

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

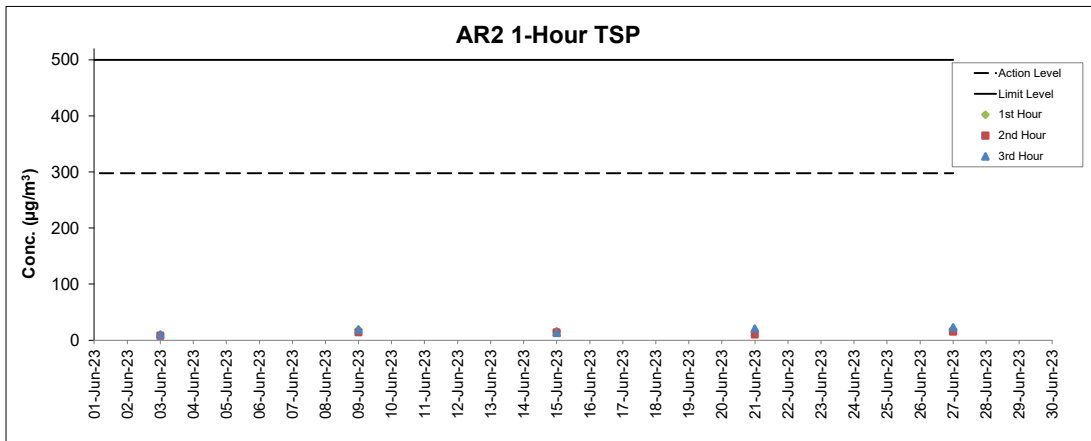
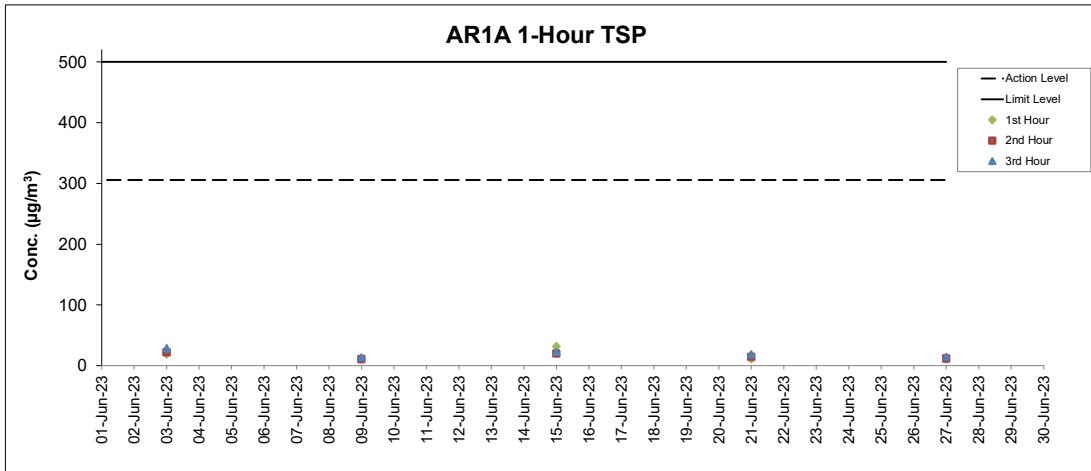
Station: AR1A- Man Tung Road Park

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 ($\mu\text{g}/\text{m}^3$)
3-Jun-23	8:18	Cloudy	1.7	332	19	306	500
3-Jun-23	9:18	Cloudy	3.1	330	22	306	500
3-Jun-23	10:18	Cloudy	2.2	312	29	306	500
9-Jun-23	8:22	Cloudy	1.7	56	11	306	500
9-Jun-23	9:22	Cloudy	1.7	40	11	306	500
9-Jun-23	10:22	Cloudy	2.2	75	14	306	500
15-Jun-23	8:14	Drizzle	3.3	75	32	306	500
15-Jun-23	9:14	Drizzle	2.2	40	20	306	500
15-Jun-23	10:22	Drizzle	3.9	45	23	306	500
21-Jun-23	9:48	Cloudy	4.2	232	11	306	500
21-Jun-23	10:48	Cloudy	5.0	209	15	306	500
21-Jun-23	11:48	Cloudy	6.1	231	19	306	500
27-Jun-23	8:38	Cloudy	3.1	41	11	306	500
27-Jun-23	9:38	Cloudy	3.9	52	12	306	500
27-Jun-23	10:38	Cloudy	3.9	111	15	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
3-Jun-23	12:03	Cloudy	2.8	Variable	10	298	500
3-Jun-23	13:03	Cloudy	2.8	268	8	298	500
3-Jun-23	14:03	Cloudy	5.3	239	10	298	500
9-Jun-23	12:08	Cloudy	3.6	46	19	298	500
9-Jun-23	13:08	Cloudy	2.2	323	14	298	500
9-Jun-23	14:08	Cloudy	1.7	145	19	298	500
15-Jun-23	12:20	Drizzle	2.2	8	16	298	500
15-Jun-23	13:20	Drizzle	2.8	297	14	298	500
15-Jun-23	14:20	Drizzle	3.9	318	13	298	500
21-Jun-23	14:28	Cloudy	7.8	233	15	298	500
21-Jun-23	15:28	Cloudy	8.1	227	10	298	500
21-Jun-23	16:28	Cloudy	7.2	223	21	298	500
27-Jun-23	13:11	Cloudy	3.6	244	20	298	500
27-Jun-23	14:11	Cloudy	5.3	145	15	298	500
27-Jun-23	15:11	Cloudy	5.8	142	23	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 ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
9-Jun-23	Cloudy	9:22	60.5	56.5	62
9-Jun-23	Cloudy	9:27	59.8	56.7	
9-Jun-23	Cloudy	9:32	59.8	56.4	
9-Jun-23	Cloudy	9:37	61.1	57.3	
9-Jun-23	Cloudy	9:42	59.8	56.4	
9-Jun-23	Cloudy	9:47	60.3	56.2	
15-Jun-23	Drizzle	9:03	52.6	49.8	56
15-Jun-23	Drizzle	9:08	53.6	50.2	
15-Jun-23	Drizzle	9:13	52.9	49.9	
15-Jun-23	Drizzle	9:18	53.5	51.0	
15-Jun-23	Drizzle	9:23	54.4	50.7	
15-Jun-23	Drizzle	9:28	53.4	50.6	
21-Jun-23	Cloudy	9:02	60.8	57.2	63
21-Jun-23	Cloudy	9:07	61.0	57.8	
21-Jun-23	Cloudy	9:12	60.6	56.8	
21-Jun-23	Cloudy	9:17	61.2	57.1	
21-Jun-23	Cloudy	9:22	60.9	57.6	
21-Jun-23	Cloudy	9:27	62.0	57.1	
27-Jun-23	Cloudy	8:47	60.9	57.5	63
27-Jun-23	Cloudy	8:52	60.6	57.0	
27-Jun-23	Cloudy	8:57	61.0	57.8	
27-Jun-23	Cloudy	9:02	61.9	57.9	
27-Jun-23	Cloudy	9:07	60.4	57.1	
27-Jun-23	Cloudy	9:12	61.6	57.3	

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 ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
1-Jun-23	Sunny	13:14	61.8	59.2	64
1-Jun-23	Sunny	13:19	61.6	59.3	
1-Jun-23	Sunny	13:24	61.7	59.1	
1-Jun-23	Sunny	13:29	61.0	58.2	
1-Jun-23	Sunny	13:34	62.3	59.4	
1-Jun-23	Sunny	13:39	62.3	60.5	
8-Jun-23	Cloudy	13:26	61.6	57.2	63
8-Jun-23	Cloudy	13:31	64.7	57.8	
8-Jun-23	Cloudy	13:36	61.9	57.5	
8-Jun-23	Cloudy	13:41	61.5	56.6	
8-Jun-23	Cloudy	13:46	61.6	57.3	
8-Jun-23	Cloudy	13:51	62.3	57.4	
16-Jun-23	Cloudy	14:09	61.0	58.0	66*
16-Jun-23	Cloudy	14:14	62.4	58.6	
16-Jun-23	Cloudy	14:19	61.2	58.4	
16-Jun-23	Cloudy	14:24	61.2	58.9	
16-Jun-23	Cloudy	14:29	62.8	60.1	
16-Jun-23	Cloudy	14:34	63.2	61.0	
23-Jun-23	Cloudy	12:45	64.6	62.8	66
23-Jun-23	Cloudy	12:50	64.2	62.7	
23-Jun-23	Cloudy	12:55	65.3	62.9	
23-Jun-23	Cloudy	13:00	65.5	57.7	
23-Jun-23	Cloudy	13:05	60.9	57.3	
23-Jun-23	Cloudy	13:10	61.5	58.1	
29-Jun-23	Sunny	14:04	61.7	58.6	64
29-Jun-23	Sunny	14:09	62.9	59.3	
29-Jun-23	Sunny	14:14	61.3	58.9	
29-Jun-23	Sunny	14:19	63.4	59.3	
29-Jun-23	Sunny	14:24	61.9	59.3	
29-Jun-23	Sunny	14:29	61.8	58.8	

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.

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
9-Jun-23	Cloudy	12:08	64.5	57.5	62*
9-Jun-23	Cloudy	12:13	59.7	56.1	
9-Jun-23	Cloudy	12:18	59.9	56.9	
9-Jun-23	Cloudy	12:23	60.4	56.7	
9-Jun-23	Cloudy	12:28	60.1	57.0	
9-Jun-23	Cloudy	12:33	62.2	58.4	
15-Jun-23	Drizzle	11:33	61.8	57.8	61*
15-Jun-23	Drizzle	11:38	61.5	57.2	
15-Jun-23	Drizzle	11:43	60.5	56.6	
15-Jun-23	Drizzle	11:48	62.0	56.8	
15-Jun-23	Drizzle	11:53	60.3	57.1	
15-Jun-23	Drizzle	11:58	61.8	57.5	
21-Jun-23	Cloudy	13:08	60.9	57.1	61*
21-Jun-23	Cloudy	13:13	61.5	57.7	
21-Jun-23	Cloudy	13:18	61.8	57.4	
21-Jun-23	Cloudy	13:23	60.6	57.7	
21-Jun-23	Cloudy	13:28	62.1	57.2	
21-Jun-23	Cloudy	13:33	60.6	56.9	
27-Jun-23	Cloudy	12:12	60.2	56.6	61*
27-Jun-23	Cloudy	12:17	61.0	56.6	
27-Jun-23	Cloudy	12:22	62.0	56.6	
27-Jun-23	Cloudy	12:27	60.2	56.6	
27-Jun-23	Cloudy	12:32	60.9	58.1	
27-Jun-23	Cloudy	12:37	62.0	58.0	

Remarks:

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

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

Noise Measurement Results

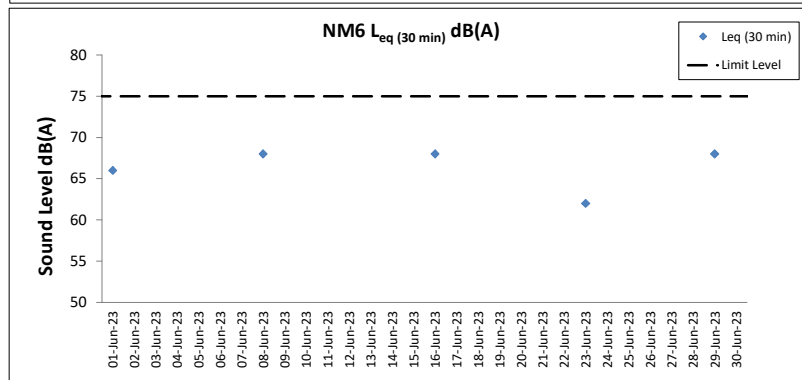
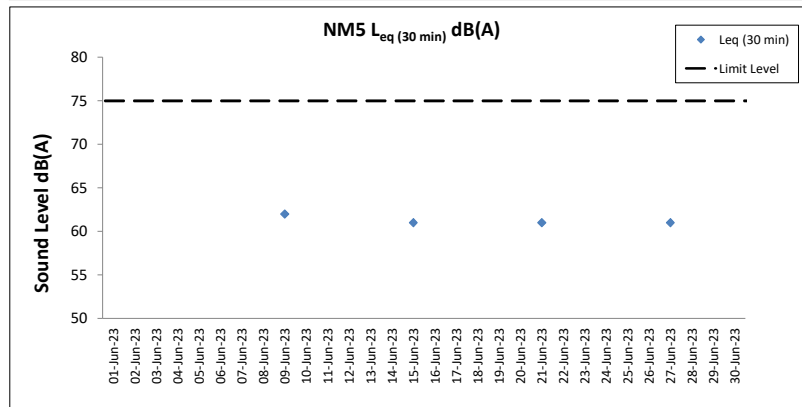
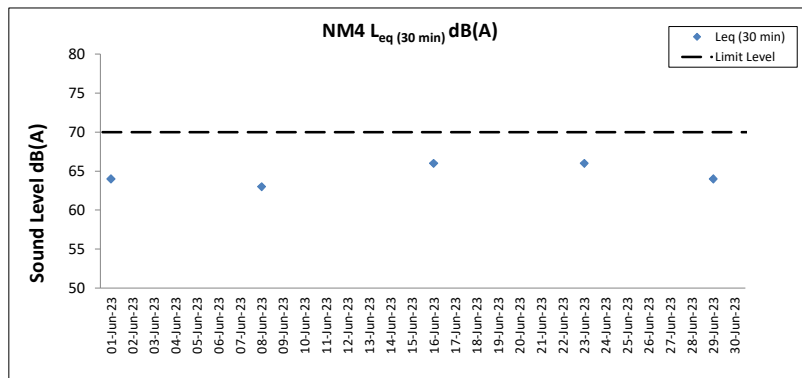
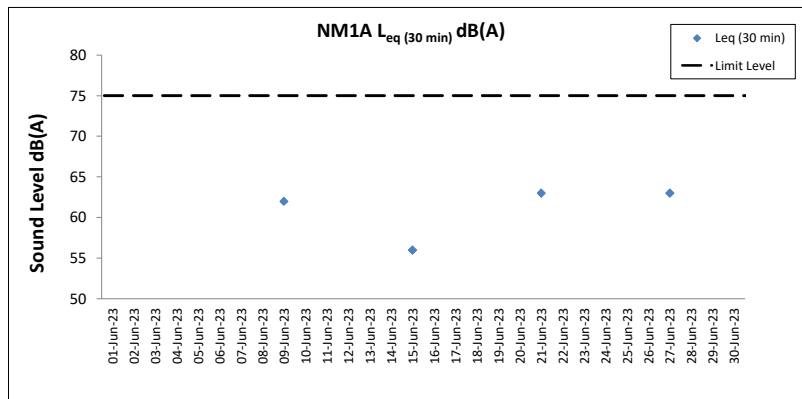
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A) ^
1-Jun-23	Sunny	15:37	61.8	46.3	66*
1-Jun-23	Sunny	15:42	58.1	46.2	
1-Jun-23	Sunny	15:47	66.4	49.6	
1-Jun-23	Sunny	15:52	68.6	49.1	
1-Jun-23	Sunny	15:57	64.6	45.9	
1-Jun-23	Sunny	16:02	62.9	47.0	
8-Jun-23	Cloudy	15:45	71.4	51.2	68
8-Jun-23	Cloudy	15:50	73.3	50.9	
8-Jun-23	Cloudy	15:55	62.3	51.6	
8-Jun-23	Cloudy	16:00	56.8	50.6	
8-Jun-23	Cloudy	16:05	64.5	50.5	
8-Jun-23	Cloudy	16:10	65.8	51.0	
16-Jun-23	Cloudy	15:43	67.9	53.2	68*
16-Jun-23	Cloudy	15:48	69.6	55.2	
16-Jun-23	Cloudy	15:53	76.9	55.2	
16-Jun-23	Cloudy	15:58	68.1	53.7	
16-Jun-23	Cloudy	16:03	69.4	55.7	
16-Jun-23	Cloudy	16:08	65.0	55.4	
23-Jun-23	Cloudy	15:39	72.5	50.7	62*
23-Jun-23	Cloudy	15:44	68.4	50.0	
23-Jun-23	Cloudy	15:49	66.5	50.4	
23-Jun-23	Cloudy	15:54	56.9	47.8	
23-Jun-23	Cloudy	15:59	71.0	47.7	
23-Jun-23	Cloudy	16:04	64.1	48.1	
29-Jun-23	Sunny	15:38	56.0	46.1	68
29-Jun-23	Sunny	15:43	68.7	45.2	
29-Jun-23	Sunny	15:48	70.8	45.3	
29-Jun-23	Sunny	15:53	66.5	44.9	
29-Jun-23	Sunny	15:58	62.1	45.3	
29-Jun-23	Sunny	16:03	71.3	46.7	

Remarks:

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

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



Notes

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

Water Quality Monitoring Results

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA												
C1	Sunny	Moderate	10:34	8.0	Surface	1.0	0.3	203	27.7	27.7	7.9	7.9	25.8	25.8	81.7	81.8	5.6	5.4	2.9	4.2	3	3	815621	804264								
						1.0	0.3	200	27.7		7.9	7.9	25.7	25.8	81.9	81.8	5.6		2.9		4											
					Middle	4.0	0.3	191	26.9	26.9	7.8	7.8	27.9	27.8	75.9	76.1	5.2	5.2	3.8	5.2	3				5.2	2	5.2	5.2	5.2	5.2	5.2	
						4.0	0.3	191	26.9		7.8	7.8	27.7	27.8	76.3	76.1	5.2		3.9		3											
					Bottom	7.0	0.4	201	26.5	26.5	7.8	7.8	29.7	29.7	76.4	76.7	5.2	5.2	5.8	5.2	2				5.2	2	5.2	5.2	5.2	5.2	5.2	5.2
						7.0	0.4	196	26.5		7.8	7.8	29.7	29.7	77.0	76.7	5.2		6.1		3											
C2	Sunny	Moderate	12:20	12.1	Surface	1.0	0.8	187	28.2	28.2	7.9	7.9	22.5	22.3	91.1	91.3	6.3	5.8	4.0	4.4	3	4	825681	806966								
						1.0	0.8	181	28.2		7.9	7.9	22.2	22.3	91.4	91.3	6.3		4.0		3											
					Middle	6.1	0.8	164	27.5	27.5	7.8	7.8	25.5	25.5	77.3	77.2	5.3	5.3	4.2	5.3	3				5.3	4	5.3	5.3	5.3	5.3	5.3	
						6.1	0.7	170	27.5		7.8	7.8	25.5	25.5	77.1	77.2	5.3		4.3		4											
					Bottom	11.1	0.8	176	27.4	27.4	7.8	7.8	25.6	25.6	75.5	75.5	5.2	5.2	4.9	5.2	5				5.2	5	5.2	5.2	5.2	5.2	5.2	5.2
						11.1	0.7	171	27.4		7.8	7.8	25.6	25.6	75.5	75.5	5.2		5.0		4											
C3	Misty	Calm	11:31	12.0	Surface	1.0	0.4	68	27.1	27.1	7.6	7.6	25.6	25.6	89.7	89.6	6.2	6.2	0.5	1.7	5	4	822087	817788								
						1.0	0.3	74	27.1		7.6	7.6	25.6	25.6	89.5	89.6	6.2		0.6		4											
					Middle	6.0	0.4	63	26.9	26.9	7.6	7.6	25.8	25.9	87.6	87.5	6.1	6.1	1.3	6.1	3				6.1	4	6.1	6.1	6.1	6.1	6.1	
						6.0	0.4	57	26.8		7.6	7.6	25.9	25.9	87.4	87.5	6.1		1.4		4											
					Bottom	11.0	0.4	80	26.2	26.3	7.6	7.6	29.0	29.0	82.5	82.6	5.7	5.7	3.3	5.7	2				5.7	2	5.7	5.7	5.7	5.7	5.7	5.7
						11.0	0.4	78	26.3		7.6	7.6	29.1	29.0	82.7	82.6	5.7		3.3		4											
IM1	Sunny	Moderate	10:58	6.2	Surface	1.0	0.3	189	28.2	28.2	7.9	7.9	24.3	24.3	88.5	88.7	6.0	5.9	2.3	5.0	3	3	818350	806464								
						1.0	0.4	189	28.2		7.9	7.9	24.3	24.3	88.8	88.7	6.1		2.4		4											
					Middle	3.1	0.3	183	27.7	27.7	7.9	7.9	24.7	24.7	83.0	83.1	5.7	5.7	3.6	5.7	3				5.7	3	5.7	5.7	5.7	5.7	5.7	
						3.1	0.3	187	27.7		7.9	7.9	24.6	24.7	83.2	83.1	5.7		3.9		3											
					Bottom	5.2	0.3	186	26.6	26.6	7.8	7.8	28.6	28.7	72.1	72.1	4.9	4.9	8.9	4.9	3				4.9	3	4.9	4.9	4.9	4.9	4.9	4.9
						5.2	0.3	182	26.6		7.8	7.8	28.7	28.7	72.1	72.1	4.9		8.9		2											
IM2	Sunny	Moderate	11:07	6.6	Surface	1.0	0.3	208	27.3	27.3	7.8	7.8	26.3	26.2	75.6	75.7	5.2	5.0	5.1	7.4	4	4	819200	806259								
						1.0	0.3	210	27.3		7.9	7.8	26.2	26.2	75.8	75.7	5.2		4.9		3											
					Middle	3.3	0.3	204	26.7	26.7	7.8	7.8	28.4	28.4	69.5	69.5	4.8	4.8	7.5	4.8	3				4.8	4	4.8	4.8	4.8	4.8	4.8	
						3.3	0.3	198	26.7		7.8	7.8	28.4	28.4	69.4	69.5	4.7		7.8		4											
					Bottom	5.6	0.3	182	26.4	26.4	7.8	7.8	29.6	29.6	69.5	69.6	4.7	4.8	9.9	4.8	4				4.8	4	4.8	4.8	4.8	4.8	4.8	4.8
						5.6	0.4	181	26.4		7.8	7.8	29.6	29.6	69.6	69.6	4.8		9.0		4											
IM7	Sunny	Moderate	11:46	7.4	Surface	1.0	0.3	193	28.9	28.9	8.0	8.0	19.0	19.0	102.1	102.1	7.1	6.4	2.2	3.5	6	5	821344	806833								
						1.0	0.3	186	28.9		8.0	8.0	19.0	19.0	102.0	102.1	7.1		2.1		5											
					Middle	3.7	0.3	183	27.8	27.8	7.8	7.8	23.8	23.7	80.9	81.1	5.6	5.6	3.1	5.6	4				5.6	4	5.6	5.6	5.6	5.6	5.6	
						3.7	0.4	190	27.7		7.8	7.8	23.7	23.7	81.3	81.1	5.6		2.9		5											
					Bottom	6.4	0.3	170	27.5	27.5	7.9	7.9	25.9	25.8	74.7	75.0	5.1	5.1	5.5	5.1	4				5.1	4	5.1	5.1	5.1	5.1	5.1	5.1
						6.4	0.3	165	27.5		7.9	7.9	25.8	25.8	75.2	75.0	5.1		5.1		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 01 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Sunny	Moderate	17:49	8.6	Surface	1.0	0.4	29	28.1	28.1	7.9	7.9	23.4	23.5	84.8	84.7	5.8	5.3	3.2	7.1	2	3	815602	804260		
						1.0	0.4	32	28.1		7.9		23.5		84.6		5.8		3.6		2					
					Middle	4.3	0.4	47	26.6	26.6	7.8	7.8	29.1	29.2	69.5	69.7	4.7	4.9	4.8	4.9	8.5	4.9			2	4
						4.3	0.4	46	26.5		7.8		29.2		69.8		4.8		8.5							
					Bottom	7.6	0.4	36	26.5	26.5	7.8	7.8	29.3	29.3	72.0	72.2	4.9	4.9	4.9	4.9	9.2	4.9			2	4
						7.6	0.4	39	26.5		7.8		29.3		72.4		4.9		9.8							
C2	Sunny	Moderate	16:10	11.8	Surface	1.0	0.0	323	28.8	28.8	8.0	8.0	19.1	19.0	99.5	99.5	6.9	6.1	3.1	4.5	3	3	825682	806932		
						1.0	0.0	316	28.8		8.0		19.0		99.5		6.9		3.1		2					
					Middle	5.9	0.0	328	27.5	27.5	7.8	7.8	25.4	25.4	75.8	75.7	5.2	5.2	5.2	5.2	4.9	5.2			2	2
						5.9	0.0	335	27.5		7.8		25.4		75.6		5.2		5.0		4					
					Bottom	10.8	0.1	317	27.4	27.4	7.8	7.8	25.4	25.4	75.7	75.8	5.2	5.2	5.2	5.2	5.3	5.2			2	2
						10.8	0.1	312	27.4		7.8		25.4		75.8		5.2		5.4		2					
C3	Misty	Calm	17:14	12.0	Surface	1.0	0.5	272	27.3	27.3	7.6	7.6	25.5	25.5	88.6	88.5	6.1	6.0	2.1	3.2	3	3	822097	817784		
						1.0	0.5	277	27.2		7.6		25.6		88.4		6.1		2.1		2					
					Middle	6.0	0.4	280	26.4	26.4	7.6	7.6	26.6	26.8	84.7	84.6	5.9	5.9	5.9	6.1	3.2	6.1			3	3
						6.0	0.4	273	26.4		7.6		27.1		84.5		5.9		3.2		3					
					Bottom	11.0	0.4	244	26.4	26.4	7.6	7.6	29.0	28.9	87.7	88.1	6.0	6.1	6.0	6.1	4.3	6.1			2	2
						11.0	0.5	248	26.4		7.6		28.9		88.5		6.1		4.4		2					
IM1	Sunny	Moderate	17:22	6.4	Surface	1.0	0.4	13	27.1	27.1	7.8	7.8	27.1	27.1	70.7	70.6	4.8	4.8	8.9	8.8	2	3	818361	806456		
						1.0	0.4	10	27.1		7.8		27.1		70.5		4.8		8.9		4					
					Middle	3.2	0.4	357	26.6	26.6	7.8	7.8	28.6	28.6	69.1	69.1	4.7	4.7	4.7	4.7	8.1	4.7			3	3
						3.2	0.4	3	26.6		7.8		28.6		69.1		4.7		8.3		2					
					Bottom	5.4	0.3	23	26.4	26.4	7.8	7.8	29.6	29.6	69.1	69.2	4.7	4.7	4.7	4.7	9.3	4.7			2	2
						5.4	0.3	24	26.4		7.8		29.6		69.3		4.7		9.1		2					
IM2	Sunny	Moderate	17:17	6.9	Surface	1.0	0.3	349	27.3	27.3	7.9	7.9	26.3	26.3	75.1	75.2	5.1	4.9	7.9	8.4	3	3	819196	806235		
						1.0	0.2	351	27.3		7.9		26.3		75.2		5.1		7.2		3					
					Middle	3.5	0.3	345	26.8	26.8	7.8	7.8	28.1	28.1	68.4	68.4	4.7	4.7	4.7	4.7	8.5	4.7			3	3
						3.5	0.3	351	26.8		7.8		28.1		68.3		4.7		8.1		3					
					Bottom	5.9	0.3	352	26.5	26.5	7.8	7.8	29.4	29.3	68.3	68.4	4.7	4.7	4.7	4.7	9.3	4.7			4	3
						5.9	0.3	350	26.5		7.8		29.2		68.5		4.7		9.5		3					
IM7	Sunny	Moderate	16:42	7.2	Surface	1.0	0.2	259	28.4	28.4	7.9	7.9	21.0	21.0	92.7	92.7	6.4	5.8	0.4	5.0	<2	<2	821338	806822		
						1.0	0.2	259	28.3		7.9		21.0		92.6		6.4		0.4		<2					
					Middle	3.6	0.2	269	27.6	27.6	7.9	7.9	25.0	25.1	75.3	75.3	5.2	5.2	5.2	5.2	6.0	5.2			<2	<2
						3.6	0.2	270	27.6		7.9		25.1		75.3		5.2		6.7		<2					
					Bottom	6.2	0.3	293	27.5	27.5	7.9	7.9	25.4	25.4	76.0	76.2	5.2	5.2	5.2	5.2	8.3	5.2			<2	<2
						6.2	0.3	295	27.5		7.9		25.4		76.3		5.2		8.4		<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 01 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Misty	Calm	16:01	13.0	Surface	1.0	0.2	248	28.2	28.2	7.7	7.7	21.6	21.6	100.5	100.4	7.0	6.4	1.4	1.9	<2	822255	809825	
						1.0	0.2	245	28.2		7.7	7.7	21.6	21.6	100.3	100.4	6.9		1.3					
					Middle	6.5	0.2	242	27.4	27.4	7.6	7.6	25.0	25.0	83.4	83.5	5.7	5.9	1.6	<2				
						6.5	0.2	241	27.3		7.6	7.6	25.0	25.0	83.5	83.5	5.8		1.5	<2				
					Bottom	12.0	0.2	253	27.8	27.9	7.5	7.5	25.2	25.2	85.5	86.2	5.8	5.9	2.8	<2				
						12.0	0.3	260	27.9		7.5	7.5	25.1	25.2	86.8	86.8	5.9		2.7	<2				
IM11	Misty	Calm	16:24	7.6	Surface	1.0	0.4	286	28.5	28.5	7.7	7.7	20.0	20.0	106.8	106.7	7.4	6.5	2.6	3.8	<2	821488	810567	
						1.0	0.4	289	28.4		7.7	7.7	20.0	20.0	106.6	106.7	7.4		2.7					
					Middle	3.8	0.3	272	27.3	27.4	7.5	7.5	25.3	25.3	81.5	81.6	5.6	5.8	3.4	<2				
						3.8	0.4	264	27.4		7.5	7.5	25.3	25.3	81.6	81.6	5.6		3.5	<2				
					Bottom	6.6	0.4	257	27.6	27.7	7.6	7.6	25.3	25.2	83.5	84.2	5.7	5.8	5.3	3				
						6.6	0.4	263	27.7		7.6	7.6	25.2	25.2	84.9	84.9	5.8		5.3	2				
IM12	Misty	Calm	16:28	7.0	Surface	1.0	0.3	291	28.5	28.5	7.7	7.7	20.1	20.1	107.3	107.3	7.5	6.6	2.3	3.7	3	821178	811527	
						1.0	0.3	297	28.5		7.7	7.7	20.1	20.1	107.2	107.3	7.4		2.3					
					Middle	3.5	0.3	269	27.5	27.5	7.6	7.6	24.2	24.4	83.6	83.5	5.8	5.8	3.2	3				
						3.5	0.4	270	27.5		7.6	7.6	24.6	24.4	83.4	83.5	5.7		3.3	2				
					Bottom	6.0	0.3	290	27.6	27.7	7.5	7.5	25.2	25.1	83.3	84.0	5.7	5.8	5.6	4				
						6.0	0.3	295	27.7		7.5	7.5	25.1	25.1	84.6	84.6	5.8		5.5	3				
SR1A	Misty	Calm	16:41	4.2	Surface	1.0	0.0	192	27.8	27.8	7.6	7.6	22.0	22.0	95.1	95.0	6.6	6.6	1.3	1.4	3	819970	812655	
						1.0	0.0	198	27.8		7.6	7.6	22.1	22.0	94.8	95.0	6.6		1.4		3			
					Middle	2.1	0.1	176	-	-	-	-	-	-	-	-	-	-	-	-	4			
						2.1	0.0	178	-		-	-	-	-	-	-	-		-	-	-			
					Bottom	3.2	0.0	211	27.7	27.7	7.5	7.5	25.1	25.1	85.9	86.2	5.9	5.9	1.5	5				
						3.2	0.0	203	27.7		7.5	7.5	25.1	25.1	86.5	86.5	5.9		1.5	4				
SR2	Misty	Calm	16:56	4.0	Surface	1.0	0.1	287	28.7	28.7	7.7	7.7	19.8	19.8	109.6	109.5	7.6	7.6	1.3	1.4	<2	821479	814155	
						1.0	0.1	284	28.6		7.7	7.7	19.8	19.8	109.4	109.5	7.6		1.3					
					Middle	-	0.2	297	-	-	-	-	-	-	-	-	-	-	-	-	3			
						-	0.2	298	-		-	-	-	-	-	-	-		-	-				
					Bottom	3.0	0.1	297	28.4	28.4	7.7	7.7	21.4	21.4	104.4	104.6	7.2	7.2	1.6	3				
						3.0	0.1	295	28.4		7.7	7.7	21.3	21.4	104.7	104.6	7.2		1.5	3				
SR3	Sunny	Moderate	16:36	8.7	Surface	1.0	0.1	258	28.5	28.5	8.0	8.0	20.3	20.3	94.3	94.0	6.6	6.2	2.0	3.9	<2	822135	807588	
						1.0	0.1	265	28.4		8.0	8.0	20.4	20.3	93.7	93.6	6.5		2.0					
					Middle	4.4	0.1	258	28.0	28.0	7.9	7.9	22.7	22.8	83.8	83.6	5.8	5.8	3.4	<2				
						4.4	0.1	251	27.9		7.9	7.9	22.9	22.8	83.4	83.6	5.8		3.9	<2				
					Bottom	7.7	0.1	253	27.5	27.5	7.9	7.9	25.1	25.1	77.7	77.9	5.3	5.4	6.2	2				
						7.7	0.1	260	27.5		7.9	7.9	25.1	25.1	78.0	77.9	5.4		6.2	2				
SR4A	Sunny	Moderate	18:23	9.0	Surface	1.0	0.1	128	29.2	29.2	8.0	8.0	19.8	19.8	93.2	93.1	6.4	5.7	4.7	6.0	2	817207	807825	
						1.0	0.1	122	29.2		8.0	8.0	19.8	19.8	92.9	93.1	6.4		4.8					
					Middle	4.5	0.0	127	27.1	27.1	7.9	7.9	25.6	25.6	72.4	72.5	5.0	5.1	6.3	3				
						4.5	0.1	134	27.1		7.9	7.9	25.6	25.6	72.6	72.5	5.0		6.4	3				
					Bottom	8.0	0.1	128	26.9	26.9	7.9	7.9	28.0	28.0	74.0	74.0	5.1	5.1	6.9	4				
						8.0	0.0	125	26.9		7.9	7.9	28.0	28.0	74.0	74.0	5.1		6.9	3				
SR8	Misty	Calm	16:32	3.9	Surface	1.0	-	-	28.5	28.5	7.7	7.7	20.2	20.2	104.8	104.7	7.3	7.3	1.4	2.2	4	820410	811640	
						1.0	-	-	28.4		7.7	7.7	20.2	20.2	104.6	104.7	7.3		1.4		3			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3			
						-	-	-	-		-	-	-	-	-	-	-		-	-				
					Bottom	2.9	-	-	28.0	28.0	7.6	7.6	22.2	22.2	98.5	98.5	6.8	6.8	2.9	2				
						2.9	-	-	27.9		7.7	7.7	22.2	22.2	98.4	98.4	6.8		2.9	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 03 June 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
C1	Sunny	Moderate	11:05	8.0	Surface	1.0	0.3	195	28.2	28.2	8.0	8.0	22.5	22.5	87.8	87.8	6.1	5.6	2.9	3.4	3	3	815642	804234			
						1.0	0.4	197	28.1		8.0		22.5		87.8		6.1		3.0		3						
					Middle	4.0	0.3	209	27.3	27.3	8.0	8.0	26.3	26.3	75.1	73.4	5.1	4.8	3.7	4.8	3.6				4.8	2	3
						4.0	0.3	213	27.2		8.0		26.3		71.7		4.9		3.7		2						
					Bottom	7.0	0.3	192	26.9	26.9	8.0	8.0	29.3	29.3	70.3	70.4	70.4	4.8	3.6	4.8	3.5				4.8	2	3
						7.0	0.2	187	26.9		8.0		29.3		70.4		4.8		3.5		2						
C2	Sunny	Moderate	12:40	11.8	Surface	1.0	0.9	171	28.6	28.6	8.0	8.0	22.1	22.1	86.0	86.0	5.9	5.5	3.3	4.7	<2	3	825697	806939			
						1.0	0.9	167	28.6		8.0		22.1		86.0		5.9		3.3		<2						
					Middle	5.9	0.9	156	28.0	28.0	8.0	8.0	23.9	23.9	72.6	72.5	5.0	4.9	4.8	4.9	6.0				4.9	3	3
						5.9	0.9	161	28.0		8.0		23.9		72.4		5.0		4.9		2						
					Bottom	10.8	0.9	191	27.8	27.8	8.0	8.0	24.7	24.7	71.2	71.3	71.3	4.9	6.1	4.9	6.1				4.9	3	3
						10.8	0.8	186	27.8		8.0		24.7		71.3		4.9		6.1		3						
C3	Misty	Calm	11:35	12.0	Surface	1.0	0.4	68	27.6	27.6	7.5	7.5	26.2	26.2	85.3	85.3	5.8	5.7	1.1	1.5	3	3	822090	817800			
						1.0	0.4	68	27.6		7.5		26.2		85.2		5.8		1.1		2						
					Middle	6.0	0.4	61	27.3	27.3	7.4	7.4	26.8	26.8	82.4	82.4	5.6	5.6	1.2	5.6	2.4				5.6	4	4
						6.0	0.4	54	27.3		7.4		26.9		82.3		5.6		1.2		3						
					Bottom	11.0	0.4	63	27.2	27.3	7.5	7.5	26.9	26.9	82.3	82.3	82.3	5.6	2.3	5.6	2.3				5.6	4	4
						11.0	0.4	59	27.3		7.5		26.9		82.3		5.6		2.3		4						
IM1	Sunny	Moderate	11:27	6.6	Surface	1.0	0.3	197	28.3	28.3	8.1	8.1	23.3	23.3	87.2	87.2	6.0	5.6	2.0	3.8	2	2	818350	806449			
						1.0	0.2	202	28.3		8.1		23.3		87.2		6.0		2.0		2						
					Middle	3.3	0.3	186	27.4	27.4	8.1	8.1	27.1	27.2	74.6	74.6	5.1	5.0	3.4	5.0	6.1				5.0	2	5.0
						3.3	0.3	189	27.3		8.1		27.3		74.5		5.1		3.4		2						
					Bottom	5.6	0.3	167	27.0	27.0	8.0	8.0	28.8	28.7	73.6	73.7	73.7	5.0	6.1	5.0	6.1				5.0	<2	5.0
						5.6	0.3	171	27.0		8.0		28.7		73.7		5.0		6.1		<2						
IM2	Sunny	Moderate	11:33	7.6	Surface	1.0	0.3	188	27.8	27.8	7.9	7.9	25.7	25.7	70.7	70.7	4.8	4.9	5.6	6.4	6	7	819202	806229			
						1.0	0.3	188	27.8		7.9		25.7		70.7		4.8		5.7		6						
					Middle	3.8	0.3	209	27.6	27.6	7.9	7.9	26.3	26.4	71.5	71.5	4.9	4.8	5.4	4.8	8.4				4.8	7	4.8
						3.8	0.3	213	27.5		7.9		26.4		71.5		4.9		5.4		7						
					Bottom	6.6	0.3	204	26.9	26.9	8.0	8.0	28.8	28.8	70.3	70.4	70.4	4.8	8.1	4.8	8.1				4.8	8	4.8
						6.6	0.3	202	26.9		8.0		28.8		70.4		4.8		8.1		8						
IM7	Sunny	Moderate	11:59	8.5	Surface	1.0	0.3	155	28.2	28.2	8.1	8.1	23.6	23.7	79.5	79.4	5.4	5.3	3.6	5.3	4	5	821327	806821			
						1.0	0.3	152	28.2		8.2		23.7		79.3		5.4		3.7		5						
					Middle	4.3	0.3	147	28.0	28.0	8.2	8.2	24.5	24.5	75.5	75.5	5.2	4.9	4.4	4.9	8.1				4.9	5	4.9
						4.3	0.3	143	28.0		8.2		24.5		75.5		5.2		4.4		4						
					Bottom	7.5	0.2	181	27.7	27.7	8.1	8.1	25.3	25.3	71.5	71.6	71.6	4.9	8.1	4.9	8.1				4.9	6	4.9
						7.5	0.2	182	27.7		8.1		25.3		71.6		4.9		8.1		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 03 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA					
C1	Sunny	Moderate	19:37	8.3	Surface	1.0	0.4	42	28.6	28.6	8.0	8.0	23.2	23.2	89.9	89.9	6.1	6.1	1.4	5.8	2	2	815596	804232							
						1.0	0.4	46	28.6		8.0		23.2		89.9		6.1		1.4		2										
					Middle	4.2	0.5	53	28.6	27.8	8.0	8.0	23.3	23.4	89.8	85.7	6.1	6.1	7.4	4.9	7.2				4.9	9.0	4.9	8.9	4.9	<2	<2
						4.2	0.5	59	27.0		8.0		23.6		81.5		6.1		7.2		9.0					8.9		<2			
					Bottom	7.3	0.5	31	26.9	26.9	7.9	7.9	28.9	28.9	72.0	72.1	72.1	72.1	4.9	4.9	4.9				4.9	8.9	4.9	<2	<2		
						7.3	0.5	38	26.9		7.9		28.9		72.1		72.1		4.9		4.9					8.9		<2			
C2	Sunny	Moderate	17:53	12.2	Surface	1.0	0.0	261	28.7	28.7	7.9	7.9	22.1	22.1	85.4	85.4	5.8	5.8	3.5	4.7	2	2	825666	806938							
						1.0	0.0	262	28.7		7.9		22.1		85.4		5.8		3.4		2										
					Middle	6.1	0.1	248	28.0	28.0	7.9	7.9	23.9	23.9	72.2	72.2	5.0	4.9	4.9	4.9	5.7				4.9	5.7	4.9	2	2		
						6.1	0.1	248	28.0		7.9		24.0		72.1		4.9		4.9		5.7					2					
					Bottom	11.2	0.0	256	27.9	27.9	7.9	7.9	24.6	24.6	71.4	71.5	71.5	4.9	4.9	4.9	5.7				4.9	5.7	4.9	3	3		
						11.2	0.0	259	27.9		7.9		24.6		71.5		4.9		5.7		3										
C3	Misty	Calm	18:59	10.0	Surface	1.0	0.5	246	27.6	27.6	7.6	7.5	26.1	26.1	84.9	84.9	5.8	5.8	4.0	5.6	3	3	822114	817804							
						1.0	0.5	247	27.6		7.5		26.1		84.9		5.8		4.0		3										
					Middle	5.0	0.5	254	26.8	26.8	7.5	7.5	28.0	28.0	79.1	78.6	5.4	5.3	5.5	5.1	6.0				5.1	6.0	5.1	3	3		
						5.0	0.5	249	26.7		7.5		28.1		78.1		5.3		5.5		3										
					Bottom	9.0	0.5	251	26.7	26.7	7.5	7.5	28.2	28.2	74.1	74.2	74.2	5.1	5.1	5.1	6.0				5.1	6.0	5.1	3	3		
						9.0	0.5	254	26.7		7.5		28.2		74.2		5.1		6.0		3										
IM1	Sunny	Moderate	19:14	6.3	Surface	1.0	0.3	4	28.2	28.2	7.9	7.9	24.4	24.4	80.1	80.1	5.5	5.4	3.2	5.1	4	4	818347	806479							
						1.0	0.3	11	28.2		7.9		24.4		80.0		5.4		3.2		3										
					Middle	3.2	0.3	3	27.0	27.0	7.9	7.9	28.6	28.6	69.6	69.6	4.7	4.7	8.9	4.8	11.2				4.8	12.0	4.8	4	4		
						3.2	0.4	4	27.0		7.9		28.6		69.6		4.7		8.9		3										
					Bottom	5.3	0.3	8	26.9	26.9	7.9	7.9	28.8	28.8	70.4	70.5	70.5	4.8	4.8	4.8	11.2				4.8	12.0	4.8	<2	<2		
						5.3	0.3	0	26.9		7.9		28.8		70.6		4.8		12.0		<2										
IM2	Sunny	Moderate	19:10	7.0	Surface	1.0	0.3	351	28.1	28.1	8.0	8.0	24.8	24.8	77.5	77.5	5.3	5.3	6.7	5.0	6	6	819162	806236							
						1.0	0.3	344	28.1		8.0		24.8		77.4		5.3		6.7		7										
					Middle	3.5	0.3	3	27.2	27.2	8.1	8.1	27.8	27.9	69.4	69.4	4.7	4.7	7.5	4.7	8.4				4.7	8.6	4.7	6	6		
						3.5	0.3	357	27.1		8.1		28.0		69.3		4.7		7.5		4										
					Bottom	6.0	0.3	3	26.9	26.9	8.1	8.0	28.8	28.8	69.5	69.6	69.6	4.7	4.7	4.7	8.4				4.7	8.6	4.7	4	4		
						6.0	0.3	358	26.9		8.0		28.8		69.6		4.7		8.6		5										
IM7	Sunny	Moderate	18:38	8.0	Surface	1.0	0.2	299	28.7	28.7	7.9	7.9	22.8	22.8	83.8	83.5	5.7	5.7	2.6	5.3	3	3	821335	806816							
						1.0	0.2	294	28.6		7.9		22.9		83.2		5.7		2.7		3										
					Middle	4.0	0.2	302	27.8	27.8	7.9	7.9	24.8	24.9	71.1	71.1	71.1	4.9	4.9	4.9	8.7				4.9	12.3	4.9	4	4		
						4.0	0.2	300	27.8		7.9		24.9		71.1		4.9		8.7		4										
					Bottom	7.0	0.2	294	27.7	27.7	7.9	7.9	25.3	25.3	72.2	72.2	72.2	4.9	4.9	4.9	12.3				4.9	12.3	4.9	3	3		
						7.0	0.2	297	27.7		7.9		25.3		72.2		4.9		12.3		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 03 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Misty	Calm	17:46	12.2	Surface	1.0	0.2	240	29.0	29.0	7.6	7.6	21.0	21.1	111.2	111.2	7.6	7.4	1.1	1.7	3	3	822263	809849		
						1.0	0.3	232	29.0		7.6		21.2		111.2		7.6		1.1		3					
					Middle	6.1	0.2	246	28.5	28.5	7.6	7.6	22.2	22.2	103.4	103.4	7.1	7.1	1.3	7.1	2				7.1	3
						6.1	0.2	244	28.5		7.6		22.2		103.3		7.1		1.3		3					
					Bottom	11.2	0.2	261	28.6	28.6	7.6	7.6	22.0	22.0	101.5	103.3	7.0	7.1	2.7	7.0	3				7.0	3
						11.2	0.2	261	28.6		7.6		22.0		105.1		7.2		2.6		3					
IM11	Misty	Calm	18:09	7.6	Surface	1.0	0.4	270	28.6	28.6	7.6	7.6	22.2	22.2	99.4	99.4	6.8	6.4	3.3	4.4	4	3	821520	810551		
						1.0	0.3	263	28.6		7.6		22.2		99.3		6.8		3.3		3					
					Middle	3.8	0.4	269	28.1	28.1	7.5	7.5	23.9	23.8	86.5	86.5	5.9	5.9	4.4	5.9	3				5.9	3
						3.8	0.4	272	28.1		7.5		23.8		86.4		5.9		4.5		3					
					Bottom	6.6	0.4	281	27.8	27.9	7.4	7.4	23.9	23.9	84.5	85.1	5.8	5.9	5.6	5.9	3				5.9	3
						6.6	0.4	287	27.9		7.4		23.8		85.7		5.9		5.5		2					
IM12	Misty	Calm	18:17	7.0	Surface	1.0	0.3	300	28.2	28.2	7.5	7.5	23.8	23.8	87.6	87.6	6.0	5.9	4.2	5.3	3	3	821178	811535		
						1.0	0.3	300	28.1		7.5		23.8		87.5		6.0		4.2		4					
					Middle	3.5	0.3	287	27.9	27.9	7.5	7.5	24.2	24.2	82.7	82.8	5.7	5.7	5.0	5.7	3				5.7	3
						3.5	0.4	288	27.9		7.5		24.2		82.9		5.7		5.1		3					
					Bottom	6.0	0.4	289	27.9	27.9	7.4	7.4	24.2	24.2	83.9	84.1	5.8	5.8	6.5	5.8	3				5.8	3
						6.0	0.4	284	27.9		7.4		24.2		84.3		5.8		6.6		3					
SR1A	Misty	Calm	18:26	4.6	Surface	1.0	0.1	194	28.6	28.6	7.6	7.5	23.2	23.2	96.3	96.3	6.6	6.6	3.6	3.9	2	3	819975	812655		
						1.0	0.1	193	28.6		7.5		23.2		96.2		6.6		3.6		2					
					Middle	2.3	0.0	205	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.3	0.1	209	-		-		-		-		-		-		-					-
					Bottom	3.6	0.0	216	28.3	28.3	7.5	7.5	23.8	23.8	91.7	91.8	6.3	6.3	4.2	6.3	3				6.3	3
						3.6	0.0	212	28.3		7.5		23.8		91.9		6.3		4.2		4					
SR2	Misty	Calm	18:42	4.0	Surface	1.0	0.1	290	29.2	29.2	7.5	7.5	22.2	22.2	105.7	105.7	7.2	7.2	2.3	3.1	4	3	821476	814152		
						1.0	0.1	283	29.2		7.5		22.2		105.6		7.2		2.3		3					
					Middle	-	0.2	287	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.2	290	-		-		-		-		-		-		-					
					Bottom	3.0	0.1	266	29.0	29.1	7.5	7.5	22.3	22.2	101.4	101.2	6.9	6.9	3.9	6.9	3				6.9	3
						3.0	0.1	259	29.1		7.5		22.2		101.0		6.9		3.9		2					
SR3	Sunny	Moderate	18:30	8.8	Surface	1.0	0.1	252	29.0	29.0	8.0	8.0	22.0	22.0	88.2	88.2	6.0	5.5	2.0	4.0	3	3	822135	807549		
						1.0	0.1	253	29.0		8.0		22.0		88.2		6.0		2.0		3					
					Middle	4.4	0.1	264	28.0	28.0	7.9	7.9	24.4	24.5	71.8	71.7	4.9	4.9	4.7	4.9	3				4.9	3
						4.4	0.0	262	28.0		7.9		24.5		71.6		4.9		4.7		3					
					Bottom	7.8	0.0	264	27.7	27.7	7.9	7.9	25.4	25.4	71.6	71.7	4.9	4.9	5.4	4.9	2				4.9	3
						7.8	0.1	270	27.7		7.9		25.4		71.7		4.9		5.5		3					
SR4A	Sunny	Moderate	20:08	8.6	Surface	1.0	0.0	130	28.7	28.7	8.0	8.0	23.2	23.2	86.1	86.1	5.9	5.3	2.6	4.2	3	4	817167	807803		
						1.0	0.0	125	28.7		8.0		23.2		86.1		5.9		2.6		3					
					Middle	4.3	0.1	111	27.9	27.9	8.0	8.0	25.0	25.1	69.8	69.7	4.8	4.7	4.5	4.7	4				4.7	4
						4.3	0.0	118	27.9		8.0		25.1		69.5		4.7		4.6		5					
					Bottom	7.6	0.0	153	27.7	27.7	8.0	8.0	25.9	25.9	68.7	68.8	4.7	4.7	5.3	4.7	5				4.7	5
						7.6	0.1	158	27.7		8.0		25.9		68.8		4.7		5.5		6					
SR8	Misty	Calm	18:13	4.6	Surface	1.0	-	-	28.8	28.8	7.6	7.6	22.1	22.1	101.0	100.9	6.9	6.9	2.1	3.0	3	3	820381	811625		
						1.0	-	-	28.8		7.6		22.1		100.8		6.9		2.1		3					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-		-		-		-		-		-					
					Bottom	3.6	-	-	28.6	28.6	7.6	7.6	22.7	22.7	95.4	97.2	6.5	6.7	3.8	6.7	3				6.7	3
						3.6	-	-	28.6		7.6		22.7		98.9		6.8		3.8		4					

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

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

Water Quality Monitoring

Water Quality Monitoring Results on **06 June 23** during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Rainy	Moderate	14:26	0.0	Surface	1.0	0.7	211	28.3	28.3	8.1	8.1	26.3	26.3	80.5	80.5	5.4	5.4	4.6	5.4	7	8	815601	804261		
						1.0	0.7	206	28.3		8.1		26.4		80.5		5.4		4.7		8					
					Middle	4.3	0.8	202	28.1	28.1	8.1	8.1	27.4	27.4	80.2	80.2	5.4	5.4	5.9	5.6	6.0				5.7	9
						4.3	0.8	199	28.1		8.1		27.4		80.2		5.4		8							
					Bottom	7.6	0.8	203	28.1	28.1	8.1	8.1	27.4	27.4	82.4	84.0	5.5	5.6	5.7	5.7	8				5.7	8
						7.6	0.8	204	28.1		8.1		27.4		85.5		5.7		9							
C2	Rainy	Moderate	12:51	0.0	Surface	1.0	0.7	178	28.5	28.5	8.0	8.0	24.2	24.2	76.6	76.6	5.2	5.0	8.9	5.0	5	5	825692	806968		
						1.0	0.8	174	28.5		8.0		24.3		76.5		5.2		4							
					Middle	6.0	0.7	168	27.9	27.9	8.0	8.0	26.4	26.4	70.0	70.0	4.7	4.8	10.3	4.8	10.5				4.8	4
						6.0	0.7	164	27.8		8.0		26.5		69.9		4.7		5							
					Bottom	10.9	0.7	150	27.7	27.7	8.0	8.0	27.0	27.0	70.4	70.4	4.8	4.8	11.3	4.8	7				4.8	7
						10.9	0.7	157	27.7		8.0		27.0		70.4		4.8		6							
C3	Rainy	Rough	14:37	0.0	Surface	1.0	0.4	40	27.4	27.4	7.9	7.9	26.2	26.2	85.5	85.5	5.8	5.6	5.3	5.6	6	5	822124	817786		
						1.0	0.4	46	27.4		7.9		26.2		85.5		5.8		5.4		5					
					Middle	6.5	0.4	54	27.4	27.4	7.9	7.9	26.2	26.2	78.3	78.3	5.4	4.9	6.4	4.9	6.4				4.9	5
						6.5	0.4	49	27.4		7.9		26.2		78.2		5.4		6							
					Bottom	11.9	0.4	37	26.8	26.8	7.9	7.9	27.8	27.8	70.9	70.9	4.9	4.9	8.3	4.9	8.4				4.9	5
						11.9	0.4	43	26.8		7.9		27.8		70.9		4.9		4							
IM1	Rainy	Moderate	14:04	0.0	Surface	1.0	0.5	190	28.4	28.4	8.1	8.1	25.8	25.8	81.2	81.2	5.5	5.5	3.7	5.5	7	7	818340	806458		
						1.0	0.5	187	28.4		8.1		25.8		81.2		5.5		3.8		7					
					Middle	3.3	0.6	201	28.2	28.2	8.1	8.1	26.9	26.9	80.5	80.5	5.4	5.4	4.0	5.4	4.1				5.4	6
						3.3	0.5	195	28.1		8.1		27.0		80.5		5.4		8							
					Bottom	5.5	0.5	210	28.1	28.1	8.1	8.1	27.2	27.2	80.8	80.9	5.4	5.4	8.6	5.4	8.4				5.4	8
						5.5	0.5	203	28.1		8.1		27.2		80.9		5.4		8							
IM2	Rainy	Moderate	14:00	0.0	Surface	1.0	0.6	184	28.4	28.4	8.1	8.1	25.9	25.9	82.8	82.8	5.6	5.5	4.0	5.5	5	5	819182	806248		
						1.0	0.6	176	28.4		8.1		26.0		82.7		5.6		4.2		5					
					Middle	3.9	0.7	197	28.1	28.1	8.1	8.1	27.1	27.1	80.0	80.1	5.4	5.5	6.3	5.5	6.2				5.5	4
						3.9	0.6	195	28.1		8.1		27.1		80.2		5.4		5							
					Bottom	6.8	0.7	211	28.0	28.0	8.1	8.1	27.2	27.2	81.0	81.1	5.5	5.5	11.0	5.5	10.3				5.5	4
						6.8	0.7	215	28.0		8.1		27.2		81.2		5.5		5							
IM7	Rainy	Moderate	13:26	0.0	Surface	1.0	0.4	173	28.5	28.5	8.0	8.0	24.6	24.6	81.2	81.2	5.5	5.5	5.7	5.5	4	5	821351	806828		
						1.0	0.4	175	28.5		8.0		24.6		81.1		5.5		5.7		5					
					Middle	3.8	0.3	181	28.3	28.3	8.0	8.0	25.4	25.4	79.9	80.0	5.4	5.4	6.3	5.4	6.3				5.4	4
						3.8	0.3	184	28.3		8.0		25.4		80.0		5.4		6							
					Bottom	6.6	0.3	170	28.3	28.3	8.0	8.0	25.5	25.5	80.2	80.4	5.4	5.4	6.5	5.4	7				5.4	7
						6.6	0.3	164	28.3		8.0		25.4		80.5		5.4		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 **06 June 23** during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Rainy	Rough	12:57	0.0	Surface	1.0	0.8	105	<u>27.8</u>	7.9	7.9	<u>24.9</u>	24.9	80.4	80.2	5.5	5.4	5.6	6.5	10	8	822244	809820			
						1.0	0.7	108	<u>27.8</u>	7.9	7.9	<u>24.9</u>	24.9	80.0	80.2	5.5		5.6								
					Middle	4.4	0.7	95	<u>27.8</u>	7.9	7.9	25.4	25.4	76.3	76.3	5.2		6.7								
						4.4	0.7	100	<u>27.8</u>	7.9	7.9	25.4	25.4	76.3	76.3	5.2		6.8								
					Bottom	7.8	0.7	119	<u>27.7</u>	7.9	7.9	25.4	25.4	75.9	75.9	5.2		7.2								
						7.8	0.7	124	<u>27.7</u>	7.9	7.9	25.4	25.4	75.9	75.9	5.2		7.3								
IM11	Rainy	Rough	13:12	0.0	Surface	1.0	0.8	104	<u>27.9</u>	7.9	7.9	<u>24.8</u>	24.9	85.6	85.4	5.9	5.7	4.2	5.5	10	9	821510	810551			
						1.0	0.9	108	<u>27.8</u>	7.9	7.9	24.9	24.9	85.2	85.4	5.8		4.2								
					Middle	4.1	0.8	106	<u>27.8</u>	7.9	7.9	25.1	25.1	81.0	81.0	5.5		5.9								
						4.1	0.8	112	<u>27.8</u>	7.9	7.9	25.1	25.1	81.0	81.0	5.5		5.9								
					Bottom	7.1	0.8	107	<u>27.8</u>	7.9	7.9	25.4	25.4	77.2	77.3	5.3		6.5								
						7.1	0.8	109	<u>27.8</u>	7.9	7.9	25.3	25.4	77.3	77.3	5.3		6.5								
IM12	Rainy	Rough	13:26	0.0	Surface	1.0	0.9	115	<u>27.8</u>	7.9	7.9	25.2	25.2	78.9	78.9	5.4	5.2	3.5	6.0	7	8	821172	811542			
						1.0	0.9	111	<u>27.8</u>	7.9	7.9	25.2	25.2	78.9	78.9	5.4		3.5								
					Middle	3.9	0.9	120	<u>27.6</u>	7.9	7.9	26.0	26.0	73.0	73.0	5.0		7.0								
						3.9	0.9	112	<u>27.6</u>	7.9	7.9	26.0	26.0	73.0	73.0	5.0		7.0								
					Bottom	6.7	1.0	123	<u>27.5</u>	7.9	7.9	26.1	26.1	73.4	73.4	5.0		7.6								
						6.7	1.0	126	<u>27.5</u>	7.9	7.9	26.1	26.1	73.4	73.4	5.0		7.6								
SR1A	Rainy	Moderate	14:04	0.0	Surface	1.0	0.0	71	<u>27.9</u>	7.9	7.9	24.9	24.9	83.6	83.6	5.7	5.7	4.4	4.9	4	4	819974	812661			
						1.0	0.1	78	<u>27.9</u>	7.9	7.9	24.9	24.9	83.6	83.6	5.7		4.5								
					Middle	2.1	0.0	76	-	-	-	-	-	-	-	-		-								
						2.1	-	77	-	-	-	-	-	-	-	-		-								
					Bottom	3.2	-	86	<u>27.8</u>	7.9	7.9	24.9	24.9	81.5	81.6	5.6		5.2								
						3.2	0.0	79	<u>27.8</u>	7.9	7.9	24.9	24.9	81.6	81.6	5.6		5.2								
SR2	Rainy	Moderate	14:17	0.0	Surface	1.0	0.7	38	<u>27.2</u>	7.9	7.9	26.5	26.5	75.1	75.1	5.1	5.1	9.1	9.3	5	5	821479	814158			
						1.0	0.7	34	<u>27.2</u>	7.9	7.9	26.5	26.5	75.1	75.1	5.1		9.1								
					Middle	-	0.8	33	-	-	-	-	-	-	-	-		-								
						-	0.8	38	-	-	-	-	-	-	-	-		-								
					Bottom	3.4	0.7	38	26.9	7.9	7.9	27.4	27.4	72.3	72.3	5.0		9.4								
						3.4	0.8	42	26.9	7.9	7.9	27.4	27.4	72.3	72.3	5.0		9.5								
SR3	Rainy	Moderate	13:21	0.0	Surface	1.0	0.6	156	<u>28.6</u>	8.0	8.0	24.3	24.3	79.2	79.2	5.4	5.4	4.7	7.7	9	9	822155	807572			
						1.0	0.6	159	<u>28.6</u>	8.0	8.0	24.4	24.3	79.1	79.2	5.4		4.9								
					Middle	4.4	0.6	142	<u>28.3</u>	8.0	8.0	25.5	25.6	80.4	80.6	5.4		8.6								
						4.4	0.6	142	<u>28.3</u>	8.0	8.0	25.6	25.6	80.7	80.6	5.5		8.8								
					Bottom	7.7	0.7	156	<u>28.3</u>	8.0	8.0	25.9	25.9	83.5	83.6	5.6		9.8								
						7.7	0.7	157	<u>28.3</u>	8.0	8.0	25.9	25.9	83.7	83.6	5.7		9.7								
SR4A	Rainy	Moderate	14:55	0.0	Surface	1.0	0.0	9	<u>28.2</u>	8.1	8.1	26.5	26.5	75.8	75.8	5.1	5.1	6.4	5.8	7	8	817184	807812			
						1.0	0.1	3	<u>28.2</u>	8.1	8.1	26.5	26.5	75.8	75.8	5.1		6.4								
					Middle	4.7	0.1	355	<u>28.1</u>	8.1	8.1	26.8	26.8	76.4	76.5	5.1		5.6								
						4.7	0.0	356	<u>28.1</u>	8.1	8.1	26.8	26.8	76.5	76.5	5.2		5.6								
					Bottom	8.3	0.0	33	<u>28.1</u>	8.1	8.1	26.8	26.8	77.4	77.5	5.2		5.4								
						8.3	0.0	37	<u>28.1</u>	8.1	8.1	26.8	26.8	77.5	77.5	5.2		5.2								
SR8	Rainy	Moderate	13:32	0.0	Surface	1.0	-	-	<u>27.8</u>	7.9	7.9	24.8	24.8	79.9	79.9	5.5	5.5	2.9	4.2	3	4	820377	811609			
						1.0	-	-	<u>27.8</u>	7.9	7.9	24.8	24.8	79.9	79.9	5.5		2.9								
					Middle	-	-	-	-	-	-	-	-	-	-	-		-								
						-	-	-	-	-	-	-	-	-	-	-		-								
					Bottom	3.8	-	-	<u>27.6</u>	7.9	7.9	25.9	25.9	73.7	73.8	5.0		5.6								
						3.8	-	-	<u>27.6</u>	7.9	7.9	25.9	25.9	73.8	73.8	5.0		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 06 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	07:05	0.0	Surface	1.0	0.3	40	28.2	28.2	8.1	8.1	27.2	27.2	81.8	81.8	5.5	5.5	9.0	9.3	8	815613	804237	
						1.0	0.3	40	28.2	28.2	8.1	8.1	27.2	27.2	81.7	81.7	5.5							
					Middle	4.1	0.3	45	28.2	28.2	8.1	8.1	27.2	27.2	81.9	82.0	5.5							9.2
						4.1	0.3	51	28.2	28.2	8.1	8.1	27.2	27.2	82.0	82.0	5.5							9.3
					Bottom	7.2	0.4	19	27.9	27.9	8.1	8.1	27.5	27.5	81.9	82.0	5.5							9.5
						7.2	0.4	12	27.9	27.9	8.1	8.1	27.5	27.5	82.1	82.0	5.5							9.9
C2	Rainy	Moderate	08:50	0.0	Surface	1.0	0.3	5	28.5	28.5	8.0	8.0	24.2	24.2	78.5	78.5	5.3	5.1	9.0	10.9	9	825701	806948	
						1.0	0.3	8	28.5	28.5	8.0	8.0	24.2	24.2	78.4	78.4	5.3							
					Middle	5.8	0.3	7	27.9	27.9	8.0	8.0	26.3	26.3	72.8	72.8	4.9							9.1
						5.8	0.4	5	27.9	27.9	8.0	8.0	26.4	26.4	72.7	72.8	4.9							9.9
					Bottom	10.5	0.3	357	27.8	27.8	8.0	8.0	26.6	26.6	72.8	74.4	4.9							13.7
						10.5	0.3	355	27.8	27.8	8.0	8.0	26.6	26.6	75.9	74.4	5.1							13.6
C3	Rainy	Rough	06:19	0.0	Surface	1.0	0.4	253	27.8	27.8	7.9	7.9	24.6	24.6	82.8	82.8	5.7	5.4	3.2	4.8	6	822107	817813	
						1.0	0.4	259	27.8	27.8	7.9	7.9	24.6	24.6	82.8	82.8	5.7							
					Middle	6.6	0.4	271	27.5	27.5	7.9	7.9	25.9	25.9	75.2	75.1	5.1							4.9
						6.6	0.4	274	27.5	27.5	7.9	7.9	26.0	26.0	74.9	74.9	5.1							4.9
					Bottom	12.2	0.4	251	27.2	27.2	7.9	7.9	26.4	26.4	73.4	73.4	5.0							6.2
						12.2	0.4	251	27.2	27.2	7.9	7.9	26.4	26.4	73.4	73.4	5.0							6.3
IM1	Cloudy	Moderate	07:29	0.0	Surface	1.0	0.2	17	28.4	28.4	8.0	8.0	26.0	26.1	82.9	82.9	5.6	5.6	5.3	5.8	7	818363	806475	
						1.0	0.2	18	28.4	28.4	8.0	8.0	26.1	26.1	82.9	82.9	5.6							
					Middle	3.1	0.3	12	28.2	28.2	8.1	8.1	26.7	26.7	82.5	82.5	5.6							5.9
						3.1	0.3	17	28.2	28.2	8.1	8.1	26.8	26.8	82.5	82.5	5.5							5.9
					Bottom	5.2	0.3	18	28.1	28.1	8.1	8.1	27.1	27.1	82.7	83.0	5.6							6.2
						5.2	0.3	13	28.1	28.1	8.1	8.1	27.1	27.1	83.2	83.0	5.6							6.2
IM2	Rainy	Moderate	07:34	0.0	Surface	1.0	0.3	14	28.4	28.4	8.0	8.0	25.8	25.9	82.4	82.5	5.5	5.5	4.6	6.6	8	819193	806238	
						1.0	0.4	8	28.4	28.4	8.1	8.1	25.9	25.9	82.5	82.5	5.6							
					Middle	3.5	0.3	5	28.2	28.2	8.1	8.1	26.9	26.9	81.6	81.7	5.5							7.0
						3.5	0.3	10	28.2	28.2	8.1	8.1	27.0	27.0	81.7	81.7	5.5							7.2
					Bottom	6.0	0.3	30	28.1	28.1	8.1	8.1	27.1	27.1	82.7	82.9	5.6							8.2
						6.0	0.3	37	28.1	28.1	8.1	8.1	27.1	27.1	83.0	82.9	5.6							8.1
IM7	Rainy	Moderate	08:11	0.0	Surface	1.0	0.3	6	28.3	28.3	8.0	8.0	25.5	25.6	75.5	75.4	5.1	5.1	8.9	9.6	8	821339	806831	
						1.0	0.3	8	28.3	28.3	8.0	8.0	25.6	25.6	75.3	74.6	5.1							
					Middle	4.2	0.3	28	28.2	28.2	8.0	8.0	26.2	26.2	74.6	74.6	5.0							9.1
						4.2	0.3	22	28.2	28.2	8.0	8.0	26.2	26.2	74.6	74.6	5.0							9.1
					Bottom	7.4	0.2	355	28.2	28.2	8.0	8.0	26.2	26.2	76.9	77.1	5.2							10.9
						7.4	0.3	356	28.2	28.2	8.0	8.0	26.2	26.2	77.3	77.1	5.2							10.2

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	16:34	8.6	Surface	1.0	0.8	220	<u>28.5</u>	8.1	8.1	<u>26.2</u>	26.2	80.4	80.4	5.4	5.2	9.0	4.7	4	5	815643	804234	
						1.0	0.8	221	28.4	8.1	8.1	26.3	80.3	5.4	4.9	5								
					Middle	4.3	0.7	230	28.1	8.1	8.1	26.8	26.8	73.8	73.8	5.0			9.7	4				
						4.3	0.7	232	28.1	8.1	8.1	26.8	26.8	73.7	73.8	5.0			9.9	5				
					Bottom	7.6	0.8	222	28.0	8.1	8.1	26.8	26.8	73.9	74.0	5.0			12.2	5				
						7.6	0.8	215	28.0	8.1	8.1	26.8	26.8	74.0	74.0	5.0			12.5	6				
C2	Cloudy	Moderate	14:46	12.0	Surface	1.0	0.4	169	28.6	8.0	8.0	22.7	22.7	77.1	77.1	5.3	5.1	6.3	3.6	5	5	825658	806938	
						1.0	0.4	173	28.6	8.0	8.0	22.6	77.1	5.3	3.6	6								
					Middle	6.0	0.4	158	28.3	8.0	8.0	23.9	23.9	71.3	71.4	4.9			7.9	5				
						6.0	0.5	162	28.3	8.0	8.0	23.9	23.9	71.5	71.5	4.9			8.0	5				
					Bottom	11.0	0.5	177	28.4	8.0	8.0	23.8	23.8	71.9	72.0	4.9			7.5	5				
						11.0	0.5	175	28.4	8.0	8.0	23.8	23.8	72.1	72.0	4.9			7.2	5				
C3	Misty	Calm	15:52	11.2	Surface	1.0	0.6	59	27.7	7.6	7.6	26.4	26.4	81.4	81.4	5.5	5.3	4.0	3.6	4	5	822097	817824	
						1.0	0.6	63	27.7	7.6	7.6	26.4	81.3	5.5	3.6	5								
					Middle	5.6	0.5	75	26.9	7.6	7.6	28.1	28.1	74.9	73.2	5.1			4.0	6				
						5.6	0.6	78	26.9	7.6	7.6	28.2	28.1	71.5	73.2	4.9			4.1	5				
					Bottom	10.2	0.6	69	26.5	7.6	7.6	29.2	29.1	68.3	68.3	4.7			4.5	6				
						10.2	0.5	63	26.5	7.6	7.6	29.1	29.1	68.3	68.3	4.7			4.5	6				
IM1	Cloudy	Moderate	16:09	7.0	Surface	1.0	0.5	186	28.7	8.0	8.0	24.7	24.8	80.7	80.7	5.4	5.4	7.9	4.5	6	6	818355	806454	
						1.0	0.5	179	28.7	8.0	8.0	24.8	80.7	5.4	4.5	5								
					Middle	3.5	0.5	209	28.3	8.1	8.1	26.0	26.1	79.5	79.5	5.4			7.7	6				
						3.5	0.6	211	28.3	8.1	8.1	26.1	26.1	79.5	79.5	5.4			8.0	5				
					Bottom	6.0	0.5	217	28.1	8.1	8.1	26.5	26.5	74.6	74.8	5.0			11.5	6				
						6.0	0.6	223	28.1	8.1	8.1	26.5	26.5	74.9	74.8	5.1			11.3	6				
IM2	Cloudy	Moderate	15:58	7.6	Surface	1.0	0.5	197	28.6	8.1	8.1	25.3	25.4	80.9	80.9	5.5	5.2	7.2	4.5	5	5	819163	806251	
						1.0	0.6	202	28.5	8.1	8.1	25.4	25.4	80.8	80.9	5.5			4.6	6				
					Middle	3.8	0.5	193	28.1	8.1	8.1	26.4	26.4	73.2	73.2	4.9			8.3	4				
						3.8	0.6	187	28.1	8.1	8.1	26.4	26.4	73.2	73.2	4.9			8.4	5				
					Bottom	6.6	0.6	186	28.1	8.1	8.1	26.4	26.4	74.0	74.2	5.0			8.7	4				
						6.6	0.6	191	28.1	8.1	8.1	26.4	26.4	74.4	74.2	5.0			8.6	3				
IM7	Cloudy	Moderate	15:20	7.7	Surface	1.0	0.3	175	28.6	8.0	8.0	23.7	23.7	76.7	76.6	5.2	5.1	8.5	5.6	5	5	821337	806853	
						1.0	0.3	176	28.6	8.0	8.0	23.7	23.7	76.5	76.6	5.2			5.7	5				
					Middle	3.9	0.3	156	28.3	8.0	8.0	24.4	24.4	71.9	71.9	4.9			9.3	5				
						3.9	0.3	161	28.3	8.0	8.0	24.4	24.4	71.9	71.9	4.9			9.5	5				
					Bottom	6.7	0.4	158	28.3	8.0	8.0	24.5	24.5	72.9	73.0	5.0			10.6	4				
						6.7	0.4	163	28.3	8.0	8.0	24.5	24.5	73.1	73.0	5.0			10.6	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 08 June 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Misty	Calm	14:32	11.2	Surface	1.0	0.6	104	28.1	28.1	7.5	7.5	23.7	23.7	83.1	83.1	5.7	5.5	4.3	3.3	4	4	822217	809852		
						1.0	0.6	98	28.1		7.5		23.7		83.1		5.7			3.3		4				
						5.6	0.5	94	27.7	7.5	25.3	75.7	5.2	4.4	4											
					Middle	5.6	0.6	94	27.7	27.7	7.5	7.5	25.3	25.3	75.7	75.7	5.2	4.9	5.1	4.9	5.1	4			4	4
						10.2	0.6	124	27.8		7.5		26.2		72.1		4.9		5.1							
						10.2	0.6	120	27.8		7.5		26.1		72.5		4.9		5.1							
IM11	Misty	Calm	14:39	10.0	Surface	1.0	0.7	89	28.1	28.1	7.5	7.5	24.1	24.1	81.3	81.3	5.6	5.4	5.2	3.9	5	5	821506	810547		
						1.0	0.7	92	28.1		7.5		24.1		81.2		5.6			3.9		5				
						5.0	0.7	105	27.6	7.5	25.4	75.5	5.2	5.0	4											
					Middle	5.0	0.7	101	27.6	27.6	7.5	7.5	25.4	25.4	75.6	75.6	5.2	4.8	5.1	4.8	5.1	5			5	5
						9.0	0.7	79	27.5		7.5		26.0		70.2		4.8		6.5		4					
						9.0	0.6	80	27.5		7.5		26.0		70.3		4.8		6.6		4					
IM12	Misty	Calm	14:44	7.2	Surface	1.0	0.7	92	28.0	28.0	7.5	7.5	24.8	24.8	81.2	81.1	5.5	5.4	4.4	3.0	5	4	821178	811538		
						1.0	0.7	85	28.0		7.5		24.8		81.0		5.5			3.1		4				
						3.6	0.7	98	27.7	7.5	25.6	75.7	5.2	4.3	5											
					Middle	3.6	0.6	92	27.7	27.7	7.5	7.5	25.6	25.6	75.7	75.7	5.2	5.2	4.3	5.2	4.3	5			5	5
						6.2	0.7	83	27.7		7.5		25.5		76.2		5.2		5.9		5					
						6.2	0.7	83	27.8		7.5		25.4		76.6		5.2		5.7		5					
SR1A	Misty	Calm	15:03	5.8	Surface	1.0	0.0	93	27.9	27.9	7.5	7.5	25.0	25.0	78.3	78.3	5.3	5.3	4.2	3.8	5	4	819976	812660		
						1.0	0.0	92	27.9		7.5		25.0		78.2		5.3			3.8		5				
						2.9	-	105	-	-	-	-	-	-	-	-										
					Middle	2.9	0.0	102	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	5
						4.8	0.1	86	27.8		7.5		25.2		73.6		5.0		4.7		4					
						4.8	0.1	92	27.8		7.5		25.1		74.5		5.1		4.7		5					
SR2	Misty	Calm	15:23	4.0	Surface	1.0	0.7	40	27.9	27.9	7.5	7.5	25.5	25.5	76.1	76.2	5.2	5.2	6.1	5.6	4	5	821470	814174		
						1.0	0.7	45	27.9		7.5		25.5		76.2		5.2			5.6		5				
						-	0.7	45	-	-	-	-	-	-	-	-										
					Middle	-	0.7	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	4
						3.0	0.7	73	27.6		7.4		26.0		70.3		4.8		6.6		3					
						3.0	0.7	68	27.6		7.4		26.0		70.4		4.8		6.5		3					
SR3	Cloudy	Moderate	15:11	8.7	Surface	1.0	0.6	157	28.5	28.5	8.0	8.0	23.3	23.3	77.0	76.9	5.3	5.2	10.1	7.3	4	4	822169	807555		
						1.0	0.6	153	28.5		8.0		23.3		76.8		5.2			7.4		4				
						4.4	0.6	176	28.4	8.0	23.8	76.6	5.2	10.8	4											
					Middle	4.4	0.5	168	28.4	28.4	8.0	8.0	23.8	23.8	76.7	76.7	5.2	5.3	10.1	5.3	10.1	4			4	
						7.7	0.6	166	28.4		8.0		24.0		77.5		5.3		12.5		5					
						7.7	0.7	166	28.4		8.0		24.0		77.6		5.3		12.3		5					
SR4A	Cloudy	Moderate	17:07	9.0	Surface	1.0	0.0	9	28.6	28.6	8.0	8.0	24.4	24.4	74.9	75.0	5.1	5.0	9.5	6.3	5	4	817188	807788		
						1.0	0.0	12	28.6		8.0		24.5		75.0		5.1			6.5		4				
						4.5	0.0	359	28.3	8.1	25.0	70.3	4.8	10.5	5											
					Middle	4.5	0.0	352	28.3	28.3	8.1	8.1	25.0	25.0	70.4	70.4	4.8	4.8	11.0	4.8	11.0	4			4	
						8.0	0.0	350	28.3		8.1		25.2		70.8		4.8		11.2		5					
						8.0	0.1	345	28.3		8.1		25.2		71.0		4.8		11.4		6					
SR8	Misty	Calm	14:50	5.4	Surface	1.0	-	-	27.8	27.8	7.5	7.5	24.8	24.8	73.9	73.9	5.1	5.1	6.8	6.7	4	3	820402	811633		
						1.0	-	-	27.8		7.5		24.8		73.8		5.1			6.6		4				
						-	-	-	-	-	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	4
						4.4	-	-	27.4		7.4		26.2		69.3		4.7		7.0		4					
						4.4	-	-	27.4		7.4		26.2		69.3		4.7		7.0		4					

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
C1	Cloudy	Moderate	08:47	8.4	Surface	1.0	0.4	34	28.3	28.3	8.1	8.1	25.2	25.3	76.6	76.6	5.2	5.2	5.2	7.9	8.7	4	4	815603	804244			
						1.0	0.3	36	28.3		8.1		25.3		76.5		5.2					7.9				3		
					Middle	4.2	0.4	15	28.2	28.2	8.1	8.1	26.2	26.2	75.3	75.3	5.1	5.1	5.1	5.1	8.2	8.9	5.0			5.0	3	3
						4.2	0.4	22	28.1		8.1		26.2		75.3		5.1										4	
					Bottom	7.4	0.3	21	28.1	28.1	8.1	8.1	26.4	26.4	75.2	75.3	5.1	5.1	5.1	5.1	10.0	9.4	5.0			5.0	4	4
						7.4	0.3	16	28.1		8.1		26.4		75.3		5.1										4	
C2	Rainy	Moderate	10:20	11.5	Surface	1.0	0.6	5	28.6	28.6	8.0	8.0	22.6	22.6	77.9	77.9	5.3	5.3	5.3	3.7	8.0	5	5	825697	806956			
						1.0	0.6	12	28.6		8.0		22.6		77.9		5.3					3.7				5		
					Middle	5.8	0.6	4	28.3	28.3	8.0	8.0	23.8	23.8	71.6	71.6	4.9	4.9	4.9	4.9	11.9	11.1	5.0			5.0	5	5
						5.8	0.6	3	28.3		8.0		23.9		71.5		4.9										5	
					Bottom	10.5	0.6	0	28.3	28.3	8.0	8.0	23.9	23.9	72.4	72.5	4.9	4.9	4.9	4.9	11.9	11.1	5.0			5.0	4	4
						10.5	0.6	354	28.3		8.0		23.9		72.6		5.0										4	
C3	Misty	Calm	08:43	12.0	Surface	1.0	0.5	263	27.3	27.3	7.4	7.4	26.3	26.3	75.2	75.2	5.1	5.1	5.1	2.9	3.1	4	4	822124	817779			
						1.0	0.5	270	27.3		7.4		26.3		75.2		5.1					2.9				5		
					Middle	6.0	0.6	244	26.9	26.9	7.4	7.4	27.9	27.9	69.7	69.8	4.8	4.8	4.8	4.8	3.0	3.0	5.0			5.0	5	5
						6.0	0.5	249	26.9		7.4		27.9		69.8		4.8										4	
					Bottom	11.0	0.5	277	26.5	26.5	7.3	7.3	28.9	28.9	64.7	64.7	4.4	4.4	4.4	4.4	3.4	3.4	5.0			5.0	6	6
						11.0	0.5	281	26.5		7.3		28.9		64.7		4.4										6	
IM1	Rainy	Moderate	09:11	6.7	Surface	1.0	0.3	22	28.4	28.4	8.0	8.0	24.9	25.0	75.4	75.3	5.1	5.1	5.1	6.8	8.6	4	4	818354	806450			
						1.0	0.4	22	28.3		8.0		25.0		75.2		5.1					6.5				4		
					Middle	3.4	0.3	15	28.2	28.2	8.0	8.0	26.0	26.0	73.1	73.1	4.9	4.9	4.9	4.9	8.8	8.8	5.0			5.0	5	5
						3.4	0.3	11	28.2		8.0		26.0		73.0		4.9										4	
					Bottom	5.7	0.3	11	28.1	28.1	8.0	8.0	26.2	26.2	74.2	74.4	5.0	5.0	5.0	5.0	10.6	10.2	5.0			5.0	5	5
						5.7	0.3	5	28.1		8.0		26.2		74.4		5.0										4	
IM2	Rainy	Moderate	09:15	6.9	Surface	1.0	0.3	3	28.3	28.3	8.0	8.0	25.3	25.3	73.2	73.1	5.0	4.9	4.9	6.9	9.8	4	4	819163	806254			
						1.0	0.3	8	28.3		8.0		25.3		73.0		4.9					4						
					Middle	3.5	0.3	17	28.2	28.2	8.0	8.0	25.7	25.7	73.0	73.1	4.9	4.9	4.9	10.7	10.9	5.0	5.0			4	4	
						3.5	0.4	18	28.2		8.0		25.7		73.1		4.9									5		
					Bottom	5.9	0.3	355	28.2	28.2	8.0	8.0	25.7	25.7	73.5	73.6	5.0	5.0	5.0	11.5	11.5	5.0	5.0			5	5	
						5.9	0.2	0	28.2		8.0		25.7		73.6		5.0									5		
IM7	Rainy	Moderate	09:50	7.4	Surface	1.0	0.3	352	28.6	28.6	8.0	8.0	23.9	23.9	75.3	75.2	5.1	5.1	5.1	6.2	9.6	3	3	821351	806822			
						1.0	0.2	354	28.5		8.0		23.9		75.1		5.1					6.4				4		
					Middle	3.7	0.2	353	28.3	28.3	8.0	8.0	24.4	24.4	73.5	73.5	5.0	5.0	5.0	11.1	11.1	5.0	5.0			4	4	
						3.7	0.2	352	28.3		8.0		24.4		73.5		5.0									5		
					Bottom	6.4	0.2	329	28.3	28.3	8.0	8.0	24.5	24.5	74.4	74.5	5.1	5.1	5.1	11.4	11.4	5.0	5.0			6	6	
						6.4	0.2	336	28.3		8.0		24.5		74.6		5.1									6		

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Misty	Calm	10:01	11.6	Surface	1.0	0.5	284	<u>28.1</u>	7.5	7.5	<u>23.8</u>	23.8	<u>81.7</u>	81.7	5.6	5.3	4.6	5.6	5	822225	809814		
						1.0	0.6	287	28.1	7.5	7.5	23.8	23.8	81.7	5.6	4.6		5						
					Middle	5.8	0.5	289	<u>27.5</u>	7.5	7.5	<u>26.0</u>	26.1	<u>74.0</u>	73.9	5.1		5.3		5.3			6	
						5.8	0.5	290	27.4	7.5	7.5	26.2	26.1	73.7	5.0	5.3		5						
					Bottom	10.6	0.5	298	<u>27.4</u>	7.5	7.5	<u>26.2</u>	26.2	<u>68.2</u>	68.3	4.7		4.7		6.8			6	
						10.6	0.5	305	27.4	7.5	7.5	26.1	26.2	68.3	4.7	6.8		5						
IM11	Misty	Calm	09:54	8.8	Surface	1.0	0.5	286	<u>28.1</u>	7.5	7.5	<u>24.0</u>	24.0	<u>81.8</u>	81.8	5.6	5.6	3.9	5.2	4	821487	810554		
						1.0	0.5	282	28.1	7.5	7.5	24.0	24.0	81.8	5.6	3.9		5						
					Middle	4.4	0.5	274	<u>27.8</u>	7.5	7.5	<u>24.7</u>	24.7	<u>79.7</u>	79.7	5.5		5.5		4.7			5	
						4.4	0.5	268	27.8	7.5	7.5	24.7	24.7	79.7	5.5	4.6		6						
					Bottom	7.8	0.5	255	<u>27.6</u>	7.5	7.5	<u>25.4</u>	25.3	<u>73.9</u>	74.1	5.1		5.1		7.0			5	
						7.8	0.5	256	27.7	7.5	7.5	25.3	25.3	74.2	5.1	6.9		6						
IM12	Misty	Calm	09:49	7.8	Surface	1.0	0.5	288	<u>28.0</u>	7.5	7.5	<u>24.7</u>	24.7	<u>83.0</u>	83.0	5.7	5.5	2.8	4.3	5	821149	811503		
						1.0	0.5	290	28.0	7.5	7.5	24.7	24.7	83.0	5.7	2.8		6						
					Middle	3.9	0.5	295	<u>27.7</u>	7.5	7.5	<u>25.3</u>	25.3	<u>77.5</u>	77.5	5.3		5.3		4.6			5	
						3.9	0.4	299	27.8	7.5	7.5	25.3	25.3	77.5	5.3	4.6		5						
					Bottom	6.8	0.6	284	<u>27.6</u>	7.5	7.5	<u>25.8</u>	25.8	<u>73.7</u>	73.8	5.0		5.1		5.4			4	
						6.8	0.6	285	27.6	7.5	7.5	25.8	25.8	73.9	5.1	5.5		5						
SR1A	Misty	Calm	09:23	4.8	Surface	1.0	0.1	205	<u>27.8</u>	7.5	7.5	<u>24.7</u>	24.7	<u>77.7</u>	77.7	5.3	5.3	2.1	2.9	4	819982	812661		
						1.0	0.1	197	27.8	7.5	7.5	24.7	24.7	77.6	5.3	2.1		4						
					Middle	2.4	0.1	196	-	-	-	-	-	-	-	-		-		-			-	
						2.4	0.0	195	-	-	-	-	-	-	-	-		-		-				
					Bottom	3.8	0.0	202	<u>28.5</u>	7.4	7.4	<u>24.7</u>	24.7	<u>71.5</u>	71.5	4.8		4.8		3.9			5	
						3.8	0.0	205	28.6	7.4	7.4	24.6	24.7	71.4	4.8	3.8		5						
SR2	Misty	Calm	09:07	4.4	Surface	1.0	0.1	254	<u>27.6</u>	7.5	7.5	<u>25.4</u>	25.4	<u>74.7</u>	74.7	5.1	5.1	3.2	3.7	6	821450	814186		
						1.0	0.1	255	27.6	7.5	7.5	25.4	25.4	74.7	5.1	3.2		5						
					Middle	-	0.2	270	-	-	-	-	-	-	-	-		-		-				
						-	0.1	264	-	-	-	-	-	-	-	-		-		-				
					Bottom	3.4	0.2	243	<u>28.1</u>	7.4	7.4	<u>24.6</u>	24.5	<u>68.9</u>	68.8	4.7		4.7		4.1			4	
						3.4	0.2	235	28.2	7.4	7.4	24.4	24.5	68.6	4.7	4.2		4						
SR3	Rainy	Moderate	09:56	8.7	Surface	1.0	0.4	340	<u>28.5</u>	8.0	8.0	<u>23.7</u>	23.7	<u>77.1</u>	77.1	5.3	5.2	8.7	9.4	4	822163	807580		
						1.0	0.3	338	28.4	8.0	8.0	23.8	23.7	77.0	5.2	9.0		4						
					Middle	4.4	0.3	339	<u>28.3</u>	8.0	8.0	<u>24.3</u>	24.3	<u>76.6</u>	76.6	5.2		5.2		9.1			5	
						4.4	0.3	335	28.3	8.0	8.0	24.3	24.3	76.6	5.2	9.1		6						
					Bottom	7.7	0.3	330	<u>28.3</u>	8.0	8.0	<u>24.4</u>	24.4	<u>78.1</u>	78.2	5.3		5.3		10.7			6	
						7.7	0.3	323	28.3	8.0	8.0	24.4	24.4	78.2	5.3	10.0		5						
SR4A	Cloudy	Moderate	08:19	8.7	Surface	1.0	0.0	203	<u>28.4</u>	8.0	8.0	<u>23.6</u>	23.6	<u>77.2</u>	77.1	5.3	5.2	4.1	7.2	5	817170	807813		
						1.0	0.0	203	28.4	8.0	8.0	23.6	23.6	77.0	5.3	4.2		4						
					Middle	4.4	0.0	194	<u>28.3</u>	8.0	8.0	<u>24.1</u>	24.2	<u>73.2</u>	73.0	5.0		5.0		6.3			5	
						4.4	0.1	186	28.3	8.0	8.0	24.2	24.2	72.8	5.0	6.9		4						
					Bottom	7.7	0.1	187	<u>28.2</u>	7.9	7.9	<u>24.4</u>	24.4	<u>72.3</u>	72.4	4.9		4.9		11.0			5	
						7.7	0.1	180	28.2	7.9	7.9	24.4	24.4	72.4	4.9	10.7		5						
SR8	Misty	Calm	09:43	5.4	Surface	1.0	-	-	<u>27.9</u>	7.5	7.5	<u>24.7</u>	24.7	<u>76.7</u>	76.7	5.2	5.2	4.7	4.9	4	820384	811613		
						1.0	-	-	27.9	7.5	7.5	24.7	24.7	76.6	5.2	4.7		5						
					Middle	-	-	-	-	-	-	-	-	-	-	-		-		-				
						-	-	-	-	-	-	-	-	-	-	-		-		-				
					Bottom	4.4	-	-	<u>27.4</u>	7.4	7.4	<u>26.2</u>	26.2	<u>69.2</u>	69.2	4.7		4.7		5.1			5	
						4.4	-	-	27.5	7.4	7.4	26.2	26.2	69.2	4.7	5.1		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 10 June 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA					
C1	Fine	Rough	05:36	8.4	Surface	1.0	0.2	188	<u>28.7</u>	28.7	8.0	8.0	<u>23.3</u>	23.3	<u>76.8</u>	76.8	5.2	5.1	2.5	6.2	2	4	815601	804239							
						1.0	0.2	184	28.7		8.0		23.3	23.3	76.7	76.8	5.2		2.6		3										
					Middle	4.2	0.1	180	<u>28.5</u>	8.0	8.0	24.5	24.5	<u>72.4</u>	72.4	4.9	4.9	6.1	4												
						4.2	0.1	180	28.5	8.0	8.0	24.5	24.5	72.4	72.4	4.9	4.9	6.1	4												
					Bottom	7.4	0.1	177	<u>28.2</u>	28.2	8.0	8.0	<u>26.5</u>	26.5	<u>68.3</u>	68.3	4.6	4.6	9.8	4											
						7.4	0.1	178	28.2		8.0		26.5	26.5	68.3	68.3	4.6	4.6	9.9	4											
					C2	Fine	Moderate	07:02	9.5	Surface	1.0	0.4	167	<u>29.0</u>	29.0	8.1	8.1	<u>19.5</u>	19.5	<u>80.0</u>	80.0	5.5			5.4	2.1	2.6	3	3	825660	806941
											1.0	0.4	170	29.0		8.1		19.5	19.5	80.0	80.0	5.5				2.1		3			
Middle	4.8	0.3	170	<u>28.9</u>						28.9	8.1	8.1	21.7	21.6	<u>77.5</u>	77.5	5.3	5.3	2.1	2											
	4.8	0.4	170	28.9							8.1		21.6	21.6	77.5	77.5	5.3	2.1	2												
Bottom	8.5	0.3	166	<u>28.7</u>						28.7	8.1	8.1	<u>23.2</u>	23.2	<u>72.8</u>	72.8	5.0	5.0	3.6	3											
	8.5	0.4	166	28.7							8.1		23.2	23.2	72.8	72.8	5.0	3.6	3												
C3	Misty	Calm	06:45	11.2						Surface	1.0	0.1	42	<u>27.8</u>	27.8	7.4	7.4	<u>23.8</u>	23.8	<u>79.9</u>	79.9	5.5	5.3	2.3	2.8	5	4	822132	817817		
											1.0	0.2	34	27.8		7.4		23.8	23.8	79.8	79.9	5.5		2.3		4					
					Middle	5.6	0.1	34	<u>27.5</u>	27.5	7.4	7.4	25.2	25.2	<u>72.4</u>	72.4	5.0	5.0	2.6	4											
						5.6	0.1	29	27.5		7.4		25.2	25.2	72.4	72.4	5.0	2.6	4												
					Bottom	10.2	0.1	35	<u>26.4</u>	26.4	7.4	7.4	<u>29.0</u>	29.0	<u>64.7</u>	64.7	4.4	4.4	3.4	3											
						10.2	0.0	40	26.4		7.4		29.0	29.0	64.7	64.7	4.4	3.4	4												
					IM1	Fine	Moderate	05:54	7.8	Surface	1.0	0.1	195	<u>28.5</u>	28.5	8.1	8.1	<u>22.2</u>	22.2	<u>83.4</u>	83.4	5.7	5.3	2.3	4.3	4	4			818372	806450
											1.0	0.1	195	28.5		8.1		22.2	22.2	83.3	83.4	5.7		2.3		3					
Middle	3.9	0.1	197	<u>28.6</u>						28.6	8.1	8.1	24.1	24.0	<u>71.3</u>	71.3	4.8	4.8	3.2	4											
	3.9	0.1	189	28.6							8.1		24.0	24.0	71.3	71.3	4.8	3.2	4												
Bottom	6.8	0.1	167	<u>28.1</u>						28.1	8.1	8.1	<u>26.5</u>	26.5	<u>64.2</u>	64.3	4.3	4.3	7.4	4											
	6.8	0.2	164	28.1							8.1		26.5	26.5	64.3	64.3	4.3	7.4	4												
IM2	Fine	Moderate	06:04	7.7						Surface	1.0	0.1	204	<u>28.6</u>	28.6	8.1	8.1	<u>22.8</u>	22.8	<u>79.6</u>	79.6	5.4	5.2	2.4	3.6	4	3	819161	806252		
											1.0	0.1	208	28.6		8.1		22.8	22.8	79.6	79.6	5.4		2.4		3					
					Middle	3.9	0.1	210	<u>28.6</u>	28.6	8.1	8.1	23.6	23.6	<u>73.5</u>	73.5	5.0	5.0	3.0	4											
						3.9	0.1	208	28.6		8.1		23.6	23.6	73.4	73.5	5.0	3.1	4												
					Bottom	6.7	0.1	211	<u>28.1</u>	28.1	8.1	8.1	<u>26.5</u>	26.5	<u>66.7</u>	67.0	4.5	4.5	5.5	2											
						6.7	0.1	210	28.1		8.1		26.5	26.5	67.2	67.0	4.5	5.5	3												
					IM7	Fine	Moderate	06:23	7.9	Surface	1.0	0.1	189	<u>28.6</u>	28.6	8.1	8.1	21.2	21.2	<u>86.1</u>	86.1	5.9	5.6	1.7	3.3	4	4			821333	806839
											1.0	0.1	189	28.6		8.1		21.1	21.2	86.1	86.1	5.9		1.7		4					
Middle	4.0	0.0	197	<u>28.5</u>						28.5	8.1	8.1	23.1	23.1	<u>75.8</u>	75.8	5.2	5.2	3.1	3											
	4.0	0.1	201	28.5							8.1		23.1	23.1	75.7	75.8	5.2	3.1	4												
Bottom	6.9	0.0	211	<u>28.1</u>						28.1	8.1	8.1	<u>26.4</u>	26.4	<u>64.2</u>	64.2	4.3	4.3	5.1	4											
	6.9	0.0	207	28.1							8.1		26.4	26.4	64.2	64.2	4.3	5.1	4												

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Rainy	Rough	10:56	7.9	Surface	1.0	0.3	40	29.2	29.2	8.2	8.2	23.0	23.0	81.8	81.8	5.5	5.3	2.0	5.2	4	4	815641	804266		
						1.0	0.2	35	29.2		8.2		23.0		81.7		5.5		2.1		4					
					Middle	4.0	0.3	43	28.5	28.6	8.3	8.3	25.5	25.5	73.6	73.7	5.0	5.0	3.8	5.0	3				5.0	3
						4.0	0.4	45	28.6		8.3		25.5		73.8		5.0		3.9		4					
					Bottom	6.9	0.3	22	28.0	28.0	8.3	8.3	27.3	27.3	66.3	66.3	4.5	4.5	9.8	4.5	3				4.5	3
						6.9	0.3	22	28.0		8.3		27.3		66.3		4.5		9.8		3					
C2	Rainy	Rough	09:30	9.1	Surface	1.0	0.1	323	29.2	29.2	8.0	8.0	19.3	19.3	81.1	81.1	5.6	5.2	1.8	4.4	3	3	825684	806927		
						1.0	0.1	326	29.2		8.0		19.3		81.1		5.6		1.8		4					
					Middle	4.6	0.1	330	28.9	28.9	8.0	8.0	22.0	22.0	70.9	70.9	4.8	4.8	2.2	4.8	3				4.8	3
						4.6	0.2	324	28.9		8.0		22.0		70.8		4.8		2.2		3					
					Bottom	8.1	0.1	328	28.6	28.6	8.1	8.1	23.9	23.9	67.8	67.9	4.6	4.6	9.3	4.6	2				4.6	2
						8.1	0.1	329	28.6		8.1		23.9		67.9		4.6		9.3		2					
C3	Misty	Calm	10:39	9.4	Surface	1.0	0.5	249	28.4	28.4	7.6	7.6	23.9	23.9	81.9	81.9	5.6	5.3	3.1	4.7	3	4	822117	817806		
						1.0	0.5	250	28.4		7.6		23.9		81.8		5.6		3.1		3					
					Middle	4.7	0.5	274	26.9	26.9	7.6	7.6	27.4	27.4	71.3	71.4	4.9	4.9	4.7	4.9	4				4.9	4
						4.7	0.5	276	26.9		7.6		27.3		71.5		4.9		4.7		4					
					Bottom	8.4	0.4	281	26.5	26.5	7.5	7.5	28.3	28.3	66.8	66.8	4.6	4.6	6.3	4.6	4				4.6	4
						8.4	0.4	278	26.5		7.5		28.3		66.7		4.6		6.3		5					
IM1	Rainy	Moderate	10:38	6.9	Surface	1.0	0.2	19	28.9	28.9	8.2	8.2	22.8	22.8	81.3	81.3	5.5	5.3	2.4	2.9	3	3	818358	806443		
						1.0	0.1	15	28.9		8.2		22.8		81.3		5.5		2.4		4					
					Middle	3.5	0.2	23	28.7	28.7	8.2	8.2	24.0	24.0	74.5	74.5	5.0	5.0	2.6	5.0	4				5.0	4
						3.5	0.1	21	28.7		8.2		24.0		74.4		5.0		2.6		3					
					Bottom	5.9	0.2	8	28.2	28.2	8.3	8.3	26.3	26.3	63.2	63.2	4.3	4.3	3.9	4.3	2				4.3	2
						5.9	0.1	11	28.2		8.3		26.3		63.2		4.3		3.9		3					
IM2	Rainy	Moderate	10:29	7.1	Surface	1.0	0.1	307	28.7	28.7	8.2	8.2	22.6	22.6	82.6	82.6	5.6	5.4	2.4	3.5	3	3	819164	806253		
						1.0	0.2	308	28.7		8.2		22.6		82.6		5.6		2.5		3					
					Middle	3.6	0.2	315	28.7	28.7	8.2	8.2	23.6	23.6	76.9	76.9	5.2	5.2	2.8	5.2	2				5.2	2
						3.6	0.2	309	28.7		8.2		23.6		76.9		5.2		2.8		4					
					Bottom	6.1	0.2	310	28.2	28.2	8.2	8.2	26.2	26.2	63.3	63.3	4.3	4.3	5.2	4.3	3				4.3	3
						6.1	0.1	315	28.2		8.2		26.2		63.3		4.3		5.2		2					
IM7	Rainy	Rough	10:09	7.4	Surface	1.0	0.1	296	28.8	28.8	8.3	8.3	23.4	23.4	78.3	78.3	5.3	5.1	2.5	3.7	4	4	821361	806820		
						1.0	0.1	292	28.8		8.3		23.4		78.3		5.3		2.5		4					
					Middle	3.7	0.1	293	28.6	28.6	8.3	8.3	24.1	24.1	72.8	72.8	4.9	4.9	3.4	4.9	4				4.9	4
						3.7	0.1	291	28.6		8.3		24.1		72.8		4.9		3.5		5					
					Bottom	6.4	0.2	286	28.2	28.2	8.4	8.4	26.2	26.2	64.3	64.4	4.3	4.3	5.0	4.3	4				4.3	4
						6.4	0.2	282	28.2		8.4		26.2		64.4		4.3		5.0		4					

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 June 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	08:48	8.4	Surface	1.0	0.3	195	28.3	8.0	8.0	24.2	24.2	125.9	123.9	8.6	7.0	5.4	6.2	6	7	815606	804265	
						1.0	0.2	189	28.3	8.0	8.0	24.2	24.2	121.9	8.3	5.3								
					Middle	4.2	0.2	208	27.1	8.1	8.1	27.4	27.4	80.2	80.3	5.5		5.7						
						4.2	0.2	204	27.1	8.1	8.1	27.4	27.4	80.3	5.5	5.8								
					Bottom	7.4	0.2	215	27.0	8.0	8.0	27.8	27.7	72.2	72.6	4.9		7.2						
						7.4	0.2	218	27.0	8.0	8.0	27.7	27.7	73.0	5.0	5.0		7.6						
C2	Sunny	Moderate	10:45	11.8	Surface	1.0	0.5	171	28.2	8.3	8.3	20.1	19.8	116.3	116.0	8.1	6.9	6.5	7.0	4	5	825658	806956	
						1.0	0.6	164	28.1	8.3	8.3	19.5	19.5	115.7	8.1	6.6								
					Middle	5.9	0.6	175	27.6	8.1	8.1	25.0	25.0	81.8	81.8	5.6		8.4						
						5.9	0.6	178	27.5	8.1	8.1	25.1	25.1	81.8	5.6	8.4								
					Bottom	10.8	0.6	170	27.5	8.0	8.0	25.2	25.2	77.0	77.1	5.3		6.0						
						10.8	0.6	173	27.5	8.0	8.0	25.2	25.2	77.2	5.3	5.3		6.0						
C3	Misty	Calm	09:29	10.0	Surface	1.0	0.3	90	28.7	8.2	8.2	24.7	24.7	103.9	103.8	7.0	7.0	4.0	4.5	7	8	822121	817799	
						1.0	0.4	84	28.7	8.2	8.2	24.7	24.7	103.7	7.0	3.9								
					Middle	5.0	0.3	92	28.5	8.2	8.2	25.2	25.2	101.5	101.5	6.9		4.4						
						5.0	0.3	92	28.5	8.2	8.2	25.2	25.2	101.5	6.9	4.4								
					Bottom	9.0	0.3	101	28.1	8.2	8.2	26.0	26.0	80.5	80.4	5.5		5.1						
						9.0	0.3	104	28.1	8.2	8.2	26.0	26.0	80.3	5.4	5.5		5.2						
IM1	Sunny	Moderate	09:11	6.8	Surface	1.0	0.2	181	28.8	8.1	8.1	21.3	21.2	137.6	135.9	9.4	7.3	4.9	6.2	8	8	818365	806477	
						1.0	0.3	178	28.8	8.1	8.1	21.2	21.2	134.1	9.2	4.9								
					Middle	3.4	0.2	193	27.0	8.0	8.0	27.6	27.7	78.4	77.9	5.4		6.4						
						3.4	0.2	186	27.0	8.0	8.0	27.7	27.7	77.4	5.3	6.5								
					Bottom	5.8	0.2	167	26.9	8.0	8.0	28.0	28.0	73.6	74.2	5.0		7.0						
						5.8	0.2	171	26.9	8.0	8.0	28.0	28.0	74.7	5.1	5.1		7.4						
IM2	Sunny	Moderate	09:20	6.4	Surface	1.0	0.2	187	27.2	8.1	8.1	26.5	26.6	77.8	76.8	5.3	5.0	12.8	11.8	7	8	819186	806234	
						1.0	0.2	184	27.2	8.0	8.0	26.7	26.7	75.7	5.2	12.5								
					Middle	3.2	0.2	192	26.9	8.0	8.0	27.6	27.7	69.9	69.8	4.8		12.1						
						3.2	0.2	185	26.8	8.0	8.0	27.7	27.7	69.6	4.8	12.0								
					Bottom	5.4	0.1	190	26.6	8.0	8.0	28.4	28.3	60.4	60.5	4.1		10.7						
						5.4	0.1	186	26.6	8.0	8.0	28.3	28.3	60.6	4.2	4.2		10.8						
IM7	Sunny	Moderate	09:58	7.4	Surface	1.0	0.3	205	29.4	8.3	8.3	21.4	21.3	166.5	166.1	11.3	8.3	6.2	9.7	9	9	821346	806822	
						1.0	0.2	203	29.4	8.3	8.3	21.3	21.3	165.6	11.2	6.3								
					Middle	3.7	0.2	194	27.6	8.0	8.0	25.2	25.2	77.9	77.8	5.3		10.0						
						3.7	0.2	196	27.6	8.0	8.0	25.2	25.2	77.7	5.3	5.3		10.4						
					Bottom	6.4	0.2	204	27.6	8.0	8.0	25.2	25.2	78.7	80.6	5.4		12.6						
						6.4	0.2	197	27.7	8.0	8.0	25.2	25.2	82.4	5.6	5.5		12.9						

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Water Quality Monitoring

Water Quality Monitoring Results on 13 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	15:24	8.0	Surface	1.0	0.3	33	29.4	29.4	8.1	8.1	15.9	15.8	140.5	140.5	9.8	8.7	5.4	9.4	5	5	815626	804239
						1.0	0.3	31	29.4		8.1		15.8		140.5		9.8		5.5		5			
					Middle	4.0	0.3	14	28.7	28.7	8.1	8.1	20.8	20.7	113.0	109.9	7.8	5.4	12.4	5.4	5			
						4.0	0.3	21	28.7		8.1		20.5		106.8		7.4		12.0		5			
					Bottom	7.0	0.2	18	27.0	27.1	8.0	8.0	27.0	26.9	76.1	78.1	5.2	5.4	10.1	5.4	4			
						7.0	0.2	15	27.1		8.0		26.8		80.1		5.5		11.0		4			
C2	Sunny	Moderate	13:50	11.9	Surface	1.0	0.1	207	29.4	29.4	8.2	8.1	17.7	17.5	147.3	144.6	10.2	7.8	6.8	5.9	4	5	825693	806925
						1.0	0.0	212	29.4		8.1		17.5		141.9		9.8		7.0		4			
					Middle	6.0	0.1	226	27.5	27.5	8.1	8.1	25.1	25.1	82.8	82.2	5.7	5.4	6.4	5.4	4			
						6.0	-	229	27.5		8.1		25.2		81.6		5.6		5.8		5			
					Bottom	10.9	0.0	210	27.5	27.5	8.1	8.1	25.4	25.4	78.3	78.3	5.4	5.4	4.8	5.4	5			
						10.9	0.0	203	27.5		8.1		25.4		78.3		5.4		4.7		6			
C3	Misty	Calm	15:39	12.0	Surface	1.0	0.4	256	29.5	29.5	8.4	8.4	22.8	22.8	137.3	137.4	9.2	7.1	1.3	2.5	9	8	822099	817812
						1.0	0.4	261	29.5		8.4		22.9		137.4		9.2		1.3		9			
					Middle	6.0	0.4	254	27.9	27.9	8.1	8.1	26.3	26.3	72.0	72.1	4.9	5.5	2.6	5.5	8			
						6.0	0.4	247	27.9		8.1		26.3		72.1		4.9		2.7		9			
					Bottom	11.0	0.3	257	28.1	28.2	8.1	8.1	27.1	27.1	80.9	81.3	5.4	5.5	3.5	5.5	7			
						11.0	0.3	252	28.2		8.2		27.1		81.7		5.5		3.6		7			
IM1	Sunny	Moderate	15:01	6.2	Surface	1.0	0.1	6	28.8	28.8	8.3	8.3	19.8	19.8	143.7	139.3	10.0	8.2	3.7	3.5	7	7	818345	806478
						1.0	0.1	0	28.7		8.3		19.9		134.9		9.4		3.8		7			
					Middle	3.1	0.1	16	27.6	27.6	8.0	8.0	26.1	26.1	96.4	96.3	6.6	5.3	3.4	5.3	7			
						3.1	0.1	19	27.6		8.0		26.1		96.1		6.6		3.7		7			
					Bottom	5.2	0.2	349	26.9	26.9	7.8	7.8	28.0	28.0	76.2	77.1	5.2	4.9	3.4	4.9	7			
						5.2	0.2	349	26.9		7.8		28.0		77.9		5.3		3.0		8			
IM2	Sunny	Moderate	14:55	6.8	Surface	1.0	0.1	319	28.9	28.9	8.3	8.3	22.0	22.0	164.6	164.2	11.2	8.2	5.1	8.2	5	5	819188	806225
						1.0	0.2	324	28.9		8.3		22.0		163.7		11.2		5.0		4			
					Middle	3.4	0.1	337	27.0	27.0	8.1	8.1	27.1	27.1	76.9	76.4	5.3	4.9	11.5	4.9	5			
						3.4	0.1	343	27.0		8.1		27.1		75.8		5.2		12.0		5			
					Bottom	5.8	0.1	350	26.9	26.9	8.0	8.0	27.4	27.4	70.6	71.0	4.8	6.7	7.3	6.7	7			
						5.8	0.0	354	26.9		8.0		27.4		71.4		4.9		7.9		6			
IM7	Sunny	Moderate	14:23	7.6	Surface	1.0	0.2	251	29.5	29.5	8.2	8.2	20.0	20.0	182.2	182.2	12.5	10.7	4.9	8.5	4	6	821347	806813
						1.0	0.2	248	29.5		8.2		20.0		182.1		12.5		4.9		5			
					Middle	3.8	0.2	259	28.3	28.3	8.1	8.1	23.7	23.8	131.9	131.4	9.0	6.7	9.2	6.7	5			
						3.8	0.1	260	28.2		8.1		23.8		130.8		8.9		9.4		6			
					Bottom	6.6	0.2	255	27.9	27.9	7.8	7.8	24.4	24.4	96.7	97.0	6.6	6.7	11.2	6.7	7			
						6.6	0.2	258	27.9		7.8		24.4		97.3		6.7		11.3		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 15 June 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Moderate	11:17	8.4	Surface	1.0	0.6	203	30.6	30.6	8.5	8.5	13.6	13.3	94.3	94.2	6.5	6.0	2.9	2.2	4	6	815603	804228
						1.0	0.6	195	30.6		8.6		13.0	94.0	6.5	2.9	5							
					Middle	4.2	0.6	199	28.2	28.2	8.2	8.2	26.6	26.6	81.4	81.4	5.4	5.4	2.0	6				
						4.2	0.5	199	28.2		8.2	8.2	26.6	26.6	81.4	81.4	5.4	5.4	2.0	6				
					Bottom	7.4	0.6	197	28.1	28.2	8.2	8.2	26.6	26.5	81.8	81.9	5.5	5.5	1.9	6				
						7.4	0.6	202	28.2		8.2	8.2	26.5	26.5	81.9	81.9	5.5	5.5	1.9	6				
C2	Rainy	Moderate	09:54	12.0	Surface	1.0	0.5	182	30.4	30.4	8.5	8.5	13.7	13.7	93.4	93.2	6.5	6.3	3.7	3.3	4	5	825664	806953
						1.0	0.5	187	30.4		8.5		13.6	93.0	6.4	3.7	4							
					Middle	6.0	0.4	168	28.7	28.7	8.2	8.2	22.5	22.5	90.5	90.5	6.1	6.1	3.3	4				
						6.0	0.4	170	28.7		8.2	8.2	22.5	22.5	90.5	90.5	6.1	6.1	3.3	4				
					Bottom	11.0	0.4	163	28.4	28.4	8.2	8.2	24.5	24.5	79.2	79.4	5.3	5.4	3.0	6				
						11.0	0.4	164	28.4		8.2	8.2	24.5	24.5	79.5	79.4	5.4	5.4	2.9	5				
C3	Rainy	Calm	11:27	11.4	Surface	1.0	0.4	58	28.2	28.2	8.1	8.1	23.2	23.2	82.6	82.6	5.7	5.5	2.4	3.8	5	6	822113	817820
						1.0	0.4	50	28.2		8.1		23.2	82.6	5.7	2.4	6							
					Middle	5.7	0.4	55	27.7	27.7	8.1	8.1	25.5	25.5	78.2	78.2	5.3	5.3	3.9	6				
						5.7	0.4	59	27.7		8.1	8.1	25.5	25.5	78.2	78.2	5.3	5.3	3.9	6				
					Bottom	10.4	0.4	62	27.2	27.2	8.0	8.0	27.1	27.1	73.2	73.2	5.0	5.0	5.0	6				
						10.4	0.3	59	27.2		8.0	8.0	27.1	27.1	73.2	73.2	5.0	5.0	5.0	7				
IM1	Rainy	Moderate	10:57	6.4	Surface	1.0	0.3	192	30.0	30.0	8.3	8.3	20.2	20.2	90.2	90.2	6.1	5.9	10.5	8.9	5	5	818355	806447
						1.0	0.4	188	30.0		8.3		20.1	90.1	6.1	10.7	4							
					Middle	3.2	0.3	179	28.3	28.3	8.2	8.2	25.7	25.7	83.3	83.4	5.6	5.6	6.7	6				
						3.2	0.3	183	28.3		8.2	8.2	25.7	25.7	83.4	83.4	5.6	5.6	7.0	5				
					Bottom	5.4	0.3	184	28.0	28.0	8.2	8.2	26.8	26.8	79.3	79.4	5.3	5.3	9.1	5				
						5.4	0.2	188	28.0		8.2	8.2	26.8	26.8	79.4	79.4	5.3	5.3	9.2	6				
IM2	Rainy	Moderate	10:53	6.2	Surface	1.0	0.3	202	30.5	30.5	8.5	8.5	17.9	17.9	97.2	97.5	6.6	6.0	3.0	8.8	6	5	819168	806218
						1.0	0.3	202	30.5		8.5		17.9	97.8	6.6	2.9	6							
					Middle	3.1	0.3	211	28.0	28.0	8.4	8.4	26.4	26.4	80.4	80.4	5.4	5.4	12.0	5				
						3.1	0.3	205	28.0		8.4	8.4	26.4	26.4	80.4	80.4	5.4	5.4	11.4	5				
					Bottom	5.2	0.3	193	28.0	28.0	8.4	8.4	26.8	26.8	76.4	76.6	5.1	5.1	11.9	4				
						5.2	0.3	198	28.0		8.4	8.4	26.9	26.8	76.7	76.6	5.1	5.1	11.8	5				
IM7	Rainy	Moderate	10:20	7.6	Surface	1.0	0.2	170	31.7	31.7	8.6	8.6	11.4	11.4	100.4	100.4	6.9	6.6	2.2	6.7	6	5	821340	806830
						1.0	0.2	174	31.7		8.6		11.4	100.3	6.9	2.2	6							
					Middle	3.8	0.2	172	28.9	28.9	8.2	8.2	21.5	21.5	91.9	91.2	6.2	6.2	6.2	6				
						3.8	0.2	175	28.8		8.2	8.2	21.5	21.5	90.5	90.5	6.2	6.2	6.5	5				
					Bottom	6.6	0.2	140	28.4	28.4	8.2	8.2	25.0	25.0	72.3	72.3	4.9	4.9	11.9	4				
						6.6	0.3	139	28.4		8.2	8.2	25.0	25.0	72.2	72.3	4.9	4.9	11.4	5				

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)			Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
										Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Rainy	Calm	09:49	8.0	Surface	1.0	0.5	92	29.0	29.0	8.1	8.1	19.2	19.2	93.0	92.9	6.4	6.4	5.7	3.0	4.9	4	4	822255	809816
						1.0	0.5	86	29.0		8.1		19.2		92.7		6.4			3.1					
					Middle	4.0	0.6	96	28.7	7.9	7.9	22.5	22.5	73.3	73.4	5.0	5.0	5.1	5.1						
						4.0	0.6	91	28.7	7.9	7.9	22.5	22.5	73.4	73.4	5.0	5.0	5.1	5.1						
					Bottom	7.0	0.5	83	28.6	28.6	7.8	7.8	23.0	23.0	66.2	66.3	4.5	4.5	6.6	6.6					
						7.0	0.5	79	28.6		7.8		23.0		66.3		4.5		6.6	6.6					
IM11	Rainy	Calm	10:15	9.0	Surface	1.0	0.7	92	29.0	29.0	8.1	8.1	20.7	20.7	78.6	78.6	5.4	5.1	2.3	4.0	6	821474	810552		
						1.0	0.7	95	29.0		8.1		20.7		78.6		5.4		2.4						
					Middle	4.5	0.7	87	28.6	28.6	8.0	8.0	22.6	22.5	70.2	70.2	4.8	5.0	4.5			4.5			
						4.5	0.7	84	28.6		8.0		22.5		70.1		4.8		4.5			4.5			
					Bottom	8.0	0.6	87	28.5	28.6	7.9	7.9	22.8	22.8	72.6	72.7	5.0	5.0	5.1			5.1			
						8.0	0.6	82	28.6		7.9		22.8		72.8		5.0		5.0			5.0		5.0	
IM12	Rainy	Calm	10:20	9.6	Surface	1.0	0.7	91	29.1	29.1	8.1	8.1	18.6	18.6	88.1	88.1	6.1	5.6	2.3	4.5	5	821169	811544		
						1.0	0.7	94	29.1		8.1		18.6		88.0		6.1		2.3						
					Middle	4.8	0.7	104	28.6	28.6	8.0	8.0	22.2	22.2	73.8	73.8	5.1		5.1			5.0		5.0	
						4.8	0.7	108	28.6		8.0		22.3		73.8		5.1					5.0		5.0	
					Bottom	8.6	0.7	117	28.0	28.0	7.9	7.9	25.3	25.4	64.7	64.8	4.4		4.4			6.1		6.1	
						8.6	0.8	115	28.0		7.9		25.5		64.9		4.4					6.4		6.4	
SR1A	Rainy	Calm	10:53	4.8	Surface	1.0	0.0	115	28.8	28.8	8.1	8.1	19.4	19.4	89.7	89.7	6.2	6.2	3.9	4.9	5	819991	812676		
						1.0	0.0	119	28.8		8.1		19.4		89.7		6.2		3.9						
					Middle	2.4	0.0	139	-	-	-	-	-	-	-	-	-		-			-		-	
						2.4	0.1	133	-		-		-		-		-					-		-	-
					Bottom	3.8	0.0	105	28.3	28.3	8.1	8.1	23.3	23.3	78.8	78.9	5.4		5.4			6.0		6.0	
						3.8	0.0	103	28.3		8.1		23.3		78.9		5.4					6.0		6.0	
SR2	Rainy	Calm	11:09	4.0	Surface	1.0	0.6	34	28.8	28.8	8.1	8.1	20.2	20.2	89.7	89.7	6.2	6.2	2.3	3.3	6	821460	814185		
						1.0	0.6	36	28.8		8.1		20.2		89.6		6.2		2.2						
					Middle	-	0.7	59	-	-	-	-	-	-	-	-	-		-			-		-	
						-	0.6	53	-		-		-		-		-					-		-	
					Bottom	3.0	0.6	22	28.6	28.6	8.0	8.0	22.0	22.0	79.6	79.8	5.5		5.5			4.4		4.4	
						3.0	0.6	23	28.6		8.0		22.0		79.9		5.5					4.4		4.4	
SR3	Rainy	Moderate	10:13	8.8	Surface	1.0	0.5	149	30.4	30.4	8.6	8.6	14.7	14.7	100.2	100.1	6.9	6.3	4.0	4.1	5	822149	807561		
						1.0	0.4	142	30.4		8.6		14.7		100.0		6.9		4.1						
					Middle	4.4	0.5	148	28.8	28.8	8.2	8.2	23.0	23.0	84.2	84.0	5.7		5.7			4.0		4.0	
						4.4	0.4	148	28.8		8.2		23.0		83.8		5.7					4.0		4.0	
					Bottom	7.8	0.4	177	28.5	28.5	8.2	8.2	24.5	24.6	67.6	67.6	4.5		4.5			4.5		4.5	
						7.8	0.4	180	28.5		8.2		24.6		67.6		4.5					4.4		4.4	
SR4A	Rainy	Moderate	11:43	9.2	Surface	1.0	0.0	26	31.4	31.4	8.6	8.6	15.4	15.4	90.3	90.3	6.1	5.7	4.4	4.7	5	817179	807797		
						1.0	0.0	24	31.4		8.6		15.5		90.2		6.1		4.5						
					Middle	4.6	0.1	357	30.4	29.3	8.5	8.4	18.5	19.4	77.0	77.1	5.2		5.2			4.6		4.6	
						4.6	0.1	359	28.1		8.3		20.3		77.2		5.2					4.3		4.3	
					Bottom	8.2	0.0	0	28.1	28.1	8.3	8.3	26.4	26.4	78.1	78.2	5.2		5.2			5.1		5.1	
						8.2	0.0	1	28.1		8.3		26.4		78.3		5.2					5.0		5.0	
SR8	Rainy	Calm	10:27	4.4	Surface	1.0	-	-	28.8	28.8	8.1	8.1	18.7	18.7	92.2	92.2	6.4	6.4	2.2	2.5	5	820395	811640		
						1.0	-	-	28.8		8.1		18.7		92.2		6.4		2.2						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-			-		-	
						-	-	-	-		-		-		-		-					-		-	
					Bottom	3.4	-	-	29.1	29.1	8.0	8.0	19.1	19.1	92.0	92.1	6.4		6.4			2.7		2.7	
						3.4	-	-	29.1		8.0		19.1		92.1		6.4					2.8		2.8	

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Misty	Moderate	04:40	8.0	Surface	1.0	0.4	26	29.2	29.2	8.1	8.1	22.8	22.8	98.8	98.8	6.6	6.1	3.3	5.4	3	4	815609	804238		
						1.0	0.5	31	29.2		8.1		22.7	98.8	6.7	3.3	3									
					Middle	4.0	0.4	47	28.0	28.0	8.1	8.1	26.8	26.8	81.2	81.2	5.5	5.5	4.1	5.5	4.1				5.5	4
						4.0	0.5	44	28.0		8.1		26.8	81.2	5.5	4.1	4									
					Bottom	7.0	0.5	25	28.1	28.1	8.1	8.1	26.8	26.8	81.5	81.6	5.5	5.5	8.8	5.5	8.8				5.5	5
						7.0	0.4	26	28.1		8.1		26.8	81.7	5.5	8.7	5									
C2	Misty	Moderate	06:12	12.4	Surface	1.0	0.4	3	30.4	30.4	8.3	8.3	13.3	13.3	99.8	99.8	6.9	6.3	3.5	3.9	4	4	825692	806951		
						1.0	0.4	0	30.4		8.3		13.3	99.7	6.9	3.5	4									
					Middle	6.2	0.4	10	28.5	28.5	7.9	7.9	24.0	24.0	84.2	84.2	5.7	5.7	4.2	5.3	4.2				5.3	5
						6.2	0.4	5	28.5		7.9		24.1	84.1	5.7	4.2	4									
					Bottom	11.4	0.3	332	28.4	28.4	7.9	7.9	24.5	24.5	78.2	78.4	5.3	5.3	4.1	5.3	4.1				5.3	3
						11.4	0.3	338	28.4		7.9		24.5	78.6	5.3	4.1	3									
C3	Misty	Calm	04:39	10.0	Surface	1.0	0.5	270	28.7	28.7	8.0	8.0	22.6	22.6	98.9	98.8	6.7	6.7	4.0	4.5	5	5	822088	817822		
						1.0	0.5	268	28.7		8.0		22.6	98.7	6.7	3.9	5									
					Middle	5.0	0.5	263	28.5	28.5	8.0	8.0	23.1	23.1	96.5	96.5	6.6	6.6	4.4	5.1	4.4				5.1	6
						5.0	0.6	268	28.5		8.0		23.1	96.5	6.6	4.4	5									
					Bottom	9.0	0.5	241	28.1	28.1	8.0	8.0	23.9	23.9	75.5	75.4	5.1	5.1	5.1	5.1	5.1				5.1	6
						9.0	0.6	247	28.1		8.0		23.9	75.3	5.1	5.2	5									
IM1	Misty	Moderate	05:01	6.2	Surface	1.0	0.3	10	29.9	29.9	8.1	8.1	20.9	20.7	87.6	87.6	5.9	5.7	4.9	6.0	6	5	818351	806451		
						1.0	0.3	3	29.9		8.1		20.5	87.5	5.9	5.1	6									
					Middle	3.1	0.4	8	28.1	28.1	8.0	8.0	26.3	26.3	80.6	80.7	5.4	5.4	6.7	5.4	6.6				5.4	5
						3.1	0.4	8	28.0		8.0		26.4	80.7	5.4	6.6	4									
					Bottom	5.2	0.4	41	28.0	28.0	8.0	8.0	26.7	26.7	80.2	80.3	5.4	5.4	6.4	5.4	6.4				5.4	4
						5.2	0.4	44	28.0		8.0		26.7	80.3	5.4	6.4	5									
IM2	Misty	Moderate	05:06	6.8	Surface	1.0	0.4	8	31.1	31.1	8.3	8.3	13.9	13.8	84.6	84.6	5.8	5.4	2.7	5.1	5	5	819159	806252		
						1.0	0.4	2	31.1		8.3		13.7	84.5	5.8	2.8	4									
					Middle	3.4	0.4	355	28.0	28.0	8.1	8.1	26.6	26.6	74.6	74.6	5.0	5.0	7.1	5.1	6.9				5.1	5
						3.4	0.4	355	28.0		8.1		26.6	74.6	5.0	6.9	4									
					Bottom	5.8	0.4	8	27.9	27.9	8.1	8.1	27.0	27.0	75.9	76.0	5.1	5.1	5.4	5.1	5.4				5.1	5
						5.8	0.4	0	27.9		8.1		27.0	76.1	5.1	5.5	6									
IM7	Misty	Moderate	05:43	7.8	Surface	1.0	0.3	14	31.2	31.2	8.7	8.7	12.0	12.0	90.3	90.3	6.2	6.2	3.2	5.2	4	4	821371	806842		
						1.0	0.2	6	31.2		8.7		12.0	90.2	6.2	3.4	4									
					Middle	3.9	0.3	1	29.2	29.2	8.5	8.5	18.5	18.4	88.7	88.8	6.1	6.1	4.0	5.2	4.2				5.2	4
						3.9	0.3	7	29.2		8.5		18.4	88.9	6.1	4.2	4									
					Bottom	6.8	0.3	36	28.6	28.6	8.5	8.5	24.0	24.0	78.5	78.5	5.3	5.3	8.1	5.3	8.1				5.3	4
						6.8	0.2	28	28.5		8.5		24.1	78.5	5.3	8.3	4									

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Rainy	Moderate	12:24	8.4	Surface	1.0	0.6	216	26.2	26.2	8.1	8.1	23.0	23.0	73.5	73.6	5.2	4.6	3.7	6.8	5	4	815614	804249		
						1.0	0.6	208	26.2	8.1	8.1	23.0	23.0	73.6	73.6	5.2	4.6	3.7	6.8	4						
					Middle	4.2	0.6	191	25.5	25.5	8.0	8.0	24.2	24.4	58.6	55.6	4.2	4.6	7.4	6.8	4				4	
						4.2	0.6	187	25.5	25.5	8.0	8.0	24.7	24.4	52.5	53.2	3.7	3.8	7.9	6.8	3					
					Bottom	7.4	0.6	200	25.3	25.3	8.0	8.0	27.5	27.5	52.8	53.2	3.7	3.8	8.8	6.8	4					4
						7.4	0.6	196	25.3	25.3	8.0	8.0	27.4	27.5	53.6	53.2	3.8	3.8	9.2	6.8	5					
C2	Rainy	Moderate	10:56	12.1	Surface	1.0	0.6	174	26.3	26.3	8.1	8.1	22.0	22.0	72.8	72.7	5.2	5.1	6.3	5.8	7	6	825705	806956		
						1.0	0.6	169	26.3	26.3	8.1	8.1	22.0	22.0	72.5	72.7	5.2	5.1	6.1	5.8	6					
					Middle	6.1	0.6	162	26.1	26.1	8.1	8.1	23.9	23.9	69.5	69.5	4.9	4.5	4.4	5.8	4				4	
						6.1	0.5	163	26.1	26.1	8.1	8.1	23.9	23.9	69.5	69.5	4.9	4.5	4.5	5.8	4					
					Bottom	11.1	0.5	161	25.7	25.7	8.1	8.1	27.0	27.0	64.6	64.8	4.5	4.5	6.8	5.8	6					6
						11.1	0.5	167	25.7	25.7	8.1	8.1	27.0	27.0	64.9	64.8	4.5	4.5	6.6	5.8	6					
C3	Rainy	Calm	12:49	10.0	Surface	1.0	0.5	73	27.8	27.8	7.9	7.9	22.2	22.2	70.8	70.8	4.9	4.7	4.0	4.8	6	6	822120	817825		
						1.0	0.5	71	27.8	27.8	7.9	7.9	22.2	22.2	70.7	70.8	4.9	4.7	4.0	4.8	6					
					Middle	5.0	0.4	45	27.6	27.6	7.9	7.9	23.3	23.3	65.4	65.4	4.5	4.5	4.6	4.8	5				5	
						5.0	0.4	42	27.6	27.6	7.9	7.9	23.3	23.3	65.4	65.4	4.5	4.5	4.6	4.8	5					
					Bottom	9.0	0.4	72	27.6	27.6	7.9	7.9	23.4	23.4	65.2	65.3	4.5	4.5	5.8	4.8	5					5
						9.0	0.5	76	27.6	27.6	7.9	7.9	23.4	23.4	65.3	65.3	4.5	4.5	5.9	4.8	6					
IM1	Rainy	Moderate	11:59	6.7	Surface	1.0	0.3	178	26.2	26.2	8.1	8.1	23.7	23.7	68.3	68.3	4.8	4.5	4.3	6.8	5	5	818367	806469		
						1.0	0.3	181	26.1	26.1	8.1	8.1	23.7	23.7	68.2	68.3	4.8	4.5	4.4	6.8	4					
					Middle	3.4	0.4	188	25.5	25.5	8.0	8.0	27.8	27.8	59.6	59.6	4.2	4.5	7.5	6.8	5				5	
						3.4	0.4	183	25.5	25.5	8.0	8.0	27.8	27.8	59.6	59.6	4.2	4.5	7.6	6.8	5					
					Bottom	5.7	0.4	183	25.5	25.8	8.0	8.0	27.7	27.7	52.4	52.4	3.7	3.7	8.2	6.8	5					5
						5.7	0.4	188	26.1	25.8	8.0	8.0	27.6	27.7	52.4	52.4	3.7	3.7	8.9	6.8	5					
IM2	Rainy	Moderate	11:54	7.5	Surface	1.0	0.4	200	26.1	26.1	8.1	8.1	22.4	22.4	76.8	76.9	5.5	5.1	3.8	5.2	4	4	819188	806212		
						1.0	0.4	200	26.1	26.1	8.1	8.1	22.4	22.4	77.0	76.9	5.5	5.1	3.8	5.2	5					
					Middle	3.8	0.4	195	25.8	25.8	8.0	8.0	23.6	23.6	64.7	64.4	4.6	4.5	5.5	5.2	4				4	
						3.8	0.4	195	25.8	25.8	8.0	8.0	23.6	23.6	64.0	64.4	4.6	4.5	5.5	5.2	5					
					Bottom	6.5	0.3	217	25.7	25.7	8.0	8.0	25.2	25.2	55.9	56.1	4.0	4.0	6.4	5.2	6					6
						6.5	0.3	213	25.7	25.7	8.0	8.0	25.2	25.2	56.3	56.1	4.0	4.0	6.4	5.2	6					
IM7	Rainy	Moderate	11:29	8.0	Surface	1.0	0.2	140	26.1	26.1	8.0	8.0	21.2	21.2	74.2	74.2	5.3	4.8	6.4	9.9	5	5	821348	806857		
						1.0	0.2	145	26.1	26.1	8.0	8.0	21.2	21.2	74.2	74.2	5.3	4.8	6.4	9.9	4					
					Middle	4.0	0.3	157	25.9	25.9	8.0	8.0	24.6	24.5	61.3	61.6	4.3	4.1	10.1	9.9	4				4	
						4.0	0.3	154	25.9	25.9	8.0	8.0	24.5	24.5	61.9	61.6	4.4	4.1	10.3	9.9	4					
					Bottom	7.0	0.2	167	25.8	25.8	8.0	8.0	25.2	25.2	57.8	58.0	4.1	4.1	13.1	9.9	6					6
						7.0	0.2	168	25.8	25.8	8.0	8.0	25.2	25.2	58.1	58.0	4.1	4.1	13.1	9.9	5					

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Rainy	Calm	11:04	8.6	Surface	<u>1.0</u>	0.7	110	28.0	28.0	<u>8.0</u>	8.0	<u>20.1</u>	20.1	<u>77.3</u>	77.3	5.4	4.8	2.6	3.4	8	7	822227	809861
						<u>1.0</u>	0.7	115	28.0		<u>8.0</u>		<u>20.1</u>		<u>77.2</u>		5.4		2.6		6			
						<u>4.3</u>	0.6	95	27.7		<u>8.0</u>		23.3		59.1		4.1		3.4		6			
					Middle	<u>4.3</u>	0.6	101	27.7	<u>8.0</u>	23.3	59.1	4.1	3.5	7									
						<u>7.6</u>	0.6	111	27.7	<u>8.0</u>	23.4	60.9	4.2	4.1	6									
						<u>7.6</u>	0.7	109	27.7	<u>8.0</u>	23.4	61.3	4.2	4.1	7									
IM11	Rainy	Calm	11:26	7.8	Surface	<u>1.0</u>	0.7	108	28.0	28.0	<u>8.0</u>	8.0	<u>20.5</u>	20.5	<u>74.4</u>	74.4	5.2	4.8	6.0	7.3	6	821524	810564	
						<u>1.0</u>	0.7	101	28.0		<u>8.0</u>		<u>20.5</u>		<u>74.3</u>		5.2		6.0					6
						<u>3.9</u>	0.8	85	27.8		<u>8.0</u>		22.8		62.0		4.3		8.0					7
					Middle	<u>3.9</u>	0.8	82	27.8	<u>8.0</u>	22.8	62.0	4.3	7.8	6									
						<u>6.8</u>	0.8	104	27.7	<u>8.0</u>	23.4	62.7	4.3	8.1	7									
						<u>6.8</u>	0.8	98	27.7	<u>8.0</u>	23.4	62.9	4.3	8.1	6									
IM12	Rainy	Calm	11:32	6.4	Surface	<u>1.0</u>	0.9	98	28.0	28.0	<u>8.0</u>	8.0	<u>19.9</u>	19.9	<u>79.3</u>	79.3	5.6	5.5	2.3	4.1	6	821146	811498	
						<u>1.0</u>	0.8	100	28.0		<u>8.0</u>		<u>20.0</u>		<u>79.2</u>		5.6		2.4					6
						<u>3.2</u>	0.8	98	28.0		<u>8.0</u>		20.1		77.8		5.4		4.3					7
					Middle	<u>3.2</u>	0.9	103	28.0	<u>8.0</u>	20.1	77.7	5.4	4.3	6									
						<u>5.4</u>	0.8	80	27.9	<u>8.0</u>	22.4	66.0	4.6	5.7	5									
						<u>5.4</u>	0.9	87	27.9	<u>8.0</u>	22.4	66.2	4.6	5.7	5									
SR1A	Rainy	Calm	12:05	3.7	Surface	<u>1.0</u>	0.0	96	27.8	27.8	<u>8.0</u>	8.0	<u>21.6</u>	21.6	<u>70.0</u>	70.0	4.9	4.9	3.3	3.3	7	819980	812655	
						<u>1.0</u>	0.0	98	27.8		<u>8.0</u>		<u>21.6</u>		<u>69.9</u>		4.9		3.3					8
						<u>1.9</u>	0.0	94	-		<u>-</u>		<u>-</u>		<u>-</u>		<u>-</u>		<u>-</u>					<u>-</u>
					Middle	<u>1.9</u>	0.1	98	-	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>									
						<u>2.7</u>	0.1	93	27.8	<u>8.0</u>	21.8	69.7	4.9	3.4	6									
						<u>2.7</u>	0.0	99	27.8	<u>8.0</u>	21.8	69.7	4.9	3.4	6									
SR2	Rainy	Calm	12:28	4.0	Surface	<u>1.0</u>	0.7	58	27.7	27.7	<u>7.9</u>	7.9	<u>22.3</u>	22.3	<u>71.4</u>	71.4	5.0	5.0	4.7	5.0	5	821455	814159	
						<u>1.0</u>	0.7	64	27.7		<u>7.9</u>		<u>22.3</u>		<u>71.4</u>		5.0		4.7					6
						<u>-</u>	0.7	38	-		<u>-</u>		<u>-</u>		<u>-</u>		<u>-</u>		<u>-</u>					<u>-</u>
					Middle	<u>-</u>	0.6	38	-	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>									
						<u>3.0</u>	0.7	32	27.6	<u>7.9</u>	23.2	66.6	4.6	5.4	5									
						<u>3.0</u>	0.7	27	27.6	<u>7.9</u>	23.2	66.7	4.6	5.3	4									
SR3	Rainy	Moderate	11:20	9.5	Surface	<u>1.0</u>	0.5	148	26.3	26.3	<u>8.0</u>	8.0	<u>21.6</u>	21.6	<u>71.9</u>	71.8	5.1	5.1	5.5	6.0	3	822143	807562	
						<u>1.0</u>	0.5	144	26.3		<u>8.0</u>		21.6		71.7		5.1		5.5					3
						<u>4.8</u>	0.5	158	26.2		<u>8.0</u>		22.3		70.1		5.0		5.9					3
					Middle	<u>4.8</u>	0.5	162	26.2	<u>8.0</u>	22.3	70.1	5.0	5.9	4									
						<u>8.5</u>	0.5	178	26.1	<u>8.0</u>	23.0	63.8	4.5	6.7	3									
						<u>8.5</u>	0.5	183	26.1	<u>8.0</u>	23.1	63.6	4.5	6.8	3									
SR4A	Rainy	Moderate	12:47	8.9	Surface	<u>1.0</u>	0.1	56	26.2	26.2	<u>8.1</u>	8.1	<u>23.0</u>	23.0	<u>70.3</u>	70.2	5.0	5.1	3.8	7.0	3	817205	807802	
						<u>1.0</u>	0.1	49	26.1		<u>8.1</u>		<u>23.0</u>		<u>70.0</u>		5.0		4.2					2
						<u>4.5</u>	0.0	59	25.5		<u>8.1</u>		27.4		51.2		5.1		8.6					3
					Middle	<u>4.5</u>	0.0	60	25.5	<u>8.1</u>	27.3	51.2	5.1	8.6	4									
						<u>7.9</u>	0.0	56	25.8	<u>8.1</u>	28.2	51.8	3.6	8.6	4									
						<u>7.9</u>	0.1	50	25.9	<u>8.1</u>	28.2	52.6	3.7	8.1	4									
SR8	Rainy	Calm	11:53	5.0	Surface	<u>1.0</u>	-	-	28.0	28.0	<u>8.0</u>	8.0	<u>20.0</u>	20.0	<u>78.7</u>	78.7	5.5	5.5	2.7	3.2	6	820379	811626	
						<u>1.0</u>	-	-	28.0		<u>8.0</u>		<u>20.0</u>		<u>78.6</u>		5.5		2.7					6
						<u>-</u>	-	-	-		<u>-</u>		<u>-</u>		<u>-</u>		<u>-</u>		<u>-</u>					<u>-</u>
					Middle	<u>-</u>	-	-	-	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>									
						<u>4.0</u>	-	-	28.0	<u>8.0</u>	20.6	74.5	5.2	3.7	5									
						<u>4.0</u>	-	-	28.0	<u>8.0</u>	20.6	74.5	5.2	3.7	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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Cloudy	Moderate	05:25	8.0	Surface	1.0	0.3	37	25.9	25.9	8.0	8.0	23.0	23.0	68.7	68.5	4.9	4.3	3.4	6.9	6	4	815608	804255		
						1.0	0.3	41	25.9		8.0		23.0		68.3		4.9		3.5		4					
					Middle	4.0	0.4	21	25.5	25.5	7.9	7.9	26.9	26.9	52.1	52.4	3.7	3.5	6.7	3.5	3	4			3	4
						4.0	0.3	13	25.5		7.9		26.9		52.7		3.7		6.7		4					
					Bottom	7.0	0.3	33	25.4	25.4	7.9	7.9	27.1	27.0	49.0	49.2	3.4	3.5	10.7	3.5	4	4			4	4
						7.0	0.3	37	25.4		7.9		27.0		49.3		3.5		10.5		4					
C2	Cloudy	Moderate	06:41	11.8	Surface	1.0	0.4	335	26.3	26.3	8.1	8.1	21.8	21.8	73.3	73.3	5.2	5.0	6.7	8.2	5	6	825664	806949		
						1.0	0.3	329	26.3		8.1		21.8		73.3		5.2		6.5		6					
					Middle	5.9	0.4	332	25.9	25.9	8.1	8.1	23.9	23.9	68.2	68.1	4.9	4.3	5.5	4.3	4	4			4	6
						5.9	0.4	325	25.8		8.1		23.9		68.0		4.8		5.6		6					
					Bottom	10.8	0.4	344	25.4	25.4	8.0	8.0	26.7	26.6	60.9	60.9	4.3	4.3	12.9	4.3	6	4.3			6	7
						10.8	0.3	339	25.4		8.0		26.6		60.9		4.3		12.2		7					
C3	Rainy	Calm	05:49	11.4	Surface	1.0	0.4	269	27.6	27.6	7.9	7.9	22.0	22.0	76.4	76.4	5.3	4.6	3.2	4.2	5	5	822104	817810		
						1.0	0.4	265	27.6		7.9		22.1		76.4		5.3		3.3		6					
					Middle	5.7	0.5	268	26.6	26.6	7.9	7.9	27.4	27.4	57.2	57.2	3.9	4.0	4.4	4.0	5	4.0			5	5
						5.7	0.5	269	26.6		7.9		27.4		57.2		3.9		4.4		5					
					Bottom	10.4	0.5	257	25.8	25.8	7.8	7.8	29.6	29.6	57.5	57.7	4.0	4.0	5.0	4.0	5	4.0			5	6
						10.4	0.5	252	25.8		7.8		29.6		57.9		4.0		5.0		6					
IM1	Rainy	Moderate	05:41	7.2	Surface	1.0	0.2	24	26.3	26.3	8.0	8.0	22.6	22.6	68.9	68.9	4.9	4.5	4.3	8.3	4	4	818351	806469		
						1.0	0.2	21	26.3		8.0		22.6		68.9		4.9		4.3		4					
					Middle	3.6	0.2	4	25.6	25.6	8.0	8.0	26.5	26.6	58.2	58.2	4.1	3.7	8.1	3.7	4	3.7			4	3
						3.6	0.2	11	25.6		8.0		26.6		58.2		4.1		8.6		3					
					Bottom	6.2	0.2	17	25.4	25.4	8.0	8.0	26.7	26.6	52.1	52.4	3.7	3.7	12.1	3.7	4	3.7			4	5
						6.2	0.3	20	25.4		8.0		26.6		52.6		3.7		12.2		5					
IM2	Rainy	Moderate	05:47	7.2	Surface	1.0	0.2	0	25.9	25.9	8.0	8.0	24.1	24.0	68.4	68.4	4.8	4.5	6.7	8.4	5	5	819163	806255		
						1.0	0.1	3	25.9		8.0		24.0		68.4		4.8		6.7		6					
					Middle	3.6	0.1	339	25.5	25.5	8.0	8.0	27.2	27.3	58.4	58.4	4.1	3.7	8.9	3.7	6	3.7			6	4
						3.6	0.2	336	25.5		8.0		27.3		58.4		4.1		9.0		6					
					Bottom	6.2	0.1	334	25.4	25.4	8.0	8.0	27.4	27.4	51.8	52.0	3.6	3.7	9.8	3.7	4	3.7			4	4
						6.2	0.1	328	25.4		8.0		27.4		52.1		3.7		9.3		4					
IM7	Rainy	Moderate	06:13	8.7	Surface	1.0	0.2	350	26.4	26.4	8.0	8.0	22.1	22.1	68.8	68.8	4.9	4.6	5.0	8.9	3	3	821327	806850		
						1.0	0.2	352	26.4		8.0		22.1		68.8		4.9		5.2		2					
					Middle	4.4	0.2	338	26.2	26.2	8.0	8.0	23.6	23.6	59.9	59.9	4.2	3.7	8.9	3.7	2	3.7			2	3
						4.4	0.2	343	26.2		8.0		23.6		59.8		4.2		9.0		4					
					Bottom	7.7	0.2	355	25.8	25.8	8.0	8.0	25.7	25.7	52.0	52.1	3.7	3.7	12.6	3.7	3	3.7			3	3
						7.7	0.2	355	25.8		8.0		25.7		52.1		3.7		12.6		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 20 June 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	14:28	8.4	Surface	1.0	0.7	227	<u>26.8</u>	8.2	8.2	<u>22.9</u>	22.9	<u>89.8</u>	89.8	6.3	5.3	7.2	6.6	6	7	815630	804227	
						1.0	0.7	223	26.8	8.2	8.2	<u>22.9</u>	22.9	89.7	89.8	6.3			6.2	7				
					Middle	4.2	0.7	223	<u>25.9</u>	8.1	8.1	<u>25.4</u>	25.4	<u>60.0</u>	59.9	4.2			6.8	7				
						4.2	0.7	220	25.9	8.1	8.1	<u>25.4</u>	25.4	<u>59.8</u>	59.9	4.2			7.0	7				
					Bottom	7.4	0.7	199	<u>25.8</u>	8.0	8.0	<u>25.5</u>	25.5	<u>59.3</u>	59.5	4.2			8.2	7				
						7.4	0.6	203	25.8	8.0	8.0	<u>25.5</u>	25.5	<u>59.6</u>	59.5	4.2			8.5	6				
C2	Cloudy	Moderate	12:45	11.8	Surface	1.0	0.5	165	<u>26.6</u>	8.1	8.1	<u>20.9</u>	20.9	<u>78.9</u>	78.8	5.6	5.4	10.6	9.3	8	8	825702	806931	
						1.0	0.5	167	26.6	8.1	8.1	<u>20.9</u>	20.9	78.6	78.8	5.6			9.4	8				
					Middle	5.9	0.5	170	<u>26.2</u>	8.1	8.1	<u>22.9</u>	23.0	<u>73.0</u>	72.6	5.2			11.2	8				
						5.9	0.4	177	26.2	8.1	8.1	<u>23.0</u>	23.0	<u>72.1</u>	72.6	5.1			11.1	8				
					Bottom	10.8	0.5	168	<u>26.2</u>	8.1	8.1	<u>23.3</u>	23.2	<u>69.3</u>	69.4	4.9			11.1	7				
						10.8	0.5	170	26.2	8.1	8.1	<u>23.2</u>	23.2	<u>69.5</u>	69.4	4.9			11.2	7				
C3	Fine	Calm	14:31	10.0	Surface	1.0	0.5	79	<u>28.1</u>	8.0	8.0	<u>22.5</u>	23.8	<u>67.8</u>	68.4	4.7	4.5	2.2	1.0	9	8	822104	817810	
						1.0	0.6	83	27.4	8.0	8.0	<u>25.1</u>	23.8	<u>68.9</u>	68.4	5.0			1.1	9				
					Middle	5.0	0.5	84	<u>27.4</u>	8.0	8.0	<u>25.1</u>	25.6	<u>59.0</u>	59.2	4.1			2.3	7				
						5.0	0.5	90	26.7	8.1	8.1	<u>26.0</u>	26.0	<u>59.3</u>	59.8	4.1			2.3	7				
					Bottom	9.0	0.4	79	<u>26.7</u>	8.1	8.1	<u>26.0</u>	26.0	<u>59.7</u>	59.8	4.1			3.2	8				
						9.0	0.4	85	26.7	8.1	8.1	<u>26.0</u>	26.0	<u>59.8</u>	59.8	4.1			3.2	10				
IM1	Cloudy	Moderate	14:07	6.5	Surface	1.0	0.4	204	<u>26.8</u>	8.2	8.2	<u>22.7</u>	22.7	<u>89.5</u>	89.4	6.3	5.6	7.6	6.1	8	7	818365	806458	
						1.0	0.4	202	26.8	8.2	8.2	<u>22.7</u>	22.7	<u>89.3</u>	89.4	6.3			6.1	7				
					Middle	3.3	0.4	186	<u>26.0</u>	8.1	8.1	<u>24.2</u>	24.2	<u>69.7</u>	69.6	4.9			6.9	6				
						3.3	0.5	184	25.9	8.1	8.1	<u>24.3</u>	24.2	<u>69.5</u>	69.6	4.9			7.0	6				
					Bottom	5.5	0.5	202	<u>25.8</u>	8.1	8.1	<u>25.5</u>	25.5	<u>64.0</u>	64.1	4.5			9.9	6				
						5.5	0.5	207	25.8	8.1	8.1	<u>25.5</u>	25.5	<u>64.2</u>	64.1	4.5			9.6	6				
IM2	Cloudy	Moderate	14:02	7.3	Surface	1.0	0.5	186	<u>26.9</u>	8.2	8.2	<u>22.4</u>	22.4	<u>92.8</u>	92.8	6.5	6.3	7.6	6.1	6	7	819188	806242	
						1.0	0.5	180	26.9	8.2	8.2	<u>22.4</u>	22.4	<u>92.7</u>	92.8	6.5			6.1	7				
					Middle	3.7	0.5	212	<u>26.8</u>	8.2	8.2	<u>22.5</u>	22.4	<u>85.9</u>	85.7	6.1			7.6	7				
						3.7	0.5	205	26.8	8.2	8.2	<u>22.4</u>	22.4	<u>85.5</u>	85.7	6.0			7.4	8				
					Bottom	6.3	0.4	196	<u>25.6</u>	8.1	8.1	<u>26.0</u>	25.9	<u>59.4</u>	59.6	4.2			9.2	6				
						6.3	0.4	191	25.6	8.1	8.1	<u>25.9</u>	25.9	<u>59.7</u>	59.6	4.2			9.2	7				
IM7	Cloudy	Moderate	13:29	8.3	Surface	1.0	0.3	174	<u>26.9</u>	8.2	8.2	<u>22.4</u>	22.4	<u>91.3</u>	91.3	6.4	6.2	8.4	7.0	8	9	821357	806826	
						1.0	0.3	177	26.8	8.2	8.2	<u>22.5</u>	22.4	<u>91.3</u>	91.3	6.4			7.1	6				
					Middle	4.2	0.3	168	<u>26.5</u>	8.2	8.1	<u>22.7</u>	22.7	<u>84.1</u>	84.1	6.0			8.8	8				
						4.2	0.3	173	26.4	8.1	8.1	<u>22.7</u>	22.7	<u>84.0</u>	84.1	6.0			8.8	9				
					Bottom	7.3	0.3	169	<u>26.3</u>	8.1	8.1	<u>23.2</u>	23.2	<u>78.1</u>	78.1	5.5			9.3	9				
						7.3	0.3	174	26.3	8.1	8.1	<u>23.2</u>	23.2	<u>78.0</u>	78.1	5.5			9.3	11				

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 20 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	06:36	8.5	Surface	1.0	0.1	23	26.5	26.5	8.1	8.1	23.1	23.1	82.5	82.4	5.8	5.8	5.3	7.1	7.7	9	9	815606	804251
						1.0	0.1	18	26.5	8.1	8.1	23.2	23.2	82.3	82.3	5.8	5.8	7.3							
					Middle	4.3	0.1	25	25.9	25.9	8.1	8.1	25.2	25.2	66.2	66.1	4.7	4.7	8.8	8.8	9				
						4.3	0.2	25	25.9	25.9	8.1	8.1	25.2	25.2	66.0	66.0	4.7	4.7	8.7	8.7	10				
					Bottom	7.5	0.1	32	25.8	25.8	8.1	8.1	25.8	25.8	58.9	59.0	4.2	4.2	7.0	7.0	10				
						7.5	0.1	30	25.8	25.8	8.1	8.1	25.8	25.8	59.1	59.0	4.2	4.2	7.3	7.3	9				
C2	Cloudy	Moderate	08:24	12.1	Surface	1.0	0.4	4	26.6	26.6	8.1	8.1	21.0	21.0	80.2	80.2	5.7	5.7	5.4	9.4	11.1	8	8	825664	806966
						1.0	0.4	4	26.6	26.6	8.1	8.1	21.0	21.0	80.2	80.2	5.7	5.7							
					Middle	6.1	0.4	9	26.4	26.4	8.1	8.1	21.9	21.9	72.1	72.0	5.1	5.1	12.3	12.3	9				
						6.1	0.4	11	26.4	26.4	8.1	8.1	22.0	22.0	71.9	71.9	5.1	5.1	12.4	12.4	7				
					Bottom	11.1	0.4	8	25.7	25.7	8.1	8.1	24.6	24.6	62.0	61.8	4.4	4.4	11.4	11.4	6				
						11.1	0.4	4	25.7	25.7	8.1	8.1	24.6	24.6	61.6	61.8	4.4	4.4	11.4	11.4	8				
C3	Misty	Calm	07:28	11.6	Surface	1.0	0.4	259	28.1	28.1	8.4	8.4	21.6	21.6	73.6	73.7	5.1	5.1	4.8	2.1	2.9	5	5	822093	817810
						1.0	0.4	261	28.1	28.1	8.4	8.4	21.5	21.6	73.7	73.7	5.1	5.1							
					Middle	5.8	0.4	238	27.2	27.2	8.6	8.6	24.9	25.0	65.5	65.4	4.5	4.5	2.8	2.8	6				
						5.8	0.4	237	27.1	27.1	8.7	8.6	25.2	25.2	65.2	65.2	4.5	4.5	2.8	2.8	5				
					Bottom	10.6	0.4	277	26.5	26.5	8.7	8.7	27.3	27.3	61.8	61.8	4.3	4.3	3.8	3.8	5				
						10.6	0.4	276	26.5	26.5	8.7	8.7	27.3	27.3	61.8	61.8	4.3	4.3	3.8	3.8	5				
IM1	Rainy	Moderate	07:00	6.8	Surface	1.0	0.1	12	26.7	26.7	8.2	8.2	22.6	22.6	89.4	89.4	6.3	6.3	6.1	5.9	6.1	9	9	818331	806462
						1.0	0.1	11	26.7	26.7	8.2	8.2	22.6	22.6	89.3	89.3	6.3	6.3							
					Middle	3.4	0.1	23	26.4	26.4	8.1	8.1	22.8	22.8	83.2	83.2	5.9	5.9	6.2	6.2	9				
						3.4	0.2	18	26.4	26.4	8.1	8.1	22.8	22.8	83.1	83.1	5.9	5.9	6.2	6.2	9				
					Bottom	5.8	0.1	3	26.2	26.2	8.1	8.1	23.7	24.3	68.4	69.2	4.8	4.8	6.3	6.3	8				
						5.8	0.1	357	26.2	26.2	8.1	8.1	24.9	24.9	70.0	70.0	5.0	5.0	6.2	6.2	8				
IM2	Rainy	Moderate	07:06	7.2	Surface	1.0	0.1	7	26.6	26.6	8.2	8.1	22.6	22.6	86.4	86.4	6.1	6.1	5.9	6.0	6.7	9	9	819196	806223
						1.0	0.1	5	26.6	26.6	8.1	8.1	22.6	22.6	86.3	86.3	6.1	6.1							
					Middle	3.6	0.1	357	26.3	26.3	8.1	8.1	23.4	23.5	78.7	78.6	5.6	5.6	6.6	6.6	10				
						3.6	0.1	358	26.2	26.2	8.1	8.1	23.6	23.5	78.5	78.5	5.6	5.6	6.6	6.6	9				
					Bottom	6.2	0.1	359	26.0	26.0	8.1	8.1	24.5	24.5	67.8	67.8	4.8	4.8	7.5	7.5	9				
						6.2	0.2	359	26.0	26.0	8.1	8.1	24.5	24.5	67.8	67.8	4.8	4.8	7.6	7.6	7				
IM7	Rainy	Moderate	07:43	8.0	Surface	1.0	0.2	344	26.7	26.7	8.1	8.1	22.4	22.4	85.9	85.9	6.1	6.1	5.9	7.3	8.5	8	8	821365	806825
						1.0	0.1	344	26.6	26.6	8.1	8.1	22.4	22.4	85.8	85.8	6.1	6.1							
					Middle	4.0	0.1	340	26.4	26.4	8.1	8.1	22.7	22.7	78.6	78.5	5.6	5.6	9.1	9.1	9				
						4.0	0.1	342	26.4	26.4	8.1	8.1	22.7	22.7	78.4	78.4	5.6	5.6	9.1	9.1	9				
					Bottom	7.0	0.2	350	26.4	26.4	8.1	8.1	22.5	22.4	77.8	77.9	5.5	5.5	9.1	9.1	8				
						7.0	0.1	344	26.4	26.4	8.1	8.1	22.4	22.4	78.0	78.0	5.5	5.5	9.1	9.1	8				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	16:14	8.6	Surface	1.0	0.7	226	29.4	29.4	8.1	8.1	22.2	22.2	89.9	90.0	6.0	5.4	1.5	4.6	6	6	815640	804242
						1.0	0.8	225	29.4	29.4	8.1	8.1	22.2	22.2	90.0	90.0	6.0		1.5		6			
					Middle	4.3	0.7	193	28.7	28.7	8.0	8.0	23.4	23.6	75.0	72.0	5.1	4.6	5.7	5				
						4.3	0.6	188	28.7	28.7	8.0	8.0	23.9	23.6	68.9	69.6	4.6		5.7	6				
					Bottom	7.6	0.7	194	28.5	28.5	8.0	8.0	26.7	26.7	69.2	69.6	4.6	4.6	6.6	5				
						7.6	0.7	187	28.5	28.5	8.0	8.0	26.6	26.7	70.0	69.6	4.6		7.0	6				
C2	Sunny	Moderate	14:46	11.3	Surface	1.0	0.6	155	29.5	29.5	8.1	8.1	20.4	20.4	89.2	89.1	6.0	5.9	4.1	3.6	5	5	825692	806941
						1.0	0.7	150	29.5	29.5	8.1	8.1	20.4	20.4	88.9	89.1	6.0		3.9		6			
					Middle	5.7	0.6	187	29.3	29.3	8.1	8.1	22.3	22.3	85.9	85.9	5.8	4.9	2.2	6				
						5.7	0.7	180	29.3	29.3	8.1	8.1	22.3	22.3	85.9	85.9	5.8		2.3	5				
					Bottom	10.3	0.6	176	28.9	28.9	8.1	8.1	25.4	25.4	72.8	73.0	4.8	4.9	4.6	3				
						10.3	0.6	171	28.9	28.9	8.1	8.1	25.4	25.4	73.1	73.0	4.9		4.4	4				
C3	Sunny	Rough	15:34	13.6	Surface	1.0	0.5	55	29.0	29.0	8.1	8.1	19.7	19.7	86.5	86.5	6.0	5.7	3.4	5.9	4	4	822125	817790
						1.0	0.5	48	29.0	29.0	8.1	8.1	19.7	19.7	86.5	86.5	6.0		3.4		4			
					Middle	6.8	0.5	63	28.7	28.7	8.1	8.1	20.3	20.3	76.9	76.9	5.3	5.2	4.7	4				
						6.8	0.5	63	28.7	28.7	8.1	8.1	20.3	20.3	76.9	76.9	5.3		4.7	4				
					Bottom	12.6	0.5	51	28.6	28.6	8.1	8.1	20.8	20.8	75.5	75.5	5.2	5.2	9.4	5				
						12.6	0.5	47	28.6	28.6	8.1	8.1	20.8	20.8	75.5	75.5	5.2		9.4	4				
IM1	Sunny	Moderate	15:49	6.5	Surface	1.0	0.5	181	29.4	29.4	8.1	8.1	22.9	22.9	84.7	84.7	5.7	5.4	2.1	4.6	5	5	818328	806442
						1.0	0.5	186	29.3	29.3	8.1	8.1	22.9	22.9	84.6	84.7	5.7		2.2		4			
					Middle	3.3	0.5	195	28.7	28.7	8.1	8.1	27.0	27.0	76.0	76.0	5.0	4.5	5.3	5				
						3.3	0.5	198	28.7	28.7	8.1	8.1	27.0	27.0	76.0	76.0	5.0		5.4	4				
					Bottom	5.5	0.5	178	28.7	28.7	8.0	8.0	26.9	26.9	68.8	68.8	4.5	4.5	6.0	6				
						5.5	0.5	182	28.7	28.7	8.0	8.0	26.8	26.9	68.8	68.8	4.5		6.7	7				
IM2	Sunny	Moderate	15:44	7.2	Surface	1.0	0.5	212	29.3	29.3	8.1	8.1	21.6	21.6	93.2	93.3	6.3	5.9	1.6	3.0	4	4	819203	806249
						1.0	0.5	209	29.3	29.3	8.1	8.1	21.6	21.6	93.4	93.3	6.3		1.6		4			
					Middle	3.6	0.6	180	29.0	29.0	8.0	8.0	22.8	22.8	81.1	80.8	5.5	4.9	3.3	4				
						3.6	0.6	172	29.0	29.0	8.0	8.0	22.8	22.8	80.4	80.8	5.4		3.3	5				
					Bottom	6.2	0.6	208	28.9	28.9	8.0	8.0	24.4	24.4	72.3	72.5	4.8	5.0	4.2	5				
						6.2	0.6	214	28.9	28.9	8.0	8.0	24.4	24.4	72.7	72.5	4.9		4.2	4				
IM7	Sunny	Moderate	15:19	7.8	Surface	1.0	0.4	200	29.3	29.3	8.1	8.1	20.4	20.4	90.6	90.6	6.1	5.7	4.2	6.8	4	4	821332	806828
						1.0	0.4	196	29.3	29.3	8.1	8.1	20.4	20.4	90.6	90.6	6.1		4.2		4			
					Middle	3.9	0.4	175	29.1	29.1	8.0	8.0	23.8	23.7	77.7	78.0	5.2	5.0	7.2	4				
						3.9	0.4	168	29.1	29.1	8.0	8.0	23.7	23.7	78.3	78.0	5.2		7.2	4				
					Bottom	6.8	0.3	182	29.0	29.0	8.0	8.0	24.4	24.4	74.2	74.4	4.9	5.0	8.9	5				
						6.8	0.3	182	29.0	29.0	8.0	8.0	24.4	24.4	74.5	74.4	5.0		8.9	4				

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Rough	13:58	9.7	Surface	1.0	0.6	94	29.3	29.3	8.2	8.2	18.7	18.7	84.4	84.4	5.8	5.3	2.6	5.4	4	4	822228	809852
						1.0	0.6	99	29.3	8.2	8.2	18.7	18.7	84.4	84.4	5.8								
					Middle	4.9	0.5	96	28.6	28.6	8.2	8.2	21.0	21.0	68.7	68.9	4.7		5.8					
						4.9	0.6	97	28.6	8.2	8.2	21.0	21.0	69.0	4.8	5.8								
					Bottom	8.7	0.6	113	28.4	28.4	8.2	8.2	21.3	21.3	65.4	65.5	4.5		7.8					
						8.7	0.6	113	28.4	8.2	8.2	21.3	21.3	65.6	4.5	7.8								
IM11	Sunny	Rough	14:11	8.5	Surface	1.0	0.6	102	29.3	29.3	8.1	8.1	18.7	18.7	90.2	90.2	6.2	6.2	2.5	3.9	4	821479	810537	
						1.0	0.6	100	29.3	8.1	8.1	18.7	18.7	90.2	90.2	6.2								
					Middle	4.3	0.7	73	29.2	29.2	8.1	8.1	18.7	18.7	88.8	88.8	6.1		2.4					
						4.3	0.7	75	29.2	8.1	8.1	18.7	18.7	88.8	6.1	2.4								
					Bottom	7.5	0.6	87	28.5	28.5	8.1	8.1	21.0	20.9	66.5	66.6	4.6		6.7					
						7.5	0.6	87	28.5	8.1	8.1	20.9	20.9	66.6	4.6	6.8								
IM12	Sunny	Rough	14:15	8.3	Surface	1.0	0.7	86	29.3	29.3	8.1	8.1	18.7	18.7	91.4	91.4	6.3	5.6	2.1	5.1	4	821153	811504	
						1.0	0.7	88	29.3	8.1	8.1	18.7	18.7	91.4	91.4	6.3								
					Middle	4.2	0.7	104	28.6	28.6	8.0	8.0	20.5	20.5	69.6	69.6	4.8		5.4					
						4.2	0.7	99	28.6	8.0	8.0	20.5	20.5	69.6	4.8	5.4								
					Bottom	7.3	0.7	106	28.3	28.3	8.0	8.0	21.4	21.4	65.7	65.7	4.5		7.6					
						7.3	0.8	107	28.3	8.0	8.0	21.4	21.4	65.6	4.5	7.7								
SR1A	Sunny	Moderate	14:56	4.2	Surface	1.0	0.0	100	29.5	29.5	8.1	8.1	18.7	18.7	97.5	97.5	6.7	6.7	2.5	3.0	4	819971	812662	
						1.0	-	99	29.5	-	-	-	-	-	-	6.7								
					Middle	2.1	0.0	73	-	-	-	-	-	-	-	-	-		-					
						2.1	0.1	68	-	-	-	-	-	-	-	-	-							
					Bottom	3.2	0.0	70	29.1	29.1	8.1	8.1	19.0	19.0	88.1	88.1	6.1		3.4					
						3.2	0.0	72	29.1	8.1	8.1	19.0	19.0	88.1	6.1	3.5								
SR2	Sunny	Rough	15:10	3.9	Surface	1.0	0.6	36	28.9	28.9	8.1	8.1	19.8	19.8	85.9	85.9	5.9	5.9	3.3	3.6	5	821465	814153	
						1.0	0.7	28	28.9	8.1	8.1	19.8	19.8	85.9	5.9									
					Middle	-	0.7	60	-	-	-	-	-	-	-	-	-							
						-	0.6	53	-	-	-	-	-	-	-	-	-							
					Bottom	2.9	0.7	70	28.7	28.7	8.1	8.1	20.1	20.1	81.8	81.8	5.7		3.8					
						2.9	0.7	66	28.7	8.1	8.1	20.1	20.1	81.8	5.7	3.8								
SR3	Sunny	Moderate	15:10	8.8	Surface	1.0	0.7	151	29.5	29.5	8.1	8.1	20.0	20.0	88.3	88.2	6.0	5.9	3.3	3.8	4	822168	807586	
						1.0	0.6	146	29.5	8.1	8.1	20.0	20.0	88.1	6.0	3.3								
					Middle	4.4	0.6	166	29.4	29.4	8.0	8.0	20.7	20.7	86.5	86.5	5.8		3.7					
						4.4	0.6	171	29.4	8.0	8.0	20.7	20.7	86.5	5.8	3.7								
					Bottom	7.8	0.6	151	29.3	29.3	8.0	8.0	21.4	21.4	80.2	80.1	5.4		4.5					
						7.8	0.6	146	29.3	8.0	8.0	21.5	21.4	80.0	5.4	4.6								
SR4A	Sunny	Moderate	16:39	8.8	Surface	1.0	0.1	349	29.4	29.4	8.1	8.1	22.2	22.2	86.7	86.6	5.8	5.2	1.9	4.8	4	817210	807797	
						1.0	0.0	342	29.3	8.1	8.1	22.2	22.2	86.4	5.8	2.0								
					Middle	4.4	0.0	356	28.7	28.7	8.1	8.1	26.6	26.6	67.6	67.6	4.5		6.4					
						4.4	0.0	357	28.7	8.1	8.1	26.5	26.6	67.6	4.5	6.4								
					Bottom	7.8	0.1	340	29.0	29.1	8.1	8.1	27.4	27.4	68.2	68.6	4.5		6.4					
						7.8	0.1	341	29.1	8.1	8.1	27.4	27.4	69.0	4.5	5.9								
SR8	Sunny	Moderate	14:21	4.9	Surface	1.0	-	-	29.1	29.1	8.1	8.1	19.5	19.5	93.4	93.4	6.4	6.4	3.4	3.8	4	820383	811617	
						1.0	-	-	29.1	8.1	8.1	19.5	19.5	93.4	6.4	3.5								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.9	-	-	28.9	28.9	8.1	8.1	20.0	20.0	87.5	87.6	6.0		4.2					
						3.9	-	-	28.9	8.1	8.1	20.0	20.0	87.6	6.0	4.2								

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA										
C1	Sunny	Moderate	08:14	8.2	Surface	1.0	0.3	39	28.4	28.4	8.0	8.0	22.2	22.2	76.9	76.7	5.2	4.7	2.4	4.3	4	4	815628	804232								
						1.0	0.3	40	28.4	8.0	8.0	22.2	22.2	76.5	76.7	5.2	2.4		3													
					Middle	4.1	0.3	20	28.0	28.0	7.9	7.9	26.1	26.1	60.3	60.6	4.1	3.9	3.3	4												
						4.1	0.3	17	28.0	28.0	7.9	7.9	26.1	26.1	60.9	60.6	4.1		3.3	4												
					Bottom	7.2	0.2	21	27.9	27.9	7.9	7.9	26.3	26.2	57.2	57.4	3.8	4.7	7.3	4												
						7.2	0.2	26	27.9	27.9	7.9	7.9	26.2	26.2	57.5	57.4	3.9		7.1	4												
					C2	Sunny	Rough	09:34	11.8	Surface	1.0	0.4	3	28.8	28.8	8.1	8.1	20.2	20.2	81.5	81.5				5.6	5.4	3.3	4.8	5	4	825690	806954
											1.0	0.5	359	28.8	28.8	8.1	8.1	20.2	20.2	81.5	81.5				5.6		3.1		4			
Middle	5.9	0.5	343	28.4						28.4	8.1	8.1	22.3	22.3	76.4	76.3	5.2	4.7	2.1	5												
	5.9	0.5	344	28.3						28.3	8.1	8.1	22.3	22.3	76.2	76.2	5.2		2.2	4												
Bottom	10.8	0.4	13	27.9						27.9	8.1	8.1	25.1	25.0	69.1	69.1	4.7	4.7	9.5	4												
	10.8	0.4	18	27.9						27.9	8.1	8.1	25.0	25.0	69.1	69.1	4.7		8.8	4												
C3	Fine	Moderate	07:03	14.1						Surface	1.0	0.3	262	28.1	28.1	8.0	8.0	22.0	22.0	72.9	72.9	5.0	4.7	1.7	3.5	6	4	822107	817824			
											1.0	0.3	265	28.1	28.1	8.0	8.0	22.0	22.0	72.9	72.9	5.0		1.7		5						
					Middle	7.1	0.3	285	27.0	27.0	8.0	8.0	25.2	25.2	61.8	61.8	4.3	3.7	2.1	4												
						7.1	0.3	277	27.0	27.0	8.0	8.0	25.2	25.2	61.8	61.8	4.3		2.2	4												
					Bottom	13.1	0.3	261	25.5	25.5	8.0	8.0	29.0	29.0	52.7	52.7	3.7	4.7	6.8	3												
						13.1	0.2	254	25.5	25.5	8.0	8.0	29.0	29.0	52.7	52.7	3.7		6.8	4												
					IM1	Sunny	Moderate	08:30	6.7	Surface	1.0	0.2	16	28.8	28.8	8.0	8.0	21.8	21.8	77.1	77.1	5.2	4.9	2.2	5.3	3				4	818354	806479
											1.0	0.2	10	28.8	28.8	8.0	8.0	21.8	21.8	77.1	77.1	5.2		2.3		4						
Middle	3.4	0.3	9	28.1						28.1	8.0	8.0	25.7	25.8	66.4	66.4	4.5	4.1	4.7	4												
	3.4	0.3	13	28.1						28.1	8.0	8.0	25.8	25.8	66.4	66.4	4.5		5.2	5												
Bottom	5.7	0.2	350	27.9						27.9	8.0	8.0	25.9	25.8	60.3	60.6	4.1	4.1	8.7	4												
	5.7	0.2	353	27.9						27.9	8.0	8.0	25.8	25.8	60.8	60.6	4.1		8.8	4												
IM2	Sunny	Moderate	08:36	6.8						Surface	1.0	0.2	8	28.4	28.4	8.0	8.0	23.3	23.2	76.6	76.6	5.2	4.9	3.3	5.0	4	4	819163	806247			
											1.0	0.2	0	28.4	28.4	8.0	8.0	23.2	23.2	76.6	76.6	5.2		3.3		4						
					Middle	3.4	0.2	350	28.0	28.0	8.0	8.0	26.4	26.5	66.6	66.6	4.5	4.0	5.5	4												
						3.4	0.2	349	28.0	28.0	8.0	8.0	26.5	26.5	66.6	66.6	4.5		5.6	4												
					Bottom	5.8	0.2	15	27.9	27.9	8.0	8.0	26.6	26.6	60.0	60.2	4.0	4.0	6.4	4												
						5.8	0.2	7	27.9	27.9	8.0	8.0	26.6	26.6	60.3	60.2	4.0		5.9	5												
					IM7	Sunny	Moderate	09:02	8.2	Surface	1.0	0.2	343	28.9	28.9	8.0	8.0	21.3	21.3	77.0	77.0	5.2	4.9	1.6	5.5	6				4	821372	806848
											1.0	0.2	339	28.9	28.9	8.0	8.0	21.3	21.3	77.0	77.0	5.2		1.8		4						
Middle	4.1	0.2	342	28.7						28.7	8.0	8.0	22.8	22.8	68.1	68.1	4.6	4.1	5.5	4												
	4.1	0.2	345	28.7						28.7	8.0	8.0	22.8	22.8	68.0	68.0	4.6		5.6	4												
Bottom	7.2	0.1	334	28.3						28.3	8.0	8.0	24.9	24.9	60.2	60.3	4.1	4.1	9.2	4												
	7.2	0.2	335	28.3						28.3	8.0	8.0	24.9	24.9	60.3	60.3	4.1		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 24 June 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	16:25	8.3	Surface	1.0	0.5	213	28.4	28.4	7.9	7.9	19.2	19.2	92.6	92.6	6.5	6.4	1.8	3.0	4	4	815642	804266
						1.0	0.4	212	28.4	7.9	7.9	19.2	19.2	92.5	92.6	6.5	1.8		4					
					Middle	4.2	0.5	213	28.4	7.8	7.8	19.5	19.5	90.3	90.3	6.3	3.0		4					
						4.2	0.5	212	28.4	7.8	7.8	19.5	19.5	90.2	90.3	6.3	2.9		4					
					Bottom	7.3	0.5	207	28.0	7.8	7.8	21.5	21.5	84.8	84.9	5.9	4.2		4					
						7.3	0.5	201	28.0	7.8	7.8	21.5	21.5	84.9	84.9	5.9	4.2		4					
C2	Rainy	Rough	15:13	10.5	Surface	1.0	0.4	182	28.6	28.6	8.1	8.1	17.6	17.6	91.0	90.9	6.4	5.7	1.7	1.4	3	3	825667	806939
						1.0	0.4	186	28.6	8.1	8.1	17.6	17.6	90.8	90.9	6.4	1.7		4					
					Middle	5.3	0.4	171	28.1	8.0	8.0	21.7	21.7	71.6	71.6	5.0	1.5		3					
						5.3	0.3	175	28.1	8.0	8.0	21.7	21.7	71.6	71.6	5.0	1.5		3					
					Bottom	9.5	0.4	188	28.1	8.0	8.0	21.6	21.9	71.8	71.4	5.0	1.1		3					
						9.5	0.3	184	27.9	8.0	8.0	22.3	21.9	70.9	71.4	4.9	1.2		2					
C3	Rainy	Calm	16:53	10.0	Surface	1.0	0.4	65	25.3	24.7	7.6	7.6	25.9	26.1	74.2	76.8	6.0	5.8	1.8	2.3	3	4	822096	817820
						1.0	0.4	60	24.0	7.6	7.6	26.4	26.4	79.4	76.8	5.8	1.7		4					
					Middle	5.0	0.4	82	24.0	7.6	7.6	26.4	26.5	79.1	78.4	5.7	2.0		4					
						5.0	0.4	78	23.9	7.6	7.6	26.6	26.6	77.6	78.4	5.6	2.0		4					
					Bottom	9.0	0.4	55	22.8	7.6	7.6	30.3	30.0	71.5	74.6	5.2	3.0		4					
						9.0	0.4	54	23.4	7.6	7.6	29.8	30.0	77.7	74.6	5.6	3.0		4					
IM1	Rainy	Rough	16:06	7.1	Surface	1.0	0.2	192	28.5	28.5	7.9	7.9	18.6	18.6	89.5	89.4	6.3	6.0	1.1	3.3	4	3	818356	806460
						1.0	0.2	191	28.5	7.9	7.9	18.6	18.6	89.2	89.4	6.3	1.1		3					
					Middle	3.6	0.2	188	28.3	7.9	7.9	20.2	20.2	81.6	81.5	5.7	2.3		3					
						3.6	0.3	181	28.3	7.9	7.9	20.2	20.2	81.3	81.5	5.7	2.4		3					
					Bottom	6.1	0.3	173	26.9	7.9	7.9	25.0	25.0	69.7	69.9	4.8	6.6		3					
						6.1	0.3	174	26.9	7.9	7.9	25.1	25.0	70.1	69.9	4.9	6.6		3					
IM2	Rainy	Rough	15:56	7.4	Surface	1.0	0.3	191	28.4	28.4	7.8	7.8	19.3	19.3	86.8	86.8	6.1	5.9	1.3	1.4	4	3	819171	806215
						1.0	0.3	186	28.4	7.8	7.8	19.4	19.3	86.7	86.8	6.1	1.3		4					
					Middle	3.7	0.3	182	28.3	7.8	7.8	20.3	20.3	81.5	81.3	5.7	1.4		3					
						3.7	0.3	182	28.3	7.8	7.8	20.3	20.3	81.1	81.3	5.6	1.4		3					
					Bottom	6.4	0.3	168	26.6	7.7	7.7	26.0	26.0	63.1	62.9	4.4	1.4		2					
						6.4	0.3	167	26.6	7.7	7.7	26.1	26.0	62.7	62.9	4.4	1.5		3					
IM7	Rainy	Rough	15:39	8.8	Surface	1.0	0.2	162	28.7	28.7	8.0	8.0	18.3	18.3	83.5	83.4	5.8	5.5	1.6	4.0	4	4	821356	806850
						1.0	0.2	161	28.7	8.0	8.0	18.3	18.3	83.3	83.4	5.8	1.7		3					
					Middle	4.4	0.3	171	28.5	8.0	8.0	19.7	19.8	74.4	74.3	5.2	3.7		4					
						4.4	0.3	167	28.5	8.0	8.0	19.8	19.8	74.2	74.3	5.2	3.8		4					
					Bottom	7.8	0.2	166	27.1	8.0	8.0	26.1	26.2	67.7	67.6	4.7	6.7		4					
						7.8	0.2	165	27.0	8.0	8.0	26.3	26.2	67.4	67.6	4.7	6.7		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 24 June 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA								
IM10	Fine	Calm	15:16	9.2	Surface	1.0	0.5	94	25.5	25.5	7.6	7.5	19.7	19.7	91.8	91.0	6.7	6.2	2.6	4.1	3	3	822263	809854										
						1.0	0.4	96	25.4	7.5	7.5	19.7	19.7	90.2	91.0	6.6	2.7																	
					Middle	4.6	0.4	123	25.3	25.1	7.5	7.5	21.7	21.9	81.2	79.5	5.9		4.3															
						4.6	0.4	127	24.9	25.1	7.5	7.5	22.1	21.9	77.8	79.5	5.7		4.3															
					Bottom	8.2	0.4	103	24.7	25.0	7.5	7.5	24.6	24.6	72.4	74.4	5.2		5.3															
						8.2	0.4	105	25.2	25.0	7.5	7.5	24.6	24.6	76.3	74.4	5.5		5.3															
					IM11	Fine	Calm	15:24	7.4	Surface	1.0	0.5	98	25.5	25.4	7.5	7.5		19.8						19.9	90.4	89.5	6.6	6.3	1.1	2.0	4	821505	810530
											1.0	0.5	101	25.3	25.4	7.5	7.5		20.0						19.9	88.6	89.5	6.5						
Middle	3.7	0.6	79	25.1						25.1	7.5	7.5	22.8	22.8	83.0	82.8	6.0	2.0																
	3.7	0.5	85	25.1						25.1	7.5	7.5	22.8	22.8	82.5	82.8	6.0	2.0																
Bottom	6.4	0.5	108	24.6						24.7	7.5	7.5	24.5	23.8	74.7	76.7	5.4	3.0																
	6.4	0.6	105	24.8						24.7	7.5	7.5	23.2	23.8	78.7	76.7	5.7	2.9																
IM12	Fine	Calm	15:31	7.8						Surface	1.0	0.6	83	25.5	25.4	7.6	7.6	20.3	20.5	90.1	89.2	6.6	6.2	2.1	3.1	4	821174	811526						
											1.0	0.6	78	25.2	25.4	7.6	7.6	20.6	20.5	88.3	89.2	6.5								2.1				
					Middle	3.9	0.5	86	24.7	24.7	7.6	7.6	24.1	23.9	80.6	80.4	5.8	2.9																
						3.9	0.5	92	24.6	24.7	7.6	7.6	23.8	23.9	80.2	80.4	5.8	2.9																
					Bottom	6.8	0.5	96	24.1	24.1	7.6	7.5	26.2	26.0	74.0	74.4	5.4	4.3																
						6.8	0.5	90	24.1	24.1	7.5	7.5	25.9	26.0	74.7	74.4	5.4	4.3																
					SR1A	Rainy	Calm	16:01	4.6	Surface	1.0	0.0	94	25.5	25.5	7.5	7.5	20.2	20.1	88.7	87.5	6.5		6.4					3.7	4.4	4	819974	812664	
											1.0	0.0	88	25.4	25.5	7.5	7.5	20.1	20.1	86.3	87.5	6.3												3.7
Middle	2.3	0.0	94	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
	2.3	0.0	94	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
Bottom	3.6	0.1	111	25.3						25.4	7.5	7.5	21.7	21.6	85.8	87.1	6.2	5.2																
	3.6	0.0	109	25.4						25.4	7.6	7.5	21.6	21.6	88.4	87.1	6.4	5.1																
SR2	Rainy	Calm	16:37	5.4						Surface	1.0	0.5	58	25.3	25.3	7.6	7.6	20.8	20.8	99.6	98.6	7.3	7.2		1.0	1.4	3	821484	814187					
											1.0	0.6	62	25.3	25.3	7.6	7.6	20.8	20.8	97.6	98.6	7.1												1.1
					Middle	-	0.5	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-					-				
						-	0.5	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-					-				
					Bottom	4.4	0.6	48	24.0	24.7	7.6	7.6	26.3	25.8	83.1	87.6	6.0	1.7																
						4.4	0.6	47	25.3	24.7	7.6	7.6	25.3	25.8	92.1	87.6	6.6	1.8																
					SR3	Rainy	Rough	15:31	9.1	Surface	1.0	0.4	149	28.7	28.7	8.1	8.0	18.1	18.1	87.0	86.8	6.1		5.7	1.3					5.1	4	822134	807588	
											1.0	0.4	141	28.7	28.7	8.0	8.0	18.1	18.1	86.6	86.8	6.1												1.3
Middle	4.6	0.4	170	28.5						28.5	8.0	8.0	19.6	19.6	74.9	74.9	5.2	4.4																
	4.6	0.4	173	28.5						28.5	8.0	8.0	19.6	19.6	74.9	74.9	5.2	4.5																
Bottom	8.1	0.4	180	28.2						28.2	7.9	7.9	21.5	21.5	65.6	65.5	4.6	9.5																
	8.1	0.5	181	28.2						28.2	7.9	7.9	21.5	21.5	65.4	65.5	4.5	9.6																
SR4A	Rainy	Rough	16:43	9.2						Surface	1.0	0.0	341	28.4	28.4	8.0	8.0	19.0	19.0	94.7	94.7	6.6	6.5		1.5	2.6	4	817179	807800					
											1.0	0.0	339	28.4	28.4	8.0	8.0	19.0	19.0	94.6	94.7	6.6												1.5
					Middle	4.6	0.0	336	28.4	28.4	7.9	7.9	19.4	19.4	91.1	91.1	6.4	2.8																
						4.6	0.0	338	28.4	28.4	7.9	7.9	19.4	19.4	91.1	91.1	6.4	2.8																
					Bottom	8.2	0.0	320	28.1	28.2	7.9	7.9	20.8	20.8	86.9	87.0	6.1	3.5																
						8.2	0.0	312	28.2	28.2	7.9	7.9	20.8	20.8	87.0	87.0	6.0	3.5																
					SR8	Rainy	Calm	15:46	4.2	Surface	1.0	-	-	25.5	25.5	7.5	7.5	20.4	20.9	88.7	88.1	6.5		6.5	3.1					4.2	4	820381	811631	
											1.0	-	-	25.4	25.5	7.5	7.5	21.3	21.0	87.4	88.1	6.4												3.1
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-								
Bottom	3.2	-	-	25.3						25.4	7.5	7.5	21.6	21.3	83.5	85.6	6.1	5.3																
	3.2	-	-	25.4						25.4	7.5	7.5	21.0	21.0	87.6	85.6	6.4	5.3																

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Rainy	Rough	10:10	8.2	Surface	1.0	0.3	34	28.4	28.4	8.0	8.0	20.4	20.4	84.5	84.5	5.9	5.7	2.1	2.6	4	4	815605	804248		
						1.0	0.4	37	28.4	8.0	20.4	84.4	84.5	5.9												
					Middle	4.1	0.3	47	28.2	28.2	8.0	8.0	20.6	20.6	79.5	79.5	5.5								3.0	
						4.1	0.3	46	28.1	8.0	20.6	79.5	79.5	5.5	3.1											
					Bottom	7.2	0.3	27	27.5	27.5	8.0	8.0	24.9	24.9		68.3	68.3								4.7	4.7
						7.2	0.3	26	27.5	8.0	24.9	68.3	68.3	4.7												
C2	Rainy	Rough	11:20	9.4	Surface	1.0	0.3	341	28.7	28.7	8.0	8.0	17.2	17.2	87.5	87.4	6.2	5.9	1.9	1.7	4	3	825672	806934		
						1.0	0.4	335	28.7	8.0	17.2	87.3	87.4	6.1												
					Middle	4.7	0.3	336	28.6	28.6	8.0	8.0	19.9	19.8	80.2	80.4	5.6								1.6	
						4.7	0.4	333	28.6	8.0	19.8	80.5	80.4	5.6	1.6											
					Bottom	8.4	0.4	331	27.7	27.7	7.9	7.9	22.9	22.9		67.9	68.0								4.7	4.7
						8.4	0.4	323	27.7	7.9	22.9	68.1	68.0	4.7												
C3	Misty	Calm	09:18	10.8	Surface	1.0	0.4	259	25.3	25.3	7.7	7.6	20.8	20.8	98.4	95.9	7.2	6.5	1.6	1.9	3	4	822114	817814		
						1.0	0.4	256	25.3	7.6	20.9	93.4	95.9	6.8												
					Middle	5.4	0.5	260	24.0	24.1	7.6	7.6	26.4	25.9	81.1	81.7	5.9								1.8	
						5.4	0.5	259	24.2	7.6	25.4	82.2	81.7	6.0	1.8											
					Bottom	9.8	0.5	265	23.9	23.6	7.6	7.6	26.8	27.4		82.6	84.5								6.0	6.2
						9.8	0.5	271	23.3	7.6	27.9	86.3	84.5	6.3	2.3											
IM1	Rainy	Moderate	10:26	6.6	Surface	1.0	0.3	10	28.4	28.5	7.9	7.9	19.5	19.5		85.4	85.4	6.0	5.9	1.9	4.2	4	4	818371	806464	
						1.0	0.3	10	28.5	7.9	19.5	85.3	85.4	5.9												
					Middle	3.3	0.3	18	28.4	28.4	7.9	7.9	19.6	19.6	84.0	83.8	5.9	3.4								
						3.3	0.3	21	28.3	7.9	19.7	83.5	83.8	5.8	3.3											
					Bottom	5.6	0.3	353	27.5	27.5	7.8	7.8	22.0	23.2		58.9	58.8	4.1								4.1
						5.6	0.2	356	27.5	7.8	24.4	58.7	58.8	4.1	7.3											
IM2	Rainy	Moderate	10:31	7.1	Surface	1.0	0.3	7	28.6	28.6	7.9	7.9	18.0	18.0		84.3	84.3	5.9	5.6	2.1	2.8	3	3	819182	806228	
						1.0	0.3	1	28.6	7.9	18.0	84.3	84.3	5.9												
					Middle	3.6	0.3	5	28.5	28.5	7.8	7.8	19.8	19.9	76.5	76.5	5.3	2.9								
						3.6	0.3	357	28.5	7.8	19.9	76.5	76.5	5.3	2.9											
					Bottom	6.1	0.3	350	28.4	28.4	7.8	7.8	20.1	20.1		77.7	77.8	5.4								5.4
						6.1	0.3	356	28.4	7.8	20.1	77.9	77.8	5.4												
IM7	Rainy	Moderate	10:54	8.3	Surface	1.0	0.1	339	28.6	28.6	8.0	8.0	17.9	17.9	85.8	85.8	6.0	5.6	2.0	3.4	3	3	821356	806820		
						1.0	0.1	335	28.6	8.0	17.9	85.7	85.8	6.0												
					Middle	4.2	0.1	340	28.5	28.5	7.9	7.9	19.7	19.8	74.8	74.7	5.2								3.1	
						4.2	0.1	340	28.5	7.9	19.8	74.5	74.7	5.2	3.2											
					Bottom	7.3	0.1	354	28.4	28.4	7.9	7.9	20.2	20.2		72.9	72.9								5.1	5.1
						7.3	0.2	347	28.4	7.9	20.2	72.9	72.9	5.1												

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 24 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA		
IM10	Misty	Calm	11:14	9.4	Surface	1.0	0.3	289	25.5	25.4	7.6	7.5	19.7	19.7	90.5	88.8	6.6	5.8	2.3	3.9	3	4	822242	809817				
						1.0	0.4	291	25.3	7.5	7.5	19.7	19.7	87.1	88.8	6.4	5.8	2.3	3									
					Middle	4.7	0.3	282	24.8	24.8	7.5	7.5	24.1	24.3	71.4	70.6	5.2	6.2	4.0	4	4							
						4.7	0.3	283	24.7	7.5	7.5	24.4	24.3	69.8	70.6	5.1	6.2	4.0	4	4								
					Bottom	8.4	0.3	320	24.7	24.9	7.5	7.5	24.5	24.3	70.3	72.8	5.1	5.3	5.4	5.3	4				4			
						8.4	0.3	320	25.1	7.5	7.5	24.1	24.3	75.2	72.8	5.4	5.3	5.4	5.3	4	4							
IM11	Misty	Calm	11:03	6.2	Surface	1.0	0.4	269	25.5	25.5	7.5	7.5	19.6	19.7	90.6	89.2	6.6	6.2	2.8	4.3	2	3	821509	810561				
						1.0	0.4	270	25.4	7.5	7.5	19.7	19.7	87.7	89.2	6.4	6.2	2.8	3									
					Middle	3.1	0.3	285	25.3	25.2	7.5	7.5	21.5	21.4	82.1	80.1	6.0	6.2	4.2	3	3							
						3.1	0.3	279	25.1	7.5	7.5	21.3	21.4	78.1	80.1	5.7	6.2	4.1	3	3								
					Bottom	5.2	0.4	303	25.1	25.2	7.5	7.5	22.8	22.5	78.9	81.4	5.7	5.9	6.0	5.9	4				4			
						5.2	0.4	306	25.3	7.5	7.5	22.2	22.5	83.9	81.4	6.1	5.9	6.1	5.9	4	4							
IM12	Misty	Calm	10:21	9.2	Surface	1.0	0.4	281	25.6	25.4	7.6	7.5	19.0	19.1	91.8	90.1	6.7	6.1	1.3	2.5	3	3	821146	811503				
						1.0	0.3	273	25.2	7.5	7.5	19.2	19.1	88.4	90.1	6.5	6.1	1.3	4									
					Middle	4.6	0.4	272	24.9	24.9	7.5	7.5	23.6	23.6	78.1	75.8	5.7	6.1	2.4	4	4							
						4.6	0.4	271	24.9	7.5	7.5	23.6	23.6	73.5	75.8	5.3	6.1	2.4	4	4								
					Bottom	8.2	0.4	266	23.7	23.7	7.5	7.5	27.7	27.5	65.5	69.0	4.7	5.0	3.8	5.0	3				3			
						8.2	0.4	272	23.7	7.5	7.5	27.3	27.5	72.4	69.0	5.2	5.0	3.8	5.0	3	3							
SR1A	Rainy	Calm	09:49	3.8	Surface	1.0	0.0	177	25.6	25.6	7.5	7.5	19.5	19.6	90.2	89.3	6.6	6.6	2.2	2.6	3	3	819972	812660				
						1.0	0.0	170	25.6	7.5	7.5	19.7	19.6	88.3	89.3	6.5	6.6	2.3	3									
					Middle	1.9	0.0	163	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						1.9	0.1	168	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	2.8	0.0	185	25.5	25.5	7.5	7.5	19.8	19.6	87.5	88.0	6.4	6.5	3.1	6.5	3				3			
						2.8	0.0	180	25.5	7.5	7.5	19.4	19.6	88.4	88.0	6.5	6.5	3.0	6.5	3	3							
SR2	Rainy	Calm	09:33	4.8	Surface	1.0	0.1	304	25.7	25.7	7.5	7.5	18.6	18.5	95.3	95.4	7.0	7.0	1.3	1.7	3	3	821446	814188				
						1.0	0.1	308	25.7	7.5	7.5	18.5	18.5	95.5	95.4	7.0	7.0	1.3	4									
					Middle	-	0.1	293	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						-	0.1	294	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
					Bottom	3.8	0.1	312	25.5	25.5	7.4	7.4	20.5	20.4	85.0	85.0	6.2	6.2	2.1	6.2	2				2			
						3.8	0.1	313	25.5	7.4	7.4	20.3	20.4	84.9	85.0	6.2	6.2	2.2	6.2	2	2							
SR3	Rainy	Rough	11:02	8.6	Surface	1.0	0.2	328	28.6	28.6	8.0	8.0	17.6	17.6	87.8	87.8	6.2	5.8	1.7	1.7	2	3	822129	807583				
						1.0	0.2	334	28.6	8.0	8.0	17.6	17.6	87.7	87.8	6.2	5.8	1.8	5.8	3								
					Middle	4.3	0.2	310	28.6	28.6	7.9	7.9	19.4	19.3	78.0	78.0	5.4	6.0	1.6	5.8	3				3			
						4.3	0.2	312	28.6	7.9	7.9	19.3	19.3	78.0	78.0	5.4	6.0	1.6	6.0	3	3							
					Bottom	7.6	0.2	334	28.4	28.4	7.9	7.9	20.5	20.5	73.7	73.5	5.1	5.1	1.9	6.3	4				4			
						7.6	0.1	329	28.4	7.9	7.9	20.6	20.5	73.3	73.5	5.1	5.1	1.9	6.3	4	4							
SR4A	Rainy	Moderate	09:47	8.8	Surface	1.0	0.0	114	28.5	28.5	8.1	8.1	19.6	19.6	88.4	88.4	6.2	6.0	2.6	4.1	4	3	817186	807815				
						1.0	0.1	121	28.5	8.1	8.1	19.6	19.6	88.4	88.4	6.2	6.0	2.5	6.0	3								
					Middle	4.4	0.0	122	28.1	28.1	8.0	8.0	22.3	22.3	83.5	83.3	5.8	6.0	3.6	6.0	3				3			
						4.4	0.0	123	28.1	8.0	8.0	22.2	22.3	83.0	83.3	5.8	6.0	3.7	6.0	3	3							
					Bottom	7.8	0.0	117	27.4	27.4	8.0	8.0	25.5	25.5	63.7	63.7	4.4	4.4	6.2	6.3	2				2			
						7.8	0.1	121	27.4	8.0	8.0	25.5	25.5	63.7	63.7	4.4	4.4	6.2	6.3	2	2							
SR8	Rainy	Calm	10:15	4.0	Surface	1.0	-	-	26.0	26.0	7.5	7.5	19.6	19.6	91.7	91.7	6.7	6.7	3.6	3.9	3	3	820367	811640				
						1.0	-	-	25.9	7.5	7.5	19.7	19.6	91.6	91.7	6.7	6.7	3.6	3									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	3.0	-	-	25.6	25.6	7.5	7.5	19.9	20.0	85.0	86.0	6.2	6.3	4.3	6.3	4				4			
						3.0	-	-	25.6	7.5	7.5	20.1	20.0	86.9	86.0	6.3	6.3	4.2	6.3	4	4							

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

Water Quality Monitoring

Water Quality Monitoring Results on 27 June 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
C1	Sunny	Moderate	07:28	7.2	Surface	1.0	0.3	206	<u>25.7</u>	25.7	7.9	7.9	<u>17.4</u>	17.4	<u>92.8</u>	92.6	6.9	6.1	2.8	5.8	6	5	815637	804231		
						1.0	0.3	201	25.7		7.9		17.4		92.3		6.8		2.8		5					
					Middle	3.6	0.2	213	<u>24.9</u>	24.9	7.8	7.8	21.4	21.4	72.1	72.1	5.3	4.0	5.7	4.0	5.7	4.0			6	5
						3.6	0.2	217	24.9		7.8		21.4		72.1		5.3		5.7		5					
					Bottom	6.2	0.2	218	<u>23.8</u>	23.8	7.8	7.8	<u>26.2</u>	26.4	<u>54.9</u>	54.5	4.0	4.0	8.9	4.0	8.9	4.0			5	5
						6.2	0.2	213	23.8		7.8		26.5		54.0		3.9		8.9		5					
C2	Sunny	Moderate	08:57	9.1	Surface	1.0	0.4	167	<u>26.4</u>	26.5	7.8	7.8	<u>6.8</u>	6.5	<u>90.8</u>	90.8	7.0	6.7	5.8	5.1	5	5	825674	806964		
						1.0	0.4	171	26.5		7.8		6.2		90.7		7.1		5.9		5					
					Middle	4.6	0.4	161	<u>25.6</u>	25.6	7.9	7.8	15.5	15.5	85.1	84.9	6.4	6.1	4.7	6.1	4.8	6.1			5	5
						4.6	0.4	161	25.5		7.8		15.5		84.6		6.4		4.8		5					
					Bottom	8.1	0.5	161	<u>25.2</u>	25.2	7.8	7.8	<u>17.7</u>	17.7	<u>81.9</u>	81.9	6.1	6.1	4.6	6.1	4.6	6.1			5	5
						8.1	0.5	158	25.2		7.8		17.8		81.8		6.1		4.6		6					
C3	Sunny	Moderate	07:50	10.9	Surface	1.0	0.3	75	<u>28.7</u>	28.7	8.2	8.2	<u>16.4</u>	16.4	<u>97.3</u>	97.2	6.9	6.1	1.3	1.8	4	3	822104	817791		
						1.0	0.3	78	28.7		8.2		16.4		97.0		6.9		1.3		3					
					Middle	5.5	0.2	89	<u>27.9</u>	27.9	8.2	8.2	20.7	20.7	76.4	76.5	5.3	5.1	1.4	5.1	1.4	5.1			4	2
						5.5	0.3	89	27.9		8.2		20.7		76.5		5.4		1.4		3					
					Bottom	9.9	0.3	74	<u>26.5</u>	26.5	8.1	8.1	<u>25.6</u>	25.6	<u>72.9</u>	72.9	5.1	5.1	2.5	5.1	2.5	5.1			2	3
						9.9	0.3	78	26.4		8.1		25.7		72.8		5.1		2.5		3					
IM1	Sunny	Moderate	07:47	6.4	Surface	1.0	0.1	181	<u>24.9</u>	24.9	7.9	7.9	<u>22.2</u>	22.2	<u>77.3</u>	77.3	5.6	5.4	3.1	3.9	5	5	818334	806445		
						1.0	0.2	174	24.9		7.9		22.3		77.2		5.6		3.1		6					
					Middle	3.2	0.2	197	<u>24.8</u>	24.8	7.9	7.9	<u>22.2</u>	22.2	<u>72.0</u>	71.8	5.3	3.8	4.4	3.8	4.5	3.8			5	5
						3.2	0.3	196	24.8		7.9		22.2		71.6		5.2		4.5		6					
					Bottom	5.4	0.2	206	<u>23.8</u>	23.8	7.8	7.8	<u>27.8</u>	27.8	<u>52.3</u>	52.4	3.8	3.8	4.0	3.8	3.8	3.8			5	5
						5.4	0.2	198	23.8		7.8		27.8		52.4		3.8		4.1		5					
IM2	Sunny	Moderate	07:57	6.6	Surface	1.0	0.2	201	<u>24.1</u>	24.1	7.8	7.8	<u>26.3</u>	26.3	<u>84.8</u>	84.8	6.4	5.3	2.6	3.8	4	4	819203	806214		
						1.0	0.2	202	24.1		7.8		26.4		84.8		6.4		2.4		4					
					Middle	3.3	0.2	175	<u>24.0</u>	24.0	7.8	7.8	<u>26.7</u>	26.7	<u>56.1</u>	56.1	4.1	3.7	3.2	3.7	3.2	3.7			4	4
						3.3	0.3	170	24.0		7.8		26.7		56.1		4.1		3.2		4					
					Bottom	5.6	0.2	186	<u>23.0</u>	23.1	7.8	7.8	<u>30.7</u>	30.7	<u>51.2</u>	51.2	3.7	3.7	5.7	3.7	5.7	3.7			5	4
						5.6	0.2	186	23.1		7.8		30.7		51.2		3.7		5.7		4					
IM7	Sunny	Moderate	08:23	6.9	Surface	1.0	0.1	176	<u>26.7</u>	26.7	8.1	8.1	11.0	11.0	<u>106.8</u>	106.7	8.0	7.1	2.3	3.2	4	5	821364	806840		
						1.0	0.2	174	26.7		8.1		11.0		106.5		8.0		2.3		4					
					Middle	3.5	0.2	168	<u>25.5</u>	25.5	7.9	7.9	<u>18.3</u>	18.3	<u>83.6</u>	83.4	6.2	4.3	3.0	4.3	3.0	4.3			5	5
						3.5	0.2	167	25.4		7.9		18.4		83.1		6.2		3.0		5					
					Bottom	5.9	0.1	193	<u>24.4</u>	24.4	7.8	7.8	<u>24.6</u>	24.6	<u>58.3</u>	58.5	4.2	4.3	4.3	4.3	4.2	4.3			5	5
						5.9	0.1	190	24.4		7.8		24.6		58.7		4.3		4.3		5					

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Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value	DA
IM10	Sunny	Moderate	09:15	7.7	Surface	1.0	0.3	126	29.5	8.3	8.3	11.8	11.8	100.7	100.5	7.2	6.0	3.2	5.8	4	4	822251	809861			
						1.0	0.3	133	29.5	8.3	8.3	11.9	11.8	100.3	100.5	7.2										
					Middle	3.9	0.3	108	27.7	27.7	8.1	8.1	15.7	15.7	65.3	65.3								4.7	6.0	3.2
						3.9	0.2	114	27.7	27.7	8.1	8.1	15.7	15.7	65.3	65.3								4.7	6.0	3.2
					Bottom	6.7	0.4	114	27.4	27.4	8.1	8.1	22.7	22.7	53.1	53.1								3.7	3.7	10.5
						6.7	0.4	108	27.4	27.4	8.1	8.1	22.7	22.7	53.1	53.1								3.7	3.7	10.5
IM11	Sunny	Moderate	09:07	7.7	Surface	1.0	0.3	109	29.4	29.4	8.3	8.3	11.3	11.4	102.3	101.7	7.3	6.0	3.2	6.2	4	821504	810555			
						1.0	0.4	105	29.4	29.4	8.3	8.3	11.5	11.4	101.0	101.7	7.3									
					Middle	3.9	0.4	115	28.0	27.9	8.2	8.2	19.2	19.2	66.0	65.8	4.7							6.0	3.3	
						3.9	0.4	108	27.8	27.9	8.2	8.2	19.3	19.2	65.6	65.8	4.6							6.0	3.3	
					Bottom	6.7	0.3	81	26.8	26.8	8.2	8.2	24.5	24.5	56.2	56.2	3.9							3.9	9.9	
						6.7	0.3	75	26.8	26.8	8.2	8.2	24.5	24.5	56.2	56.2	3.9							3.9	9.9	
IM12	Sunny	Moderate	08:59	8.2	Surface	1.0	0.4	97	29.1	29.1	8.4	8.4	11.3	11.3	97.5	96.6	7.0	5.7	2.6	6.0	4	821143	811534			
						1.0	0.3	93	29.0	29.1	8.4	8.4	11.3	11.3	95.6	96.6	6.9									
					Middle	4.1	0.3	101	28.1	28.1	8.3	8.3	14.4	14.4	62.4	62.4	4.5							6.0	2.8	
						4.1	0.4	100	28.1	28.1	8.3	8.3	14.4	14.4	62.4	62.4	4.5							6.0	2.8	
					Bottom	7.2	0.4	95	25.9	25.9	8.2	8.2	27.5	27.5	50.0	50.0	3.5							3.5	9.3	
						7.2	0.4	95	25.9	25.9	8.2	8.2	27.5	27.5	50.0	50.0	3.5							3.5	9.3	
SR1A	Sunny	Moderate	08:28	5.4	Surface	1.0	0.0	142	29.1	29.0	8.3	8.3	12.4	12.4	99.8	99.5	7.2	7.2	3.8	6.5	3	819976	812661			
						1.0	0.0	141	28.8	29.0	8.3	8.3	12.5	12.4	99.2	99.5	7.2									
					Middle	2.7	0.0	153	-	-	-	-	-	-	-	-	-							-	-	
						2.7	0.0	150	-	-	-	-	-	-	-	-	-							-	-	
					Bottom	4.4	0.1	164	28.2	28.2	8.1	8.1	20.8	20.6	69.5	70.4	4.8							4.9	9.0	
						4.4	0.0	159	28.2	28.2	8.2	8.1	20.5	20.6	71.2	70.4	5.0							4.9	9.2	
SR2	Sunny	Moderate	08:12	4.5	Surface	1.0	0.3	37	29.1	29.1	8.3	8.3	15.0	15.0	97.5	97.6	6.9	6.9	1.9	2.1	3	821445	814184			
						1.0	0.3	43	29.1	29.1	8.3	8.3	15.0	15.0	97.6	97.6	6.9									
					Middle	-	0.3	35	-	-	-	-	-	-	-	-	-							-	-	
						-	0.4	31	-	-	-	-	-	-	-	-	-							-	-	
					Bottom	3.5	0.3	38	28.4	28.4	8.2	8.2	18.3	18.3	76.9	76.9	5.4							5.4	2.3	
						3.5	0.3	40	28.4	28.4	8.2	8.2	18.3	18.3	76.9	76.9	5.4							5.4	2.3	
SR3	Sunny	Moderate	08:35	8.9	Surface	1.0	0.4	173	26.3	26.3	8.0	8.0	12.4	12.4	98.1	97.9	7.4	6.0	3.8	4.1	5	822167	807583			
						1.0	0.4	169	26.3	26.3	8.0	8.0	12.4	12.4	97.7	97.9	7.4									
					Middle	4.5	0.4	179	24.4	24.5	7.8	7.8	23.3	23.2	61.8	62.0	4.5							6.0	3.8	
						4.5	0.4	175	24.5	24.5	7.8	7.8	23.2	23.2	62.1	62.0	4.5							6.0	3.8	
					Bottom	7.9	0.4	155	24.0	24.0	7.8	7.8	25.8	25.8	55.2	55.2	4.0							4.0	4.4	
						7.9	0.4	153	24.0	24.0	7.8	7.8	25.8	25.8	55.2	55.2	4.0							4.0	4.4	
SR4A	Sunny	Moderate	07:05	8.6	Surface	1.0	0.0	102	25.6	25.7	7.8	7.8	17.3	17.3	84.7	84.6	6.3	5.1	3.6	4.0	5	817181	807804			
						1.0	0.0	102	25.7	25.7	7.8	7.8	17.2	17.3	84.5	84.6	6.3									
					Middle	4.3	0.0	91	24.0	24.0	7.7	7.7	26.5	26.5	52.5	52.5	3.8							6.0	3.6	
						4.3	0.0	88	24.0	24.0	7.7	7.7	26.5	26.5	52.5	52.5	3.8							6.0	3.6	
					Bottom	7.6	0.0	79	23.3	23.3	7.8	7.8	29.1	29.1	49.8	49.9	3.6							3.6	3.5	
						7.6	0.0	73	23.3	23.3	7.8	7.8	29.1	29.1	49.9	49.9	3.6							3.6	3.5	
SR8	Sunny	Moderate	08:53	5.2	Surface	1.0	-	-	29.6	29.6	8.3	8.3	11.2	11.2	114.1	114.0	8.2	8.2	2.8	6.8	3	820399	811633			
						1.0	-	-	29.6	29.6	8.3	8.3	11.2	11.2	113.8	114.0	8.1									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							-	-	
						-	-	-	-	-	-	-	-	-	-	-	-							-	-	
					Bottom	4.2	-	-	27.9	27.9	8.2	8.2	20.5	20.5	65.5	65.7	4.6							4.6	10.5	
						4.2	-	-	27.9	27.9	8.2	8.2	20.6	20.5	65.8	65.7	4.6							4.6	11.2	

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 27 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA			Value
C1	Sunny	Rough	13:03	7.7	Surface	1.0	0.1	50	26.5	26.5	8.2	8.2	10.0	10.0	123.8	123.7	9.4	9.4	3.5	3.5	4	4	5	815636	804265
						1.0	0.1	55	26.5	8.2	8.2	10.0	10.0	123.5	123.7	9.4	9.4	3.5	3.5	4	4				
					Middle	3.9	0.1	34	25.8	25.8	7.9	7.9	15.7	15.7	95.6	95.6	7.1	7.1	2.9	2.9	4	4			
						3.9	0.2	30	25.8	25.8	7.9	7.9	15.6	15.6	95.5	95.6	7.1	7.1	2.9	2.9	5	5			
					Bottom	6.7	0.2	56	24.9	24.9	7.8	7.8	21.2	21.2	78.3	78.4	5.7	5.7	2.9	2.9	5	5			
						6.7	0.1	63	24.9	24.9	7.8	7.8	21.2	21.2	78.5	78.4	5.8	5.8	2.9	2.9	5	5			
C2	Sunny	Rough	11:50	9.7	Surface	1.0	0.1	203	25.8	25.8	7.9	7.9	12.3	12.5	85.1	85.1	6.4	6.4	4.2	4.2	5	5	5	825690	806941
						1.0	0.1	203	25.8	25.8	7.9	7.9	12.7	12.5	85.0	85.1	6.4	6.4	4.2	4.2	5	5			
					Middle	4.9	0.1	194	24.0	24.0	7.8	7.8	25.7	25.7	62.2	62.2	4.5	4.5	3.3	3.3	5	5			
						4.9	0.0	193	24.0	24.0	7.8	7.8	25.6	25.6	62.2	62.2	4.5	4.5	3.3	3.3	5	5			
					Bottom	8.7	0.1	204	23.4	23.4	7.8	7.8	28.0	28.0	60.5	60.6	4.4	4.4	3.5	3.5	5	5			
						8.7	0.1	197	23.4	23.4	7.8	7.8	28.0	28.0	60.7	60.6	4.4	4.4	3.6	3.6	5	5			
C3	Sunny	Moderate	13:58	11.4	Surface	1.0	0.3	254	29.7	29.7	8.4	8.4	16.6	16.6	147.0	146.7	10.2	10.2	1.5	1.5	5	4	5	822123	817805
						1.0	0.2	255	29.6	29.7	8.4	8.4	16.7	16.6	146.3	146.7	10.2	10.2	1.5	1.5	4	4			
					Middle	5.7	0.3	250	26.1	26.1	8.1	8.1	26.3	26.5	66.3	66.2	4.6	4.6	1.1	1.1	5	5			
						5.7	0.3	243	26.0	26.1	8.1	8.1	26.6	26.5	66.1	66.2	4.6	4.6	1.1	1.1	5	5			
					Bottom	10.4	0.3	269	24.3	24.3	8.1	8.1	31.1	31.1	55.1	55.3	3.9	3.9	6.2	6.2	5	5			
						10.4	0.3	264	24.3	24.3	8.1	8.1	31.1	31.1	55.4	55.3	3.9	3.9	7.1	7.1	5	5			
IM1	Sunny	Moderate	12:44	6.9	Surface	1.0	0.1	349	25.7	25.7	8.1	8.1	18.7	18.7	108.1	108.0	7.9	7.9	2.4	2.4	4	5	5	818337	806479
						1.0	0.2	343	25.7	25.7	8.1	8.1	18.7	18.7	107.9	108.0	7.9	7.9	2.4	2.4	5	5			
					Middle	3.5	0.1	344	24.3	24.3	7.9	7.9	25.2	25.2	62.6	62.7	4.5	4.5	3.2	3.2	5	5			
						3.5	0.1	346	24.3	24.3	7.9	7.9	25.2	25.2	62.7	62.7	4.6	4.6	3.2	3.2	5	5			
					Bottom	5.9	0.1	8	23.4	23.4	7.9	7.9	29.0	29.0	51.3	51.3	3.7	3.7	4.8	4.8	5	4			
						5.9	0.1	0	23.4	23.4	7.9	7.9	29.0	29.0	51.3	51.3	3.7	3.7	4.8	4.8	4	4			
IM2	Sunny	Moderate	12:35	7.1	Surface	1.0	0.2	263	25.2	25.2	8.0	8.0	20.5	20.4	89.2	89.1	6.6	6.5	3.1	3.1	5	4	5	819201	806226
						1.0	0.2	268	25.2	25.2	8.0	8.0	20.4	20.4	89.0	89.1	6.5	6.5	3.1	3.1	4	4			
					Middle	3.6	0.2	259	23.9	23.9	7.9	7.9	26.9	26.8	57.5	57.5	4.2	4.2	3.4	3.4	5	4			
						3.6	0.1	262	23.9	23.9	7.9	7.9	26.8	26.8	57.5	57.5	4.2	4.2	3.4	3.4	4	4			
					Bottom	6.1	0.1	270	23.0	23.0	7.9	7.9	30.6	30.6	46.5	46.5	3.4	3.4	4.1	4.1	6	5			
						6.1	0.1	266	23.0	23.0	7.9	7.9	30.6	30.6	46.5	46.5	3.4	3.4	4.2	4.2	5	5			
IM7	Sunny	Moderate	12:14	7.5	Surface	1.0	0.1	267	26.8	26.8	8.1	8.1	11.0	11.0	112.7	112.4	8.5	8.4	2.6	2.6	4	4	5	821327	806817
						1.0	0.2	274	26.8	26.8	8.1	8.1	11.0	11.0	112.1	112.4	8.4	8.4	2.6	2.6	4	4			
					Middle	3.8	0.1	243	24.9	24.9	7.8	7.8	21.7	21.7	71.7	71.7	5.3	5.3	3.4	3.4	4	4			
						3.8	0.1	239	24.9	24.9	7.8	7.8	21.7	21.7	71.7	71.7	5.3	5.3	3.5	3.5	5	5			
					Bottom	6.5	0.2	263	24.4	24.4	7.7	7.7	24.4	24.4	58.4	58.6	4.3	4.3	5.9	5.9	5	5			
						6.5	0.2	268	24.4	24.4	7.7	7.7	24.4	24.4	58.7	58.6	4.3	4.3	5.9	5.9	6	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 27 June 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Sunny	Moderate	11:44	7.4	Surface	1.0	0.1	244	29.8	29.9	8.3	8.3	11.7	11.7	118.3	118.6	8.4	6.9	3.3	4.4	4	4	822262	809848
						1.0	0.2	239	29.9		8.3		11.7		118.8		8.4		3.2		4			
					Middle	3.7	0.1	249	28.5	28.5	8.1	8.1	17.8	17.8	76.0	75.8	5.3	3.5	1.8	4	4			
						3.7	0.2	249	28.5		8.1		17.8		75.6		5.3		1.9		4			
					Bottom	6.4	0.1	236	27.1	27.1	8.2	8.2	23.6	23.6	49.8	50.0	49.9	3.5	8.2	3.5	4			
						6.4	0.1	232	27.1		8.2		23.6		50.0		3.5		8.2		5			
IM11	Sunny	Moderate	11:52	7.7	Surface	1.0	0.1	283	29.3	29.3	8.3	8.3	11.8	11.8	111.3	111.3	8.0	6.3	2.9	4.8	4	4	821484	810535
						1.0	0.2	281	29.3		8.3		11.8		111.3		8.0		2.9		4			
					Middle	3.9	0.1	273	27.9	27.9	8.2	8.2	20.4	20.4	64.1	64.1	4.5	3.8	2.5	3.8	4			
						3.9	0.1	270	27.9		8.2		20.4		64.1		4.5		2.5		4			
					Bottom	6.7	0.1	248	27.0	27.0	8.2	8.2	24.0	24.0	54.7	55.0	54.9	3.8	8.9	3.8	5			
						6.7	0.1	247	27.0		8.2		24.0		55.0		3.8		9.0		4			
IM12	Sunny	Moderate	11:59	8.4	Surface	1.0	0.2	286	29.6	29.6	8.2	8.2	11.7	11.7	117.0	117.0	8.4	6.2	2.7	2.4	4	4	821163	811501
						1.0	0.2	279	29.6		8.2		11.6		116.9		8.3		2.7		5			
					Middle	4.2	0.1	293	27.5	27.5	8.1	8.1	22.0	22.0	56.5	56.5	3.9	3.5	2.5	3.5	4			
						4.2	0.2	289	27.5		8.1		21.9		56.5		4.0		2.5		3			
					Bottom	7.4	0.1	302	25.8	25.8	8.1	8.1	27.5	27.5	49.5	49.7	49.6	3.5	2.1	3.5	3			
						7.4	0.1	305	25.8		8.1		27.5		49.7		3.5		2.2		4			
SR1A	Sunny	Moderate	13:22	5.7	Surface	1.0	0.0	164	29.5	29.5	8.3	8.3	14.5	14.5	106.9	106.0	7.5	7.5	2.8	4.9	4	4	819981	812664
						1.0	0.0	170	29.5		8.3		14.6		105.0		7.4		3.0		4			
					Middle	2.9	-	170	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.9	0.0	169	-		-		-		-		-		-		-			
					Bottom	4.7	0.0	186	27.4	27.4	8.1	8.1	22.8	22.8	64.4	64.7	64.6	4.5	7.0	4.5	4			
						4.7	0.1	183	27.4		8.1		22.8		64.7		4.5		6.7		5			
SR2	Sunny	Moderate	13:35	4.0	Surface	1.0	0.0	297	29.2	29.2	8.4	8.4	15.0	15.0	122.2	122.2	8.6	8.6	2.1	2.1	5	5	821441	814159
						1.0	0.1	299	29.2		8.4		15.0		122.2		8.6		2.1		5			
					Middle	-	0.1	295	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.1	298	-		-		-		-		-		-					
					Bottom	3.0	0.1	315	28.7	28.7	8.2	8.2	18.2	18.2	101.9	102.6	102.3	7.1	7.2	7.2	2.2			
						3.0	0.1	319	28.7		8.2		18.2		102.6		7.2		2.2		4			
SR3	Sunny	Moderate	12:06	9.2	Surface	1.0	0.1	179	26.3	26.3	8.0	8.0	13.1	13.0	104.4	104.2	7.8	6.4	2.8	3.1	4	4	822144	807579
						1.0	0.1	185	26.3		8.0		13.0		103.9		7.8		2.8		4			
					Middle	4.6	0.1	169	24.9	24.9	7.7	7.7	20.4	21.3	67.8	68.0	5.0	4.3	2.8	4.3	4			
						4.6	0.1	169	24.9		7.7		22.3		68.2		5.0		2.8		5			
					Bottom	8.2	0.1	186	24.0	24.0	7.7	7.7	25.7	25.7	59.0	59.0	59.0	4.3	3.8	4.3	5			
						8.2	0.1	191	24.0		7.7		25.8		59.0		4.3		3.8		5			
SR4A	Sunny	Moderate	13:22	9.2	Surface	1.0	0.0	126	26.4	26.4	8.1	8.1	15.5	15.5	113.3	113.3	8.4	7.8	5.1	5.5	5	5	817199	807819
						1.0	0.1	123	26.3		8.1		15.5		113.3		8.4		5.1		5			
					Middle	4.6	0.0	127	25.6	25.6	8.1	8.1	19.6	19.6	97.1	96.8	97.0	7.1	5.3	3.5	4			
						4.6	0.0	122	25.6		8.1		19.6		96.8		7.1		5.3		5			
					Bottom	8.2	0.1	120	23.4	23.4	7.9	7.9	27.7	28.7	48.7	48.7	48.7	3.5	6.1	3.5	5			
						8.2	0.0	120	23.3		7.9		29.7		48.7		3.5		6.2		4			
SR8	Sunny	Moderate	12:06	4.3	Surface	1.0	-	-	30.1	30.1	8.2	8.2	10.7	10.7	120.7	120.6	8.6	8.6	3.0	2.9	6	5	820393	811606
						1.0	-	-	30.1		8.2		10.8		120.4		8.6		3.1		5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-		-		-		-		-		-					
					Bottom	3.3	-	-	27.7	27.7	8.2	8.2	16.1	16.1	62.9	62.9	62.9	4.4	2.8	4.4	5			
						3.3	-	-	27.7		8.2		16.1		62.9		4.4		2.8		4			

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

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Moderate	09:06	8.2	Surface	1.0	0.2	201	26.3	26.3	8.2	8.2	16.7	16.7	97.0	96.8	7.1	6.3	4.0	7.0	4	6	815604	804251
						1.0	0.3	197	26.3		8.2		16.7		96.5		7.1		4.0		5			
					Middle	4.1	0.3	194	25.5	25.5	8.1	8.1	20.7	20.7	76.3	76.3	5.5	4.2	6.9	6	6			
						4.1	0.3	193	25.5		8.1		20.7		76.3		5.5		6.9		6			
					Bottom	7.2	0.3	199	24.4	24.4	8.0	8.0	25.5	25.7	59.1	58.7	4.2	4.2	10.1	6	7			
						7.2	0.3	200	24.4		8.0		25.8		58.2		4.2		10.1		6			
C2	Sunny	Moderate	11:07	10.9	Surface	1.0	0.6	161	27.0	27.1	8.2	8.2	6.1	5.8	107.2	107.2	8.2	7.4	7.0	6.3	5	5	825671	806956
						1.0	0.7	159	27.1		8.2		5.5		107.2		8.2		7.1		6			
					Middle	5.5	0.6	173	26.2	26.2	8.1	8.1	14.8	14.8	89.3	89.1	6.6	4.1	6.0	6	5			
						5.5	0.6	168	26.1		8.1		14.8		88.8		6.6		6.0		6			
					Bottom	9.9	0.7	188	25.8	25.8	8.1	8.1	17.0	17.0	56.0	56.0	4.1	4.1	5.8	6	5			
						9.9	0.7	184	25.8		8.1		17.1		56.0		4.1		5.8		4			
C3	Sunny	Moderate	09:34	10.8	Surface	1.0	0.4	85	25.2	25.2	8.2	8.2	19.7	19.7	141.9	141.7	10.5	8.7	2.8	3.7	6	5	822121	817816
						1.0	0.4	86	25.2		8.2		19.7		141.5		10.4		2.9		5			
					Middle	5.4	0.3	78	23.6	23.6	8.0	8.0	25.3	25.3	94.3	94.3	6.9	6.7	3.4	6	5			
						5.4	0.4	72	23.6		8.0		25.3		94.3		6.9		3.4		5			
					Bottom	9.8	0.4	95	23.5	23.5	7.9	7.9	25.2	25.2	90.8	90.6	6.7	6.7	4.7	6	5			
						9.8	0.4	96	23.5		7.9		25.2		90.4		6.7		4.7		4			
IM1	Sunny	Moderate	09:25	6.5	Surface	1.0	0.3	191	25.5	25.5	8.1	8.1	21.5	21.5	91.4	91.4	6.6	5.7	4.4	5.1	5	5	818358	806460
						1.0	0.3	188	25.5		8.1		21.6		91.4		6.6		4.3		6			
					Middle	3.3	0.2	196	25.4	25.4	8.1	8.1	21.5	21.5	65.8	65.8	4.8	3.2	5.6	6	5			
						3.3	0.3	188	25.4		8.1		21.5		65.8		4.8		5.7		6			
					Bottom	5.5	0.2	173	24.4	24.4	8.1	8.1	27.1	27.1	44.6	44.6	3.2	3.2	5.2	6	4			
						5.5	0.2	179	24.4		8.1		27.1		44.6		3.2		5.3		5			
IM2	Sunny	Moderate	09:35	6.9	Surface	1.0	0.2	188	24.7	24.7	8.1	8.1	25.6	25.6	95.4	95.4	6.8	5.6	3.8	5.0	5	5	819181	806229
						1.0	0.2	187	24.7		8.1		25.7		95.4		6.8		3.6		5			
					Middle	3.5	0.2	209	24.6	24.6	8.1	8.1	26.0	26.0	62.3	62.3	4.4	2.9	4.4	6	5			
						3.5	0.2	211	24.6		8.1		26.0		62.3		4.4		4.5		4			
					Bottom	5.9	0.3	218	23.6	23.7	8.1	8.1	30.0	30.0	40.8	40.8	2.9	3.6	6.9	6	4			
						5.9	0.3	220	23.7		8.1		30.0		40.8		2.9		6.9		5			
IM7	Sunny	Moderate	10:17	7.7	Surface	1.0	0.2	189	27.3	27.3	8.3	8.3	10.3	10.3	111.0	110.9	8.3	7.1	3.5	4.4	5	5	821371	806841
						1.0	0.2	194	27.3		8.3		10.3		110.7		8.2		3.5		6			
					Middle	3.9	0.3	176	26.1	26.1	8.1	8.1	17.6	17.6	82.6	82.6	6.0	3.6	4.2	6	6			
						3.9	0.3	171	26.0		8.1		17.7		82.6		6.0		4.2		5			
					Bottom	6.7	0.2	179	25.0	25.0	8.1	8.1	23.9	23.9	49.5	49.5	3.6	3.6	5.5	6	5			
						6.7	0.2	182	25.0		8.1		23.9		49.5		3.6		5.5		4			

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

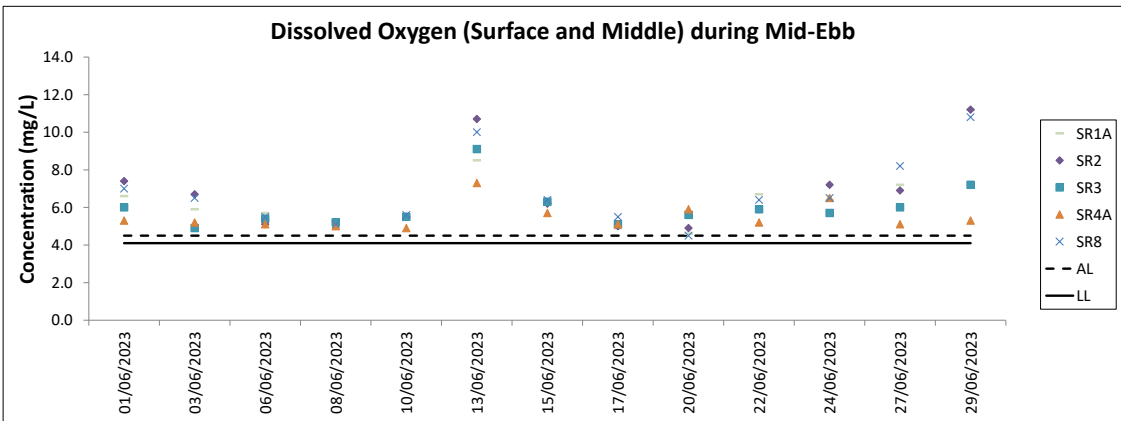
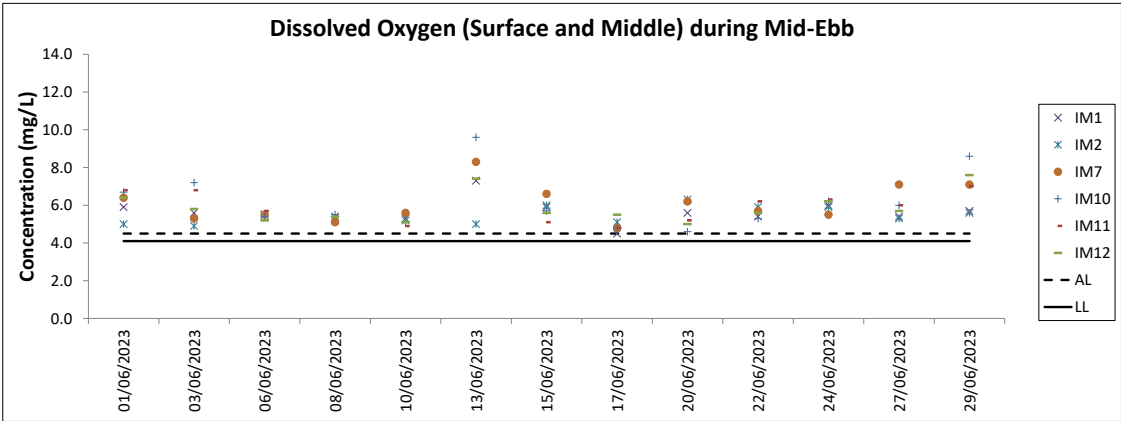
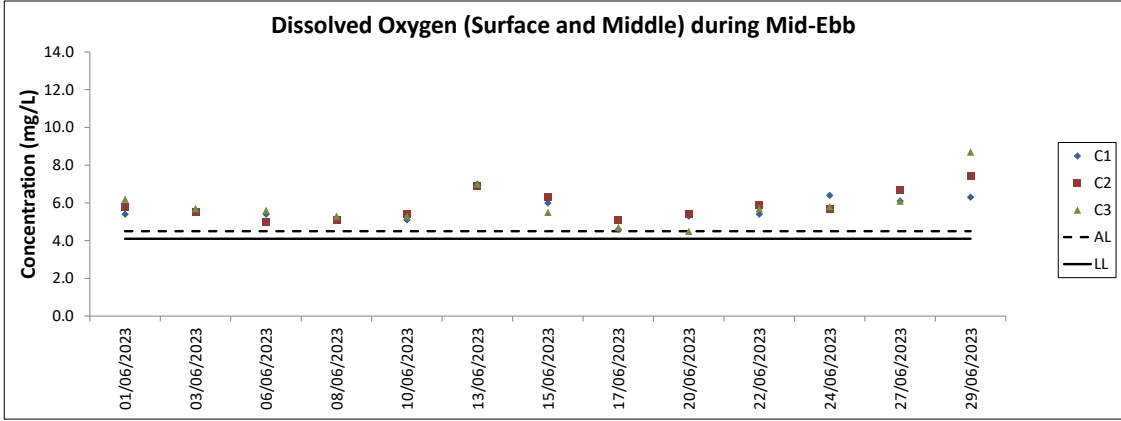
Water Quality Monitoring Results on 29 June 23 during Mid-Flood Tide

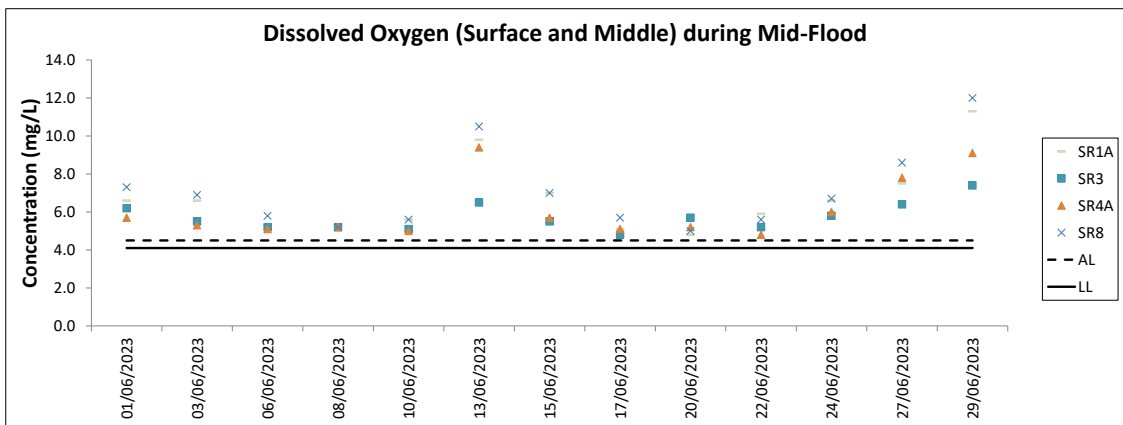
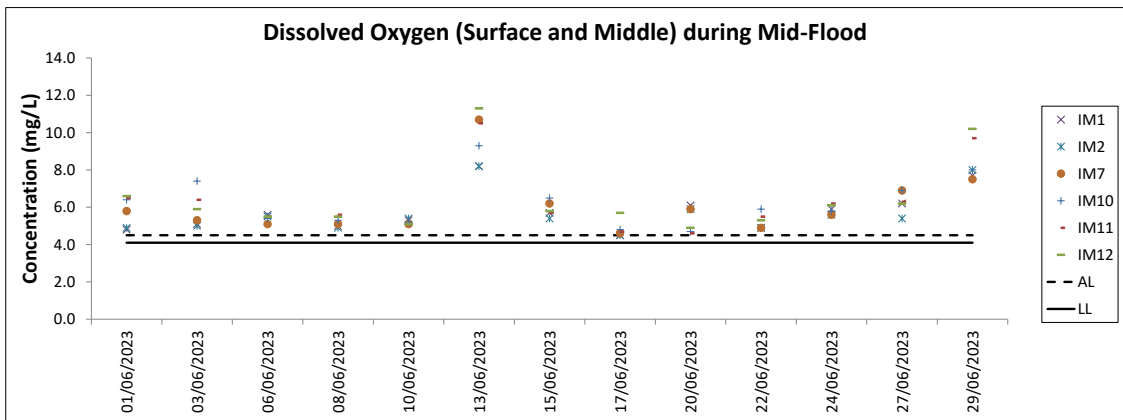
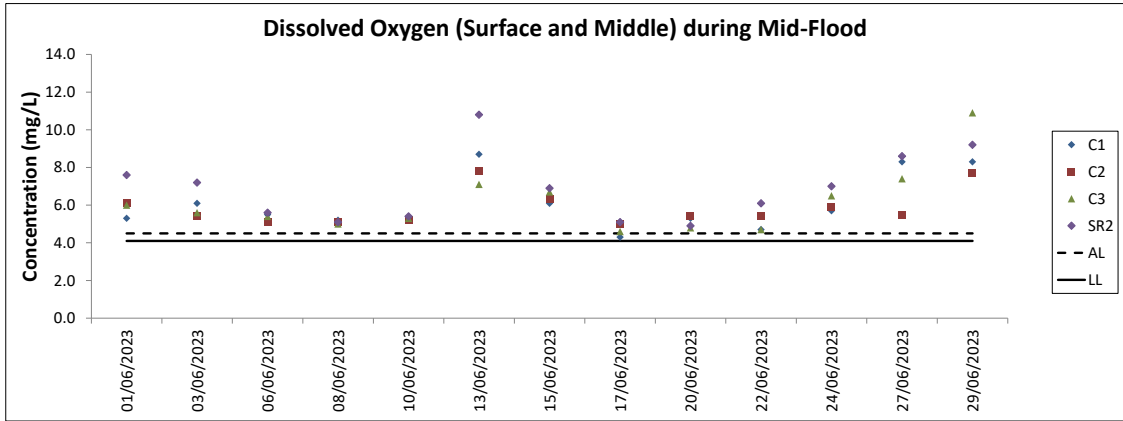
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
C1	Sunny	Moderate	15:58	8.5	Surface	1.0	0.3	31	27.7	27.7	8.4	8.4	9.3	9.3	128.4	128.3	9.5	8.3	4.7	4.3	5	5	815600	804247		
						1.0	0.3	36	27.7		8.4		9.3		128.2		9.5		4.7		5					
					Middle	4.3	0.3	59	27.0	27.0	8.2	8.2	15.0	15.0	95.4	95.4	7.0	3.5	4.1	4.1	4				4.1	5
						4.3	0.3	61	27.0		8.2		14.9		95.4		7.0		4.1		4					
					Bottom	7.5	0.3	29	26.1	26.1	8.1	8.1	20.5	20.5	49.2	49.2	3.5	3.5	4.1	4.1	5				4.1	4
						7.5	0.3	24	26.1		8.1		20.5		49.2		3.5		4.1		4					
C2	Sunny	Moderate	14:45	11.2	Surface	1.0	0.0	324	27.0	27.0	8.2	8.2	11.6	11.8	119.2	119.2	8.9	7.7	5.4	4.9	6	5	825667	806949		
						1.0	0.0	325	27.0		8.2		12.0		119.2		8.8		5.4		6					
					Middle	5.6	0.1	318	25.2	25.2	8.1	8.1	25.0	25.0	92.4	92.4	6.6	3.3	4.5	3.3	4.8				4.8	5
						5.6	0.1	320	25.2		8.1		24.9		92.4		6.6		4.6		4					
					Bottom	10.2	0.1	308	24.6	24.6	8.1	8.1	27.3	27.3	46.8	46.8	3.3	3.3	4.8	4.8	5				4.8	5
						10.2	0.1	304	24.6		8.1		27.3		46.8		3.3		4.8		5					
C3	Sunny	Moderate	16:23	10.0	Surface	1.0	0.3	270	25.9	25.9	8.6	8.6	18.1	18.1	188.6	188.8	13.9	10.9	2.5	3.4	4	5	822085	817823		
						1.0	0.4	270	25.9		8.6		18.0		189.0		13.9		2.5		4					
					Middle	5.0	0.3	242	23.9	23.9	8.2	8.2	24.5	24.5	107.7	107.7	7.9	6.1	3.5	6.1	4.3				4.3	5
						5.0	0.3	247	23.9		8.2		24.4		107.7		7.9		3.5		5					
					Bottom	9.0	0.3	257	22.6	22.6	8.2	8.2	28.8	28.8	82.6	82.6	6.0	6.1	4.3	6.1	6				4.3	6
						9.0	0.3	254	22.6		8.2		28.8		82.6		6.1		4.3		6					
IM1	Sunny	Moderate	15:39	6.6	Surface	1.0	0.3	354	26.9	26.9	8.3	8.3	18.0	18.0	122.1	122.1	8.8	7.7	3.6	4.7	5	5	818344	806478		
						1.0	0.3	354	26.9		8.3		18.0		122.1		8.8		3.6		5					
					Middle	3.3	0.3	14	25.5	25.5	8.1	8.1	24.5	24.5	92.4	92.4	6.6	2.5	4.5	2.5	6.0				2.5	5
						3.3	0.3	7	25.5		8.1		24.5		92.4		6.6		4.4		5					
					Bottom	5.6	0.2	347	24.6	24.6	8.1	8.1	28.3	28.3	35.5	35.5	2.5	2.5	6.0	2.5	6.0				2.5	5
						5.6	0.2	346	24.6		8.1		28.3		35.5		2.5		6.0		5					
IM2	Sunny	Moderate	15:30	7.3	Surface	1.0	0.2	330	26.4	26.4	8.3	8.3	19.8	19.7	136.0	136.0	9.7	8.0	4.3	4.8	4	5	819169	806213		
						1.0	0.2	326	26.4		8.3		19.7		136.0		9.8		4.3		4					
					Middle	3.7	0.2	353	25.1	25.1	8.2	8.2	26.2	26.1	88.5	88.5	6.3	2.8	4.6	2.8	5				2.8	5
						3.7	0.1	352	25.1		8.2		26.1		88.5		6.3		4.6		5					
					Bottom	6.3	0.2	331	24.2	24.2	8.2	8.2	29.9	29.9	39.2	39.2	2.8	3.5	5.4	3.5	6				3.5	6
						6.3	0.2	337	24.2		8.2		29.9		39.2		2.8		5.4		6					
IM7	Sunny	Moderate	15:09	7.9	Surface	1.0	0.2	263	28.0	28.0	8.3	8.3	10.3	10.3	120.4	120.4	8.9	7.5	3.8	5.2	6	6	821370	806815		
						1.0	0.2	264	28.0		8.3		10.3		120.4		8.9		3.8		7					
					Middle	4.0	0.2	273	26.1	26.1	8.1	8.1	21.0	21.0	85.2	85.2	6.1	3.5	4.6	3.5	6				3.5	6
						4.0	0.2	276	26.1		8.1		21.0		85.2		6.1		4.7		6					
					Bottom	6.9	0.2	267	25.6	25.6	8.0	8.0	23.7	23.7	49.2	49.2	3.5	3.5	7.1	3.5	7.1				3.5	5
						6.9	0.2	264	25.6		8.0		23.7		49.2		3.5		7.1		5					

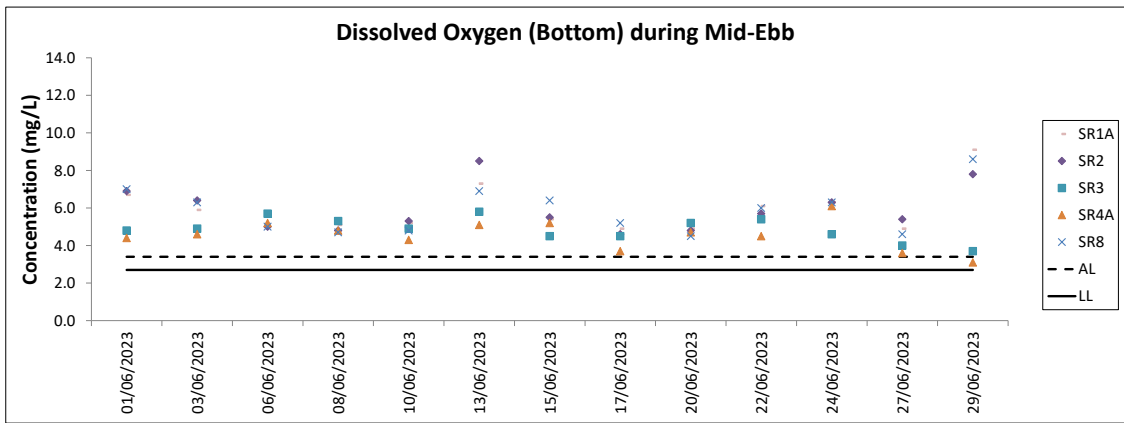
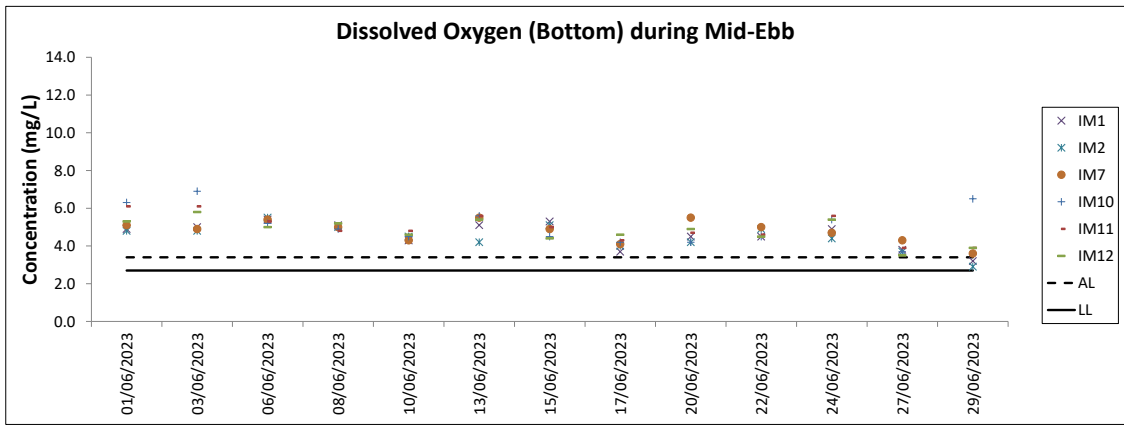
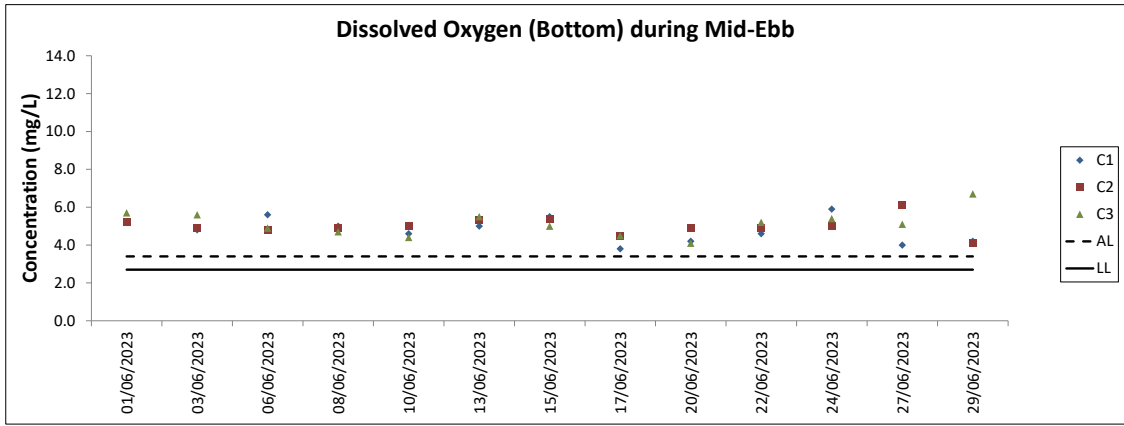
DA: Depth-Averaged

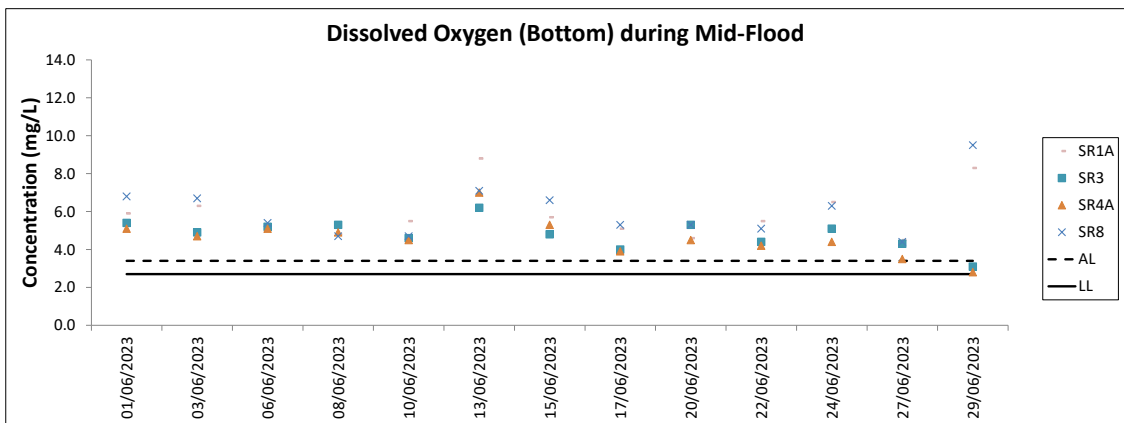
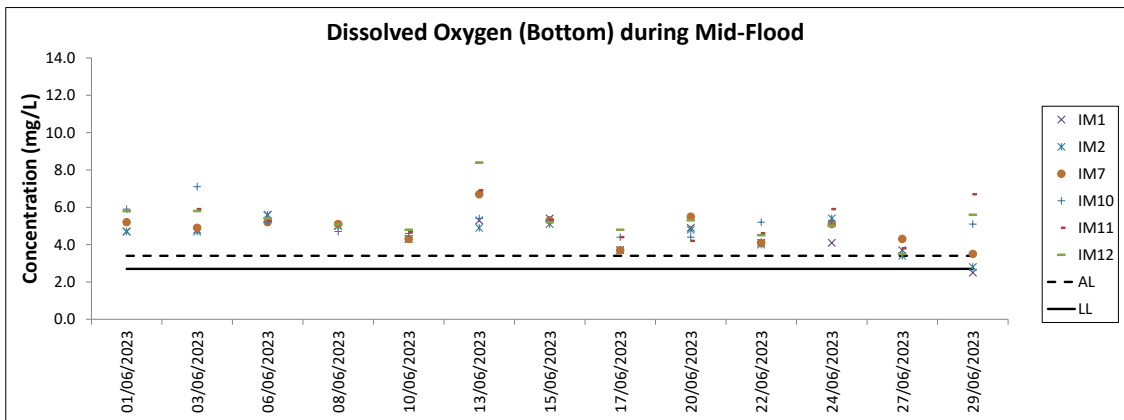
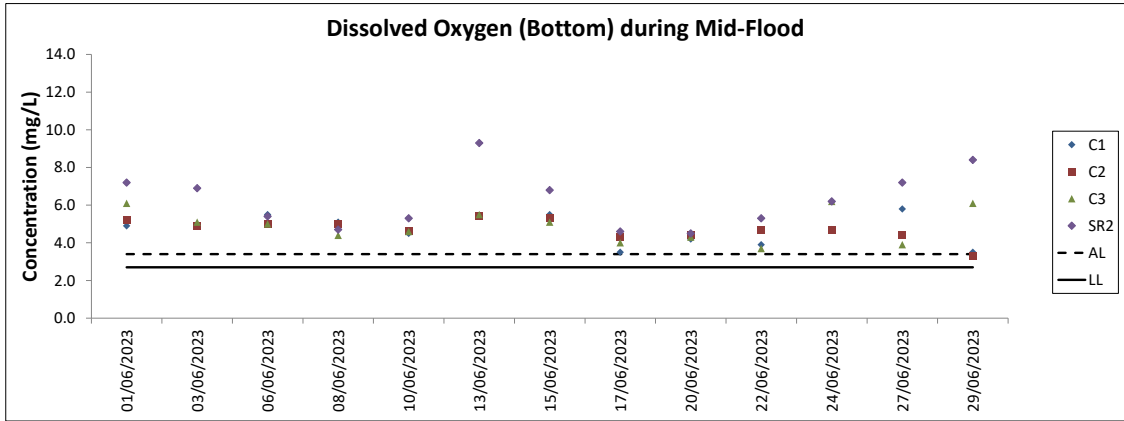
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

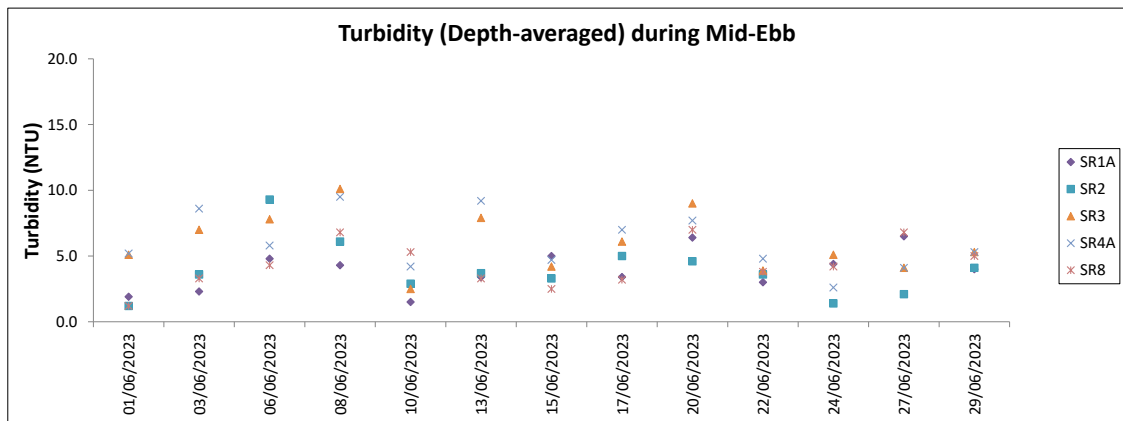
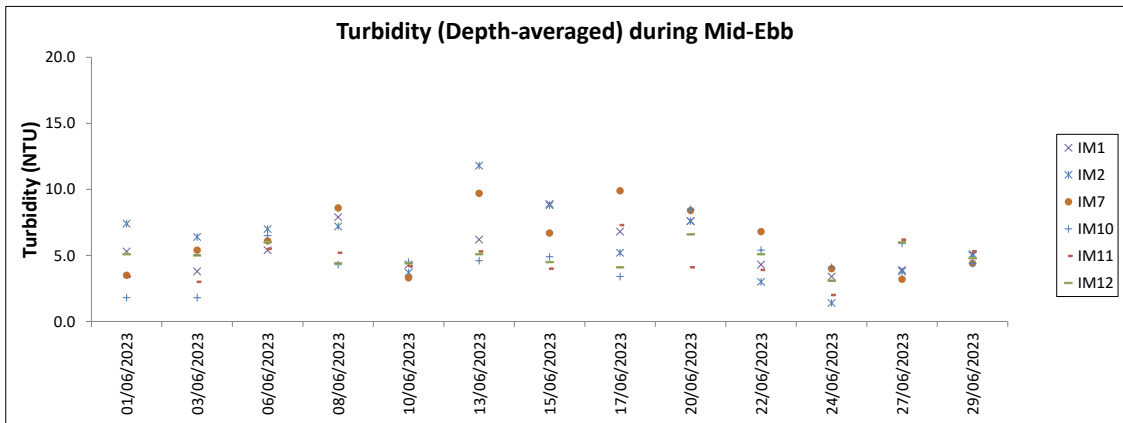
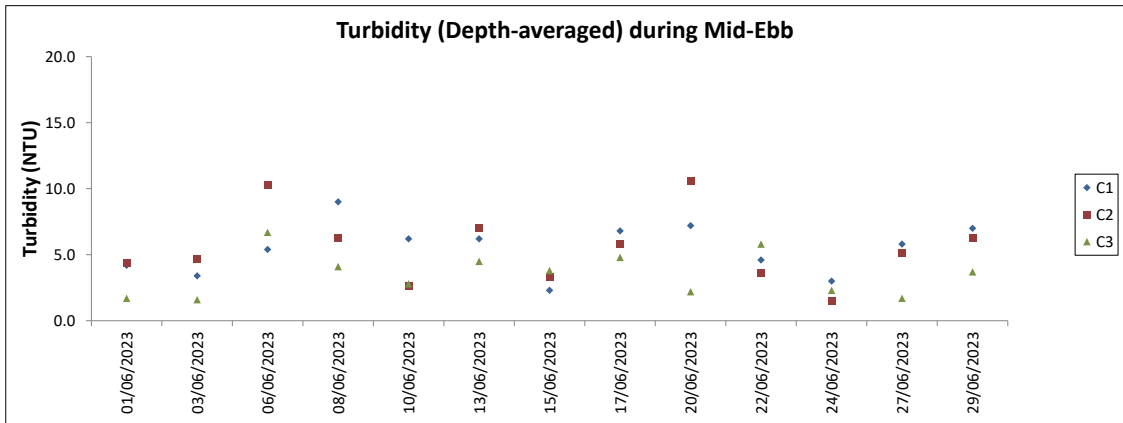
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**



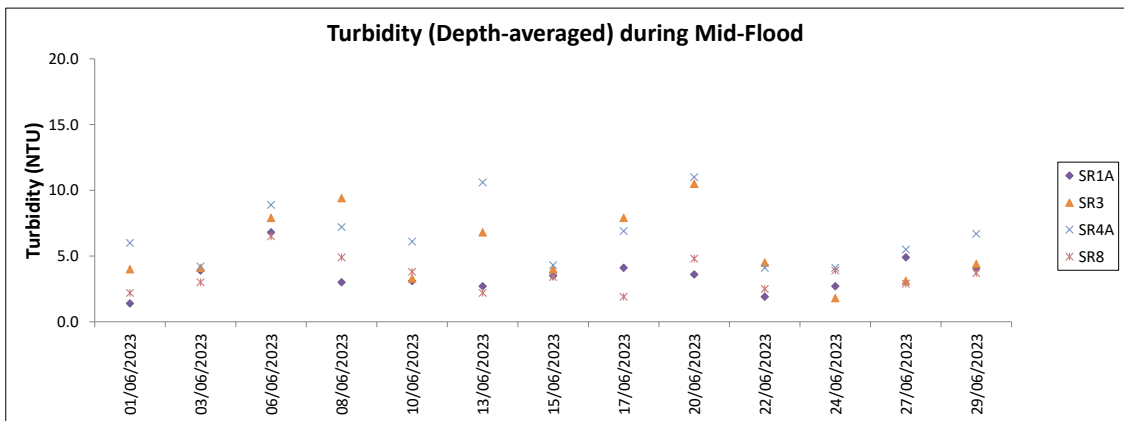
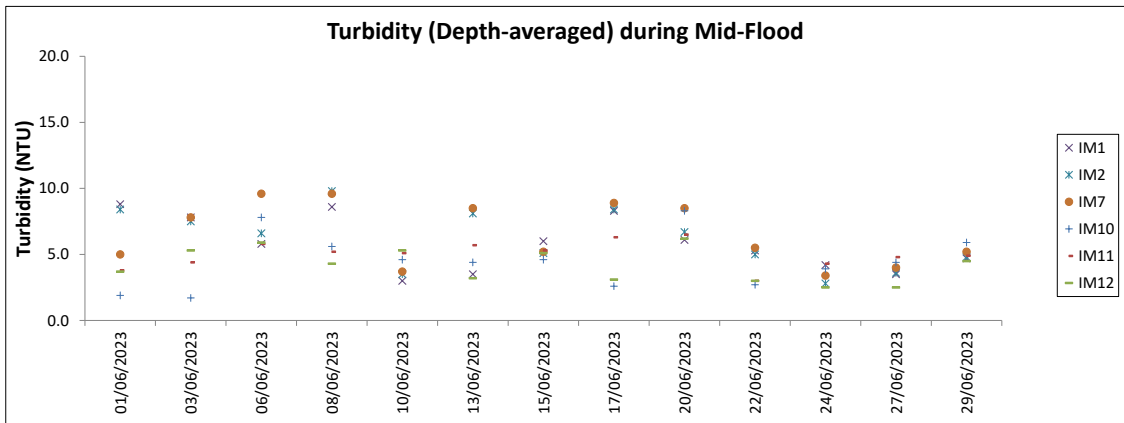
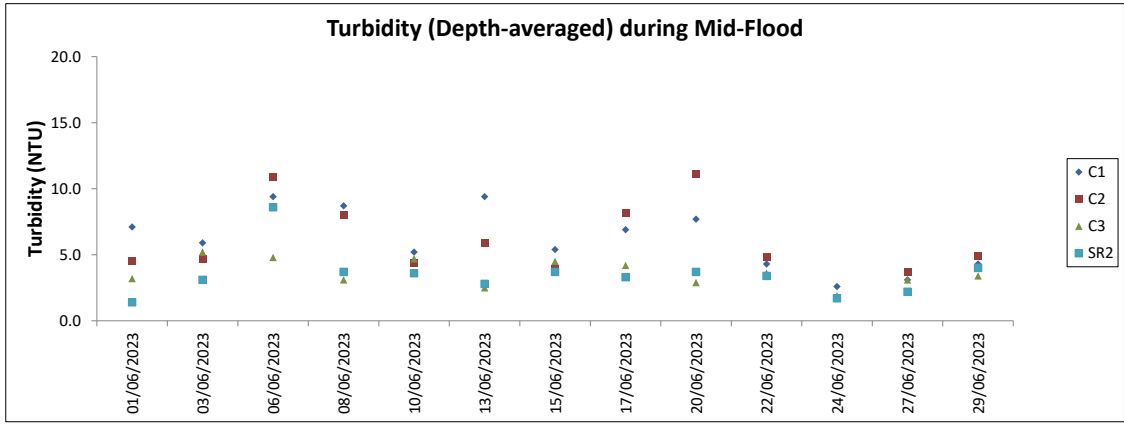




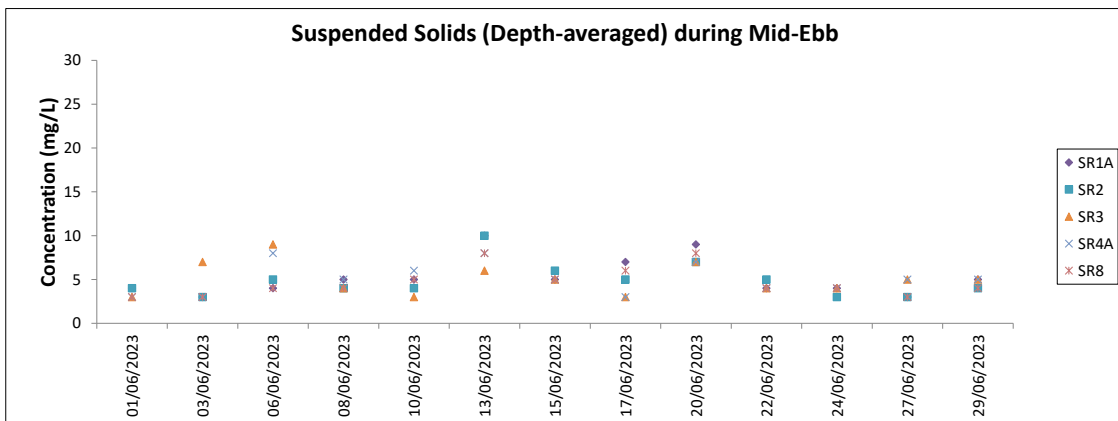
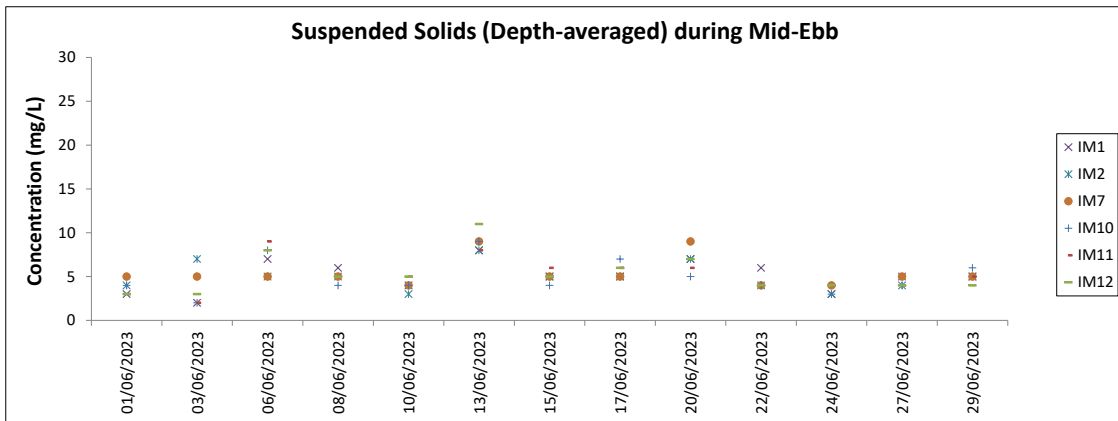
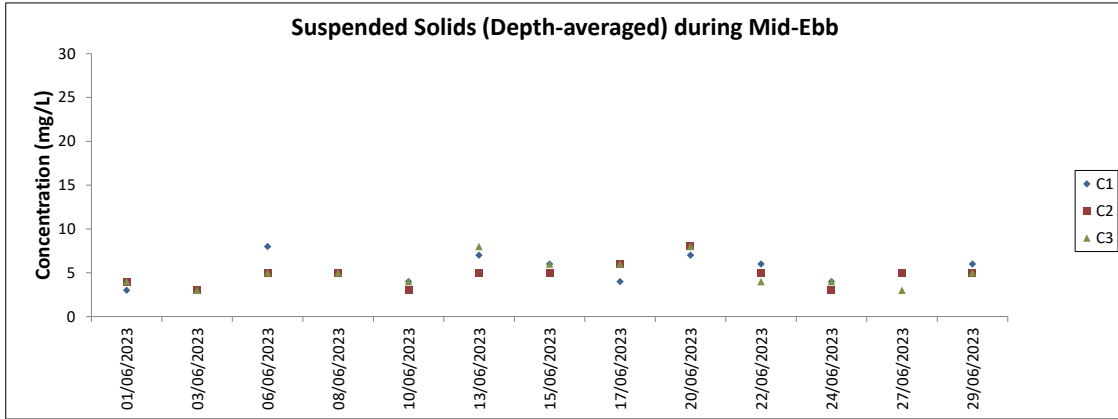




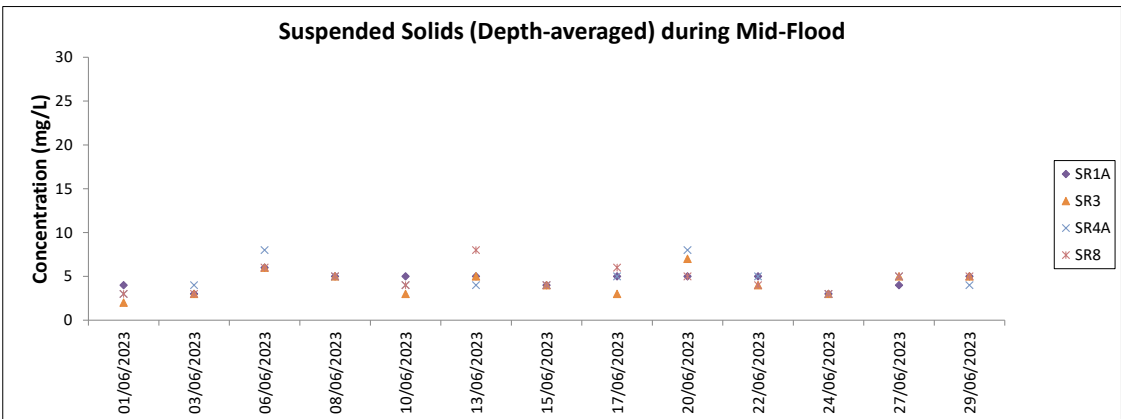
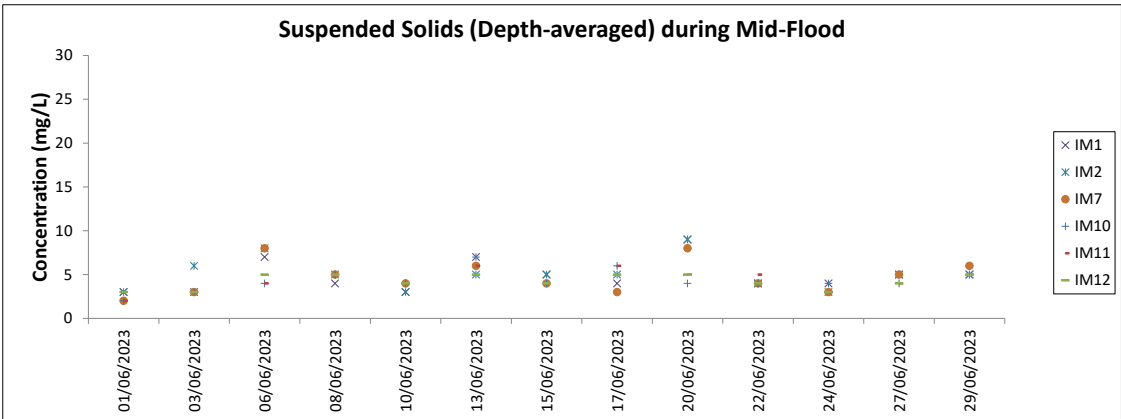
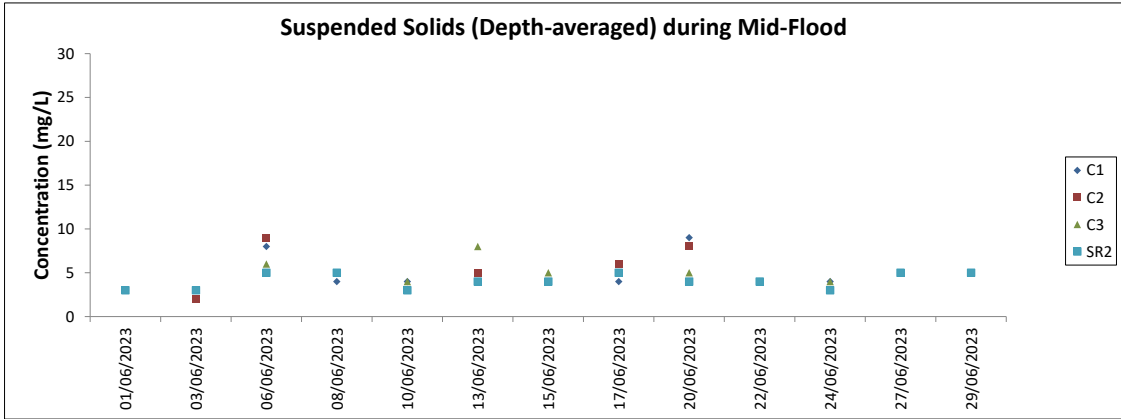
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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
11-Apr-23	NEL	2	26.630	SPRING	32167	3RS ET	P
11-Apr-23	NEL	3	10.200	SPRING	32166	3RS ET	P
11-Apr-23	NEL	2	7.570	SPRING	32166	3RS ET	S
11-Apr-23	NEL	3	2.300	SPRING	32166	3RS ET	S
12-Apr-23	SWL	1	22.368	SPRING	32166	3RS ET	P
12-Apr-23	SWL	2	30.970	SPRING	32166	3RS ET	P
12-Apr-23	SWL	1	10.270	SPRING	32166	3RS ET	S
12-Apr-23	SWL	2	5.460	SPRING	32166	3RS ET	S
13-Apr-23	WL	2	10.107	SPRING	32166	3RS ET	P
13-Apr-23	WL	3	8.141	SPRING	32166	3RS ET	P
13-Apr-23	WL	2	4.103	SPRING	32166	3RS ET	S
13-Apr-23	WL	3	6.578	SPRING	32166	3RS ET	S
13-Apr-23	AW	3	4.900	SPRING	32166	3RS ET	P
14-Apr-23	SWL	2	44.965	SPRING	32166	3RS ET	P
14-Apr-23	SWL	3	9.510	SPRING	32166	3RS ET	P
14-Apr-23	SWL	2	13.425	SPRING	32166	3RS ET	S
14-Apr-23	SWL	3	2.000	SPRING	32166	3RS ET	S
18-Apr-23	AW	3	4.720	SPRING	32166	3RS ET	P
18-Apr-23	WL	3	19.170	SPRING	32166	3RS ET	P
18-Apr-23	WL	3	10.170	SPRING	32166	3RS ET	S
19-Apr-23	NEL	3	25.790	SPRING	32166	3RS ET	P
19-Apr-23	NEL	4	10.700	SPRING	32166	3RS ET	P
19-Apr-23	NEL	3	8.980	SPRING	32166	3RS ET	S
19-Apr-23	NEL	4	0.900	SPRING	32166	3RS ET	S
20-Apr-23	NWL	2	61.800	SPRING	32166	3RS ET	P
20-Apr-23	NWL	2	13.600	SPRING	32166	3RS ET	S
21-Apr-23	NWL	3	41.400	SPRING	32166	3RS ET	P
21-Apr-23	NWL	4	22.400	SPRING	32166	3RS ET	P
21-Apr-23	NWL	3	9.300	SPRING	32166	3RS ET	S
21-Apr-23	NWL	4	1.900	SPRING	32166	3RS ET	S
04-May-23	WL	2	9.370	SPRING	32166	3RS ET	P
04-May-23	WL	3	5.924	SPRING	32166	3RS ET	P
04-May-23	WL	2	4.130	SPRING	32166	3RS ET	S
04-May-23	WL	3	4.963	SPRING	32166	3RS ET	S
04-May-23	AW	2	4.790	SPRING	32166	3RS ET	P
09-May-23	NEL	2	20.000	SPRING	32166	3RS ET	P
09-May-23	NEL	3	17.600	SPRING	32166	3RS ET	P
09-May-23	NEL	2	6.500	SPRING	32166	3RS ET	S
09-May-23	NEL	3	3.100	SPRING	32166	3RS ET	S
10-May-23	NEL	2	2.640	SPRING	32166	3RS ET	P
10-May-23	NEL	3	32.710	SPRING	32166	3RS ET	P
10-May-23	NEL	4	1.700	SPRING	32166	3RS ET	P
10-May-23	NEL	2	1.980	SPRING	32166	3RS ET	S
10-May-23	NEL	3	8.370	SPRING	32166	3RS ET	S
11-May-23	NWL	2	14.500	SPRING	32166	3RS ET	P
11-May-23	NWL	3	48.500	SPRING	32166	3RS ET	P
11-May-23	NWL	2	2.100	SPRING	32166	3RS ET	S
11-May-23	NWL	3	9.800	SPRING	32166	3RS ET	S
15-May-23	SWL	2	53.890	SPRING	32166	3RS ET	P
15-May-23	SWL	2	16.110	SPRING	32166	3RS ET	S
16-May-23	NWL	2	29.700	SPRING	32166	3RS ET	P
16-May-23	NWL	3	34.100	SPRING	32166	3RS ET	P
16-May-23	NWL	2	6.400	SPRING	32166	3RS ET	S
16-May-23	NWL	3	5.000	SPRING	32166	3RS ET	S
18-May-23	SWL	2	48.250	SPRING	32166	3RS ET	P
18-May-23	SWL	3	4.660	SPRING	32166	3RS ET	P
18-May-23	SWL	2	15.050	SPRING	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
18-May-23	SWL	3	1.060	SPRING	32166	3RS ET	S
23-May-23	AW	3	4.630	SPRING	32166	3RS ET	P
23-May-23	WL	2	9.160	SPRING	32166	3RS ET	P
23-May-23	WL	3	10.106	SPRING	32166	3RS ET	P
23-May-23	WL	2	2.470	SPRING	32166	3RS ET	S
23-May-23	WL	3	7.890	SPRING	32166	3RS ET	S
1-Jun-23	SWL	1	6.440	SUMMER	32166	3RS ET	P
1-Jun-23	SWL	2	34.380	SUMMER	32166	3RS ET	P
1-Jun-23	SWL	3	12.900	SUMMER	32166	3RS ET	P
1-Jun-23	SWL	2	15.380	SUMMER	32166	3RS ET	S
1-Jun-23	SWL	3	1.000	SUMMER	32166	3RS ET	S
2-Jun-23	WL	2	16.884	SUMMER	32166	3RS ET	P
2-Jun-23	WL	2	8.320	SUMMER	32166	3RS ET	S
2-Jun-23	AW	1	4.790	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	2	3.480	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	3	49.220	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	4	10.900	SUMMER	32166	3RS ET	P
5-Jun-23	NWL	3	9.600	SUMMER	32166	3RS ET	S
5-Jun-23	NWL	4	2.500	SUMMER	32166	3RS ET	S
8-Jun-23	SWL	2	0.700	SUMMER	32166	3RS ET	P
8-Jun-23	SWL	3	51.824	SUMMER	32166	3RS ET	P
8-Jun-23	SWL	4	1.013	SUMMER	32166	3RS ET	P
8-Jun-23	SWL	2	1.800	SUMMER	32166	3RS ET	S
8-Jun-23	SWL	3	13.880	SUMMER	32166	3RS ET	S
9-Jun-23	AW	2	4.650	SUMMER	32166	3RS ET	P
9-Jun-23	WL	1	1.930	SUMMER	32166	3RS ET	P
9-Jun-23	WL	2	14.782	SUMMER	32166	3RS ET	P
9-Jun-23	WL	1	2.240	SUMMER	32166	3RS ET	S
9-Jun-23	WL	2	5.948	SUMMER	32166	3RS ET	S
9-Jun-23	WL	3	0.300	SUMMER	32166	3RS ET	S
13-Jun-23	NWL	2	59.180	SUMMER	32166	3RS ET	P
13-Jun-23	NWL	3	3.100	SUMMER	32166	3RS ET	P
13-Jun-23	NWL	2	12.420	SUMMER	32166	3RS ET	S
14-Jun-23	NEL	2	37.440	SUMMER	32166	3RS ET	P
14-Jun-23	NEL	2	10.060	SUMMER	32166	3RS ET	S
20-Jun-23	NEL	2	33.080	SUMMER	32166	3RS ET	P
20-Jun-23	NEL	3	4.120	SUMMER	32166	3RS ET	P
20-Jun-23	NEL	2	10.200	SUMMER	32166	3RS ET	S

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
12-Apr-23	1	1042	FP	5	SWL	2	366	ON	3RS ET	22.1836	113.9358	SPRING	NONE	P
12-Apr-23	2	1047	FP	1	SWL	2	20	ON	3RS ET	22.1789	113.9355	SPRING	NONE	P
12-Apr-23	3	1050	FP	2	SWL	1	205	ON	3RS ET	22.1732	113.9358	SPRING	NONE	P
12-Apr-23	4	1055	FP	4	SWL	1	95	ON	3RS ET	22.1660	113.9362	SPRING	NONE	P
12-Apr-23	5	1100	FP	4	SWL	1	47	ON	3RS ET	22.1591	113.9364	SPRING	NONE	P
12-Apr-23	6	1103	FP	1	SWL	1	78	ON	3RS ET	22.1554	113.9362	SPRING	NONE	P
12-Apr-23	7	1109	FP	2	SWL	1	149	ON	3RS ET	22.1469	113.9315	SPRING	NONE	S
12-Apr-23	8	1119	FP	1	SWL	1	22	ON	3RS ET	22.1586	113.9276	SPRING	NONE	P
12-Apr-23	9	1124	FP	4	SWL	1	54	ON	3RS ET	22.1661	113.9276	SPRING	NONE	P
12-Apr-23	10	1218	FP	1	SWL	1	157	ON	3RS ET	22.1444	113.9080	SPRING	NONE	P
12-Apr-23	11	1226	FP	4	SWL	1	205	ON	3RS ET	22.1563	113.9008	SPRING	NONE	S
12-Apr-23	12	1311	FP	3	SWL	1	53	ON	3RS ET	22.1824	113.8971	SPRING	NONE	P
13-Apr-23	1	1057	CWD	10	WL	3	623	ON	3RS ET	22.2416	113.8409	SPRING	PURSE SEINER	P
13-Apr-23	2	1127	CWD	9	WL	2	11	ON	3RS ET	22.2324	113.8294	SPRING	PURSE SEINER	P
13-Apr-23	3	1146	CWD	2	WL	2	268	ON	3RS ET	22.2237	113.8286	SPRING	NONE	P
13-Apr-23	4	1156	CWD	3	WL	3	11	ON	3RS ET	22.2188	113.8195	SPRING	NONE	S
13-Apr-23	5	1213	CWD	8	WL	3	355	ON	3RS ET	22.2148	113.8322	SPRING	NONE	P
14-Apr-23	1	1400	FP	1	SWL	2	9	ON	3RS ET	22.1593	113.8730	SPRING	NONE	S
18-Apr-23	1	1049	CWD	7	WL	3	26	ON	3RS ET	22.2459	113.8496	SPRING	NONE	S
18-Apr-23	2	1148	CWD	3	WL	3	296	ON	3RS ET	22.2141	113.8340	SPRING	NONE	P
18-Apr-23	3	1226	CWD	4	WL	3	282	ON	3RS ET	22.1962	113.8412	SPRING	NONE	P
04-May-23	1	1054	CWD	1	WL	2	409	ON	3RS ET	22.2451	113.8491	SPRING	NONE	S
04-May-23	2	1117	CWD	7	WL	3	130	ON	3RS ET	22.2324	113.8242	SPRING	NONE	S
04-May-23	3	1138	CWD	2	WL	3	179	ON	3RS ET	22.2321	113.8278	SPRING	NONE	P
04-May-23	4	1158	CWD	3	WL	3	335	ON	3RS ET	22.2241	113.8307	SPRING	NONE	P
04-May-23	5	1219	CWD	3	WL	3	163	ON	3RS ET	22.2143	113.8218	SPRING	NONE	P
04-May-23	6	1251	CWD	4	WL	3	212	ON	3RS ET	22.1968	113.8287	SPRING	NONE	S
04-May-23	7	1302	CWD	5	WL	3	379	ON	3RS ET	22.1962	113.8402	SPRING	NONE	P
15-May-23	1	1115	FP	2	SWL	2	44	ON	3RS ET	22.1744	113.9284	SPRING	NONE	P
18-May-23	1	1402	CWD	2	SWL	2	299	ON	3RS ET	22.1987	113.8785	SPRING	PURSE SEINER	P
18-May-23	2	1512	CWD	1	SWL	2	366	ON	3RS ET	22.1993	113.8596	SPRING	NONE	S
23-May-23	1	1116	CWD	4	WL	3	162	ON	3RS ET	22.2227	113.8306	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
23-May-23	2	1145	CWD	1	WL	3	59	ON	3RS ET	22.2144	113.8338	SPRING	NONE	P
23-May-23	3	1216	CWD	3	WL	3	31	ON	3RS ET	22.1960	113.8410	SPRING	NONE	P
23-May-23	4	1231	CWD	5	WL	3	200	ON	3RS ET	22.1935	113.8425	SPRING	NONE	S
1-Jun-23	1	1318	FP	4	SWL	2	385	ON	3RS ET	22.1541	113.8882	SUMMER	NONE	P
1-Jun-23	2	1505	CWD	3	SWL	2	79	ON	3RS ET	22.1936	113.8492	SUMMER	NONE	P
2-Jun-23	1	1054	CWD	3	WL	2	591	ON	3RS ET	22.2417	113.8469	SUMMER	NONE	P
2-Jun-23	2	1112	CWD	1	WL	2	698	ON	3RS ET	22.2410	113.8323	SUMMER	NONE	P
2-Jun-23	3	1130	CWD	9	WL	2	30	ON	3RS ET	22.2327	113.8374	SUMMER	NONE	P
2-Jun-23	4	1153	CWD	1	WL	2	336	ON	3RS ET	22.2247	113.8372	SUMMER	NONE	S
2-Jun-23	5	1206	CWD	4	WL	2	100	ON	3RS ET	22.2237	113.8276	SUMMER	NONE	P
2-Jun-23	6	1217	CWD	4	WL	2	161	ON	3RS ET	22.2184	113.8204	SUMMER	NONE	S
2-Jun-23	7	1250	CWD	1	WL	2	1085	ON	3RS ET	22.2053	113.8213	SUMMER	NONE	P
2-Jun-23	8	1259	CWD	5	WL	2	153	ON	3RS ET	22.1964	113.8373	SUMMER	NONE	P
2-Jun-23	9	1332	CWD	2	SWL	2	N/A	OFF	3RS ET	22.1932	113.8510	SUMMER	PURSE SEINER	N/A
8-Jun-23	1	1446	CWD	1	SWL	3	223	ON	3RS ET	22.1958	113.8591	SUMMER	NONE	P
8-Jun-23	2	1457	CWD	4	SWL	3	321	ON	3RS ET	22.1892	113.8596	SUMMER	NONE	P
9-Jun-23	1	1058	CWD	2	WL	1	191	ON	3RS ET	22.2579	113.8376	SUMMER	NONE	S
9-Jun-23	2	1137	CWD	3	WL	2	105	ON	3RS ET	22.2325	113.8282	SUMMER	PURSE SEINER	P
9-Jun-23	3	1154	CWD	1	WL	2	580	ON	3RS ET	22.2291	113.8379	SUMMER	NONE	S
9-Jun-23	4	1203	CWD	3	WL	2	1060	ON	3RS ET	22.2243	113.8275	SUMMER	NONE	P
9-Jun-23	5	1253	CWD	6	WL	2	280	ON	3RS ET	22.2062	113.8240	SUMMER	NONE	P
9-Jun-23	6	1315	CWD	4	WL	2	100	ON	3RS ET	22.1981	113.8271	SUMMER	NONE	S
9-Jun-23	7	1328	CWD	1	WL	2	22	ON	3RS ET	22.1879	113.8407	SUMMER	NONE	P
13-Jun-23	1	1128	CWD	1	NWL	2	137	ON	3RS ET	22.3690	113.8779	SUMMER	NONE	P

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 430.048 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 19 on-effort sightings and total number of 57 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in June 2023 are shown as below:

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

$$STG = \frac{19}{430.048} \times 100 = 4.42$$

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

$$ANI = \frac{57}{430.048} \times 100 = 13.25$$

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

A total of 1289.928 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 40 on-effort sightings and total number of 144 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)









$$STG = \frac{40}{1289.928} \times 100 = 3.10$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)









$$ANI = \frac{144}{1289.928} \times 100 = 11.16$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM003_20230601_2_3	SLMM010_20230601_2_6
	
WLMM007_20230601_2_4	WLMM062_20230602_1_5
	
WLMM086_20230602_1_10	NLMM040_20230602_3_3
	
SLMM052_20230602_3_1	WLMM077_20230602_3_8

	
WLMM079_20230602_3_1	WLMM188_20230602_3_2
	
SLMM052_20230602_5_2	WLMM079_20230602_5_4
	
WLMM103_20230602_5_5	WLMM147_20230602_5_7
	
WLMM071_20230602_6_3	NLMM063_20230602_8_1

	
SLMM007_20230602_8_4	SLMM073_20230602_8_2
	
WLMM030_20230602_8_2	WLMM043_20230602_8_3
	
SLMM037_20230602_9_3	WLMM071_20230609_1_1
	
WLMM168_20230609_1_2	NLMM001_20230609_2_6



SLMM029_20230609_3_3



NLMM020_20230609_5_3



SLMM010_20230609_5_3



SLMM070_20230609_5_1



WLMM114_20230609_5_4



WLMM118_20230609_5_5



WLMM159_20230609_5_9



NLMM013_20230613_1_2

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
19/Jun/23	Lung Kwu Chau	8:54	14:54	6:00	2	1	1	1
26/Jun/23	Sha Chau	10:40	16:40	6:00	2	1	0	0

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