

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

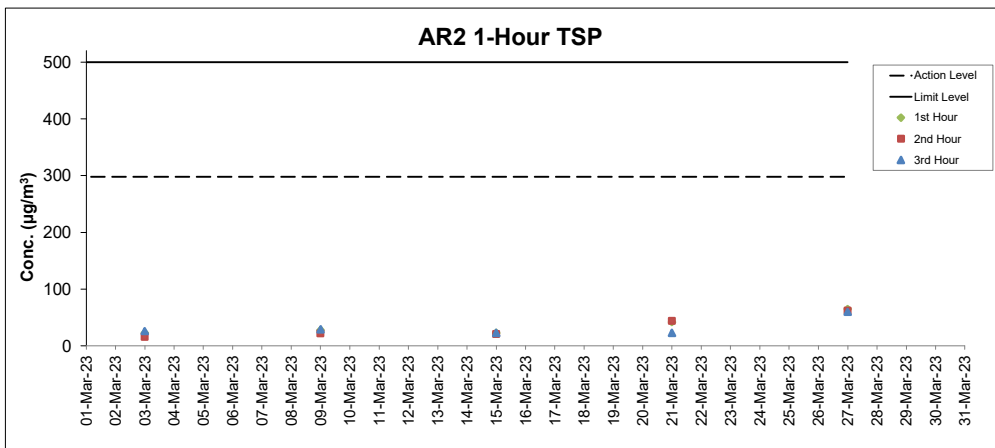
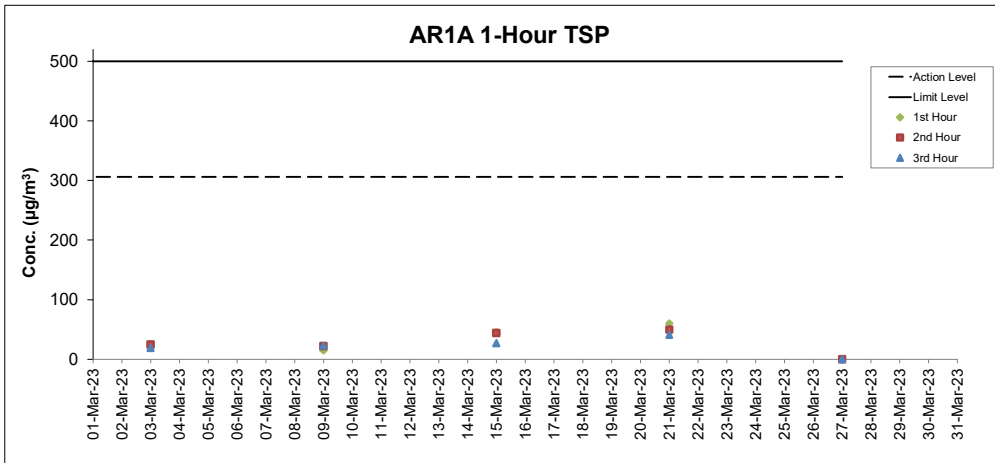
Station: AR1A- Man Tung Road Park

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-Mar-23	8:14	Sunny	6.9	87	19	306	500
3-Mar-23	9:14	Sunny	8.3	95	13	306	500
3-Mar-23	10:14	Sunny	8.1	82	18	306	500
9-Mar-23	8:12	Sunny	0.8	Variable	20	306	500
9-Mar-23	9:12	Sunny	1.4	Variable	25	306	500
9-Mar-23	10:12	Sunny	2.5	250	19	306	500
15-Mar-23	8:17	Sunny	5.3	72	15	306	500
15-Mar-23	9:17	Sunny	5.0	61	22	306	500
15-Mar-23	10:17	Sunny	5.3	48	23	306	500
21-Mar-23	9:44	Cloudy	4.7	189	45	306	500
21-Mar-23	10:44	Cloudy	4.4	196	44	306	500
21-Mar-23	11:44	Cloudy	5.0	185	27	306	500
27-Mar-23	10:07	Cloudy	8.3	76	60	306	500
27-Mar-23	11:07	Cloudy	5.3	80	50	306	500
27-Mar-23	12:07	Cloudy	4.7	67	41	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-Mar-23	12:49	Sunny	3.3	89	23	298	500
3-Mar-23	13:49	Sunny	5.8	251	16	298	500
3-Mar-23	14:49	Sunny	4.4	259	26	298	500
9-Mar-23	12:39	Sunny	3.6	254	28	298	500
9-Mar-23	13:39	Sunny	3.3	257	22	298	500
9-Mar-23	14:39	Sunny	3.1	259	29	298	500
15-Mar-23	12:34	Sunny	4.2	266	23	298	500
15-Mar-23	13:34	Sunny	4.2	253	21	298	500
15-Mar-23	14:34	Sunny	5.0	268	23	298	500
21-Mar-23	13:51	Cloudy	4.2	190	42	298	500
21-Mar-23	14:51	Cloudy	5.6	158	44	298	500
21-Mar-23	15:51	Cloudy	4.4	159	23	298	500
27-Mar-23	13:54	Cloudy	2.5	38	65	298	500
27-Mar-23	14:54	Cloudy	3.3	44	62	298	500
27-Mar-23	15:54	Cloudy	2.8	53	60	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 _{A10} dB(A)	Measured L _{A90} dB(A)	L _{eq(30mins)} dB(A) ^
3-Mar-23	Sunny	8:14	63.0	58.8	64
3-Mar-23	Sunny	8:19	63.5	59.6	
3-Mar-23	Sunny	8:24	62.9	58.9	
3-Mar-23	Sunny	8:29	62.4	58.3	
3-Mar-23	Sunny	8:34	62.8	59.0	
3-Mar-23	Sunny	8:39	62.7	59.1	65
9-Mar-23	Sunny	8:11	62.7	58.3	
9-Mar-23	Sunny	8:16	62.5	58.8	
9-Mar-23	Sunny	8:21	62.9	58.2	
9-Mar-23	Sunny	8:26	62.6	59.0	
9-Mar-23	Sunny	8:31	64.2	58.5	65
9-Mar-23	Sunny	8:36	62.8	58.5	
15-Mar-23	Sunny	8:14	65.1	59.4	
15-Mar-23	Sunny	8:19	63.0	59.2	
15-Mar-23	Sunny	8:24	63.1	59.1	
15-Mar-23	Sunny	8:29	62.7	58.6	57
15-Mar-23	Sunny	8:34	63.2	59.2	
15-Mar-23	Sunny	8:39	63.4	59.7	
21-Mar-23	Cloudy	11:05	56.6	51.0	
21-Mar-23	Cloudy	11:10	56.1	51.4	
21-Mar-23	Cloudy	11:15	55.9	51.8	60
21-Mar-23	Cloudy	11:20	56.3	51.3	
21-Mar-23	Cloudy	11:25	55.3	51.4	
21-Mar-23	Cloudy	11:30	55.7	51.9	
27-Mar-23	Cloudy	11:41	62.8	52.5	
27-Mar-23	Cloudy	11:46	56.7	51.7	60
27-Mar-23	Cloudy	11:51	59.0	52.3	
27-Mar-23	Cloudy	11:56	60.8	52.2	
27-Mar-23	Cloudy	12:01	59.8	51.8	
27-Mar-23	Cloudy	12:06	60.8	52.0	

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 _{A10} dB(A)	Measured L _{A90} dB(A)	L _{eq(30mins)} dB(A) ^
2-Mar-23	Sunny	13:34	62.9	57.8	63
2-Mar-23	Sunny	13:39	63.0	57.3	
2-Mar-23	Sunny	13:44	60.3	56.5	
2-Mar-23	Sunny	13:49	60.1	56.7	
2-Mar-23	Sunny	13:54	61.4	57.4	
2-Mar-23	Sunny	13:59	59.8	56.7	
10-Mar-23	Sunny	11:06	62.1	58.1	64
10-Mar-23	Sunny	11:11	61.9	58.2	
10-Mar-23	Sunny	11:16	62.1	58.3	
10-Mar-23	Sunny	11:21	64.4	57.9	
10-Mar-23	Sunny	11:26	62.7	58.1	
10-Mar-23	Sunny	11:31	61.6	57.4	
17-Mar-23	Sunny	11:02	64.1	59.9	66
17-Mar-23	Sunny	11:07	65.3	60.5	
17-Mar-23	Sunny	11:12	65.1	60.6	
17-Mar-23	Sunny	11:17	65.2	60.6	
17-Mar-23	Sunny	11:22	63.5	59.5	
17-Mar-23	Sunny	11:27	63.1	59.7	
24-Mar-23	Cloudy	11:14	62.3	57.3	63
24-Mar-23	Cloudy	11:19	61.6	57.8	
24-Mar-23	Cloudy	11:24	62.7	58.1	
24-Mar-23	Cloudy	11:29	61.7	57.6	
24-Mar-23	Cloudy	11:34	60.4	57.2	
24-Mar-23	Cloudy	11:39	61.6	57.2	
31-Mar-23	Cloudy	11:10	66.8	59.9	64*
31-Mar-23	Cloudy	11:15	63.2	59.4	
31-Mar-23	Cloudy	11:20	64.0	59.6	
31-Mar-23	Cloudy	11:25	62.2	59.4	
31-Mar-23	Cloudy	11:30	62.2	59.5	
31-Mar-23	Cloudy	11:35	64.5	54.2	

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 ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
3-Mar-23	Sunny	14:44	62.6	58.5	64*
3-Mar-23	Sunny	14:49	63.2	59.4	
3-Mar-23	Sunny	14:54	63.0	59.6	
3-Mar-23	Sunny	14:59	64.8	60.1	
3-Mar-23	Sunny	15:04	62.8	58.7	
3-Mar-23	Sunny	15:09	63.2	58.7	
9-Mar-23	Sunny	11:33	52.5	45.9	62*
9-Mar-23	Sunny	11:38	67.9	46.2	
9-Mar-23	Sunny	11:43	68.8	47.6	
9-Mar-23	Sunny	11:48	69.7	49.5	
9-Mar-23	Sunny	11:53	50.9	44.9	
9-Mar-23	Sunny	11:58	50.8	45.1	
15-Mar-23	Sunny	12:21	56.3	51.3	53*
15-Mar-23	Sunny	12:26	57.1	51.8	
15-Mar-23	Sunny	12:31	57.2	50.2	
15-Mar-23	Sunny	12:36	55.2	51.8	
15-Mar-23	Sunny	12:41	57.5	52.8	
15-Mar-23	Sunny	12:46	56.8	52.9	
21-Mar-23	Cloudy	13:51	48.4	44.1	53*
21-Mar-23	Cloudy	13:56	49.7	43.0	
21-Mar-23	Cloudy	14:01	66.0	45.9	
21-Mar-23	Cloudy	14:06	52.6	46.3	
21-Mar-23	Cloudy	14:11	64.8	46.2	
21-Mar-23	Cloudy	14:16	63.1	46.0	
27-Mar-23	Cloudy	14:01	60.0	49.9	58
27-Mar-23	Cloudy	14:06	55.6	52.0	
27-Mar-23	Cloudy	14:11	57.8	49.4	
27-Mar-23	Cloudy	14:16	59.5	50.0	
27-Mar-23	Cloudy	14:21	55.0	47.2	
27-Mar-23	Cloudy	14:26	54.6	47.9	

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

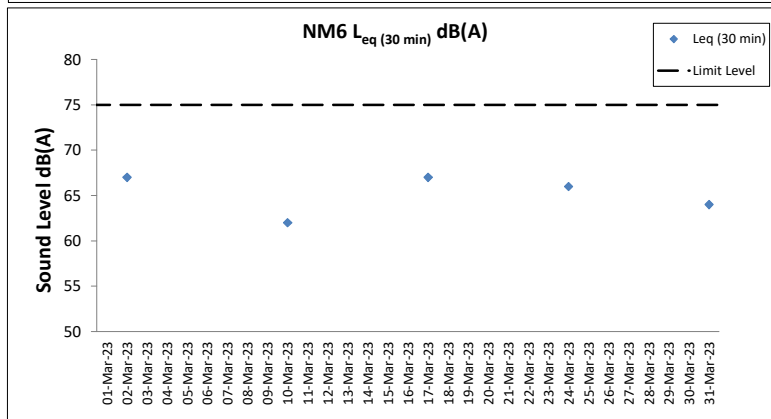
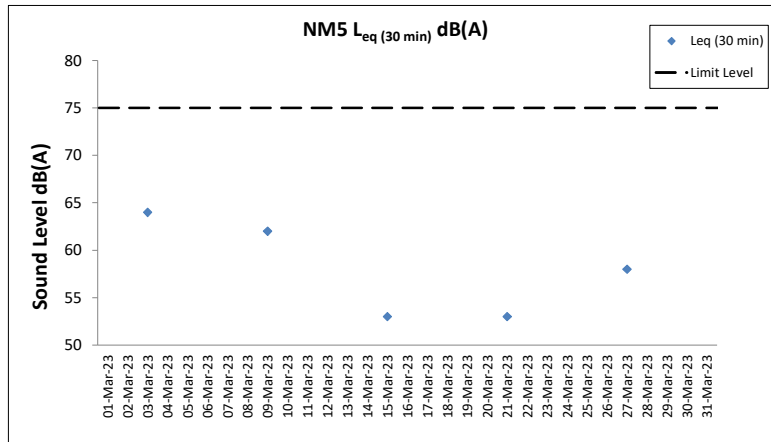
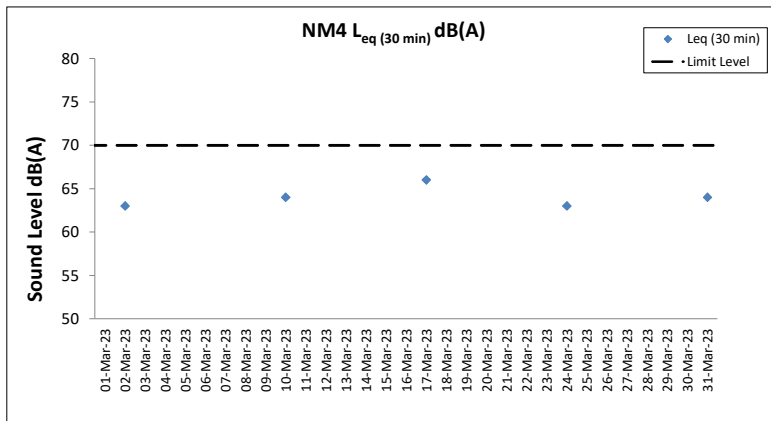
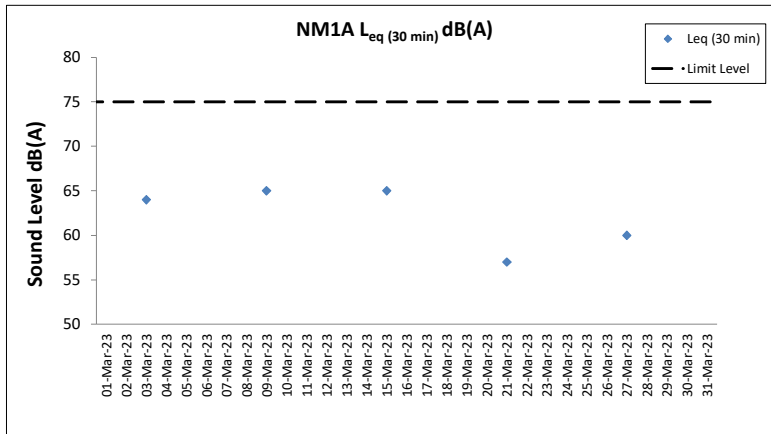
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
2-Mar-23	Sunny	15:40	65.8	48.1	67
2-Mar-23	Sunny	15:45	57.1	46.1	
2-Mar-23	Sunny	15:50	64.6	45.8	
2-Mar-23	Sunny	15:55	69.4	49.7	
2-Mar-23	Sunny	16:00	58.8	46.8	
2-Mar-23	Sunny	16:05	68.2	45.9	
10-Mar-23	Sunny	9:48	72.0	52.3	62*
10-Mar-23	Sunny	9:53	68.6	55.6	
10-Mar-23	Sunny	9:58	69.9	52.1	
10-Mar-23	Sunny	10:03	65.4	54.3	
10-Mar-23	Sunny	10:08	67.9	51.9	
10-Mar-23	Sunny	10:13	57.5	49.5	
17-Mar-23	Sunny	9:46	68.1	57.8	67
17-Mar-23	Sunny	9:51	69.4	58.6	
17-Mar-23	Sunny	9:56	69.0	56.3	
17-Mar-23	Sunny	10:01	64.6	55.9	
17-Mar-23	Sunny	10:06	65.6	53.9	
17-Mar-23	Sunny	10:11	66.4	53.6	
24-Mar-23	Cloudy	9:46	66.6	51.1	66
24-Mar-23	Cloudy	9:51	66.9	46.0	
24-Mar-23	Cloudy	9:56	61.9	47.1	
24-Mar-23	Cloudy	10:01	69.4	49.3	
24-Mar-23	Cloudy	10:06	68.5	52.1	
24-Mar-23	Cloudy	10:11	70.0	59.1	
31-Mar-23	Cloudy	13:31	62.6	57.8	64
31-Mar-23	Cloudy	13:36	63.0	59.5	
31-Mar-23	Cloudy	13:41	63.5	58.9	
31-Mar-23	Cloudy	13:46	63.4	59.7	
31-Mar-23	Cloudy	13:51	62.6	58.4	
31-Mar-23	Cloudy	13:56	62.9	58.7	

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 02 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	22:11	8.5	Surface	1.0	0.5	203	18.4	18.4	7.9	7.9	31.6	31.6	99.2	99.1	7.7	7.7	3.9	6.2	3	4	815621	804228
						1.0	0.4	207	18.3		7.9	7.9	31.7	31.6	99.0	99.1	7.7		4.0		3			
					Middle	4.3	0.4	223	18.3	18.3	7.9	7.9	32.1	32.1	98.2	98.3	7.6	7.6	7.2	3				
						4.3	0.5	223	18.3		7.9	7.9	32.1	32.1	98.3	98.3	7.6		6.7	4				
					Bottom	7.5	0.4	212	18.3	18.3	7.9	7.9	32.2	32.2	98.3	98.5	7.6	7.7	8.0	5				
						7.5	0.4	215	18.3		7.9	7.9	32.2	32.2	98.6	98.6	7.7		7.4	4				
C2	Cloudy	Moderate	20:56	11.6	Surface	1.0	0.5	186	19.2	19.2	7.8	7.8	26.8	26.9	108.9	108.6	8.6	8.2	1.4	1.9	3	3	825694	806935
						1.0	0.5	191	19.1		7.8	7.8	26.9	26.9	108.3	108.6	8.6		1.5		2			
					Middle	5.8	0.4	165	18.6	18.6	7.8	7.8	31.2	31.2	98.7	98.7	7.7	7.7	2.2	3				
						5.8	0.5	160	18.6		7.8	7.8	31.2	31.2	98.6	98.7	7.7		2.2	3				
					Bottom	10.6	0.4	177	18.7	18.7	7.8	7.8	31.3	31.3	99.4	99.5	7.7	7.7	2.2	2				
						10.6	0.4	169	18.7		7.8	7.8	31.2	31.3	99.6	99.5	7.7		2.1	3				
C3	Misty	Calm	22:00	10.6	Surface	1.0	0.3	85	18.9	18.9	8.0	8.0	31.4	31.4	95.8	95.8	7.4	7.4	1.0	1.2	3	3	822095	817822
						1.0	0.3	85	18.9		8.0	8.0	31.4	31.4	95.8	95.8	7.4		1.1		2			
					Middle	5.3	0.3	94	18.9	18.9	8.0	8.0	31.5	31.5	96.4	96.6	7.4	7.4	1.1	3				
						5.3	0.3	94	18.9		8.0	8.0	31.5	31.5	96.8	96.8	7.5		1.1	2				
					Bottom	9.6	0.3	81	18.9	18.9	8.0	8.0	31.5	31.5	97.8	98.3	7.5	7.6	1.4	4				
						9.6	0.3	74	18.9		8.0	8.0	31.5	31.5	98.7	98.3	7.6		1.5	3				
IM1	Cloudy	Moderate	21:50	6.3	Surface	1.0	0.3	202	19.1	19.1	7.9	7.9	30.6	30.6	102.4	102.5	7.9	7.8	4.5	4.3	3	3	818341	806440
						1.0	0.3	206	19.0		7.9	7.9	30.6	30.6	102.5	102.5	7.9		4.7		2			
					Middle	3.2	0.3	206	18.4	18.4	7.9	7.9	31.8	31.9	98.7	98.7	7.7	7.7	3.6	3				
						3.2	0.3	211	18.4		7.9	7.9	31.9	31.9	98.7	98.7	7.7		3.7	4				
					Bottom	5.3	0.3	196	18.4	18.4	7.9	7.9	32.0	32.0	99.1	99.2	7.7	7.7	4.6	3				
						5.3	0.3	189	18.4		7.9	7.9	32.0	32.0	99.2	99.2	7.7		4.7	4				
IM2	Cloudy	Moderate	21:46	7.2	Surface	1.0	0.3	197	19.1	19.1	7.9	7.9	30.7	30.7	100.9	100.9	7.8	7.8	2.8	4.6	2	4	819163	806241
						1.0	0.3	195	19.1		7.9	7.9	30.7	30.7	100.9	100.9	7.8		3.0		3			
					Middle	3.6	0.3	184	18.3	18.3	7.9	7.9	32.1	32.1	98.9	98.9	7.7	7.7	5.2	4				
						3.6	0.3	188	18.3		7.9	7.9	32.1	32.1	98.9	98.9	7.7		5.2	4				
					Bottom	6.2	0.3	183	18.3	18.3	7.9	7.9	31.9	31.9	99.2	99.2	7.7	7.7	5.6	4				
						6.2	0.3	184	18.3		7.9	7.9	31.9	31.9	99.2	99.2	7.7		5.6	5				
IM7	Cloudy	Moderate	21:26	8.0	Surface	1.0	0.2	170	18.8	18.8	7.9	7.9	30.7	30.8	99.5	99.5	7.7	7.7	2.8	5.1	3	3	821367	806843
						1.0	0.2	175	18.8		7.9	7.9	30.9	30.8	99.4	99.5	7.7		2.9		3			
					Middle	4.0	0.2	181	18.7	18.7	7.9	7.9	31.3	31.3	99.8	99.9	7.7	7.7	3.1	3				
						4.0	0.1	187	18.7		7.9	7.9	31.3	31.3	100.0	100.0	7.7		3.1	4				
					Bottom	7.0	0.2	178	18.8	18.8	7.9	7.9	31.3	31.3	101.4	101.5	7.9	7.9	9.6	3				
						7.0	0.2	173	18.8		7.9	7.9	31.3	31.3	101.6	101.5	7.9		9.4	4				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Misty	Calm	20:59	8.6	Surface	1.0	0.4	104	19.2	19.2	8.0	8.0	30.1	30.1	98.4	98.2	7.6	7.6	1.0	1.6	4	4	822243	809814			
						1.0	0.4	109	19.2		8.0	8.0	30.2	30.2	98.0	98.2	7.6		1.1								
					Middle	4.3	0.4	117	19.2	19.2	8.0	8.0	30.1	30.0	96.8	96.7	7.5	7.5	1.8	4							
						4.3	0.4	112	19.2		8.0	8.0	30.0	30.0	96.5	96.5	7.5		1.7	4							
					Bottom	7.6	0.4	131	19.3	19.4	8.0	8.0	29.6	29.6	96.7	97.0	7.5	7.5	2.1	3							
						7.6	0.4	133	19.4		8.0	8.0	29.5	29.5	97.3	97.0	7.5		2.1	3							
IM11	Misty	Calm	21:07	8.2	Surface	1.0	0.5	99	19.3	19.3	8.0	8.0	29.5	29.6	101.2	101.2	7.8	7.8	1.0	1.2	3	3	821510	810535			
						1.0	0.5	106	19.3		8.0	8.0	29.6	29.6	101.1	101.2	7.8		1.1		2						
					Middle	4.1	0.5	101	19.4	19.4	8.0	8.0	30.1	30.1	101.3	101.4	7.8	7.8	1.3	3							
						4.1	0.5	99	19.4		8.0	8.0	30.1	30.1	101.5	101.4	7.8		1.2	3							
					Bottom	7.2	0.4	76	19.5	19.5	8.0	7.9	30.0	30.0	102.2	102.3	7.9	7.9	1.5	3							
						7.2	0.4	72	19.5		7.9	7.9	29.9	30.0	102.4	102.3	7.9		1.4	3							
IM12	Misty	Calm	21:12	9.6	Surface	1.0	0.6	114	19.1	19.1	8.0	8.0	30.5	30.5	98.4	98.3	7.6	7.6	2.5	3.3	4	3	821184	811534			
						1.0	0.6	111	19.1		8.0	8.0	30.5	30.5	98.2	98.3	7.6		2.5		3						
					Middle	4.8	0.5	81	19.1	19.1	8.0	8.0	30.6	30.6	97.6	97.5	7.5	7.5	3.4	3							
						4.8	0.4	77	19.1		8.0	8.0	30.6	30.6	97.4	97.5	7.5		3.3	3							
					Bottom	8.6	0.5	92	19.5	19.5	8.0	7.9	30.3	30.3	100.9	101.0	7.7	7.8	4.2	2							
						8.6	0.5	94	19.5		7.9	7.9	30.3	30.3	101.1	101.0	7.8		4.1	3							
SR1A	Misty	Calm	21:25	5.6	Surface	1.0	0.0	84	19.2	19.2	8.0	8.0	29.6	29.6	98.3	98.2	7.6	7.6	1.1	1.4	5	4	819978	812657			
						1.0	0.0	83	19.2		8.0	8.0	29.6	29.6	98.1	98.2	7.6		1.2		4						
					Middle	2.8	0.0	76	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.8	0.0	79	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.6	0.0	110	19.1	19.1	8.0	8.0	29.9	29.9	97.6	97.6	7.6	7.6	1.6	4							
						4.6	0.0	111	19.1		8.0	8.0	29.9	29.9	97.5	97.6	7.6		1.7	3							
SR2	Misty	Calm	21:42	4.6	Surface	1.0	0.4	59	19.3	19.3	8.0	8.0	30.0	30.0	102.8	102.8	7.9	7.9	1.7	2.0	2	2	821468	814183			
						1.0	0.4	54	19.3		8.0	8.0	30.1	30.0	102.8	102.8	7.9		1.6		2						
					Middle	-	0.4	30	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	0.5	23	-		-	-	-	-	-	-	-	-	-	-	-				-		
					Bottom	3.6	0.5	65	19.3	19.3	7.9	7.9	30.2	30.2	103.0	103.1	8.0	8.0	2.3	3							
						3.6	0.5	69	19.2		7.9	7.9	30.2	30.2	103.1	103.1	8.0		2.3	2							
SR3	Cloudy	Moderate	21:19	8.2	Surface	1.0	0.5	169	19.0	19.0	7.9	7.8	28.4	28.4	106.5	105.7	8.4	8.1	1.8	1.8	2	2	822164	807578			
						1.0	0.5	176	18.9		7.8	7.8	28.5	28.4	104.8	104.8	8.2		1.8		2						
					Middle	4.1	0.5	176	18.8	18.8	7.8	7.8	30.6	30.6	101.2	101.4	7.9	7.9	1.8	2							
						4.1	0.5	168	18.8		7.8	7.8	30.6	30.6	101.5	101.4	7.9		1.8	2							
					Bottom	7.2	0.4	153	19.0	19.0	7.8	7.8	30.5	30.5	103.0	103.1	8.0	8.0	1.9	3							
						7.2	0.4	151	19.0		7.8	7.8	30.5	30.5	103.2	103.1	8.0		1.8	3							
SR4A	Cloudy	Moderate	22:39	9.2	Surface	1.0	0.1	22	19.1	19.1	7.9	7.9	31.2	31.2	98.4	98.4	7.6	7.6	4.7	6.6	4	3	817179	807802			
						1.0	0.1	27	19.0		7.9	7.9	31.2	31.2	98.3	98.4	7.6		4.7		3						
					Middle	4.6	0.0	24	19.0	19.0	7.9	7.9	31.2	31.2	98.1	98.2	7.6	7.6	5.3	4							
						4.6	0.1	25	19.0		7.9	7.9	31.2	31.2	98.2	98.2	7.6		5.3	3							
					Bottom	8.2	0.0	27	18.9	19.0	7.9	7.9	31.2	31.2	99.3	99.4	7.7	7.7	10.0	2							
						8.2	0.0	20	19.0		7.9	7.9	31.2	31.2	99.4	99.4	7.7		10.0	2							
SR8	Misty	Calm	21:16	5.0	Surface	1.0	-	-	19.7	19.7	8.0	8.0	29.6	29.6	99.9	99.8	7.7	7.7	2.1	2.5	2	2	820376	811624			
						1.0	-	-	19.7		8.0	8.0	29.7	29.6	99.7	99.8	7.6		2.1		2						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.0	-	-	19.7	19.8	7.9	7.9	30.2	30.2	99.3	99.6	7.6	7.6	3.0	2							
						4.0	-	-	19.8		7.9	7.9	30.1	30.2	99.8	99.6	7.6		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 02 March 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	09:40	8.6	Surface	1.0	0.0	60	18.5	18.5	7.8	7.8	31.0	31.1	99.7	99.7	7.8	7.8	3.7	8.6	4	3	815609	804231
						1.0	0.1	61	18.5		7.8	7.8	31.2	99.6	7.8	3.9	5							
					Middle	4.3	-	43	18.2	18.2	7.8	7.8	32.2	32.2	98.6	98.6	7.7	7.7	10.0	3				
						4.3	0.0	46	18.2		7.8	7.8	32.3	98.6	7.7	10.0	3							
					Bottom	7.6	0.1	28	18.1	18.1	7.8	7.8	32.4	32.4	98.6	98.6	7.7	7.7	12.1	2				
						7.6	0.1	28	18.1		7.8	7.8	32.4	98.6	7.7	12.1	2							
C2	Cloudy	Moderate	11:01	11.2	Surface	1.0	0.0	314	19.3	19.3	7.9	7.9	26.7	26.7	109.8	109.7	8.6	8.1	1.1	2.1	3	4	825666	806957
						1.0	0.0	309	19.3		7.9	7.9	26.8	109.5	8.6	1.1	3							
					Middle	5.6	0.0	325	18.6	18.6	7.9	7.9	31.2	31.2	98.0	98.0	7.6	7.6	2.6	4				
						5.6	0.0	319	18.6		7.9	7.9	31.2	97.9	7.6	2.6	3							
					Bottom	10.2	0.1	334	18.6	18.6	7.9	7.9	31.3	31.3	98.0	98.2	7.6	7.6	2.8	4				
						10.2	0.0	335	18.6		7.9	7.9	31.3	98.3	7.6	2.7	4							
C3	Misty	Calm	10:25	11.4	Surface	1.0	0.1	89	18.9	18.9	8.0	8.0	31.4	31.4	93.8	93.8	7.2	7.2	3.1	4.1	4	4	822105	817779
						1.0	0.1	93	18.9		8.0	8.0	31.4	93.7	7.2	3.0	5							
					Middle	5.7	0.1	108	18.9	18.9	8.0	8.0	31.5	31.5	92.3	92.3	7.1	7.1	4.2	4				
						5.7	0.1	102	18.8		8.0	8.0	31.5	92.2	7.1	4.1	3							
					Bottom	10.4	0.1	101	18.8	18.8	8.0	8.0	31.5	31.5	92.5	92.6	7.1	7.2	5.0	3				
						10.4	0.1	99	18.8		8.0	8.0	31.5	92.7	7.2	5.1	3							
IM1	Cloudy	Moderate	10:04	6.6	Surface	1.0	0.0	61	18.6	18.6	7.9	7.9	31.3	31.4	100.2	100.2	7.8	7.8	4.8	7.4	2	3	818372	806469
						1.0	0.1	63	18.6		7.9	7.9	31.4	100.1	7.8	5.0	2							
					Middle	3.3	0.1	93	18.4	18.4	7.9	7.9	32.0	32.0	100.2	100.2	7.8	7.8	6.9	3				
						3.3	0.1	86	18.4		7.9	7.9	32.0	100.2	7.8	7.1	3							
					Bottom	5.6	0.0	59	18.4	18.4	7.9	7.9	32.0	32.0	101.3	101.3	7.9	7.9	10.5	5				
						5.6	0.0	66	18.4		7.9	7.9	32.0	101.3	7.9	10.1	4							
IM2	Cloudy	Moderate	10:09	7.0	Surface	1.0	0.0	79	18.9	18.9	7.9	7.9	30.3	30.4	101.2	101.1	7.9	7.8	1.8	5.7	4	3	819197	806222
						1.0	0.1	75	18.9		7.9	7.9	30.5	101.0	7.8	2.0	3							
					Middle	3.5	0.0	93	18.4	18.4	7.9	7.9	32.0	32.0	99.5	99.5	7.7	7.7	5.7	4				
						3.5	0.1	93	18.4		7.9	7.9	32.0	99.5	7.7	5.7	3							
					Bottom	6.0	0.0	63	18.4	18.4	7.9	7.9	32.0	32.0	100.9	101.0	7.8	7.8	9.8	3				
						6.0	0.0	64	18.4		7.9	7.9	32.0	101.1	7.8	9.3	2							
IM7	Cloudy	Moderate	10:31	8.4	Surface	1.0	0.0	89	18.9	18.9	7.9	7.9	29.3	29.3	104.3	104.1	8.1	7.9	2.7	3.3	4	4	821360	806847
						1.0	0.1	87	18.9		7.9	7.9	29.3	103.8	8.1	2.7	4							
					Middle	4.2	0.0	73	18.7	18.7	7.9	7.9	31.3	31.3	99.2	99.2	7.7	7.7	3.5	4				
						4.2	0.0	68	18.7		7.9	7.9	31.3	99.2	7.7	3.6	3							
					Bottom	7.4	0.0	64	18.8	18.8	7.9	7.9	31.2	31.2	100.6	100.7	7.8	7.8	3.7	4				
						7.4	0.0	58	18.8		7.9	7.9	31.2	100.7	7.8	3.7	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 bold and underlined

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 March 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Misty	Calm	11:24	8.0	Surface	1.0	0.0	310	19.4	19.4	8.0	8.0	29.4	29.4	102.0	102.2	7.9	7.9	1.0	1.5	2	2	822228	809832			
						1.0	0.0	306	19.4		8.0	8.0	29.4	29.4	102.3	102.3	7.9		1.1								
					Middle	4.0	0.0	309	19.5	19.5	8.0	8.0	29.4	29.4	102.6	102.7	7.9	7.9	1.4	2							
						4.0	-	315	19.4		8.0	8.0	29.4	29.4	102.7	102.7	7.9		1.5	2							
					Bottom	7.0	0.0	299	19.4	19.4	8.0	8.0	29.4	29.4	102.8	102.9	7.9	8.0	2.0	2							
						7.0	0.0	302	19.4		8.0	8.0	29.3	29.4	102.9	102.9	8.0		1.9	2							
IM11	Misty	Calm	11:17	8.6	Surface	1.0	0.0	307	19.2	19.2	8.0	8.0	30.1	30.2	99.6	99.5	7.7	7.7	1.0	1.3	2	3	821516	810523			
						1.0	0.0	300	19.2		8.0	8.0	30.2	30.2	99.4	99.4	7.7		1.1								
					Middle	4.3	0.0	320	19.2	19.2	8.0	8.0	30.4	30.4	98.9	98.9	7.6	7.6	1.2	3							
						4.3	-	319	19.2		8.0	8.0	30.4	30.4	98.9	98.9	7.6		1.3	3							
					Bottom	7.6	0.0	284	19.3	19.3	7.9	7.9	30.4	30.4	99.0	100.6	7.6	7.8	1.7	3							
						7.6	0.0	279	19.3		7.9	7.9	30.4	30.4	102.1	102.1	7.9		1.7	3							
IM12	Misty	Calm	11:13	7.8	Surface	1.0	0.1	313	19.2	19.2	8.0	8.0	30.3	30.3	100.0	100.0	7.7	7.8	1.4	1.9	2	4	821151	811511			
						1.0	0.1	307	19.1		8.0	8.0	30.4	30.4	100.0	100.0	7.7		1.6								
					Middle	3.9	0.1	303	19.2	19.2	8.0	8.0	30.6	30.6	100.7	100.8	7.8	7.8	2.0	4							
						3.9	0.0	297	19.2		8.0	8.0	30.6	30.6	100.9	100.9	7.8		2.1	3							
					Bottom	6.8	0.0	301	19.3	19.3	7.9	7.9	30.5	30.5	101.5	101.6	7.8	7.8	2.1	5							
						6.8	0.0	297	19.3		7.9	7.9	30.5	30.5	101.6	101.6	7.8		2.0	6							
SR1A	Misty	Calm	10:53	4.4	Surface	1.0	0.1	172	19.1	19.1	8.0	7.9	29.8	29.9	99.3	99.5	7.7	7.7	1.4	1.5	2	3	819975	812656			
						1.0	0.0	166	19.1		7.9	7.9	30.0	30.0	99.6	99.6	7.7		1.3								
					Middle	2.2	0.0	177	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.2	0.0	172	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	3.4	0.0	195	19.1	19.1	7.9	7.9	30.3	30.3	100.2	100.3	7.7	7.8	1.6	3							
						3.4	0.0	202	19.1		7.9	7.9	30.3	30.3	100.4	100.4	7.8		1.6	4							
SR2	Misty	Calm	10:43	5.2	Surface	1.0	0.0	168	19.0	19.0	7.9	7.9	30.5	30.5	101.5	101.5	7.9	7.9	1.7	2.0	3	4	821459	814189			
						1.0	0.0	175	19.0		7.9	7.9	30.5	30.5	101.5	101.5	7.9		1.6								
					Middle	-	0.0	159	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	0.0	166	-		-	-	-	-	-	-	-	-	-	-	-				-		
					Bottom	4.2	0.0	134	19.1	19.1	7.8	7.8	30.5	30.5	101.7	101.7	7.9	7.9	2.4	4							
						4.2	0.0	139	19.1		7.8	7.8	30.6	30.6	101.7	101.7	7.9		2.4	4							
SR3	Cloudy	Moderate	10:38	8.4	Surface	1.0	0.0	184	19.0	19.0	7.9	7.9	28.7	28.7	106.3	105.9	8.3	8.0	1.2	1.9	3	4	822168	807566			
						1.0	0.1	182	19.0		7.9	7.9	28.7	28.7	105.4	105.4	8.3		1.3								
					Middle	4.2	0.1	156	18.8	18.8	7.9	7.9	30.8	30.8	99.8	99.9	7.7	7.8	2.0	4							
						4.2	0.0	157	18.8		7.9	7.9	30.8	30.8	99.9	99.9	7.8		2.0	4							
					Bottom	7.4	0.1	168	18.7	18.7	7.9	7.9	31.0	31.0	101.6	101.8	7.9	7.9	2.4	4							
						7.4	0.1	163	18.7		7.9	7.9	31.0	31.0	102.0	102.0	7.9		2.3	4							
SR4A	Cloudy	Moderate	09:10	9.2	Surface	1.0	0.0	291	19.0	19.0	7.9	7.9	30.4	30.4	97.5	97.5	7.6	7.6	4.6	4.9	4	3	817208	807788			
						1.0	0.0	289	18.9		7.9	7.9	30.5	30.4	97.4	97.4	7.6		4.6								
					Middle	4.6	-	298	18.9	18.9	7.9	7.9	30.7	30.7	96.2	96.2	7.5	7.5	5.3	4							
						4.6	0.0	305	18.9		7.9	7.9	30.7	30.7	96.2	96.2	7.5		5.3	3							
					Bottom	8.2	0.0	278	18.9	18.9	7.9	7.9	31.2	31.1	95.9	95.9	7.4	7.4	4.9	3							
						8.2	0.0	278	18.9		7.9	7.9	31.1	31.1	95.9	95.9	7.4		4.8	3							
SR8	Misty	Calm	11:08	5.0	Surface	1.0	-	-	19.2	19.2	7.9	7.9	30.5	30.5	100.9	101.0	7.8	7.8	1.1	1.1	4	4	820368	811607			
						1.0	-	-	19.2		7.9	7.9	30.5	30.5	101.1	101.1	7.8		1.0								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-				-		
					Bottom	4.0	-	-	19.3	19.3	7.9	7.9	30.5	30.5	101.7	101.8	7.8	7.8	1.2	3							
						4.0	-	-	19.3		7.9	7.9	30.5	30.5	101.8	101.8	7.8		1.1	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 04 March 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	Cloudy	Moderate	11:50	8.3	Surface	1.0	0.0	197	19.2	19.2	8.1	8.1	30.3	30.4	101.2	101.1	7.8	7.8	2.1	5.9	4	4	815612	804266
						1.0	0.0	203	19.2		8.1		30.4		100.9		7.8		2.1					
					Middle	4.2	0.1	186	19.1	19.1	8.1	8.1	30.6	30.6	99.5	99.5	7.7	7.7	4.5	4	4			
						4.2	0.1	181	19.1		8.1		30.6		99.4		7.7		4.5					
					Bottom	7.3	0.0	178	19.1	19.1	8.1	8.1	30.7	30.7	99.6	99.7	7.7	7.7	11.1	4	4			
						7.3	0.0	185	19.1		8.1		30.7		99.7		7.7		11.2		3			
C2	Cloudy	Moderate	10:28	11.0	Surface	1.0	0.1	4	19.5	19.5	8.1	8.1	27.0	27.0	111.3	111.2	8.7	8.4	0.9	4.6	4	4	825664	806939
						1.0	0.0	7	19.5		8.1		27.0		111.0		8.7		1.0					
					Middle	5.5	0.1	334	19.1	19.1	8.1	8.1	30.0	30.1	102.7	102.8	8.0	8.0	3.6	4	4			
						5.5	0.1	341	19.1		8.1		30.1		102.8		8.0		3.8					
					Bottom	10.0	0.1	330	19.1	19.1	8.1	8.1	30.2	30.2	104.1	104.2	8.1	8.1	9.3	4	4			
						10.0	0.1	333	19.1		8.1		30.2		104.2		8.1		9.0		3			
C3	Misty	Calm	11:34	10.0	Surface	1.0	0.1	72	19.0	19.0	7.8	7.8	31.4	31.4	107.9	107.8	8.3	8.3	2.7	4.0	2	3	822124	817781
						1.0	0.1	70	18.9		7.8		31.4		107.7		8.3		2.8					
					Middle	5.0	0.2	69	18.7	18.7	7.8	7.8	31.5	31.5	106.1	106.0	8.2	8.2	4.0	4	3			
						5.0	0.2	65	18.7		7.8		31.5		105.9		8.2		4.1					
					Bottom	9.0	0.2	75	18.6	18.6	7.7	7.7	31.6	31.6	99.8	99.8	7.7	7.7	5.1	4	4			
						9.0	0.1	75	18.6		7.7		31.6		99.8		7.7		5.1		3			
IM1	Cloudy	Moderate	11:29	6.7	Surface	1.0	0.1	92	19.3	19.3	8.2	8.2	30.3	30.3	103.8	103.7	8.0	8.0	2.3	2.8	3	4	818356	806470
						1.0	0.1	94	19.2		8.2		30.3		103.6		8.0		2.3					
					Middle	3.4	0.0	94	19.1	19.1	8.2	8.2	30.6	30.6	103.3	103.4	8.0	8.0	3.0	4	4			
						3.4	0.1	93	19.1		8.2		30.6		103.4		8.0		3.0					
					Bottom	5.7	0.0	99	19.1	19.1	8.2	8.2	30.6	30.6	104.3	104.3	8.1	8.1	3.1	4	4			
						5.7	0.1	101	19.1		8.2		30.6		104.3		8.1		3.1		5			
IM2	Cloudy	Moderate	11:23	6.4	Surface	1.0	0.0	81	19.3	19.3	8.2	8.2	30.2	30.2	103.8	103.8	8.0	7.9	2.1	4.2	4	4	819174	806250
						1.0	0.0	81	19.3		8.2		30.2		103.8		8.0		2.2					
					Middle	3.2	0.1	89	19.1	19.1	8.2	8.2	30.7	30.7	100.9	100.9	7.8	7.8	4.9	4	5			
						3.2	0.1	93	19.1		8.2		30.7		100.8		7.8		5.0					
					Bottom	5.4	0.1	54	19.0	19.1	8.2	8.2	30.8	30.8	100.6	100.7	7.8	7.8	5.3	4	4			
						5.4	0.0	60	19.1		8.2		30.7		100.7		7.8		5.4		4			
IM7	Cloudy	Moderate	10:48	8.0	Surface	1.0	0.2	43	19.3	19.3	8.1	8.1	27.0	27.0	111.8	111.8	8.8	8.5	2.0	3.2	4	4	821360	806833
						1.0	0.1	35	19.3		8.1		27.0		111.7		8.8		2.1					
					Middle	4.0	0.1	45	19.1	19.1	8.1	8.1	30.1	30.2	105.1	105.1	8.1	8.1	3.5	4	3			
						4.0	0.1	41	19.1		8.1		30.2		105.1		8.1		3.6					
					Bottom	7.0	0.1	55	19.1	19.1	8.1	8.1	30.3	30.3	105.3	105.4	8.2	8.2	3.9	4	4			
						7.0	0.2	56	19.1		8.1		30.3		105.4		8.2		4.0		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 04 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)				
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA								
IM10	Misty	Calm	10:29	9.6	Surface	1.0	0.0	27	18.7	18.7	7.9	7.9	30.0	30.1	111.7	111.5	8.7	8.5	3.1	4.3	4	3	822255	809830				
						1.0	0.0	21	18.7		7.9	30.2	111.2	8.7	3.2													
					Middle	4.8	0.1	32	18.6	18.6	7.9	7.9	30.7	30.7	106.2	106.2	8.3	8.3	4.7	4								
						4.8	0.1	32	18.6		7.9	30.8	106.1	8.3	4.6													
					Bottom	8.6	0.0	15	18.6	18.6	7.9	7.9	30.8	30.8	107.3	107.4	8.4	8.4	5.1	3								
						8.6	0.0	14	18.6		7.9	30.8	107.5	8.4	5.1	3												
IM11	Misty	Calm	10:42	9.0	Surface	1.0	0.0	65	18.7	18.7	7.8	7.8	30.2	30.3	111.5	111.4	8.7	8.5	1.8	2.4	3	4	821496	810540				
						1.0	0.0	67	18.7		7.8	30.3	111.3	8.7	1.7													
					Middle	4.5	0.1	78	18.6	18.6	7.8	7.8	30.8	30.7	105.9	105.9	8.2	8.2	2.1	4								
						4.5	0.1	76	18.6		7.8	30.7	105.8	8.2	2.2													
					Bottom	8.0	0.1	62	18.6	18.6	7.8	7.8	30.5	30.5	106.5	106.6	8.3	8.3	3.4	4								
						8.0	0.1	64	18.6		7.8	30.5	106.7	8.3	3.4	5												
IM12	Misty	Calm	10:46	8.8	Surface	1.0	0.1	71	18.7	18.7	7.8	7.8	30.4	30.4	112.0	111.8	8.7	8.5	1.2	2.3	3	4	821149	811521				
						1.0	0.0	74	18.7		7.8	30.5	111.5	8.7	1.2													
					Middle	4.4	0.1	86	18.6	18.6	7.8	7.8	30.8	30.8	106.9	106.9	8.3	8.3	2.4	4								
						4.4	0.0	87	18.6		7.8	30.8	106.8	8.3	2.4													
					Bottom	7.8	0.1	80	18.6	18.6	7.8	7.8	30.8	30.8	107.3	107.4	8.4	8.4	3.4	5								
						7.8	0.1	77	18.6		7.8	30.8	107.4	8.4	3.3	4												
SR1A	Misty	Calm	10:58	5.0	Surface	1.0	0.0	149	18.6	18.7	7.8	7.8	30.9	30.8	108.1	109.4	8.4	8.5	2.9	3.0	3	4	819972	812659				
						1.0	0.0	147	18.8		7.8	30.7	107.7	8.6	2.8													
					Middle	2.5	0.0	165	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-
						2.5	0.1	159	-		-	-	-	-	-	-	-	-	-	-	-				-	-	-	
					Bottom	4.0	0.0	168	18.8	18.8	7.8	7.8	30.8	30.8	110.4	110.0	8.6	8.6	3.1	4								
						4.0	0.0	165	18.7		7.8	30.8	109.6	8.5	3.2	4												
SR2	Misty	Calm	11:16	4.6	Surface	1.0	0.0	59	18.8	18.8	7.8	7.8	30.9	30.9	110.9	109.4	8.6	8.5	3.0	3.1	4	4	821469	814171				
						1.0	0.1	51	18.8		7.8	30.9	107.9	8.4	3.1													
					Middle	-	0.0	64	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	
						-	0.0	61	-		-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.6	0.0	53	18.7	18.7	7.8	7.8	31.0	31.0	106.0	105.7	8.2	8.2	3.2	5								
						3.6	0.0	57	18.7		7.8	31.0	105.3	8.2	3.3	4												
SR3	Cloudy	Moderate	10:42	9.0	Surface	1.0	0.1	25	19.4	19.4	8.1	8.1	27.0	27.0	109.5	108.9	8.6	8.2	2.8	5.7	3	3	822142	807592				
						1.0	0.1	21	19.3		8.1	27.0	108.3	8.5	3.0													
					Middle	4.5	0.1	12	19.2	19.2	8.1	8.1	29.7	29.8	102.4	102.4	7.9	7.9	5.9	3								
						4.5	0.1	9	19.1		8.1	30.0	102.3	7.9	6.0													
					Bottom	8.0	0.1	21	19.1	19.1	8.1	8.1	30.2	30.2	102.4	102.4	7.9	7.9	8.3	4								
						8.0	0.1	16	19.1		8.1	30.2	102.4	7.9	8.2	3												
SR4A	Cloudy	Moderate	12:16	8.4	Surface	1.0	0.0	253	19.1	19.1	8.2	8.1	30.5	30.6	102.9	102.9	8.0	8.0	4.0	4.2	5	6	817183	807810				
						1.0	0.0	259	19.1		8.1	30.6	102.9	8.0	4.1													
					Middle	4.2	0.0	266	19.0	19.0	8.1	8.1	30.6	30.6	103.2	103.3	8.0	8.0	4.4	6								
						4.2	0.0	262	19.0		8.1	30.6	103.3	8.0	4.3													
					Bottom	7.4	0.0	287	19.0	19.0	8.1	8.1	30.6	30.6	104.1	104.2	8.1	8.1	4.3	6								
						7.4	0.1	282	19.0		8.1	30.6	104.2	8.1	4.3	6												
SR8	Misty	Calm	10:49	5.4	Surface	1.0	-	-	18.9	18.9	7.8	7.8	29.5	29.5	112.7	112.6	8.8	8.8	2.8	3.3	4	4	820378	811636				
						1.0	-	-	18.9		7.8	29.5	112.5	8.8	2.8													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		
						-	-	-	-		-	-	-	-	-	-	-	-	-									
					Bottom	4.4	-	-	18.6	18.6	7.8	7.7	30.9	30.9	107.0	107.0	8.3	8.3	3.8	4								
						4.4	-	-	18.6		7.7	30.9	107.0	8.3	3.8	5												

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Water Quality Monitoring

Water Quality Monitoring Results on 04 March 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	06:50	8.9	Surface	1.0	0.3	37	19.1	19.1	8.1	8.1	30.1	30.1	101.9	101.8	7.9	7.8	4.7	6.6	5	6	815626	804229
						1.0	0.3	40	19.1		8.1		30.1		101.7		7.9		4.5					
					Middle	4.5	0.3	47	19.0	19.0	8.1	8.1	30.5	30.5	100.1	100.0	7.7	7.7	7.7	7.7	6			
						4.5	0.2	44	19.0		8.1		30.5		99.9		7.7		6					
					Bottom	7.9	0.2	37	19.1	19.1	8.1	8.1	30.6	30.6	99.6	99.6	7.7	7.7	7.8	7.7	7			
						7.9	0.3	37	19.1		8.1		30.6		99.6		7.7		6					
C2	Cloudy	Moderate	08:13	11.8	Surface	1.0	0.2	347	19.4	19.4	8.1	8.1	27.2	27.2	110.3	110.1	8.6	8.4	1.8	6.1	3	5	825658	806959
						1.0	0.2	351	19.3		8.1		27.2		109.8		8.6		1.7		4			
					Middle	5.9	0.2	352	19.1	19.1	8.1	8.1	30.0	30.0	104.4	104.5	8.1	8.1	4.8	8.1	5			
						5.9	0.3	356	19.1		8.1		30.0		104.5		8.1		5.1		4			
					Bottom	10.8	0.2	334	19.2	19.2	8.1	8.1	30.2	30.2	105.4	105.5	8.1	8.2	11.7	8.2	5			
						10.8	0.3	332	19.2		8.1		30.2		105.5		8.2		11.5		6			
C3	Misty	Calm	07:14	10.4	Surface	1.0	0.5	265	18.5	18.5	7.8	7.8	31.3	31.3	96.1	96.1	7.5	7.5	3.1	4.2	4	4	822104	817786
						1.0	0.5	267	18.5		7.8		31.3		96.0		7.5		3.2		5			
					Middle	5.2	0.4	242	18.5	18.5	7.8	7.8	31.3	31.3	95.2	95.2	7.4	7.4	4.1	7.5	4			
						5.2	0.4	234	18.5		7.8		31.3		95.2		7.4		4.2		4			
					Bottom	9.4	0.4	279	18.5	18.5	7.8	7.8	31.1	31.1	95.7	95.8	7.5	7.5	5.3	7.5	4			
						9.4	0.5	276	18.5		7.8		31.1		95.8		7.5		5.3		3			
IM1	Cloudy	Moderate	07:13	6.8	Surface	1.0	0.2	25	19.1	19.1	8.1	8.1	30.3	30.3	102.0	102.0	7.9	7.9	4.2	6.5	4	5	818337	806463
						1.0	0.1	26	19.1		8.1		30.4		101.9		7.9		4.6		5			
					Middle	3.4	0.2	14	19.1	19.1	8.1	8.1	30.6	30.6	101.9	102.0	7.9	7.9	6.7	8.0	5			
						3.4	0.2	10	19.1		8.1		30.6		102.0		7.9		7.1		5			
					Bottom	5.8	0.2	36	19.1	19.1	8.1	8.1	30.5	30.5	102.9	102.9	8.0	8.0	8.2	8.0	6			
						5.8	0.2	38	19.1		8.1		30.5		102.9		8.0		8.2		5			
IM2	Cloudy	Moderate	07:17	7.0	Surface	1.0	0.2	25	19.2	19.2	8.1	8.1	30.1	30.1	101.3	101.2	7.8	7.7	2.6	5.0	4	6	819184	806229
						1.0	0.2	29	19.2		8.1		30.1		101.1		7.8		2.6		5			
					Middle	3.5	0.2	26	19.1	19.1	8.1	8.1	30.6	30.6	98.4	98.4	7.6	7.6	3.0	7.6	6			
						3.5	0.2	24	19.1		8.1		30.6		98.3		7.6		3.2		6			
					Bottom	6.0	0.2	1	19.1	19.1	8.1	8.1	30.7	30.7	98.0	98.0	7.6	7.6	9.3	7.6	7			
						6.0	0.2	357	19.1		8.1		30.7		98.0		7.6		9.7		7			
IM7	Cloudy	Moderate	07:41	8.4	Surface	1.0	0.2	354	19.3	19.3	8.2	8.2	27.2	27.2	109.1	108.7	8.6	8.3	2.9	4.0	4	5	821325	806821
						1.0	0.2	1	19.2		8.2		27.3		108.2		8.5		3.1		6			
					Middle	4.2	0.2	3	19.1	19.1	8.2	8.2	30.2	30.2	102.8	102.8	8.0	8.0	4.5	8.0	6			
						4.2	0.2	7	19.1		8.2		30.2		102.8		8.0		4.5		5			
					Bottom	7.4	0.2	342	19.2	19.2	8.2	8.2	30.2	30.2	102.9	102.9	8.0	8.0	4.5	8.0	4			
						7.4	0.1	341	19.2		8.2		30.2		102.9		8.0		4.4		3			

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Water Quality Monitoring

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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				
IM10	Misty	Calm	08:34	10.2	Surface	1.0	0.3	289	18.8	18.8	7.9	7.9	28.6	28.7	110.6	110.5	8.7	8.4	1.4	2.0	4	4	822253	809859		
						1.0	0.3	284	18.7	7.9	7.9	28.7	28.7	110.4	110.4	8.7	8.4	1.5	2.0	4	4					
					Middle	5.1	0.2	293	18.6	18.6	7.9	7.9	30.8	30.8	104.1	104.1	8.1	8.1	2.1	2.0	4	4				
						5.1	0.3	295	18.6	18.6	7.9	7.9	30.8	30.8	104.1	104.1	8.1	8.1	2.0	2.0	4	4				
					Bottom	9.2	0.2	310	18.6	18.6	7.8	7.8	30.8	30.8	104.3	104.4	8.1	8.1	2.5	2.6	5	5				
						9.2	0.2	308	18.6	18.6	7.8	7.8	30.8	30.8	104.4	104.4	8.1	8.1	2.6	2.6	5	5				
IM11	Misty	Calm	08:27	7.4	Surface	1.0	0.3	289	18.8	18.8	7.8	7.8	29.4	29.4	108.0	108.0	8.4	8.4	3.3	4.5	3	4	821498	810564		
						1.0	0.3	283	18.8	18.8	7.8	7.8	29.5	29.4	107.9	108.0	8.4	8.4	3.4	4.5	4	4				
					Middle	3.7	0.3	286	18.7	18.7	7.8	7.8	30.1	30.1	106.5	106.6	8.3	8.3	4.7	4.6	4	4				
						3.7	0.4	281	18.7	18.7	7.8	7.8	30.1	30.1	106.6	106.6	8.3	8.3	4.6	4.6	4	4				
					Bottom	6.4	0.4	287	18.7	18.7	7.8	7.8	30.4	30.4	103.4	103.4	8.1	8.1	5.7	5.6	4	4				
						6.4	0.3	294	18.7	18.7	7.8	7.8	30.4	30.4	103.4	103.4	8.0	8.1	5.6	5.6	4	4				
IM12	Misty	Calm	08:13	8.6	Surface	1.0	0.4	288	18.6	18.6	7.8	7.8	30.6	30.7	108.8	108.3	8.5	8.3	3.3	4.3	4	4	821153	811508		
						1.0	0.4	283	18.6	18.6	7.8	7.8	30.7	30.7	107.8	108.3	8.4	8.3	3.3	4.3	3	4				
					Middle	4.3	0.3	297	18.6	18.6	7.8	7.8	30.9	30.9	103.6	103.7	8.1	8.1	4.5	4.4	4	4				
						4.3	0.3	294	18.6	18.6	7.8	7.8	30.9	30.9	103.7	103.7	8.1	8.1	4.4	4.4	5	5				
					Bottom	7.6	0.4	286	18.7	18.8	7.8	7.8	30.9	30.9	104.1	104.1	8.1	8.1	5.0	5.1	5	4				
						7.6	0.4	289	18.8	18.8	7.8	7.8	30.9	30.9	104.1	104.1	8.1	8.1	5.1	5.1	4	4				
SR1A	Misty	Calm	07:53	5.2	Surface	1.0	0.0	190	18.6	18.6	7.8	7.8	30.6	30.6	101.8	101.8	7.9	7.9	2.0	2.1	3	4	819981	812663		
						1.0	0.0	188	18.6	18.6	7.8	7.8	30.6	30.6	101.7	101.7	7.9	7.9	1.9	2.1	4	4				
					Middle	2.6	0.0	189	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	5
						2.6	0.0	186	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	5
					Bottom	4.2	0.0	206	18.7	18.7	7.8	7.8	30.8	30.8	101.7	101.7	7.9	7.9	2.2	2.3	5	6				
						4.2	0.0	202	18.7	18.7	7.8	7.8	30.7	30.8	101.7	101.7	7.9	7.9	2.3	2.3	6	6				
SR2	Misty	Calm	07:39	5.8	Surface	1.0	0.1	317	18.6	18.6	7.8	7.8	30.7	30.7	106.2	106.1	8.3	8.3	2.0	2.8	4	4	821449	814179		
						1.0	0.1	321	18.6	18.6	7.8	7.8	30.7	30.7	105.9	106.1	8.3	8.3	2.1	2.8	4	4				
					Middle	-	0.1	308	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	4
						-	0.0	314	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	4
					Bottom	4.8	0.0	297	18.2	18.2	7.8	7.8	31.2	31.2	104.2	104.3	8.2	8.2	3.4	3.5	4	5				
						4.8	0.1	291	18.2	18.2	7.8	7.8	31.2	31.2	104.4	104.4	8.2	8.2	3.5	3.5	5	5				
SR3	Cloudy	Moderate	07:46	8.4	Surface	1.0	0.2	329	19.6	19.6	8.1	8.1	27.1	27.1	114.2	114.2	8.9	8.5	0.8	2.2	4	4	822158	807550		
						1.0	0.2	328	19.6	19.6	8.1	8.1	27.2	27.1	114.1	114.2	8.9	8.5	0.9	2.2	5	4				
					Middle	4.2	0.2	351	19.3	19.3	8.1	8.1	28.3	28.3	104.4	104.3	8.1	8.1	2.0	2.2	4	4				
						4.2	0.3	346	19.3	19.3	8.1	8.1	28.3	28.3	104.1	104.3	8.1	8.1	2.2	2.2	4	4				
					Bottom	7.4	0.3	311	19.1	19.2	8.1	8.1	30.0	30.0	104.0	104.2	8.1	8.1	3.7	3.7	3	4				
						7.4	0.2	314	19.2	19.2	8.1	8.1	30.0	30.0	104.3	104.3	8.1	8.1	3.7	3.7	4	4				
SR4A	Cloudy	Moderate	06:23	8.8	Surface	1.0	0.0	236	19.0	19.0	8.1	8.1	30.6	30.6	102.8	102.7	8.0	7.9	4.5	4.6	16	14	817207	807808		
						1.0	0.1	240	19.0	19.0	8.1	8.1	30.7	30.6	102.6	102.6	7.9	7.9	4.5	4.6	15	14				
					Middle	4.4	0.1	228	19.0	19.0	8.1	8.1	30.7	30.7	102.6	102.6	7.9	7.9	4.6	4.6	14	13				
						4.4	0.0	222	19.0	19.0	8.1	8.1	30.7	30.7	102.5	102.5	7.9	7.9	4.6	4.7	13	12				
					Bottom	7.8	0.0	220	19.0	19.0	8.1	8.1	30.7	30.7	102.5	102.5	7.9	7.9	4.7	4.7	12	11				
						7.8	0.0	212	19.0	19.0	8.1	8.1	30.7	30.7	102.5	102.5	7.9	7.9	4.7	4.7	11	11				
SR8	Misty	Calm	08:09	5.4	Surface	1.0	-	-	18.6	18.6	7.8	7.8	30.5	30.5	108.2	108.0	8.4	8.4	1.1	1.6	4	4	820373	811636		
						1.0	-	-	18.6	18.6	7.8	7.8	30.5	30.5	107.7	108.0	8.4	8.4	1.1	1.6	5	4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	4
					Bottom	4.4	-	-	18.7	18.7	7.8	7.8	30.9	30.9	102.3	102.3	7.9	7.9	2.1	2.1	4	4				
						4.4	-	-	18.7	18.7	7.8	7.8	30.9	30.9	102.2	102.2	7.9	7.9	2.1	2.1	4	4				

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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 07 March 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	13:06	8.5	Surface	1.0	0.2	219	18.5	18.5	7.8	7.8	31.1	31.1	96.3	96.3	7.5	7.5	7.5	8.3	6.6	3	4	815640	804229								
						1.0	0.2	222	18.5		7.8		31.1		96.2		7.5				6.8												
					Middle	4.3	0.2	203	18.4	18.4	7.8	7.8	31.2	31.2	96.1	96.1	7.5	7.5	7.5	7.5	7.5	7.5				8.3	8.5	4					
						4.3	0.2	198	18.4		7.8		31.2		96.1		7.5										8.5						
					Bottom	7.5	0.2	207	18.4	18.4	7.8	7.8	31.2	31.2	96.3	96.4	96.4	96.4	7.5	7.5	7.5	7.5				7.5	8.3	9.7	4				
						7.5	0.2	213	18.4		7.8		31.2		96.4		7.5		9.5														
					C2	Cloudy	Moderate	11:38	11.2	Surface	1.0	0.1	139	18.9	18.9	7.9	7.9	29.0	29.0	97.4	97.4	7.6				7.6	7.6	4.5	2.3	4	3	825682	806958
											1.0	0.1	138	18.9		7.9		29.1		97.3		7.6							2.4				
Middle	5.6	0.1	148	18.7						18.7	7.8	7.8	29.9	29.9	96.4	96.4	96.4	96.4	7.5	7.5	7.5	7.5	4.5	3.0	2								
	5.6	0.0	152	18.7							7.8		29.9		96.4		7.5		3.3														
Bottom	10.2	0.1	135	18.8						18.8	7.8	7.8	29.8	29.7	97.4	97.5	97.5	97.5	7.6	7.6	7.6	7.6	4.5	7.9	3								
	10.2	0.1	138	18.8							7.8		29.7		97.5		7.6		7.8														
C3	Misty	Calm	12:49	9.2						Surface	1.0	0.3	86	19.2	19.2	8.1	8.1	30.2	30.2	98.8	98.7	7.6	7.6	7.6	2.5	2.2	2	3	822115	817794			
											1.0	0.3	84	19.2		8.1		30.2		98.5		7.6				2.2							
					Middle	4.6	0.3	99	19.2	19.2	8.1	8.1	30.2	30.2	98.0	98.1	98.1	98.1	7.6	7.6	7.6	2.5	2.3	2									
						4.6	0.3	105	19.2		8.1		30.2		98.2		7.6		2.4														
					Bottom	8.2	0.3	104	19.2	19.2	8.1	8.1	30.2	30.2	101.4	101.6	101.6	101.6	7.8	7.9	7.9	7.9	2.5	3.1	3								
						8.2	0.3	103	19.2		8.1		30.2		101.8		7.9		3.2														
					IM1	Cloudy	Moderate	12:46	6.2	Surface	1.0	0.1	187	18.8	18.8	7.8	7.8	31.0	31.0	98.1	98.1	7.6	7.6	7.6	6.3	5.4	<2				2	818341	806473
											1.0	0.1	190	18.8		7.8		31.0		98.1		7.6				5.5							
Middle	3.1	0.1	180	18.7						18.7	7.8	7.8	31.1	31.1	98.3	98.3	98.3	98.3	7.6	7.6	7.6	6.3	6.3	3									
	3.1	0.1	175	18.7							7.8		31.1		98.3		7.6		5.6														
Bottom	5.2	0.1	185	18.7						18.7	7.8	7.8	31.1	31.1	98.5	98.6	98.6	98.6	7.6	7.7	7.7	7.7	6.3	7.7	2								
	5.2	0.1	184	18.7							7.8		31.1		98.6		7.7		7.5														
IM2	Cloudy	Moderate	12:38	6.9						Surface	1.0	0.0	165	18.7	18.7	7.8	7.8	31.0	31.0	97.7	97.6	7.6	7.6	7.6	7.0	6.0	4	3	819198	806226			
											1.0	0.0	171	18.7		7.8		31.0		97.5		7.6				6.0							
					Middle	3.5	0.0	157	18.6	18.6	7.8	7.8	31.2	31.2	96.8	96.7	96.7	96.7	7.5	7.5	7.5	7.0	6.4	3									
						3.5	0.1	163	18.6		7.8		31.2		96.6		7.5		6.5														
					Bottom	5.9	0.0	152	18.5	18.5	7.8	7.8	31.2	31.2	96.2	96.2	96.2	96.2	7.5	7.5	7.5	7.0	8.7	2									
						5.9	0.0	148	18.5		7.8		31.2		96.1		7.5		8.6														
					IM7	Cloudy	Moderate	12:15	8.4	Surface	1.0	0.2	82	18.7	18.7	7.8	7.8	30.2	30.2	96.9	96.9	7.6	7.6	7.6	6.2	5.4	2				3	821365	806839
											1.0	0.2	77	18.7		7.8		30.3		96.9		7.6				5.5							
Middle	4.2	0.2	59	18.6						18.6	7.8	7.8	30.5	30.5	96.7	96.8	96.8	96.8	7.5	7.5	7.5	6.2	6.4	2									
	4.2	0.2	55	18.6							7.8		30.5		96.8		7.5		6.5														
Bottom	7.4	0.2	54	18.6						18.6	7.8	7.8	30.5	30.5	96.8	96.9	96.9	96.9	7.6	7.6	7.6	6.2	6.6	2									
	7.4	0.2	60	18.6							7.8		30.5		96.9		7.6		6.6														

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Water Quality Monitoring

Water Quality Monitoring Results on 07 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Misty	Calm	11:48	9.6	Surface	1.0	0.2	79	19.3	19.3	8.1	8.1	29.0	29.0	97.8	97.8	7.6	7.6	7.6	5.9	4.4	2	4	822258	809837		
						1.0	0.1	83	19.3		8.1	8.1	29.0	29.0	97.7	97.7	7.6	7.6			4.5	2					
					Middle	4.8	0.1	77	19.1	19.1	8.1	8.1	29.5	29.5	97.4	97.4	7.6	7.6	7.6	7.6	7.6	7.6				6.1	4
						4.8	0.1	84	19.1		8.1	8.1	29.5	29.5	97.4	97.4	7.6	7.6								6.1	4
					Bottom	8.6	0.2	58	19.1	19.1	8.1	8.1	29.6	29.5	97.6	97.7	7.6	7.6	7.6	7.6	7.6	7.6				7.0	5
						8.6	0.2	58	19.1		8.1	8.1	29.5	29.5	97.7	97.7	7.6	7.6								7.0	4
IM11	Misty	Calm	11:55	7.6	Surface	1.0	0.1	68	19.2	19.2	8.1	8.1	29.2	29.2	96.6	96.6	7.5	7.5	7.5	3.3	2.8	4	4	821486	810525		
						1.0	0.1	72	19.2		8.1	8.1	29.3	29.2	96.5	96.5	7.5	7.5			2.9	3					
					Middle	3.8	0.1	92	19.2	19.2	8.1	8.1	29.5	29.5	96.1	96.1	7.5	7.5	7.5	7.5	7.5	7.5				3.3	5
						3.8	0.1	95	19.2		8.1	8.1	29.5	29.5	96.1	96.1	7.5	7.5								3.4	4
					Bottom	6.6	0.2	101	19.2	19.2	8.1	8.1	29.6	29.6	95.9	95.9	7.4	7.4	7.4	7.4	7.4	7.4				3.7	5
						6.6	0.2	105	19.2		8.1	8.1	29.6	29.6	95.9	95.9	7.4	7.4								3.6	5
IM12	Misty	Calm	12:01	8.8	Surface	1.0	0.1	80	19.4	19.4	8.1	8.1	29.3	29.4	98.6	98.8	7.6	7.6	7.7	4.9	3.3	6	7	821151	811513		
						1.0	0.1	73	19.3		8.1	8.1	29.5	29.4	98.9	98.9	7.7	7.7			3.4	6					
					Middle	4.4	0.2	106	19.3	19.3	8.1	8.1	29.5	29.6	99.0	99.3	7.7	7.7	7.7	7.7	7.7	7.7				5.0	6
						4.4	0.2	102	19.2		8.1	8.1	29.6	29.6	99.6	99.6	7.7	7.7								5.1	6
					Bottom	7.8	0.2	86	19.2	19.3	8.1	8.1	29.6	29.6	99.9	100.0	7.7	7.8	7.8	7.8	7.8	7.8				6.4	8
						7.8	0.1	79	19.3		8.1	8.1	29.6	29.6	100.1	100.1	7.8	7.8								6.4	7
SR1A	Misty	Calm	12:14	5.0	Surface	1.0	0.1	10	19.3	19.3	8.1	8.1	29.6	29.6	97.4	97.5	7.5	7.5	7.5	3.1	2.8	3	4	819975	812665		
						1.0	0.1	13	19.3		8.1	8.1	29.6	29.6	97.5	97.5	7.5	7.5			2.7	3					
					Middle	2.5	0.0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						2.5	0.0	4	-		-	-	-	-	-	-	-	-								-	-
					Bottom	4.0	0.0	9	19.3	19.3	8.1	8.1	29.6	29.6	97.5	97.5	7.6	7.6	7.6	7.6	7.6	7.6				3.4	5
						4.0	0.1	2	19.3		8.1	8.1	29.6	29.6	97.5	97.5	7.6	7.6								3.5	6
SR2	Misty	Calm	12:32	5.0	Surface	1.0	0.2	62	19.3	19.3	8.1	8.1	29.6	29.6	101.3	101.4	7.8	7.8	7.9	3.0	2.9	6	5	821477	814164		
						1.0	0.2	55	19.3		8.1	8.1	29.7	29.6	101.4	101.4	7.9	7.9			2.8	5					
					Middle	-	0.2	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	0.2	53	-		-	-	-	-	-	-	-	-								-	-
					Bottom	4.0	0.1	50	19.2	19.3	8.1	8.1	29.6	29.6	101.9	102.1	7.9	7.9	7.9	7.9	7.9	7.9				3.1	4
						4.0	0.1	48	19.3		8.1	8.1	29.6	29.6	102.2	102.1	7.9	7.9								3.2	4
SR3	Cloudy	Moderate	12:08	8.2	Surface	1.0	0.1	79	18.8	18.8	7.7	7.7	29.6	29.6	97.4	97.4	7.6	7.6	7.6	7.4	5.1	3	3	822137	807557		
						1.0	0.2	78	18.8		7.7	7.7	29.7	29.6	97.3	97.3	7.6	7.6			5.5	3					
					Middle	4.1	0.1	78	18.7	18.7	7.7	7.7	30.3	30.3	97.0	97.0	7.6	7.6	7.6	7.6	7.6	7.6				8.0	3
						4.1	0.1	79	18.7		7.7	7.7	30.3	30.3	97.0	97.0	7.6	7.6								8.1	3
					Bottom	7.2	0.1	97	18.7	18.7	7.7	7.7	30.3	30.3	97.0	97.0	7.6	7.6	7.6	7.6	7.6	7.6				8.9	3
						7.2	0.1	93	18.7		7.7	7.7	30.3	30.3	97.0	97.0	7.6	7.6								8.9	4
SR4A	Cloudy	Moderate	13:32	8.5	Surface	1.0	0.0	1	18.7	18.7	8.0	8.0	30.8	30.8	98.1	98.1	7.6	7.6	7.6	8.4	7.8	3	3	817181	807807		
						1.0	0.0	1	18.7		8.0	8.0	30.8	30.8	98.1	98.1	7.6	7.6			8.0	3					
					Middle	4.3	0.0	25	18.6	18.6	8.0	8.0	30.8	30.8	97.9	97.9	7.6	7.6	7.6	7.6	7.6	7.6				8.6	3
						4.3	0.0	28	18.6		8.0	8.0	30.8	30.8	97.9	97.9	7.6	7.6								8.6	4
					Bottom	7.5	0.0	3	18.6	18.6	8.0	8.0	30.9	30.9	97.8	97.8	7.6	7.6	7.6	7.6	7.6	7.6				8.8	4
						7.5	0.0	7	18.6		8.0	8.0	30.9	30.9	97.8	97.8	7.6	7.6								8.7	3
SR8	Misty	Calm	12:05	5.2	Surface	1.0	-	-	19.3	19.3	8.1	8.1	29.5	29.5	99.4	99.5	7.7	7.7	7.7	2.9	2.7	2	4	820413	811605		
						1.0	-	-	19.3		8.1	8.1	29.5	29.5	99.5	99.5	7.7	7.7			2.8	3					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-
						-	-	-	-		-	-	-	-	-	-	-	-								-	-
					Bottom	4.2	-	-	19.2	19.2	8.1	8.1	29.5	29.5	100.5	100.7	7.8	7.8	7.8	7.8	7.8	7.8				3.1	5
						4.2	-	-	19.2		8.1	8.1	29.5	29.5	100.9	100.9	7.8	7.8								3.1	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 07 March 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	Cloudy	Moderate	07:42	8.6	Surface	1.0	0.3	20	18.5	18.5	7.9	7.9	31.1	31.1	96.7	96.7	7.5	7.5	7.8	9.7	4	4	815606	804225		
						1.0	0.3	17	18.5		7.9		31.1		96.6		7.5		8.3		4					
					Middle	4.3	0.3	51	18.4	18.4	7.9	7.9	31.1	31.1	96.8	96.9	7.5	7.6	9.3	10.0	4	3			4	3
						4.3	0.2	53	18.4		7.9		31.1		96.9		7.6		11.6		3					
					Bottom	7.6	0.4	10	18.4	18.4	7.9	7.9	31.0	31.0	97.7	97.9	7.6	7.6	11.1	11.1	3	3			4	3
						7.6	0.3	9	18.4		7.9		31.0		98.0		7.6		11.1		3					
C2	Cloudy	Moderate	09:04	10.6	Surface	1.0	0.3	357	19.1	19.1	7.8	7.8	28.7	28.7	99.0	99.0	7.7	7.7	1.9	6.3	3	4	825678	806923		
						1.0	0.3	355	19.1		7.8		28.7		99.0		7.7		1.8		4					
					Middle	5.3	0.3	9	18.7	18.7	7.9	7.9	29.7	29.8	97.6	97.6	7.6	7.6	6.3	6.9	4	2			5	6
						5.3	0.3	11	18.7		7.9		29.8		97.5		7.6		10.3		3					
					Bottom	9.6	0.3	341	18.6	18.6	7.9	7.9	30.2	30.2	100.2	100.2	7.8	7.8	10.3	10.3	3	3			4	3
						9.6	0.3	334	18.6		7.9		30.2		100.2		7.8		10.3		3					
C3	Misty	Calm	08:23	11.0	Surface	1.0	0.4	262	19.6	19.6	8.0	8.0	29.8	29.8	103.4	103.4	8.0	8.0	2.1	3.1	3	3	822100	817826		
						1.0	0.5	256	19.6		8.0		29.8		103.3		8.0		2.1		4					
					Middle	5.5	0.4	263	19.8	19.8	8.0	8.0	29.8	29.8	103.3	103.3	8.0	8.0	3.2	3.2	3	3			3	3
						5.5	0.4	257	19.8		8.0		29.8		103.2		8.0		3.9		3					
					Bottom	10.0	0.4	273	19.8	19.8	8.0	8.0	29.8	29.8	103.1	103.1	7.9	7.9	4.0	4.0	3	3			4	3
						10.0	0.4	274	19.8		8.0		29.8		103.1		7.9		4.0		3					
IM1	Cloudy	Moderate	08:02	6.3	Surface	1.0	0.3	5	18.5	18.5	8.0	8.0	31.1	31.1	98.6	98.7	7.7	7.7	7.9	8.9	4	4	818365	806473		
						1.0	0.3	10	18.5		8.0		31.1		98.7		7.7		8.0		4					
					Middle	3.2	0.3	21	18.5	18.5	8.0	8.0	31.1	31.1	99.3	99.4	7.7	7.8	8.3	8.5	4	3			4	3
						3.2	0.3	20	18.5		8.0		31.1		99.5		7.8		10.5		4					
					Bottom	5.3	0.2	12	18.4	18.4	8.0	8.0	31.2	31.2	101.3	101.5	7.9	7.9	10.5	10.5	3	3			4	3
						5.3	0.2	11	18.3		8.0		31.2		101.7		7.9		10.5		3					
IM2	Cloudy	Moderate	08:06	6.9	Surface	1.0	0.2	7	18.5	18.5	8.0	8.0	31.1	31.1	98.7	98.8	7.7	7.7	9.6	11.3	3	4	819171	806218		
						1.0	0.2	359	18.5		8.0		31.1		98.9		7.7		9.9		2					
					Middle	3.5	0.2	359	18.5	18.5	8.0	8.0	31.1	31.1	99.4	99.5	7.7	7.8	11.5	11.8	4	3			4	3
						3.5	0.3	355	18.5		8.0		31.1		99.5		7.8		12.3		4					
					Bottom	5.9	0.2	20	18.5	18.5	8.0	8.0	31.1	31.1	99.9	100.0	7.8	7.8	12.7	12.7	5	5			4	3
						5.9	0.3	23	18.5		8.0		31.1		100.1		7.8		12.7		5					
IM7	Cloudy	Moderate	08:27	8.6	Surface	1.0	0.2	353	18.8	18.8	8.0	8.0	29.7	29.7	98.6	98.6	7.7	7.7	4.5	5.9	4	4	821344	806811		
						1.0	0.2	349	18.8		8.0		29.7		98.6		7.7		4.6		5					
					Middle	4.3	0.2	1	18.6	18.6	8.1	8.1	30.4	30.4	99.4	99.5	7.8	7.8	6.5	6.6	4	2			3	3
						4.3	0.2	1	18.6		8.1		30.4		99.5		7.8		6.7		3					
					Bottom	7.6	0.2	19	18.6	18.6	8.1	8.1	30.4	30.4	99.9	100.0	7.8	7.8	6.8	6.8	3	3			4	3
						7.6	0.2	24	18.6		8.1		30.4		100.0		7.8		6.8		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 07 March 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	09:29	10.0	Surface	1.0	0.2	285	19.8	19.8	8.1	8.1	29.9	29.9	103.8	103.9	8.0	8.0	5.1	3	822246	809861	4	
						1.0	0.2	286	19.8		8.1	8.1	29.9	29.9	103.9	103.9	8.0						4	
					Middle	5.0	0.3	292	19.8	8.1	8.1	29.9	29.9	103.9	103.9	8.0	4							
						5.0	0.2	293	19.8	8.1	8.1	29.9	29.9	103.9	103.9	8.0	2							
					Bottom	9.0	0.3	318	19.8	8.1	8.1	29.8	29.8	104.2	104.3	8.0	4							
						9.0	0.3	311	19.8	8.0	8.1	29.8	29.8	104.3	104.3	8.0	2							
IM11	Misty	Calm	09:22	7.4	Surface	1.0	0.3	284	19.8	19.8	8.0	8.0	30.0	30.0	103.9	103.9	8.0	8.0	4.1	4	821499	810523	3	
						1.0	0.3	276	19.8		8.1	8.1	30.0	30.0	103.8	103.8	8.0						4	
					Middle	3.7	0.3	265	19.8	8.1	8.1	30.0	30.0	103.8	103.8	8.0	3							
						3.7	0.4	258	19.8	8.1	8.1	30.0	30.0	103.7	103.7	8.0	4							
					Bottom	6.4	0.4	277	19.8	8.1	8.1	29.9	29.9	103.7	103.7	8.0	4							
						6.4	0.4	284	19.8	8.1	8.1	29.9	29.9	103.6	103.6	8.0	5							
IM12	Misty	Calm	09:17	8.2	Surface	1.0	0.3	275	19.8	19.8	8.0	8.0	29.9	29.9	103.3	103.3	8.0	8.0	4.3	4	821169	811500	4	
						1.0	0.3	272	19.8		8.0	8.0	29.9	29.9	103.3	103.3	8.0						3	
					Middle	4.1	0.3	271	19.8	8.0	8.0	29.9	29.9	103.3	103.3	8.0	3							
						4.1	0.3	272	19.8	8.1	8.1	29.9	29.9	103.3	103.3	8.0	4							
					Bottom	7.2	0.3	287	19.8	8.1	8.1	29.9	29.9	103.3	103.3	8.0	5							
						7.2	0.3	289	19.8	8.1	8.1	29.9	29.9	103.3	103.3	8.0	4							
SR1A	Misty	Calm	08:57	5.0	Surface	1.0	0.0	214	19.7	19.7	8.1	8.1	29.9	29.9	100.6	100.6	7.8	7.8	2.3	4	819981	812664	6	
						1.0	0.0	206	19.7		8.1	8.1	29.9	29.9	100.6	100.6	7.8						5	
					Middle	2.5	0.1	208	-	-	-	-	-	-	-	-	-							
						2.5	0.1	214	-	-	-	-	-	-	-	-	-							
					Bottom	4.0	0.0	223	19.7	8.1	8.1	29.9	29.9	100.7	100.9	7.8	3							
						4.0	0.1	226	19.7	8.1	8.1	29.9	29.9	101.1	101.1	7.8	2							
SR2	Misty	Calm	08:43	4.8	Surface	1.0	0.0	247	19.8	19.8	8.0	8.0	29.9	29.9	103.4	103.4	8.0	8.0	4.7	4	821478	814168	4	
						1.0	0.0	244	19.8		8.0	8.0	29.9	29.9	103.4	103.4	8.0						3	
					Middle	-	0.0	243	-	-	-	-	-	-	-	-	-							
						-	0.1	246	-	-	-	-	-	-	-	-	-							
					Bottom	3.8	0.1	269	19.6	8.0	8.0	29.9	29.9	103.5	103.6	8.0	4							
						3.8	0.1	265	19.6	8.0	8.0	29.9	29.9	103.6	103.6	8.0	4							
SR3	Cloudy	Moderate	08:34	9.2	Surface	1.0	0.3	350	18.8	18.8	7.9	7.9	29.2	29.3	98.2	98.2	7.7	7.7	6.9	4	822144	807550	4	
						1.0	0.3	353	18.8		7.9	7.9	29.3	29.3	98.1	98.1	7.7						4	
					Middle	4.6	0.4	359	18.7	7.9	7.9	30.2	30.2	97.7	97.7	7.6	4							
						4.6	0.4	5	18.7	7.9	7.9	30.2	30.2	97.7	97.7	7.6	4							
					Bottom	8.2	0.3	6	18.6	7.9	7.9	30.3	30.3	97.7	97.7	7.6	5							
						8.2	0.4	3	18.6	7.9	7.9	30.3	30.3	97.7	97.7	7.6	4							
SR4A	Cloudy	Moderate	07:17	8.0	Surface	1.0	0.0	220	18.5	18.5	8.0	8.0	30.5	30.5	96.4	96.4	7.5	7.5	8.0	4	817173	807823	3	
						1.0	0.0	225	18.5		8.0	8.0	30.5	30.5	96.4	96.4	7.5						4	
					Middle	4.0	0.0	200	18.5	7.9	7.9	30.5	30.5	96.3	96.3	7.5	3							
						4.0	0.0	196	18.5	7.9	7.9	30.5	30.5	96.3	96.3	7.5	4							
					Bottom	7.0	0.1	199	18.5	7.9	7.9	30.5	30.5	96.2	96.2	7.5	4							
						7.0	0.1	199	18.5	7.9	7.9	30.5	30.5	96.2	96.2	7.5	4							
SR8	Misty	Calm	09:14	5.0	Surface	1.0	-	-	19.8	19.8	8.1	8.1	29.9	29.9	102.9	102.9	7.9	7.9	3.6	5	820371	811636	6	
						1.0	-	-	19.8		8.1	8.1	29.9	29.9	102.9	102.9	7.9						5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.0	-	-	19.7	8.1	8.1	29.9	29.9	102.8	102.8	7.9	4							
						4.0	-	-	19.7	8.1	8.1	29.9	29.9	102.8	102.8	7.9	3							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)									
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA											
C1	Misty	Moderate	13:48	8.4	Surface	1.0	0.2	194	19.7	19.8	8.2	8.2	30.1	30.1	99.8	99.8	7.6	7.6	7.6	6.8	3.3	4	4	815619	804253								
						1.0	0.2	186	19.8		8.2		30.1		99.8		7.6				3.3												
					Middle	4.2	0.2	204	19.2	19.2	8.1	8.1	30.9	31.0	97.7	97.7	7.5	7.5	7.5	7.5	7.5	7.5	7.5			7.5	4	4					
						4.2	0.1	208	19.2		8.1		31.0		97.7		7.5												7.2				
					Bottom	7.4	0.2	196	19.1	19.2	8.1	8.1	31.0	31.0	98.1	98.2	98.2	98.2	7.6	7.6	7.6	7.6	7.6			7.6	9.5	3					
						7.4	0.2	200	19.2		8.1		31.0		98.2		7.6		9.9														
					C2	Misty	Moderate	12:31	11.2	Surface	1.0	0.1	21	19.9	19.9	8.1	8.1	28.2	28.3	93.7	93.7	7.2	7.2			7.2	7.2	6.0	4.1	4	4	825687	806923
											1.0	0.1	20	19.9		8.1		28.3		93.6		7.2							4.1				
Middle	5.6	0.0	44	19.8						19.8	8.1	8.1	28.5	28.5	93.4	93.4	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	4.4	3							
	5.6	0.1	38	19.8							8.2		28.5		93.4		7.2		4.2														
Bottom	10.2	0.0	48	19.8						19.8	8.1	8.1	28.6	28.5	93.6	93.7	93.7	93.7	7.2	7.2	7.2	7.2	7.2	7.2	9.6	3							
	10.2	0.0	52	19.8							8.1		28.5		93.8		7.2		9.9														
C3	Misty	Moderate	13:36	9.0						Surface	1.0	0.4	85	19.1	19.1	7.7	7.7	30.7	30.8	92.3	92.3	7.1	7.1	7.1	7.1	4.6	3.6	5	6	822098	817781		
											1.0	0.3	84	19.1		7.7		30.8		92.2		7.1					3.5						
					Middle	4.5	0.3	70	19.0	19.0	7.6	7.6	30.9	30.9	92.1	92.1	92.1	92.1	7.1	7.1	7.1	7.1	7.1	7.1	4.8	3							
						4.5	0.3	66	19.0		7.6		30.9		92.1		7.1		4.8														
					Bottom	8.0	0.3	70	19.0	19.0	7.6	7.6	30.9	30.9	92.3	92.4	92.4	92.4	7.1	7.1	7.1	7.1	7.1	7.1	5.6	3							
						8.0	0.3	72	19.0		7.6		30.9		92.4		7.1		5.6														
					IM1	Misty	Moderate	13:31	6.4	Surface	1.0	0.1	177	19.7	19.7	8.1	8.1	30.1	30.2	98.2	98.1	7.5	7.5	7.5	7.5	7.8	5.7	5	4			818349	806452
											1.0	0.1	172	19.6		8.1		30.2		98.0		7.5					6.1						
Middle	3.2	0.1	171	19.3						19.3	8.1	8.1	30.5	30.5	97.3	97.3	97.3	97.3	7.5	7.5	7.5	7.5	7.5	7.5	8.2	4							
	3.2	0.1	172	19.3							8.1		30.5		97.3		7.5		8.3														
Bottom	5.4	0.1	176	19.3						19.3	8.1	8.1	30.6	30.6	97.5	97.5	97.5	97.5	7.5	7.5	7.5	7.5	7.5	7.5	9.3	4							
	5.4	0.1	182	19.3							8.1		30.6		97.5		7.5		9.5														
IM2	Misty	Moderate	13:27	6.9						Surface	1.0	0.0	180	19.7	19.7	8.2	8.2	30.1	30.1	98.3	98.2	7.5	7.5	7.5	7.5	7.9	5.7	5	4	819175	806230		
											1.0	0.1	173	19.7		8.2		30.1		98.1		7.5					6.0						
					Middle	3.5	0.1	157	19.4	19.4	8.1	8.1	30.3	30.3	96.8	96.9	96.9	96.9	7.5	7.5	7.5	7.5	7.5	7.5	7.7	4							
						3.5	0.1	150	19.4		8.1		30.3		96.9		7.5		7.7														
					Bottom	5.9	0.1	177	19.3	19.3	8.1	8.1	30.4	30.4	97.0	97.1	97.1	97.1	7.5	7.5	7.5	7.5	7.5	7.5	9.6	5							
						5.9	0.0	178	19.3		8.1		30.4		97.1		7.5		10.6														
					IM7	Misty	Moderate	13:04	8.3	Surface	1.0	0.2	64	19.8	19.8	8.1	8.1	29.5	29.5	95.7	95.8	7.3	7.3	7.3	7.4	8.0	7.6	4	4			821332	806821
											1.0	0.2	70	19.8		8.1		29.5		95.8		7.3					8.0						
Middle	4.2	0.1	74	19.8						19.8	8.1	8.0	29.6	29.6	96.2	96.2	96.2	96.2	7.4	7.4	7.4	7.4	7.4	7.4	9.1	5							
	4.2	0.1	78	19.8							8.0		29.6		96.2		7.4		9.2														
Bottom	7.3	0.2	52	19.8						19.8	8.0	8.0	29.6	29.6	96.6	96.7	96.7	96.7	7.4	7.4	7.4	7.4	7.4	7.4	7.2	6							
	7.3	0.1	50	19.8							8.0		29.6		96.7		7.4		7.0														

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA						
IM10	Misty	Moderate	12:33	9.6	Surface	1.0	0.1	56	19.4	19.5	7.7	7.7	28.8	28.9	94.7	94.7	7.3	7.3	6.0	7.2	3	4	822234	809842		
						1.0	0.0	62	19.5		7.7	7.7	28.9	28.9	94.7	94.7	7.3		6.1		4					
					Middle	4.8	0.1	46	19.5	19.5	7.7	7.7	29.3	29.3	95.0	95.1	7.3	7.4	7.4	5	7.4				4	
						4.8	0.1	44	19.5		7.7	7.7	29.3	29.3	95.1	95.1	7.3		7.4	4						
					Bottom	8.6	0.0	50	19.5	19.5	7.7	7.7	29.2	29.1	95.3	95.4	7.4	7.4	7.4	8.0	4				7.4	4
						8.6	0.0	45	19.5		7.7	7.7	29.0	29.1	95.4	95.4	7.4	7.4	8.0	5						
IM11	Misty	Moderate	12:42	6.4	Surface	1.0	0.1	76	19.3	19.3	7.8	7.8	28.9	28.9	95.3	95.3	7.4	7.4	2.9	3.8	3	3	821503	810559		
						1.0	0.1	74	19.3		7.8	7.8	28.9	28.9	95.3	95.3	7.4		2.8		4					
					Middle	3.2	0.1	86	19.3	19.3	7.8	7.8	29.0	29.0	95.6	95.7	7.4	7.4	3.8	3.8	4					
						3.2	0.2	86	19.3		7.8	7.8	29.0	29.0	95.7	95.7	7.4		3.8		3					
					Bottom	5.4	0.1	69	19.3	19.3	7.8	7.8	29.3	29.3	97.5	99.1	7.6	7.7	4.8	7.7	4.8				3.8	3
						5.4	0.2	71	19.3		7.8	7.8	29.3	29.3	100.7	99.1	7.8	7.7	4.8		3					
IM12	Misty	Moderate	12:48	7.8	Surface	1.0	0.2	90	19.7	19.7	7.7	7.7	28.8	28.8	95.7	95.8	7.4	7.4	3.9	4.6	2	4	821171	811530		
						1.0	0.1	84	19.7		7.7	7.7	28.8	28.8	95.8	95.8	7.4		4.0		3					
					Middle	3.9	0.1	83	19.6	19.6	7.7	7.7	29.2	29.2	96.5	96.6	7.4	7.4	4.4	4.6	4					
						3.9	0.1	76	19.6		7.7	7.7	29.2	29.2	96.6	96.6	7.5		4.4		4					
					Bottom	6.8	0.2	88	19.4	19.4	7.7	7.7	29.7	29.6	98.9	99.0	7.6	7.7	5.4	7.7	5.4				4.6	4
						6.8	0.2	81	19.4		7.7	7.7	29.6	29.6	99.1	99.0	7.7	7.7	5.3		4					
SR1A	Misty	Moderate	13:03	5.6	Surface	1.0	0.0	45	19.5	19.5	7.7	7.7	29.8	29.8	93.9	93.9	7.2	7.2	5.8	6.0	4	5	819977	812656		
						1.0	0.1	43	19.5		7.7	7.7	29.8	29.8	93.8	93.8	7.2		5.8		5					
					Middle	2.8	0.0	26	-	-	-	-	-	-	-	-	-	-	6.0	-	6.0				-	
						2.8	0.1	20	-		-	-	-	-	-	-	-			-					-	-
					Bottom	4.6	0.0	52	19.4	19.4	7.7	7.7	29.8	29.8	93.8	93.9	7.2	7.2	6.2	7.2	6.2				6.0	6
						4.6	0.1	45	19.4		7.7	7.7	29.8	29.8	93.9	93.9	7.2	7.2	6.3		6					
SR2	Misty	Moderate	13:20	5.0	Surface	1.0	0.2	64	19.9	19.9	7.7	7.7	29.7	29.7	96.4	96.4	7.4	7.4	2.0	3.0	5	5	821451	814166		
						1.0	0.2	71	19.9		7.7	7.7	29.7	29.7	96.4	96.4	7.4		2.1		5					
					Middle	-	0.2	42	-	-	-	-	-	-	-	-	-	-	3.0	-	3.0				-	
						-	0.2	45	-		-	-	-	-	-	-	-			-					-	
					Bottom	4.0	0.2	25	19.4	19.4	7.7	7.7	30.0	30.0	96.0	95.7	7.4	7.4	4.0	7.4	4.0				3.0	6
						4.0	0.2	21	19.4		7.7	7.7	30.0	30.0	95.4	95.7	7.3	7.4	4.0		5					
SR3	Misty	Moderate	12:58	8.4	Surface	1.0	0.1	77	19.9	19.9	8.1	8.1	28.3	28.4	94.9	94.9	7.3	7.3	5.7	7.0	4	4	822140	807580		
						1.0	0.1	69	19.9		8.1	8.1	28.4	28.4	94.9	94.9	7.3		5.8		3					
					Middle	4.2	0.1	96	19.8	19.8	8.1	8.1	28.6	28.6	95.3	95.3	7.3	7.3	7.0	7.0	4					
						4.2	0.1	97	19.8		8.1	8.1	28.7	28.7	95.3	95.3	7.3		7.1		3					
					Bottom	7.4	0.0	96	19.8	19.8	8.0	8.0	29.4	29.3	96.1	96.2	7.4	7.4	8.1	7.4	8.1				7.0	5
						7.4	0.0	101	19.8		8.0	8.0	29.3	29.3	96.2	96.2	7.4	7.4	8.2		5					
SR4A	Misty	Moderate	14:12	8.4	Surface	1.0	0.0	63	19.8	19.8	8.1	8.1	30.0	30.0	97.4	97.4	7.4	7.4	7.0	7.9	4	5	817195	807816		
						1.0	0.0	60	19.8		8.1	8.1	30.0	30.0	97.3	97.3	7.4		7.4		7.1				3	
					Middle	4.2	0.0	84	19.7	19.7	8.1	8.1	30.0	30.0	97.3	97.3	7.4	7.4	8.2	7.9	5					
						4.2	-	79	19.7		8.1	8.1	30.0	30.0	97.3	97.3	7.5		7.4		8.7				4	
					Bottom	7.4	0.1	70	19.8	19.8	8.1	8.1	30.0	30.0	97.6	97.6	7.5	7.5	8.2	7.5	8.2				7.9	5
						7.4	0.1	76	19.8		8.1	8.1	30.0	30.0	97.6	97.6	7.5	7.5	8.0		6					
SR8	Misty	Moderate	12:54	5.4	Surface	1.0	-	-	19.5	19.5	7.7	7.7	29.7	29.6	95.8	95.9	7.4	7.4	4.6	4.6	4	4	820373	811616		
						1.0	-	-	19.5		7.7	7.7	29.6	29.6	95.9	95.9	7.4		7.4		4.6				4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	-	4.6				-	
						-	-	-	-		-	-	-	-	-	-	-			-					-	
					Bottom	4.4	-	-	19.8	19.9	7.7	7.7	29.4	29.4	97.1	98.8	7.5	7.6	4.6	7.6	4.6				4.6	4
						4.4	-	-	19.9		7.7	7.7	29.4	29.4	100.5	98.8	7.7	7.6	4.6		4					

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 March 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	08:54	8.5	Surface	1.0	0.4	39	19.4	19.4	8.1	8.1	30.1	30.1	96.9	96.9	7.5	7.5	7.6	7.5	4	3	815635	804234						
						1.0	0.4	43	19.4		8.1		30.2		96.8		7.5		7.9		5									
					Middle	4.3	0.3	28	19.3	19.3	8.0	8.0	30.3	30.3	96.6	96.7	7.4	7.4	7.4	7.4	9.6	10.0			3	3				
						4.3	0.3	34	19.3		8.0		30.3		96.7		7.4		10.0		3									
					Bottom	7.5	0.4	49	19.4	19.4	8.0	8.0	30.3	30.3	96.8	96.8	7.5	7.5	7.5	7.5	12.9	10.0			3	3				
						7.5	0.4	55	19.4		8.0		30.3		96.8		7.4		12.2		2									
					C2	Misty	Moderate	10:03	11.9	Surface	1.0	0.4	346	19.9	19.9	8.1	8.1	28.3	28.3	94.1	94.1	7.3			7.3	4.8	7.3	3	825697	806965
											1.0	0.4	349	19.9		8.1		28.4		94.1		7.3				5.0		2		
Middle	6.0	0.4	10	19.8						19.8	8.0	8.0	28.8	28.8	94.3	94.4	7.3	7.3	6.3	7.3	6.7	7.3	3	3						
	6.0	0.4	17	19.8							8.0		28.8		94.4		7.3		6.7		4									
Bottom	10.9	0.4	18	19.8						19.8	8.0	8.0	28.8	28.8	95.0	95.1	7.3	7.3	9.5	7.3	9.5	7.3	3	3						
	10.9	0.4	15	19.8							8.0		28.8		95.2		7.3		9.3		4									
C3	Misty	Moderate	09:01	12.0						Surface	1.0	0.5	276	18.9	18.9	7.7	7.7	30.7	30.7	91.2	91.2	7.1	7.1	4.8	7.1	7	822125	817812		
											1.0	0.4	278	18.9		7.7		30.7		91.1		7.1		4.7		6				
					Middle	6.0	0.5	281	18.9	18.9	7.7	7.7	30.7	30.7	90.9	90.9	7.0	7.0	5.0	7.0	5.1	7.0	6	6						
						6.0	0.5	277	18.9		7.7		30.7		90.9		7.0		5.1		5									
					Bottom	11.0	0.5	251	18.9	18.9	7.7	7.7	30.6	30.6	91.1	91.1	7.1	7.1	6.2	7.1	6.2	7.1	5	5						
						11.0	0.5	247	18.9		7.7		30.6		91.1		7.1		6.2		5									
					IM1	Misty	Moderate	09:14	6.4	Surface	1.0	0.3	6	19.5	19.5	8.1	8.1	30.1	30.1	96.9	96.9	7.4	7.4	6.1	7.4	3			818366	806481
											1.0	0.2	11	19.5		8.1		30.1		96.8		7.4		5.8		3				
Middle	3.2	0.3	18	19.4						19.4	8.1	8.1	30.1	30.1	96.3	96.3	7.4	7.4	9.9	7.4	9.4	7.4	3	3						
	3.2	0.3	12	19.4							8.1		30.1		96.3		7.4		9.4		3									
Bottom	5.4	0.3	35	19.4						19.4	8.1	8.0	30.1	30.1	96.4	96.5	7.4	7.4	11.5	7.4	11.5	7.4	4	3						
	5.4	0.3	32	19.4							8.0		30.1		96.5		7.4		11.1		3									
IM2	Misty	Moderate	09:18	6.6						Surface	1.0	0.3	8	19.5	19.5	8.1	8.1	30.0	30.0	97.2	97.2	7.5	7.5	10.1	7.5	4	819168	806223		
											1.0	0.3	9	19.5		8.1		30.0		97.1		7.5		10.5		4				
					Middle	3.3	0.3	29	19.5	19.5	8.1	8.0	30.1	30.1	97.2	97.2	7.5	7.5	11.5	7.5	11.6	7.5	3	4						
						3.3	0.2	23	19.5		8.0		30.1		97.2		7.5		11.6		3									
					Bottom	5.6	0.3	350	19.5	19.5	8.0	8.0	30.1	30.1	97.4	97.5	7.5	7.5	11.8	7.5	11.8	7.5	2	4						
						5.6	0.2	351	19.5		8.0		30.1		97.5		7.5		11.9		4									
					IM7	Misty	Moderate	09:39	7.8	Surface	1.0	0.3	10	19.8	19.8	8.1	8.1	29.1	29.1	95.1	95.1	7.3	7.3	5.7	7.3	2			821330	806823
											1.0	0.3	11	19.8		8.1		29.1		95.1		7.3		6.0		3				
Middle	3.9	0.3	14	19.8						19.8	8.1	8.1	29.6	29.6	95.0	95.0	7.3	7.3	8.0	7.3	8.0	7.3	4	3						
	3.9	0.3	15	19.8							8.1		29.6		95.0		7.3		8.0		4									
Bottom	6.8	0.3	358	19.8						19.8	8.0	8.0	29.5	29.5	95.7	95.8	7.3	7.4	8.1	7.4	8.1	7.4	3	4						
	6.8	0.2	356	19.8							8.0		29.5		95.8		7.4		8.2		4									

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Water Quality Monitoring

Water Quality Monitoring Results on 09 March 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Misty	Moderate	10:08	8.4	Surface	1.0	0.3	292	19.4	19.4	7.7	7.7	28.9	28.9	95.6	95.7	7.4	7.4	6.2	7	822239	809821		
						1.0	0.3	285	19.4		7.7	7.7	29.0	29.0	95.7	95.7	7.4							
					Middle	4.2	0.3	308	19.4	19.4	7.7	7.7	29.5	29.5	95.7	95.8	7.4							
						4.2	0.3	313	19.4		7.7	7.7	29.5	29.5	95.8	95.8	7.4							
					Bottom	7.4	0.3	314	19.6	19.6	7.7	7.7	29.7	29.7	96.3	96.7	7.4							
						7.4	0.3	309	19.6		7.7	7.7	29.7	29.7	97.0	97.0	7.5							
IM11	Misty	Moderate	10:01	7.4	Surface	1.0	0.4	295	19.4	19.4	7.7	7.7	29.5	29.5	96.0	96.0	7.4	7.4	4.4	7	821497	810552		
						1.0	0.3	300	19.4		7.7	7.7	29.6	29.6	96.0	96.0	7.4							
					Middle	3.7	0.4	267	19.3	19.3	7.7	7.7	29.7	29.7	96.2	96.3	7.4							
						3.7	0.3	264	19.3		7.7	7.7	29.8	29.8	96.4	96.4	7.5							
					Bottom	6.4	0.4	295	19.1	19.1	7.7	7.7	29.9	30.0	97.1	97.4	7.5							
						6.4	0.3	293	19.0		7.7	7.7	30.0	30.0	97.7	97.7	7.6							
IM12	Misty	Moderate	09:55	8.0	Surface	1.0	0.3	282	19.4	19.4	7.8	7.8	29.7	29.7	95.8	95.9	7.4	7.4	5.3	5	821171	811499		
						1.0	0.3	285	19.4		7.8	7.8	29.7	29.7	95.9	95.9	7.4							
					Middle	4.0	0.3	271	19.3	19.3	7.8	7.8	29.7	29.7	96.1	96.1	7.4							
						4.0	0.3	271	19.3		7.8	7.8	29.8	29.8	96.1	96.1	7.4							
					Bottom	7.0	0.4	305	19.3	19.3	7.8	7.8	29.7	29.7	96.6	96.7	7.5							
						7.0	0.3	301	19.3		7.8	7.8	29.7	29.7	96.8	96.8	7.5							
SR1A	Misty	Moderate	09:35	4.8	Surface	1.0	0.0	180	19.4	19.4	7.7	7.7	29.9	29.9	95.7	95.8	7.4	7.4	3.7	4	819976	812658		
						1.0	0.0	182	19.4		7.7	7.7	30.0	30.0	95.8	95.8	7.4							
					Middle	2.4	0.1	179	-	-	-	-	-	-	-	-	-							
						2.4	0.0	173	-		-	-	-	-	-	-	-							
					Bottom	3.8	0.0	209	19.3	19.3	7.7	7.7	30.0	30.0	95.9	96.2	7.4							
						3.8	0.0	215	19.3		7.7	7.7	30.0	30.0	96.5	96.5	7.5							
SR2	Misty	Moderate	09:21	5.0	Surface	1.0	0.1	255	19.6	19.6	7.7	7.7	29.7	29.7	98.4	98.6	7.6	7.6	3.0	4	821465	814183		
						1.0	0.1	261	19.6		7.7	7.7	29.7	29.7	98.7	98.7	7.6							
					Middle	-	0.0	231	-	-	-	-	-	-	-	-	-							
						-	0.0	238	-		-	-	-	-	-	-	-							
					Bottom	4.0	0.0	255	19.8	19.8	7.7	7.7	29.6	29.6	100.1	100.2	7.7							
						4.0	0.0	254	19.8		7.7	7.7	29.6	29.6	100.3	100.3	7.7							
SR3	Misty	Moderate	09:45	9.2	Surface	1.0	0.3	340	19.9	19.9	8.1	8.1	28.4	28.5	95.1	95.1	7.3	7.3	6.5	4	822157	807594		
						1.0	0.3	344	19.9		8.1	8.1	28.6	28.6	95.1	95.1	7.3							
					Middle	4.6	0.3	332	19.8	19.8	8.1	8.1	29.5	29.5	95.0	95.0	7.3							
						4.6	0.3	325	19.8		8.1	8.1	29.5	29.5	95.0	95.0	7.3							
					Bottom	8.2	0.3	333	19.8	19.8	8.1	8.1	29.6	29.6	95.1	95.1	7.3							
						8.2	0.3	332	19.8		8.1	8.1	29.6	29.6	95.1	95.1	7.3							
SR4A	Misty	Moderate	08:29	9.2	Surface	1.0	0.1	186	19.8	19.8	8.2	8.2	29.6	29.6	96.1	96.1	7.4	7.4	10.9	3	817185	807819		
						1.0	0.1	181	19.8		8.2	8.2	29.6	29.6	96.1	96.1	7.4							
					Middle	4.6	0.1	194	19.8	19.8	8.2	8.2	29.7	29.7	96.0	96.1	7.4							
						4.6	0.0	187	19.8		8.2	8.2	29.7	29.7	96.1	96.1	7.4							
					Bottom	8.2	0.0	163	19.8	19.8	8.2	8.2	29.7	29.7	96.3	96.3	7.4							
						8.2	0.0	167	19.8		8.2	8.2	29.7	29.7	96.3	96.3	7.4							
SR8	Misty	Moderate	09:50	5.8	Surface	1.0	-	-	19.8	19.8	7.7	7.7	29.6	29.6	97.8	97.8	7.5	7.5	3.9	5	820406	811631		
						1.0	-	-	19.7		7.7	7.7	29.6	29.6	97.8	97.8	7.5							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-		-	-	-	-	-	-	-							
					Bottom	4.8	-	-	19.3	19.4	7.7	7.7	29.6	29.6	98.5	98.6	7.6							
						4.8	-	-	19.4		7.7	7.7	29.6	29.6	98.6	98.6	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 11 March 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	15:46	7.9	Surface	1.0	0.4	213	19.5	19.5	8.1	8.1	31.6	31.6	102.9	102.9	7.5	7.5	8.5	10.8	14	14	815620	804239
						1.0	0.4	217	19.5		8.1	8.1	31.6	31.6	102.9	102.9	7.5		8.6					
					Middle	4.0	0.5	219	19.5	8.1	8.1	31.7	31.7	98.2	98.2	7.5	9.5	14						
						4.0	0.5	216	19.4	8.1	8.1	31.7	31.7	98.2	98.2	7.5	9.6	13						
					Bottom	6.9	0.4	223	19.3	8.1	8.1	32.2	32.2	98.2	98.2	7.5	14.2	13						
						6.9	0.3	219	19.3	8.1	8.1	32.2	32.2	98.2	98.2	7.5	14.3	14						
C2	Sunny	Moderate	13:38	8.8	Surface	1.0	0.1	162	20.1	20.1	8.0	8.0	28.7	28.7	95.0	95.0	7.3	7.3	3.9	10.0	7	10	825662	806939
						1.0	0.0	168	20.1		8.0	8.0	28.7	28.7	95.0	95.0	7.3		3.9		7			
					Middle	4.4	0.2	167	19.7	8.0	8.0	30.2	30.2	94.3	94.4	7.2	10.9	9						
						4.4	0.2	162	19.7	8.0	8.0	30.2	30.2	94.4	94.4	7.2	10.9	10						
					Bottom	7.8	0.1	169	19.5	8.0	8.0	30.7	30.7	93.9	93.9	7.2	15.2	13						
						7.8	0.1	169	19.5	8.0	8.0	30.7	30.7	93.9	93.9	7.2	15.2	14						
C3	Misty	Moderate	14:32	8.8	Surface	1.0	0.3	75	20.2	20.2	8.0	8.0	29.3	29.3	91.4	91.4	7.0	7.0	3.6	4.2	7	6	822091	817815
						1.0	0.3	81	20.2		8.0	8.0	29.3	29.3	91.4	91.4	7.0		3.6		8			
					Middle	4.4	0.3	96	20.2	8.0	8.0	29.3	29.3	91.4	91.4	7.0	4.0	6						
						4.4	0.4	91	20.2	8.0	8.0	29.3	29.3	91.4	91.4	7.0	4.1	5						
					Bottom	7.8	0.4	85	20.2	8.0	8.0	29.3	29.3	91.5	91.5	7.0	5.1	5						
						7.8	0.3	82	20.2	8.0	8.0	29.2	29.2	91.5	91.5	7.0	5.2	4						
IM1	Sunny	Moderate	15:13	7.1	Surface	1.0	0.2	178	19.6	19.6	8.1	8.1	31.8	31.8	99.0	99.0	7.5	7.5	7.5	9.6	12	12	818370	806461
						1.0	0.2	170	19.6		8.1	8.1	31.8	31.8	99.0	99.0	7.5		7.6		12			
					Middle	3.6	0.2	171	19.4	8.1	8.1	32.0	32.0	98.3	98.3	7.5	9.3	13						
						3.6	0.2	171	19.4	8.1	8.1	32.0	32.0	98.3	98.3	7.5	9.6	12						
					Bottom	6.1	0.2	185	19.4	8.1	8.1	31.9	31.9	98.1	98.1	7.5	11.6	13						
						6.1	0.2	179	19.4	8.1	8.1	31.9	31.9	98.1	98.1	7.5	11.6	12						
IM2	Sunny	Moderate	14:54	7.3	Surface	1.0	0.2	178	19.4	19.4	8.1	8.1	31.6	31.6	97.0	97.0	7.4	7.4	12.9	14.0	10	11	819192	806236
						1.0	0.2	176	19.4		8.1	8.1	31.6	31.6	97.0	97.0	7.4		12.9		10			
					Middle	3.7	0.2	167	19.3	8.1	8.1	31.7	31.7	96.8	96.8	7.4	13.9	11						
						3.7	0.2	159	19.3	8.1	8.1	31.7	31.7	96.8	96.8	7.4	13.9	12						
					Bottom	6.3	0.2	173	19.3	8.1	8.1	31.7	31.7	96.9	96.9	7.4	15.2	12						
						6.3	0.3	166	19.3	8.1	8.1	31.7	31.7	96.9	96.9	7.4	15.3	12						
IM7	Sunny	Moderate	14:24	8.6	Surface	1.0	0.1	143	20.0	20.0	8.0	8.0	28.8	28.8	95.2	95.2	7.3	7.3	3.0	5.5	5	4	821338	806847
						1.0	0.2	135	20.0		8.0	8.0	28.8	28.8	95.2	95.2	7.3		2.9		4			
					Middle	4.3	0.1	147	19.6	8.0	8.0	30.5	30.5	93.9	93.9	7.2	6.5	4						
						4.3	0.2	146	19.6	8.0	8.0	30.5	30.5	93.9	93.9	7.2	6.5	4						
					Bottom	7.6	0.2	144	19.6	8.0	8.0	30.5	30.5	93.8	93.8	7.2	7.1	4						
						7.6	0.2	140	19.6	8.0	8.0	30.5	30.5	93.8	93.8	7.2	7.1	4						

DA: Depth-Averaged

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 March 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	Moderate	13:34	9.0	Surface	1.0	0.1	74	20.4	20.4	8.0	8.0	28.3	28.3	93.3	93.3	7.1	7.1	4.1	4.1	5	6	822230	809816								
						1.0	0.2	68	20.4	8.0	8.0	28.3	28.3	93.3	93.3	7.1	7.1	4.2	4.2	4												
					Middle	4.5	0.1	71	20.4	20.5	8.0	8.0	28.3	28.3	93.4	93.5	7.1	7.1	5.3	5.3	6				6							
						4.5	0.1	78	20.5	20.5	8.0	8.0	28.3	28.3	93.6	93.5	7.1	7.1	5.4	5.4	6				6							
					Bottom	8.0	0.2	93	20.5	20.6	8.0	7.9	28.2	28.2	93.8	93.8	7.2	7.2	6.2	6.2	7				7							
						8.0	0.2	99	20.6	20.6	7.9	7.9	28.1	28.1	93.7	93.8	7.2	7.2	6.1	6.1	6				6							
					IM11	Misty	Moderate	13:45	6.4	Surface	1.0	0.3	85	20.2	20.2	7.9	7.9	29.2	29.2	91.0	91.0				6.9	6.9	3.1	3.1	5	5	821502	810530
											1.0	0.3	81	20.2	20.2	7.9	7.9	29.2	29.2	90.9	91.0				6.9	6.9	3.2	3.2	4			
Middle	3.2	0.2	85	20.2						20.2	7.9	7.9	29.2	29.2	90.5	90.3	6.9	6.9	4.1	4.1	4	4										
	3.2	0.2	90	20.2						20.2	7.9	7.9	29.2	29.2	90.1	90.3	6.9	6.9	4.2	4.2	5	5										
Bottom	5.4	0.3	63	20.2						20.2	7.8	7.8	29.2	29.2	89.7	89.5	6.9	6.9	5.6	5.6	6	6										
	5.4	0.2	68	20.2						20.2	7.8	7.8	29.2	29.2	89.3	89.5	6.8	6.8	5.6	5.6	5	5										
IM12	Misty	Moderate	13:50	7.2						Surface	1.0	0.3	100	20.2	20.2	7.9	7.9	29.1	29.1	89.8	89.7	6.9	6.9	4.0	4.0	5	5	821156	811504			
											1.0	0.3	99	20.2	20.2	7.9	7.9	29.1	29.1	89.6	89.7	6.8	6.8	4.1	4.1	4						
					Middle	3.6	0.2	77	20.2	20.2	7.9	7.9	29.1	29.1	89.4	89.3	6.8	6.8	5.1	5.1	5	5										
						3.6	0.2	73	20.2	20.2	7.9	7.9	29.1	29.1	89.2	89.3	6.8	6.8	5.2	5.2	4	4										
					Bottom	6.2	0.3	82	20.2	20.2	7.8	7.8	29.1	29.1	88.8	88.5	6.8	6.8	6.8	6.8	6	6										
						6.2	0.3	80	20.2	20.2	7.8	7.8	29.1	29.1	88.2	88.5	6.7	6.7	6.8	6.8	5	5										
					SR1A	Misty	Moderate	14:05	5.0	Surface	1.0	0.0	97	20.3	20.3	8.0	8.0	29.1	29.1	91.9	91.9	7.0	7.0	6.4	6.4	5				4	819979	812657
											1.0	0.1	93	20.3	20.3	8.0	8.0	29.1	29.1	91.9	91.9	7.0	7.0	6.4	6.4	4						
Middle	2.5	0.0	112	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	2.5	0.1	105	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Bottom	4.0	0.0	76	20.3						20.3	8.0	7.9	29.1	29.1	91.7	91.7	7.0	7.0	7.1	7.1	4	4										
	4.0	-	70	20.3						20.3	7.9	7.9	29.2	29.1	91.6	91.7	7.0	7.0	7.0	7.0	3	3										
SR2	Misty	Moderate	14:21	5.8						Surface	1.0	0.3	50	20.2	20.2	8.0	8.0	29.2	29.2	90.9	90.9	6.9	6.9	4.4	4.4	4	3	821480	814176			
											1.0	0.2	55	20.2	20.2	8.0	8.0	29.2	29.2	90.8	90.9	6.9	6.9	4.4	4.4	3						
					Middle	-	0.2	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	0.2	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.8	0.2	35	20.2	20.2	8.0	8.0	29.3	29.3	90.7	90.6	6.9	6.9	5.1	5.1	3	3										
						4.8	0.2	42	20.2	20.2	8.0	8.0	29.3	29.3	90.4	90.6	6.9	6.9	5.1	5.1	3	3										
					SR3	Sunny	Moderate	14:10	8.9	Surface	1.0	0.2	141	20.1	20.1	8.0	8.0	28.6	28.6	95.6	95.6	7.3	7.3	2.5	2.5	3				4	822139	807571
											1.0	0.2	145	20.1	20.1	8.0	8.0	28.6	28.6	95.6	95.6	7.3	7.3	2.6	2.6	4						
Middle	4.5	0.2	159	19.7						19.7	8.0	8.0	29.9	29.9	94.5	94.5	7.2	7.2	5.5	5.5	4	4										
	4.5	0.2	165	19.7						19.7	8.0	8.0	29.9	29.9	94.5	94.5	7.2	7.2	5.6	5.6	4	4										
Bottom	7.9	0.1	154	19.6						19.6	8.0	8.0	30.5	30.5	94.2	94.3	7.2	7.2	7.6	7.6	5	5										
	7.9	0.1	157	19.6						19.6	8.0	8.0	30.5	30.5	94.3	94.3	7.2	7.2	7.6	7.6	4	4										
SR4A	Sunny	Calm	16:21	9.9						Surface	1.0	0.0	55	19.6	19.6	8.1	8.1	31.1	31.1	96.7	96.7	7.4	7.4	8.4	8.4	11	12	817167	807792			
											1.0	0.1	48	19.6	19.6	8.1	8.1	31.1	31.1	96.7	96.7	7.4	7.4	8.4	8.4	11						
					Middle	5.0	0.0	68	19.5	19.5	8.1	8.1	31.2	31.2	96.4	96.4	7.4	7.4	10.6	10.6	12	12										
						5.0	0.0	68	19.5	19.5	8.1	8.1	31.2	31.2	96.4	96.4	7.4	7.4	10.7	10.7	11	11										
					Bottom	8.9	0.0	46	19.5	19.5	8.1	8.1	31.2	31.2	96.6	96.6	7.4	7.4	11.9	11.9	13	13										
						8.9	0.0	41	19.5	19.5	8.1	8.1	31.2	31.2	96.6	96.6	7.4	7.4	11.9	11.9	14	14										
					SR8	Misty	Moderate	13:55	4.4	Surface	1.0	-	-	20.5	20.5	7.9	7.8	29.0	29.0	91.3	91.4	6.9	6.9	3.6	3.6	3				4	820410	811635
											1.0	-	-	20.5	20.5	7.8	7.8	29.0	29.0	91.4	91.4	6.9	6.9	3.6	3.6	4						
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Bottom	3.4	-	-	20.5						20.5	7.8	7.8	29.0	28.9	86.5	86.4	6.6	6.6	4.3	4.3	5	5										
	3.4	-	-	20.5						20.5	7.7	7.8	28.9	28.9	86.2	86.4	6.6	6.6	4.3	4.3	4	4										

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 11 March 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Rough	08:24	7.2	Surface	1.0	0.2	24	19.4	19.4	8.1	8.1	31.5	31.5	97.1	97.1	7.4	7.4	6.8	8.5	11	10	815596	804233
						1.0	0.2	25	19.4		8.1	8.1	31.5	31.5	97.1	97.1	7.4		6.9		10			
					Middle	3.6	0.2	39	19.3	19.3	8.1	8.1	31.6	31.6	96.9	96.9	7.4	7.4	8.3	9				
						3.6	0.2	31	19.3		8.1	8.1	31.6	31.6	96.9	96.9	7.4		8.4	10				
					Bottom	6.2	0.3	27	19.3	19.3	8.1	8.1	31.6	31.6	96.9	96.9	7.4	7.4	10.3	10				
						6.2	0.3	27	19.3		8.1	8.1	31.6	31.6	96.9	96.9	7.4		10.4	9				
C2	Fine	Rough	10:07	8.2	Surface	1.0	0.4	349	20.0	20.0	8.0	8.0	29.0	28.9	94.7	94.7	7.3	7.3	4.8	9.4	6	7	825664	806955
						1.0	0.4	353	20.0		8.0	8.0	28.9	28.9	94.7	94.7	7.3		4.8		6			
					Middle	4.1	0.4	7	19.7	19.7	8.0	8.0	30.1	30.1	94.5	94.5	7.2	7.3	10.8	6				
						4.1	0.4	9	19.7		8.0	8.0	30.1	30.1	94.5	94.5	7.2		10.8	7				
					Bottom	7.2	0.4	337	19.5	19.5	8.0	8.0	30.7	30.7	95.0	95.0	7.3	7.3	12.5	8				
						7.2	0.4	338	19.5		8.0	8.0	30.7	30.7	95.0	95.0	7.3		12.6	8				
C3	Misty	Moderate	09:13	11.0	Surface	1.0	0.5	269	19.7	19.7	8.0	8.0	30.4	30.4	89.9	89.9	6.9	6.9	2.7	3.5	9	8	822130	817820
						1.0	0.6	263	19.7		8.0	8.0	30.4	30.4	89.9	89.9	6.9		2.6		9			
					Middle	5.5	0.5	268	19.7	19.7	8.0	8.0	30.5	30.5	89.8	89.8	6.9	6.9	3.7		8			
						5.5	0.5	271	19.7		8.0	8.0	30.5	30.5	89.8	89.8	6.9		3.8		9			
					Bottom	10.0	0.5	281	19.8	19.8	7.9	7.9	30.4	30.4	90.0	90.1	6.9	6.9	4.3		6			
						10.0	0.5	282	19.8		7.9	7.9	30.4	30.4	90.1	90.1	6.9		4.1		7			
IM1	Fine	Moderate	08:52	6.8	Surface	1.0	0.1	9	19.5	19.5	8.1	8.1	31.5	31.5	97.1	97.1	7.4	7.4	8.4	10.6	24	29	818341	806463
						1.0	0.1	15	19.5		8.1	8.1	31.5	31.5	97.1	97.1	7.4		8.4		25			
					Middle	3.4	0.2	35	19.4	19.4	8.1	8.1	31.5	31.5	96.6	96.6	7.4	7.4	9.8		28			
						3.4	0.2	35	19.4		8.1	8.1	31.5	31.5	96.6	96.6	7.4		9.8		29			
					Bottom	5.8	0.2	13	19.4	19.4	8.1	8.1	31.4	31.4	96.3	96.4	7.4	7.4	13.6		33			
						5.8	0.2	9	19.4		8.1	8.1	31.4	31.4	96.4	96.4	7.4		13.6		32			
IM2	Fine	Moderate	09:05	6.9	Surface	1.0	0.1	333	19.5	19.5	8.1	8.1	31.2	31.2	96.3	96.3	7.4	7.4	12.9	14.5	16	20	819160	806228
						1.0	0.1	338	19.5		8.1	8.1	31.2	31.2	96.3	96.3	7.4		12.9		17			
					Middle	3.5	0.2	354	19.4	19.4	8.1	8.1	31.3	31.3	96.1	96.1	7.4	7.4	14.1		19			
						3.5	0.2	358	19.4		8.1	8.1	31.3	31.3	96.1	96.1	7.4		14.2		20			
					Bottom	5.9	0.2	339	19.4	19.4	8.1	8.1	31.4	31.4	96.3	96.3	7.4	7.4	16.6		24			
						5.9	0.1	336	19.4		8.1	8.1	31.4	31.4	96.3	96.3	7.4		16.6		25			
IM7	Fine	Moderate	09:24	7.6	Surface	1.0	0.2	339	19.9	19.9	8.0	8.0	29.0	29.0	94.6	94.6	7.3	7.3	3.6	7.6	6	9	821368	806836
						1.0	0.2	342	19.9		8.0	8.0	29.0	29.0	94.6	94.6	7.3		3.6		7			
					Middle	3.8	0.2	308	19.7	19.7	8.0	8.0	30.0	30.0	94.5	94.5	7.2	7.3	7.4		8			
						3.8	0.1	309	19.7		8.0	8.0	30.0	30.0	94.5	94.5	7.2		7.4		9			
					Bottom	6.6	0.2	346	19.6	19.6	8.0	8.0	30.4	30.4	94.6	94.7	7.3	7.3	11.7		11			
						6.6	0.2	345	19.6		8.0	8.0	30.4	30.4	94.7	94.7	7.3		11.7		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 11 March 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Misty	Moderate	10:21	8.2	Surface	1.0	0.4	278	20.3	20.3	7.9	7.9	28.5	28.5	91.1	91.0	7.0	7.0	7.0	4.2	9	822260	809849	
						1.0	0.4	271	20.3	7.9	7.9	28.5	28.5	90.9	90.3	6.9	6.9	3.3						3.3
					Middle	4.1	0.4	297	20.2	20.2	7.9	7.8	28.6	28.6	90.4	90.3	6.9	6.9	4.1	4.1				
						4.1	0.4	304	20.2	20.2	7.8	7.8	28.6	28.6	90.1	90.3	6.9	6.9	4.1	4.1				
					Bottom	7.2	0.4	286	20.2	20.2	7.8	7.8	28.5	28.5	89.6	89.5	6.9	6.9	5.2	5.2				
						7.2	0.3	285	20.2	20.2	7.8	7.8	28.4	28.5	89.4	89.5	6.9	6.9	5.2	5.2				
IM11	Misty	Moderate	10:11	8.0	Surface	1.0	0.4	286	20.2	20.2	7.9	7.9	29.1	29.1	90.1	90.1	6.9	6.9	6.9	4.3	7	821517	810555	
						1.0	0.4	282	20.2	20.2	7.9	7.9	29.1	29.1	90.0	90.1	6.9	6.9						3.8
					Middle	4.0	0.5	280	20.2	20.2	7.9	7.9	29.2	29.2	89.7	89.6	6.8	6.8	4.2	4.2				
						4.0	0.5	276	20.2	20.2	7.9	7.9	29.2	29.2	89.5	89.6	6.8	6.8	4.1	4.1				
					Bottom	7.0	0.4	265	20.2	20.3	7.8	7.8	29.2	29.2	89.3	89.2	6.8	6.8	5.1	5.1				
						7.0	0.4	258	20.3	20.3	7.8	7.8	29.2	29.2	89.1	89.2	6.8	6.8	5.0	5.0				
IM12	Misty	Moderate	10:06	7.4	Surface	1.0	0.5	273	20.3	20.3	7.9	7.9	29.0	29.0	88.5	88.3	6.8	6.7	6.7	5.3	6	821169	811509	
						1.0	0.5	271	20.3	20.3	7.9	7.9	28.9	29.0	88.1	88.3	6.7	6.7						4.3
					Middle	3.7	0.5	278	20.4	20.5	7.8	7.8	28.9	28.9	87.6	87.5	6.7	6.7	5.1	5.1				
						3.7	0.4	279	20.5	20.5	7.8	7.8	28.9	28.9	87.4	87.5	6.6	6.6	5.1	5.1				
					Bottom	6.4	0.4	305	20.6	20.7	7.8	7.9	28.7	28.7	86.4	86.2	6.6	6.6	6.4	6.4				
						6.4	0.5	298	20.7	20.7	7.9	7.9	28.7	28.7	86.0	86.0	6.5	6.5	6.4	6.4				
SR1A	Misty	Moderate	09:45	4.8	Surface	1.0	0.1	208	20.6	20.7	7.9	7.9	29.0	29.0	89.0	88.8	6.7	6.7	6.7	5.7	5	819978	812654	
						1.0	0.1	207	20.7	20.7	7.9	7.9	29.0	29.0	88.5	88.8	6.7	6.7						5.3
					Middle	2.4	-	176	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.4	0.0	181	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.8	0.0	216	20.8	20.8	7.8	7.8	28.9	28.9	84.7	84.6	6.4	6.4	6.2	6.2				
						3.8	0.1	213	20.8	20.8	7.8	7.8	28.9	28.9	84.4	84.6	6.4	6.4	6.1	6.1				
SR2	Misty	Moderate	09:32	5.6	Surface	1.0	0.1	233	20.3	20.4	7.8	7.8	29.2	29.2	89.5	89.4	6.8	6.8	6.8	6.6	4	821464	814181	
						1.0	0.0	230	20.4	20.4	7.8	7.8	29.1	29.2	89.2	89.4	6.8	6.8						6.2
					Middle	-	0.0	225	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.0	232	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.6	0.1	250	20.6	20.7	7.9	7.9	28.9	28.9	87.7	87.5	6.6	6.6	7.1	7.1				
						4.6	0.1	253	20.7	20.7	7.9	7.9	28.9	28.9	87.2	87.5	6.6	6.6	7.1	7.1				
SR3	Fine	Moderate	09:38	7.8	Surface	1.0	0.3	324	19.9	19.9	8.0	8.0	28.8	28.8	95.2	95.2	7.3	7.3	7.3	5.0	6	822137	807548	
						1.0	0.3	321	19.9	19.9	8.0	8.0	28.8	28.8	95.2	95.2	7.3	7.3						3.0
					Middle	3.9	0.3	342	19.8	19.8	8.0	8.0	29.5	29.5	94.3	94.3	7.2	7.2	5.0	5.0				
						3.9	0.3	335	19.8	19.8	8.0	8.0	29.5	29.5	94.2	94.3	7.2	7.2	5.0	5.0				
					Bottom	6.8	0.3	344	19.6	19.6	8.0	8.0	30.1	30.1	93.9	93.9	7.2	7.2	6.8	6.8				
						6.8	0.3	347	19.6	19.6	8.0	8.0	30.1	30.1	93.9	93.9	7.2	7.2	7.0	7.0				
SR4A	Fine	Moderate	07:41	8.6	Surface	1.0	0.0	162	19.7	19.7	7.9	7.9	30.5	30.5	97.0	97.0	7.4	7.4	7.4	10.3	7	817170	807810	
						1.0	0.0	169	19.6	19.7	7.9	7.9	30.5	30.5	96.9	97.0	7.4	7.4						6.6
					Middle	4.3	0.0	180	19.4	19.4	7.9	7.9	30.8	30.8	95.9	95.9	7.4	7.4	11.6	11.6				
						4.3	0.0	173	19.4	19.4	7.9	7.9	30.8	30.8	95.9	95.9	7.4	7.4	11.6	11.6				
					Bottom	7.6	0.0	164	19.4	19.4	7.9	7.9	30.8	30.8	96.0	96.0	7.4	7.4	12.6	12.6				
						7.6	0.0	168	19.4	19.4	7.9	7.9	30.8	30.8	96.0	96.0	7.4	7.4	12.7	12.7				
SR8	Misty	Moderate	10:00	4.4	Surface	1.0	-	-	20.8	20.8	7.9	7.9	28.8	28.8	90.9	90.6	6.9	6.8	6.9	4.0	5	820383	811630	
						1.0	-	-	20.8	20.8	7.9	7.9	28.7	28.8	90.3	90.6	6.8	6.8						3.2
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.4	-	-	21.0	21.0	7.9	7.9	28.5	28.5	84.7	84.6	6.4	6.4	4.9	4.9				
						3.4	-	-	21.0	21.0	7.9	7.9	28.5	28.5	84.5	84.6	6.4	6.4	5.0	5.0				

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 March 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	Misty	Moderate	17:20	8.0	Surface	1.0	0.4	204	20.2	20.2	8.2	8.2	31.7	31.7	114.6	114.4	8.6	8.5	4.5	6.9	4	4	815629	804252
						1.0	0.4	206	20.2		8.2		31.8		114.1		8.6		4.8					
					Middle	4.0	0.4	205	20.1	20.1	8.2	8.2	32.0	32.0	112.5	112.4	8.4	8.3	7.0		3			
						4.0	0.4	206	20.1		8.2		32.0		112.2		8.4		7.3					
					Bottom	7.0	0.4	201	20.1	20.1	8.2	8.2	32.0	32.0	110.8	110.7	8.3	8.3	8.6		4			
						7.0	0.3	207	20.1		8.2		32.0		110.6		8.3		9.4		4			
C2	Misty	Moderate	16:02	11.8	Surface	1.0	0.4	155	20.2	20.2	8.0	8.0	29.6	29.6	93.8	93.8	7.1	7.1	1.9	2.3	4	5	825683	806965
						1.0	0.4	158	20.2		8.0		29.6		93.8		7.1		1.9					
					Middle	5.9	0.4	164	20.1	20.1	8.0	8.0	29.8	29.8	93.6	93.6	7.1	7.1	2.6		5			
						5.9	0.4	157	20.1		8.0		29.9		93.6		7.1		2.6					
					Bottom	10.8	0.4	168	20.1	20.1	8.0	8.0	29.8	29.8	93.5	93.6	7.1	7.1	2.5		5			
						10.8	0.4	160	20.1		8.0		29.8		93.6		7.1		2.4		4			
C3	Sunny	Rough	17:42	10.6	Surface	1.0	0.5	71	19.5	19.5	8.1	8.1	31.9	31.9	97.1	97.1	7.4	7.3	1.7	2.2	7	6	822109	817801
						1.0	0.4	72	19.5		8.1		31.9		97.1		7.4		1.8					
					Middle	5.3	0.4	83	19.5	19.5	8.1	8.1	31.9	31.9	94.8	94.8	7.2	7.1	2.7		6			
						5.3	0.4	85	19.5		8.1		31.9		94.8		7.2		2.7					
					Bottom	9.6	0.5	74	19.4	19.4	8.1	8.1	32.1	32.1	92.5	92.5	7.1	7.1	2.3		6			
						9.6	0.5	74	19.4		8.1		32.1		92.5		7.1		2.3		6			
IM1	Misty	Moderate	16:58	7.0	Surface	1.0	0.3	183	20.1	20.1	8.1	8.1	31.5	31.5	114.4	114.0	8.6	8.4	4.0	6.4	4	5	818363	806437
						1.0	0.3	176	20.1		8.1		31.6		113.6		8.6		4.6					
					Middle	3.5	0.3	170	20.1	20.1	8.1	8.1	31.8	31.8	107.5	107.4	8.1	8.0	6.9		6			
						3.5	0.3	165	20.1		8.1		31.8		107.3		8.1		7.4					
					Bottom	6.0	0.2	186	20.1	20.1	8.1	8.1	31.8	31.8	106.4	106.3	8.0	8.0	7.5		4			
						6.0	0.2	180	20.0		8.1		31.8		106.2		8.0		8.0		6			
IM2	Misty	Moderate	16:53	7.3	Surface	1.0	0.3	178	20.2	20.2	8.1	8.1	31.4	31.4	113.9	113.8	8.6	8.4	2.6	3.1	4	5	819173	806244
						1.0	0.3	184	20.2		8.1		31.5		113.7		8.6		2.7					
					Middle	3.7	0.3	187	20.1	20.1	8.1	8.1	31.8	31.8	107.5	107.4	8.1	8.0	3.3		6			
						3.7	0.3	183	20.1		8.1		31.8		107.3		8.1		3.4					
					Bottom	6.3	0.2	197	20.1	20.1	8.1	8.1	31.8	31.8	106.0	105.9	8.0	8.0	3.3		4			
						6.3	0.2	201	20.0		8.1		31.8		105.7		8.0		3.3		5			
IM7	Misty	Moderate	16:30	8.4	Surface	1.0	0.2	134	20.2	20.2	8.1	8.1	29.6	29.7	98.5	98.6	7.5	7.5	1.9	3.6	6	5	821371	806855
						1.0	0.2	141	20.2		8.1		29.7		98.6		7.5		2.0					
					Middle	4.2	0.2	165	20.0	20.0	8.1	8.1	31.0	31.0	99.0	99.0	7.5	7.5	4.0		4			
						4.2	0.2	161	20.0		8.1		31.0		99.0		7.5		4.2					
					Bottom	7.4	0.2	140	20.0	20.0	8.1	8.1	31.2	31.2	98.6	98.6	7.5	7.5	4.8		5			
						7.4	0.2	135	20.0		8.1		31.2		98.6		7.5		4.8		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 14 March 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	15:57	9.1	Surface	1.0	0.3	100	19.6	19.6	8.1	8.1	30.0	30.0	92.5	92.5	7.1	7.1	1.6	2.2	5	5	822250	809839			
						1.0	0.4	93	19.6		8.1	8.1	30.0	30.0	92.5	92.5	7.1		1.6		5						
					Middle	4.6	0.3	105	19.6	19.6	8.1	8.1	30.0	30.0	91.8	91.8	7.0	7.0	1.9	7.0	7				6	6	
						4.6	0.3	107	19.6		8.1	8.1	30.0	30.0	91.8	91.8	7.0		1.9		6						
					Bottom	8.1	0.3	88	19.6	19.6	8.1	8.1	30.2	30.2	90.1	90.1	6.9	6.9	6.9	6.9	3.1				3.2	4	3
						8.1	0.3	81	19.6		8.1	8.1	30.2	30.2	90.1	90.1	6.9		3.2		3						
IM11	Sunny	Rough	16:13	7.8	Surface	1.0	0.4	92	19.6	19.6	8.1	8.1	30.0	30.0	93.0	93.0	7.1	7.0	1.7	3.0	6	6	821495	810547			
						1.0	0.4	96	19.6		8.1	8.1	30.0	30.0	92.9	92.9	7.1		1.7		5						
					Middle	3.9	0.4	96	19.6	19.6	8.1	8.1	30.3	30.3	90.0	90.0	6.9	6.9	3.3	6.9	4				5	7	
						3.9	0.4	102	19.6		8.1	8.1	30.3	30.3	90.0	90.0	6.9		3.4		4						
					Bottom	6.8	0.4	98	19.6	19.6	8.1	8.1	30.3	30.3	89.7	89.7	6.9	6.9	6.9	6.9	4.0				4.0	7	6
						6.8	0.4	94	19.6		8.1	8.1	30.3	30.3	89.7	89.7	6.9		4.0		6						
IM12	Sunny	Rough	16:21	7.2	Surface	1.0	0.3	97	19.7	19.7	7.9	7.9	30.4	30.4	90.3	90.3	6.9	6.9	2.9	4.0	6	6	821169	811503			
						1.0	0.3	97	19.7		7.9	7.9	30.4	30.4	90.3	90.3	6.9		3.0		5						
					Middle	3.6	0.3	88	19.6	19.6	7.9	7.9	30.4	30.4	89.8	89.8	6.9	6.9	3.1	6.9	6				6	6	
						3.6	0.4	84	19.6		7.9	7.9	30.4	30.4	89.8	89.8	6.9		3.2		6						
					Bottom	6.2	0.4	120	19.5	19.5	7.8	7.8	30.9	30.9	89.3	89.3	6.8	6.8	6.8	6.8	6.0				6.1	5	6
						6.2	0.4	118	19.5		7.8	7.8	30.9	30.9	89.3	89.3	6.8		6.1		6						
SR1A	Sunny	Moderate	17:01	4.9	Surface	1.0	0.0	74	19.5	19.5	8.1	8.1	30.9	30.9	89.1	89.1	6.8	6.8	3.8	4.1	6	6	819971	812658			
						1.0	0.0	67	19.5		8.1	8.1	30.9	30.9	89.1	89.1	6.8		3.8		6						
					Middle	2.5	0.0	75	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						2.5	0.1	80	-		-	-	-	-	-	-	-		-		-						
					Bottom	3.9	0.1	78	19.5	19.5	8.1	8.1	31.0	31.0	88.8	88.8	6.8	6.8	6.8	6.8	4.4				4.3	7	5
						3.9	0.0	75	19.5		8.1	8.1	31.0	31.0	88.8	88.8	6.8		4.3		5						
SR2	Sunny	Moderate	17:16	5.4	Surface	1.0	0.3	59	19.7	19.7	8.0	8.0	30.5	30.5	91.3	91.3	7.0	7.0	2.4	2.6	7	7	821462	814189			
						1.0	0.3	60	19.7		8.0	8.0	30.5	30.5	91.3	91.3	7.0		2.4		6						
					Middle	-	0.4	61	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	0.4	57	-		-	-	-	-	-	-	-		-								
					Bottom	4.4	0.4	38	19.6	19.6	8.0	8.0	30.6	30.6	91.7	91.8	7.0	7.0	7.0	7.0	2.7				2.8	7	7
						4.4	0.4	43	19.6		8.0	8.0	30.6	30.6	91.8	91.8	7.0		2.8		7						
SR3	Misty	Moderate	16:23	8.4	Surface	1.0	0.3	154	20.2	20.2	8.0	8.0	29.6	29.6	94.2	94.3	7.2	7.3	2.1	5.8	6	6	822158	807554			
						1.0	0.3	157	20.2		8.0	8.0	29.6	29.6	94.3	94.3	7.2		2.1		5						
					Middle	4.2	0.3	140	20.1	20.1	8.1	8.1	30.6	30.6	97.9	98.0	7.4	7.4	5.9	7.4	6				7	7	
						4.2	0.3	145	20.1		8.1	8.1	30.6	30.6	98.0	98.0	7.4		6.2		7						
					Bottom	7.4	0.3	176	20.0	20.0	8.0	8.0	31.1	31.1	97.5	97.5	7.4	7.4	7.4	7.4	9.4				9.3	5	7
						7.4	0.4	183	20.0		8.0	8.0	31.0	31.0	97.4	97.4	7.4		9.3		7						
SR4A	Misty	Moderate	17:46	8.2	Surface	1.0	0.0	80	20.1	20.1	8.1	8.1	31.6	31.6	104.6	104.6	7.9	7.9	5.0	5.3	6	5	817194	807816			
						1.0	0.0	87	20.1		8.1	8.1	31.6	31.6	104.6	104.6	7.9		5.0		5						
					Middle	4.1	0.1	62	20.1	20.1	8.1	8.1	31.6	31.6	104.8	104.8	7.9	7.9	5.6	7.9	4				6	6	
						4.1	0.1	56	20.1		8.1	8.1	31.6	31.6	104.8	104.8	7.9		5.6		6						
					Bottom	7.2	0.0	81	20.1	20.1	8.1	8.1	31.6	31.6	103.5	103.5	7.8	7.8	7.8	7.8	5.4				5.4	4	4
						7.2	0.0	79	20.1		8.1	8.1	31.6	31.6	103.4	103.4	7.8		5.4		4						
SR8	Sunny	Moderate	16:27	5.1	Surface	1.0	-	-	19.7	19.7	8.0	8.0	30.4	30.4	90.7	90.7	6.9	6.9	2.8	2.8	6	6	820392	811633			
						1.0	-	-	19.7		8.0	8.0	30.4	30.4	90.7	90.7	6.9		2.8		6						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-		-	-	-	-	-	-	-		-								
					Bottom	4.1	-	-	19.7	19.7	8.0	8.0	30.4	30.4	90.1	90.1	6.9	6.9	6.9	6.9	2.9				2.9	6	6
						4.1	-	-	19.7		8.0	8.0	30.4	30.4	90.1	90.1	6.9		2.9		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 14 March 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	Cloudy	Moderate	10:28	8.2	Surface	1.0	0.3	44	20.0	20.1	8.2	8.2	30.9	30.9	112.4	112.5	8.5	8.5	3.0	6.3	6	5	815641	804248
						1.0	0.3	39	20.1		8.2	8.2	30.9	30.9	112.5	112.5	8.5		2.9		5			
					Middle	4.1	0.3	27	20.2	8.2	8.2	31.9	31.9	112.1	112.0	8.4	8.4	8.0	3					
						4.1	0.3	22	20.2	8.2	8.2	31.9	31.9	111.9	112.0	8.4	8.4	8.6	4					
					Bottom	7.2	0.3	44	20.2	8.2	8.2	31.9	31.9	111.2	111.2	8.4	8.4	7.7	5					
						7.2	0.3	36	20.2	8.2	8.2	31.9	31.9	111.1	111.2	8.4	8.4	7.6	4					
C2	Cloudy	Moderate	11:53	12.0	Surface	1.0	0.4	343	20.2	20.2	8.0	8.0	29.6	29.6	93.5	93.5	7.1	7.1	1.8	2.4	5	5	825668	806956
						1.0	0.4	348	20.2		8.0	8.0	29.6	29.6	93.5	93.5	7.1		1.8		7			
					Middle	6.0	0.4	347	20.1	8.0	8.0	29.7	29.7	93.5	93.5	7.1	7.1	2.2	6					
						6.0	0.3	350	20.1	8.0	8.0	29.7	29.7	93.5	93.5	7.1	7.1	2.3	5					
					Bottom	11.0	0.4	357	20.1	8.0	8.0	29.9	29.9	93.4	93.4	7.1	7.1	3.1	5					
						11.0	0.4	350	20.1	8.0	8.0	29.9	29.9	93.4	93.4	7.1	7.1	3.1	4					
C3	Fine	Moderate	09:32	9.4	Surface	1.0	0.3	248	19.4	19.4	7.9	7.9	30.4	30.4	91.5	91.5	7.0	7.0	1.4	2.6	5	6	822111	817820
						1.0	0.3	253	19.4		7.9	7.9	30.4	30.4	91.5	91.5	7.0		1.4		5			
					Middle	4.7	0.2	260	19.5	7.9	7.9	31.0	31.0	91.1	91.1	7.0	7.0	1.2	7					
						4.7	0.3	260	19.5	7.9	7.9	31.0	31.0	91.1	91.1	7.0	7.0	1.3	6					
					Bottom	8.4	0.3	247	19.4	7.8	7.8	31.1	31.1	91.0	91.0	7.0	7.0	5.1	7					
						8.4	0.3	244	19.4	7.8	7.8	31.1	31.1	91.0	91.0	7.0	7.0	5.1	7					
IM1	Cloudy	Moderate	10:53	6.4	Surface	1.0	0.3	11	20.1	20.1	8.1	8.1	31.7	31.7	106.7	106.6	8.0	8.0	5.5	7.5	4	4	818330	806471
						1.0	0.3	4	20.1		8.1	8.1	31.7	31.7	106.5	106.6	8.0		6.1		4			
					Middle	3.2	0.2	13	20.1	8.1	8.1	31.7	31.7	105.9	105.8	8.0	8.0	6.9	4					
						3.2	0.2	17	20.1	8.1	8.1	31.7	31.7	105.7	105.8	8.0	8.0	6.9	5					
					Bottom	5.4	0.3	15	20.0	8.1	8.1	31.7	31.7	104.3	104.1	7.9	7.9	9.6	5					
						5.4	0.2	16	20.0	8.1	8.1	31.7	31.7	103.9	104.1	7.8	7.9	10.0	3					
IM2	Cloudy	Moderate	10:58	6.8	Surface	1.0	0.2	27	20.0	20.0	8.1	8.1	31.6	31.6	104.7	104.6	7.9	7.9	5.4	8.3	6	9	819186	806259
						1.0	0.2	31	20.0		8.1	8.1	31.6	31.6	104.5	104.6	7.9		5.9		7			
					Middle	3.4	0.2	25	20.0	8.1	8.1	31.7	31.7	103.2	103.1	7.8	7.8	9.1	13					
						3.4	0.3	30	20.0	8.1	8.1	31.7	31.7	102.9	103.1	7.8	7.8	9.7	14					
					Bottom	5.8	0.2	23	20.0	8.1	8.1	31.7	31.7	101.9	101.8	7.7	7.7	10.0	6					
						5.8	0.3	20	20.0	8.1	8.1	31.7	31.7	101.7	101.8	7.7	7.7	9.6	6					
IM7	Cloudy	Moderate	11:20	7.6	Surface	1.0	0.1	355	20.1	20.1	8.0	8.0	29.8	29.8	97.1	97.2	7.4	7.4	2.7	4.7	7	6	821349	806825
						1.0	0.1	354	20.1		8.0	8.0	29.9	29.9	97.2	97.4	7.4		3.0		7			
					Middle	3.8	0.2	350	20.1	8.0	8.0	30.6	30.6	97.4	97.4	7.4	7.4	4.7	6					
						3.8	0.2	350	20.0	8.0	8.0	30.7	30.7	97.4	97.4	7.4	7.4	5.1	5					
					Bottom	6.6	0.2	347	20.0	8.0	8.0	31.1	31.1	96.9	96.9	7.3	7.3	6.5	6					
						6.6	0.2	342	20.0	8.0	8.0	31.1	31.1	96.9	96.9	7.3	7.3	6.6	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 14 March 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)					
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA									
IM10	Fine	Rough	11:24	8.6	Surface	1.0	0.4	304	19.6	19.6	8.1	8.1	30.0	30.0	92.2	92.2	7.1	7.0	1.6	2.7	4	4	822252	809836					
						1.0	0.4	307	19.6		8.1		30.0	92.1	7.1	1.6	4												
					Middle	4.3	0.4	305	19.6	8.1	8.1	30.2	30.2	90.6	90.7	6.9	7.0	2.8	4										
						4.3	0.4	299	19.6	8.1	8.1	30.2	30.2	90.7	90.7	7.0	7.0	2.8	4										
					Bottom	7.6	0.4	312	19.6	8.1	8.1	30.2	30.2	90.8	90.9	7.0	7.0	3.6	4										
						7.6	0.4	313	19.6	8.1	8.1	30.2	30.2	90.9	90.9	7.0	7.0	3.6	5										
IM11	Fine	Moderate	11:09	6.9	Surface	1.0	0.5	275	19.6	19.6	8.1	8.1	30.1	30.1	91.8	91.8	7.1	7.0	1.7	3.0	4	4	821517	810564					
						1.0	0.5	272	19.6		8.1		30.1	91.7	7.0	1.7	5												
					Middle	3.5	0.5	277	19.6	8.1	8.1	30.3	30.3	89.6	89.6	6.9	7.0	2.4	5										
						3.5	0.5	281	19.6	8.1	8.1	30.3	30.3	89.5	89.5	6.9	7.0	2.5	4										
					Bottom	5.9	0.4	291	19.6	8.1	8.1	30.6	30.6	89.2	89.3	6.8	6.8	4.8	4										
						5.9	0.4	286	19.6	8.1	8.1	30.6	30.6	89.3	89.3	6.8	6.8	4.9	4										
IM12	Fine	Moderate	10:57	6.8	Surface	1.0	0.4	286	19.6	19.6	8.1	8.1	30.2	30.2	91.0	90.9	7.0	7.0	2.0	3.2	4	4	821180	811534					
						1.0	0.5	291	19.6		8.1		30.2	90.8	7.0	2.0	4												
					Middle	3.4	0.5	272	19.6	8.1	8.1	30.4	30.4	90.5	90.5	6.9	7.0	3.1	4										
						3.4	0.5	279	19.6	8.1	8.1	30.4	30.4	90.5	90.5	6.9	7.0	3.0	4										
					Bottom	5.8	0.5	298	19.5	8.1	8.1	30.6	30.6	90.8	90.9	7.0	7.0	4.6	3										
						5.8	0.5	300	19.5	8.1	8.1	30.6	30.6	90.9	90.9	7.0	7.0	4.6	3										
SR1A	Fine	Moderate	10:10	4.7	Surface	1.0	0.0	220	19.7	19.7	8.0	8.0	30.3	30.3	86.8	86.8	6.6	6.6	3.8	4.7	3	4	819973	812663					
						1.0	0.0	218	19.7		8.0		30.3	86.8	6.6	3.7	4												
					Middle	2.4	0.0	207	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						2.4	0.0	206	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	3.7	0.0	229	19.7	8.0	8.0	30.3	30.3	88.1	88.2	6.8	6.8	5.8	3										
						3.7	0.1	227	19.7	8.0	8.0	30.3	30.3	88.3	88.3	6.8	6.8	5.7	5										
SR2	Fine	Moderate	09:51	4.2	Surface	1.0	0.1	239	19.6	19.6	8.0	8.0	30.4	30.4	91.1	91.1	7.0	7.0	1.9	2.5	5	5	821483	814162					
						1.0	0.2	239	19.6		8.0		30.4	91.1	7.0	2.0	4												
					Middle	-	0.1	259	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
						-	0.1	261	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-
					Bottom	3.2	0.1	231	19.5	8.0	8.0	30.6	30.6	93.2	93.3	7.1	7.2	3.1	4										
						3.2	0.1	228	19.5	8.0	8.0	30.6	30.6	93.4	93.4	7.2	7.2	3.0	5										
SR3	Cloudy	Moderate	11:27	9.1	Surface	1.0	0.3	346	20.1	20.1	8.0	8.0	29.5	29.5	93.1	93.1	7.1	7.1	2.4	4.0	4	5	822125	807569					
						1.0	0.3	341	20.1		8.0		29.6	93.1	7.1	2.5	6												
					Middle	4.6	0.3	338	20.1	8.0	8.0	29.9	29.9	92.6	92.6	7.1	7.1	4.5	6										
						4.6	0.3	335	20.1	8.0	8.0	29.9	29.9	92.6	92.6	7.1	7.1	4.5	4										
					Bottom	8.1	0.4	340	20.1	8.0	8.0	30.1	30.1	92.4	92.4	7.0	7.0	5.2	5										
						8.1	0.3	345	20.1	8.0	8.0	30.1	30.1	92.4	92.4	7.0	7.0	5.2	5										
SR4A	Cloudy	Moderate	10:09	8.8	Surface	1.0	0.0	231	20.0	20.0	8.1	8.1	30.6	30.6	96.5	96.6	7.3	7.3	3.1	4.5	7	7	817200	807792					
						1.0	0.0	236	20.0		8.1		30.6	96.6	7.3	3.2	9												
					Middle	4.4	0.0	236	19.9	8.2	8.2	30.9	30.9	96.8	96.8	7.3	7.3	4.2	6										
						4.4	-	241	19.9	8.2	8.2	31.0	30.9	96.8	96.8	7.3	7.3	4.2	7										
					Bottom	7.8	0.0	249	20.0	8.1	8.1	31.2	31.2	96.8	96.8	7.3	7.3	6.4	8										
						7.8	0.0	247	20.0	8.1	8.1	31.2	31.2	96.8	96.8	7.3	7.3	6.1	7										
SR8	Fine	Moderate	10:48	4.8	Surface	1.0	-	-	19.6	19.6	8.1	8.1	30.1	30.1	90.6	90.6	7.0	7.0	2.9	3.4	6	6	820398	811637					
						1.0	-	-	19.6		8.1		30.1	90.6	7.0	2.9	7												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	
					Bottom	3.8	-	-	19.6	8.1	8.1	30.1	30.1	90.1	90.1	6.9	6.9	3.9	6										
						3.8	-	-	19.6	8.1	8.1	30.1	30.1	90.1	90.1	6.9	6.9	3.9	6										

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 March 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	20:01	8.2	Surface	1.0	0.3	222	20.4	20.4	8.3	8.3	31.2	31.2	121.0	121.0	9.1	8.9	0.7	2.3	3	3	815628	804258
						1.0	0.4	217	20.4	8.3	31.2	121.0	9.1	0.7	3									
					Middle	4.1	0.4	196	20.2	8.3	8.3	31.7	31.7	116.1	116.1	8.7	8.6	2.9	3					
						4.1	0.4	191	20.2	8.3	31.7	31.7	116.1	116.1	8.7	8.6	2.9	3						
					Bottom	7.2	0.3	226	20.3	8.2	8.2	31.7	31.6	114.1	114.1	8.6	8.6	3.5	4					
						7.2	0.3	226	20.3	8.2	8.2	31.6	31.6	114.1	114.1	8.6	8.6	3.4	4					
C2	Cloudy	Moderate	18:41	11.4	Surface	1.0	0.3	163	21.1	21.1	8.0	8.0	27.9	27.9	97.6	97.6	7.4	7.2	1.4	2.7	5	5	825699	806954
						1.0	0.3	159	21.1	8.0	27.9	97.5	7.4	1.4	6									
					Middle	5.7	0.3	158	20.4	8.0	8.0	29.5	29.6	90.8	90.7	6.9	6.8	2.3	5					
						5.7	0.4	157	20.4	8.0	29.6	90.6	6.9	2.5	5									
					Bottom	10.4	0.3	158	20.2	8.0	8.0	30.2	30.2	89.1	89.2	6.8	6.8	4.3	3					
						10.4	0.4	156	20.2	8.0	8.0	30.2	30.2	89.2	89.2	6.8	6.8	4.3	3					
C3	Misty	Moderate	19:52	7.8	Surface	1.0	0.3	66	19.8	19.8	7.6	7.6	31.6	31.6	96.4	96.4	7.3	7.2	1.2	3.3	5	4	822124	817816
						1.0	0.4	70	19.7	7.6	31.6	96.4	7.3	1.3	4									
					Middle	3.9	0.3	74	19.6	7.6	7.6	31.8	31.8	92.4	92.4	7.0	7.1	3.8	4					
						3.9	0.3	81	19.6	7.6	31.9	31.8	92.4	92.8	7.0	7.1	3.7	3						
					Bottom	6.8	0.4	62	19.6	7.6	7.6	31.9	31.8	92.7	92.8	7.0	7.1	4.9	4					
						6.8	0.4	68	19.6	7.6	7.6	31.8	31.8	92.8	92.8	7.1	7.1	4.9	3					
IM1	Cloudy	Moderate	19:40	6.5	Surface	1.0	0.2	201	21.0	21.0	8.2	8.2	29.7	29.7	120.3	120.3	9.0	9.0	1.3	1.4	5	5	818333	806480
						1.0	0.3	196	21.0	8.2	29.8	120.2	9.0	1.4	4									
					Middle	3.3	0.2	172	20.5	8.2	8.2	30.6	30.6	118.2	118.2	8.9	8.5	1.5	5					
						3.3	0.2	171	20.4	8.2	30.6	30.6	118.2	118.2	8.9	8.5	1.5	6						
					Bottom	5.5	0.2	209	20.4	8.2	8.2	30.8	30.8	113.1	113.1	8.5	8.5	1.5	5					
						5.5	0.2	216	20.4	8.2	8.2	30.8	30.8	113.1	113.1	8.5	8.5	1.6	6					
IM2	Cloudy	Moderate	19:32	6.7	Surface	1.0	0.3	177	20.7	20.7	8.2	8.2	30.1	30.1	114.6	114.4	8.6	8.4	1.0	1.1	4	4	819199	806249
						1.0	0.3	177	20.7	8.2	30.1	30.1	114.1	114.4	8.6	8.4	1.0	5						
					Middle	3.4	0.3	177	20.5	8.2	8.2	30.5	30.5	108.2	108.4	8.1	7.9	0.8	3					
						3.4	0.3	172	20.5	8.2	30.5	30.5	108.5	108.4	8.2	7.9	0.8	4						
					Bottom	5.7	0.2	215	20.6	8.1	8.1	30.5	30.5	104.4	104.4	7.9	7.9	1.7	2					
						5.7	0.2	213	20.6	8.1	8.1	30.5	30.5	104.4	104.4	7.9	7.9	1.7	3					
IM7	Cloudy	Moderate	19:08	8.2	Surface	1.0	0.2	172	20.9	20.9	8.1	8.1	28.5	28.5	103.3	103.4	7.8	7.8	1.4	2.1	3	4	821362	806831
						1.0	0.2	166	20.9	8.1	28.5	103.4	7.8	1.4	3									
					Middle	4.1	0.2	166	20.6	8.0	8.0	29.9	30.0	102.8	102.7	7.8	7.7	2.2	4					
						4.1	0.2	171	20.6	8.0	30.0	102.6	7.7	2.3	3									
					Bottom	7.2	0.2	190	20.6	8.0	8.0	30.0	30.0	102.2	102.2	7.7	7.7	2.5	5					
						7.2	0.2	187	20.6	8.0	8.0	30.0	30.0	102.2	102.2	7.7	7.7	2.5	4					

DA: Depth-Averaged

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Misty	Moderate	18:45	8.8	Surface	1.0	0.3	102	20.4	20.4	7.6	7.6	28.8	28.9	95.9	95.8	7.3	7.2	1.2	2.5	3	5	822232	809824			
						1.0	0.3	98	20.4	7.6	7.6	28.9	95.6	7.3	1.3	4											
					Middle	4.4	0.3	104	20.0	7.6	7.6	30.3	30.3	93.2	93.2	7.1	7.1	2.7	5								
						4.4	0.3	98	20.0	7.6	7.6	30.4	30.4	93.2	93.2	7.1	7.1	2.7	4								
					Bottom	7.8	0.3	104	19.8	7.5	7.5	30.7	30.7	93.7	93.8	7.1	7.1	3.4	5								
						7.8	0.4	106	19.8	7.5	7.5	30.7	30.7	93.8	93.8	7.1	7.1	3.5	6								
IM11	Misty	Moderate	18:54	7.4	Surface	1.0	0.3	106	20.0	20.0	7.6	7.6	30.4	30.4	93.5	93.5	7.1	7.1	1.1	1.7	2	4	821516	810567			
						1.0	0.3	106	19.9	7.6	7.6	30.4	30.4	93.5	93.5	7.1	7.1	1.0	3								
					Middle	3.7	0.4	105	19.9	7.5	7.5	30.6	30.6	93.4	93.5	7.1	7.1	1.7	4								
						3.7	0.4	101	19.9	7.5	7.5	30.6	30.6	93.5	93.5	7.1	7.1	1.6	4								
					Bottom	6.4	0.3	90	19.8	7.5	7.5	30.8	30.8	95.6	95.7	7.3	7.3	2.3	5								
						6.4	0.3	86	19.9	7.5	7.5	30.8	30.8	95.7	95.7	7.3	7.3	2.4	4								
IM12	Misty	Moderate	18:59	7.0	Surface	1.0	0.3	105	20.2	20.2	7.5	7.5	30.0	30.1	95.3	95.2	7.2	7.2	1.0	1.7	8	6	821142	811531			
						1.0	0.3	110	20.1	7.5	7.5	30.1	30.1	95.1	95.1	7.2	7.2	1.0	7								
					Middle	3.5	0.4	105	19.9	7.5	7.5	30.5	30.6	94.3	94.3	7.2	7.2	2.1	6								
						3.5	0.3	102	19.9	7.5	7.5	30.6	30.6	94.2	94.2	7.2	7.2	2.1	7								
					Bottom	6.0	0.3	106	19.9	7.5	7.5	30.7	30.6	94.5	94.7	7.2	7.2	2.1	6								
						6.0	0.3	112	19.9	7.5	7.5	30.5	30.5	94.9	94.9	7.2	7.2	2.2	4								
SR1A	Misty	Moderate	19:20	5.6	Surface	1.0	-	75	19.9	19.9	7.5	7.5	30.5	30.6	92.6	92.6	7.1	7.1	3.0	3.3	4	5	819980	812658			
						1.0	0.0	78	19.8	7.5	7.5	30.6	30.6	92.5	92.5	7.1	7.1	3.0	3								
					Middle	2.8	0.0	57	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.8	0.0	58	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.6	-	61	19.7	7.4	7.4	30.7	30.7	93.0	93.5	7.1	7.2	3.7	6								
						4.6	0.1	62	19.8	7.4	7.4	30.7	30.7	94.0	94.0	7.2	7.2	3.7	5								
SR2	Misty	Moderate	19:31	5.0	Surface	1.0	0.4	41	20.1	20.1	7.5	7.4	30.7	30.7	95.0	95.0	7.2	7.2	2.0	2.5	3	3	821479	814145			
						1.0	0.4	41	20.1	7.4	7.4	30.7	30.7	95.0	95.0	7.2	7.2	2.0	3								
					Middle	-	0.3	52	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	0.3	55	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.0	0.4	60	19.8	7.4	7.4	30.9	30.7	95.2	95.3	7.2	7.3	3.0	4								
						4.0	0.3	65	19.8	7.4	7.4	30.6	30.7	95.4	95.3	7.3	7.3	3.1	3								
SR3	Cloudy	Moderate	19:02	8.6	Surface	1.0	0.2	170	20.7	20.7	8.0	8.0	29.0	29.0	94.3	94.3	7.1	7.2	1.2	2.0	4	5	822168	807560			
						1.0	0.3	166	20.7	8.0	8.0	29.0	29.0	94.2	94.2	7.1	7.1	1.2	5								
					Middle	4.3	0.2	143	20.5	8.0	8.0	29.5	29.5	94.6	94.7	7.2	7.2	2.0	4								
						4.3	0.2	140	20.5	8.0	8.0	29.5	29.5	94.8	94.8	7.2	7.2	2.1	4								
					Bottom	7.6	0.3	156	20.5	7.9	7.9	29.7	29.7	95.6	95.6	7.2	7.2	2.8	5								
						7.6	0.3	150	20.5	7.9	7.9	29.7	29.7	95.6	95.6	7.2	7.2	2.8	5								
SR4A	Cloudy	Moderate	20:20	8.8	Surface	1.0	0.0	74	20.5	20.5	8.2	8.2	29.9	29.9	105.4	105.3	8.0	7.9	2.6	3.8	3	4	817177	807824			
						1.0	0.0	79	20.5	8.2	8.2	29.9	29.9	105.1	105.1	7.9	7.9	2.7	2								
					Middle	4.4	0.0	60	20.5	8.1	8.1	30.2	30.2	103.6	103.6	7.8	7.8	4.1	4								
						4.4	0.0	54	20.5	8.1	8.1	30.2	30.2	103.6	103.6	7.8	7.8	4.2	5								
					Bottom	7.8	0.1	70	20.4	8.1	8.1	30.2	30.2	103.6	103.7	7.8	7.8	4.6	4								
						7.8	0.0	72	20.4	8.1	8.1	30.2	30.2	103.7	103.7	7.8	7.8	4.7	4								
SR8	Misty	Moderate	19:03	5.8	Surface	1.0	-	-	20.3	20.3	7.5	7.5	29.9	30.0	95.7	95.6	7.3	7.3	1.9	2.1	6	7	820381	811628			
						1.0	-	-	20.2	7.5	7.5	30.0	30.0	95.4	95.4	7.2	7.2	2.0	5								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-		
					Bottom	4.8	-	-	19.9	7.5	7.5	30.8	30.8	94.6	94.7	7.2	7.2	2.2	8								
						4.8	-	-	19.9	7.5	7.5	30.8	30.8	94.7	94.7	7.2	7.2	2.3	9								

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Water Quality Monitoring

Water Quality Monitoring Results on 16 March 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	Cloudy	Moderate	07:38	8.4	Surface	1.0	0.0	47	20.4	20.4	8.2	8.2	30.7	30.8	114.3	114.1	8.6	8.5	2.3	5.0	6	5	815609	804264	
						1.0	0.0	48	20.4	8.2	8.2	30.8	30.8	113.9	114.1	8.6	8.5	2.4	5.0	7	5				
					Middle	4.2	0.0	47	20.3	8.1	8.1	31.2	31.2	111.6	111.5	8.4	8.3	3.9	5.0	5	5	4			4
						4.2	0.0	52	20.3	8.1	8.1	31.2	31.3	111.4	110.6	8.4	8.3	3.7	5.0	4	4				
					Bottom	7.4	0.1	42	20.3	8.1	8.1	31.3	31.3	110.6	110.5	8.3	8.3	8.9	5.0	4	4				
						7.4	0.1	46	20.3	8.1	8.1	31.3	31.3	110.4	110.5	8.3	8.3	8.7	5.0	4	4				
C2	Cloudy	Moderate	08:50	11.3	Surface	1.0	0.1	188	21.1	21.1	8.0	8.0	27.9	27.9	97.6	97.6	7.4	7.2	1.4	3.6	4	6	825681	806948	
						1.0	0.2	182	21.1	8.0	8.0	27.9	27.9	97.5	97.6	7.4	7.2	1.4	3.6	6	6				
					Middle	5.7	0.1	185	20.3	8.0	8.0	29.9	29.9	90.5	90.5	6.9	6.9	3.6	3.6	7	6	4			4
						5.7	0.0	181	20.3	8.0	8.0	29.9	29.9	90.4	90.5	6.9	6.9	3.8	3.6	6	6				
					Bottom	10.3	0.0	211	20.2	8.0	8.0	30.2	30.2	91.1	91.3	6.9	6.9	5.5	3.6	7	6	4			4
						10.3	0.1	205	20.2	8.0	8.0	30.2	30.2	91.4	91.3	6.9	6.9	5.7	3.6	8	6				
C3	Misty	Calm	08:04	10.8	Surface	1.0	0.0	117	19.7	19.7	7.5	7.5	31.2	31.2	94.2	94.2	7.2	7.1	1.6	2.2	4	4	822126	817787	
						1.0	0.0	121	19.7	7.5	7.5	31.2	31.2	94.2	94.2	7.2	7.1	1.6	2.2	3	4				
					Middle	5.4	0.0	116	19.6	7.4	7.4	31.4	31.4	92.0	92.0	7.0	7.0	1.8	2.2	4	4	4			4
						5.4	0.0	117	19.6	7.4	7.4	31.4	31.4	91.9	91.9	7.0	7.0	1.8	2.2	4	4				
					Bottom	9.8	0.1	118	19.6	7.3	7.3	31.4	31.4	91.8	91.9	7.0	7.0	3.0	2.2	4	4	4			4
						9.8	0.1	112	19.6	7.3	7.3	31.4	31.4	91.9	91.9	7.0	7.0	3.1	2.2	4	4				
IM1	Cloudy	Moderate	07:58	6.4	Surface	1.0	0.0	89	20.7	20.7	8.1	8.1	29.4	29.4	108.8	108.7	8.2	8.0	1.0	3.6	5	4	818362	806456	
						1.0	0.0	91	20.7	8.1	8.1	29.5	29.4	108.6	108.7	8.2	8.0	1.0	3.6	4	4				
					Middle	3.2	0.0	95	20.6	8.1	8.1	30.2	30.2	102.4	102.4	7.7	7.7	2.7	3.6	4	4	4			4
						3.2	0.0	95	20.6	8.1	8.1	30.2	30.2	102.3	102.3	7.7	7.7	2.9	3.6	3	4				
					Bottom	5.4	0.0	98	20.6	8.0	8.0	30.2	30.2	102.0	102.0	7.7	7.7	6.0	3.6	4	4	4			4
						5.4	0.0	91	20.6	8.0	8.0	30.2	30.2	102.0	102.0	7.7	7.7	7.9	3.6	4	4				
IM2	Cloudy	Moderate	08:04	7.0	Surface	1.0	0.0	86	20.7	20.7	8.1	8.1	29.6	29.6	107.8	107.8	8.1	8.0	1.4	2.6	3	4	819192	806229	
						1.0	0.0	92	20.7	8.1	8.1	29.6	29.6	107.7	107.8	8.1	8.0	1.5	2.6	3	4				
					Middle	3.5	0.0	91	20.6	8.1	8.0	30.3	30.3	105.8	105.5	8.0	7.9	2.7	2.6	4	4	4			4
						3.5	0.0	91	20.6	8.0	8.0	30.4	30.3	105.1	105.8	7.9	7.6	2.9	2.6	4	4				
					Bottom	6.0	0.0	64	20.5	8.0	8.0	30.7	30.6	101.8	101.8	7.6	7.6	3.4	2.6	4	4	4			4
						6.0	0.1	68	20.6	8.0	8.0	30.6	30.6	101.7	101.8	7.6	7.6	3.8	2.6	4	4				
IM7	Cloudy	Moderate	08:25	8.4	Surface	1.0	0.0	136	20.6	20.6	8.1	8.1	29.4	29.5	103.6	103.7	7.8	7.8	1.6	1.8	3	4	821339	806845	
						1.0	0.1	132	20.5	8.1	8.1	29.5	29.5	103.7	103.7	7.8	7.8	1.6	1.8	4	4				
					Middle	4.2	0.1	118	20.5	8.1	8.1	30.0	30.0	103.4	103.4	7.8	7.8	1.6	1.8	5	4	4			4
						4.2	0.1	112	20.5	8.1	8.1	30.0	30.0	103.4	103.4	7.8	7.8	1.6	1.8	4	4				
					Bottom	7.4	0.1	141	20.5	8.1	8.1	30.0	30.0	101.8	101.8	7.7	7.7	2.1	1.8	5	4	4			4
						7.4	0.1	140	20.5	8.1	8.1	30.0	30.0	101.8	101.8	7.7	7.7	2.2	1.8	4	4				

DA: Depth-Averaged

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 March 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	09:07	8.0	Surface	1.0	0.0	95	19.9	19.9	7.6	7.6	30.4	30.4	92.3	92.3	7.0	7.0	3.2	3.7	3	3	822228	809852
						1.0	0.0	98	19.9		7.6		30.4		92.3		7.0		3					
					Middle	4.0	0.1	99	20.1	20.2	7.5	7.5	30.5	30.5	92.7	92.8	7.0		3.2		3			
						4.0	0.1	104	20.2		7.5		30.4		92.9		7.0		3					
					Bottom	7.0	0.1	117	20.4	20.5	7.5	7.5	30.3	30.3	93.6	93.8	7.1		4.3		4			
						7.0	0.0	110	20.5		7.5		30.3		93.9		7.1		4.3		3			
IM11	Misty	Calm	08:59	8.2	Surface	1.0	0.1	85	20.1	20.1	7.6	7.6	30.0	30.0	93.1	93.1	7.1	7.1	1.1	2.0	3	4	821489	810531
						1.0	0.0	85	20.1		7.6		30.0		93.1		7.1		3					
					Middle	4.1	0.0	63	19.9	20.0	7.6	7.6	30.7	30.7	92.4	92.5	7.0		2.0		4			
						4.1	0.0	69	20.0		7.6		30.6		92.6		7.0		3					
					Bottom	7.2	0.1	76	20.4	20.4	7.5	7.5	30.4	30.4	93.7	93.8	7.1		2.8		6			
						7.2	0.1	71	20.4		7.5		30.4		93.9		7.1		2.9		5			
IM12	Misty	Calm	08:55	7.2	Surface	1.0	0.0	70	20.0	20.0	7.6	7.6	30.2	30.2	93.7	93.6	7.1	7.1	1.8	2.7	4	4	821178	811531
						1.0	0.0	69	20.0		7.6		30.3		93.5		7.1		3					
					Middle	3.6	-	65	19.8	19.8	7.6	7.6	30.8	30.8	92.3	92.4	7.0		2.1		4			
						3.6	0.0	64	19.8		7.6		30.8		92.4		7.0		2					
					Bottom	6.2	0.1	94	19.9	19.9	7.6	7.6	30.8	30.8	93.1	93.3	7.1		4.2		4			
						6.2	0.1	92	19.9		7.6		30.7		93.4		7.1		4.2		5			
SR1A	Misty	Calm	08:37	4.4	Surface	1.0	0.0	254	19.8	19.8	7.6	7.6	30.5	30.5	91.0	91.1	7.0	7.0	5.2	6.1	4	4	819983	812657
						1.0	-	251	19.7		7.6		30.5		91.1		7.0		4					
					Middle	2.2	0.0	258	-	-	-	-	-	-	-	-	-		-		-			
						2.2	0.0	251	-		-		-		-		-		-					
					Bottom	3.4	0.0	249	19.8	19.8	7.6	7.6	30.5	30.5	91.6	91.7	7.0		7.0		3			
						3.4	0.1	249	19.8		7.6		30.5		91.8		7.0		7.0		3			
SR2	Misty	Calm	08:24	4.8	Surface	1.0	0.1	163	19.8	19.8	7.6	7.6	30.6	30.7	92.4	92.3	7.0	7.0	1.4	2.3	3	3	821456	814153
						1.0	0.1	168	19.8		7.6		30.7		92.2		7.0		3					
					Middle	-	0.0	147	-	-	-	-	-	-	-	-	-		-		-			
						-	0.0	150	-		-		-		-		-		-					
					Bottom	3.8	0.1	151	19.7	19.7	7.6	7.6	30.8	30.6	92.0	92.0	7.0		3.1		2			
						3.8	0.0	153	19.7		7.6		30.3		92.0		7.0		3.0		3			
SR3	Cloudy	Moderate	08:33	8.2	Surface	1.0	0.0	132	20.8	20.8	8.0	8.0	28.6	28.7	95.0	95.0	7.2	7.2	1.3	2.4	4	4	822142	807581
						1.0	0.0	135	20.7		8.0		28.8		94.9		7.2		4					
					Middle	4.1	0.1	128	20.5	20.5	8.0	8.0	29.5	29.5	95.4	95.5	7.2		2.5		3			
						4.1	0.1	121	20.5		8.0		29.5		95.6		7.2		4					
					Bottom	7.2	0.1	123	20.5	20.5	8.0	8.0	29.7	29.7	95.9	95.9	7.3		3.5		3			
						7.2	0.1	119	20.5		8.0		29.7		95.9		7.3		3.4		4			
SR4A	Cloudy	Moderate	07:13	8.9	Surface	1.0	0.0	284	20.5	20.5	8.2	8.2	29.7	29.7	104.8	104.7	7.9	7.9	2.3	2.6	3	4	817196	807798
						1.0	0.0	276	20.5		8.2		29.7		104.6		7.9		4					
					Middle	4.5	0.0	289	20.4	20.4	8.2	8.2	29.9	29.9	103.8	103.8	7.9		2.7		4			
						4.5	0.1	283	20.4		8.2		29.9		103.8		7.9		4					
					Bottom	7.9	0.0	280	20.4	20.4	8.2	8.2	30.0	30.0	103.7	103.7	7.9		3.0		4			
						7.9	0.0	276	20.4		8.2		29.9		103.7		7.9		2.7		4			
SR8	Misty	Calm	08:50	4.8	Surface	1.0	-	-	20.1	20.1	7.6	7.6	29.9	30.0	95.4	95.4	7.3	7.3	1.4	1.8	5	5	820413	811633
						1.0	-	-	20.1		7.6		30.0		95.3		7.2		6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-					
					Bottom	3.8	-	-	20.2	20.2	7.6	7.6	30.5	30.5	94.8	94.8	7.2		2.1		5			
						3.8	-	-	20.2		7.6		30.5		94.7		7.2		2.1		4			

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Water Quality Monitoring

Water Quality Monitoring Results on 18 March 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	11:07	8.2	Surface	1.0	0.2	201	21.4	21.4	8.1	8.1	28.7	28.8	111.4	111.5	8.3	8.1	6.6	6.4	4	4	815609	804255		
						1.0	0.1	208	21.4		8.1		28.9		111.5		8.3		7.4		3					
					Middle	4.1	0.2	191	21.0	21.0	8.1	8.1	29.7	29.7	106.0	105.7	8.0	7.2	7.4	7.2	4.9				7.2	4
						4.1	0.2	196	21.0		8.1		29.7		105.4		7.9		7.4		4					
					Bottom	7.2	0.2	184	21.0	21.0	8.0	8.0	29.9	29.8	96.6	96.5	7.2	7.2	4.6	7.2	4					
						7.2	0.2	180	21.0		8.0		29.8		96.4		7.2		4.6		5					
C2	Cloudy	Moderate	12:23	12.1	Surface	1.0	0.2	188	21.2	21.2	8.1	8.1	27.1	27.1	101.8	101.9	7.7	7.7	1.8	2.4	3	4	825683	806927		
						1.0	0.2	187	21.1		8.1		27.1		101.9		7.7		1.9		4					
					Middle	6.1	0.2	157	21.0	21.0	8.1	8.1	29.3	29.3	101.4	101.4	7.6	7.3	2.1	7.3	3.5				7.3	3
						6.1	0.1	149	21.0		8.1		29.3		101.3		7.6		2.1		4					
					Bottom	11.1	0.2	158	20.9	20.9	8.1	8.1	29.7	29.7	97.1	97.2	7.3	7.3	3.4	7.3	4					
						11.1	0.3	154	20.9		8.1		29.7		97.3		7.3		3.4		4					
C3	Misty	Calm	09:38	11.6	Surface	1.0	0.2	79	20.0	20.0	7.9	7.9	31.1	31.1	94.2	94.2	7.1	7.1	1.6	3.6	4	4	822113	817787		
						1.0	0.2	80	20.0		8.0		31.1		94.1		7.1		1.6		4					
					Middle	5.8	0.1	89	20.0	20.0	8.0	7.9	31.2	31.2	93.4	93.4	7.1	7.1	4.2	7.1	5.1				7.1	4
						5.8	0.1	92	20.0		7.9		31.2		93.4		7.1		4.2		4					
					Bottom	10.6	0.2	99	20.0	20.0	8.0	8.0	31.1	31.1	93.7	93.8	7.1	7.1	5.2	7.1	4					
						10.6	0.2	93	20.0		8.0		31.1		93.8		7.1		5.2		4					
IM1	Cloudy	Moderate	11:29	6.5	Surface	1.0	0.1	187	21.2	21.2	8.2	8.2	29.6	29.7	116.9	116.8	8.7	8.5	1.9	5.6	3	3	818374	806450		
						1.0	0.1	182	21.2		8.2		29.7		116.7		8.7		1.9		4					
					Middle	3.3	0.1	192	20.9	20.9	8.1	8.1	30.2	30.2	110.5	110.4	8.3	8.2	7.5	8.2	3					
						3.3	0.1	195	20.9		8.1		30.2		110.3		8.3		7.5		3					
					Bottom	5.5	0.1	181	20.8	20.8	8.1	8.1	30.6	30.5	109.1	109.0	8.2	8.2	7.4	8.2	3					
						5.5	0.1	179	20.8		8.1		30.5		108.9		8.2		7.4		3					
IM2	Cloudy	Moderate	11:34	7.0	Surface	1.0	0.1	189	21.3	21.3	8.2	8.2	29.4	29.5	116.3	116.2	8.7	8.7	2.2	4.4	3	4	819173	806250		
						1.0	0.1	192	21.3		8.2		29.5		116.0		8.7		2.2		3					
					Middle	3.5	0.1	175	21.1	21.1	8.1	8.1	29.7	29.8	115.2	115.2	8.6	7.8	4.8	7.8	4					
						3.5	0.1	175	21.1		8.1		29.8		115.2		8.6		4.8		3					
					Bottom	6.0	0.1	217	20.8	20.9	8.1	8.1	30.3	30.2	104.1	104.1	7.8	7.8	6.4	7.8	4					
						6.0	0.1	216	20.9		8.1		30.2		104.1		7.8		6.9		4					
IM7	Cloudy	Moderate	11:58	7.8	Surface	1.0	0.1	178	21.8	21.8	8.2	8.2	27.0	26.9	104.0	104.1	7.8	7.9	1.4	2.3	4	4	821363	806831		
						1.0	0.1	185	21.8		8.2		26.9		104.2		7.8		1.5		3					
					Middle	3.9	0.1	194	21.0	21.0	8.2	8.2	29.6	29.6	106.3	106.2	8.0	7.9	2.6	7.9	3					
						3.9	0.0	194	21.0		8.2		29.6		106.1		8.0		2.6		4					
					Bottom	6.8	0.1	171	21.0	21.0	8.2	8.2	29.6	29.6	105.3	105.3	7.9	7.9	2.8	7.9	4					
						6.8	0.1	168	21.0		8.2		29.6		105.2		7.9		2.8		5					

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Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Misty	Calm	10:45	8.2	Surface	1.0	0.2	108	20.4	20.4	8.0	8.0	30.0	30.1	98.7	98.7	7.5	7.5	1.0	1.8	3	3	822248	809819
						1.0	0.2	101	20.4		8.0	30.2	98.7	7.5	1.1	4								
					Middle	4.1	0.2	94	20.4	8.0	8.0	30.4	30.4	98.7	98.8	7.5	1.7	3						
						4.1	0.2	92	20.4	8.0	30.4	30.4	98.8	7.5	1.7	4								
					Bottom	7.2	0.2	118	20.4	8.0	8.0	30.4	30.4	99.3	99.4	7.5	7.5	2.8	2					
						7.2	0.2	111	20.4	8.0	30.4	30.4	99.5	7.5	2.8	2								
IM11	Misty	Calm	10:38	8.0	Surface	1.0	0.2	96	20.5	20.5	8.0	8.0	30.0	30.1	99.0	99.0	7.5	7.5	2.9	4.0	2	3	821511	810525
						1.0	0.2	91	20.5		8.0	30.1	99.0	7.5	2.8	3								
					Middle	4.0	0.2	111	20.4	8.0	8.0	30.3	30.3	99.0	99.0	7.5	3.7	2						
						4.0	0.3	105	20.4	8.0	30.3	30.3	99.0	7.5	3.7	3								
					Bottom	7.0	0.3	113	20.4	8.0	8.0	30.4	30.4	99.2	99.2	7.5	7.5	5.3	4					
						7.0	0.2	109	20.4	8.0	30.4	30.4	99.2	7.5	5.2	3								
IM12	Misty	Calm	10:30	7.6	Surface	1.0	0.2	100	20.4	20.4	8.0	8.0	30.4	30.4	99.5	99.5	7.5	7.5	1.0	1.6	2	3	821169	811527
						1.0	0.2	99	20.4		8.0	30.4	30.4	99.5	7.5	1.1	3							
					Middle	3.8	0.2	80	20.4	8.0	8.0	30.4	30.4	99.8	99.9	7.5	1.3	4						
						3.8	0.2	78	20.4	8.0	30.4	30.4	99.9	7.5	1.3	3								
					Bottom	6.6	0.1	71	20.4	8.0	8.0	30.4	30.4	100.5	100.7	7.6	7.6	2.3	3					
						6.6	0.2	73	20.4	8.0	30.4	30.4	100.8	7.6	2.3	4								
SR1A	Misty	Calm	10:09	4.4	Surface	1.0	0.0	96	20.1	20.1	7.9	7.9	30.3	30.4	100.3	100.4	7.6	7.6	3.4	3.7	2	3	819980	812662
						1.0	0.0	102	20.0		7.9	30.4	100.5	7.6	3.5	2								
					Middle	2.2	0.0	86	-	-	-	-	-	-	-	-	-	-	-					
						2.2	0.1	80	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.4	0.0	70	19.9	7.9	7.9	30.7	30.6	100.8	100.8	7.7	7.7	4.0	4					
						3.4	0.1	73	19.8	8.0	30.5	30.6	100.8	7.7	4.0	3								
SR2	Misty	Calm	09:54	5.6	Surface	1.0	0.0	96	20.4	20.4	7.9	7.9	30.4	30.4	99.1	99.1	7.5	7.5	1.6	1.8	<2	<2	821479	814188
						1.0	0.0	97	20.3		7.9	30.4	99.1	7.5	1.6	<2								
					Middle	-	0.1	118	-	-	-	-	-	-	-	-	-	-						
						-	0.1	123	-	-	-	-	-	-	-	-	-							
					Bottom	4.6	0.1	109	20.3	8.0	8.0	30.5	30.5	99.1	99.2	7.5	7.5	2.0	2					
						4.6	0.0	112	20.3	8.0	30.5	30.5	99.2	7.5	2.0	<2								
SR3	Cloudy	Moderate	12:05	8.3	Surface	1.0	0.2	167	21.3	21.3	8.1	8.1	27.8	27.8	97.0	97.2	7.3	7.4	1.0	1.4	2	3	822158	807570
						1.0	0.3	170	21.3		8.1	27.9	97.4	7.3	1.1	3								
					Middle	4.2	0.3	161	21.0	8.1	8.1	29.3	29.3	99.2	99.2	7.5	1.6	3						
						4.2	0.3	158	21.0	8.1	29.3	29.3	99.2	7.5	1.7	3								
					Bottom	7.3	0.3	138	21.0	8.1	8.1	29.5	29.5	99.1	99.2	7.4	7.5	1.6	4					
						7.3	0.3	134	21.0	8.1	29.5	29.5	99.2	7.5	1.7	3								
SR4A	Cloudy	Moderate	10:44	9.2	Surface	1.0	0.0	125	21.5	21.5	8.2	8.2	28.2	28.2	110.8	110.8	8.3	8.1	4.2	4.2	4	3	817209	807816
						1.0	0.1	132	21.5		8.2	28.2	110.8	8.3	4.3	4								
					Middle	4.6	0.0	108	20.9	8.2	8.2	29.7	29.7	104.6	104.6	7.9	4.0	4						
						4.6	0.0	103	20.9	8.2	29.7	29.7	104.5	7.8	4.1	3								
					Bottom	8.2	0.1	128	20.9	8.1	8.1	29.8	29.8	104.4	104.4	7.8	7.8	4.2	2					
						8.2	0.0	122	20.9	8.1	29.8	29.8	104.4	7.8	4.1	3								
SR8	Misty	Calm	10:24	5.0	Surface	1.0	-	-	20.4	20.4	8.0	8.0	30.3	30.4	100.4	100.5	7.6	7.6	1.1	1.9	3	3	820368	811623
						1.0	-	-	20.4		8.0	30.4	100.5	7.6	1.1	3								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.0	-	-	20.3	8.0	8.0	30.5	30.4	100.3	100.5	7.6	7.6	2.8	2					
						4.0	-	-	20.4	8.0	30.3	30.4	100.7	7.6	2.8	2								

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 18 March 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	Cloudy	Moderate	15:37	8.4	Surface	1.0	0.2	37	21.3	21.3	8.2	8.2	29.3	29.3	113.7	113.3	8.5	8.2	2.0	3.6	3	3	815598	804230	
						1.0	0.2	40	21.2		8.2		29.4		112.8		8.4		2.1		2				
					Middle	4.2	0.3	15	21.0	21.0	8.2	8.2	29.8	29.8	105.5	105.8	7.9	7.6	7.6	7.6	2.5	3			3
						4.2	0.2	7	21.0		8.2		29.8		106.0		7.9		2.8		3				
					Bottom	7.4	0.2	50	20.9	20.9	8.1	8.1	29.9	29.9	101.8	101.8	7.6	7.6	7.6	7.6	5.9	4			4
						7.4	0.3	49	20.9		8.1		29.9		101.8		7.6		6.0		4				
C2	Cloudy	Moderate	14:12	11.6	Surface	1.0	0.1	220	21.3	21.3	8.1	8.1	27.3	27.3	100.1	100.3	7.6	7.5	2.4	6.0	4	4	825703	806961	
						1.0	0.0	222	21.2		8.1		27.3		100.5		7.6		2.4		5				
					Middle	5.8	0.0	240	20.9	20.9	8.1	8.1	29.4	29.5	100.5	98.9	7.6	7.3	7.3	7.3	8.5	4			4
						5.8	0.0	235	20.9		8.1		29.5		97.3		7.3		8.4		4				
					Bottom	10.6	0.0	233	21.1	21.2	8.1	8.1	29.5	29.5	97.7	97.9	7.3	7.3	7.3	7.3	7.5	3			3
						10.6	0.1	228	21.2		8.1		29.5		98.1		7.3		7.1		3				
C3	Misty	Calm	15:17	7.8	Surface	1.0	0.3	255	20.7	20.7	7.8	7.8	30.8	30.8	100.2	100.2	7.5	7.5	1.2	1.7	2	2	822114	817783	
						1.0	0.3	251	20.7		7.8		30.8		100.2		7.5		1.1		2				
					Middle	3.9	0.3	242	20.7	20.7	7.8	7.8	30.8	30.8	100.2	100.2	7.5	7.5	7.5	7.5	1.8	2			2
						3.9	0.4	236	20.6		7.8		30.8		100.1		7.5		1.8		3				
					Bottom	6.8	0.3	237	20.6	20.7	7.8	7.8	30.7	30.5	99.9	100.0	7.5	7.5	7.5	7.5	2.1	3			3
						6.8	0.3	232	20.7		7.8		30.3		100.0		7.5		2.1		2				
IM1	Cloudy	Moderate	15:18	6.5	Surface	1.0	0.1	8	21.3	21.3	8.1	8.1	29.6	29.7	119.8	119.8	8.9	8.6	1.5	4.2	2	3	818327	806472	
						1.0	0.1	1	21.2		8.1		29.7		119.8		8.9		1.6		2				
					Middle	3.3	0.1	15	21.0	21.0	8.1	8.1	30.2	30.2	110.5	110.4	8.3	8.2	8.2	8.2	1.4	3			3
						3.3	0.1	13	20.9		8.1		30.3		110.2		8.2		1.4		3				
					Bottom	5.5	0.2	39	20.9	20.9	8.1	8.1	30.4	30.4	110.1	110.2	8.2	8.2	8.2	8.2	10.0	4			4
						5.5	0.1	36	20.9		8.1		30.3		110.2		8.2		9.2		3				
IM2	Cloudy	Moderate	15:12	7.2	Surface	1.0	0.1	333	21.0	21.0	8.2	8.2	29.8	29.9	118.8	118.6	8.9	8.6	1.7	1.8	3	3	819162	806224	
						1.0	0.0	327	21.0		8.2		29.9		118.4		8.9		1.7		2				
					Middle	3.6	0.0	304	20.9	20.9	8.2	8.2	30.1	30.1	110.3	110.0	8.3	8.2	8.2	8.1	1.8	4			4
						3.6	0.0	310	20.9		8.2		30.1		109.6		8.2		1.8		3				
					Bottom	6.2	0.1	301	20.8	20.9	8.1	8.1	30.3	30.2	105.5	107.2	7.9	8.1	7.9	8.1	1.9	4			4
						6.2	0.1	298	20.9		8.1		30.2		108.9		8.2		1.9		4				
IM7	Cloudy	Moderate	14:51	7.7	Surface	1.0	0.1	266	21.9	22.1	8.1	8.1	28.3	28.3	112.4	112.6	8.3	8.2	2.0	2.5	4	5	821365	806843	
						1.0	0.1	259	22.3		8.1		28.3		112.8		8.3		2.1		4				
					Middle	3.9	0.1	285	21.1	21.1	8.1	8.1	29.6	29.6	107.4	107.3	8.0	8.0	8.0	8.0	2.6	4			5
						3.9	0.1	286	21.1		8.1		29.6		107.2		8.0		2.7		4				
					Bottom	6.7	0.1	287	21.0	21.0	8.1	8.1	29.6	29.6	106.7	106.7	8.0	8.0	8.0	8.0	2.9	5			6
						6.7	0.1	292	21.0		8.1		29.6		106.6		8.0		2.9		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 18 March 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Misty	Calm	14:15	8.6	Surface	1.0	0.1	257	20.8	20.8	7.9	7.9	27.8	27.8	97.1	97.0	7.4	7.3	2.5	4	822244	809834	6	
						1.0	0.1	251	20.8		7.9	7.9	27.8	27.8	96.8	96.8	7.4						5	
					Middle	4.3	0.1	270	21.0	7.9	7.9	29.9	29.9	95.8	95.7	7.2	3							
						4.3	0.1	268	21.0	7.9	7.9	29.9	29.9	95.6	95.6	7.2	4							
					Bottom	7.6	0.1	248	21.2	7.9	7.9	29.8	29.8	95.3	95.4	7.1	7.1						4.0	
						7.6	0.1	243	21.2	7.9	7.9	29.8	29.8	95.5	95.5	7.1	7.1						3.9	3
IM11	Misty	Calm	14:23	7.2	Surface	1.0	0.1	253	20.5	20.5	8.0	8.0	29.9	30.0	99.8	99.9	7.5	7.6	2.8	4	821515	810537	5	
						1.0	0.2	259	20.5		8.0	8.0	30.0	30.0	99.9	99.9	7.5						4	
					Middle	3.6	0.2	263	20.5	8.0	8.0	30.2	30.3	100.1	100.2	7.6	3							
						3.6	0.2	262	20.4	8.0	8.0	30.3	30.3	100.2	100.2	7.6	4							
					Bottom	6.2	0.2	289	20.4	8.0	8.0	30.4	30.4	100.6	100.7	7.6	7.6						3.2	
						6.2	0.2	286	20.4	8.0	8.0	30.4	30.4	100.7	100.7	7.6	7.6						3.3	3
IM12	Misty	Calm	14:27	7.4	Surface	1.0	0.2	297	20.7	20.8	7.9	7.9	29.7	29.7	99.0	99.0	7.5	7.4	1.5	4	821153	811520	3	
						1.0	0.2	296	20.8		7.9	7.9	29.8	29.8	98.9	98.9	7.4						4	
					Middle	3.7	0.1	303	20.8	8.0	7.9	30.0	30.0	98.2	98.2	7.4	4							
						3.7	0.2	300	20.8	7.9	7.9	30.0	30.0	98.2	98.2	7.4	3							
					Bottom	6.4	0.2	297	20.9	7.9	7.9	30.1	30.1	97.7	97.8	7.3	7.3						2.5	
						6.4	0.1	299	20.9	7.9	7.9	30.1	30.1	97.8	97.8	7.3	7.3						2.4	4
SR1A	Misty	Calm	14:47	5.4	Surface	1.0	0.0	191	20.7	20.7	7.9	7.9	29.7	29.6	97.1	97.1	7.3	7.3	3.2	5	819970	812664	5	
						1.0	0.0	192	20.7		7.9	7.9	29.4	29.4	97.1	97.1	7.3						5	
					Middle	2.7	0.0	166	-	-	-	-	-	-	-	-	-						-	
						2.7	0.0	161	-	-	-	-	-	-	-	-	-						-	
					Bottom	4.4	0.0	166	20.6	7.9	7.9	29.9	30.0	96.9	96.9	7.3	7.3						3.5	
						4.4	0.0	165	20.6	7.9	7.9	30.0	30.0	96.8	96.8	7.3	7.3						3.6	4
SR2	Misty	Calm	14:58	4.8	Surface	1.0	0.1	253	21.1	21.1	7.9	7.9	30.0	30.0	99.4	99.5	7.4	7.4	1.8	3	821477	814157	2	
						1.0	0.1	252	21.1		7.9	7.9	30.0	30.0	99.5	99.5	7.4						3	
					Middle	-	0.1	230	-	-	-	-	-	-	-	-	-							
						-	0.1	230	-	-	-	-	-	-	-	-	-							
					Bottom	3.8	0.1	254	21.2	7.9	7.9	30.0	29.9	99.9	100.0	7.4	7.5						1.9	
						3.8	0.1	257	21.3	7.9	7.9	29.9	29.9	100.1	100.1	7.5	7.5						1.9	2
SR3	Cloudy	Moderate	14:45	8.4	Surface	1.0	0.1	213	21.4	21.4	8.1	8.1	27.9	28.0	96.9	97.0	7.3	7.4	3.6	3	822128	807564	4	
						1.0	0.1	216	21.3		8.1	8.1	28.0	28.0	97.0	97.0	7.3						4	
					Middle	4.2	0.0	203	21.0	8.1	8.1	29.1	29.1	97.9	98.0	7.4	5.0							
						4.2	0.1	199	21.0	8.1	8.1	29.1	29.1	98.1	98.1	7.4	5.4							
					Bottom	7.4	0.1	216	21.0	8.1	8.1	29.4	29.4	98.2	98.2	7.4	7.4						4.1	
						7.4	0.1	218	21.0	8.1	8.1	29.4	29.4	98.2	98.2	7.4	7.4						4.5	3
SR4A	Cloudy	Moderate	15:59	9.1	Surface	1.0	0.0	251	22.1	22.2	8.1	8.1	28.2	28.2	114.5	114.4	8.5	8.4	3.5	3	817173	807826	3	
						1.0	0.1	243	22.2		8.1	8.1	28.2	28.2	114.3	114.3	8.5						3	
					Middle	4.6	0.0	269	21.0	8.1	8.1	29.3	29.3	110.0	109.6	8.3	3.5							
						4.6	-	271	21.0	8.1	8.1	29.4	29.4	109.1	109.1	8.2	3.6							
					Bottom	8.1	0.0	249	21.0	8.1	8.1	29.5	29.5	105.1	105.3	7.9	7.9						4.5	
						8.1	0.1	241	21.0	8.1	8.1	29.5	29.5	105.4	105.4	7.9	7.9						4.5	2
SR8	Misty	Calm	14:32	5.6	Surface	1.0	-	-	20.9	20.9	8.0	8.0	29.1	29.1	100.1	100.1	7.6	7.6	3.8	3	820376	811613	3	
						1.0	-	-	20.8		8.0	8.0	29.1	29.1	100.1	100.1	7.5						4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.6	-	-	20.9	8.0	8.0	28.6	28.1	100.3	100.4	7.5	7.6						4.1	
						4.6	-	-	20.9	8.0	8.0	27.7	27.7	100.5	100.5	7.6	7.6						4.1	3

DA: Depth-Averaged

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)							
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA									
C1	Cloudy	Moderate	11:52	8.7	Surface	1.0	0.0	148	21.1	21.1	8.0	8.0	30.1	30.1	103.9	103.9	7.8	7.8	3.6	4.9	4	5	815613	804231							
						1.0	0.0	147	21.0		8.0		30.1		103.9		7.8		3.5		5										
					Middle	4.4	0.1	160	20.5	20.5	8.0	8.0	31.5	31.5	102.7	102.7	7.7	7.7	4.7	7.7	4	7.7			4	5					
						4.4	0.1	159	20.5		8.0		31.6		102.6		7.7		4.8		5										
					Bottom	7.7	0.1	161	20.5	20.5	8.0	8.0	31.9	31.9	101.8	101.8	7.6	7.6	6.2	7.6	6	7.6			6	5					
						7.7	0.0	163	20.5		8.0		31.9		101.7		7.6		6.3		5										
					C2	Cloudy	Moderate	13:16	11.9	Surface	1.0	0.5	175	21.2	21.2	7.8	7.8	28.8	28.8	93.7	93.8	7.0			7.0	4.9	7.9	6	6	825703	806960
											1.0	0.5	179	21.2		7.8		28.8		93.8		7.0				4.9		5			
Middle	6.0	0.5	182	20.8						20.8	7.9	7.9	30.0	30.0	92.2	92.2	6.9	6.9	7.7	7.0	6	7.0	6	7							
	6.0	0.5	185	20.8							7.9		30.0		92.2		6.9		8.2		6										
Bottom	10.9	0.5	174	20.8						20.8	7.8	7.8	30.1	30.1	93.0	93.1	7.0	7.0	10.9	7.0	8	7.0	10.9	7							
	10.9	0.5	169	20.8							7.8		30.1		93.1		7.0		10.6		7										
C3	Misty	Calm	13:18	7.4						Surface	1.0	0.3	79	21.4	21.4	8.1	8.1	29.4	29.4	95.5	95.5	7.1	7.1	2.8	3.8	6	5	822125	817823		
											1.0	0.3	84	21.4		8.1		29.4		95.4		7.1		2.8		5					
					Middle	3.7	0.3	66	21.4	21.4	8.1	8.1	29.5	29.5	95.6	95.7	7.1	7.1	3.5	7.1	5	7.1	5	4							
						3.7	0.3	60	21.4		8.1		29.5		95.8		7.1		3.5		4										
					Bottom	6.4	0.3	88	21.4	21.4	8.1	8.1	29.5	29.5	96.2	96.5	7.2	7.2	5.0	7.2	5	7.2	5	4							
						6.4	0.3	80	21.4		8.1		29.5		96.7		7.2		5.0		4										
					IM1	Cloudy	Moderate	12:12	6.8	Surface	1.0	0.1	189	21.1	21.1	7.9	7.9	30.3	30.3	99.3	99.3	7.4	7.4	4.9	4.9	5	6			818354	806487
											1.0	0.1	189	21.1		7.9		30.3		99.3		7.4		4.9		6					
Middle	3.4	0.1	184	21.0						21.0	7.9	7.9	30.4	30.4	98.9	98.9	7.4	7.4	5.0	7.4	7	7.4	7	6							
	3.4	0.2	190	21.0							7.9		30.4		98.9		7.4		5.0		6										
Bottom	5.8	0.1	160	20.9						20.9	7.9	7.9	30.8	30.8	99.4	99.4	7.4	7.4	4.9	7.4	6	7.4	6	7							
	5.8	0.1	159	20.9							7.9		30.8		99.3		7.4		4.9		7										
IM2	Cloudy	Moderate	12:19	7.7						Surface	1.0	0.1	156	21.0	21.0	7.9	7.9	30.3	30.3	98.7	98.7	7.4	7.4	4.5	7.2	7	7	819178	806238		
											1.0	0.0	149	21.0		7.9		30.4		98.6		7.4		4.6		7					
					Middle	3.9	0.1	142	20.9	20.9	7.9	7.9	30.5	30.5	98.1	98.1	7.3	7.3	7.2	7.3	7	7.3	7	6							
						3.9	0.1	135	20.9		7.9		30.5		98.0		7.3		7.5		6										
					Bottom	6.7	0.1	167	20.7	20.7	7.9	7.9	31.0	31.0	97.2	97.2	7.3	7.3	9.3	7.3	7	7.3	7	6							
						6.7	0.1	174	20.7		7.9		31.0		97.2		7.3		10.0		6										
					IM7	Cloudy	Moderate	12:46	8.3	Surface	1.0	0.2	143	21.2	21.2	7.9	7.9	29.6	29.6	97.1	97.2	7.3	7.3	4.3	7.3	5	6			821371	806814
											1.0	0.2	136	21.2		7.9		29.6		97.2		7.3		4.5		6					
Middle	4.2	0.2	133	21.0						21.0	7.9	7.9	30.1	30.1	96.2	96.2	7.2	7.2	6.1	7.2	6	7.2	6	5							
	4.2	0.2	137	21.0							7.9		30.1		96.1		7.2		6.1		5										
Bottom	7.3	0.2	141	20.9						20.9	7.9	7.9	30.2	30.2	95.6	95.8	7.2	7.2	6.1	7.2	7	7.2	7	8							
	7.3	0.1	147	20.9							7.9		30.2		95.9		7.2		7.6		8										

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA					
IM10	Misty	Calm	11:29	9.0	Surface	1.0	0.2	76	21.4	21.4	8.1	8.1	28.3	28.3	92.4	92.4	6.9	6.9	4.4	4	5	822236	809850		
						1.0	0.2	73	21.4		8.1	8.1	28.4	28.4	92.3	92.3	6.9								
					Middle	4.5	0.2	68	21.4	21.4	8.1	8.1	28.4	28.4	92.0	92.1	6.9							6.9	3.3
						4.5	0.1	68	21.4		8.1	8.1	28.5	28.5	92.1	92.1	6.9							3.4	
					Bottom	8.0	0.1	76	21.4	21.4	8.1	8.1	28.5	28.5	92.2	92.3	6.9							6.9	4.3
						8.0	0.1	82	21.4		8.1	8.1	28.5	28.5	92.4	92.3	6.9							6.9	4.4
IM11	Misty	Calm	11:34	6.8	Surface	1.0	0.2	88	21.4	21.4	8.1	8.1	29.1	29.1	96.6	96.7	7.2	7.2	2.4	4	5	821499	810546		
						1.0	0.2	87	21.4		8.1	8.1	29.1	29.1	96.7	96.7	7.2								
					Middle	3.4	0.2	67	21.5	21.5	8.1	8.1	29.1	29.1	96.8	96.8	7.2							7.2	1.1
						3.4	0.1	74	21.5		8.1	8.1	29.1	29.1	96.8	96.8	7.2							7.2	1.1
					Bottom	5.8	0.2	54	21.4	21.4	8.1	8.1	29.1	29.1	96.9	97.0	7.2							7.2	2.6
						5.8	0.2	51	21.4		8.1	8.1	29.0	29.0	97.0	97.0	7.2							7.2	2.5
IM12	Misty	Calm	11:40	7.4	Surface	1.0	0.2	80	21.5	21.5	8.1	8.1	29.4	29.4	96.9	96.9	7.2	7.2	1.7	5	821164	811540			
						1.0	0.2	76	21.4		8.1	8.1	29.4	29.4	96.9	96.9	7.2								
					Middle	3.7	0.3	83	21.4	21.4	8.1	8.1	29.4	29.4	96.8	96.8	7.2						7.2	1.0	
						3.7	0.3	85	21.4		8.1	8.1	29.4	29.4	96.7	96.7	7.2						7.2	1.1	
					Bottom	6.4	0.2	106	21.4	21.4	8.1	8.1	29.5	29.5	96.7	96.7	7.2						7.2	1.6	
						6.4	0.2	109	21.4		8.1	8.1	29.5	29.5	96.7	96.7	7.2						7.2	1.5	
SR1A	Misty	Calm	11:57	5.0	Surface	1.0	0.0	77	21.5	21.5	8.1	8.1	29.5	29.5	95.3	95.4	7.1	7.1	1.7	4	5	819971	812660		
						1.0	0.0	82	21.5		8.1	8.1	29.5	29.5	95.4	95.4	7.1							7.1	1.2
					Middle	2.5	0.0	48	-	-	-	-	-	-	-	-	-							-	-
						2.5	0.0	49	-		-	-	-	-	-	-	-							-	-
					Bottom	4.0	-	60	21.4	21.4	8.1	8.1	29.5	29.5	95.6	95.8	7.1							7.1	2.2
						4.0	0.0	65	21.3		8.1	8.1	29.5	29.5	95.9	95.8	7.1							7.1	2.3
SR2	Misty	Calm	12:50	5.0	Surface	1.0	0.2	65	21.5	21.5	8.2	8.2	29.4	29.4	96.2	96.2	7.2	7.2	1.9	6	821450	814160			
						1.0	0.2	71	21.5		8.2	8.2	29.4	29.4	96.2	96.2	7.2								
					Middle	-	0.2	49	-	-	-	-	-	-	-	-	-						-		
						-	0.2	50	-		-	-	-	-	-	-	-						-		
					Bottom	4.0	0.2	76	21.5	21.5	8.2	8.2	29.4	29.4	96.2	96.2	7.2						7.2	1.9	
						4.0	0.3	69	21.4		8.2	8.2	29.4	29.4	96.2	96.2	7.2						7.2	1.9	
SR3	Cloudy	Moderate	12:54	9.6	Surface	1.0	0.4	156	21.1	21.1	7.8	7.8	29.0	29.0	92.9	92.9	7.0	7.0	5.3	5	6	822134	807576		
						1.0	0.3	162	21.1		7.8	7.8	29.0	29.0	92.9	92.9	7.0								
					Middle	4.8	0.3	154	20.9	20.9	7.8	7.8	29.6	29.6	93.4	93.5	7.0							7.0	3.2
						4.8	0.4	155	20.9		7.8	7.8	29.6	29.6	93.6	93.5	7.0							7.0	3.3
					Bottom	8.6	0.3	169	21.0	21.0	7.8	7.8	29.8	29.8	95.4	95.5	7.1							7.1	5.5
						8.6	0.3	167	21.0		7.8	7.8	29.8	29.8	95.5	95.5	7.2							7.2	5.6
SR4A	Cloudy	Moderate	11:30	9.2	Surface	1.0	0.0	105	21.3	21.1	7.9	7.9	29.9	29.9	98.9	98.9	7.4	7.4	7.1	10	11	817172	807815		
						1.0	0.1	112	21.1		7.9	7.9	29.9	29.9	98.9	98.9	7.4								
					Middle	4.6	0.0	94	20.9	20.9	7.9	7.9	30.2	30.2	98.1	98.1	7.3							7.3	6.1
						4.6	-	97	20.9		7.9	7.9	30.2	30.2	98.1	98.1	7.3							7.3	6.1
					Bottom	8.2	0.0	88	20.9	20.9	7.8	7.8	30.2	30.2	98.0	98.0	7.3							7.3	7.3
						8.2	0.0	86	20.9		7.8	7.8	30.2	30.2	98.0	98.0	7.3							7.3	7.9
SR8	Misty	Calm	11:48	4.8	Surface	1.0	-	-	21.3	21.4	8.1	8.1	29.4	29.4	97.3	97.3	7.3	7.3	3.7	5	820397	811615			
						1.0	-	-	21.4		8.1	8.1	29.4	29.4	97.3	97.3	7.3								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-						-		
						-	-	-	-		-	-	-	-	-	-	-						-		
					Bottom	3.8	-	-	21.3	21.3	8.1	8.1	29.4	29.4	97.5	97.6	7.3						7.3	2.6	
						3.8	-	-	21.3		8.1	8.1	29.4	29.4	97.6	97.6	7.3						7.3	2.7	

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 March 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	08:22	8.6	Surface	1.0	0.5	24	20.9	20.9	8.0	8.0	30.3	30.3	99.3	99.3	7.4	7.4	9.0	9.3	8	8	815596	804233
						1.0	0.5	20	20.9		8.0	30.3	99.3	7.4	9.3									
					Middle	4.3	0.4	27	20.9	20.9	8.0	8.0	30.4	30.4	99.1	99.1	7.4	7.4	10.3	7.4	8			
						4.3	0.4	24	20.9		8.0	30.4	99.1	7.4	10.4									
					Bottom	7.6	0.4	44	20.9	20.9	7.9	7.9	30.3	30.3	98.7	98.7	7.4	7.4	8.6	7.4	8			
						7.6	0.4	49	20.9		7.9	30.3	98.7	7.4	8.2									
C2	Cloudy	Moderate	06:42	11.2	Surface	1.0	0.1	353	21.1	21.1	7.8	7.8	27.7	27.7	90.6	90.6	6.9	6.9	4.8	6.9	8	8	825664	806923
						1.0	0.1	349	21.1		7.8	27.7	90.6	6.9	4.8									
					Middle	5.6	0.2	349	21.0	21.0	7.8	7.8	28.0	28.1	91.0	91.1	6.9	6.9	5.4	6.9	8			
						5.6	0.1	351	21.0		7.8	28.1	91.1	6.9	5.6									
					Bottom	10.2	0.2	329	21.0	21.0	7.8	7.8	28.2	28.1	91.3	91.3	6.9	6.9	10.8	6.9	8			
						10.2	0.2	327	21.0		7.8	28.1	91.3	6.9	10.3									
C3	Misty	Calm	07:53	9.8	Surface	1.0	0.5	264	21.4	21.4	8.1	8.1	29.4	29.4	91.8	91.8	6.8	6.8	4.6	5.4	5	5	822111	817782
						1.0	0.6	266	21.4		8.1	29.4	29.4	91.7	6.8	4.6								
					Middle	4.9	0.5	276	21.4	21.4	8.1	8.1	29.4	29.4	91.0	91.0	6.8	6.8	5.1	6.8	5			
						4.9	0.5	275	21.4		8.1	29.4	90.9	6.7	5.2									
					Bottom	8.8	0.5	275	21.4	21.4	8.1	8.1	29.4	29.4	91.0	91.1	6.8	6.8	6.4	6.8	4			
						8.8	0.5	282	21.4		8.1	29.3	91.2	6.8	6.3									
IM1	Cloudy	Moderate	07:47	6.8	Surface	1.0	0.3	28	20.9	20.9	7.9	7.9	30.1	30.1	98.6	98.6	7.4	7.4	6.8	8.8	9	10	818352	806477
						1.0	0.3	20	20.9		7.9	30.1	98.6	7.4	6.8									
					Middle	3.4	0.3	16	20.9	20.9	7.9	7.9	30.2	30.2	98.6	98.6	7.4	7.4	8.4	7.4	10			
						3.4	0.3	13	20.9		7.9	30.2	98.6	7.4	9.2									
					Bottom	5.8	0.3	1	20.9	20.9	7.9	7.9	30.2	30.2	99.0	99.1	7.4	7.4	10.7	7.4	11			
						5.8	0.2	0	20.9		7.9	30.2	99.1	7.4	10.9									
IM2	Cloudy	Moderate	07:40	7.2	Surface	1.0	0.3	20	21.0	21.0	7.9	7.9	29.8	29.9	98.4	98.3	7.4	7.4	8.1	9.8	8	8	819197	806237
						1.0	0.3	18	21.0		7.9	29.9	98.2	7.4	8.4									
					Middle	3.6	0.3	3	20.9	20.9	7.9	7.9	30.0	30.0	97.6	97.6	7.3	7.3	10.8	7.3	7			
						3.6	0.2	359	20.9		7.9	30.1	97.6	7.3	10.2									
					Bottom	6.2	0.3	15	20.9	20.9	7.9	7.9	30.1	30.1	97.5	97.6	7.3	7.3	10.8	7.3	9			
						6.2	0.3	12	20.9		7.9	30.1	97.6	7.3	10.3									
IM7	Cloudy	Moderate	07:16	8.2	Surface	1.0	0.2	331	21.0	21.0	7.8	7.8	28.5	28.5	93.7	93.8	7.1	7.1	5.0	9.7	8	8	821325	806845
						1.0	0.2	328	21.0		7.8	28.6	93.8	7.1	5.2									
					Middle	4.1	0.2	346	20.9	20.9	7.8	7.8	29.7	29.7	94.7	94.8	7.1	7.1	11.5	7.1	8			
						4.1	0.2	342	20.9		7.8	29.7	94.8	7.1	11.7									
					Bottom	7.2	0.2	342	20.9	20.9	7.8	7.8	29.9	29.9	94.9	95.0	7.1	7.1	12.1	7.1	8			
						7.2	0.2	341	20.9		7.8	29.9	95.0	7.1	12.6									

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Water Quality Monitoring

Water Quality Monitoring Results on 21 March 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	09:00	8.6	Surface	1.0	0.4	290	21.4	21.4	8.1	8.1	27.7	27.8	93.9	94.0	7.0	7.0	4.6	6	6	822258	809860	
						1.0	0.4	287	21.4		8.1	8.1	27.9	27.9	94.1	94.0	7.0							
					Middle	4.3	0.3	278	21.4	21.4	8.1	8.1	28.9	29.0	94.2	94.3	7.0	7.0	4.6	6	6			
						4.3	0.3	270	21.4		8.1	8.1	29.1	29.1	94.4	94.3	7.0							
					Bottom	7.6	0.4	275	21.4	21.4	8.1	8.1	29.4	29.3	94.8	94.9	7.0	7.1	5.9	6	7			
						7.6	0.4	281	21.4		8.1	8.1	29.3	29.3	95.0	94.9	7.1							
IM11	Misty	Calm	08:55	8.0	Surface	1.0	0.4	272	21.4	21.5	8.1	8.1	26.6	26.7	94.8	94.9	7.1	7.1	3.6	7	7	821520	810543	
						1.0	0.4	269	21.5		8.1	8.1	26.7	26.7	95.0	94.9	7.1							
					Middle	4.0	0.4	291	21.5	21.5	8.1	8.1	28.9	28.9	95.2	95.2	7.1	7.1	3.3	6	7			
						4.0	0.3	284	21.4		8.1	8.1	28.9	28.9	95.2	95.2	7.1							
					Bottom	7.0	0.4	290	21.4	21.4	8.1	8.1	29.7	29.7	95.2	95.2	7.1	7.1	4.5	7	7			
						7.0	0.4	283	21.4		8.1	8.1	29.7	29.7	95.2	95.2	7.1							
IM12	Misty	Calm	08:50	7.2	Surface	1.0	0.4	298	21.4	21.5	8.1	8.1	27.8	27.9	96.0	96.0	7.2	7.2	2.6	5	4	821147	811533	
						1.0	0.5	294	21.5		8.1	8.1	27.9	27.9	96.0	96.0	7.2							
					Middle	3.6	0.4	302	21.4	21.4	8.1	8.1	28.1	28.2	95.9	95.9	7.2	7.2	2.8	5	6			
						3.6	0.4	296	21.4		8.1	8.1	28.2	28.2	95.9	95.9	7.2							
					Bottom	6.2	0.4	275	21.4	21.4	8.1	8.1	28.5	28.5	95.8	95.7	7.1	7.1	3.0	5	6			
						6.2	0.4	271	21.4		8.1	8.1	28.5	28.5	95.6	95.7	7.1							
SR1A	Misty	Calm	08:28	4.4	Surface	1.0	0.1	203	21.4	21.4	8.1	8.1	28.3	28.3	94.7	94.8	7.1	7.1	2.6	4	3	819978	812655	
						1.0	0.1	200	21.4		8.1	8.1	28.3	28.3	94.9	94.8	7.1							
					Middle	2.2	-	207	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.2	0.0	210	-		-	-	-	-	-	-	-							
					Bottom	3.4	0.0	198	21.5	21.5	8.1	8.1	28.3	28.2	95.8	95.9	7.1	7.2	2.7	4	5			
						3.4	0.1	194	21.5		8.1	8.1	28.2	28.2	95.9	95.9	7.2							
SR2	Misty	Calm	08:13	4.2	Surface	1.0	0.1	246	21.4	21.4	8.1	8.1	30.0	30.0	95.7	95.7	7.1	7.1	1.7	4	4	821462	814180	
						1.0	0.2	241	21.4		8.1	8.1	30.0	30.0	95.7	95.7	7.1							
					Middle	-	0.1	241	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	0.1	245	-		-	-	-	-	-	-								
					Bottom	3.2	0.1	248	21.4	21.4	8.1	8.1	30.1	30.1	95.8	95.8	7.1	7.1	2.2	5	4			
						3.2	0.1	249	21.4		8.1	8.1	30.1	30.1	95.8	95.8	7.1							
SR3	Cloudy	Moderate	07:05	8.2	Surface	1.0	0.2	330	21.0	21.0	7.9	7.9	27.9	27.9	90.6	90.6	6.9	6.9	5.1	8	7	822140	807567	
						1.0	0.3	334	21.0		7.9	7.9	28.0	28.0	90.6	90.6	6.9							
					Middle	4.1	0.2	325	21.0	21.0	7.9	7.9	28.2	28.2	90.7	90.7	6.9	6.9	5.1	8				
						4.1	0.3	320	21.0		7.9	7.9	28.2	28.2	90.7	90.7	6.9							
					Bottom	7.2	0.3	331	21.0	21.0	7.9	7.9	28.4	28.4	90.5	90.5	6.8	6.8	6.0	8				
						7.2	0.2	327	21.0		7.9	7.9	28.4	28.4	90.4	90.4	6.8							
SR4A	Cloudy	Moderate	08:50	8.8	Surface	1.0	0.0	253	20.9	20.9	7.9	7.9	30.2	30.2	98.3	98.3	7.4	7.4	11.4	8	7	817174	807833	
						1.0	0.0	249	20.9		7.9	7.9	30.2	30.2	98.3	98.3	7.4							
					Middle	4.4	0.0	262	20.9	20.9	7.9	7.9	30.4	30.4	98.0	98.0	7.3	7.3	12.4	8				
						4.4	0.1	268	20.9		7.9	7.9	30.4	30.4	98.0	98.0	7.3							
					Bottom	7.8	0.0	277	20.9	20.9	7.9	7.9	30.4	30.4	98.0	98.0	7.3	7.3	12.8	8				
						7.8	0.0	270	20.9		7.9	7.9	30.4	30.4	98.0	98.0	7.3							
SR8	Misty	Calm	08:45	5.0	Surface	1.0	-	-	21.3	21.4	8.1	8.1	29.1	29.1	96.6	96.6	7.2	7.2	3.5	6	4	820407	811621	
						1.0	-	-	21.4		8.1	8.1	29.1	29.1	96.5	96.5	7.2							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-		-	-	-	-	-	-								
					Bottom	4.0	-	-	21.5	21.5	8.1	8.1	29.2	29.2	95.9	95.8	7.1	7.1	4.4	6				
						4.0	-	-	21.5		8.1	8.1	29.2	29.2	95.7	95.7	7.1							

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 23 March 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	14:18	8.5	Surface	1.0	0.4	197	21.7	8.0	8.0	30.4	30.4	96.4	96.4	7.1	7.1	7.1	8.8	7	7	7	7	7	815623	804230															
						1.0	0.4	203	21.7	8.0	8.0	30.4	30.4	96.3	96.4	7.1											7.8														
					Middle	4.3	0.4	210	21.6	8.0	8.0	30.6	30.6	95.9	95.9	7.1											9.4														
						4.3	0.4	207	21.6	8.0	8.0	30.6	30.6	95.9	95.9	7.1											9.4														
					Bottom	7.5	0.4	205	21.5	8.0	8.0	30.7	30.7	95.7	95.8	7.1											9.6														
						7.5	0.4	198	21.5	8.0	8.0	30.7	30.7	95.8	95.8	7.1											9.3														
					C2	Cloudy	Moderate	12:39	11.5	Surface	1.0	0.2	149	21.8	8.0	8.0											29.2	29.2	95.0	95.0	7.0	7.0	7.0	7.2	6	6	6	6	6	825696	806938
											1.0	0.2	146	21.8	8.0	8.0											29.2	29.2	95.0	95.0	7.0										
Middle	5.8	0.1	141	21.8						8.0	8.0	29.3	29.3	94.7	94.7	7.0	6.2																								
	5.8	0.1	140	21.8						8.0	8.0	29.3	29.3	94.6	94.7	7.0	6.9																								
Bottom	10.5	0.2	177	21.8						8.0	8.0	29.3	29.3	94.7	94.7	7.0	9.6																								
	10.5	0.2	180	21.8						8.0	8.0	29.3	29.3	94.7	94.7	7.0	9.5																								
C3	Misty	Moderate	13:30	7.2						Surface	1.0	0.4	90	21.3	8.2	8.2	30.2	30.2	94.4	94.3	7.0	7.0	7.0	5.3	9	10	10	10	10	822125	817825										
											1.0	0.4	96	21.3	8.2	8.2	30.2	30.2	94.2	94.3	7.0																				
					Middle	3.6	0.4	64	21.0	8.2	8.2	30.5	30.5	94.1	94.3	7.0	5.7																								
						3.6	0.4	63	21.0	8.2	8.2	30.6	30.6	94.5	94.5	7.0	5.6																								
					Bottom	6.2	0.4	88	20.9	8.2	8.2	30.8	30.8	94.4	94.5	7.0	6.0																								
						6.2	0.4	88	20.9	8.2	8.2	30.8	30.8	94.6	94.5	7.0	6.1																								
					IM1	Cloudy	Moderate	13:54	6.2	Surface	1.0	0.2	186	21.6	8.1	8.1	30.7	30.7	99.0	98.9	7.3											7.3	7.3	6.3	7	6	6	6	6	818356	806465
											1.0	0.2	188	21.6	8.1	8.1	30.7	30.7	98.8	98.9	7.3																				
Middle	3.1	0.2	174	21.6						8.0	8.0	30.7	30.7	98.2	98.2	7.2	6.8																								
	3.1	0.2	175	21.6						8.0	8.0	30.7	30.7	98.1	98.2	7.2	7.0																								
Bottom	5.2	0.3	188	21.5						8.0	8.0	30.7	30.7	97.8	97.8	7.2	7.0																								
	5.2	0.3	184	21.5						8.0	8.0	30.7	30.7	97.7	97.8	7.2	6.3																								
IM2	Cloudy	Moderate	13:49	7.5						Surface	1.0	0.2	176	21.7	8.1	8.1	30.6	30.6	99.0	99.0	7.3	7.3	7.3	5.9	6	6	6	6	7	819172	806235										
											1.0	0.2	171	21.6	8.1	8.1	30.6	30.6	98.9	99.0	7.3																				
					Middle	3.8	0.2	195	21.6	8.0	8.0	30.6	30.6	98.0	98.0	7.2	3.7																								
						3.8	0.2	195	21.6	8.0	8.0	30.6	30.6	97.9	98.0	7.2	4.0																								
					Bottom	6.5	0.2	169	21.6	8.0	8.0	30.6	30.6	97.7	97.7	7.2	10.1																								
						6.5	0.2	168	21.6	8.0	8.0	30.6	30.6	97.7	97.7	7.2	10.2																								
					IM7	Cloudy	Moderate	13:14	8.7	Surface	1.0	0.2	93	21.7	8.0	8.0	29.8	29.8	95.3	95.3	7.1											7.1	7.1	10.9	10	9	10	10	10	821333	806833
											1.0	0.3	87	21.6	8.0	8.0	29.9	29.8	95.3	95.3	7.1																				
Middle	4.4	0.2	99	21.6						8.0	8.0	30.1	30.1	95.1	95.2	7.0	11.4																								
	4.4	0.2	100	21.6						8.0	8.0	30.1	30.1	95.2	95.2	7.0	11.5																								
Bottom	7.7	0.2	111	21.6						8.0	8.0	30.1	30.1	95.2	95.2	7.0	12.3																								
	7.7	0.3	115	21.6						8.0	8.0	30.1	30.1	95.2	95.2	7.0	12.4																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)											
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA													
IM10	Misty	Moderate	12:35	9.0	Surface	1.0	0.2	68	21.3	8.2	8.2	30.2	30.2	92.1	92.1	6.8	6.8	6.8	6.5	10	822261	809841	11												
						1.0	0.3	68	21.2	8.2	8.2	30.2	30.2	92.0	92.0	6.8							5.0	10											
					Middle	4.5	0.2	68	21.2	8.2	8.2	30.3	30.3	92.0	92.0	6.8							6.6	10											
						4.5	0.2	74	21.2	8.2	8.2	30.3	30.3	91.9	92.0	6.8							6.5	9											
					Bottom	8.0	0.2	77	21.2	8.2	8.2	30.3	30.3	92.0	92.0	6.8							7.8	9											
						8.0	0.2	80	21.2	8.2	8.2	30.3	30.3	92.0	92.0	6.8							7.9	8											
					IM11	Misty	Moderate	12:40	7.0	Surface	1.0	0.3	82	21.2	8.2	8.2							30.1	30.1	92.6	92.7	6.9	6.9	7.0	5.8	9	821481	810561	9	
											1.0	0.3	80	21.2	8.2	8.2							30.1	30.1	92.7	92.7	6.9							5.0	8
Middle	3.5	0.3	98	21.2						8.2	8.2	30.2	30.2	93.1	93.2	6.9	5.8	9																	
	3.5	0.3	93	21.2						8.2	8.2	30.2	30.2	93.3	93.2	6.9	5.9	8																	
Bottom	6.0	0.3	67	21.2						8.2	8.2	30.2	30.0	94.1	94.3	7.0	6.6	9																	
	6.0	0.3	73	21.7						8.2	8.2	29.8	30.0	94.5	94.3	7.0	6.6	9																	
IM12	Misty	Moderate	12:45	7.2						Surface	1.0	0.3	104	21.4	8.1	8.1	29.5	29.5	92.5	92.7	6.9	6.9	7.0	4.4	9	821140	811499							9	
											1.0	0.3	102	21.4	8.1	8.1	29.5	29.5	92.8	92.7	6.9													3.1	8
					Middle	3.6	0.2	99	21.6	8.1	8.1	29.5	29.5	93.1	93.2	6.9	4.5	8																	
						3.6	0.3	95	21.6	8.1	8.1	29.6	29.5	93.3	93.2	6.9	4.4	9																	
					Bottom	6.2	0.3	74	21.7	8.1	8.1	29.5	29.5	94.8	95.2	7.0	5.7	10																	
						6.2	0.3	71	21.8	8.1	8.1	29.5	29.5	95.6	95.2	7.0	5.6	9																	
					SR1A	Misty	Moderate	12:57	4.8	Surface	1.0	0.0	23	21.4	8.2	8.2	29.8	29.8	91.7	91.8	6.8							6.8	6.8	5.1	11	819974	812655	11	
											1.0	0.0	27	21.4	8.2	8.2	29.8	29.8	91.9	91.8	6.8													5.0	10
Middle	2.4	0.0	22	-						-	-	-	-	-	-	-	-	-	-																
	2.4	0.0	16	-						-	-	-	-	-	-	-	-	-	-																
Bottom	3.8	0.0	19	21.4						8.2	8.2	29.8	29.8	92.3	92.5	6.8	5.2	12																	
	3.8	0.0	17	21.4						8.2	8.2	29.8	29.8	92.6	92.5	6.8	5.2	10																	
SR2	Misty	Moderate	13:13	4.6						Surface	1.0	0.2	62	21.8	8.1	8.1	29.7	29.7	95.2	95.4	7.0	7.0	7.1	3.8	10	821483	814152							11	
											1.0	0.3	67	21.8	8.1	8.1	29.7	29.7	95.6	95.4	7.0													3.5	10
					Middle	-	0.3	50	-	-	-	-	-	-	-	-	-	-	-																
						-	0.2	49	-	-	-	-	-	-	-	-	-	-	-																
					Bottom	3.6	0.3	34	21.9	8.1	8.1	29.6	29.6	96.3	96.6	7.1	4.1	9																	
						3.6	0.3	41	22.0	8.1	8.1	29.6	29.6	96.9	96.6	7.1	4.1	9																	
					SR3	Cloudy	Moderate	13:07	8.4	Surface	1.0	0.2	117	21.8	8.0	8.0	29.1	29.1	94.9	95.0	7.0							7.0	7.0	9.0	8	822169	807587	11	
											1.0	0.2	110	21.8	8.0	8.0	29.2	29.1	95.0	95.0	7.0													8.0	11
Middle	4.2	0.2	117	21.7						8.0	8.0	29.5	29.5	95.2	95.2	7.0	9.0	9																	
	4.2	0.2	120	21.7						8.0	8.0	29.5	29.5	95.2	95.2	7.0	9.2	8																	
Bottom	7.4	0.2	95	21.7						8.0	8.0	29.5	29.5	95.0	95.0	7.0	9.8	5																	
	7.4	0.2	97	21.7						8.0	8.0	29.5	29.5	94.9	95.0	7.0	9.4	6																	
SR4A	Cloudy	Moderate	14:42	8.4						Surface	1.0	0.0	50	21.7	8.0	8.0	30.3	30.2	99.2	99.2	7.3	7.3	7.0	4.8	7	817194	807809							6	
											1.0	0.0	45	21.7	8.0	8.0	30.2	30.2	99.2	99.2	7.3													3.2	6
					Middle	4.2	0.0	61	21.7	8.0	8.0	30.3	30.3	97.2	97.2	7.2	5.6	7																	
						4.2	0.0	65	21.7	8.0	8.0	30.3	30.3	97.2	97.2	7.2	5.7	6																	
					Bottom	7.4	0.0	29	21.7	8.0	8.0	30.3	30.3	95.4	95.4	7.0	5.8	8																	
						7.4	0.0	34	21.7	8.0	8.0	30.3	30.3	95.4	95.4	7.0	5.7	8																	
					SR8	Misty	Moderate	12:49	5.4	Surface	1.0	-	-	21.7	8.1	8.1	29.5	29.5	94.1	94.2	6.9							6.9	7.1	6.0	6	820382	811625	7	
											1.0	-	-	21.7	8.1	8.1	29.5	29.5	94.3	94.2	6.9													5.5	6
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-																	
	-	-	-	-						-	-	-	-	-	-	-	-	-																	
Bottom	4.4	-	-	21.8						8.1	8.1	29.5	29.5	95.4	95.8	7.0	6.6	6																	
	4.4	-	-	21.9						8.1	8.1	29.4	29.5	96.2	95.8	7.1	6.4	6																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 23 March 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	08:14	8.4	Surface	1.0	0.5	20	21.3	21.3	8.1	8.1	31.0	31.0	94.6	94.5	7.0	7.0	5.7	7.7	10	9	815623	804268			
						1.0	0.5	14	21.2	8.1	8.1	31.0	31.0	94.3	94.5	7.0	7.0	5.8	7.7	10							
					Middle	4.2	0.4	17	21.3	21.3	8.0	8.0	31.1	31.1	93.8	93.8	6.9	6.9	7.4	7.7	9				9	815623	804268
						4.2	0.4	22	21.3	21.3	8.0	8.0	31.1	31.1	93.8	93.8	6.9	6.9	8.0	7.7	9						
					Bottom	7.4	0.4	25	21.3	21.3	8.0	8.0	31.0	31.0	98.3	98.4	7.3	7.3	9.8	7.7	9				9	815623	804268
						7.4	0.4	18	21.3	21.3	8.0	8.0	31.0	31.0	98.4	98.4	7.3	7.3	9.7	7.7	9						
C2	Cloudy	Moderate	09:26	12.2	Surface	1.0	0.5	347	21.8	21.8	8.0	8.0	29.2	29.2	95.9	95.9	7.1	7.1	8.2	9.3	11	825678	806952				
						1.0	0.5	347	21.8	21.8	8.0	8.0	29.2	29.2	95.9	95.9	7.1	7.1	8.0					7.1	12		
					Middle	6.1	0.5	336	21.8	21.8	8.0	8.0	29.3	29.3	95.5	95.6	7.1	7.1	9.2					7.1	10	825678	806952
						6.1	0.5	332	21.8	21.8	8.0	8.0	29.3	29.3	95.6	95.6	7.1	7.1	9.8								
					Bottom	11.2	0.6	354	21.8	21.8	8.0	8.0	29.3	29.3	95.7	95.8	7.1	7.1	10.3					7.1	10	825678	806952
						11.2	0.5	1	21.8	21.8	8.0	8.0	29.3	29.3	95.8	95.8	7.1	7.1	10.5								
C3	Misty	Moderate	08:52	12.4	Surface	1.0	0.5	271	20.8	20.8	7.8	7.8	30.4	30.4	88.7	88.7	6.6	6.6	5.8	6.5	10	822109	817794				
						1.0	0.5	264	20.8	20.8	7.8	7.8	30.4	30.4	88.6	88.7	6.6	6.6	6.0					6.7	10		
					Middle	6.2	0.6	282	20.8	20.8	7.8	7.8	30.3	30.3	88.7	88.8	6.7	6.7	6.5					6.7	9	822109	817794
						6.2	0.6	284	20.8	20.8	7.8	7.8	30.3	30.3	88.8	88.8	6.7	6.7	6.6								
					Bottom	11.4	0.5	281	20.8	20.8	7.8	7.8	30.1	30.1	90.3	90.4	6.8	6.8	7.0					6.8	9	822109	817794
						11.4	0.5	281	20.8	20.8	7.8	7.8	30.0	30.1	90.5	90.4	6.8	6.8	7.1								
IM1	Cloudy	Moderate	08:26	6.0	Surface	1.0	0.3	9	21.5	21.5	8.1	8.1	30.5	30.5	99.5	99.5	7.4	7.4	4.7	6.2	13	818332	806456				
						1.0	0.3	2	21.5	21.5	8.1	8.1	30.5	30.5	99.5	99.5	7.4	7.4	4.8					7.4	14		
					Middle	3.0	0.3	12	21.4	21.4	8.1	8.0	30.8	30.8	98.7	98.7	7.3	7.3	6.4					7.3	13	818332	806456
						3.0	0.3	15	21.4	21.4	8.0	8.0	30.8	30.8	98.6	98.6	7.3	7.3	6.5								
					Bottom	5.0	0.3	22	21.4	21.4	8.0	8.0	31.0	30.9	98.1	98.1	7.3	7.3	7.3					7.3	12	818332	806456
						5.0	0.3	27	21.4	21.4	8.0	8.0	30.9	30.9	98.0	98.1	7.2	7.2	7.4								
IM2	Cloudy	Moderate	08:31	6.9	Surface	1.0	0.2	5	21.5	21.5	8.1	8.1	30.7	30.7	99.1	99.1	7.3	7.3	5.4	6.1	9	819189	806239				
						1.0	0.3	0	21.5	21.5	8.1	8.1	30.7	30.7	99.1	99.1	7.3	7.3	5.5					7.3	10		
					Middle	3.5	0.2	0	21.5	21.5	8.0	8.0	30.7	30.7	98.9	98.9	7.3	7.3	6.3					7.3	8	819189	806239
						3.5	0.2	0	21.5	21.5	8.0	8.0	30.8	30.8	98.8	98.8	7.3	7.3	6.3								
					Bottom	5.9	0.3	356	21.5	21.5	8.0	8.0	30.8	30.7	98.6	98.6	7.3	7.3	6.4					7.3	7	819189	806239
						5.9	0.3	358	21.5	21.5	8.0	8.0	30.7	30.7	98.6	98.6	7.3	7.3	6.5								
IM7	Cloudy	Moderate	08:52	8.4	Surface	1.0	0.2	342	21.7	21.7	8.0	8.0	29.5	29.6	93.6	93.6	6.9	6.9	6.9	9.0	11	821351	806837				
						1.0	0.2	341	21.7	21.7	8.0	8.0	29.6	29.6	93.6	93.6	6.9	6.9	7.4					6.9	12		
					Middle	4.2	0.2	358	21.6	21.6	8.0	8.0	29.9	29.9	93.6	93.6	6.9	6.9	9.5					6.9	12	821351	806837
						4.2	0.2	352	21.6	21.6	8.0	8.0	29.9	29.9	93.6	93.6	6.9	6.9	9.6								
					Bottom	7.4	0.3	335	21.6	21.6	8.0	8.0	30.0	29.9	94.1	94.1	7.0	7.0	10.2					7.0	9	821351	806837
						7.4	0.3	327	21.6	21.6	8.0	8.0	29.9	29.9	94.1	94.1	7.0	7.0	10.6								

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 23 March 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA												
IM10	Misty	Moderate	10:00	8.6	Surface	1.0	0.3	312	21.3	21.3	8.2	8.2	30.2	30.2	93.4	93.4	6.9	6.9	7.3	6.6	11	12	822247	809843										
						1.0	0.3	315	21.3	8.2	8.2	30.2	30.2	93.4	93.4	6.9	6.6			10														
					Middle	4.3	0.3	282	21.5	21.5	8.1	8.1	30.1	30.0	93.5	93.6	6.9			7.4	11													
						4.3	0.3	278	21.5	21.5	8.1	8.1	30.0	30.0	93.6	93.6	6.9			7.5	10													
					Bottom	7.6	0.3	295	21.7	21.8	8.1	8.1	29.9	29.9	94.1	94.2	7.0			8.0	13													
						7.6	0.3	299	21.8	21.8	8.1	8.1	29.9	29.9	94.2	94.2	6.9			8.0	14													
					IM11	Misty	Moderate	09:56	8.0	Surface	1.0	0.3	279	21.4	21.5	8.2	8.2			29.6	29.6				95.2	95.3	7.0	7.1	6.2	5.1	11	9	821501	810550
											1.0	0.3	281	21.5	21.5	8.2	8.2			29.6	29.6				95.3	95.3	7.0			5.1	11			
Middle	4.0	0.3	296	21.6						21.7	8.2	8.2	29.6	29.6	95.9	96.1	7.1	6.4	9															
	4.0	0.4	290	21.7						21.7	8.2	8.2	29.6	29.6	96.3	96.3	7.1	6.5	10															
Bottom	7.0	0.4	268	21.9						21.9	8.2	8.2	29.5	29.4	97.2	97.7	7.1	7.0	7															
	7.0	0.4	263	21.9						21.9	8.2	8.2	29.4	29.4	98.1	98.1	7.2	7.0	7															
IM12	Misty	Moderate	09:50	7.6						Surface	1.0	0.4	300	21.5	21.5	8.1	8.1	29.6	29.6	94.0	94.1	6.9	7.0	4.4	3.4	7	9			821149	811514			
											1.0	0.5	303	21.5	21.5	8.1	8.1	29.5	29.6	94.2	94.2	7.0			3.4	8								
					Middle	3.8	0.4	304	21.7	21.7	8.1	8.1	29.6	29.6	95.2	95.3	7.0	4.8	8															
						3.8	0.3	310	21.7	21.7	8.1	8.1	29.6	29.6	95.4	95.4	7.0	4.9	8															
					Bottom	6.6	0.4	306	21.9	22.0	8.1	8.1	29.4	29.4	96.6	96.9	7.1	4.9	11															
						6.6	0.4	304	22.0	22.0	8.1	8.1	29.4	29.4	97.2	97.2	7.1	4.9	10															
					SR1A	Misty	Moderate	09:28	5.0	Surface	1.0	0.0	211	21.6	21.6	7.8	7.8	29.7	29.7	93.6	93.7	6.9			6.9	4.2		3.3	11			10	819982	812662
											1.0	0.1	208	21.6	21.6	7.8	7.8	29.7	29.7	93.7	93.7	6.9						3.3	10					
Middle	2.5	0.0	217	-						-	-	-	-	-	-	-	-	-	-	-														
	2.5	0.1	212	-						-	-	-	-	-	-	-	-	-	-	-														
Bottom	4.0	0.0	207	21.8						21.9	7.8	7.8	29.6	29.5	94.9	95.2	7.0	5.0	9															
	4.0	0.1	207	21.9						21.9	7.8	7.8	29.5	29.5	95.5	95.5	7.1	5.0	10															
SR2	Misty	Moderate	09:15	4.2						Surface	1.0	0.0	239	21.4	21.4	7.8	7.8	29.9	29.9	93.8	93.9	7.0	7.0	6.9			6.6	11	10	821475	814170			
											1.0	0.1	245	21.4	21.4	7.8	7.8	29.9	29.9	93.9	93.9	7.0					6.8	11						
					Middle	-	0.0	238	-	-	-	-	-	-	-	-	-	-	-															
						-	0.0	233	-	-	-	-	-	-	-	-	-	-	-															
					Bottom	3.2	0.0	247	21.3	21.3	7.8	7.8	29.9	29.9	94.4	94.6	7.0	7.1	8															
						3.2	0.0	248	21.3	21.3	7.8	7.8	29.9	29.9	94.7	94.7	7.0	7.0	10															
					SR3	Cloudy	Moderate	08:58	8.9	Surface	1.0	0.3	347	21.7	21.7	8.0	8.0	29.2	29.3	95.6	95.7	7.1			7.1	9.3	9.7	12				11	822167	807561
											1.0	0.4	339	21.7	21.7	8.0	8.0	29.3	29.3	95.7	95.7	7.1					9.0	13						
Middle	4.5	0.4	340	21.7						21.7	8.0	8.0	29.7	29.7	95.8	95.8	7.1	9.6	11															
	4.5	0.4	339	21.7						21.7	8.0	8.0	29.7	29.7	95.7	95.7	7.1	9.5	12															
Bottom	7.9	0.4	335	21.7						21.7	8.0	8.0	29.8	29.8	95.6	95.6	7.1	9.0	10															
	7.9	0.4	330	21.7						21.7	8.0	8.0	29.8	29.8	95.5	95.5	7.1	8.8	9															
SR4A	Cloudy	Moderate	07:55	9.0						Surface	1.0	0.0	207	21.6	21.6	8.1	8.1	30.2	30.2	95.2	95.2	7.0	7.0	11.2			10.0	11	12	817176	807805			
											1.0	0.1	203	21.6	21.6	8.1	8.1	30.2	30.2	95.2	95.2	7.0					10.2	11						
					Middle	4.5	0.0	218	21.6	21.6	8.0	8.0	30.2	30.2	95.1	95.1	7.0	11.1	12															
						4.5	0.0	224	21.6	21.6	8.0	8.0	30.2	30.2	95.1	95.1	7.0	11.4	12															
					Bottom	8.0	0.0	223	21.6	21.6	8.0	8.0	30.3	30.3	95.4	95.5	7.1	12.1	14															
						8.0	0.0	226	21.6	21.6	8.0	8.0	30.3	30.3	95.5	95.5	7.1	12.2	13															
					SR8	Misty	Moderate	09:46	4.4	Surface	1.0	-	-	21.5	21.5	8.1	8.1	29.8	29.8	95.7	95.8	7.1			7.1	5.7	5.3	12				14	820406	811624
											1.0	-	-	21.5	21.5	8.1	8.1	29.8	29.8	95.9	95.9	7.1					5.4	11						
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-															
	-	-	-	-						-	-	-	-	-	-	-	-	-	-															
Bottom	3.4	-	-	21.6						21.7	8.1	8.1	29.7	29.6	97.1	97.4	7.2	6.0	16															
	3.4	-	-	21.7						21.7	8.1	8.1	29.6	29.6	97.6	97.6	7.2	6.1	15															

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 25 March 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	Rough	15:19	8.3	Surface	1.0	0.5	201	21.7	7.9	7.9	31.1	31.1	95.1	95.2	7.0	7.0	9.1	10.1	4	815600	804227	3	
						1.0	0.5	200	21.7	7.9	7.9	31.1	31.1	95.2	95.2	7.0							4	
					Middle	4.2	0.5	217	21.7	7.9	7.9	31.1	31.1	95.5	95.5	7.0							10.2	4
						4.2	0.5	215	21.7	7.9	7.9	31.1	31.1	95.5	95.5	7.0							10.2	4
					Bottom	7.3	0.4	222	21.7	7.9	7.9	31.1	31.1	95.1	95.1	7.0							11.0	5
						7.3	0.4	221	21.7	7.9	7.9	31.1	31.1	95.1	95.1	7.0							11.0	4
C2	Rainy	Rough	13:46	11.5	Surface	1.0	0.1	163	22.4	7.8	7.8	28.2	28.3	93.5	93.5	6.9	6.9	5.5	10.2	4	825702	806961	5	
						1.0	0.1	167	22.3	7.8	7.8	28.3	28.3	93.4	93.4	6.9							6.1	5
					Middle	5.8	0.2	141	22.2	7.8	7.8	28.7	28.7	92.8	92.8	6.8							10.7	4
						5.8	0.1	134	22.2	7.8	7.8	28.8	28.8	92.8	92.8	6.8							11.5	5
					Bottom	10.5	0.2	169	22.2	7.8	7.8	28.9	29.0	92.6	92.6	6.8							13.7	3
						10.5	0.1	174	22.2	7.8	7.8	29.0	29.0	92.6	92.6	6.8							13.9	4
C3	Rainy	Rough	14:58	7.8	Surface	1.0	0.4	66	21.3	8.0	8.0	30.8	30.8	90.8	90.9	6.7	6.7	1.7	2.8	9	822092	817823	10	
						1.0	0.5	69	21.4	8.0	8.0	30.7	30.7	90.9	90.9	6.7							1.8	9
					Middle	3.9	0.5	72	21.6	8.0	8.0	30.6	30.6	91.2	91.3	6.7							2.9	9
						3.9	0.5	77	21.7	8.0	8.0	30.5	30.5	91.4	91.4	6.7							2.8	8
					Bottom	6.8	0.5	55	21.9	8.0	8.0	30.4	30.4	92.0	92.2	6.8							3.9	8
						6.8	0.5	50	22.0	8.0	8.0	30.3	30.4	92.3	92.2	6.8							3.9	8
IM1	Cloudy	Rough	14:49	6.4	Surface	1.0	0.2	175	21.7	7.9	7.9	31.0	31.0	95.7	95.7	7.0	7.0	9.3	10.5	4	818358	806472	4	
						1.0	0.2	176	21.7	8.0	8.0	31.0	31.0	95.7	95.7	7.0							9.7	4
					Middle	3.2	0.2	202	21.7	8.0	8.0	31.1	31.1	95.3	95.3	7.0							11.4	4
						3.2	0.2	205	21.7	8.0	8.0	31.1	31.1	95.3	95.3	7.0							11.4	4
					Bottom	5.4	0.2	168	21.7	8.0	8.0	31.0	31.0	95.1	95.2	7.0							10.5	4
						5.4	0.1	166	21.7	8.0	8.0	31.0	31.0	95.2	95.2	7.0							10.4	5
IM2	Cloudy	Rough	14:38	7.4	Surface	1.0	0.2	191	21.7	7.9	7.9	31.0	31.0	95.2	95.2	7.0	7.0	9.2	11.9	4	819178	806246	4	
						1.0	0.2	194	21.7	7.9	7.9	31.0	31.0	95.2	95.2	7.0							9.6	3
					Middle	3.7	0.2	192	21.7	7.9	7.9	31.1	31.1	95.1	95.1	7.0							10.8	4
						3.7	0.3	193	21.7	7.9	7.9	31.1	31.1	95.0	95.0	7.0							11.0	3
					Bottom	6.4	0.2	184	21.7	7.9	7.9	31.1	31.1	94.9	94.9	7.0							13.7	5
						6.4	0.2	187	21.7	7.9	7.9	31.1	31.1	94.9	94.9	7.0							17.1	4
IM7	Rainy	Rough	14:07	8.0	Surface	1.0	0.2	114	22.2	7.9	7.9	29.5	29.5	94.3	94.3	6.9	6.9	7.8	10.2	5	821332	806825	6	
						1.0	0.2	112	22.1	7.9	7.9	29.6	29.6	94.2	94.2	6.9							8.6	6
					Middle	4.0	0.3	117	22.1	7.9	7.9	30.0	29.9	93.9	93.9	6.9							10.5	5
						4.0	0.3	121	22.1	7.9	7.9	29.9	29.9	93.9	93.9	6.9							10.8	5
					Bottom	7.0	0.2	132	22.1	7.9	7.9	29.9	29.9	93.9	93.9	6.9							11.8	5
						7.0	0.3	129	22.1	7.9	7.9	29.9	29.9	93.9	93.9	6.9							11.8	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 25 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)											
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA													
IM10	Rainy	Rough	13:50	9.0	Surface	1.0	0.3	98	21.7	8.0	8.0	29.7	29.6	91.2	91.3	6.8	6.8	6.7	7.5	9	822218	809818	9												
						1.0	0.3	101	21.7	8.0	8.0	29.6	29.6	91.4	91.3	6.8							9												
					Middle	4.5	0.2	77	21.7	8.0	8.0	29.6	29.6	91.8	91.8	6.8							6.8	7.7	9										
						4.5	0.3	69	21.7	8.0	8.0	29.6	29.6	91.8	91.8	6.8							6.8	7.8	9										
					Bottom	8.0	0.2	108	21.7	8.0	8.0	29.6	29.6	91.8	91.8	6.8							6.8	8.2	9										
						8.0	0.2	100	21.7	8.0	8.0	29.6	29.6	91.8	91.8	6.8							6.8	8.2	10										
					IM11	Rainy	Rough	14:04	6.8	Surface	1.0	0.4	76	21.9	8.0	8.0							29.6	29.6	92.4	92.5	6.8	6.8	4.9	5.5	13	821499	810535	15	
											1.0	0.4	76	22.0	8.0	8.0							29.5	29.6	92.5	92.5	6.8							14	
Middle	3.4	0.4	110	22.1						8.0	8.0	29.4	29.4	92.9	93.0	6.8	6.8	5.4	11																
	3.4	0.4	106	22.2						8.0	8.0	29.4	29.4	93.1	93.0	6.8	6.8	5.4	12																
Bottom	5.8	0.4	110	22.3						8.0	8.0	29.3	29.3	93.8	94.0	6.9	6.9	6.2	12																
	5.8	0.4	107	22.4						8.0	8.0	29.2	29.3	94.1	94.0	6.9	6.9	6.1	11																
IM12	Rainy	Rough	14:11	7.0						Surface	1.0	0.5	90	21.7	8.0	8.0	29.7	29.7	91.1	91.2	6.8	6.8	6.6	7.3	12	821155	811539							12	
											1.0	0.4	95	21.7	8.0	8.0	29.7	29.7	91.2	91.2	6.8													11	
					Middle	3.5	0.4	99	21.7	7.9	7.9	29.7	29.6	92.3	92.4	6.8	6.8	7.1	12																
						3.5	0.4	100	21.8	7.9	7.9	29.6	29.6	92.4	92.4	6.8	6.8	7.1	12																
					Bottom	6.0	0.4	119	22.0	7.9	7.9	29.4	29.4	93.2	93.3	6.9	6.9	8.2	14																
						6.0	0.4	114	22.1	7.9	7.9	29.4	29.4	93.4	93.3	6.9	6.9	8.2	13																
					SR1A	Rainy	Moderate	14:22	5.4	Surface	1.0	0.0	52	21.8	8.0	8.0	29.7	29.7	90.3	90.3	6.7							6.7	5.7	5.8	12	819977	812663	10	
											1.0	0.0	48	21.8	8.0	8.0	29.7	29.7	90.3	90.3	6.7													11	
Middle	2.7	-	51	-						-	-	-	-	-	-	-	-	-	-																
	2.7	0.0	44	-						-	-	-	-	-	-	-	-	-	-																
Bottom	4.4	0.0	54	21.8						8.0	8.0	29.7	29.7	90.4	90.4	6.7	6.7	6.0	13																
	4.4	0.0	60	21.8						8.0	8.0	29.7	29.7	90.4	90.4	6.7	6.7	5.9	14																
SR2	Rainy	Moderate	14:39	5.0						Surface	1.0	0.4	57	22.0	7.9	7.9	29.6	29.6	93.6	93.7	6.9	6.9	4.0	4.3	9	821470	814151							8	
											1.0	0.4	60	22.0	7.9	7.9	29.5	29.6	93.8	93.7	6.9													7	
					Middle	-	0.4	46	-	-	-	-	-	-	-	-	-	-	-																
						-	0.4	43	-	-	-	-	-	-	-	-	-	-	-																
					Bottom	4.0	0.3	64	22.1	7.9	7.9	29.4	29.3	94.7	95.2	7.0	7.0	4.7	10																
						4.0	0.3	62	22.2	7.9	7.9	29.3	29.3	95.7	95.2	7.0	7.0	4.7	11																
					SR3	Rainy	Rough	14:01	8.8	Surface	1.0	0.1	121	22.3	7.8	7.8	28.1	28.2	92.9	93.0	6.9							6.9	4.8	7.5	4	822136	807570	4	
											1.0	0.2	116	22.3	7.8	7.8	28.2	28.2	93.0	93.0	6.9													4	
Middle	4.4	0.2	111	22.3						7.9	7.9	28.8	28.8	93.6	93.7	6.9	6.9	8.2	4																
	4.4	0.3	116	22.3						7.9	7.9	28.8	28.8	93.7	93.7	6.9	6.9	8.4	4																
Bottom	7.8	0.1	126	22.2						7.9	7.9	28.9	28.9	93.7	93.8	6.9	6.9	9.4	5																
	7.8	0.2	131	22.2						7.9	7.9	28.9	28.9	93.8	93.8	6.9	6.9	9.3	4																
SR4A	Cloudy	Rough	15:53	8.4						Surface	1.0	0.0	68	22.1	7.9	7.9	30.3	30.3	92.9	92.9	6.8	6.9	6.4	6.7	5	817182	807809							6	
											1.0	0.0	66	22.1	7.9	7.9	30.3	30.3	92.9	92.9	6.8													5	
					Middle	4.2	0.0	101	22.1	7.9	7.9	30.4	30.4	93.7	93.7	6.9	6.9	6.9	4																
						4.2	-	106	22.1	7.9	7.9	30.4	30.4	93.7	93.7	6.9	6.9	6.9	4																
					Bottom	7.4	0.0	81	22.1	7.9	7.9	30.4	30.4	93.7	93.8	6.9	6.9	6.9	5																
						7.4	0.0	78	22.1	7.9	7.9	30.4	30.4	93.8	93.8	6.9	6.9	6.9	4																
					SR8	Rainy	Moderate	14:14	4.4	Surface	1.0	-	-	22.0	8.0	8.0	29.5	29.5	93.5	93.6	6.9							6.9	5.1	5.9	10	820367	811633	8	
											1.0	-	-	22.0	8.0	8.0	29.5	29.5	93.6	93.6	6.9													8	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-																
	-	-	-	-						-	-	-	-	-	-	-	-	-	-																
Bottom	3.4	-	-	22.1						8.0	8.0	29.4	29.4	94.5	94.9	7.0	7.0	6.7	12																
	3.4	-	-	22.1						8.0	8.0	29.4	29.4	95.3	94.9	7.0	7.0	6.6	12																

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 March 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	Rough	08:25	8.2	Surface	1.0	0.3	24	21.8	21.8	8.0	7.9	30.9	30.9	95.2	95.2	7.0	7.0	12.6	11.0	5	815633	804254	
						1.0	0.3	19	21.8	7.9	30.9	30.9	95.1	95.2	7.0	12.7								
					Middle	4.1	0.3	26	21.8	7.9	7.9	31.0	31.0	94.8	94.8	7.0	9.4							
						4.1	0.3	19	21.8	7.9	31.0	31.0	94.8	94.8	7.0	10.0								
					Bottom	7.2	0.3	11	21.8	7.9	7.9	31.0	31.0	94.9	95.0	7.0	10.7							
						7.2	0.3	11	21.8	7.9	7.9	31.0	31.0	95.0	95.0	7.0	11.0							
C2	Cloudy	Rough	09:58	12.3	Surface	1.0	0.4	338	22.3	22.3	7.8	7.8	28.4	28.4	93.9	93.9	6.9	6.9	5.2	9.0	6	825661	806937	
						1.0	0.4	334	22.3	7.8	7.8	28.5	28.4	93.8	93.9	6.9	5.5							
					Middle	6.2	0.4	339	22.2	7.8	7.8	28.9	28.9	93.8	93.9	6.9	9.8							
						6.2	0.5	340	22.2	7.8	7.8	29.0	28.9	93.9	93.9	6.9	9.4							
					Bottom	11.3	0.5	337	22.3	7.8	7.8	29.1	29.1	94.0	94.1	6.9	12.1							
						11.3	0.5	337	22.3	7.8	7.8	29.1	29.1	94.1	94.1	6.9	12.2							
C3	Misty	Moderate	09:33	10.4	Surface	1.0	0.5	259	21.2	21.2	7.9	7.9	30.6	30.6	86.4	86.4	6.4	6.4	5.6	8.0	8	822130	817816	
						1.0	0.5	252	21.2	7.9	7.9	30.6	30.6	86.4	86.4	6.4	5.6							
					Middle	5.2	0.6	266	21.2	7.8	7.8	30.6	30.6	86.4	86.4	6.4	8.7							
						5.2	0.6	268	21.2	7.8	7.8	30.6	30.6	86.4	86.4	6.4	8.7							
					Bottom	9.4	0.5	247	21.2	7.8	7.8	30.6	30.6	86.9	87.0	6.4	9.9							
						9.4	0.5	245	21.2	7.8	7.8	30.6	30.6	87.0	87.0	6.5	9.9							
IM1	Cloudy	Rough	08:50	6.4	Surface	1.0	0.2	10	21.7	21.7	8.0	8.0	30.9	30.9	95.3	95.3	7.0	7.0	11.1	10.0	6	818327	806442	
						1.0	0.2	9	21.7	8.0	8.0	30.9	30.9	95.3	95.3	7.0	11.1							
					Middle	3.2	0.2	6	21.7	8.0	8.0	31.0	31.0	95.2	95.2	7.0	8.6							
						3.2	0.2	9	21.7	8.0	8.0	31.0	31.0	95.2	95.2	7.0	8.9							
					Bottom	5.4	0.2	31	21.7	7.9	7.9	31.0	31.0	95.1	95.1	7.0	10.1							
						5.4	0.2	37	21.7	7.9	7.9	31.0	31.0	95.1	95.1	7.0	10.2							
IM2	Cloudy	Rough	08:55	7.2	Surface	1.0	0.2	9	21.8	21.8	7.9	7.9	30.9	30.9	95.1	95.1	7.0	7.0	11.5	9.9	4	819181	806216	
						1.0	0.2	7	21.8	7.9	7.9	30.9	30.9	95.0	95.1	7.0	11.2							
					Middle	3.6	0.2	19	21.8	7.9	7.9	30.9	30.9	94.8	94.8	7.0	8.7							
						3.6	0.2	24	21.8	7.9	7.9	30.9	30.9	94.8	94.8	7.0	8.8							
					Bottom	6.2	0.1	355	21.8	7.9	7.9	30.9	30.9	94.7	94.7	7.0	9.7							
						6.2	0.1	348	21.8	7.9	7.9	30.9	30.9	94.7	94.7	7.0	9.5							
IM7	Cloudy	Rough	09:16	8.0	Surface	1.0	0.2	339	22.2	22.2	7.9	7.9	29.0	29.1	94.3	94.3	6.9	6.9	5.5	6.7	5	821364	806820	
						1.0	0.2	335	22.2	7.9	7.9	29.2	29.1	94.2	94.3	6.9	5.7							
					Middle	4.0	0.2	312	22.1	7.9	7.9	29.7	29.8	93.7	93.7	6.9	6.9							
						4.0	0.2	309	22.1	7.9	7.9	29.8	29.8	93.7	93.7	6.9	7.1							
					Bottom	7.0	0.2	318	22.1	7.9	7.9	29.9	29.9	93.8	93.9	6.9	7.7							
						7.0	0.2	323	22.1	7.9	7.9	29.8	29.9	94.0	93.9	6.9	7.5							

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 25 March 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Misty	Moderate	10:34	8.6	Surface	1.0	0.4	294	21.7	7.9	7.9	29.7	29.7	91.6	91.7	6.8	6.8	6.6	7.7	10	822251	809822		
						1.0	0.4	295	21.7	7.9	29.7	29.7	91.7	91.7	6.8									
					Middle	4.3	0.3	301	21.8	7.9	7.9	29.7	29.6	92.3	92.4	6.8								
						4.3	0.4	298	21.8	7.9	7.9	29.6	29.6	92.5	92.4	6.8								
					Bottom	7.6	0.3	322	22.0	7.9	7.9	29.4	29.4	93.4	93.6	6.9								
						7.6	0.3	319	22.1	7.9	7.9	29.4	29.4	93.7	93.6	6.9								
IM11	Misty	Moderate	10:30	8.0	Surface	1.0	0.3	293	21.7	7.9	7.9	29.8	29.8	91.0	91.1	6.7	6.8	7.3	8.1	8	821486	810528		
						1.0	0.4	297	21.7	7.9	29.7	29.8	91.2	91.1	6.8									
					Middle	4.0	0.4	266	21.8	8.0	8.0	29.7	29.7	91.9	92.0	6.8								
						4.0	0.4	267	21.8	8.0	8.0	29.7	29.7	92.1	92.0	6.8								
					Bottom	7.0	0.4	261	22.0	8.0	8.0	29.5	29.5	92.9	93.1	6.8								
						7.0	0.4	263	22.1	8.0	8.0	29.5	29.5	93.2	93.1	6.9								
IM12	Misty	Moderate	10:24	7.2	Surface	1.0	0.4	271	21.7	7.9	7.9	29.7	29.7	91.6	91.7	6.8	6.8	6.0	7.5	9	821163	811501		
						1.0	0.4	264	21.7	7.9	29.7	29.7	91.7	91.7	6.8									
					Middle	3.6	0.3	293	21.8	7.9	7.9	29.6	29.5	92.3	92.4	6.8								
						3.6	0.3	287	21.8	7.9	7.9	29.5	29.5	92.4	92.4	6.8								
					Bottom	6.2	0.4	306	22.1	7.9	7.9	29.2	29.2	93.5	93.8	6.9								
						6.2	0.4	301	22.2	7.9	7.9	29.1	29.1	94.1	93.8	6.9								
SR1A	Misty	Moderate	10:03	4.6	Surface	1.0	0.0	191	21.8	7.9	7.9	29.8	29.8	90.8	90.9	6.7	6.7	7.0	7.8	9	819976	812655		
						1.0	0.0	187	21.8	7.9	7.9	29.8	29.8	90.9	90.9	6.7								
					Middle	2.3	0.1	201	-	-	-	-	-	-	-	-								
						2.3	0.0	194	-	-	-	-	-	-	-	-								
					Bottom	3.6	0.1	207	22.0	7.9	7.9	29.7	29.7	91.6	91.7	6.7								
						3.6	0.1	212	22.0	7.9	7.9	29.7	29.7	91.8	91.7	6.8								
SR2	Misty	Moderate	09:51	5.2	Surface	1.0	0.1	262	21.6	7.9	7.9	29.8	29.8	91.1	91.2	6.7	6.8	8.4	8.7	8	821443	814149		
						1.0	0.1	267	21.6	7.9	7.9	29.8	29.8	91.3	91.2	6.8								
					Middle	-	0.0	250	-	-	-	-	-	-	-	-								
						-	0.0	255	-	-	-	-	-	-	-	-								
					Bottom	4.2	0.0	262	21.6	7.9	7.9	29.9	29.9	93.9	94.1	7.0								
						4.2	0.0	268	21.6	7.9	7.9	29.9	29.9	94.3	94.1	7.0								
SR3	Cloudy	Rough	09:23	8.6	Surface	1.0	0.3	332	22.3	7.8	7.8	28.3	28.3	93.4	93.4	6.9	6.9	6.2	7.1	5	822135	807576		
						1.0	0.3	338	22.3	7.8	7.8	28.3	28.3	93.4	93.4	6.9								
					Middle	4.3	0.3	353	22.3	7.9	7.9	28.6	28.6	93.7	93.8	6.9								
						4.3	0.3	356	22.3	7.9	7.9	28.6	28.6	93.8	93.8	6.9								
					Bottom	7.6	0.2	322	22.3	7.9	7.9	28.8	28.8	93.7	93.8	6.9								
						7.6	0.2	314	22.3	7.9	7.9	28.8	28.8	93.8	93.8	6.9								
SR4A	Cloudy	Rough	07:57	8.8	Surface	1.0	0.1	195	22.0	8.0	8.0	30.3	30.3	94.1	94.1	6.9	6.9	7.5	7.5	5	817197	807821		
						1.0	0.0	197	22.0	8.0	8.0	30.3	30.3	94.1	94.1	6.9								
					Middle	4.4	0.0	195	22.0	8.0	8.0	30.3	30.3	94.0	94.0	6.9								
						4.4	-	201	22.0	8.0	8.0	30.3	30.3	94.0	94.0	6.9								
					Bottom	7.8	0.0	185	22.0	8.0	8.0	30.3	30.3	94.1	94.1	6.9								
						7.8	0.0	190	22.0	8.0	8.0	30.3	30.3	94.1	94.1	6.9								
SR8	Misty	Moderate	10:20	5.2	Surface	1.0	-	-	22.0	7.9	7.9	29.5	29.5	92.8	92.9	6.8	6.9	5.8	6.2	8	820400	811641		
						1.0	-	-	22.0	7.9	7.9	29.5	29.5	92.9	92.9	6.9								
					Middle	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.2	-	-	22.1	7.9	7.9	29.4	29.3	93.9	94.3	6.9								
						4.2	-	-	22.2	7.9	7.9	29.3	29.3	94.6	94.3	7.0								

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	17:32	8.2	Surface	1.0	0.5	197	20.6	20.6	8.1	8.1	31.8	31.8	94.0	94.1	7.0	7.1	2.3	6.9	5	4	815613	804258
						1.0	0.5	192	20.6	8.1	8.1	31.8	31.8	94.1	94.1	7.0	7.0	2.3	4					
					Middle	4.1	0.4	209	20.7	20.7	8.2	8.2	32.2	32.2	95.5	95.7	7.1	7.1	8.5	4				
						4.1	0.4	213	20.7	20.7	8.2	8.2	32.2	32.2	95.8	95.7	7.1	7.1	8.7	4				
					Bottom	7.2	0.4	226	20.8	20.8	8.2	8.2	32.3	32.2	96.8	96.9	7.2	7.2	9.7	4				
						7.2	0.4	224	20.8	20.8	8.2	8.2	32.2	32.2	97.0	96.9	7.2	7.2	10.0	3				
C2	Cloudy	Moderate	16:05	11.8	Surface	1.0	0.3	169	20.8	20.8	7.9	7.9	28.5	28.5	88.7	88.7	6.7	6.7	2.1	4.2	3	4	825675	806947
						1.0	0.2	174	20.8	7.9	7.9	28.5	28.5	88.6	88.6	6.7	6.7	2.1	4					
					Middle	5.9	0.3	189	20.9	20.9	8.0	8.0	29.5	29.6	87.7	87.7	6.6	6.6	4.4	5				
						5.9	0.3	191	20.9	20.9	8.0	8.0	29.7	29.6	87.7	87.7	6.6	6.6	4.7	4				
					Bottom	10.8	0.3	155	20.9	20.9	8.0	8.0	30.3	30.3	88.2	88.3	6.6	6.6	6.1	5				
						10.8	0.2	147	20.9	20.9	8.0	8.0	30.3	30.3	88.4	88.3	6.6	6.6	5.9	4				
C3	Misty	Moderate	17:18	7.6	Surface	1.0	0.4	88	21.2	21.2	7.9	7.9	30.4	30.5	88.5	88.6	6.6	6.7	1.0	1.9	4	4	822112	817818
						1.0	0.4	95	21.2	21.2	7.9	7.9	30.5	30.5	88.7	88.7	6.7	6.7	1.0	4				
					Middle	3.8	0.4	58	21.2	21.2	7.9	7.9	31.1	31.1	89.6	89.9	6.6	6.6	1.8	4				
						3.8	0.4	60	21.2	21.2	7.9	7.9	31.1	31.1	90.2	89.9	6.7	6.7	1.9	4				
					Bottom	6.6	0.5	62	21.1	21.2	7.8	7.8	31.2	31.2	91.6	92.3	6.8	6.9	2.8	3				
						6.6	0.5	60	21.2	21.2	7.8	7.8	31.1	31.2	93.0	92.3	6.9	6.9	2.8	4				
IM1	Cloudy	Moderate	17:08	6.4	Surface	1.0	0.3	196	20.7	20.7	8.1	8.1	31.8	31.8	93.8	93.9	7.0	7.1	5.9	9.3	5	5	818362	806451
						1.0	0.2	198	20.7	20.7	8.1	8.1	31.8	31.8	93.9	93.9	7.0	7.0	6.4	4				
					Middle	3.2	0.3	194	20.8	20.8	8.1	8.1	32.2	32.2	95.2	95.4	7.1	7.1	9.7	4				
						3.2	0.3	190	20.8	20.8	8.1	8.1	32.3	32.2	95.6	95.6	7.1	7.1	10.1	5				
					Bottom	5.4	0.2	213	20.8	20.8	8.2	8.2	32.3	32.3	96.4	96.5	7.1	7.2	11.7	5				
						5.4	0.3	215	20.8	20.8	8.2	8.2	32.3	32.3	96.5	96.5	7.2	7.2	11.8	6				
IM2	Cloudy	Moderate	16:59	7.2	Surface	1.0	0.3	180	20.6	20.7	8.1	8.1	31.6	31.6	94.9	95.1	7.1	7.2	5.4	8.4	5	5	819159	806250
						1.0	0.3	175	20.7	20.7	8.1	8.1	31.7	31.6	95.2	95.1	7.1	7.1	6.1	6				
					Middle	3.6	0.2	183	20.7	20.8	8.2	8.2	32.0	32.0	96.4	96.5	7.2	7.2	7.6	5				
						3.6	0.2	176	20.8	20.8	8.2	8.2	32.1	32.0	96.6	96.5	7.2	7.2	8.1	4				
					Bottom	6.2	0.3	199	20.8	20.8	8.2	8.2	32.3	32.3	98.0	98.2	7.3	7.3	11.5	4				
						6.2	0.3	201	20.8	20.8	8.2	8.2	32.3	32.3	98.4	98.2	7.3	7.3	11.6	4				
IM7	Cloudy	Moderate	16:40	7.7	Surface	1.0	0.2	131	20.7	20.7	8.1	8.1	29.7	29.7	91.9	91.9	6.9	6.9	3.2	5.8	5	4	821342	806813
						1.0	0.1	133	20.7	20.7	8.1	8.1	29.7	29.7	91.9	91.9	6.9	6.9	3.5	4				
					Middle	3.9	0.1	162	20.8	20.8	8.1	8.1	30.3	30.3	92.1	92.2	6.9	6.9	5.3	3				
						3.9	0.1	160	20.8	20.8	8.1	8.1	30.4	30.3	92.2	92.2	6.9	6.9	5.5	4				
					Bottom	6.7	0.2	148	20.9	20.9	8.1	8.1	31.3	31.3	95.3	95.5	7.1	7.1	8.5	4				
						6.7	0.1	151	20.9	20.9	8.1	8.1	31.3	31.3	95.6	95.5	7.1	7.1	8.7	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 28 March 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	Moderate	16:14	8.8	Surface	1.0	0.3	99	21.3	21.3	8.0	8.0	28.6	28.6	89.4	89.3	6.7	6.7	2.2	2.8	3	4	822235	809836						
						1.0	0.3	97	21.3		8.0	8.0	28.6	28.6	89.2	89.3	6.7		2.2		4									
					Middle	4.4	0.4	119	21.3	21.3	8.0	8.0	28.8	28.8	89.0	88.7	6.7	6.6	2.7	2.8	4				4	822235	809836			
						4.4	0.3	119	21.3		8.0	8.0	28.9	28.8	88.3	88.7	6.6		2.6		5									
					Bottom	7.8	0.3	123	21.3	21.3	8.0	8.0	29.1	29.1	90.6	90.8	6.8	6.8	3.4	2.8	4							4	822235	809836
						7.8	0.3	127	21.2		8.0	8.0	29.1	29.1	90.9	90.8	6.8		3.6		5									
IM11	Misty	Moderate	16:22	6.2	Surface	1.0	0.4	81	21.3	21.3	7.9	7.9	28.7	28.7	90.5	90.6	6.8	6.8	1.3	2.3	5	5	821505	810548						
						1.0	0.4	80	21.3		7.9	7.9	28.7	28.7	90.6	90.6	6.8		1.3		6									
					Middle	3.1	0.4	93	21.3	21.4	7.9	7.9	28.8	28.9	90.8	91.0	6.8	6.8	2.5	2.3	4				5	821505	810548			
						3.1	0.3	87	21.4		7.9	7.9	28.9	28.9	91.1	91.0	6.8		2.4		4									
					Bottom	5.2	0.4	82	21.4	21.4	7.8	7.8	29.1	29.0	93.0	94.2	7.0	7.1	3.1	2.3	4							5	821505	810548
						5.2	0.4	81	21.4		7.8	7.8	29.0	29.0	95.3	94.2	7.1		3.1		4									
IM12	Misty	Moderate	16:28	6.8	Surface	1.0	0.4	93	21.3	21.3	7.9	7.9	29.0	29.1	90.4	90.5	6.8	6.8	1.6	2.0	5	4	821154	811535						
						1.0	0.4	87	21.3		7.9	7.9	29.1	29.1	90.5	90.5	6.8		1.6		5									
					Middle	3.4	0.4	109	21.3	21.3	7.9	7.9	29.3	29.3	91.0	91.2	6.8	6.8	1.8	2.0	4				4	821154	811535			
						3.4	0.4	112	21.3		7.9	7.9	29.3	29.3	91.4	91.2	6.8		1.9		4									
					Bottom	5.8	0.4	78	21.3	21.3	7.8	7.8	29.5	29.4	93.2	93.9	7.0	7.1	2.4	2.0	4							4	821154	811535
						5.8	0.5	80	21.3		7.8	7.8	29.4	29.4	94.6	93.9	7.1		2.5		4									
SR1A	Misty	Moderate	16:44	5.0	Surface	1.0	0.0	91	21.2	21.2	7.9	7.8	29.3	29.3	92.5	92.8	6.9	7.0	1.8	1.9	4	4	819976	812654						
						1.0	0.0	95	21.2		7.8	7.8	29.3	29.3	93.0	92.8	7.0		1.9		4									
					Middle	2.5	0.0	71	-	-	-	-	-	-	-	-	-	-	-	1.9	-				4	819976	812654			
						2.5	0.0	68	-		-	-	-	-	-	-	-		-		-									
					Bottom	4.0	0.0	78	21.2	21.2	7.8	7.8	29.3	29.3	94.1	94.6	7.1	7.1	2.0	1.9	4							4	819976	812654
						4.0	0.0	84	21.2		7.8	7.8	29.2	29.3	95.1	94.6	7.1		2.1		5									
SR2	Misty	Moderate	16:59	5.8	Surface	1.0	0.4	61	21.1	21.1	7.9	7.9	29.4	29.4	90.1	90.2	6.8	6.8	1.0	2.2	3	3	821458	814182						
						1.0	0.4	58	21.1		7.9	7.9	29.4	29.4	90.2	90.2	6.8		1.1		2									
					Middle	-	0.3	54	-	-	-	-	-	-	-	-	-	-	-	2.2	-				3	821458	814182			
						-	0.3	53	-		-	-	-	-	-	-	-		-		-									
					Bottom	4.8	0.4	42	21.1	21.1	7.9	7.9	29.4	29.4	90.4	90.5	6.8	6.8	3.4	2.2	3							3	821458	814182
						4.8	0.4	38	21.1		7.9	7.9	29.4	29.4	90.6	90.5	6.8		3.3		3									
SR3	Cloudy	Moderate	16:31	8.9	Surface	1.0	0.3	148	20.7	20.7	8.0	8.0	28.8	28.8	91.4	91.4	6.9	6.9	2.2	6.5	3	4	822157	807559						
						1.0	0.2	147	20.7		8.0	8.0	28.8	28.8	91.4	91.4	6.9		2.3		3									
					Middle	4.5	0.3	144	20.8	20.8	8.1	8.1	29.0	29.0	91.3	91.4	6.9	6.9	6.7	6.5	3				4	822157	807559			
						4.5	0.3	145	20.8		8.1	8.1	29.0	29.0	91.4	91.4	6.9		7.3		4									
					Bottom	7.9	0.3	159	20.9	20.9	8.1	8.1	31.1	31.1	91.9	92.0	6.8	6.9	10.3	6.5	4							4	822157	807559
						7.9	0.3	158	20.9		8.1	8.1	31.1	31.1	92.0	92.0	6.9		10.3		4									
SR4A	Cloudy	Moderate	18:01	9.1	Surface	1.0	0.0	98	20.7	20.7	8.1	8.1	31.5	31.5	91.1	91.2	6.8	6.8	4.6	6.7	5	5	817165	807815						
						1.0	0.0	91	20.7		8.1	8.1	31.5	31.5	91.2	91.2	6.8		4.6		5									
					Middle	4.6	0.0	76	20.8	20.8	8.1	8.1	31.7	31.7	92.0	92.1	6.8	6.8	7.3	6.7	6				5	817165	807815			
						4.6	0.0	81	20.8		8.1	8.1	31.7	31.7	92.1	92.1	6.8		7.7		5									
					Bottom	8.1	0.0	108	20.8	20.8	8.1	8.1	31.8	31.8	92.5	92.6	6.9	6.9	7.9	6.7	5							5	817165	807815
						8.1	0.0	100	20.8		8.2	8.1	31.8	31.8	92.6	92.6	6.9		8.0		6									
SR8	Misty	Moderate	16:32	4.6	Surface	1.0	-	-	21.3	21.3	7.9	7.9	28.7	28.8	91.2	91.4	6.8	6.9	1.3	2.2	3	4	820369	811644						
						1.0	-	-	21.3		7.9	7.9	28.9	28.8	91.6	91.4	6.9		1.3		4									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2	-				4	820369	811644			
						-	-	-	-		-	-	-	-	-	-	-		-		-									
					Bottom	3.6	-	-	21.3	21.4	7.8	7.8	29.6	29.5	93.4	93.8	7.0	7.0	3.0	2.2	4							4	820369	811644
						3.6	-	-	21.4		7.8	7.8	29.5	29.5	94.2	93.8	7.0		3.0		5									

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 March 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	09:51	8.7	Surface	1.0	0.1	27	20.7	20.7	8.0	8.0	31.7	31.7	92.4	92.4	6.9	6.9	9.0	4	4	815623	804267	
						1.0	0.1	21	20.7	8.0	8.0	31.7	31.7	92.4	92.4	6.9	5.0							
					Middle	4.4	0.1	16	20.8	20.8	8.0	8.0	32.2	32.2	92.5	92.5	6.9			9.9				
						4.4	0.1	15	20.8	20.8	8.0	8.0	32.2	32.2	92.5	92.5	6.9			9.1				
					Bottom	7.7	0.1	32	20.8	20.8	8.0	8.1	32.2	32.2	92.6	94.7	6.9			12.2				
						7.7	0.1	24	20.8	20.8	8.1	8.1	32.2	32.2	96.8	94.7	7.2			12.1				
C2	Cloudy	Moderate	11:06	11.2	Surface	1.0	0.2	347	20.8	20.8	8.0	8.0	28.4	28.4	90.3	90.3	6.8	6.8	5.2	4	4	825683	806932	
						1.0	0.1	347	20.8	20.8	8.0	8.0	28.5	28.4	90.3	90.3	6.8			2.1				
					Middle	5.6	0.2	5	20.9	20.9	8.0	8.0	29.9	29.9	90.3	90.4	6.8			2.1				
						5.6	0.2	359	20.9	20.9	8.0	8.0	29.9	29.9	90.4	90.4	6.8			2.2				
					Bottom	10.2	0.2	2	20.9	20.9	8.1	8.1	29.9	29.9	91.1	91.2	6.8			11.2				
						10.2	0.3	3	20.9	20.9	8.1	8.1	29.9	29.9	91.3	91.2	6.9			11.9				
C3	Misty	Moderate	10:31	9.8	Surface	1.0	0.3	276	21.2	21.2	8.1	8.1	30.5	30.6	87.6	87.6	6.5	6.5	1.4	4	4	822123	817824	
						1.0	0.3	281	21.2	21.2	8.1	8.1	30.7	30.6	87.6	87.6	6.5			1.0				
					Middle	4.9	0.4	267	21.2	21.2	8.1	8.1	31.0	31.0	87.9	88.0	6.5			1.1				
						4.9	0.4	261	21.2	21.2	8.1	8.1	31.0	31.0	88.1	88.0	6.5			1.1				
					Bottom	8.8	0.3	272	21.2	21.2	8.1	8.0	31.1	31.1	89.7	91.6	6.7			2.1				
						8.8	0.3	277	21.2	21.2	8.0	8.0	31.1	31.1	93.4	91.6	6.9			2.1				
IM1	Cloudy	Moderate	10:13	6.6	Surface	1.0	0.1	16	20.6	20.6	8.0	8.0	31.1	31.1	92.3	92.4	6.9	6.9	6.6	4	4	818339	806442	
						1.0	0.1	15	20.6	20.6	8.0	8.0	31.2	31.1	92.4	92.4	6.9			2.7				
					Middle	3.3	0.2	6	20.8	20.8	8.1	8.1	32.0	32.0	93.5	93.7	6.9			5.7				
						3.3	0.1	6	20.8	20.8	8.1	8.1	32.1	32.0	93.8	93.7	7.0			5.6				
					Bottom	5.6	0.1	8	20.8	20.8	8.1	8.1	32.2	32.2	95.4	95.5	7.1			11.7				
						5.6	0.1	4	20.8	20.8	8.1	8.1	32.2	32.2	95.6	95.5	7.1			11.5				
IM2	Cloudy	Moderate	10:17	7.2	Surface	1.0	0.2	35	20.5	20.5	8.0	8.0	30.7	30.7	92.0	92.0	6.9	6.9	7.8	6	5	819167	806219	
						1.0	0.2	35	20.5	20.5	8.0	8.0	30.7	30.7	92.0	92.0	6.9			3.2				
					Middle	3.6	0.1	23	20.8	20.8	8.1	8.1	32.0	32.0	93.0	93.1	6.9			9.9				
						3.6	0.1	19	20.8	20.8	8.1	8.1	32.1	32.0	93.1	93.1	6.9			9.4				
					Bottom	6.2	0.1	32	20.8	20.8	8.1	8.1	32.2	32.2	93.8	93.9	7.0			10.8				
						6.2	0.1	31	20.8	20.8	8.1	8.1	32.2	32.2	93.9	93.9	7.0			10.8				
IM7	Cloudy	Moderate	10:38	8.4	Surface	1.0	0.1	344	20.7	20.7	8.1	8.1	29.1	29.1	92.1	92.2	7.0	7.0	4.9	4	4	821338	806831	
						1.0	0.1	350	20.7	20.7	8.1	8.1	29.2	29.1	92.2	92.2	7.0			2.6				
					Middle	4.2	0.2	6	20.8	20.8	8.1	8.1	30.6	30.7	94.0	94.3	7.0			5.2				
						4.2	0.2	11	20.8	20.8	8.1	8.1	30.7	30.7	94.6	94.3	7.1			5.3				
					Bottom	7.4	0.2	325	20.8	20.8	8.2	8.2	31.3	31.3	96.5	96.7	7.2			6.8				
						7.4	0.2	331	20.8	20.8	8.2	8.2	31.3	31.3	96.9	96.7	7.2			6.9				

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 March 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM10	Misty	Moderate	11:34	8.4	Surface	1.0	0.3	276	21.2	21.2	7.9	7.9	28.2	28.2	92.3	92.6	7.0	7.3	1.3	1.8	5	5	822244	809838
						1.0	0.3	278	21.2		7.9		28.2		92.8		7.8		4					
					Middle	4.2	0.4	273	21.2	7.9	7.9	28.1	28.1	93.8	93.9	7.1	1.8		5					
						4.2	0.4	275	21.2	7.9	28.1	28.1	93.9	93.9	7.1	1.8	4							
					Bottom	7.4	0.3	271	21.2	7.9	7.9	28.1	28.1	94.5	94.8	7.1	2.4		5					
						7.4	0.3	270	21.2	7.8	28.1	28.1	95.0	94.8	7.2	2.3	4							
IM11	Misty	Moderate	11:27	8.0	Surface	1.0	0.3	277	21.3	21.3	7.9	7.9	28.7	28.8	89.3	89.3	6.7	6.7	2.0	2.6	3	4	821510	810562
						1.0	0.3	270	21.3		7.9		28.8		89.2		6.7		4					
					Middle	4.0	0.4	268	21.3	7.9	7.9	28.9	29.0	88.9	88.6	6.7	2.6		3					
						4.0	0.3	264	21.4	7.9	29.0	29.0	88.2	88.2	6.6	2.6	4							
					Bottom	7.0	0.3	270	21.4	7.9	7.9	29.2	29.2	91.5	91.8	6.8	3.2		4					
						7.0	0.3	275	21.4	7.9	29.2	29.2	92.1	91.8	6.9	3.3	5							
IM12	Misty	Moderate	11:22	7.2	Surface	1.0	0.3	279	21.3	21.3	7.9	7.9	29.3	29.3	88.9	89.0	6.6	6.6	1.0	1.8	4	4	821161	811497
						1.0	0.3	274	21.3		7.9		29.3		89.0		6.6		3					
					Middle	3.6	0.3	261	21.3	7.9	7.9	29.3	29.3	88.9	89.0	6.6	2.0		3					
						3.6	0.3	256	21.3	7.9	29.4	29.4	89.0	89.0	6.6	2.1	4							
					Bottom	6.2	0.3	293	21.3	7.9	7.9	29.5	29.4	92.4	92.7	6.9	2.3		6					
						6.2	0.3	297	21.3	7.9	29.4	29.4	93.0	92.7	6.9	2.2	5							
SR1A	Misty	Moderate	11:02	5.4	Surface	1.0	0.0	205	21.1	21.1	7.9	7.9	28.2	28.2	94.6	94.8	7.1	7.2	1.9	1.9	4	4	819971	812653
						1.0	0.1	198	21.1		7.9		28.2		95.0		7.2		4					
					Middle	2.7	0.1	215	-	-	-	-	-	-	-	-	-		-					
						2.7	0.1	217	-	-	-	-	-	-	-	-	-		-					
					Bottom	4.4	0.0	187	21.1	7.8	7.8	28.2	28.2	96.3	96.6	7.3	2.0		3					
						4.4	0.1	193	21.1	7.8	28.1	28.2	96.9	96.6	7.3	2.0	4							
SR2	Misty	Moderate	10:51	4.0	Surface	1.0	0.1	245	21.2	21.2	7.9	7.8	29.2	29.2	92.8	93.0	7.0	7.0	2.0	2.4	5	5	821469	814179
						1.0	0.0	238	21.2		7.8		29.2		93.2		7.0		6					
					Middle	-	0.1	234	-	-	-	-	-	-	-	-	-							
						-	0.0	236	-	-	-	-	-	-	-	-	-							
					Bottom	3.0	0.0	270	21.2	7.8	7.8	29.2	29.1	94.9	95.5	7.1	2.8		4					
						3.0	0.1	272	21.2	7.7	29.1	29.1	96.1	95.5	7.2	2.9	4							
SR3	Cloudy	Moderate	10:43	8.5	Surface	1.0	0.2	339	20.8	20.8	8.0	8.0	28.4	28.4	91.2	91.2	6.9	6.9	4.0	7.1	4	4	822128	807566
						1.0	0.2	338	20.8		8.0		28.4		91.2		6.9		4					
					Middle	4.3	0.2	320	20.9	8.1	8.1	28.7	28.7	91.0	91.1	6.9	7.6		3					
						4.3	0.2	316	20.9	8.1	28.8	28.8	91.1	91.1	6.9	7.8	4							
					Bottom	7.5	0.2	319	20.9	8.1	8.1	30.9	30.9	91.8	92.0	6.8	9.3		3					
						7.5	0.3	319	20.9	8.1	30.9	30.9	92.1	92.0	6.9	9.4	4							
SR4A	Cloudy	Moderate	09:24	9.2	Surface	1.0	0.0	177	20.6	20.6	7.9	7.9	29.8	29.8	88.4	88.4	6.7	6.7	3.6	5.5	6	5	817178	807797
						1.0	0.0	173	20.6		7.9		29.8		88.3		6.7		5					
					Middle	4.6	0.0	173	20.9	7.9	7.9	30.2	30.2	88.5	88.6	6.6	5.4		5					
						4.6	0.0	178	20.9	7.9	30.2	30.2	88.6	88.6	6.6	5.6	6							
					Bottom	8.2	0.1	185	20.9	7.8	7.8	29.9	29.8	88.9	88.9	6.7	7.3		4					
						8.2	0.0	187	20.9	7.8	29.7	29.7	88.9	88.9	6.7	7.3	4							
SR8	Misty	Moderate	11:17	4.8	Surface	1.0	-	-	21.3	21.3	7.9	7.9	28.6	28.6	91.4	91.6	6.9	6.9	3.3	3.7	5	4	820404	811610
						1.0	-	-	21.3		7.9		28.6		91.8		6.9		4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.8	-	-	21.4	7.8	7.8	29.5	29.4	94.4	95.3	7.0	4.0		4					
						3.8	-	-	21.4	7.8	29.4	29.4	96.2	95.3	7.2	4.0	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 30 March 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	Cloudy	Moderate	20:02	8.2	Surface	1.0	0.4	203	20.6	20.6	8.2	8.2	28.9	28.8	94.0	94.0	7.1	7.1	2.0	3.7	3	3	815643	804236						
						1.0	0.3	201	20.6		8.2	8.2	28.8	28.8	93.9	93.9	7.1		2.2		3									
					Middle	4.1	0.4	223	20.5	20.5	8.2	8.2	31.8	31.8	93.5	93.5	7.0	7.1	3.3	3.7	2				3	815643	804236			
						4.1	0.4	225	20.5		8.2	8.2	31.8	31.8	93.5	93.5	7.0		3.2		3									
					Bottom	7.2	0.3	216	20.3	20.3	8.2	8.2	32.2	32.2	94.9	95.1	7.1	7.1	6.1	3.7	4							3	815643	804236
						7.2	0.3	221	20.2		8.2	8.2	32.2	32.2	95.2	95.1	7.1		5.6		3									
C2	Cloudy	Moderate	18:43	12.1	Surface	1.0	0.3	180	20.8	20.8	8.1	8.1	25.9	25.8	87.5	87.5	6.7	6.7	2.7	3.2	4	4	825694	806933						
						1.0	0.3	177	20.8		8.1	8.1	25.8	25.8	87.4	87.4	6.7		2.9		3									
					Middle	6.1	0.3	173	20.7	20.7	8.1	8.1	30.8	30.8	87.8	87.9	6.6	6.6	3.6	3.2	4				4	825694	806933			
						6.1	0.4	166	20.7		8.1	8.1	30.9	30.8	87.9	87.9	6.6		3.5		4									
					Bottom	11.1	0.4	190	20.7	20.8	8.1	8.1	30.8	30.8	88.6	88.7	6.6	6.6	3.3	3.2	4							4	825694	806933
						11.1	0.4	197	20.8		8.1	8.1	30.8	30.8	88.8	88.7	6.6		3.2		4									
C3	Misty	Moderate	19:50	10.0	Surface	1.0	0.3	71	21.1	21.1	8.0	8.0	31.2	31.2	87.1	87.1	6.5	6.5	1.1	1.4	2	3	822130	817801						
						1.0	0.3	67	21.1		8.0	8.0	31.3	31.2	87.1	87.1	6.5		1.1		3									
					Middle	5.0	0.3	59	21.1	21.1	7.9	7.9	31.4	31.4	87.3	87.4	6.5	6.5	1.1	1.4	3				3	822130	817801			
						5.0	0.3	54	21.1		7.9	7.9	31.4	31.4	87.4	87.4	6.5		1.1		3									
					Bottom	9.0	0.3	81	21.1	21.1	7.9	7.9	31.4	31.4	88.5	89.0	6.6	6.6	1.9	1.4	2							3	822130	817801
						9.0	0.3	73	21.1		7.9	7.9	31.4	31.4	89.4	89.0	6.6		1.9		3									
IM1	Cloudy	Moderate	19:38	6.1	Surface	1.0	0.2	183	20.6	20.6	8.2	8.2	30.6	30.6	93.4	93.4	7.0	7.0	1.6	6.4	5	4	818333	806481						
						1.0	0.3	183	20.6		8.2	8.2	30.6	30.6	93.4	93.4	7.0		1.6		4									
					Middle	3.1	0.3	175	20.5	20.5	8.3	8.3	32.1	32.1	93.3	93.3	7.0	7.0	8.0	6.4	4				4	818333	806481			
						3.1	0.3	180	20.5		8.3	8.3	32.1	32.1	93.3	93.3	7.0		8.4		3									
					Bottom	5.1	0.3	199	20.4	20.4	8.3	8.3	32.1	32.1	93.9	94.0	7.0	7.0	9.4	6.4	3							4	818333	806481
						5.1	0.3	205	20.4		8.3	8.3	32.2	32.1	94.1	94.0	7.0		9.3		2									
IM2	Cloudy	Moderate	19:33	6.8	Surface	1.0	0.3	189	20.6	20.6	8.2	8.2	30.9	31.0	93.0	93.0	7.0	7.0	3.1	5.7	4	4	819168	806245						
						1.0	0.3	196	20.6		8.2	8.2	31.1	31.0	93.0	93.0	7.0		3.5		3									
					Middle	3.4	0.3	205	20.5	20.5	8.2	8.2	32.0	32.0	93.3	93.4	7.0	7.0	5.2	5.7	4				4	819168	806245			
						3.4	0.3	202	20.5		8.2	8.2	32.0	32.0	93.4	93.4	7.0		5.3		4									
					Bottom	5.8	0.3	191	20.5	20.5	8.2	8.2	32.1	32.1	94.0	94.1	7.0	7.0	8.4	5.7	5							4	819168	806245
						5.8	0.3	188	20.5		8.2	8.2	32.1	32.1	94.1	94.1	7.0		8.6		6									
IM7	Cloudy	Moderate	19:13	8.1	Surface	1.0	0.2	172	20.7	20.7	8.2	8.2	28.0	28.0	90.7	90.7	6.9	6.9	3.9	4.9	5	4	821361	806811						
						1.0	0.2	173	20.7		8.2	8.2	27.9	28.0	90.7	90.7	6.9		4.1		4									
					Middle	4.1	0.2	169	20.7	20.7	8.2	8.1	31.3	31.3	91.3	91.4	6.8	6.9	5.2	4.9	3				4	821361	806811			
						4.1	0.2	174	20.7		8.1	8.1	31.4	31.3	91.5	91.4	6.8		5.3		4									
					Bottom	7.1	0.2	195	20.7	20.7	8.1	8.1	31.4	31.4	92.2	92.3	6.9	6.9	5.5	4.9	3							4	821361	806811
						7.1	0.2	194	20.7		8.1	8.1	31.4	31.4	92.3	92.3	6.9		5.5		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 30 March 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA				
IM10	Misty	Moderate	18:44	8.8	Surface	1.0	0.3	96	21.4	21.4	8.0	8.0	25.8	25.8	90.5	90.5	6.9	6.9	1.1	1.6	2	3	822229	809856
						1.0	0.3	95	21.4		8.0	25.8	90.4	6.9	1.0	3								
					Middle	4.4	0.3	115	21.3	21.3	8.0	8.0	27.0	27.1	90.2	90.3	6.8		1.5		3			
						4.4	0.3	109	21.3		8.0	27.1	90.4	6.8	1.6	4								
					Bottom	7.8	0.3	102	21.2	21.2	8.0	7.9	29.1	28.9	91.1	91.5	6.8		2.2		3			
						7.8	0.3	101	21.2		7.9	28.8	91.9	6.9	2.2	4								
IM11	Misty	Moderate	18:54	7.0	Surface	1.0	0.4	80	21.2	21.2	7.9	7.9	25.2	25.3	88.3	88.2	6.8	6.7	1.1	1.8	4	3	821488	810567
						1.0	0.4	75	21.2		7.9	25.5	88.1	6.8	1.1	4								
					Middle	3.5	0.3	113	21.1	21.1	7.9	7.9	30.0	30.0	88.4	88.6	6.6		2.0		3			
						3.5	0.4	105	21.1		7.9	30.1	88.8	6.6	2.1	4								
					Bottom	6.0	0.3	113	21.1	21.1	7.8	7.8	30.2	30.2	90.4	91.0	6.7		2.3		3			
						6.0	0.3	112	21.0		7.8	30.2	91.6	6.8	2.2	2								
IM12	Misty	Moderate	19:00	6.8	Surface	1.0	0.4	87	21.2	21.2	7.8	7.8	28.6	28.6	90.7	90.8	6.8	6.9	1.1	1.3	3	3	821173	811523
						1.0	0.3	92	21.2		7.8	28.7	90.9	6.8	1.1	3								
					Middle	3.4	0.4	107	21.1	21.1	7.8	7.8	29.0	29.0	91.3	91.6	6.9		1.2		4			
						3.4	0.4	104	21.1		7.8	29.1	91.9	6.9	1.3	3								
					Bottom	5.8	0.4	125	21.1	21.1	7.7	7.7	29.1	29.1	93.0	93.6	7.0		1.5		4			
						5.8	0.4	124	21.0		7.7	29.1	94.1	7.1	1.4	3								
SR1A	Misty	Moderate	19:14	5.0	Surface	1.0	-	70	21.1	21.1	8.0	8.0	29.0	28.9	88.9	89.0	6.7	6.7	1.3	1.5	3	4	819973	812653
						1.0	0.0	71	21.1		8.0	28.9	89.0	6.7	1.3	4								
					Middle	2.5	0.1	70	-	-	-	-	-	-	-	-	-		-		-			
						2.5	0.0	77	-		-	-	-	-	-	-	-		-					
					Bottom	4.0	0.0	91	21.1	21.1	8.0	7.9	28.8	28.8	89.1	89.1	6.7		1.7		5			
						4.0	0.0	94	21.1		7.9	28.8	89.1	6.7	1.7	4								
SR2	Misty	Moderate	19:33	4.4	Surface	1.0	0.3	43	21.2	21.2	7.9	7.8	29.9	30.0	90.3	90.5	6.7	6.8	2.3	2.4	4	5	821457	814170
						1.0	0.2	38	21.2		7.8	30.0	90.6	6.8	2.3	4								
					Middle	-	0.3	46	-	-	-	-	-	-	-	-	-		-		-			
						-	0.3	40	-		-	-	-	-	-	-	-							
					Bottom	3.4	0.3	50	21.2	21.2	7.8	7.8	30.1	30.0	92.3	92.9	6.9		2.5		5			
						3.4	0.3	45	21.1		7.8	30.0	93.5	7.0	2.4	6								
SR3	Cloudy	Moderate	19:07	8.6	Surface	1.0	0.3	157	21.0	21.0	8.1	8.1	28.2	28.3	87.3	87.3	6.6	6.7	1.8	5.1	4	4	822162	807547
						1.0	0.3	156	21.0		8.1	28.3	87.3	6.6	1.8	3								
					Middle	4.3	0.3	160	20.7	20.7	8.2	8.2	30.9	31.0	89.9	90.0	6.7		6.2		4			
						4.3	0.4	153	20.7		8.2	31.0	90.1	6.7	6.6	3								
					Bottom	7.6	0.3	153	20.6	20.6	8.2	8.2	31.1	31.1	90.5	90.6	6.8		7.0		4			
						7.6	0.3	145	20.6		8.2	31.1	90.7	6.8	7.0	5								
SR4A	Cloudy	Moderate	20:32	9.2	Surface	1.0	0.0	40	20.6	20.6	8.2	8.2	31.2	31.3	90.1	90.2	6.7	6.8	3.8	4.1	3	3	817193	807832
						1.0	0.1	35	20.6		8.2	31.3	90.2	6.7	3.9	4								
					Middle	4.6	0.0	11	20.6	20.6	8.2	8.2	31.6	31.6	91.0	91.1	6.8		4.2		2			
						4.6	0.1	12	20.6		8.2	31.6	91.1	6.8	4.2	3								
					Bottom	8.2	0.0	5	20.7	20.7	8.2	8.2	31.5	31.5	92.1	92.2	6.9		4.2		3			
						8.2	0.0	7	20.7		8.2	31.5	92.3	6.9	4.2	3								
SR8	Misty	Moderate	19:06	4.6	Surface	1.0	-	-	21.3	21.3	7.9	7.9	26.4	26.4	90.3	90.2	6.9	6.9	1.3	1.4	3	3	820381	811618
						1.0	-	-	21.3		7.9	26.4	90.1	6.9	1.2	3								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-	-	-	-	-	-								
					Bottom	3.6	-	-	21.3	21.3	7.9	7.9	28.9	28.8	90.5	90.9	6.8		1.7		3			
						3.6	-	-	21.3		7.9	28.8	91.2	6.9	1.6	2								

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

Water Quality Monitoring

Water Quality Monitoring Results on 30 March 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	Cloudy	Moderate	07:55	8.3	Surface	1.0	0.1	41	20.6	20.6	8.2	8.2	29.2	29.3	93.6	93.7	7.1	7.1	1.5	4.6	3	3	815635	804254
						1.0	0.1	45	20.6	8.2	8.2	29.3	29.3	93.7	93.7	7.1	7.1	1.5	2					
					Middle	4.2	0.1	59	20.5	20.5	8.2	8.2	31.9	31.9	93.1	93.1	7.0	7.0	2.2	4				
						4.2	0.1	59	20.5	20.5	8.2	8.2	31.9	31.9	93.1	93.1	7.0	7.0	2.2	3				
					Bottom	7.3	0.1	64	20.5	20.5	8.2	8.2	31.9	31.9	93.5	93.5	7.0	7.0	10.2	3				
						7.3	0.1	68	20.5	20.5	8.2	8.2	31.9	31.9	93.5	93.5	7.0	7.0	10.0	4				
C2	Cloudy	Moderate	09:20	11.3	Surface	1.0	0.0	268	20.9	20.9	8.1	8.1	25.9	25.9	89.9	89.8	6.9	6.8	1.7	4.0	4	4	825687	806960
						1.0	0.0	261	20.9	20.9	8.1	8.1	26.0	26.0	89.7	89.7	6.9	6.8	1.7	5				
					Middle	5.7	0.0	264	20.7	20.7	8.2	8.2	31.0	31.0	87.8	87.9	6.6	6.6	4.5	3				
						5.7	0.0	262	20.7	20.7	8.2	8.2	31.0	31.0	88.0	88.0	6.6	6.6	4.6	4				
					Bottom	10.3	0.0	299	20.7	20.7	8.1	8.1	31.2	31.1	89.3	89.5	6.7	6.7	5.8	2				
						10.3	0.1	302	20.7	20.7	8.1	8.1	31.1	31.1	89.6	89.6	6.7	6.7	5.8	3				
C3	Misty	Moderate	08:19	11.6	Surface	1.0	0.1	258	21.1	21.1	8.1	8.1	30.8	30.9	86.0	85.9	6.4	6.4	1.0	1.4	4	3	822130	817794
						1.0	0.1	254	21.1	21.1	8.1	8.1	30.9	30.9	85.7	85.7	6.4	6.4	1.0	3				
					Middle	5.8	-	258	21.1	21.1	8.1	8.1	31.3	31.3	84.5	84.5	6.3	6.3	1.2	4				
						5.8	0.1	258	21.1	21.1	8.1	8.1	31.3	31.3	84.4	84.4	6.3	6.3	1.2	3				
					Bottom	10.6	0.0	248	21.1	21.1	8.1	8.1	31.4	31.4	84.2	84.2	6.2	6.2	2.0	3				
						10.6	0.0	252	21.1	21.1	8.1	8.1	31.4	31.4	84.2	84.2	6.2	6.2	2.0	3				
IM1	Cloudy	Moderate	08:20	6.7	Surface	1.0	0.0	46	20.6	20.6	8.2	8.2	30.7	30.7	92.8	92.8	7.0	7.0	2.4	5.7	3	3	818371	806443
						1.0	0.1	41	20.6	20.6	8.2	8.2	30.8	30.8	92.7	92.7	7.0	7.0	2.6	3				
					Middle	3.4	0.0	64	20.5	20.5	8.2	8.2	31.3	31.3	92.2	92.2	6.9	6.9	4.7	3				
						3.4	0.0	62	20.5	20.5	8.2	8.2	31.4	31.4	92.1	92.1	6.9	6.9	5.3	3				
					Bottom	5.7	0.0	44	20.5	20.5	8.2	8.2	32.1	32.1	92.6	92.6	6.9	6.9	9.6	4				
						5.7	0.0	41	20.5	20.5	8.2	8.2	32.1	32.1	92.6	92.6	6.9	6.9	9.5	3				
IM2	Cloudy	Moderate	08:25	7.2	Surface	1.0	0.0	20	20.6	20.6	8.2	8.2	29.9	29.9	93.0	93.0	7.0	7.0	3.9	7.2	3	4	819174	806221
						1.0	0.0	25	20.6	20.6	8.2	8.2	29.9	29.9	93.0	93.0	7.0	7.0	4.2	3				
					Middle	3.6	0.0	3	20.6	20.6	8.2	8.2	31.9	31.9	93.1	93.2	6.9	6.9	7.1	4				
						3.6	0.0	10	20.6	20.6	8.2	8.2	32.0	32.0	93.3	93.3	7.0	7.0	7.1	5				
					Bottom	6.2	0.0	11	20.5	20.5	8.2	8.2	32.1	32.1	93.8	94.0	7.0	7.0	10.5	5				
						6.2	0.1	13	20.4	20.5	8.2	8.2	32.1	32.1	94.1	94.0	7.0	7.0	10.3	4				
IM7	Cloudy	Moderate	08:47	8.5	Surface	1.0	0.0	40	20.8	20.8	8.2	8.2	26.2	26.2	91.0	91.0	7.0	7.0	2.5	4.1	3	3	821349	806820
						1.0	0.0	33	20.8	20.8	8.2	8.2	26.2	26.2	90.9	90.9	7.0	7.0	2.7	3				
					Middle	4.3	0.1	41	20.7	20.7	8.2	8.2	31.2	31.2	91.8	91.9	6.9	6.9	4.5	4				
						4.3	0.1	36	20.7	20.7	8.2	8.2	31.3	31.3	91.9	91.9	6.9	6.9	4.7	3				
					Bottom	7.5	0.0	39	20.6	20.6	8.2	8.2	31.3	31.4	92.6	92.7	6.9	6.9	5.2	3				
						7.5	0.0	35	20.6	20.6	8.2	8.2	31.4	31.4	92.8	92.7	6.9	6.9	5.2	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

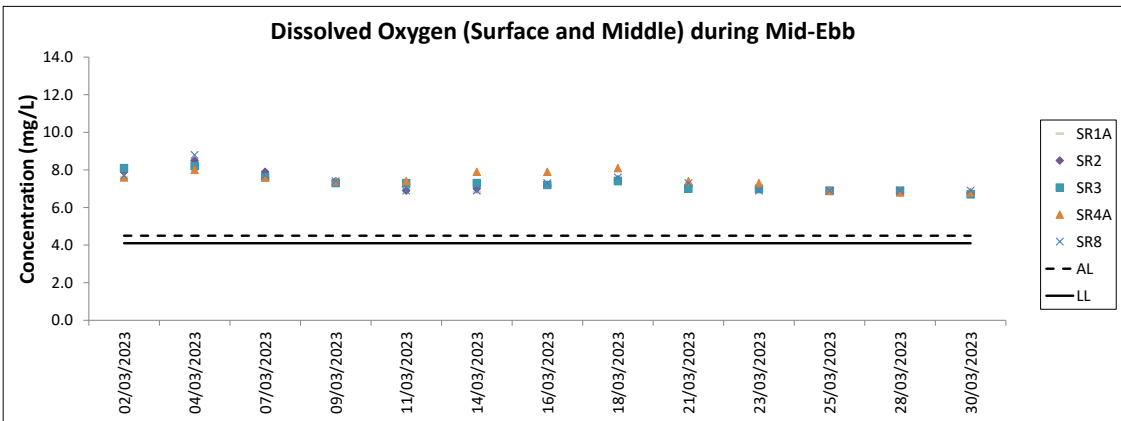
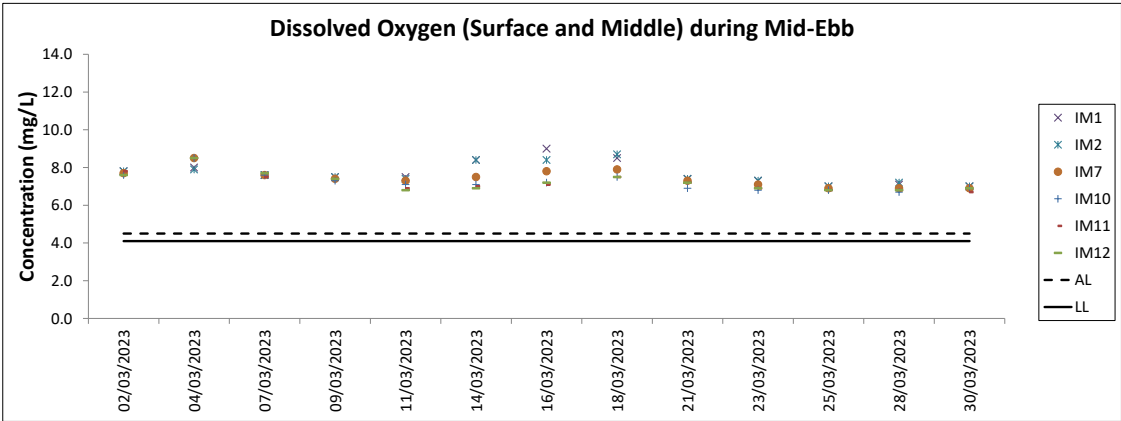
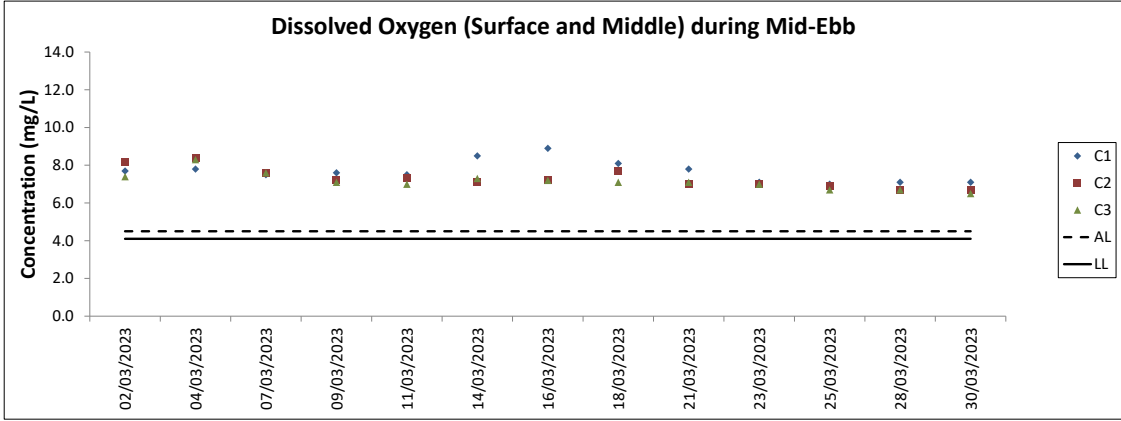
Water Quality Monitoring Results on 30 March 23 during Mid-Flood Tide

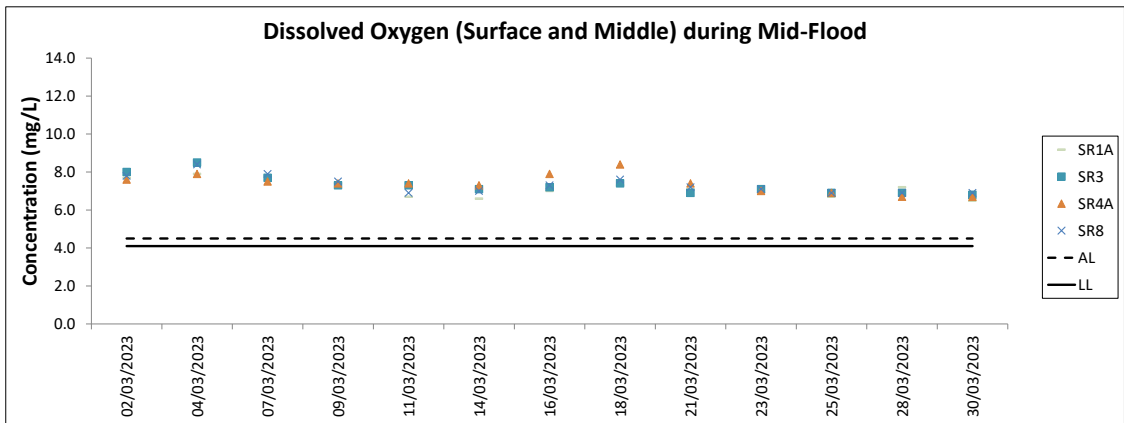
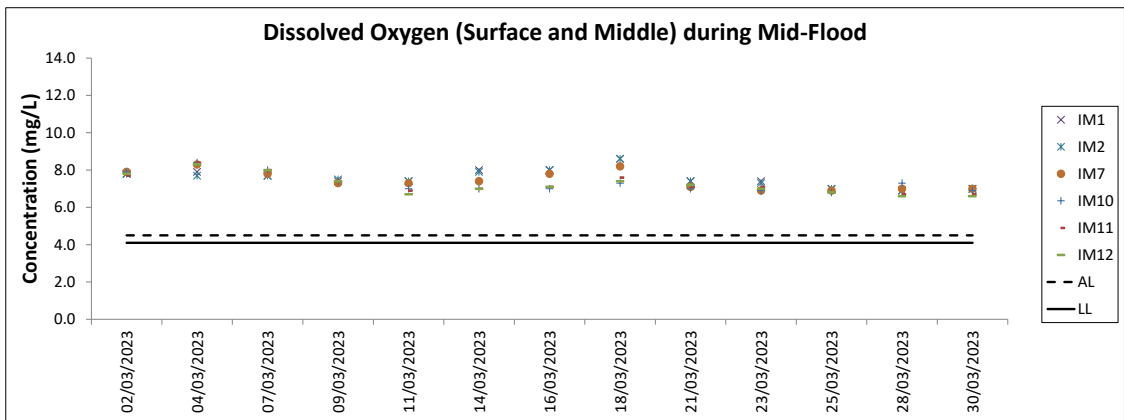
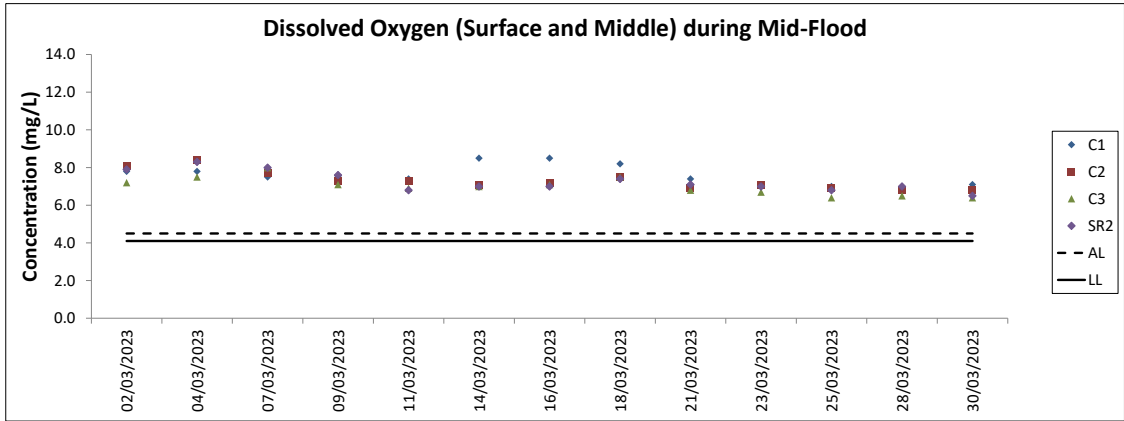
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)			
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA							
IM10	Misty	Moderate	09:23	8.6	Surface	1.0	0.0	306	21.4	21.4	7.9	7.9	25.5	25.6	90.6	90.6	6.9	6.9	1.3	1.6	3	4	822241	809841			
						1.0	0.0	302	21.4		7.9		25.7		90.5		6.9		1.3		3						
					Middle	4.3	-	294	21.3	7.9	7.9	28.4	28.6	90.8	90.8	6.8	6.8	1.6	6.8	4							
						4.3	0.1	299	21.2	7.9	28.7	90.8		6.8		1.5		4									
					Bottom	7.6	0.1	301	21.1	7.9	7.9	29.5	29.4	91.6	92.0	6.9	6.9	1.9	6.9	4							
						7.6	0.1	301	21.1	7.8	29.4	92.3		6.9		1.9		4									
IM11	Misty	Moderate	09:16	7.4	Surface	1.0	0.0	288	21.2	21.2	7.9	7.9	25.8	25.8	88.5	88.3	6.8	6.7	1.8	2.1	4	3	821484	810532			
						1.0	0.0	292	21.2		7.9		25.9		88.1		6.7		1.9		4						
					Middle	3.7	0.0	281	21.2	7.9	7.9	29.9	30.0	88.0	88.1	6.6	6.6	2.0	6.6	3							
						3.7	0.0	284	21.1	7.9	30.0	88.2		6.6		2.0		3									
					Bottom	6.4	0.0	282	21.1	7.8	7.8	30.2	30.2	90.1	90.6	6.7	6.8	2.6	6.8	3							
						6.4	0.0	282	21.0	7.8	30.2	91.1		6.8		2.6		3									
IM12	Misty	Moderate	09:11	8.2	Surface	1.0	0.1	302	21.2	21.2	7.9	7.9	26.8	26.9	87.4	87.4	6.6	6.6	1.6	2.2	4	5	821149	811531			
						1.0	0.1	300	21.2		7.9		27.0		87.3		6.6		1.7		4						
					Middle	4.1	0.0	305	21.1	7.9	7.9	30.2	30.2	87.5	87.7	6.5	6.6	2.2	6.6	4							
						4.1	-	306	21.1	7.9	30.2	87.8		6.6		2.1		5									
					Bottom	7.2	0.0	321	21.0	7.9	7.8	30.1	30.0	89.3	90.0	6.7	6.8	2.8	6.8	5							
						7.2	0.0	319	21.0	7.8	30.0	90.7		6.8		2.7		5									
SR1A	Misty	Moderate	08:47	5.0	Surface	1.0	0.0	198	21.2	21.2	8.0	8.0	29.3	29.3	87.3	87.3	6.5	6.5	2.0	2.1	3	4	819974	812661			
						1.0	0.1	201	21.2		8.0		29.3		87.2		6.5		2.1		4						
					Middle	2.5	-	217	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						2.5	0.1	223	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.0	0.0	184	21.2	8.0	8.0	29.4	29.4	87.0	87.0	6.5	6.5	2.1	6.5	3							
						4.0	-	177	21.2	8.0	29.4	86.9		6.5		2.1		4									
SR2	Misty	Moderate	08:39	5.2	Surface	1.0	0.1	205	21.2	21.2	7.9	7.9	29.7	29.8	86.8	86.9	6.5	6.5	1.2	1.5	4	3	821444	814161			
						1.0	0.0	206	21.2		7.9		29.8		86.9		6.5		1.3		4						
					Middle	-	0.0	228	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
						-	0.0	220	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-
					Bottom	4.2	0.1	192	20.9	7.8	7.8	30.6	30.6	89.6	90.1	6.7	6.8	1.7	6.8	3							
						4.2	0.1	192	20.8	7.8	30.7	90.5		6.8		1.7		2									
SR3	Cloudy	Moderate	08:57	9.1	Surface	1.0	0.0	156	20.9	20.9	8.1	8.1	26.2	26.2	88.8	88.8	6.8	6.8	2.0	4.7	3	3	822134	807564			
						1.0	0.0	150	20.9		8.1		26.2		88.7		6.8		2.0		3						
					Middle	4.6	0.0	167	20.7	8.2	8.2	30.2	30.3	89.7	89.9	6.7	6.8	4.9	6.8	4							
						4.6	0.0	160	20.7	8.2	30.3	90.0		6.8		5.2		3									
					Bottom	8.1	0.1	142	20.7	8.2	8.2	31.0	31.0	91.7	91.8	6.9	6.9	7.2	6.9	4							
						8.1	0.1	147	20.7	8.2	31.0	91.9		6.9		7.1		3									
SR4A	Cloudy	Moderate	07:25	8.8	Surface	1.0	0.0	306	20.7	20.7	8.0	8.0	29.9	29.9	90.3	90.3	6.8	6.7	3.0	5.1	4	4	817208	807805			
						1.0	0.0	299	20.7		8.0		29.9		90.3		6.8		3.1		4						
					Middle	4.4	0.0	298	20.6	8.0	8.0	31.3	31.3	88.3	88.3	6.6	6.6	5.7	6.6	4							
						4.4	0.0	295	20.6	8.0	31.3	88.3		6.6		5.7		4									
					Bottom	7.8	0.1	311	20.6	8.0	8.0	31.3	31.3	88.4	88.4	6.6	6.6	6.6	6.6	2							
						7.8	0.1	307	20.6	8.0	31.3	88.4		6.6		6.5		3									
SR8	Misty	Moderate	09:07	5.6	Surface	1.0	-	-	21.1	21.1	7.9	7.9	26.7	26.7	90.6	90.4	6.9	6.9	1.1	1.3	3	4	820373	811629			
						1.0	-	-	21.1		7.9		26.8		90.2		6.9		1.1		4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	
					Bottom	4.6	-	-	21.0	7.8	7.8	29.8	29.8	91.5	92.6	6.9	7.0	1.4	7.0	4							
						4.6	-	-	21.0	7.8	29.7	93.7		7.0		1.4		5									

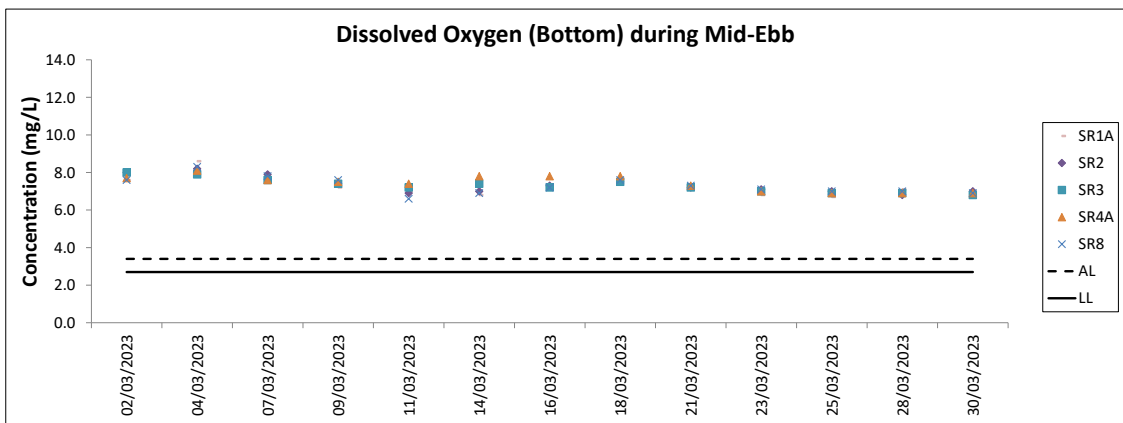
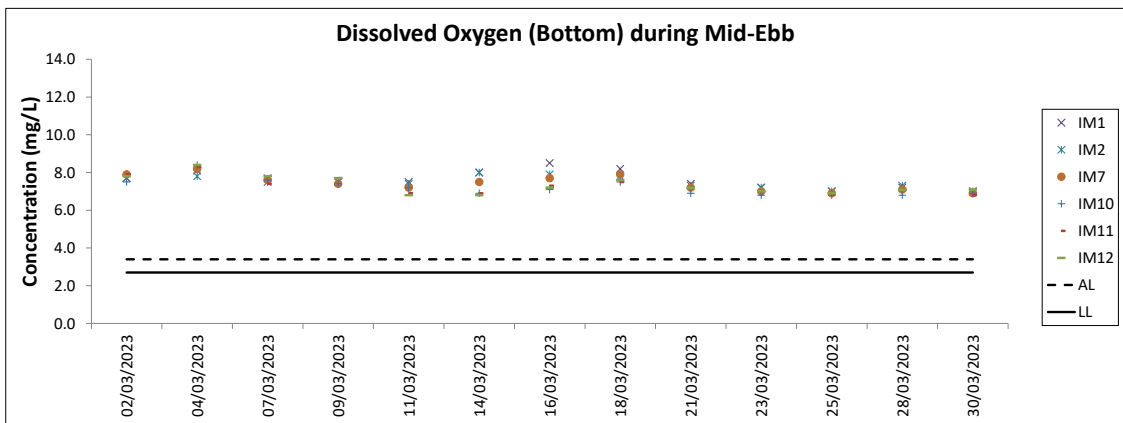
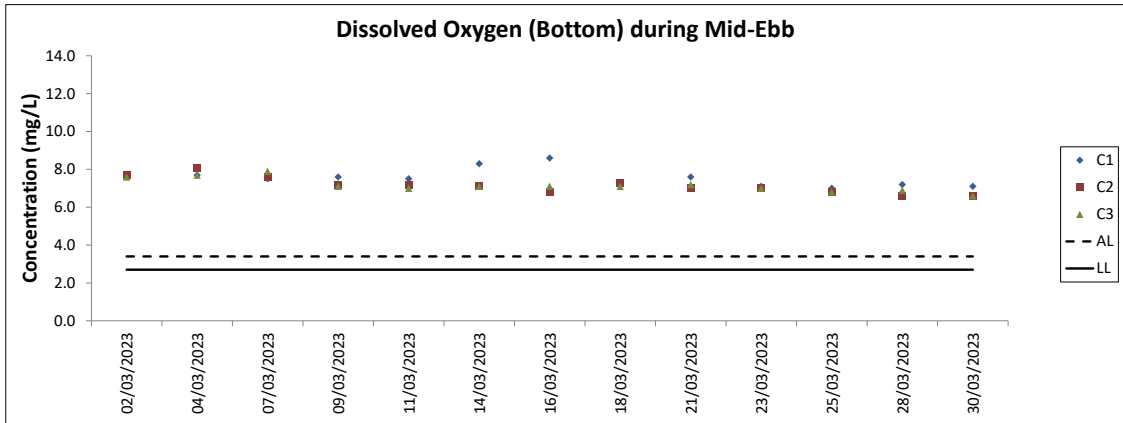
DA: Depth-Averaged

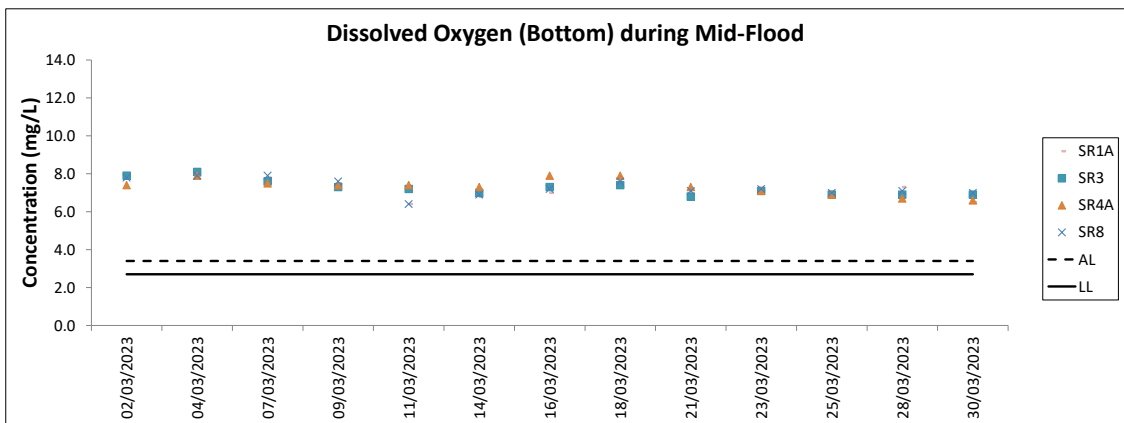
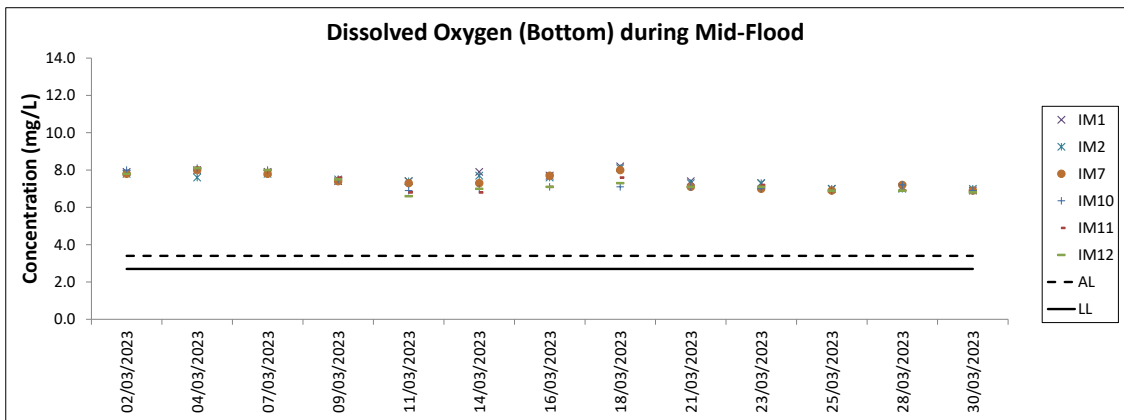
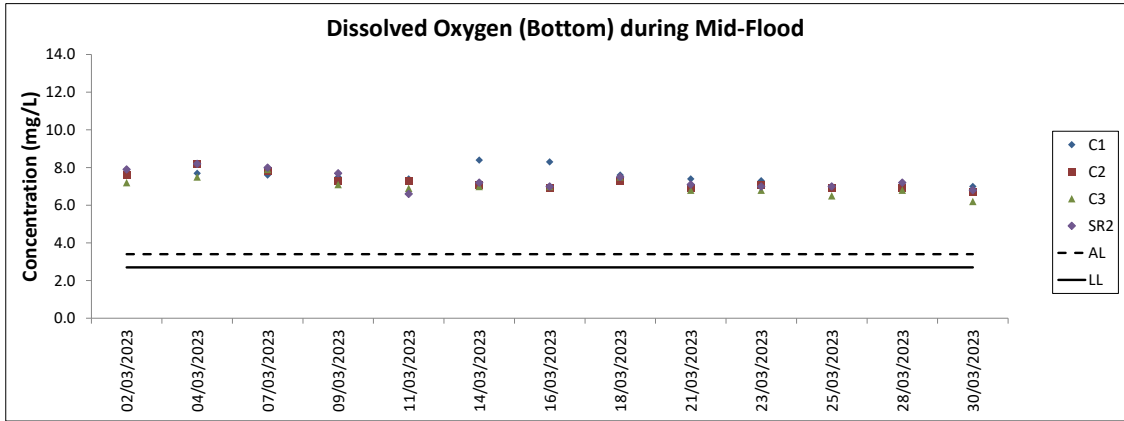
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

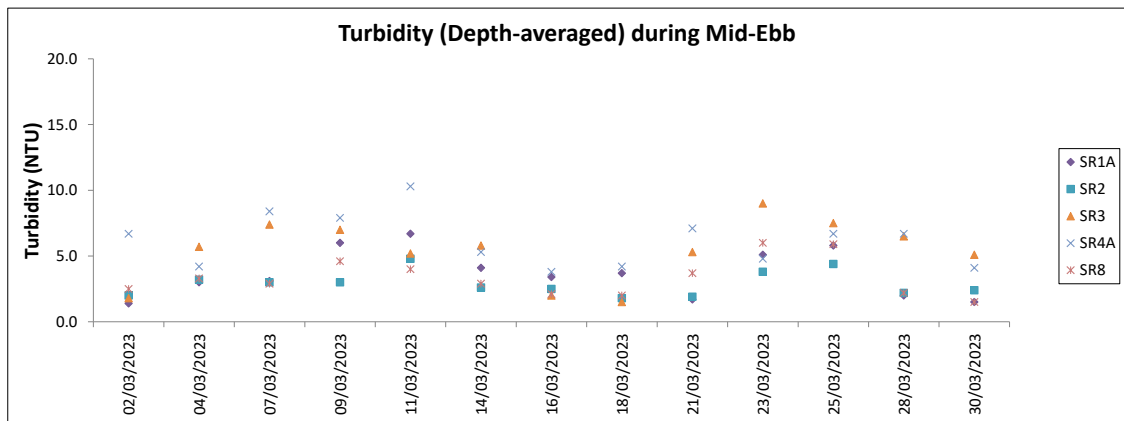
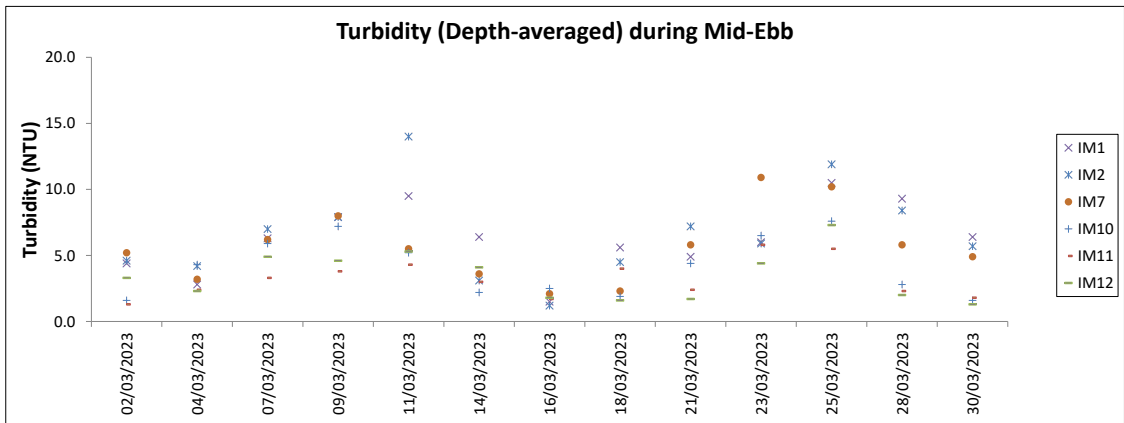
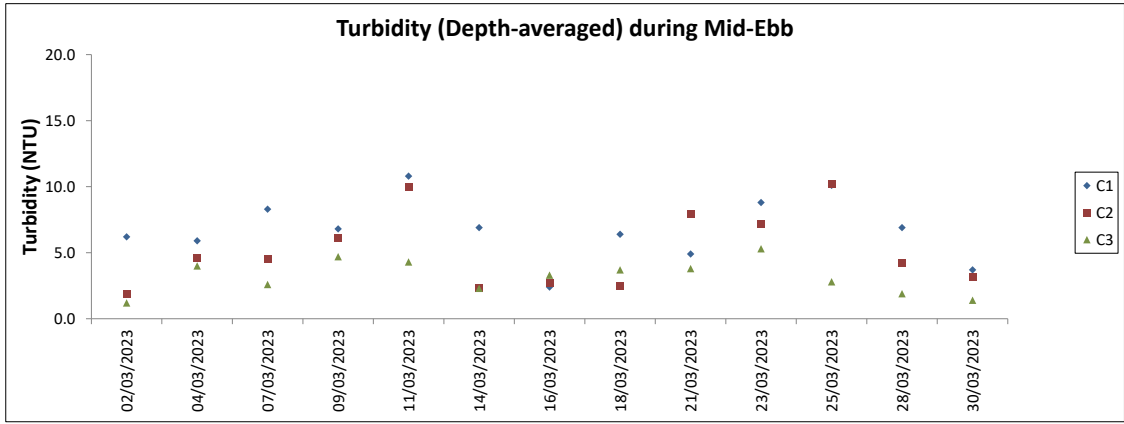
Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined



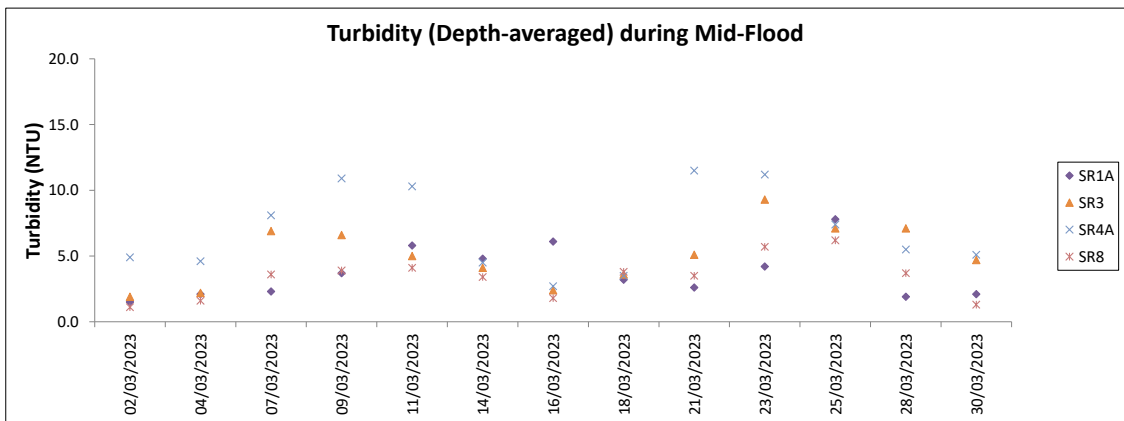
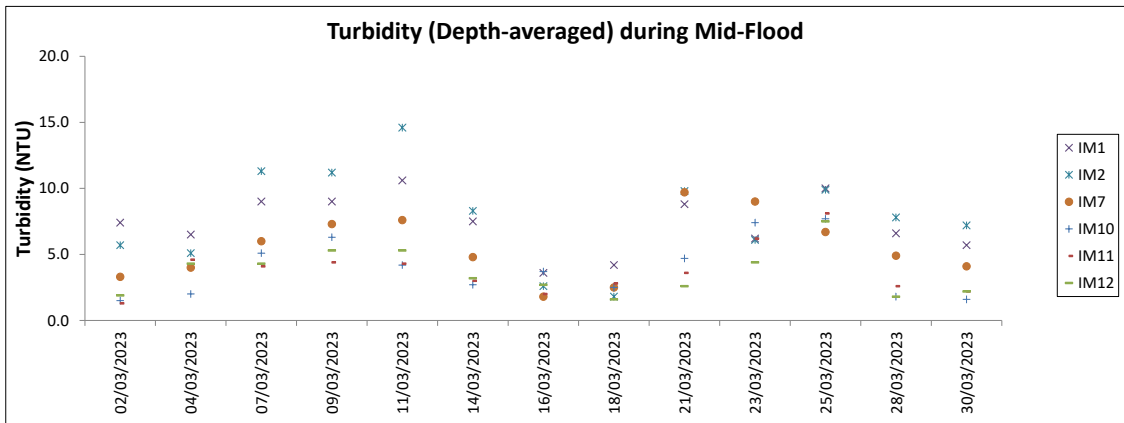
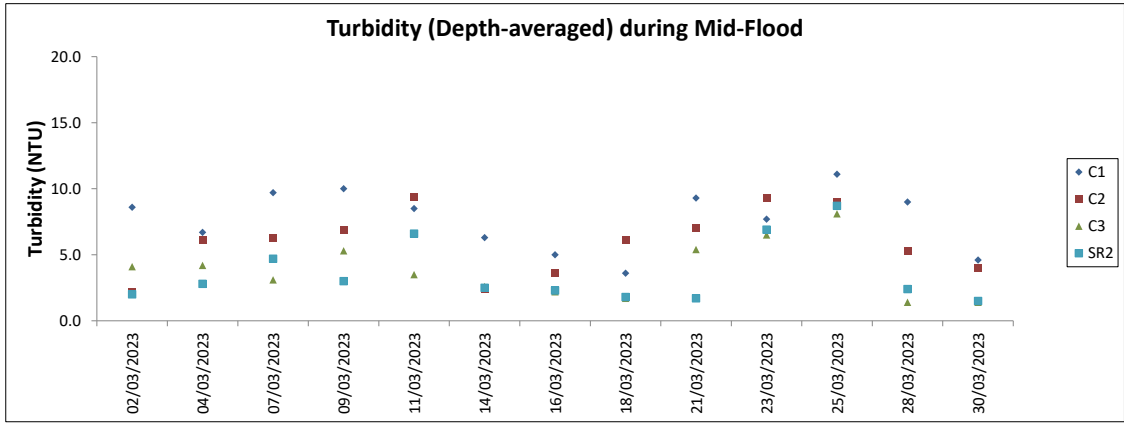




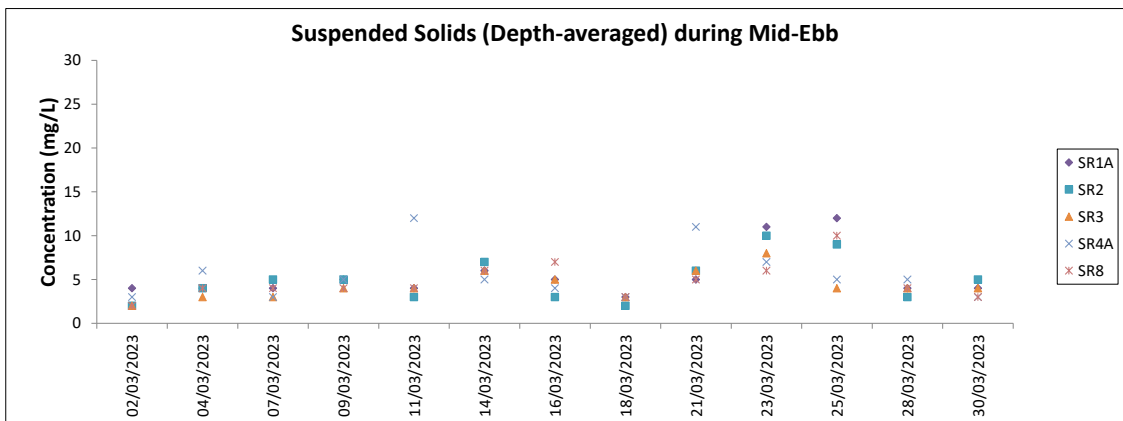
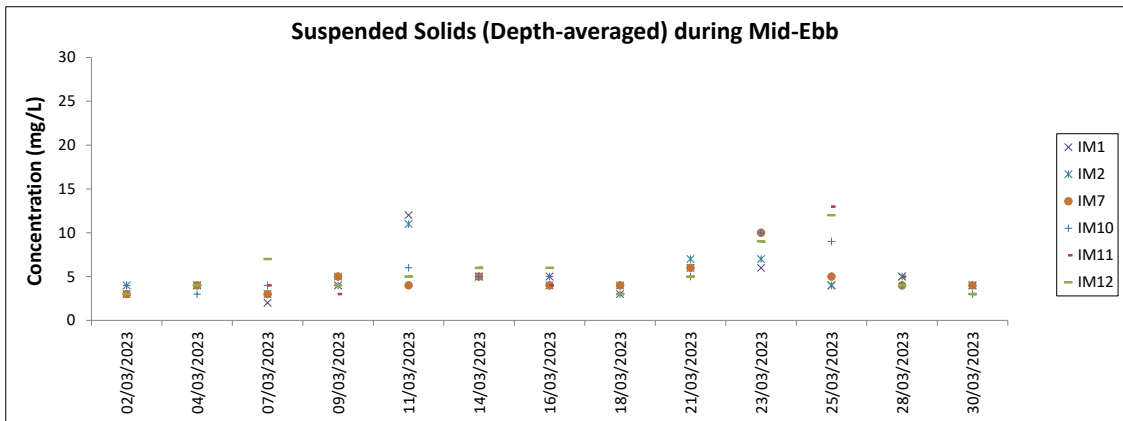
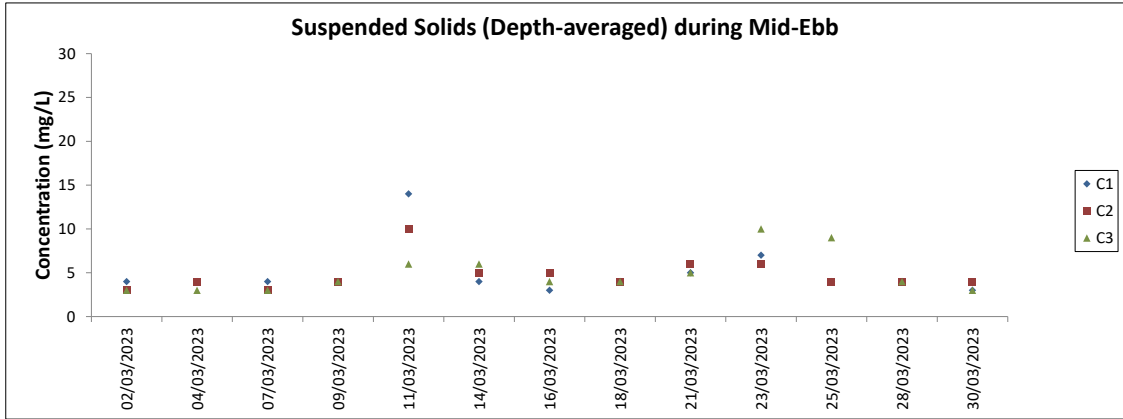




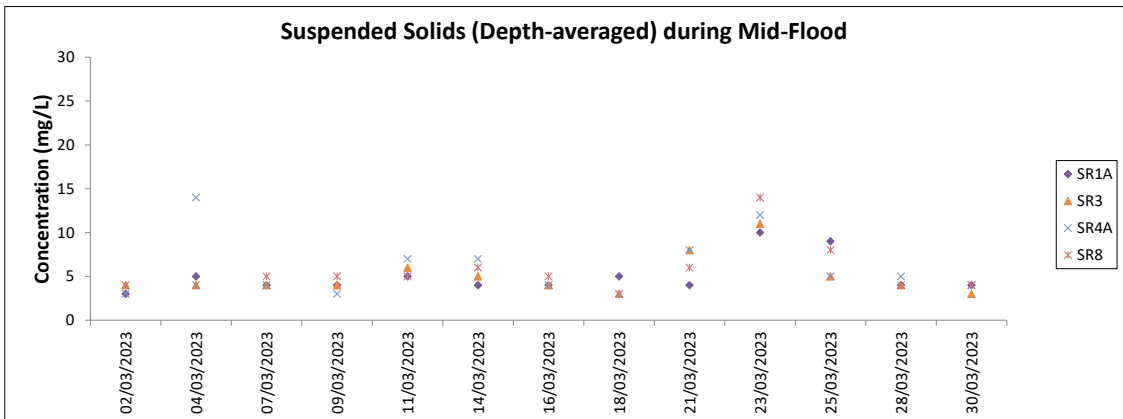
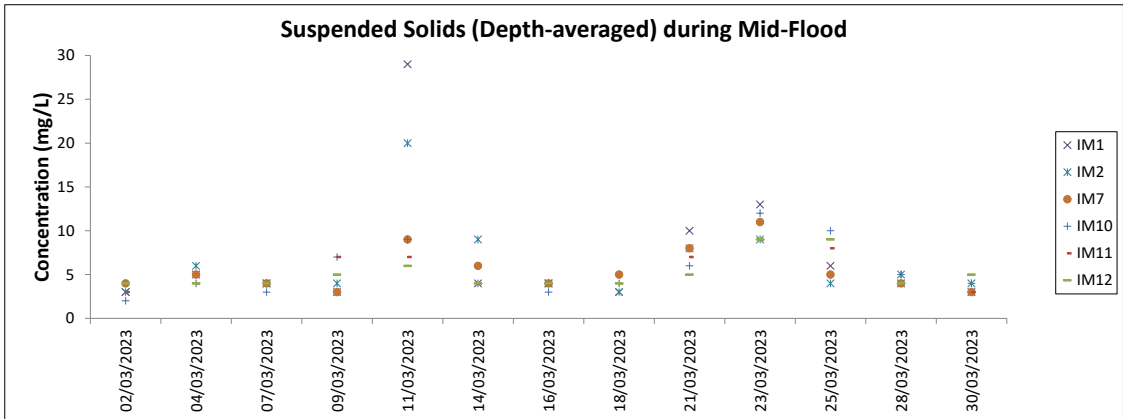
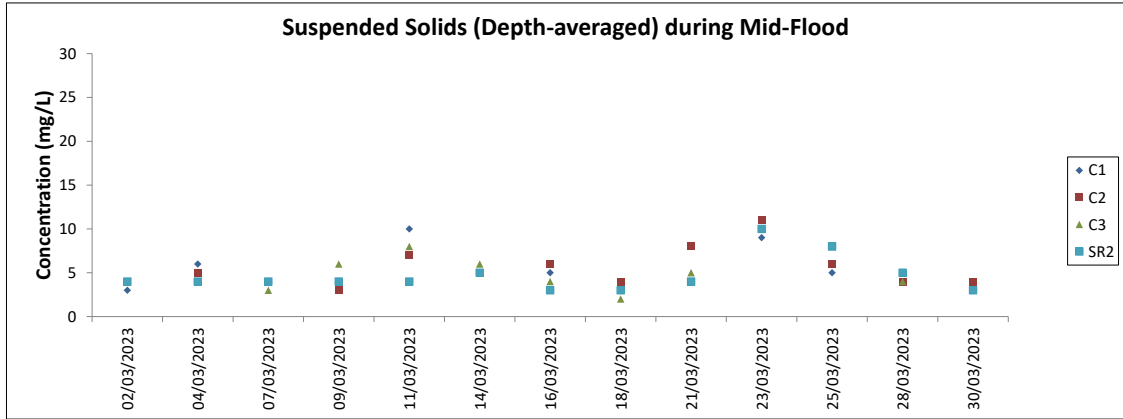
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



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
06-Jan-23	NWL	2	27.910	WINTER	32166	3RS ET	P
06-Jan-23	NWL	3	34.020	WINTER	32166	3RS ET	P
06-Jan-23	NWL	2	5.290	WINTER	32166	3RS ET	S
06-Jan-23	NWL	3	6.780	WINTER	32166	3RS ET	S
09-Jan-23	NWL	2	22.370	WINTER	32166	3RS ET	P
09-Jan-23	NWL	3	39.710	WINTER	32166	3RS ET	P
09-Jan-23	NWL	2	3.350	WINTER	32166	3RS ET	S
09-Jan-23	NWL	3	8.820	WINTER	32166	3RS ET	S
10-Jan-23	SWL	2	56.930	WINTER	32166	3RS ET	P
10-Jan-23	SWL	2	13.570	WINTER	32166	3RS ET	S
12-Jan-23	AW	2	2.890	WINTER	32166	3RS ET	P
12-Jan-23	AW	3	1.690	WINTER	32166	3RS ET	P
12-Jan-23	WL	2	17.170	WINTER	32166	3RS ET	P
12-Jan-23	WL	3	2.500	WINTER	32166	3RS ET	P
12-Jan-23	WL	2	9.830	WINTER	32166	3RS ET	S
12-Jan-23	WL	3	1.100	WINTER	32166	3RS ET	S
13-Jan-23	SWL	1	3.380	WINTER	32166	3RS ET	P
13-Jan-23	SWL	2	50.173	WINTER	32166	3RS ET	P
13-Jan-23	SWL	1	2.050	WINTER	32166	3RS ET	S
13-Jan-23	SWL	2	16.697	WINTER	32166	3RS ET	S
16-Jan-23	NEL	2	8.200	WINTER	32166	3RS ET	P
16-Jan-23	NEL	3	28.750	WINTER	32166	3RS ET	P
16-Jan-23	NEL	2	4.200	WINTER	32166	3RS ET	S
16-Jan-23	NEL	3	6.150	WINTER	32166	3RS ET	S
17-Jan-23	NEL	2	28.590	WINTER	32166	3RS ET	P
17-Jan-23	NEL	3	8.380	WINTER	32166	3RS ET	P
17-Jan-23	NEL	2	10.130	WINTER	32166	3RS ET	S
18-Jan-23	WL	3	15.140	WINTER	32166	3RS ET	P
18-Jan-23	WL	4	5.200	WINTER	32166	3RS ET	P
18-Jan-23	WL	3	7.360	WINTER	32166	3RS ET	S
18-Jan-23	WL	4	3.200	WINTER	32166	3RS ET	S
18-Jan-23	AW	2	4.760	WINTER	32166	3RS ET	P
07-Feb-23	SWL	1	2.430	WINTER	32166	3RS ET	P
07-Feb-23	SWL	2	43.158	WINTER	32166	3RS ET	P
07-Feb-23	SWL	3	8.780	WINTER	32166	3RS ET	P
07-Feb-23	SWL	2	12.322	WINTER	32166	3RS ET	S
07-Feb-23	SWL	3	3.000	WINTER	32166	3RS ET	S
08-Feb-23	NEL	2	22.760	WINTER	32166	3RS ET	P
08-Feb-23	NEL	3	14.500	WINTER	32166	3RS ET	P
08-Feb-23	NEL	2	7.170	WINTER	32166	3RS ET	S
08-Feb-23	NEL	3	2.970	WINTER	32166	3RS ET	S
13-Feb-23	SWL	2	51.784	WINTER	32166	3RS ET	P
13-Feb-23	SWL	3	1.500	WINTER	32166	3RS ET	P
13-Feb-23	SWL	2	16.273	WINTER	32166	3RS ET	S
14-Feb-23	NEL	2	26.770	WINTER	32166	3RS ET	P
14-Feb-23	NEL	3	9.330	WINTER	32166	3RS ET	P
14-Feb-23	NEL	4	1.180	WINTER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
14-Feb-23	NEL	2	8.820	WINTER	32166	3RS ET	S
14-Feb-23	NEL	3	0.800	WINTER	32166	3RS ET	S
16-Feb-23	NWL	2	10.780	WINTER	32166	3RS ET	P
16-Feb-23	NWL	3	51.368	WINTER	32166	3RS ET	P
16-Feb-23	NWL	2	3.860	WINTER	32166	3RS ET	S
16-Feb-23	NWL	3	7.940	WINTER	32166	3RS ET	S
20-Feb-23	NWL	2	11.500	WINTER	32166	3RS ET	P
20-Feb-23	NWL	3	50.750	WINTER	32166	3RS ET	P
20-Feb-23	NWL	2	4.200	WINTER	32166	3RS ET	S
20-Feb-23	NWL	3	7.850	WINTER	32166	3RS ET	S
21-Feb-23	AW	2	4.700	WINTER	32166	3RS ET	P
21-Feb-23	WL	2	4.530	WINTER	32166	3RS ET	P
21-Feb-23	WL	3	12.181	WINTER	32166	3RS ET	P
21-Feb-23	WL	4	2.220	WINTER	32166	3RS ET	P
21-Feb-23	WL	5	0.370	WINTER	32166	3RS ET	P
21-Feb-23	WL	2	5.229	WINTER	32166	3RS ET	S
21-Feb-23	WL	3	1.159	WINTER	32166	3RS ET	S
21-Feb-23	WL	4	3.810	WINTER	32166	3RS ET	S
22-Feb-23	AW	3	3.970	WINTER	32166	3RS ET	P
22-Feb-23	WL	3	15.367	WINTER	32166	3RS ET	P
22-Feb-23	WL	4	1.380	WINTER	32166	3RS ET	P
22-Feb-23	WL	3	7.158	WINTER	32166	3RS ET	S
22-Feb-23	WL	4	2.670	WINTER	32166	3RS ET	S
01-Mar-23	AW	2	4.970	SPRING	32166	3RS ET	P
01-Mar-23	WL	2	11.695	SPRING	32166	3RS ET	P
01-Mar-23	WL	2	6.491	SPRING	32166	3RS ET	S
02-Mar-23	AW	2	1.190	SPRING	32166	3RS ET	P
02-Mar-23	AW	3	3.880	SPRING	32166	3RS ET	P
02-Mar-23	WL	2	3.848	SPRING	32166	3RS ET	P
02-Mar-23	WL	3	15.030	SPRING	32166	3RS ET	P
02-Mar-23	WL	4	1.200	SPRING	32166	3RS ET	P
02-Mar-23	WL	2	2.520	SPRING	32166	3RS ET	S
02-Mar-23	WL	3	6.430	SPRING	32166	3RS ET	S
02-Mar-23	WL	4	1.030	SPRING	32166	3RS ET	S
03-Mar-23	NWL	2	41.440	SPRING	32166	3RS ET	P
03-Mar-23	NWL	3	21.770	SPRING	32166	3RS ET	P
03-Mar-23	NWL	2	11.390	SPRING	32166	3RS ET	S
06-Mar-23	NEL	2	5.820	SPRING	32166	3RS ET	P
06-Mar-23	NEL	3	31.280	SPRING	32166	3RS ET	P
06-Mar-23	NEL	2	3.950	SPRING	32166	3RS ET	S
06-Mar-23	NEL	3	5.650	SPRING	32166	3RS ET	S
07-Mar-23	NWL	2	38.700	SPRING	32166	3RS ET	P
07-Mar-23	NWL	3	23.095	SPRING	32166	3RS ET	P
07-Mar-23	NWL	2	5.645	SPRING	32166	3RS ET	S
07-Mar-23	NWL	3	4.860	SPRING	32166	3RS ET	S
09-Mar-23	SWL	2	53.106	SPRING	32166	3RS ET	P
09-Mar-23	SWL	2	15.716	SPRING	32166	3RS ET	S
10-Mar-23	SWL	2	6.340	SPRING	32166	3RS ET	P
10-Mar-23	SWL	3	36.560	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
10-Mar-23	SWL	4	10.900	SPRING	32166	3RS ET	P
10-Mar-23	SWL	2	0.800	SPRING	32166	3RS ET	S
10-Mar-23	SWL	3	11.640	SPRING	32166	3RS ET	S
10-Mar-23	SWL	4	4.000	SPRING	32166	3RS ET	S
13-Mar-23	NEL	2	36.470	SPRING	32166	3RS ET	P
13-Mar-23	NEL	2	10.830	SPRING	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
06-Jan-23	1	1048	CWD	5	NWL	3	98	ON	3RS ET	22.2845	113.8776	WINTER	NONE	P
06-Jan-23	2	1303	CWD	3	NWL	3	399	ON	3RS ET	22.3944	113.8973	WINTER	PAIR TRAWLER	P
09-Jan-23	1	1013	CWD	2	NWL	2	51	ON	3RS ET	22.3058	113.8700	WINTER	NONE	P
09-Jan-23	2	1056	CWD	2	NWL	2	19	ON	3RS ET	22.2958	113.8777	WINTER	NONE	P
09-Jan-23	3	1144	CWD	4	NWL	3	351	ON	3RS ET	22.3661	113.8778	WINTER	NONE	P
13-Jan-23	1	1106	FP	2	SWL	2	7	ON	3RS ET	22.1527	113.9276	WINTER	NONE	P
13-Jan-23	2	1220	FP	1	SWL	2	64	ON	3RS ET	22.1579	113.8989	WINTER	NONE	S
13-Jan-23	3	1228	CWD	1	SWL	2	57	ON	3RS ET	22.1703	113.9076	WINTER	NONE	P
13-Jan-23	4	1327	FP	2	SWL	2	60	ON	3RS ET	22.1494	113.8887	WINTER	NONE	S
13-Jan-23	5	1516	CWD	2	SWL	2	56	ON	3RS ET	22.1940	113.8498	WINTER	NONE	P
07-Feb-23	1	1109	FP	3	SWL	2	143	ON	3RS ET	22.1557	113.9258	WINTER	NONE	P
07-Feb-23	2	1200	FP	3	SWL	2	76	ON	3RS ET	22.1520	113.9175	WINTER	NONE	P
07-Feb-23	3	1209	FP	7	SWL	2	47	ON	3RS ET	22.1418	113.9107	WINTER	NONE	S
07-Feb-23	4	1232	FP	2	SWL	2	64	ON	3RS ET	22.1770	113.9058	WINTER	NONE	P
07-Feb-23	5	1258	FP	6	SWL	2	39	ON	3RS ET	22.1976	113.8973	WINTER	NONE	P
07-Feb-23	6	1307	FP	1	SWL	2	380	ON	3RS ET	22.1823	113.8972	WINTER	NONE	P
13-Feb-23	1	1034	FP	1	SWL	2	14	ON	3RS ET	22.1841	113.9358	WINTER	NONE	P
13-Feb-23	2	1036	FP	5	SWL	2	10	ON	3RS ET	22.1815	113.9359	WINTER	NONE	P
13-Feb-23	3	1254	FP	2	SWL	2	74	ON	3RS ET	22.1731	113.8965	WINTER	NONE	P
13-Feb-23	4	1321	FP	1	SWL	2	109	ON	3RS ET	22.1754	113.8879	WINTER	NONE	P
13-Feb-23	5	1335	FP	2	SWL	2	60	ON	3RS ET	22.2072	113.8878	WINTER	NONE	P
13-Feb-23	6	1417	FP	2	SWL	2	17	ON	3RS ET	22.1751	113.8690	WINTER	NONE	P
16-Feb-23	1	1036	CWD	16	NWL	3	38	ON	3RS ET	22.2750	113.8697	WINTER	NONE	P
16-Feb-23	2	1151	CWD	2	NWL	3	56	ON	3RS ET	22.3604	113.8777	WINTER	NONE	P
16-Feb-23	3	1202	CWD	7	NWL	3	87	ON	3RS ET	22.3668	113.8776	WINTER	NONE	P
16-Feb-23	4	1325	CWD	2	NWL	3	129	ON	3RS ET	22.3496	113.8975	WINTER	NONE	P
20-Feb-23	1	1118	CWD	2	NWL	3	120	ON	3RS ET	22.3748	113.8775	WINTER	NONE	P
21-Feb-23	1	1020	CWD	4	WL	3	52	ON	3RS ET	22.2804	113.8611	WINTER	NONE	P
21-Feb-23	2	1027	CWD	1	WL	3	109	ON	3RS ET	22.2780	113.8581	WINTER	NONE	P
21-Feb-23	3	1036	CWD	3	WL	3	493	ON	3RS ET	22.2724	113.8478	WINTER	NONE	S
21-Feb-23	4	1126	CWD	2	WL	2	37	ON	3RS ET	22.2319	113.8284	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
21-Feb-23	5	1206	CWD	1	WL	3	97	ON	3RS ET	22.2055	113.8383	WINTER	NONE	P
22-Feb-23	1	0941	CWD	3	AW	3	42	ON	3RS ET	22.2947	113.8799	WINTER	NONE	P
22-Feb-23	2	1031	CWD	3	WL	3	284	ON	3RS ET	22.2693	113.8469	WINTER	NONE	P
22-Feb-23	3	1050	CWD	3	WL	3	48	ON	3RS ET	22.2599	113.8395	WINTER	NONE	P
22-Feb-23	4	1125	CWD	2	WL	3	70	ON	3RS ET	22.2443	113.8493	WINTER	NONE	S
22-Feb-23	5	1137	CWD	1	WL	3	217	ON	3RS ET	22.2420	113.8461	WINTER	NONE	P
22-Feb-23	6	1150	CWD	4	WL	3	313	ON	3RS ET	22.2415	113.8352	WINTER	NONE	P
22-Feb-23	7	1206	CWD	7	WL	3	270	ON	3RS ET	22.2316	113.8277	WINTER	NONE	P
22-Feb-23	8	1221	CWD	2	WL	3	29	ON	3RS ET	22.2236	113.8368	WINTER	PURSE SEINER	S
22-Feb-23	9	1236	CWD	3	WL	3	361	ON	3RS ET	22.2230	113.8298	WINTER	NONE	P
22-Feb-23	10	1308	CWD	4	WL	3	55	ON	3RS ET	22.2054	113.8381	WINTER	NONE	P
01-Mar-23	1	1116	CWD	1	AW	2	384	ON	3RS ET	22.3020	113.8820	SPRING	NONE	P
01-Mar-23	2	1202	CWD	7	WL	2	79	ON	3RS ET	22.2721	113.8461	SPRING	NONE	P
01-Mar-23	3	1258	CWD	2	WL	2	852	ON	3RS ET	22.2537	113.8347	SPRING	NONE	S
01-Mar-23	4	1315	CWD	6	WL	2	569	ON	3RS ET	22.2422	113.8338	SPRING	NONE	P
01-Mar-23	5	1343	CWD	7	WL	2	84	ON	3RS ET	22.2280	113.8379	SPRING	NONE	S
01-Mar-23	6	1420	CWD	7	WL	2	249	ON	3RS ET	22.2056	113.8281	SPRING	NONE	P
01-Mar-23	7	1447	CWD	3	WL	2	345	ON	3RS ET	22.1962	113.8339	SPRING	NONE	P
02-Mar-23	1	1039	CWD	6	WL	2	116	ON	3RS ET	22.2294	113.8379	SPRING	NONE	S
02-Mar-23	2	1051	CWD	14	WL	2	296	ON	3RS ET	22.2234	113.8338	SPRING	NONE	P
02-Mar-23	3	1153	CWD	7	WL	3	156	ON	3RS ET	22.1960	113.8395	SPRING	NONE	P
03-Mar-23	1	1050	CWD	5	NWL	3	167	ON	3RS ET	22.2804	113.8782	SPRING	NONE	P
07-Mar-23	1	1034	CWD	1	NWL	3	597	ON	3RS ET	22.2792	113.8700	SPRING	NONE	P
07-Mar-23	2	1140	CWD	1	NWL	2	122	ON	3RS ET	22.4001	113.8778	SPRING	NONE	P
09-Mar-23	1	1036	CWD	1	SWL	2	701	ON	3RS ET	22.2231	113.9365	SPRING	NONE	P
09-Mar-23	2	1112	FP	1	SWL	2	138	ON	3RS ET	22.1655	113.9358	SPRING	NONE	P
09-Mar-23	3	1116	FP	1	SWL	2	21	ON	3RS ET	22.1619	113.9356	SPRING	NONE	P
09-Mar-23	4	1121	FP	1	SWL	2	8	ON	3RS ET	22.1544	113.9359	SPRING	NONE	P
09-Mar-23	5	1124	FP	1	SWL	2	6	ON	3RS ET	22.1526	113.9363	SPRING	NONE	P
09-Mar-23	6	1232	FP	2	SWL	2	252	ON	3RS ET	22.1416	113.9120	SPRING	NONE	S
09-Mar-23	7	1259	FP	1	SWL	2	122	ON	3RS ET	22.1798	113.9040	SPRING	NONE	S
09-Mar-23	8	1345	FP	1	SWL	2	74	ON	3RS ET	22.1521	113.8976	SPRING	NONE	P
09-Mar-23	9	1513	CWD	5	SWL	2	389	ON	3RS ET	22.1930	113.8593	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
10-Mar-23	1	1416	FP	2	SWL	2	29	ON	3RS ET	22.1643	113.8681	SPRING	NONE	P
10-Mar-23	2	1438	CWD	2	SWL	3	211	ON	3RS ET	22.1951	113.8583	SPRING	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 421.116 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 16 on-effort sightings and total number of 75 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in March 2023 are shown as below:

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

$$STG = \frac{16}{421.116} \times 100 = 3.80$$

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

$$ANI = \frac{75}{421.116} \times 100 = 17.81$$

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

A total of 1303.915 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 43 on-effort sightings and total number of 166 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)

$$STG = \frac{43}{1303.915} \times 100 = 3.30$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{166}{1303.915} \times 100 = 12.73$$

CWD Small Vessel Line-transect Survey

Photo Identification



WLMM027_20230301_1_8



NLMM021_20230301_2_13



NLMM081_20230301_2_6



SLMM074_20230301_2_15



WLMM181_20230301_2_10



WLMM182_20230301_2_5



WLMM181_20230301_3_1



NLMM040_20230301_4_10



NLMM041_20230301_4_1



WLMM103_20230301_4_22



WLMM183_20230301_4_12



WLMM184_20230301_4_2



WLMM185_20230301_4_15



NLMM016_20230301_5_1



SLMM058_20230301_5_1



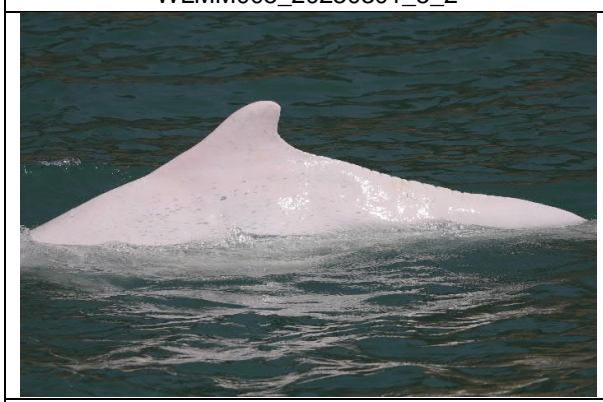
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WLMM005_20230301_5_2



WLMM028_20230301_5_1



WLMM043_20230301_5_4



WLMM186_20230301_5_1



SLMM002_20230301_6_5



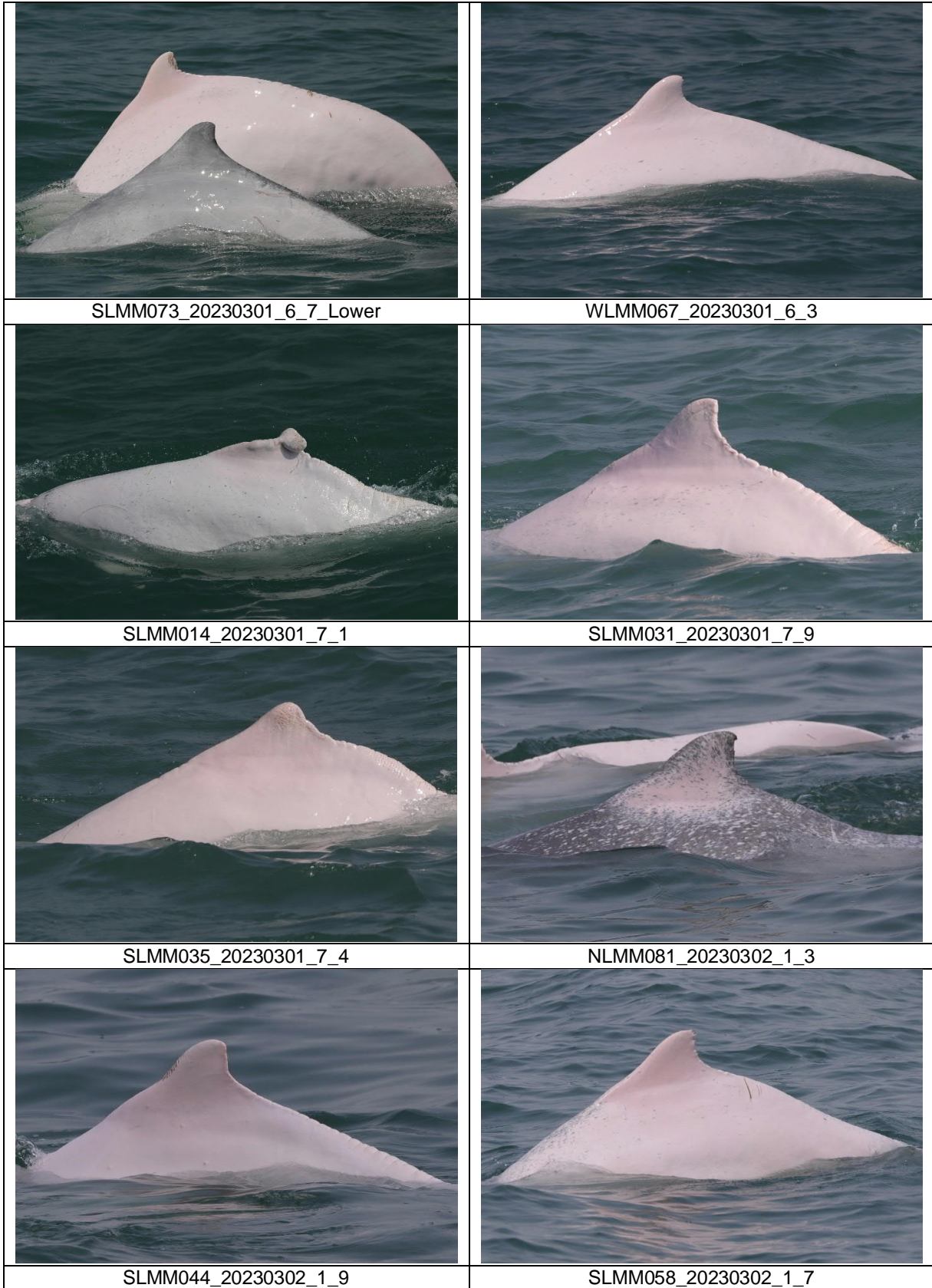
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SLMM010_20230301_6_1



SLMM049_20230301_6_1





WLMM109_20230302_1_11



WLMM150_20230302_1_6



WLMM174_20230302_1_12



SLMM010_20230302_2_3



SLMM023_20230302_2_1



SLMM025_20230302_2_24



SLMM027_20230302_2_4



SLMM037_20230302_2_1



SLMM044_20230302_2_2



SLMM049_20230302_2_1



SLMM058_20230302_2_2



WLMM003_20230302_2_5



WLMM007_20230302_2_5



WLMM080_20230302_2_1



WLMM114_20230302_2_1



WLMM118_20230302_2_8



SLMM003_20230302_3_3



SLMM014_20230302_3_3



SLMM023_20230302_3_12



SLMM035_20230302_3_1



SLMM049_20230302_3_1



WLMM007_20230302_3_1



WLMM056_20230302_3_3



NLMM027_20230303_1_5



NLMM040_20230303_1_5



NLMM041_20230303_1_4



WLMM029_20230303_1_1



NLMM089_20230307_1_21



NLMM016_20230307_2_2



SLMM060_20230309_1_4



SLMM014_20230309_9_1



SLMM031_20230309_9_1



SLMM035_20230309_9_8



SLMM037_20230309_9_1



WLMM056_20230309_9_3



WLMM056_20230310_2_1

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
3/Mar/23	Lung Kwu Chau	9:23	15:23	6:00	2-3	2	0	NA
24/Mar/23	Sha Chau	10:38	16:38	6:00	2	1	0	NA

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