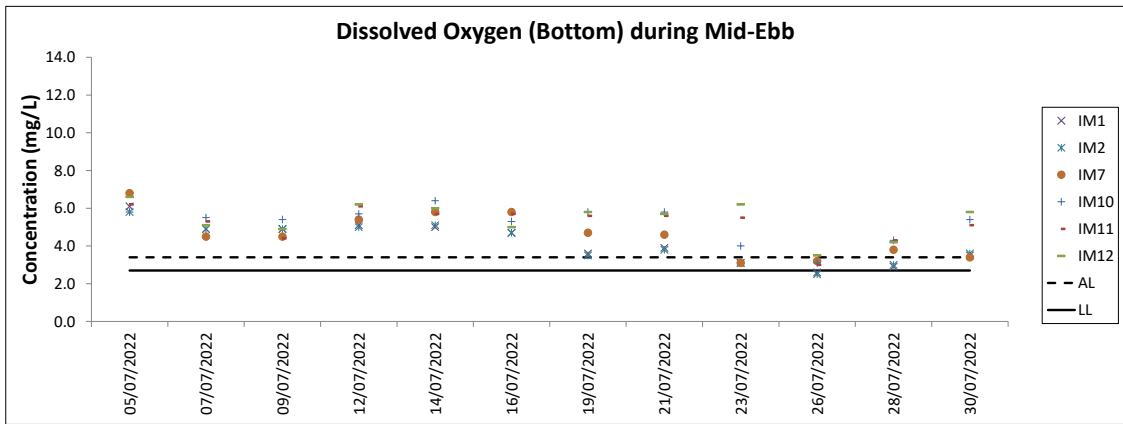
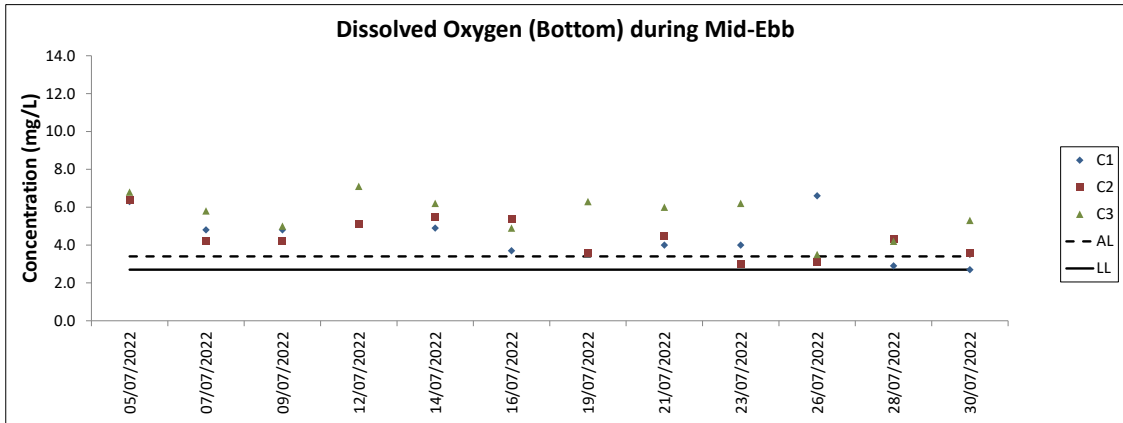
DA: Depth-Averaged

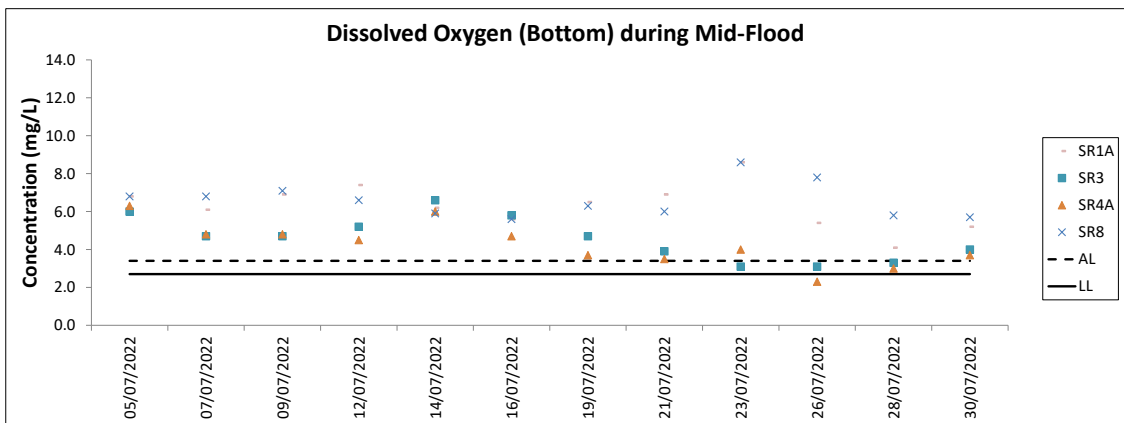
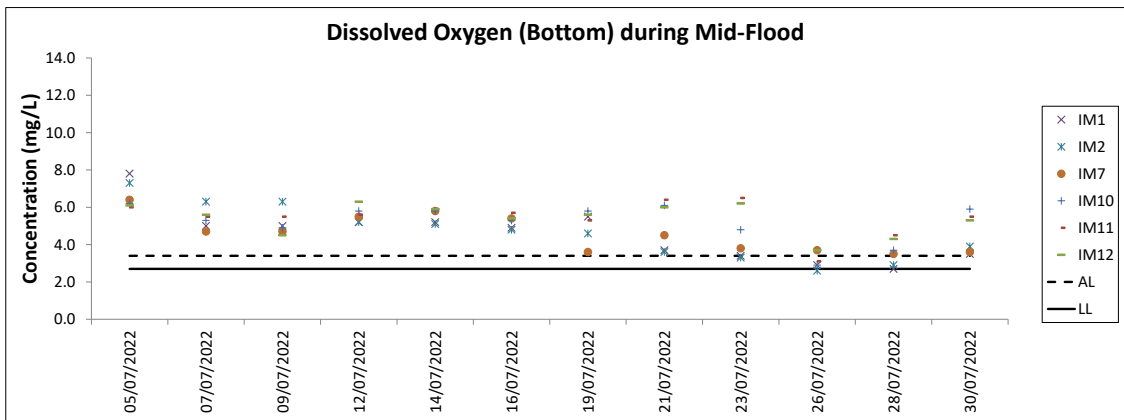
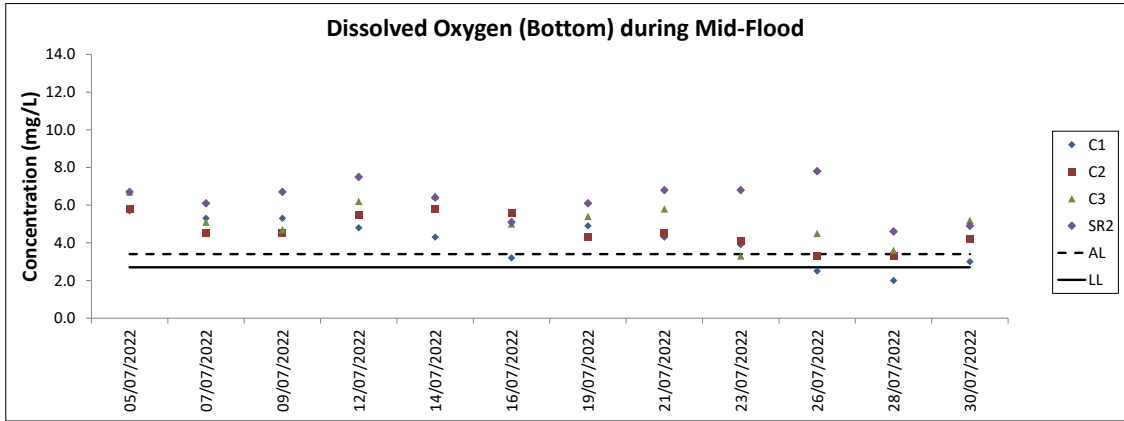
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

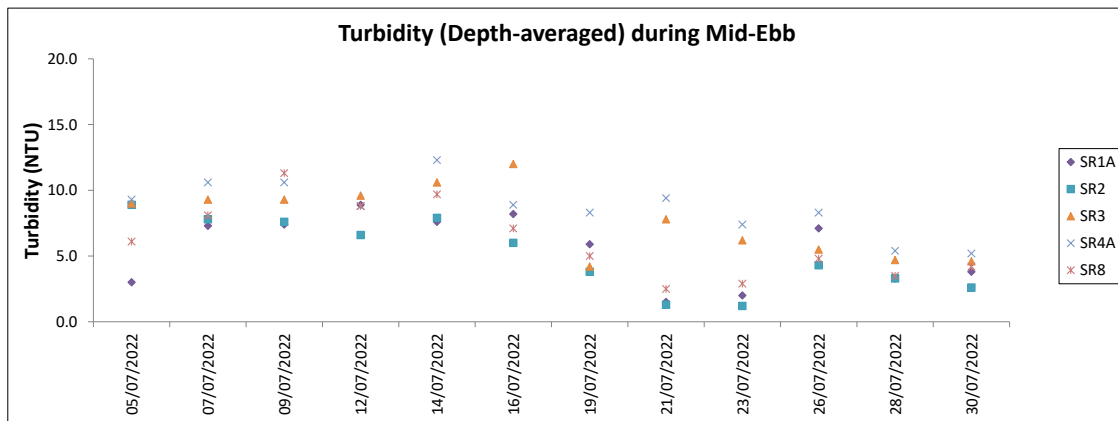
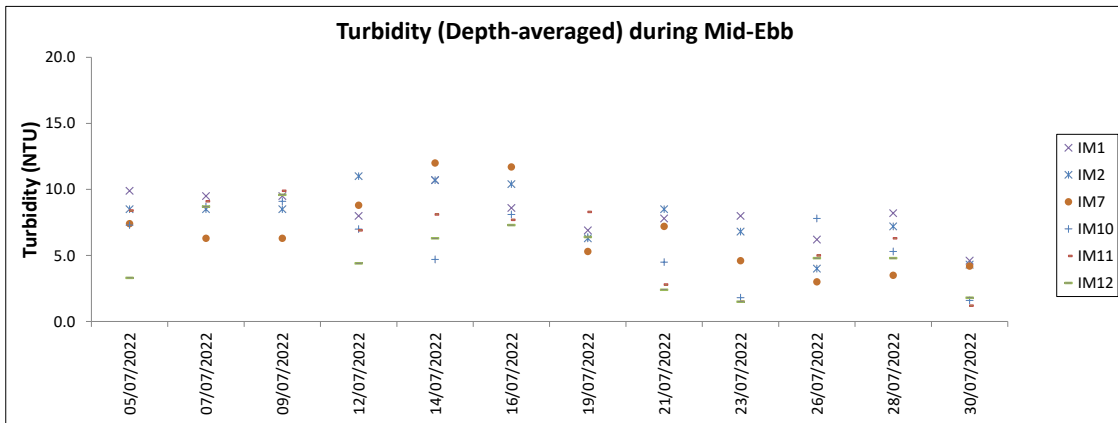
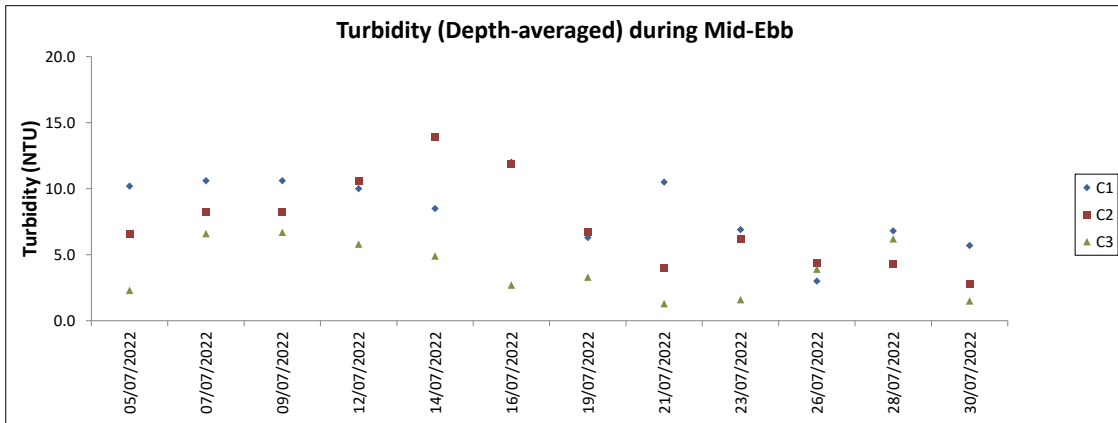
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**



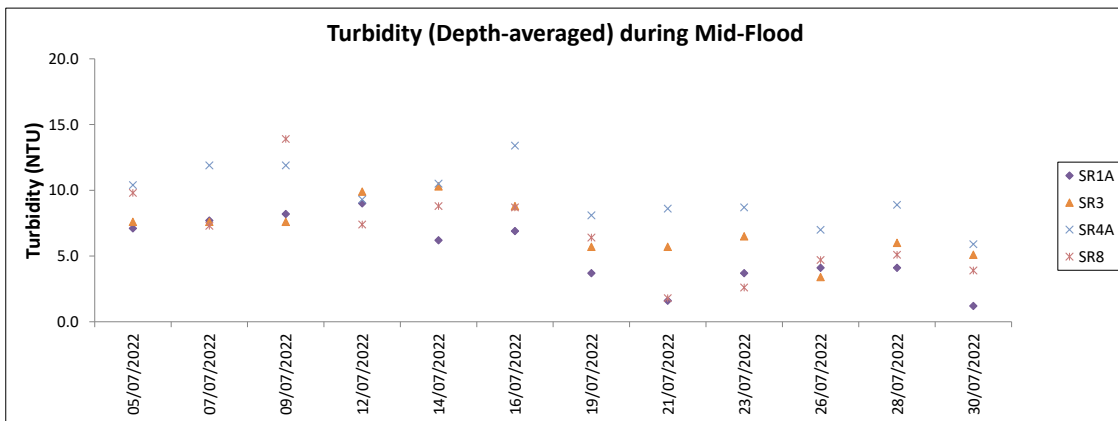
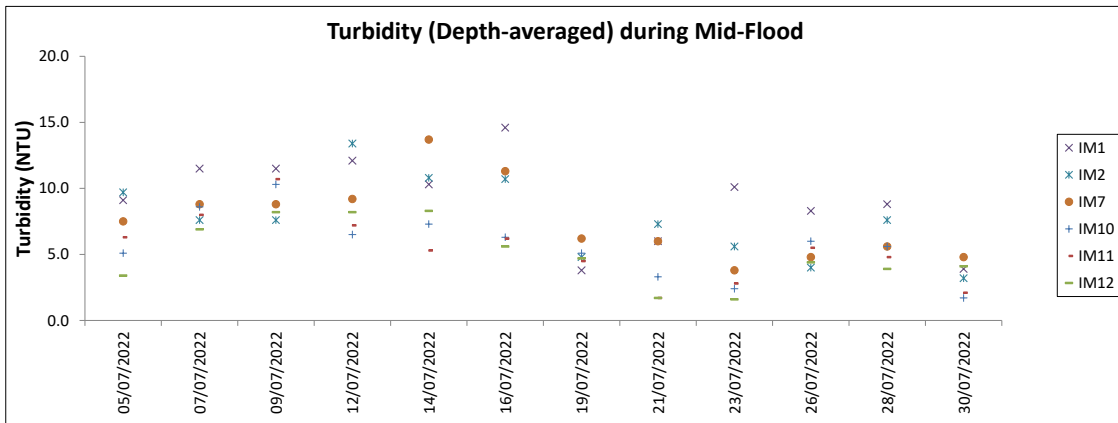
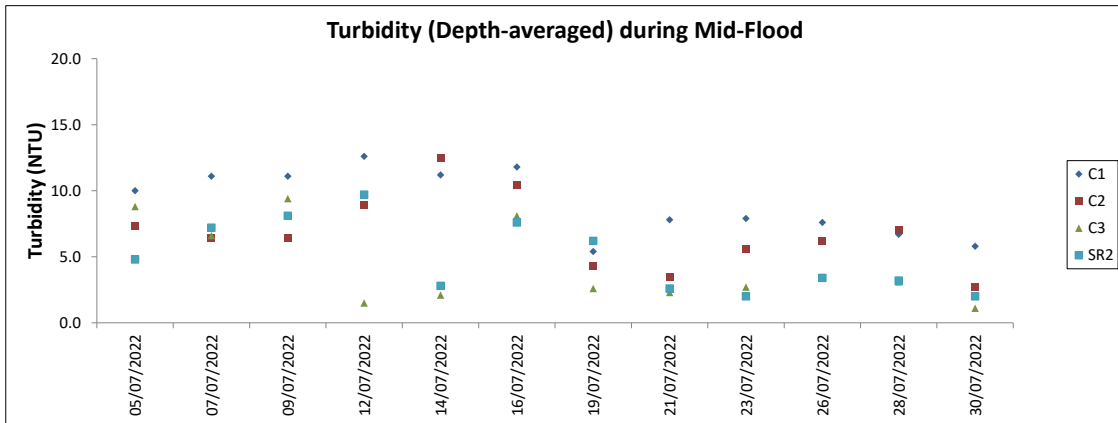




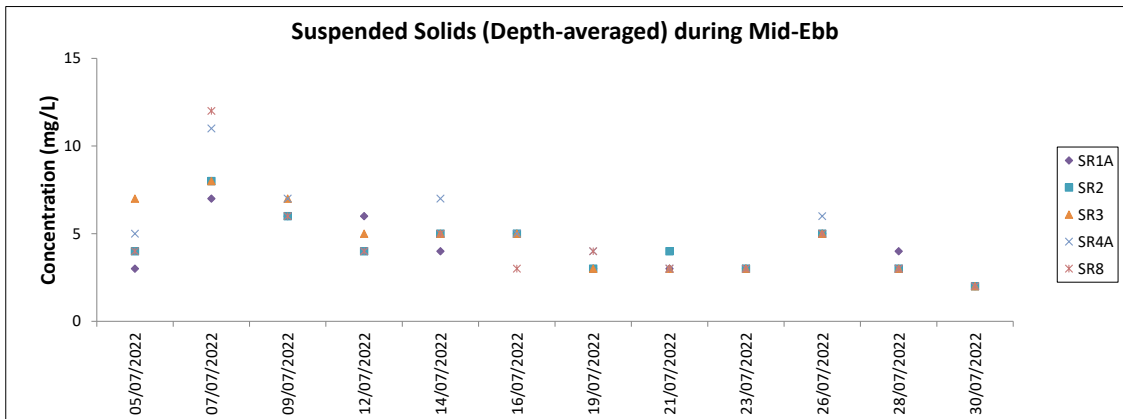
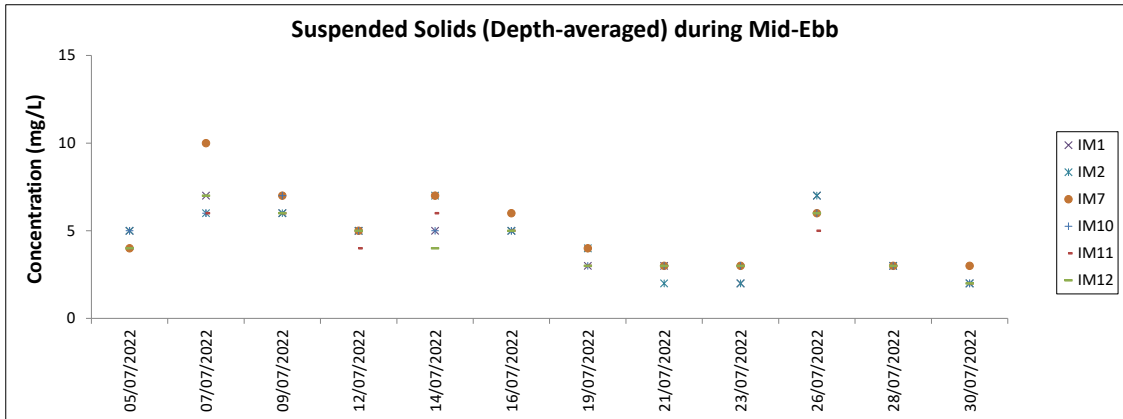
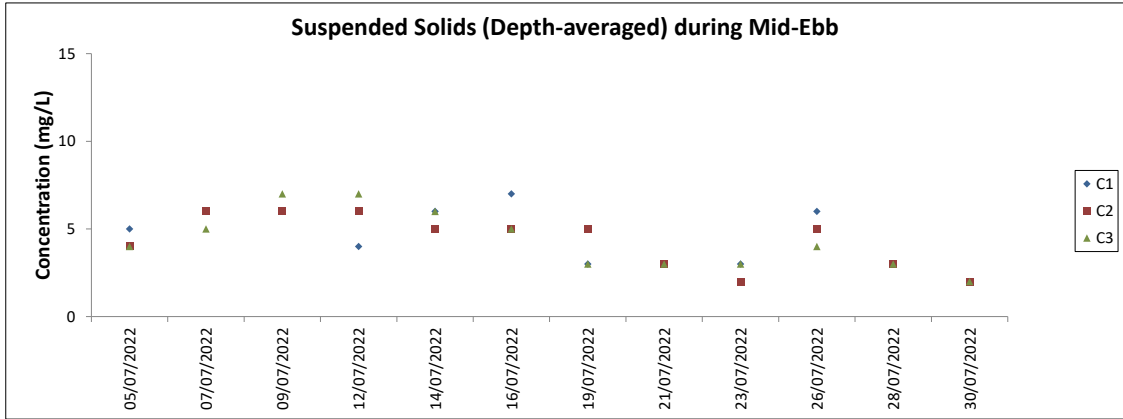




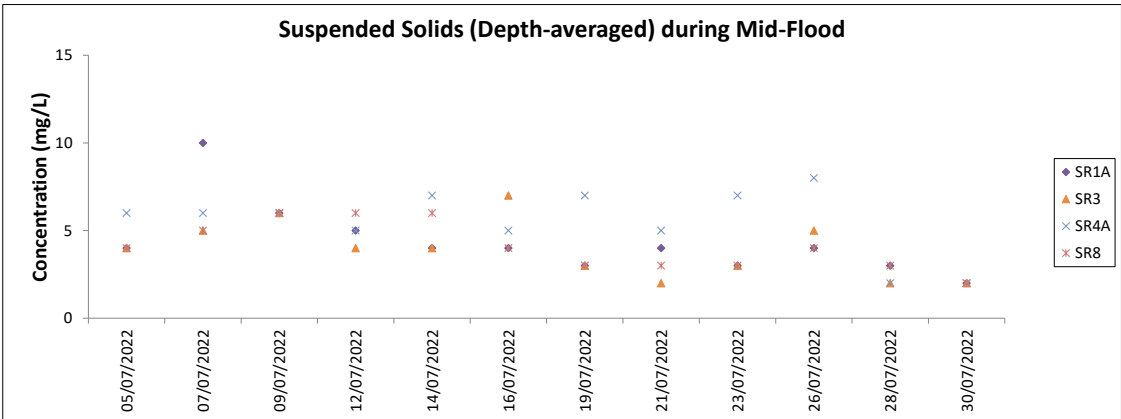
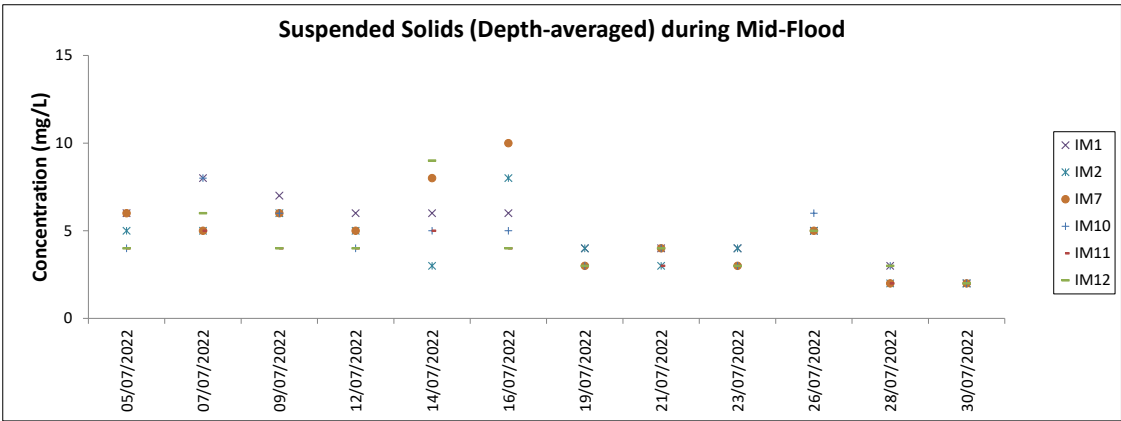
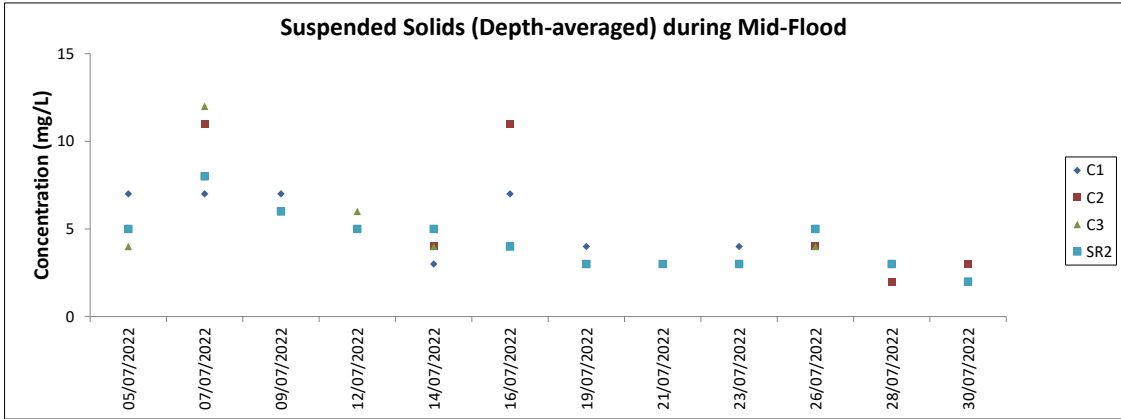
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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
05-May-22	AW	2	2.920	SPRING	32166	3RS ET	P
05-May-22	AW	3	2.000	SPRING	32166	3RS ET	P
05-May-22	WL	2	5.195	SPRING	32166	3RS ET	P
05-May-22	WL	3	9.037	SPRING	32166	3RS ET	P
05-May-22	WL	4	2.510	SPRING	32166	3RS ET	P
05-May-22	WL	2	3.705	SPRING	32166	3RS ET	S
05-May-22	WL	3	4.821	SPRING	32166	3RS ET	S
05-May-22	WL	4	0.950	SPRING	32166	3RS ET	S
06-May-22	AW	2	2.930	SPRING	32166	3RS ET	P
06-May-22	AW	3	1.880	SPRING	32166	3RS ET	P
06-May-22	WL	2	6.666	SPRING	32166	3RS ET	P
06-May-22	WL	3	6.387	SPRING	32166	3RS ET	P
06-May-22	WL	2	3.577	SPRING	32166	3RS ET	S
06-May-22	WL	3	1.092	SPRING	32166	3RS ET	S
06-May-22	WL	4	1.192	SPRING	32166	3RS ET	S
10-May-22	NWL	2	12.600	SPRING	32166	3RS ET	P
10-May-22	NWL	3	48.400	SPRING	32166	3RS ET	P
10-May-22	NWL	4	2.200	SPRING	32166	3RS ET	P
10-May-22	NWL	2	3.100	SPRING	32166	3RS ET	S
10-May-22	NWL	3	9.200	SPRING	32166	3RS ET	S
11-May-22	NWL	3	48.600	SPRING	32166	3RS ET	P
11-May-22	NWL	4	15.800	SPRING	32166	3RS ET	P
11-May-22	NWL	3	10.300	SPRING	32166	3RS ET	S
11-May-22	NWL	4	1.000	SPRING	32166	3RS ET	S
16-May-22	NEL	2	28.540	SPRING	32166	3RS ET	P
16-May-22	NEL	3	9.600	SPRING	32166	3RS ET	P
16-May-22	NEL	2	10.460	SPRING	32166	3RS ET	S
17-May-22	NEL	2	31.980	SPRING	32166	3RS ET	P
17-May-22	NEL	3	4.880	SPRING	32166	3RS ET	P
17-May-22	NEL	2	10.340	SPRING	32166	3RS ET	S
27-May-22	SWL	2	21.030	SPRING	32166	3RS ET	P
27-May-22	SWL	3	32.180	SPRING	32166	3RS ET	P
27-May-22	SWL	2	3.980	SPRING	32166	3RS ET	S
27-May-22	SWL	3	12.230	SPRING	32166	3RS ET	S
30-May-22	SWL	2	37.268	SPRING	32166	3RS ET	P
30-May-22	SWL	3	13.317	SPRING	32166	3RS ET	P
30-May-22	SWL	2	10.802	SPRING	32166	3RS ET	S
30-May-22	SWL	3	4.900	SPRING	32166	3RS ET	S
08-Jun-22	NEL	2	33.490	SUMMER	32166	3RS ET	P
08-Jun-22	NEL	3	4.100	SUMMER	32166	3RS ET	P
08-Jun-22	NEL	2	9.710	SUMMER	32166	3RS ET	S
10-Jun-22	NEL	2	8.150	SUMMER	32166	3RS ET	P
10-Jun-22	NEL	3	29.260	SUMMER	32166	3RS ET	P
10-Jun-22	NEL	2	2.100	SUMMER	32166	3RS ET	S
10-Jun-22	NEL	3	8.090	SUMMER	32166	3RS ET	S
13-Jun-22	NWL	3	44.400	SUMMER	32166	3RS ET	P
13-Jun-22	NWL	4	19.600	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Jun-22	NWL	3	8.700	SUMMER	32166	3RS ET	S
13-Jun-22	NWL	4	2.900	SUMMER	32166	3RS ET	S
16-Jun-22	NWL	2	5.000	SUMMER	32166	3RS ET	P
16-Jun-22	NWL	3	56.100	SUMMER	32166	3RS ET	P
16-Jun-22	NWL	4	2.200	SUMMER	32166	3RS ET	P
16-Jun-22	NWL	3	11.300	SUMMER	32166	3RS ET	S
16-Jun-22	NWL	4	1.200	SUMMER	32166	3RS ET	S
21-Jun-22	WL	2	2.300	SUMMER	32166	3RS ET	P
21-Jun-22	WL	3	18.350	SUMMER	32166	3RS ET	P
21-Jun-22	WL	3	10.750	SUMMER	32166	3RS ET	S
21-Jun-22	AW	3	2.840	SUMMER	32166	3RS ET	P
21-Jun-22	AW	4	2.030	SUMMER	32166	3RS ET	P
22-Jun-22	SWL	2	53.159	SUMMER	32166	3RS ET	P
22-Jun-22	SWL	2	14.980	SUMMER	32166	3RS ET	S
23-Jun-22	SWL	2	44.900	SUMMER	32166	3RS ET	P
23-Jun-22	SWL	3	1.800	SUMMER	32166	3RS ET	P
23-Jun-22	SWL	2	11.271	SUMMER	32166	3RS ET	S
23-Jun-22	SWL	3	2.000	SUMMER	32166	3RS ET	S
24-Jun-22	AW	2	4.280	SUMMER	32166	3RS ET	P
24-Jun-22	WL	2	7.205	SUMMER	32166	3RS ET	P
24-Jun-22	WL	3	11.842	SUMMER	32166	3RS ET	P
24-Jun-22	WL	2	2.828	SUMMER	32166	3RS ET	S
24-Jun-22	WL	3	7.080	SUMMER	32166	3RS ET	S
24-Jun-22	SWL	3	3.901	SUMMER	32166	3RS ET	P
24-Jun-22	SWL	3	0.965	SUMMER	32166	3RS ET	S
06-Jul-22	NEL	2	30.220	SUMMER	32166	3RS ET	P
06-Jul-22	NEL	3	6.900	SUMMER	32166	3RS ET	P
06-Jul-22	NEL	2	7.080	SUMMER	32166	3RS ET	S
06-Jul-22	NEL	3	3.200	SUMMER	32166	3RS ET	S
08-Jul-22	AW	2	4.940	SUMMER	32166	3RS ET	P
08-Jul-22	WL	2	8.670	SUMMER	32166	3RS ET	P
08-Jul-22	WL	3	9.126	SUMMER	32166	3RS ET	P
08-Jul-22	WL	4	1.270	SUMMER	32166	3RS ET	P
08-Jul-22	WL	2	3.690	SUMMER	32166	3RS ET	S
08-Jul-22	WL	3	3.935	SUMMER	32166	3RS ET	S
08-Jul-22	WL	4	2.300	SUMMER	32166	3RS ET	S
11-Jul-22	AW	2	5.010	SUMMER	32166	3RS ET	P
11-Jul-22	WL	2	11.940	SUMMER	32166	3RS ET	P
11-Jul-22	WL	3	5.332	SUMMER	32166	3RS ET	P
11-Jul-22	WL	2	5.710	SUMMER	32166	3RS ET	S
11-Jul-22	WL	3	4.068	SUMMER	32166	3RS ET	S
12-Jul-22	SWL	2	21.251	SUMMER	32166	3RS ET	P
12-Jul-22	SWL	3	22.070	SUMMER	32166	3RS ET	P
12-Jul-22	SWL	2	7.492	SUMMER	32166	3RS ET	S
12-Jul-22	SWL	3	5.587	SUMMER	32166	3RS ET	S
12-Jul-22	SWL	4	1.240	SUMMER	32166	3RS ET	S
13-Jul-22	SWL	2	41.213	SUMMER	32166	3RS ET	P
13-Jul-22	SWL	3	6.400	SUMMER	32166	3RS ET	P
13-Jul-22	SWL	2	13.895	SUMMER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Jul-22	SWL	3	1.700	SUMMER	32166	3RS ET	S
15-Jul-22	NWL	2	51.300	SUMMER	32166	3RS ET	P
15-Jul-22	NWL	3	13.500	SUMMER	32166	3RS ET	P
15-Jul-22	NWL	2	9.600	SUMMER	32166	3RS ET	S
15-Jul-22	NWL	3	2.000	SUMMER	32166	3RS ET	S
19-Jul-22	NWL	2	34.900	SUMMER	32166	3RS ET	P
19-Jul-22	NWL	3	29.500	SUMMER	32166	3RS ET	P
19-Jul-22	NWL	2	5.700	SUMMER	32166	3RS ET	S
19-Jul-22	NWL	3	5.700	SUMMER	32166	3RS ET	S
25-Jul-22	NEL	2	32.950	SUMMER	32166	3RS ET	P
25-Jul-22	NEL	3	4.480	SUMMER	32166	3RS ET	P
25-Jul-22	NEL	2	8.410	SUMMER	32166	3RS ET	S
25-Jul-22	NEL	3	0.960	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
05-May-22	1	1014	CWD	6	WL	3	800	ON	3RS ET	22.2777	113.8513	SPRING	PURSE SEINER	S
05-May-22	2	1039	CWD	2	WL	2	91	ON	3RS ET	22.2613	113.8501	SPRING	NONE	P
05-May-22	3	1059	CWD	2	WL	2	165	ON	3RS ET	22.2579	113.8374	SPRING	NONE	S
05-May-22	4	1104	CWD	1	WL	3	192	ON	3RS ET	22.2549	113.8353	SPRING	NONE	S
05-May-22	5	1143	CWD	6	WL	3	192	ON	3RS ET	22.2241	113.8335	SPRING	PURSE SEINER	P
05-May-22	6	1201	CWD	1	WL	3	283	ON	3RS ET	22.2238	113.8234	SPRING	NONE	P
05-May-22	7	1222	CWD	1	WL	3	135	ON	3RS ET	22.2148	113.8345	SPRING	NONE	P
06-May-22	1	1036	CWD	2	WL	2	169	ON	3RS ET	22.2631	113.8562	SPRING	NONE	S
06-May-22	2	1043	CWD	1	WL	2	717	ON	3RS ET	22.2606	113.8529	SPRING	NONE	P
06-May-22	3	1102	CWD	8	WL	2	394	ON	3RS ET	22.2418	113.8436	SPRING	NONE	P
06-May-22	4	1139	CWD	2	WL	2	1	ON	3RS ET	22.2269	113.8376	SPRING	NONE	S
06-May-22	5	1149	CWD	5	WL	2	95	ON	3RS ET	22.2236	113.8340	SPRING	NONE	P
06-May-22	6	1201	CWD	1	WL	3	335	ON	3RS ET	22.2175	113.8195	SPRING	NONE	S
06-May-22	7	1214	CWD	5	WL	3	221	ON	3RS ET	22.2145	113.8246	SPRING	NONE	P
06-May-22	8	1231	CWD	2	WL	3	132	ON	3RS ET	22.2058	113.8358	SPRING	NONE	P
06-May-22	9	1245	CWD	6	WL	3	32	ON	3RS ET	22.1964	113.8374	SPRING	NONE	P
27-May-22	1	1101	FP	1	SWL	3	52	ON	3RS ET	22.1438	113.9277	SPRING	NONE	S
27-May-22	2	1416	CWD	12	SWL	3	582	ON	3RS ET	22.1595	113.8736	SPRING	NONE	S
30-May-22	1	1053	FP	2	SWL	2	100	ON	3RS ET	22.1613	113.9363	SPRING	NONE	P
30-May-22	2	1403	CWD	2	SWL	2	817	ON	3RS ET	22.1782	113.8783	SPRING	NONE	P
30-May-22	3	1512	CWD	1	SWL	3	779	ON	3RS ET	22.1781	113.8497	SPRING	NONE	P
30-May-22	4	1534	CWD	10	SWL	3	145	ON	3RS ET	22.1869	113.8496	SPRING	PURSE SEINER	P
13-Jun-22	1	1214	CWD	3	NWL	3	105	ON	3RS ET	22.3813	113.8885	SUMMER	NONE	P
22-Jun-22	1	1037	FP	3	SWL	2	59	ON	3RS ET	22.1877	113.9363	SUMMER	NONE	P
22-Jun-22	2	1040	FP	11	SWL	2	130	ON	3RS ET	22.1821	113.9364	SUMMER	NONE	P
22-Jun-22	3	1044	FP	2	SWL	2	79	ON	3RS ET	22.1776	113.9364	SUMMER	NONE	P
22-Jun-22	4	1058	FP	3	SWL	2	238	ON	3RS ET	22.1418	113.9330	SUMMER	NONE	S
22-Jun-22	5	1124	FP	2	SWL	2	272	ON	3RS ET	22.1928	113.9273	SUMMER	NONE	P
22-Jun-22	6	1151	FP	4	SWL	2	126	ON	3RS ET	22.1717	113.9189	SUMMER	NONE	S
22-Jun-22	7	1246	CWD	2	SWL	2	573	ON	3RS ET	22.2123	113.8992	SUMMER	NONE	S
22-Jun-22	8	1446	CWD	2	SWL	2	890	ON	3RS ET	22.1927	113.8685	SUMMER	NONE	P
22-Jun-22	9	1508	CWD	1	SWL	2	119	ON	3RS ET	22.1967	113.8588	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
23-Jun-22	1	1124	CWD	1	SWL	2	61	ON	3RS ET	22.2000	113.9276	SUMMER	NONE	P
23-Jun-22	2	1140	CWD	5	SWL	2	80	ON	3RS ET	22.2055	113.9218	SUMMER	NONE	S
23-Jun-22	3	1437	CWD	1	SWL	2	291	ON	3RS ET	22.1739	113.8783	SUMMER	NONE	P
23-Jun-22	4	1457	CWD	1	SWL	2	1334	ON	3RS ET	22.1603	113.8698	SUMMER	NONE	S
23-Jun-22	5	1525	CWD	18	SWL	2	253	ON	3RS ET	22.1991	113.8607	SUMMER	NONE	S
24-Jun-22	1	1140	CWD	1	WL	2	124	ON	3RS ET	22.2142	113.8296	SUMMER	NONE	P
24-Jun-22	2	1151	CWD	2	WL	2	100	ON	3RS ET	22.2141	113.8335	SUMMER	NONE	P
24-Jun-22	3	1223	CWD	2	WL	3	495	ON	3RS ET	22.1986	113.8268	SUMMER	NONE	S
24-Jun-22	4	1237	CWD	11	WL	3	114	ON	3RS ET	22.1962	113.8295	SUMMER	NONE	P
24-Jun-22	5	1316	CWD	7	SWL	3	64	ON	3RS ET	22.1935	113.8498	SUMMER	NONE	P
24-Jun-22	6	1341	CWD	2	SWL	3	61	ON	3RS ET	22.1743	113.8499	SUMMER	NONE	P
24-Jun-22	7	1358	CWD	9	SWL	3	526	ON	3RS ET	22.1862	113.8586	SUMMER	NONE	P
08-Jul-22	1	1100	CWD	1	WL	2	301	ON	3RS ET	22.2417	113.8435	SUMMER	NONE	P
08-Jul-22	2	1148	CWD	7	WL	3	46	ON	3RS ET	22.2152	113.8332	SUMMER	NONE	P
08-Jul-22	3	1209	CWD	3	WL	3	187	ON	3RS ET	22.2104	113.8392	SUMMER	NONE	S
08-Jul-22	4	1242	CWD	13	WL	3	747	ON	3RS ET	22.1956	113.8317	SUMMER	NONE	P
11-Jul-22	1	1037	CWD	5	WL	2	1040	ON	3RS ET	22.2603	113.8451	SUMMER	NONE	P
11-Jul-22	2	1135	CWD	6	WL	3	198	ON	3RS ET	22.2147	113.8204	SUMMER	NONE	S
11-Jul-22	3	1225	CWD	1	WL	3	48	ON	3RS ET	22.1964	113.8289	SUMMER	NONE	S
11-Jul-22	4	1258	CWD	5	WL	3	69	ON	3RS ET	22.1868	113.8383	SUMMER	NONE	P
12-Jul-22	1	1019	CWD	1	SWL	2	78	ON	3RS ET	22.2218	113.9360	SUMMER	PURSE SEINER	P
12-Jul-22	2	1034	CWD	4	SWL	2	2058	ON	3RS ET	22.2081	113.9362	SUMMER	PURSE SEINER	P
12-Jul-22	3	1157	CWD	5	SWL	2	155	ON	3RS ET	22.1945	113.9275	SUMMER	NONE	P
12-Jul-22	4	1220	CWD	3	SWL	2	161	ON	3RS ET	22.2054	113.9230	SUMMER	NONE	S
12-Jul-22	5	1241	CWD	1	SWL	2	N/A	OFF	3RS ET	22.2019	113.9177	SUMMER	NONE	P
12-Jul-22	6	1245	CWD	1	SWL	2	188	ON	3RS ET	22.1950	113.9180	SUMMER	NONE	P
12-Jul-22	7	1345	CWD	1	SWL	2	162	ON	3RS ET	22.1780	113.9049	SUMMER	NONE	S
12-Jul-22	8	1354	CWD	3	SWL	3	1211	ON	3RS ET	22.1789	113.9044	SUMMER	NONE	S
12-Jul-22	9	1425	CWD	1	SWL	2	131	ON	3RS ET	22.1976	113.8969	SUMMER	NONE	P
12-Jul-22	10	1440	CWD	1	SWL	2	48	ON	3RS ET	22.1891	113.8969	SUMMER	NONE	P
12-Jul-22	11	1518	CWD	1	SWL	3	173	ON	3RS ET	22.1612	113.8877	SUMMER	NONE	P
12-Jul-22	12	1537	CWD	3	SWL	3	136	ON	3RS ET	22.1871	113.8872	SUMMER	NONE	P
12-Jul-22	13	1604	CWD	2	SWL	2	809	ON	3RS ET	22.2025	113.8780	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-22	14	1626	CWD	1	SWL	2	255	ON	3RS ET	22.1867	113.8786	SUMMER	NONE	P
12-Jul-22	15	1650	CWD	1	SWL	3	193	ON	3RS ET	22.1642	113.8686	SUMMER	NONE	P
12-Jul-22	16	1705	CWD	1	SWL	3	29	ON	3RS ET	22.1702	113.8686	SUMMER	NONE	P
13-Jul-22	1	1037	FP	3	SWL	2	308	ON	3RS ET	22.1938	113.9367	SUMMER	NONE	P
13-Jul-22	2	1113	FP	4	SWL	2	93	ON	3RS ET	22.1658	113.9276	SUMMER	NONE	P
13-Jul-22	3	1231	CWD	1	SWL	2	141	ON	3RS ET	22.1811	113.9037	SUMMER	NONE	S
13-Jul-22	4	1254	CWD	5	SWL	2	216	ON	3RS ET	22.1973	113.9083	SUMMER	PURSE SEINER	P
13-Jul-22	5	1332	CWD	1	SWL	2	173	ON	3RS ET	22.1813	113.8982	SUMMER	NONE	P
13-Jul-22	6	1350	CWD	4	SWL	2	402	ON	3RS ET	22.1746	113.8972	SUMMER	NONE	P
13-Jul-22	7	1445	CWD	2	SWL	2	161	ON	3RS ET	22.1859	113.8879	SUMMER	NONE	P
13-Jul-22	8	1547	CWD	2	SWL	2	52	ON	3RS ET	22.1617	113.8699	SUMMER	NONE	S
13-Jul-22	9	1610	CWD	1	SWL	2	277	ON	3RS ET	22.1933	113.8677	SUMMER	NONE	P
13-Jul-22	10	1651	CWD	1	SWL	2	89	ON	3RS ET	22.1874	113.8492	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 428.429 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 31 on-effort sightings and total number of 87 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in July 2022 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in July 2022

$$STG = \frac{31}{428.429} \times 100 = 7.24$$

Encounter Rate by Number of Dolphins (ANI) in July 2022

$$ANI = \frac{87}{428.429} \times 100 = 20.31$$

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

A total of 1263.197 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 67 on-effort sightings and total number of 231 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)









$$STG = \frac{67}{1263.197} \times 100 = 5.30$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)









$$ANI = \frac{231}{1263.197} \times 100 = 18.29$$









CWD Small Vessel Line-transect Survey






Photo Identification

	
WLMM177_20220708_1_4	WLMM038_20220708_2_6
	
WLMM052_20220708_2_7	WLMM083_20220708_2_1
	
WLMM176_20220708_2_4_Lower	WLMM178_20220708_2_2
	
WLMM083_20220708_3_2	SLMM074_20220708_4_8

	
WLMM018_20220708_4_1	WLMM003_20220711_1_2
	
WLMM019_20220711_1_2	NLMM058_20220711_2_1
	
SLMM027_20220711_2_1	WLMM081_20220711_2_3
	
WLMM179_20220711_4_1	WLMM180_20220711_4_4

	
WLMM131_20220712_1_12	SLMM002_20220712_2_5
	
SLMM014_20220712_2_1	SLMM037_20220712_2_3
	
NLMM085_20220712_3_1	SLMM002_20220712_4_2
	
WLMM131_20220712_4_6	NLMM085_20220712_6_7

	
SLMM014_20220712_7_4	SLMM029_20220712_8_3
	
SLMM060_20220712_9_1	WLMM047_20220712_10_1
	
WLMM049_20220712_13_1	WLMM076_20220712_13_1
	
NLMM061_20220712_15_3	SLMM014_20220713_3_1

	
SLMM002_20220713_4_1	SLMM050_20220713_4_1
	
NLMM063_20220713_6_2	WLMM003_20220713_7_1
	
WLMM049_20220713_10_4	

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
18-Jul-22	Lung Kwu Chau	8:55	14:55	6:00	2-3	2	0	NA
19-Jul-22	Sha Chau	10:40	16:40	6:00	3	2	0	NA

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