

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

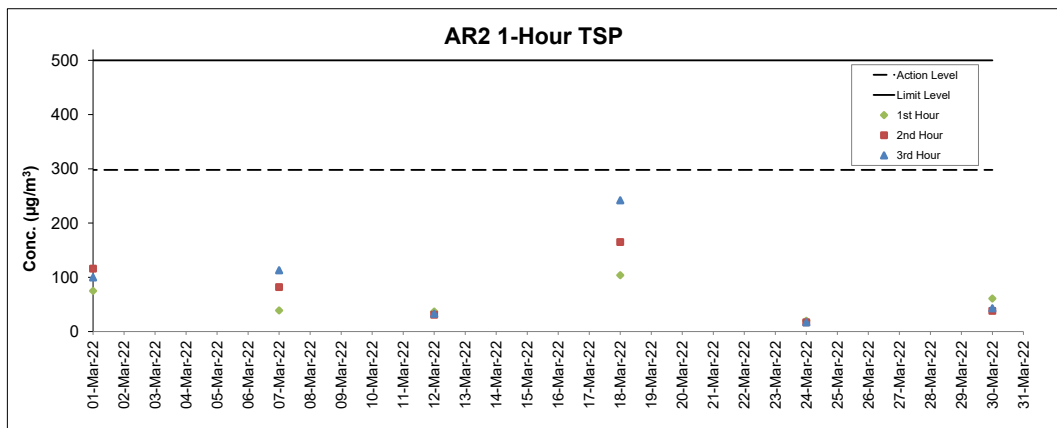
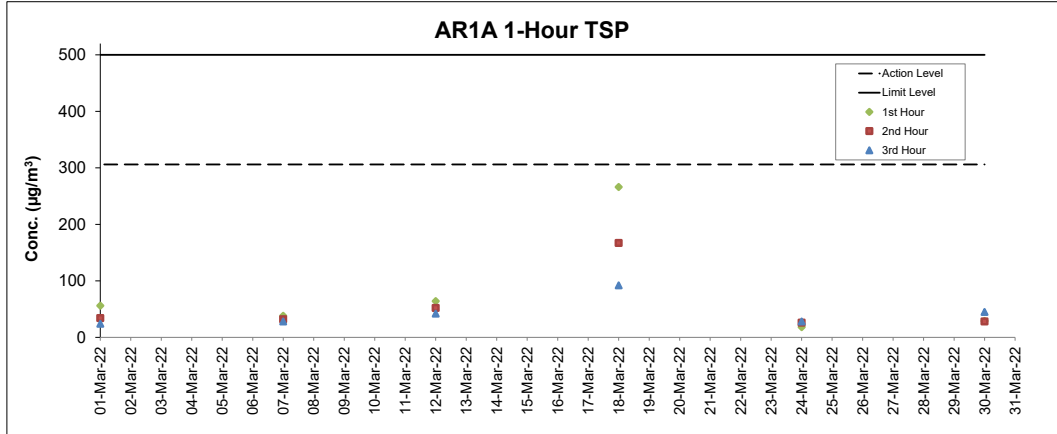
Station: AR1A- Man Tung Road Park

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 ($\mu\text{g}/\text{m}^3$)
01-Mar-22	13:11	Sunny	3.1	272	56	306	500
01-Mar-22	14:11	Sunny	3.3	256	34	306	500
01-Mar-22	15:11	Sunny	2.8	288	24	306	500
07-Mar-22	11:40	Sunny	5.6	326	38	306	500
07-Mar-22	12:40	Sunny	6.7	325	32	306	500
07-Mar-22	13:40	Sunny	7.2	323	28	306	500
12-Mar-22	9:10	Sunny	3.3	99	64	306	500
12-Mar-22	10:10	Sunny	2.5	91	52	306	500
12-Mar-22	11:10	Sunny	3.3	93	42	306	500
18-Mar-22	11:58	Hazy	2.2	280	266	306	500
18-Mar-22	12:58	Hazy	2.8	250	167	306	500
18-Mar-22	13:58	Hazy	4.2	250	92	306	500
24-Mar-22	11:43	Drizzle	7.8	82	18	306	500
24-Mar-22	12:43	Drizzle	8.1	85	26	306	500
24-Mar-22	13:43	Drizzle	8.1	82	28	306	500
30-Mar-22	13:13	Sunny	7.2	89	29	306	500
30-Mar-22	14:13	Sunny	8.1	98	28	306	500
30-Mar-22	15:13	Sunny	6.9	97	45	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sun

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 ($\mu\text{g}/\text{m}^3$)
01-Mar-22	8:33	Sunny	1.7	68	75	298	500
01-Mar-22	9:33	Sunny	2.5	29	116	298	500
01-Mar-22	10:33	Sunny	2.8	324	100	298	500
07-Mar-22	8:05	Overcast	1.7	340	39	298	500
07-Mar-22	9:05	Overcast	1.1	Variable	82	298	500
07-Mar-22	10:05	Overcast	3.3	315	113	298	500
12-Mar-22	13:24	Sunny	3.3	113	37	298	500
12-Mar-22	14:24	Sunny	4.2	102	31	298	500
12-Mar-22	15:24	Sunny	4.2	114	33	298	500
18-Mar-22	8:25	Hazy	1.4	Variable	104	298	500
18-Mar-22	9:25	Hazy	1.7	261	165	298	500
18-Mar-22	10:25	Hazy	2.2	260	242	298	500
24-Mar-22	8:11	Drizzle	4.2	56	20	298	500
24-Mar-22	9:11	Drizzle	9.7	89	17	298	500
24-Mar-22	10:11	Drizzle	6.1	87	17	298	500
30-Mar-22	8:40	Sunny	2.8	51	61	298	500
30-Mar-22	9:40	Sunny	3.9	49	38	298	500
30-Mar-22	10:40	Sunny	2.5	83	43	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 _{eq(30mins)} dB(A) ^
			L ₁₀ dB(A)	L ₉₀ dB(A)	
01-Mar-22	Sunny	13:18	56.0	48.6	56
01-Mar-22	Sunny	13:23	55.5	48.2	
01-Mar-22	Sunny	13:28	54.5	49.6	
01-Mar-22	Sunny	13:33	55.5	49.4	
01-Mar-22	Sunny	13:38	53.9	49.3	
01-Mar-22	Sunny	13:43	55.0	49.8	
07-Mar-22	Sunny	11:42	58.8	51.5	60
07-Mar-22	Sunny	11:47	63.0	52.3	
07-Mar-22	Sunny	11:52	58.8	51.9	
07-Mar-22	Sunny	11:57	57.7	51.2	
07-Mar-22	Sunny	12:02	56.8	50.8	
07-Mar-22	Sunny	12:07	59.3	52.0	
18-Mar-22	Hazy	12:05	71.7	48.7	72
18-Mar-22	Hazy	12:10	72.9	47.1	
18-Mar-22	Hazy	12:15	73.0	49.9	
18-Mar-22	Hazy	12:20	71.9	49.5	
18-Mar-22	Hazy	12:25	71.9	47.4	
18-Mar-22	Hazy	12:30	72.0	48.1	
24-Mar-22	Drizzle	11:46	59.1	53.9	60
24-Mar-22	Drizzle	11:51	59.2	53.3	
24-Mar-22	Drizzle	11:56	56.9	51.4	
24-Mar-22	Drizzle	12:01	62.2	54.2	
24-Mar-22	Drizzle	12:06	60.1	51.7	
24-Mar-22	Drizzle	12:11	60.2	53.2	
30-Mar-22	Sunny	13:19	60.1	53.5	60
30-Mar-22	Sunny	13:24	57.5	51.9	
30-Mar-22	Sunny	13:29	58.5	52.4	
30-Mar-22	Sunny	13:34	59.2	52.4	
30-Mar-22	Sunny	13:39	58.5	50.5	
30-Mar-22	Sunny	13:44	62.0	54.6	

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 _{eq(30mins)} dB(A) ^
			L ₁₀ dB(A)	L ₉₀ dB(A)	
02-Mar-22	Overcast	13:27	61.2	54.0	60
02-Mar-22	Overcast	13:32	58.1	53.2	
02-Mar-22	Overcast	13:37	59.9	54.4	
02-Mar-22	Overcast	13:42	59.0	53.0	
02-Mar-22	Overcast	13:47	58.3	52.8	
02-Mar-22	Overcast	13:52	58.4	53.8	
08-Mar-22	Sunny	14:15	60.1	56.8	63
08-Mar-22	Sunny	14:20	61.5	57.6	
08-Mar-22	Sunny	14:25	62.6	57.9	
08-Mar-22	Sunny	14:30	61.5	58.2	
08-Mar-22	Sunny	14:35	61.1	59.0	
08-Mar-22	Sunny	14:40	60.8	56.6	
17-Mar-22	Sunny	13:57	58.5	54.8	61
17-Mar-22	Sunny	14:02	64.6	55.0	
17-Mar-22	Sunny	14:07	58.2	54.6	
17-Mar-22	Sunny	14:12	58.3	54.7	
17-Mar-22	Sunny	14:17	57.7	55.0	
17-Mar-22	Sunny	14:22	59.4	55.3	
23-Mar-22	Drizzle	13:50	61.5	56.9	63
23-Mar-22	Drizzle	13:55	62.7	58.6	
23-Mar-22	Drizzle	14:00	61.8	59.3	
23-Mar-22	Drizzle	14:05	61.5	58.2	
23-Mar-22	Drizzle	14:10	62.2	58.4	
23-Mar-22	Drizzle	14:15	62.6	58.8	
29-Mar-22	Overcast	14:13	60.1	55.4	62
29-Mar-22	Overcast	14:18	59.8	55.3	
29-Mar-22	Overcast	14:23	60.4	56.5	
29-Mar-22	Overcast	14:28	60.6	56.2	
29-Mar-22	Overcast	14:33	62.1	56.2	
29-Mar-22	Overcast	14:38	60.8	56.1	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
01-Mar-22	Sunny	09:17	50.6	45.6	55
01-Mar-22	Sunny	09:22	56.8	48.4	
01-Mar-22	Sunny	09:27	49.5	45.4	
01-Mar-22	Sunny	09:32	50.7	47.1	
01-Mar-22	Sunny	09:37	51.4	46.3	
01-Mar-22	Sunny	09:42	50.0	46.1	59
07-Mar-22	Overcast	08:08	51.7	45.1	
07-Mar-22	Overcast	08:13	58.2	46.0	
07-Mar-22	Overcast	08:18	56.4	47.3	
07-Mar-22	Overcast	08:23	58.9	48.2	
07-Mar-22	Overcast	08:28	63.6	48.1	
07-Mar-22	Overcast	08:33	58.3	46.9	52
18-Mar-22	Hazy	08:40	52.4	46.1	
18-Mar-22	Hazy	08:45	51.4	46.3	
18-Mar-22	Hazy	08:50	51.5	45.9	
18-Mar-22	Hazy	08:55	51.7	47.4	
18-Mar-22	Hazy	09:00	52.2	46.5	
18-Mar-22	Hazy	09:05	48.4	45.6	58
24-Mar-22	Drizzle	08:17	54.0	49.3	
24-Mar-22	Drizzle	08:22	57.1	50.7	
24-Mar-22	Drizzle	08:27	57.2	49.0	
24-Mar-22	Drizzle	08:32	57.6	49.0	
24-Mar-22	Drizzle	08:37	55.0	49.9	
24-Mar-22	Drizzle	08:42	57.5	51.6	58
30-Mar-22	Sunny	09:30	55.4	50.1	
30-Mar-22	Sunny	09:35	53.5	49.0	
30-Mar-22	Sunny	09:40	63.9	50.2	
30-Mar-22	Sunny	09:45	58.4	49.6	
30-Mar-22	Sunny	09:50	53.8	49.0	
30-Mar-22	Sunny	09:55	53.2	48.6	

Remarks:

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

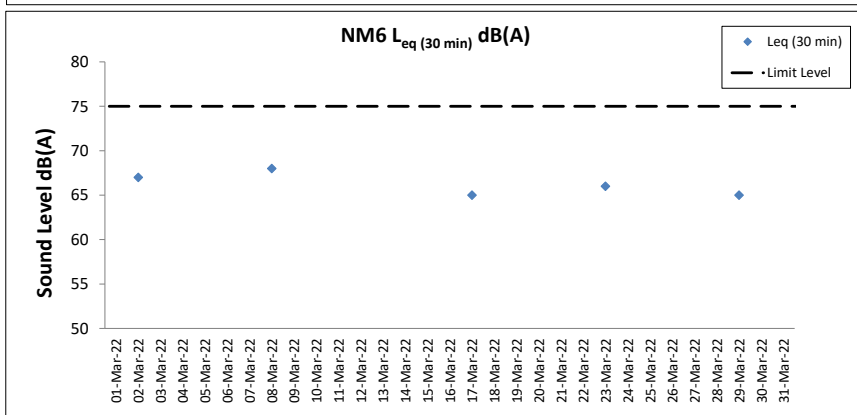
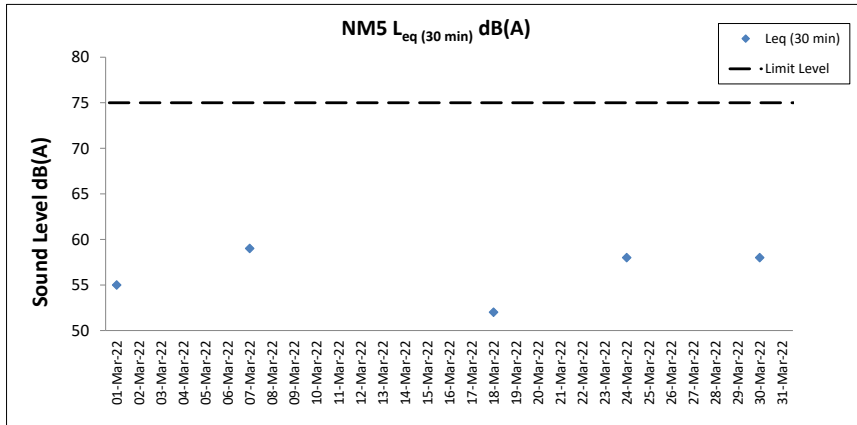
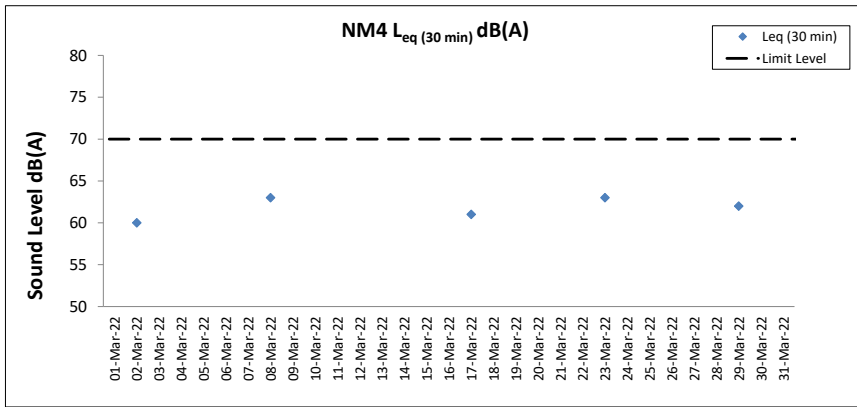
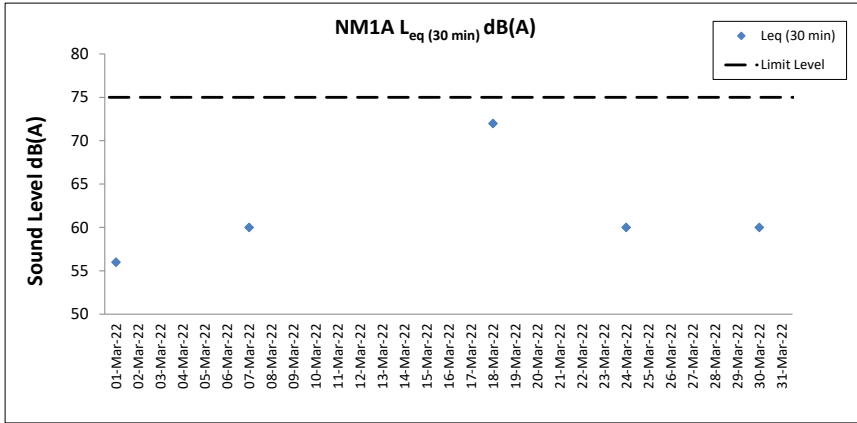
Noise Measurement Results

Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A) ^
02-Mar-22	Overcast	15:42	71.6	47.8	67
02-Mar-22	Overcast	15:47	64.5	46.9	
02-Mar-22	Overcast	15:52	70.2	46.7	
02-Mar-22	Overcast	15:57	51.5	45.5	
02-Mar-22	Overcast	16:02	49.9	45.5	
02-Mar-22	Overcast	16:07	57.8	50.3	68
08-Mar-22	Sunny	15:38	52.7	42.9	
08-Mar-22	Sunny	15:43	56.2	41.6	
08-Mar-22	Sunny	15:48	55.8	46.3	
08-Mar-22	Sunny	15:53	63.6	44.6	
08-Mar-22	Sunny	15:58	65.1	45.0	
08-Mar-22	Sunny	16:03	74.7	46.9	65
17-Mar-22	Sunny	15:38	57.6	45.8	
17-Mar-22	Sunny	15:43	56.0	46.3	
17-Mar-22	Sunny	15:48	57.2	48.8	
17-Mar-22	Sunny	15:53	62.5	50.4	
17-Mar-22	Sunny	15:58	64.1	48.2	
17-Mar-22	Sunny	16:03	69.5	46.7	66
23-Mar-22	Drizzle	15:40	70.2	54.5	
23-Mar-22	Drizzle	15:45	62.4	56.1	
23-Mar-22	Drizzle	15:50	61.1	50.9	
23-Mar-22	Drizzle	15:55	65.1	55.9	
23-Mar-22	Drizzle	16:00	59.1	48.6	
23-Mar-22	Drizzle	16:05	58.9	47.0	65
29-Mar-22	Overcast	15:38	72.3	53.8	
29-Mar-22	Overcast	15:43	62.1	44.7	
29-Mar-22	Overcast	15:48	57.4	49.7	
29-Mar-22	Overcast	15:53	63.2	50.6	
29-Mar-22	Overcast	15:58	65.9	41.9	
29-Mar-22	Overcast	16:03	51.1	42.9	

Remarks:

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



Notes

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

Water Quality Monitoring Results

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

Water Quality Monitoring Results on 01 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Cloudy	Rough	12:37	8.2	Surface	1.0	0.2	195	15.8	15.8	8.2	8.2	31.1	31.2	101.7	101.7	8.3	8.5	3.5	7.0	7	8	87	89	815639	804268	<0.2	<0.2	0.8	0.7					
						1.0	0.2	189	15.8	8.2	8.2	31.3	31.2	101.6	101.6	8.3	8.5	3.4	7.0	8	8	86	8	86	89	815639	804268	<0.2	<0.2	0.7	0.7				
						4.1	0.2	214	16.1	16.1	8.1	8.1	32.1	32.2	105.7	105.7	8.6	8.6	8.8	7.0	9	8	88	7	88	89	815639	804268	<0.2	<0.2	0.8	0.7			
						4.1	0.2	207	16.1	16.1	8.1	8.1	32.2	32.2	105.6	105.6	8.6	8.6	9.2	7.0	7	8	89	7	89	91	815639	804268	<0.2	<0.2	0.7	0.7			
					7.2	0.2	188	16.2	16.2	8.3	8.3	32.7	32.6	105.7	105.7	8.5	8.6	8.7	7.0	8	8	91	6	91	91	815639	804268	<0.2	<0.2	0.7	0.7				
					7.2	0.2	191	16.2	16.2	8.3	8.3	32.4	32.6	106.2	106.2	8.6	8.6	8.3	7.0	10	8	90	6	90	91	815639	804268	<0.2	<0.2	0.6	0.6				
					C2	Misty	Rough	11:08	10.2	Surface	1.0	0.0	181	16.0	16.0	8.1	8.1	31.0	31.1	101.4	101.4	8.3	8.2	3.9	3.4	7	7	87	90	825699	806933	<0.2	<0.2	0.8	0.8
											1.0	0.1	183	16.0	16.0	8.1	8.1	31.1	31.1	101.3	101.3	8.3	8.2	4.2	3.4	9	7	87	7	87	90	825699	806933	<0.2	<0.2
5.1	0.1	190	16.3	16.3							8.0	8.0	31.4	31.5	99.8	99.8	8.1	8.5	3.1	3.4	7	7	90	7	90	90	825699	806933	<0.2	<0.2	0.7	0.7			
5.1	0.0	182	16.3	16.3							8.0	8.0	31.6	31.5	99.8	99.8	8.1	8.5	3.5	3.4	7	7	90	7	90	92	825699	806933	<0.2	<0.2	0.7	0.7			
9.2	0.0	177	16.4	16.4						8.1	8.1	31.7	31.7	104.7	104.7	8.5	8.5	2.7	3.4	7	7	92	6	92	93	825699	806933	<0.2	<0.2	0.9	0.8				
9.2	0.0	173	16.4	16.4						8.1	8.1	31.7	31.7	104.6	104.6	8.4	8.5	2.8	3.4	6	7	93	6	93	93	825699	806933	<0.2	<0.2	0.8	0.8				
C3	Cloudy	Rough	12:34	11.6						Surface	1.0	0.2	91	16.2	16.2	8.3	8.3	31.5	31.5	92.6	92.2	7.5	7.5	1.2	1.7	8	8	86	89	822091	817781	<0.2	<0.2	0.8	0.8
											1.0	0.2	96	16.1	16.1	8.3	8.3	31.5	31.5	91.7	91.7	7.5	7.5	1.3	1.7	8	8	87	8	87	88	822091	817781	<0.2	<0.2
					5.8	0.3	98	16.1	16.2		8.3	8.2	31.8	31.7	91.8	92.3	7.5	7.5	2.0	1.7	8	8	87	6	87	88	822091	817781	<0.2	<0.2	0.8	0.7			
					5.8	0.3	102	16.2	16.2		8.1	8.3	31.6	31.7	92.8	92.3	7.5	7.5	1.9	1.7	6	8	88	10	88	92	822091	817781	<0.2	<0.2	0.7	0.8			
					10.6	0.2	89	16.2	16.2	8.1	8.3	31.7	31.7	92.3	92.9	7.5	7.6	2.0	1.7	10	8	92	6	92	92	822091	817781	<0.2	<0.2	0.8	0.8				
					10.6	0.2	83	16.1	16.2	8.4	8.4	31.6	31.6	93.5	93.5	7.6	7.6	1.8	1.7	9	8	92	6	92	92	822091	817781	<0.2	<0.2	0.8	0.8				
					IM1	Cloudy	Rough	12:23	6.1	Surface	1.0	0.2	171	15.7	15.7	8.4	8.4	31.3	31.5	101.3	101.5	8.3	8.3	3.5	4.8	10	10	87	88	818345	806459	<0.2	<0.2	0.7	0.7
											1.0	0.1	175	15.7	15.7	8.4	8.4	31.6	31.5	101.6	101.6	8.3	8.3	3.1	4.8	11	10	89	10	89	89	818345	806459	<0.2	<0.2
3.1	0.1	191	15.9	15.9							8.0	8.0	32.0	32.2	102.1	102.2	8.3	8.2	4.6	4.8	9	10	87	10	87	89	818345	806459	<0.2	<0.2	0.7	0.7			
3.1	0.1	183	15.9	15.9							8.0	8.0	32.4	32.2	102.3	102.2	8.3	8.2	4.8	4.8	10	10	87	10	87	89	818345	806459	<0.2	<0.2	0.7	0.7			
5.1	0.1	169	16.2	16.2						8.4	8.4	32.2	32.3	101.5	101.8	8.2	8.2	6.6	4.8	10	8	89	8	89	89	818345	806459	<0.2	<0.2	0.7	0.7				
5.1	0.1	167	16.2	16.2						8.4	8.4	32.3	32.3	102.0	102.0	8.2	8.2	6.1	4.8	8	8	89	8	89	89	818345	806459	<0.2	<0.2	0.7	0.7				
IM2	Misty	Rough	12:10	6.5						Surface	1.0	0.1	162	15.8	15.8	8.1	8.1	31.7	31.8	100.1	100.3	8.2	8.3	3.4	4.8	8	7	86	88	819174	806247	<0.2	<0.2	0.8	0.8
											1.0	0.1	166	15.8	15.8	8.1	8.1	31.8	31.8	100.4	100.4	8.2	8.3	3.8	4.8	8	7	85	7	85	87	819174	806247	<0.2	<0.2
					3.3	0.1	163	16.1	16.1		8.1	8.1	32.1	32.2	102.7	102.6	8.3	8.6	5.3	4.8	7	7	87	6	87	89	819174	806247	<0.2	<0.2	0.8	0.7			
					3.3	0.1	159	16.1	16.1		8.1	8.1	32.2	32.2	102.4	102.4	8.3	8.6	5.2	4.8	6	7	89	6	89	89	819174	806247	<0.2	<0.2	0.7	0.7			
					5.5	0.1	152	15.8	15.8	8.0	8.0	32.1	32.2	105.3	105.3	8.6	8.6	5.6	4.8	6	6	90	6	90	89	819174	806247	<0.2	<0.2	0.8	0.8				
					5.5	0.1	148	15.8	15.8	8.0	8.0	32.3	32.2	105.3	105.3	8.6	8.6	5.6	4.8	8	6	89	6	89	89	819174	806247	<0.2	<0.2	0.8	0.8				
					IM7	Misty	Rough	11:41	7.0	Surface	1.0	0.2	86	15.8	15.8	8.2	8.2	32.1	32.1	98.7	98.5	8.0	8.3	4.9	4.0	7	6	88	89	821326	806816	<0.2	<0.2	0.7	0.7
											1.0	0.3	83	15.8	15.8	8.2	8.2	32.1	32.1	98.3	98.3	8.0	8.3	5.1	4.0	7	6	87	6	87	89	821326	806816	<0.2	<0.2
3.5	0.2	101	15.9	15.9							8.4	8.4	31.8	32.0	105.4	105.4	8.6	8.4	3.6	4.0	6	6	89	6	89	91	821326	806816	<0.2	<0.2	0.6	0.6			
3.5	0.1	99	15.9	15.9							8.4	8.4	32.1	32.0	105.3	105.3	8.6	8.4	3.4	4.0	6	6	89	6	89	91	821326	806816	<0.2	<0.2	0.6	0.6			
6.0	0.2	68	16.0	16.0						8.2	8.2	31.9	32.0	103.7	103.7	8.4	8.4	3.8	4.0	6	6	91	6	91	91	821326	806816	<0.2	<0.2	0.7	0.7				
6.0	0.2	69	16.0	16.0						8.2	8.2	32.0	32.0	103.6	103.6	8.4	8.4	3.4	4.0	5	6	91	5	91	91	821326	806816	<0.2	<0.2	0.7	0.7				

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

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

Water Quality Monitoring Results on 01 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)													
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA												
IM10	Misty	Rough	11:15	7.6	Surface	1.0	0.1	67	16.0	16.1	8.3	8.2	31.2	31.3	92.1	92.7	7.5	7.6	2.2	2.2	10	8	85	89	822249	809819	<0.2	<0.2	0.7	0.7												
						1.0	0.1	70	16.1	8.1	8.3	31.4	31.4	93.2	94.2	7.6	7.8	2.2	2.5	9	8	86	90	<0.2			<0.2	0.7	0.7													
						3.8	0.2	72	16.1	8.1	8.3	31.4	31.4	92.9	94.2	7.6	7.8	2.6	2.5	7	8	90	91	<0.2			<0.2	0.7	0.6													
						3.8	0.1	68	16.0	8.4	8.4	31.3	31.3	95.4	95.0	7.8	7.8	4.3	4.3	8	6	90	91	<0.2			<0.2	0.6	0.8													
						6.6	0.2	74	16.0	8.4	8.4	31.3	31.3	95.0	91.2	7.8	7.7	4.3	4.3	6	8	91	91	<0.2			<0.2	0.8	0.7													
						6.6	0.2	79	16.0	8.4	8.4	31.3	31.3	91.2	91.2	7.7	7.7	4.3	4.3	8	8	91	91	<0.2			<0.2	0.7	0.7													
					IM11	Misty	Rough	11:22	7.8	Surface	1.0	0.1	71	16.1	16.2	8.3	8.4	31.3	31.3	94.0	94.9	7.7	7.8	1.8			2.0	6	7	86	89	821522	810549	<0.2	<0.2	0.8	0.8					
											1.0	0.1	78	16.2	8.4	8.3	31.3	31.4	95.7	95.2	7.8	7.7	2.0	2.5			7	8	87	89	<0.2			<0.2	0.8	0.7						
											3.9	0.2	75	16.2	8.4	8.3	31.4	31.4	95.5	94.9	7.8	7.7	2.7	2.5			7	8	89	91	<0.2			<0.2	0.7	0.7						
											3.9	0.1	68	16.0	8.2	8.3	31.3	31.5	94.9	94.7	7.7	7.7	2.5	2.6			8	6	91	92	<0.2			<0.2	0.7	0.7						
											6.8	0.1	94	16.0	8.2	8.3	31.5	31.5	94.7	93.7	7.7	7.5	4.0	4.2			6	8	92	91	<0.2			<0.2	0.7	0.7						
											6.8	0.2	92	16.0	8.3	8.3	31.5	31.5	92.6	92.6	7.5	7.6	4.2	4.2			8	8	91	91	<0.2			<0.2	0.7	0.7						
IM12	Misty	Rough	11:33	8.8						Surface	1.0	0.1	101	16.4	16.3	8.2	8.3	31.6	31.6	91.7	91.9	7.4	7.5	2.4	2.5	6	7	85	88	821181	811520			<0.2	<0.2	0.7	0.7					
											1.0	0.1	94	16.2	8.4	8.3	31.5	31.6	92.0	92.9	7.5	7.5	2.5	2.4	6	7	85	86	<0.2					<0.2	0.7	0.7						
											4.4	0.1	87	16.2	8.4	8.3	31.4	31.5	91.9	93.8	7.5	7.6	2.4	2.5	9	8	86	89	<0.2					<0.2	0.7	0.7						
											4.4	0.1	80	16.2	8.2	8.3	31.5	31.5	93.8	94.0	7.6	7.6	2.5	2.6	7	8	89	91	<0.2					<0.2	0.7	0.7						
											7.8	0.1	101	16.2	8.2	8.3	31.6	31.5	94.0	94.3	7.6	7.7	2.6	2.6	8	7	91	91	<0.2					<0.2	0.7	0.7						
											7.8	0.1	102	16.1	8.3	8.3	31.4	31.4	94.3	94.3	7.7	7.7	2.6	2.6	7	9	91	91	<0.2					<0.2	0.7	0.7						
					SR1A	Cloudy	Rough	12:02	5.4	Surface	1.0	0.0	104	15.7	15.7	8.3	8.3	30.6	30.6	92.2	91.7	7.6	7.5	4.0	3.8	9	8	-	-			819983	812654	-	-	-	-					
											1.0	0.0	97	15.6	8.2	8.3	30.5	30.6	91.1	91.7	7.5	7.6	3.8	3.5	8	7	-	-	-					-								
											2.7	0.0	106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-	
											2.7	0.1	105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-	-
											4.4	0.0	99	15.6	8.2	8.3	30.8	30.8	90.6	91.6	7.5	7.6	3.5	3.3	8	7	-	-	-					-	-	-	-	-	-	-	-	
											4.4	-	93	16.0	8.3	8.3	30.8	30.8	92.5	92.5	7.6	7.6	3.3	3.3	7	7	-	-	-					-	-	-	-	-	-	-	-	-
SR2	Cloudy	Rough	12:19	4.7						Surface	1.0	0.1	70	16.1	16.1	8.4	8.4	31.6	31.6	93.1	94.9	7.6	7.9	1.7	1.5	8	8	89	91	821443	814156			<0.2	<0.2	0.7	0.7					
											1.0	0.1	75	16.1	8.3	8.4	31.5	31.6	96.6	96.6	7.9	7.9	1.5	1.5	8	7	91	91	<0.2					<0.2	0.7	0.7						
											-	0.1	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-	-
											-	0.1	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-	-
											3.7	0.1	66	16.1	8.3	8.3	31.6	31.7	96.2	94.4	7.8	7.7	2.0	2.1	6	6	92	92	<0.2					<0.2	0.7	0.7						
											3.7	0.1	70	15.7	8.3	8.3	31.7	31.7	92.5	92.5	7.6	7.6	2.1	2.1	6	6	92	92	<0.2					<0.2	0.7	0.7						
					SR3	Misty	Rough	11:31	8.3	Surface	1.0	0.1	64	16.0	16.0	8.1	8.1	31.8	31.8	99.5	99.7	8.1	8.3	5.6	6.7	4	6	-	-			822153	807563	-	-	-	-					
											1.0	0.1	59	16.0	8.1	8.1	31.7	31.8	99.9	101.1	8.1	8.6	5.6	6.2	6	6	-	-	-					-								
											4.2	0.1	58	15.7	8.2	8.2	31.9	31.8	103.9	104.1	8.5	8.5	6.7	6.2	7	6	-	-	-					-								
											4.2	0.1	61	15.7	8.2	8.2	31.6	31.8	104.2	103.2	8.5	8.4	6.2	4.8	6	6	-	-	-					-								
											7.3	0.1	81	16.0	8.1	8.1	31.7	31.7	103.2	103.2	8.4	8.4	4.8	4.3	6	8	-	-	-					-								
											7.3	0.1	83	16.0	8.1	8.1	31.7	31.7	103.2	103.2	8.4	8.4	4.3	4.3	8	8	-	-	-					-								
SR4A	Cloudy	Rough	12:59	8.3						Surface	1.0	0.0	328	15.7	15.7	8.3	8.3	32.0	31.9	101.1	101.1	8.8	8.3	4.1	3.7	8	7	-	-	817198	807818			-	-	-	-					
											1.0	0.1	321	15.7	8.3	8.0	31.8	32.0	101.0	105.5	8.3	8.6	3.7	4.8	7	10	-	-	-					-								
											4.2	0.0	332	15.6	8.0	8.0	32.0	32.0	105.5	105.2	8.6	8.6	5.2	4.8	10	10	-	-	-					-								
											4.2	0.0	338	15.6	8.0	8.0	31.9	32.4	105.2	103.7	8.6	8.5	4.8	4.9	10	11	-	-	-					-								
											7.3	0.1	301	15.6	8.0	8.0	32.4	32.4	103.7	103.7	8.5	8.5	4.9	5.0	11	11	-	-	-					-								
											7.3	0.1	306	15.6	8.0	8.0	32.4	32.4	103.7	103.7	8.5	8.5	5.0	5.0	11	11	-	-	-					-								
					SR8	Misty	Rough	11:40	4.7	Surface	1.0	-	-	16.0	16.1	8.3	8.4	30.9	30.9	92.4	94.3	7.6	7.8	2.4	2.7	7	9	-	-			820408	811605	-	-	-	-					
											1.0	-	-	16.2	16.1	8.4	8.4	30.9	30.9	96.1	94.3	7.8	7.7	2.7	2.7	9	8	-	-													
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-	
											3.7	-	-	16.2	16.3	8.4	8.3	31.4	31.4	95.7	93.8	7.8	7.6	2.0	1.8	8	6	-	-					-	-							
											3.7	-	-	16.4	16.3	8.2	8.3	31.3	31.4	91.9	93.8	7.4	7.4	1.8	1.8	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 01 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA								
C1	Misty	Rough	06:05	8.5	Surface	1.0	0.2	29	15.8	15.8	8.2	8.2	31.3	31.4	106.7	106.5	8.7	8.6	5.3	8.3	6	8	86	89	815611	804251	<0.2	<0.2	0.8	0.7								
						1.0	0.2	28	15.8	8.2	8.2	31.4	31.4	106.3	106.3	8.7	8.6	5.1	8.3	8	8	87	8	87	8	88	89	<0.2	<0.2	0.6	0.7							
						4.3	0.2	27	15.8	8.3	8.3	32.0	32.0	104.3	104.2	8.5	8.5	9.4	8.3	7	8	88	8	88	8	89	89	<0.2	<0.2	0.7	0.7							
					Middle	4.3	0.2	33	15.8	8.3	8.2	32.0	32.4	104.1	104.6	8.5	8.5	9.1	8.5	8	8.5	8	8	8	8	89	90	815611	804251	<0.2	<0.2	0.7	0.8					
						7.5	0.2	30	15.8	8.2	8.2	32.5	32.4	104.6	104.5	8.5	8.5	10.2	8.5	8	8.5	8	8	8	8	89	91	815611	804251	<0.2	<0.2	0.8	0.7					
						7.5	0.2	25	15.8	8.2	8.2	32.2	32.4	104.3	104.3	8.5	8.5	10.6	8.5	8	8.5	8	8	8	8	89	91	815611	804251	<0.2	<0.2	0.7	0.7					
					C2	Misty	Rough	07:50	10.4	Surface	1.0	0.4	332	16.1	16.1	8.1	8.1	30.9	30.9	99.1	98.9	8.1	8.3	4.6	4.1	8	7	85	88	825688	806946	<0.2	<0.2	0.9	0.8			
											1.0	0.4	333	16.1	8.1	8.1	30.8	30.9	98.7	98.9	8.1	8.3	5.0	4.1	8	7	86	7	86	8	88	89	825688	806946	<0.2	<0.2	0.8	0.7
											5.2	0.3	327	16.3	8.1	8.1	31.7	31.7	105.0	105.0	8.5	8.5	4.6	4.1	6	6	88	6	88	6	89	91	825688	806946	<0.2	<0.2	0.7	0.7
Middle	5.2	0.3	319	16.3						8.1	8.1	31.7	31.7	105.0	105.0	8.5	8.5	4.1	4.1	8	8	89	8	89	8	91	91	825688	806946	<0.2	<0.2	0.7	0.9					
	9.4	0.4	9	16.7						8.1	8.1	31.8	31.7	104.9	104.9	8.4	8.4	3.3	3.3	6	6	91	6	91	6	91	91	825688	806946	<0.2	<0.2	0.9	0.8					
	9.4	0.4	13	16.7						8.1	8.1	31.6	31.7	104.8	104.8	8.4	8.4	3.2	3.2	6	6	91	6	91	6	91	91	825688	806946	<0.2	<0.2	0.8	0.8					
C3	Misty	Rough	05:33	11.1						Surface	1.0	0.4	278	16.1	16.1	8.1	8.1	31.6	31.6	93.8	93.6	7.6	7.6	1.6	5.6	6	5	85	87	822118	817814	<0.2	<0.2	0.8	0.8			
											1.0	0.4	284	16.1	8.1	8.1	31.6	31.6	93.3	93.6	7.6	7.6	1.5	5.6	7	5	84	5	84	5	87	87	822118	817814	<0.2	<0.2	0.7	0.8
											5.6	0.4	279	16.5	8.0	8.0	31.7	31.7	93.5	93.4	7.5	7.5	8.5	5.6	4	5	87	5	87	5	87	89	822118	817814	<0.2	<0.2	0.8	0.7
					Middle	5.6	0.4	281	16.5	8.0	8.0	31.6	31.6	93.2	93.2	7.5	7.5	8.1	5.6	5	5	87	5	87	5	89	89	822118	817814	<0.2	<0.2	0.7	0.8					
						10.1	0.3	276	16.3	8.2	8.2	31.7	31.8	93.6	93.8	7.6	7.6	6.6	5.6	5	5	89	5	89	5	89	89	822118	817814	<0.2	<0.2	0.8	0.8					
						10.1	0.3	279	16.3	8.2	8.2	31.8	31.8	94.0	93.8	7.6	7.6	7.1	5.6	5	5	89	5	89	5	89	89	822118	817814	<0.2	<0.2	0.9	0.9					
					IM1	Misty	Rough	06:19	6.6	Surface	1.0	0.1	12	16.0	16.0	8.1	8.1	32.1	32.1	105.5	105.5	8.6	8.7	6.5	8.1	8	7	86	88	818352	806468	<0.2	<0.2	0.8	0.8			
											1.0	0.2	11	16.0	8.1	8.1	32.1	32.1	105.4	105.5	8.6	8.7	6.6	8.1	7	7	88	7	88	7	88	88	818352	806468	<0.2	<0.2	0.8	0.8
											3.3	0.2	40	15.9	8.4	8.4	32.6	32.4	107.2	107.4	8.7	8.7	8.1	8.1	6	6	88	6	88	6	88	88	818352	806468	<0.2	<0.2	0.8	0.8
Middle	3.3	0.2	34	15.9						8.4	8.4	32.1	32.4	107.5	107.5	8.7	8.7	8.0	8.1	6	6	88	6	88	6	88	88	818352	806468	<0.2	<0.2	0.8	0.8					
	5.6	0.1	4	16.0						8.2	8.2	32.4	32.3	98.7	98.6	8.0	8.0	9.9	8.0	7	7	89	7	89	7	89	89	818352	806468	<0.2	<0.2	0.8	0.8					
	5.6	0.1	3	16.0						8.2	8.2	32.2	32.3	98.5	98.6	8.0	8.0	9.6	8.0	6	6	89	6	89	6	89	89	818352	806468	<0.2	<0.2	0.7	0.7					
IM2	Misty	Rough	06:48	7.2						Surface	1.0	0.2	16	15.6	15.6	8.4	8.4	31.5	31.6	100.8	100.9	8.3	8.6	4.2	5.5	11	10	87	86	819179	806258	<0.2	<0.2	0.7	0.7			
											1.0	0.2	12	15.6	8.4	8.4	31.7	31.9	100.9	107.8	8.3	8.6	4.6	5.5	10	10	86	10	86	10	88	88	819179	806258	<0.2	<0.2	0.8	0.7
											3.6	0.2	0	15.7	8.0	8.0	31.8	31.9	107.6	107.8	8.8	8.8	5.4	5.5	8	8	88	8	88	8	88	88	819179	806258	<0.2	<0.2	0.8	0.7
					Middle	3.6	0.2	353	15.7	8.0	8.0	31.9	31.9	107.9	107.9	8.8	8.8	5.6	5.5	10	10	88	10	88	10	88	88	819179	806258	<0.2	<0.2	0.7	0.7					
						6.2	0.2	29	15.6	8.4	8.4	32.0	32.2	102.4	102.2	8.4	8.4	6.5	5.5	9	9	90	9	90	9	90	90	819179	806258	<0.2	<0.2	0.7	0.7					
						6.2	0.2	28	15.6	8.4	8.4	32.4	32.2	101.9	102.2	8.3	8.4	6.9	5.5	9	9	91	9	91	9	91	91	819179	806258	<0.2	<0.2	0.8	0.8					
					IM7	Misty	Rough	07:00	7.7	Surface	1.0	0.1	351	16.5	16.5	7.9	7.9	31.5	31.6	100.6	100.8	8.1	8.3	3.2	3.5	9	8	86	87	821370	806856	<0.2	<0.2	0.8	0.7			
											1.0	0.1	346	16.5	7.9	7.9	31.7	31.6	100.9	100.8	8.1	8.3	3.2	3.5	9	8	85	9	85	9	88	88	821370	806856	<0.2	<0.2	0.6	0.8
											3.9	0.2	328	16.0	8.4	8.4	31.8	31.9	103.9	103.9	8.5	8.5	3.5	3.5	7	7	87	7	87	7	88	88	821370	806856	<0.2	<0.2	0.8	0.7
Middle	3.9	0.2	329	16.0						8.4	8.4	31.9	31.9	103.9	103.9	8.4	8.4	3.8	3.5	9	9	88	9	88	9	88	88	821370	806856	<0.2	<0.2	0.7	0.7					
	6.7	0.2	10	16.4						8.4	8.4	31.8	31.9	101.5	101.7	8.2	8.2	3.7	3.5	7	7	89	7	89	7	89	89	821370	806856	<0.2	<0.2	0.7	0.7					
	6.7	0.2	17	16.4						8.4	8.4	31.9	31.9	101.9	101.7	8.2	8.2	3.4	3.5	6	6	89	6	89	6	89	89	821370	806856	<0.2	<0.2	0.7	0.7					

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

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

Water Quality Monitoring Results on 01 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA							
IM10	Misty	Rough	06:40	8.4	Surface	1.0	0.3	283	15.8	15.8	8.2	8.2	31.3	31.2	91.4	91.5	7.7	7.7	3.4	3.4	8	8	85	89	89	822238	809819	<0.2	0.7	0.7	0.7						
						1.0	0.3	281	15.8	8.2	8.2	31.1	31.2	91.5	91.5	7.5	7.7	3.5	7	7	86	86	7	7	86	89	89		<0.2	0.8	0.8	0.7					
						4.2	0.3	289	16.0	8.2	8.2	31.2	31.3	94.5	94.8	7.7	7.7	4.2	8	8	89	89	8	8	89	89	89		<0.2	0.7	0.7	0.7					
					Middle	4.2	0.3	289	16.0	8.2	8.2	31.3	31.3	94.8	94.8	7.7	7.7	3.9	8	8	89	89	8	8	89	89	89		<0.2	0.7	0.7	0.7	0.7				
						7.4	0.4	288	15.8	8.2	8.2	31.2	31.2	95.2	95.2	7.8	7.8	5.2	12	10	91	91	10	10	92	92	92		<0.2	0.6	0.6	0.6	0.6				
						7.4	0.4	288	15.8	8.2	8.2	31.2	31.2	95.2	95.2	7.8	7.8	5.1	10	10	92	92	10	10	92	92	92		<0.2	0.7	0.7	0.7	0.7				
					IM11	Misty	Rough	06:09	8.8	Surface	1.0	0.4	271	16.1	16.1	8.4	8.4	31.2	31.3	91.8	92.1	7.5	7.5	5.5	5.5	6	6	85	87	87	821504	810554	<0.2	0.7	0.7	0.7	
											1.0	0.4	267	16.1	8.4	8.4	31.4	31.3	92.3	92.1	7.5	7.5	5.6	6	6	86	86	6	6	87	87	87		<0.2	0.8	0.8	0.7
											4.4	0.3	284	15.9	8.1	8.1	31.1	31.2	91.6	91.7	7.5	7.5	7.8	8	8	87	87	8	8	87	87	87		<0.2	0.6	0.6	0.6
Middle	4.4	0.3	285	15.9						8.1	8.1	31.2	31.2	91.8	91.7	7.5	7.5	7.9	6	6	87	87	6	6	88	88	88		<0.2	0.7	0.7	0.7	0.7				
	7.8	0.4	294	16.0						8.2	8.2	31.3	31.2	92.8	92.8	7.6	7.6	11.4	8	8	88	88	8	8	90	90	90		<0.2	0.7	0.7	0.7	0.7				
	7.8	0.4	300	16.0						8.2	8.2	31.2	31.3	92.9	92.9	7.6	7.6	11.2	8	8	87	87	8	8	87	87	87		<0.2	0.6	0.6	0.6	0.6				
IM12	Misty	Rough	06:52	9.6						Surface	1.0	0.5	295	16.0	16.0	8.4	8.4	31.4	31.4	94.5	94.7	7.7	7.7	2.0	2.0	8	8	86	86	86	821178	811500	<0.2	0.8	0.8	0.7	
											1.0	0.4	296	16.0	8.4	8.4	31.3	31.4	94.9	94.7	7.7	7.7	2.2	10	10	86	86	10	10	86	86	86		<0.2	0.6	0.6	0.6
											4.8	0.5	282	16.0	8.3	8.3	31.5	31.4	93.8	93.8	7.6	7.6	3.6	10	10	86	86	10	10	86	86	86		<0.2	0.8	0.8	0.7
					Middle	4.8	0.5	275	16.0	8.3	8.3	31.3	31.2	93.7	93.7	7.6	7.6	3.4	8	8	88	88	8	8	88	88	88		<0.2	0.7	0.7	0.7	0.7				
						8.6	0.5	301	16.0	8.1	8.1	31.2	31.2	96.0	96.2	7.8	7.8	4.8	10	10	90	90	10	10	90	90	90		<0.2	0.6	0.6	0.6	0.6				
						8.6	0.5	304	16.0	8.1	8.1	31.2	31.2	96.4	96.4	7.9	7.9	4.7	9	9	90	90	9	9	90	90	90		<0.2	0.8	0.8	0.7	0.7				
					SR1A	Misty	Rough	06:13	4.8	Surface	1.0	0.0	206	15.7	15.7	8.2	8.2	30.7	30.7	92.7	92.8	7.6	7.6	3.5	3.5	5	5	-	-	-	819982	812654	-	-	-	-	
											1.0	-	212	15.7	8.2	8.2	30.7	30.7	92.9	92.8	7.7	7.7	3.7	7	7	-	-	7	7	-	-	-		-	-	-	-
											2.4	0.0	184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
Middle	2.4	0.1	184	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-			
	3.8	0.0	173	15.8						8.4	8.4	30.6	30.7	94.7	94.9	7.8	7.8	1.4	6	6	-	-	6	6	-	-	-		-	-	-	-	-				
	3.8	0.0	168	15.8						8.4	8.4	30.8	30.7	95.0	94.9	7.8	7.8	1.3	8	8	-	-	8	8	-	-	-		-	-	-	-	-				
SR2	Misty	Rough	05:58	5.2						Surface	1.0	0.1	239	16.2	16.2	8.2	8.2	31.5	31.6	96.6	96.7	7.8	7.8	1.2	1.2	5	5	86	87	87	821459	814174	<0.2	0.8	0.7	0.7	
											1.0	0.1	234	16.2	8.2	8.2	31.6	31.6	96.8	96.8	7.9	7.9	1.1	6	6	-	-	6	6	-	-	-		<0.2	0.7	0.7	0.7
											-	0.1	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
					Middle	-	0.1	254	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-			
						4.2	0.1	257	16.0	8.2	8.2	31.6	31.5	94.6	94.4	7.7	7.7	1.7	4	4	-	-	4	4	-	-	-		<0.2	0.7	0.7	0.7	0.7				
						4.2	0.1	263	16.0	8.2	8.2	31.4	31.5	94.2	94.2	7.7	7.7	1.8	3	3	-	-	3	3	-	-	-		<0.2	0.7	0.7	0.7	0.7				
					SR3	Misty	Rough	07:15	8.8	Surface	1.0	0.3	349	16.2	16.2	8.2	8.2	31.6	31.7	100.2	100.4	8.1	8.1	4.8	4.8	6	6	-	-	-	822130	807590	-	-	-	-	
											1.0	0.3	355	16.2	8.2	8.2	31.7	31.7	100.5	100.5	8.1	8.1	4.4	8	8	-	-	8	8	-	-	-		-	-	-	-
											4.4	0.2	350	16.2	8.4	8.4	31.6	31.6	105.5	105.4	8.6	8.6	2.1	6	6	-	-	6	6	-	-	-		-	-	-	-
Middle	4.4	0.2	349	16.2						8.4	8.4	31.6	31.6	105.3	105.4	8.5	8.5	2.0	6	6	-	-	6	6	-	-	-		-	-	-	-	-				
	7.8	0.2	354	16.3						8.2	8.2	31.7	31.8	102.3	102.2	8.3	8.3	1.5	7	7	-	-	7	7	-	-	-		-	-	-	-	-				
	7.8	0.3	351	16.3						8.2	8.2	31.9	31.8	102.0	102.0	8.2	8.2	1.6	7	7	-	-	7	7	-	-	-		-	-	-	-	-				
SR4A	Misty	Rough	05:43	8.7						Surface	1.0	0.0	189	16.2	16.2	8.1	8.1	30.9	30.8	101.0	100.8	8.2	8.2	4.3	4.3	16	16	-	-	-	817185	807808	-	-	-	-	
											1.0	0.0	194	16.2	8.1	8.1	30.7	30.8	100.6	100.7	8.2	8.2	4.4	14	14	-	-	14	14	-	-	-		-	-	-	-
											4.4	0.0	196	15.6	8.1	8.1	31.1	31.1	100.9	100.7	8.3	8.3	4.1	12	12	-	-	12	12	-	-	-		-	-	-	-
					Middle	4.4	0.0	201	15.6	8.1	8.1	31.1	31.1	100.5	100.5	8.3	8.3	4.1	13	13	-	-	13	13	-	-	-		-	-	-	-	-				
						7.7	0.0	189	16.0	8.1	8.1	32.2	32.2	103.7	103.6	8.4	8.4	5.2	11	11	-	-	11	11	-	-	-		-	-	-	-	-				
						7.7	0.0	195	16.0	8.1	8.1	32.2	32.2	103.5	103.5	8.4	8.4	5.4	12	12	-	-	12	12	-	-	-		-	-	-	-	-				
					SR8	Misty	Rough	06:40	5.7	Surface	1.0	-	-	15.7	15.7	8.3	8.3	31.1	31.1	92.7	92.6	7.6	7.6	2.3	2.3	4	4	-	-	-	820394	811637	-	-	-	-	
											1.0	-	-	15.7	8.3	8.3	31.1	31.1	92.5	92.5	7.6	7.6	2.4	6	6	-	-	6	6	-	-	-		-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-				
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-				
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-				
Bottom	4.7	-	-	15.9						15.9	8.3	8.3	31.4	31.3	96.9	97.0	7.9	7.9	2.3	6	6	-															

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

Water Quality Monitoring Results on 03 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Cloudy	Rough	13:57	8.2	Surface	1.0	0.3	219	16.6	16.6	8.3	8.3	31.2	31.3	101.3	101.2	8.2	8.3	5.3	7.9	3	4	89	92	815644	804264	<0.2	<0.2	0.9	0.9					
						1.0	0.4	220	16.6	8.3	8.3	31.3	31.3	101.1	101.2	8.2	8.3	5.0	8.0	4	4	89	92	815644	804264	<0.2	<0.2	0.9	0.9						
						4.1	0.3	206	17.0	8.2	8.2	32.2	32.2	105.2	105.4	8.4	8.4	9.5	8.0	4	4	93	90	815644	804264	<0.2	<0.2	1.0	1.0						
					Middle	4.1	0.4	199	17.0	8.2	8.2	32.2	32.2	105.5	105.4	8.4	8.4	9.9	8.0	4	4	93	90	815644	804264	<0.2	<0.2	1.0	1.0						
						7.2	0.3	193	16.9	8.5	8.5	32.5	32.5	102.2	102.2	8.1	8.1	8.8	8.4	4	4	94	91	815644	804264	<0.2	<0.2	0.9	0.9						
						7.2	0.3	191	16.9	8.5	8.5	32.5	32.5	102.1	102.2	8.1	8.1	8.6	8.4	4	4	94	91	815644	804264	<0.2	<0.2	0.9	0.9						
					C2	Cloudy	Rough	12:18	10.2	Surface	1.0	0.1	161	16.8	16.8	8.2	8.2	30.9	31.0	98.5	98.5	7.9	8.0	4.5	3.5	4	5	87	89	825691	806931	<0.2	<0.2	0.9	0.9
											1.0	0.1	164	16.8	8.2	8.2	31.1	31.0	98.5	98.5	7.9	8.0	4.6	3.1	5	5	88	90	825691	806931	<0.2	<0.2	1.0	1.0	
											5.1	0.1	170	16.8	8.1	8.1	31.5	31.6	99.9	100.0	8.0	8.0	3.2	3.2	4	5	89	90	825691	806931	<0.2	<0.2	0.9	0.8	
Middle	5.1	0.1	165	16.8						8.1	8.1	31.6	31.6	100.0	100.0	8.0	8.0	3.2	3.2	5	5	90	90	825691	806931	<0.2	<0.2	0.8	0.8						
	9.2	0.0	152	17.0						8.2	8.2	31.6	31.6	105.1	105.0	8.4	8.4	3.0	3.0	6	6	90	91	825691	806931	<0.2	<0.2	0.8	0.8						
	9.2	0.0	148	17.0						8.2	8.2	31.5	31.6	104.8	105.0	8.4	8.4	2.7	2.7	6	6	91	91	825691	806931	<0.2	<0.2	0.9	0.9						
C3	Cloudy	Rough	13:42	11.6						Surface	1.0	0.4	75	16.6	16.8	8.3	8.3	31.4	31.6	96.4	96.2	7.5	7.6	1.2	1.7	7	5	87	90	822088	817785	<0.2	<0.2	1.0	0.9
											1.0	0.4	82	16.9	8.3	8.3	31.7	31.7	96.0	96.0	7.7	7.6	1.3	1.9	6	5	87	91	822088	817785	<0.2	<0.2	0.9	0.9	
											5.8	0.3	73	16.9	8.4	8.4	31.7	31.7	93.3	93.3	7.5	7.5	2.0	2.0	5	5	90	91	822088	817785	<0.2	<0.2	0.9	0.9	
					Middle	5.8	0.3	72	16.6	8.4	8.4	31.7	31.7	93.3	93.3	7.5	7.5	1.9	1.9	4	4	91	91	822088	817785	<0.2	<0.2	0.9	0.9						
						10.6	0.3	55	16.6	8.3	8.3	31.9	31.9	92.5	92.7	7.4	7.4	2.0	2.0	5	5	91	91	822088	817785	<0.2	<0.2	0.9	0.9						
						10.6	0.3	61	17.0	8.3	8.3	31.8	31.8	92.8	92.8	7.4	7.4	1.8	1.8	4	4	92	92	822088	817785	<0.2	<0.2	0.9	0.9						
					IM1	Cloudy	Rough	13:41	6.1	Surface	1.0	0.2	183	16.2	16.2	8.4	8.4	31.2	31.5	101.0	101.2	8.2	8.3	2.7	4.2	4	4	87	89	818339	806451	<0.2	<0.2	1.0	1.0
											1.0	0.2	180	16.2	8.4	8.4	31.8	31.5	101.3	101.2	8.2	8.3	2.6	4.4	4	4	88	89	818339	806451	<0.2	<0.2	1.0	1.0	
											3.1	0.2	169	16.4	8.2	8.2	31.9	32.2	103.2	103.0	8.3	8.3	4.4	4.5	5	4	87	87	818339	806451	<0.2	<0.2	1.0	1.0	
Middle	3.1	0.2	164	16.4						8.2	8.2	32.4	32.2	102.8	103.0	8.3	8.3	4.5	4.5	4	4	87	87	818339	806451	<0.2	<0.2	1.0	1.0						
	5.1	0.2	212	16.7						8.3	8.3	32.3	32.3	100.8	100.8	8.1	8.1	5.3	5.3	4	4	91	91	818339	806451	<0.2	<0.2	1.0	1.0						
	5.1	0.2	205	16.7						8.3	8.3	32.3	32.3	100.7	100.7	8.1	8.1	5.8	5.8	4	4	91	91	818339	806451	<0.2	<0.2	1.1	1.1						
IM2	Cloudy	Rough	13:23	6.5						Surface	1.0	0.1	179	16.5	16.5	8.1	8.1	31.9	31.9	100.0	100.1	8.0	8.2	4.5	5.2	4	4	87	88	819171	806244	<0.2	<0.2	0.9	1.0
											1.0	0.1	175	16.5	8.1	8.1	31.8	31.9	100.2	100.1	8.1	8.2	4.7	4.8	4	4	87	89	819171	806244	<0.2	<0.2	1.0	1.0	
											3.3	0.2	157	16.4	8.1	8.1	32.1	32.2	103.3	103.5	8.3	8.3	5.2	5.2	3	4	89	89	819171	806244	<0.2	<0.2	1.0	0.9	
					Middle	3.3	0.1	154	16.4	8.1	8.1	32.3	32.2	103.6	103.5	8.3	8.3	4.8	4.8	4	4	89	89	819171	806244	<0.2	<0.2	0.9	0.9						
						5.5	0.1	188	16.5	8.1	8.1	32.1	32.2	105.4	105.3	8.5	8.5	5.8	5.8	5	5	89	89	819171	806244	<0.2	<0.2	1.0	1.0						
						5.5	0.1	191	16.5	8.1	8.1	32.3	32.2	105.2	105.3	8.4	8.4	6.1	6.1	4	4	89	89	819171	806244	<0.2	<0.2	0.9	0.9						
					IM7	Cloudy	Rough	12:59	7.0	Surface	1.0	0.2	86	16.4	16.4	8.2	8.2	32.0	32.1	98.7	98.5	8.0	8.2	5.3	4.7	4	4	87	90	821329	806817	<0.2	<0.2	0.9	1.0
											1.0	0.2	93	16.4	8.2	8.2	32.1	32.1	98.3	98.5	7.9	8.2	5.1	4.4	4	4	88	90	821329	806817	<0.2	<0.2	1.0	1.0	
											3.5	0.2	73	16.6	8.3	8.3	31.8	32.0	104.5	104.3	8.4	8.4	4.1	4.1	4	4	91	91	821329	806817	<0.2	<0.2	1.0	1.0	
Middle	3.5	0.1	65	16.6						8.3	8.3	32.1	32.0	104.1	104.3	8.4	8.4	4.1	4.1	4	4	91	91	821329	806817	<0.2	<0.2	1.0	1.0						
	6.0	0.2	80	16.7						8.1	8.1	32.0	32.1	106.3	106.1	8.5	8.5	4.8	4.8	5	5	92	92	821329	806817	<0.2	<0.2	0.9	0.9						
	6.0	0.3	79	16.7						8.1	8.1	32.2	32.1	105.9	106.1	8.5	8.5	4.4	4.4	3	3	92	92	821329	806817	<0.2	<0.2	1.0	1.0						

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

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

Water Quality Monitoring Results on 03 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
IM10	Cloudy	Rough	12:19	7.6	Surface	1.0	0.2	78	16.3	16.5	8.1	8.1	31.4	31.4	95.0	95.1	7.7	7.7	2.2	2.2	4	4	86	88	88	822241	809814	<0.2	<0.2	0.9	1.0					
						1.0	0.2	83	16.7	8.1	8.1	31.3	31.4	95.2	95.0	7.7	7.7	2.3	2.5	4	5	86	88	<0.2				<0.2	1.1	0.9						
					Middle	3.8	0.2	85	16.7	16.6	8.1	8.1	31.3	31.4	95.1	95.0	7.7	7.7	2.4	2.5	5	5	88	90				<0.2	<0.2	0.9	1.0					
						3.8	0.2	79	16.5	8.1	8.1	31.4	31.4	94.8	94.8	7.7	7.7	2.5	5.1	5	5	89	90	<0.2				<0.2	0.9	1.0						
					Bottom	6.6	0.2	60	16.5	16.6	8.3	8.3	31.4	31.4	94.8	93.0	7.7	7.7	4.7	4.7	5	4	90	90				<0.2	<0.2	0.9	1.0					
						6.6	0.1	58	16.7	8.3	8.3	31.4	31.4	91.2	91.2	7.7	7.7	4.7	4.7	6	4	90	90	<0.2				<0.2	0.9	1.0						
IM11	Cloudy	Rough	12:26	7.8	Surface	1.0	0.2	78	16.7	16.8	8.2	8.2	31.4	31.4	91.1	91.3	7.3	7.3	1.8	1.8	6	6	83	83	89	821518	810538	<0.2	<0.2	0.9	1.0					
						1.0	0.2	81	16.9	8.2	8.2	31.3	31.4	91.5	91.3	7.3	7.3	2.0	2.0	6	6	83	83	<0.2				<0.2	1.0	1.0						
					Middle	3.9	0.2	94	16.9	16.8	8.3	8.3	31.4	31.4	95.4	95.4	7.6	7.6	2.7	2.7	5	5	90	90				<0.2	<0.2	1.0	1.0					
						3.9	0.2	93	16.6	8.3	8.3	31.4	31.4	95.4	95.4	7.7	7.7	2.5	4	4	4	90	92	<0.2				<0.2	1.0	0.9						
					Bottom	6.8	0.2	73	16.6	16.5	8.1	8.1	31.5	31.5	94.3	94.2	7.6	7.6	4.0	4.0	5	5	92	93				<0.2	<0.2	0.9	1.0					
						6.8	0.2	68	16.3	8.1	8.1	31.4	31.4	94.0	94.0	7.6	7.6	4.2	4.2	6	6	93	93	<0.2				<0.2	0.9	1.0						
IM12	Cloudy	Rough	12:40	8.8	Surface	1.0	0.3	110	16.8	16.8	8.4	8.4	31.4	31.5	94.5	94.3	7.6	7.5	2.4	2.5	4	5	84	85	88	821187	811535	<0.2	<0.2	0.9	0.9					
						1.0	0.2	111	16.8	8.4	8.4	31.5	31.5	94.1	94.3	7.5	7.5	2.5	1.7	4	4	85	86	<0.2				<0.2	1.0	1.0						
					Middle	4.4	0.3	108	16.8	16.8	8.3	8.3	31.6	31.5	91.8	92.0	7.4	7.4	1.7	1.5	4	4	86	89				<0.2	<0.2	1.0	0.9					
						4.4	0.3	114	16.8	8.3	8.4	31.4	31.5	92.2	96.0	7.4	7.7	1.5	2.6	4	4	89	92	<0.2				<0.2	1.0	0.9						
					Bottom	7.8	0.3	97	16.8	16.8	8.4	8.4	31.4	31.5	96.1	96.0	7.7	7.7	2.6	2.6	4	5	92	93				<0.2	<0.2	1.0	0.9					
						7.8	0.3	92	16.7	8.4	8.4	31.5	31.5	95.8	95.8	7.7	7.7	2.6	5	5	5	93	93	<0.2				<0.2	0.9	0.9						
SR1A	Cloudy	Rough	13:22	5.4	Surface	1.0	0.0	35	16.3	16.2	8.3	8.3	30.5	30.6	93.0	93.2	7.6	7.6	4.0	4.0	5	5	-	-	-	819989	812649	-	-	-	-					
						1.0	0.1	34	16.0	8.3	8.3	30.7	30.8	93.4	93.2	7.6	7.6	3.8	3.8	6	6	-	-	-				-								
					Middle	2.7	0.0	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	
						2.7	0.1	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	
					Bottom	4.4	0.0	38	16.0	16.3	8.2	8.2	30.8	30.8	94.7	94.8	7.7	7.7	3.5	3.5	6	6	-	-				-	-	-	-	-	-	-	-	
						4.4	0.1	41	16.5	8.2	8.2	30.8	30.8	94.8	94.8	7.7	7.7	3.3	3.3	4	4	-	-	-				-	-	-	-	-	-	-	-	
SR2	Cloudy	Rough	13:28	4.7	Surface	1.0	0.3	69	17.0	17.0	8.4	8.4	31.5	31.5	92.4	92.2	7.4	7.4	1.7	1.5	4	6	85	85	87	821447	814152	<0.2	<0.2	1.0	1.0					
						1.0	0.3	65	16.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	
					Middle	-	0.3	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						-	0.2	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					Bottom	3.7	0.3	39	16.9	16.6	8.1	8.1	31.7	31.7	97.5	97.4	7.8	7.8	2.0	2.0	5	5	89	89				<0.2	<0.2	1.0	1.0					
						3.7	0.3	40	16.3	8.1	8.1	31.6	31.6	97.2	97.4	7.9	7.9	2.1	2.1	5	5	89	89	<0.2				<0.2	0.9	0.9						
SR3	Cloudy	Rough	12:42	8.3	Surface	1.0	0.1	104	16.7	16.7	8.2	8.2	31.7	31.7	101.9	102.0	8.2	8.2	4.6	4.6	7	9	-	-	-	822148	807569	-	-	-	-					
						1.0	0.1	100	16.7	8.2	8.2	31.7	31.7	102.0	102.0	8.2	8.2	4.7	4.7	9	9	-	-	-				-								
					Middle	4.2	0.1	106	16.2	16.2	8.2	8.2	31.8	31.8	106.3	106.3	8.6	8.6	6.0	6.0	5	5	-	-				-	-	-	-	-	-	-		
						4.2	0.1	109	16.2	8.2	8.2	31.8	31.8	106.3	106.3	8.6	8.6	6.3	6.3	6	6	-	-	-				-	-	-	-	-	-			
					Bottom	7.3	0.1	108	16.5	16.5	8.1	8.1	31.9	31.9	99.8	100.1	8.0	8.1	5.7	5.7	4	4	-	-				-	-	-	-	-	-	-		
						7.3	0.1	111	16.5	8.1	8.1	31.8	31.8	100.3	100.3	8.1	8.1	6.1	6.1	5	5	-	-	-				-	-	-	-	-	-			
SR4A	Cloudy	Rough	14:22	8.3	Surface	1.0	0.0	347	16.3	16.3	8.1	8.1	31.8	31.7	105.2	105.4	8.8	8.8	4.0	4.0	4	4	-	-	-	817186	807811	-	-	-	-					
						1.0	0.0	353	16.3	8.1	8.1	31.6	31.7	105.6	105.4	8.5	8.5	4.5	4.5	4	4	-	-	-				-								
					Middle	4.2	0.0	327	16.3	16.3	8.0	8.0	32.0	32.0	106.1	106.2	8.6	8.6	3.1	3.0	5	4	-	-				-	-	-	-	-				
						4.2	0.0	327	16.3	8.0	8.0	32.0	32.0	106.2	106.2	8.6	8.6	3.0	3.0	4	4	-	-	-				-	-	-	-					
					Bottom	7.3	0.0	337	16.4	16.4	8.0	8.0	32.2	32.2	104.1	104.3	8.4	8.4	7.4	7.4	4	4	-	-				-	-	-	-	-	-			
						7.3	0.0	338	16.4	8.0	8.0	32.2	32.2	104.5	104.5	8.4	8.4	6.9	6.9	4	4	-	-	-				-	-	-	-	-				
SR8	Cloudy	Rough	12:49	4.7	Surface	1.0	-	-	16.5	16.7	8.2	8.2	30.7	30.8	94.5	94.7	7.7	7.7	2.4	2.4	6	6	-	-	-	820411	811618	-	-	-	-					
						1.0	-	-	16.9	8.2	8.2	30.9	30.8	94.8	94.7	7.6	7.6	2.7	2.7	4	4	-	-	-				-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-				
					Bottom	3.7	-	-	16.9	16.9	8.2	8.2	31.2	31.2	93.8	93.8	7.5	7.5	2.0	2.0	4	4	-	-				-	-	-	-	-				
						3.7	-	-	16.8	8.2	8.2	31.2	31.2	93.7	93.7	7.5	7.5	1.8	1.8	5	5	-	-	-				-	-	-	-					

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

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

Water Quality Monitoring Results on 03 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)											
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA										
C1	Misty	Rough	07:08	8.5	Surface	1.0	0.2	32	16.2	16.2	8.0	8.0	31.5	31.5	106.5	106.5	8.6	8.6	5.4	5.4	4	4	85	85	87	815607	804264	<0.2	<0.2	1.0	1.0									
						1.0	0.2	35	16.2	16.2	8.0	8.0	31.4	31.5	106.4	106.5	8.6	8.6	5.3	5.3	5	5	85	85				<0.2	<0.2	0.8	0.8									
						4.3	0.2	18	16.4	16.4	8.3	8.3	32.1	32.1	107.7	107.5	8.7	8.6	9.7	9.7	5	4	88	88				<0.2	<0.2	0.9	0.9									
						4.3	0.2	17	16.4	16.4	8.3	8.3	32.1	32.1	107.2	107.2	8.6	8.6	9.8	9.8	3	3	88	88				<0.2	<0.2	0.9	0.9									
					Bottom	7.5	0.2	45	16.5	16.5	8.2	8.2	32.4	32.4	103.6	103.7	8.3	8.3	10.6	10.6	4	4	89	89				4	4	89	89	<0.2	<0.2	0.8	0.8					
						7.5	0.2	44	16.5	16.5	8.2	8.2	32.3	32.4	103.7	103.7	8.3	8.3	10.7	10.7	5	5	89	89				4	4	89	89	<0.2	<0.2	0.9	0.9					
						C2	Misty	Rough	09:00	10.4	Surface	1.0	0.4	2	16.6	16.6	8.1	8.1	31.0	31.0	96.6	96.8	7.8	7.8				4.1	4.1	4	4	85	85	88	825685	806935	<0.2	<0.2	0.8	0.8
												1.0	0.4	4	16.6	16.6	8.1	8.1	31.0	31.0	97.0	96.8	7.8	7.8				4.2	4.2	4	4	85	85				<0.2	<0.2	0.8	0.8
5.2	0.4	341	17.1	17.1	8.1							8.1	31.5	31.6	101.6	101.6	8.1	8.1	4.0	4.0	4	4	88	88	<0.2	<0.2	0.9	0.9												
5.2	0.4	342	17.1	17.1	8.1							8.1	31.7	31.6	101.6	101.6	8.1	8.1	4.2	4.2	4	4	88	88	<0.2	<0.2	0.9	0.9												
Bottom	9.4	0.5	357	17.2	17.2						8.0	8.0	31.8	31.8	103.3	103.6	8.2	8.3	4.0	4.0	6	6	89	89	4	4	89	89	<0.2	<0.2	0.9	0.9								
	9.4	0.5	358	17.2	17.2						8.0	8.0	31.7	31.8	103.8	103.6	8.3	8.3	4.0	4.0	4	4	90	90	4	4	89	89	<0.2	<0.2	0.9	0.9								
	C3	Misty	Rough	07:36	11.1						Surface	1.0	0.5	279	16.6	16.6	8.2	8.2	31.8	31.8	94.3	94.4	7.6	7.6	1.6	1.6	5	5	87	87	89	822123	817819				<0.2	<0.2	0.9	0.9
												1.0	0.5	276	16.6	16.6	8.2	8.2	31.7	31.8	94.5	94.4	7.6	7.6	1.5	1.5	4	4	87	87							<0.2	<0.2	1.0	1.0
5.6						0.4	250	17.0	17.0	8.1		8.1	31.8	31.8	93.8	93.9	7.5	7.5	7.6	7.6	5	5	90	90	<0.2	<0.2	0.9	0.9												
5.6						0.5	243	17.0	17.0	8.1		8.1	31.7	31.8	94.0	94.0	7.5	7.5	7.2	7.2	5	5	90	90	<0.2	<0.2	0.9	0.9												
Bottom						10.1	0.5	275	17.1	17.1	8.1	8.1	31.8	31.8	91.6	91.8	7.3	7.3	9.1	9.1	4	4	91	91	4	4	91	91	<0.2	<0.2				0.9	0.9					
						10.1	0.5	277	17.1	17.1	8.1	8.1	31.8	31.8	91.9	91.8	7.3	7.3	8.8	8.8	5	5	91	91	4	4	91	91	<0.2	<0.2				0.9	0.9					
						IM1	Misty	Rough	07:23	6.6	Surface	1.0	0.2	24	16.7	16.7	8.1	8.1	32.2	32.2	103.1	103.1	8.3	8.3	7.2	7.2	3	3	84	84				87	818344	806462	<0.2	<0.2	0.9	0.9
												1.0	0.2	17	16.7	16.7	8.1	8.1	32.2	32.2	103.1	103.1	8.3	8.3	7.4	7.4	3	3	85	85							<0.2	<0.2	1.0	1.0
3.3	0.2	3	16.4	16.4	8.4							8.4	32.5	32.4	107.0	107.2	8.6	8.6	7.9	7.9	5	4	87	87	<0.2	<0.2	0.8	0.8												
3.3	0.2	359	16.4	16.4	8.4							8.4	32.2	32.4	107.4	107.4	8.6	8.6	7.7	7.7	3	3	88	88	<0.2	<0.2	0.9	0.9												
Bottom	5.6	0.2	355	16.3	16.3						8.3	8.3	32.3	32.3	101.6	101.5	8.2	8.2	8.8	8.8	5	5	88	88	4	4	88	88	<0.2	<0.2	0.9	0.9								
	5.6	0.1	352	16.3	16.3						8.3	8.3	32.3	32.3	101.3	101.5	8.2	8.2	9.0	9.0	5	5	88	88	4	4	88	88	<0.2	<0.2	0.9	0.9								
	IM2	Misty	Rough	07:55	7.2						Surface	1.0	0.2	24	16.2	16.2	8.4	8.4	31.5	31.6	102.6	102.5	8.3	8.3	5.9	5.9	4	4	85	85	88	819169	806239				<0.2	<0.2	0.9	0.9
												1.0	0.2	29	16.2	16.2	8.4	8.4	31.7	31.8	102.4	102.4	8.3	8.3	5.4	5.4	4	4	85	85							<0.2	<0.2	1.0	1.0
3.6						0.3	7	16.3	16.3	8.1		8.1	31.8	31.8	106.6	106.9	8.6	8.6	6.5	6.5	5	5	88	88	<0.2	<0.2	0.9	0.9												
3.6						0.2	6	16.3	16.3	8.1		8.1	31.8	31.8	107.1	107.1	8.7	8.7	6.3	6.3	4	4	89	89	<0.2	<0.2	1.0	1.0												
Bottom						6.2	0.2	26	16.2	16.2	8.4	8.4	32.1	32.3	100.2	100.2	8.1	8.1	8.4	8.4	5	5	89	89	4	4	89	89	<0.2	<0.2				0.9	0.9					
						6.2	0.3	23	16.2	16.2	8.4	8.4	32.4	32.3	100.2	100.2	8.1	8.1	8.0	8.0	5	5	90	90	4	4	90	90	<0.2	<0.2				1.0	1.0					
						IM7	Misty	Rough	08:08	7.7	Surface	1.0	0.2	352	17.1	17.1	8.1	8.1	31.6	31.7	101.3	101.3	8.1	8.1	2.6	2.6	4	4	88	88				90	821374	806848	<0.2	<0.2	1.0	1.0
												1.0	0.2	348	17.1	17.1	8.1	8.1	31.8	31.7	101.2	101.2	8.1	8.1	2.8	2.8	5	5	88	88							<0.2	<0.2	0.9	0.9
3.9	0.2	358	16.8	16.8	8.4							8.4	31.8	31.8	105.8	105.6	8.5	8.5	4.1	4.1	4	4	89	89	<0.2	<0.2	1.0	1.0												
3.9	0.2	354	16.8	16.8	8.4							8.4	31.8	31.8	105.4	105.4	8.4	8.4	3.8	3.8	4	4	90	90	<0.2	<0.2	0.9	0.9												
Bottom	6.7	0.2	353	16.9	16.9						8.4	8.4	31.9	31.8	101.9	102.0	8.2	8.2	4.3	4.3	5	5	91	91	4	4	91	91	<0.2	<0.2	1.0	1.0								
	6.7	0.2	348	16.9	16.9						8.4	8.4	31.9	31.9	102.0	102.0	8.1	8.1	4.5	4.5	4	4	92	92	4	4	92	92	<0.2	<0.2	1.0	1.0								

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

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

Water Quality Monitoring Results on 03 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
IM10	Misty	Rough	08:49	8.4	Surface	1.0	0.4	293	16.5	16.5	8.3	8.3	31.3	31.3	94.3	94.3	7.7	7.7	3.3	3.3	5	5	83	89	822246	809825	<0.2	0.9	<0.2	0.9					
						1.0	0.4	289	16.5	16.5	8.3	8.3	31.3	31.3	94.3	94.3	7.6	7.6	2.9	2.9	4	4	85	85											
					Middle	4.2	0.4	286	16.5	16.5	8.3	8.3	31.2	31.2	95.1	95.2	7.7	7.7	2.3	2.3	5	5	90	90											
						4.2	0.4	279	16.5	16.5	8.3	8.3	31.2	31.2	95.2	95.2	7.7	7.7	2.2	2.2	5	5	90	90											
					Bottom	7.4	0.4	289	16.4	16.4	8.4	8.4	31.3	31.3	91.7	91.6	7.4	7.4	4.7	4.7	5	5	92	92											
						7.4	0.4	287	16.4	16.4	8.4	8.4	31.2	31.2	91.5	91.5	7.4	7.4	4.7	4.7	5	5	93	93											
IM11	Misty	Rough	08:13	8.8	Surface	1.0	0.5	289	16.8	16.8	8.2	8.2	31.4	31.4	94.1	94.0	7.6	7.6	4.7	4.7	6	6	85	88	821513	810548	<0.2	0.9	<0.2	0.9					
						1.0	0.5	296	16.8	16.8	8.2	8.2	31.4	31.4	93.9	94.0	7.5	7.5	4.7	4.7	7	7	85	85											
					Middle	4.4	0.5	270	16.6	16.6	8.2	8.2	31.3	31.3	92.6	92.5	7.5	7.5	8.6	8.6	6	6	89	89											
						4.4	0.4	271	16.6	16.6	8.2	8.2	31.3	31.3	92.3	92.5	7.4	7.4	8.6	8.6	6	6	89	89											
					Bottom	7.8	0.5	258	16.6	16.6	8.4	8.4	31.1	31.1	94.9	95.0	7.7	7.7	9.9	9.9	6	6	90	90											
						7.8	0.5	257	16.6	16.6	8.4	8.4	31.2	31.2	95.1	95.0	7.7	7.7	10.0	10.0	5	5	91	91											
IM12	Misty	Rough	08:53	9.6	Surface	1.0	0.5	289	16.5	16.5	8.1	8.1	31.5	31.5	93.9	94.0	7.6	7.6	2.0	2.0	5	5	84	88	821169	811511	<0.2	0.9	<0.2	0.8					
						1.0	0.5	285	16.5	16.5	8.1	8.1	31.4	31.5	94.1	94.0	7.6	7.6	1.9	1.9	5	5	85	85											
					Middle	4.8	0.5	298	16.6	16.6	8.3	8.3	31.5	31.4	95.7	95.6	7.7	7.7	4.6	4.6	5	5	88	88											
						4.8	0.5	291	16.6	16.6	8.3	8.3	31.3	31.3	95.5	95.6	7.7	7.7	4.5	4.5	4	4	89	89											
					Bottom	8.6	0.5	293	16.7	16.7	8.3	8.3	31.3	31.3	92.5	92.7	7.4	7.4	5.6	5.6	4	4	90	90											
						8.6	0.4	299	16.7	16.7	8.3	8.3	31.3	31.3	92.9	92.9	7.5	7.5	6.1	6.1	4	4	90	90											
SR1A	Misty	Rough	08:16	4.8	Surface	1.0	0.0	202	16.4	16.4	8.2	8.2	30.8	30.7	91.5	91.7	7.4	7.4	4.9	4.9	5	5	-	-	819989	812659	-	-	-	-					
						1.0	0.1	208	16.4	16.4	8.2	8.2	30.6	30.7	91.9	91.7	7.5	7.5	4.5	4.5	4	4	-	-											
					Middle	2.4	0.1	214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	-	-							
						2.4	0.1	207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.8	0.0	189	16.4	16.4	8.3	8.3	30.8	30.8	91.3	91.2	7.4	7.4	1.1	1.1	5	5	-	-	-	-									
						3.8	0.0	184	16.4	16.4	8.3	8.3	30.8	30.8	91.0	91.2	7.4	7.4	1.2	1.2	4	4	-	-	-	-									
SR2	Misty	Rough	08:02	5.2	Surface	1.0	0.1	253	16.7	16.7	8.1	8.1	31.5	31.5	96.0	96.1	7.7	7.7	1.2	1.2	6	6	86	88	821448	814179	<0.2	0.9	<0.2	0.9					
						1.0	0.1	253	16.7	16.7	8.1	8.1	31.5	31.5	96.1	96.1	7.7	7.7	1.1	1.1	5	5	86	86											
					Middle	-	0.1	228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	-	-							
						-	0.2	228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.2	0.1	253	16.5	16.5	8.1	8.1	31.6	31.6	96.1	96.3	7.7	7.8	1.7	1.7	6	6	90	90											
						4.2	0.1	253	16.5	16.5	8.1	8.1	31.5	31.5	96.5	96.5	7.8	7.8	1.8	1.8	7	7	90	90											
SR3	Misty	Rough	08:28	8.8	Surface	1.0	0.3	327	16.9	16.9	8.4	8.4	31.8	31.8	104.3	104.1	8.3	8.3	4.2	4.2	5	5	-	-	822122	807582	-	-	-	-					
						1.0	0.3	319	16.9	16.9	8.4	8.4	31.7	31.8	103.8	103.8	8.3	8.3	4.0	4.0	6	6	-	-											
					Middle	4.4	0.3	329	16.5	16.5	8.4	8.4	31.8	31.7	103.9	103.8	8.4	8.4	2.1	2.1	4	4	-	-	-	-									
						4.4	0.3	330	16.5	16.5	8.4	8.4	31.6	31.7	103.6	103.6	8.4	8.4	2.0	2.0	4	4	-	-	-	-									
					Bottom	7.8	0.3	313	16.8	16.8	8.2	8.2	31.7	31.8	102.9	103.1	8.2	8.3	1.3	1.3	5	5	-	-	-	-									
						7.8	0.3	314	16.8	16.8	8.2	8.2	31.9	31.8	103.3	103.3	8.3	8.3	1.4	1.4	6	6	-	-	-	-									
SR4A	Misty	Rough	06:43	8.7	Surface	1.0	0.1	205	16.7	16.7	8.1	8.1	30.9	30.9	102.6	102.6	8.3	8.3	5.2	5.2	6	6	-	-	817183	807800	-	-	-	-					
						1.0	0.0	200	16.7	16.7	8.1	8.1	30.8	30.8	102.6	102.6	8.3	8.3	5.2	5.2	4	4	-	-											
					Middle	4.4	0.0	200	16.2	16.2	8.1	8.1	31.1	31.1	100.7	100.8	8.2	8.2	4.9	4.9	5	5	-	-	-	-									
						4.4	0.0	206	16.2	16.2	8.1	8.1	31.1	31.1	100.8	100.8	8.2	8.2	5.1	5.1	5	5	-	-	-	-									
					Bottom	7.7	0.0	223	16.4	16.4	8.1	8.1	32.0	32.1	100.9	100.8	8.1	8.1	6.8	6.8	4	4	-	-	-	-									
						7.7	0.0	216	16.4	16.4	8.1	8.1	32.2	32.2	100.6	100.6	8.1	8.1	6.3	6.3	5	5	-	-	-	-									
SR8	Misty	Rough	08:43	5.7	Surface	1.0	-	-	16.4	16.4	8.4	8.4	31.1	31.2	93.6	93.4	7.6	7.6	2.3	2.3	5	5	-	-	820388	811632	-	-	-	-					
						1.0	-	-	16.4	16.4	8.4	8.4	31.3	31.2	93.1	93.4	7.5	7.5	2.4	2.4	7	7	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	4.7	-	-	16.4	16.4	8.3	8.3	31.2	31.2	95.1	94.9	7.7	7.7	3.3	3.3	4	4	-	-	-	-									
						4.7	-	-	16.4	16.4	8.3	8.3	31.1	31.2	94.6	94.9	7.7	7.7	3.2	3.2	5	5	-	-	-	-									

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

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

Water Quality Monitoring Results on 06 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
C1	Cloudy	Rough	16:12	8.0	Surface	1.0	0.4	206	16.7	16.7	8.3	8.3	31.2	31.3	102.0	102.3	8.2	8.2	5.5	7.7	2	3	86	88	815644	804259	<0.2	<0.2	0.6	0.6		
						1.0	0.4	212	16.7	16.7	8.3	8.3	31.3	31.3	102.5	102.3	8.2	8.2	5.2	7.7	2	3	87	88			<0.2	<0.2	0.5	0.5		
						4.0	0.5	199	17.1	17.1	8.1	8.1	32.1	32.2	104.6	104.8	8.3	8.3	10.2	7.7	4	3	88	87			<0.2	<0.2	0.5	0.5		
						4.0	0.5	194	17.0	17.0	8.1	8.1	32.3	32.3	104.9	104.8	8.3	8.3	9.8	7.7	3	3	87	90			<0.2	<0.2	0.5	0.6		
					7.0	0.5	231	16.8	16.8	8.4	8.4	32.6	32.6	105.6	105.5	8.4	8.4	7.6	8.4	3	3	90	90	<0.2			<0.2	0.6	0.6			
					7.0	0.5	235	16.8	16.8	8.4	8.4	32.5	32.5	105.4	105.4	8.4	8.4	8.1	8.4	3	3	90	90	<0.2			<0.2	0.6	0.6			
					Middle	1.0	0.2	168	16.7	16.8	8.2	8.2	30.8	31.0	101.4	101.7	8.2	8.2	4.0	8.2	4	4	84	88			825696	806942	<0.2	<0.2	0.6	0.6
						1.0	0.2	172	16.9	16.8	8.2	8.2	31.1	31.0	101.9	101.7	8.2	8.2	4.2	8.2	4	4	88	88					<0.2	<0.2	0.5	0.5
5.1	0.3	179	17.0	17.0		8.2	8.2	31.3	31.5	101.2	101.2	8.1	8.1	3.1	8.2	3	4	84	88	<0.2	<0.2	0.5	0.5									
5.1	0.2	182	17.0	17.0		8.2	8.2	31.7	31.5	101.1	101.2	8.1	8.1	3.2	8.2	2	4	88	88	<0.2	<0.2	0.5	0.5									
Bottom	9.2	0.2	149	17.0	17.0	8.3	8.3	31.6	31.7	104.0	103.8	8.3	8.3	3.5	8.3	5	5	92	92	<0.2	<0.2	0.5	0.5									
	9.2	0.2	141	17.0	17.0	8.3	8.3	31.7	31.7	103.5	103.8	8.3	8.3	3.9	8.3	5	5	92	92	<0.2	<0.2	0.5	0.5									
C2	Cloudy	Rough	14:29	10.2	Surface	1.0	0.2	168	16.7	16.8	8.2	8.2	30.8	31.0	101.4	101.7	8.2	8.2	4.0	3.7	2	4	84	88	822092	817799	<0.2	<0.2	0.6	0.6		
						1.0	0.2	172	16.9	16.8	8.2	8.2	31.1	31.0	101.9	101.7	8.2	8.2	4.2	3.7	4	4	88	88			<0.2	<0.2	0.6	0.6		
						5.1	0.3	179	17.0	17.0	8.2	8.2	31.3	31.5	101.2	101.2	8.1	8.1	3.1	3.7	3	4	84	88			<0.2	<0.2	0.5	0.5		
						5.1	0.2	182	17.0	17.0	8.2	8.2	31.7	31.5	101.1	101.2	8.1	8.1	3.2	3.7	2	4	88	88			<0.2	<0.2	0.5	0.5		
					Middle	9.2	0.2	149	17.0	17.0	8.3	8.3	31.6	31.7	104.0	103.8	8.3	8.3	3.5	8.3	5	5	92	92			<0.2	<0.2	0.5	0.5		
						9.2	0.2	141	17.0	17.0	8.3	8.3	31.7	31.7	103.5	103.8	8.3	8.3	3.9	8.3	5	5	92	92			<0.2	<0.2	0.5	0.5		
						Bottom	1.0	0.3	86	16.8	16.9	8.4	8.4	31.6	31.7	92.6	92.6	7.5	7.4	1.2	7.4	4	4	86			86	<0.2	<0.2	0.6	0.6	
							1.0	0.3	85	16.9	16.9	8.4	8.4	31.7	31.7	92.6	92.6	7.4	7.4	1.3	7.4	3	4	86			86	<0.2	<0.2	0.6	0.6	
Bottom	5.6	0.4	93	16.9	16.8	8.2	8.2	31.7	31.7	91.9	91.8	7.3	7.3	2.0	7.3	4	4	88	88	<0.2	<0.2	0.6	0.6									
	5.6	0.4	91	16.6	16.8	8.2	8.2	31.7	31.7	91.7	91.8	7.4	7.4	1.9	7.4	3	4	88	88	<0.2	<0.2	0.6	0.6									
	10.2	0.4	59	16.6	16.7	8.1	8.1	31.7	31.7	91.3	91.4	7.3	7.3	2.0	7.3	3	4	90	90	<0.2	<0.2	0.5	0.5									
	10.2	0.4	66	16.8	16.7	8.1	8.1	31.6	31.6	91.5	91.4	7.3	7.3	1.8	7.3	4	4	90	90	<0.2	<0.2	0.6	0.6									
IM1	Cloudy	Rough	15:56	6.2	Surface	1.0	0.3	181	15.9	16.0	8.2	8.2	31.2	31.4	105.0	105.1	8.6	8.4	4.4	4.4	4	3	88	89	818337	806453	<0.2	<0.2	0.6	0.6		
						1.0	0.3	175	16.0	16.0	8.2	8.2	31.6	31.4	105.2	105.1	8.6	8.4	4.0	4.4	4	3	89	87			<0.2	<0.2	0.5	0.5		
						3.1	0.3	194	16.5	16.4	8.1	8.1	31.9	32.1	101.5	101.5	8.2	8.2	4.6	8.2	2	3	87	87			<0.2	<0.2	0.6	0.6		
						3.1	0.3	199	16.2	16.4	8.1	8.1	32.3	32.1	101.5	101.5	8.2	8.2	4.2	8.2	3	3	87	87			<0.2	<0.2	0.6	0.6		
					Middle	5.2	0.4	193	16.5	16.6	8.2	8.2	32.3	32.2	101.3	101.5	8.1	8.2	4.4	8.2	3	3	91	91			<0.2	<0.2	0.7	0.7		
						5.2	0.4	185	16.6	16.6	8.2	8.2	32.1	32.2	101.6	101.5	8.2	8.2	4.7	8.2	3	3	92	92			<0.2	<0.2	0.5	0.5		
						Bottom	1.0	0.3	202	16.5	16.6	8.1	8.1	31.7	31.7	99.9	99.7	8.1	8.1	5.5	8.1	3	3	86			86	<0.2	<0.2	0.6	0.6	
							1.0	0.3	205	16.6	16.6	8.1	8.1	31.7	31.7	99.5	99.7	8.0	8.0	5.2	8.1	4	3	86			86	<0.2	<0.2	0.6	0.6	
Bottom	3.2	0.3	197	16.5	16.6	8.1	8.1	32.1	32.2	100.9	100.9	8.1	8.1	5.7	8.1	4	3	87	88	<0.2	<0.2	0.5	0.5									
	3.2	0.3	189	16.7	16.6	8.1	8.1	32.2	32.2	100.9	100.9	8.1	8.1	6.1	8.1	4	3	88	88	<0.2	<0.2	0.6	0.6									
	5.4	0.3	181	16.3	16.4	8.1	8.1	32.0	32.2	103.1	103.0	8.3	8.3	4.8	8.3	2	3	90	90	<0.2	<0.2	0.6	0.6									
	5.4	0.3	184	16.4	16.4	8.1	8.1	32.4	32.2	102.8	103.0	8.3	8.3	5.1	8.3	<2	3	90	90	<0.2	<0.2	0.5	0.5									
IM2	Cloudy	Rough	15:43	6.4	Surface	1.0	0.3	135	16.4	16.4	8.0	8.0	32.1	32.1	99.2	99.4	8.0	8.2	4.5	3.9	3	4	86	88	821321	806839	<0.2	<0.2	0.6	0.6		
						1.0	0.3	141	16.3	16.4	8.0	8.0	32.0	32.1	99.6	99.4	8.0	8.2	4.7	3.9	3	4	86	88			<0.2	<0.2	0.6	0.6		
						3.6	0.2	124	16.4	16.5	8.4	8.4	31.9	32.0	103.9	103.8	8.4	8.3	2.7	8.3	4	4	88	89			<0.2	<0.2	0.6	0.6		
						3.6	0.2	120	16.5	16.5	8.4	8.4	32.0	32.0	103.6	103.8	8.3	8.3	2.5	8.3	4	4	89	91			<0.2	<0.2	0.6	0.6		
					Middle	6.1	0.2	168	16.7	16.8	8.2	8.2	32.0	32.0	103.0	103.0	8.3	8.3	4.7	8.3	4	4	91	91			<0.2	<0.2	0.6	0.6		
						6.1	0.2	167	16.8	16.8	8.2	8.2	32.0	32.0	102.9	103.0	8.2	8.2	4.2	8.2	3	4	92	92			<0.2	<0.2	0.7	0.7		
						Bottom	1.0	0.3	202	16.5	16.6	8.1	8.1	31.7	31.7	99.9	99.7	8.1	8.1	5.5	8.1	3	3	86			86	<0.2	<0.2	0.6	0.6	
							1.0	0.3	205	16.6	16.6	8.1	8.1	31.7	31.7	99.5	99.7	8.0	8.0	5.2	8.1	4	3	86			86	<0.2	<0.2	0.6	0.6	
Bottom	3.2	0.3	197	16.5	16.6	8.1	8.1	32.1	32.2	100.9	100.9	8.1	8.1	5.7	8.1	4	3	87	88	<0.2	<0.2	0.5	0.5									
	3.2	0.3	189	16.7	16.6	8.1	8.1	32.2	32.2	100.9	100.9	8.1	8.1	6.1	8.1	4	3	88	88	<0.2	<0.2	0.6	0.6									
	5.4	0.3	181	16.3	16.4	8.1	8.1	32.0	32.2	103.1	103.0	8.3	8.3	4.8	8.3	2	3	90	90	<0.2	<0.2	0.6	0.6									
	5.4	0.3	184	16.4	16.4	8.1	8.1	32.4	32.2	102.8	103.0	8.3	8.3	5.1	8.3	<2	3	90	90	<0.2	<0.2	0.5	0.5									

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

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

Water Quality Monitoring Results on 06 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
IM10	Cloudy	Rough	14:24	8.0	Surface	1.0	0.3	96	16.4	16.5	8.4	8.4	31.4	31.5	92.7	92.5	7.5	7.4	2.2	2.3	4	3	87	86	90	822239	809817	<0.2	<0.2	0.6	0.5		
						1.0	0.3	91	16.6	8.4	8.4	31.5	31.2	92.3	90.7	7.4	7.3	2.3	2.5	3	4	86	90	90	<0.2			<0.2	0.6	0.6			
						4.0	0.4	98	16.6	8.3	8.3	31.2	31.2	90.7	90.7	7.3	7.3	2.4	2.5	4	4	90	90	90	<0.2			<0.2	0.6	0.6			
					4.0	0.3	91	16.6	8.3	8.3	31.2	31.4	90.6	91.1	7.3	7.7	2.5	5.0	4	2	90	92	92	<0.2	<0.2			0.6	0.6				
					7.0	0.4	116	16.6	8.3	8.3	31.4	31.4	95.1	91.2	7.7	7.7	5.0	7.7	2	4	92	93	93	<0.2	<0.2			0.6	0.6				
					7.0	0.4	120	16.6	8.3	8.3	31.4	31.4	91.2	91.2	7.7	7.7	5.1	5.1	3	3	93	93	93	<0.2	<0.2			0.6	0.6				
IM11	Cloudy	Rough	14:31	7.9	Surface	1.0	0.4	78	16.6	16.7	8.2	8.2	31.3	31.3	93.9	93.8	7.6	7.5	1.8	2.0	4	4	86	87	90	821522	810544	<0.2	<0.2	0.6	0.6		
						1.0	0.4	79	16.7	8.2	8.2	31.3	31.4	93.7	91.6	7.5	7.4	2.0	2.2	4	4	81	87	90	<0.2			<0.2	0.6	0.6			
						4.0	0.4	91	16.7	8.2	8.2	31.3	31.5	91.6	91.2	7.4	7.3	2.2	2.5	4	3	91	90	90	<0.2			<0.2	0.6	0.6			
					4.0	0.4	95	16.8	8.2	8.2	31.5	31.5	91.2	92.3	7.3	7.5	2.5	4.0	3	4	90	92	92	<0.2	<0.2			0.6	0.6				
					6.9	0.4	115	16.8	8.2	8.2	31.5	31.5	93.8	92.5	7.4	7.5	4.0	4.2	4	2	92	93	93	<0.2	<0.2			0.7	0.6				
					6.9	0.4	112	16.4	8.2	8.2	31.5	31.5	92.7	92.5	7.5	7.5	4.2	4.2	2	2	93	93	93	<0.2	<0.2			0.6	0.6				
IM12	Cloudy	Rough	14:45	8.9	Surface	1.0	0.5	109	16.9	16.9	8.3	8.3	31.5	31.5	93.2	93.1	7.5	7.5	2.4	2.5	4	5	86	87	90	821179	811529	<0.2	<0.2	0.6	0.6		
						1.0	0.5	113	16.8	8.3	8.3	31.5	31.5	93.0	92.3	7.5	7.4	2.5	1.6	4	4	87	92	91	<0.2			<0.2	0.6	0.6			
						4.5	0.5	109	16.8	8.3	8.3	31.4	31.6	92.4	92.2	7.4	7.4	1.6	1.5	4	4	92	91	91	<0.2			<0.2	0.6	0.6			
					4.5	0.4	107	16.9	8.3	8.3	31.6	31.6	92.2	93.8	7.4	7.5	1.5	2.6	4	5	91	93	93	<0.2	<0.2			0.6	0.6				
					7.9	0.4	78	16.9	8.2	8.2	31.6	31.6	93.8	93.7	7.5	7.5	2.6	2.6	5	5	93	93	93	<0.2	<0.2			0.6	0.6				
					7.9	0.5	82	16.6	8.2	8.2	31.5	31.5	93.6	93.6	7.5	7.5	2.6	2.6	5	5	93	93	93	<0.2	<0.2			0.6	0.6				
SR1A	Cloudy	Rough	15:26	5.2	Surface	1.0	0.0	20	16.4	16.3	8.3	8.3	30.6	30.6	90.7	90.6	7.4	7.4	4.0	3.8	5	4	-	-	-	819988	812644	-	-	-	-		
						1.0	0.0	26	16.1	8.3	8.3	30.5	30.6	90.5	90.6	7.4	7.4	3.8	3.7	4	5	-	-	-	-			-	-				
						2.6	0.0	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					2.6	0.0	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					4.2	0.0	12	16.1	8.2	8.2	30.6	30.7	91.0	90.9	7.4	7.4	3.5	3.5	5	4	-	-	-	-	-			-	-	-	-	-	
					4.2	0.0	7	16.7	8.2	8.2	30.7	30.7	90.7	90.9	7.3	7.3	3.3	3.3	4	4	-	-	-	-	-			-	-	-	-	-	-
SR2	Cloudy	Rough	15:34	4.7	Surface	1.0	0.4	51	16.8	16.8	8.1	8.1	31.5	31.6	92.3	92.4	7.4	7.4	1.7	1.5	4	5	85	84	87	821456	814159	<0.2	<0.2	0.7	0.5		
						1.0	0.4	49	16.7	8.1	8.1	31.7	31.7	92.4	92.4	7.4	7.4	1.5	1.8	5	4	84	84	87	<0.2			<0.2	0.6	0.6			
						-	0.4	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					-	0.4	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	
					3.7	0.4	42	16.7	8.2	8.2	31.7	31.8	94.3	94.3	7.6	7.6	2.0	2.0	4	4	89	89	89	<0.2	<0.2			0.7	0.7				
					3.7	0.4	40	16.4	8.2	8.2	31.8	31.8	94.3	94.3	7.6	7.6	2.1	2.1	3	3	89	89	89	<0.2	<0.2			0.6	0.6				
SR3	Cloudy	Rough	14:56	8.3	Surface	1.0	0.3	136	16.6	16.7	8.3	8.3	31.7	31.7	103.5	103.8	8.3	8.3	4.9	4.6	5	4	-	-	-	822134	807561	-	-	-	-		
						1.0	0.3	130	16.7	8.3	8.3	31.7	31.7	104.0	103.0	8.3	8.3	4.6	5.5	4	5	-	-	-	-			-	-				
						4.2	0.4	134	16.1	8.0	8.0	32.0	31.8	102.9	103.0	8.3	8.3	7.1	7.1	4	4	-	-	-	-			-	-	-			
					4.2	0.4	133	16.3	8.0	8.0	31.8	31.9	103.0	103.0	8.3	8.3	7.1	7.1	4	4	-	-	-	-	-			-	-				
					7.3	0.3	167	16.5	8.1	8.1	31.9	31.9	99.6	99.8	8.0	8.0	4.8	4.8	5	5	-	-	-	-	-			-					
					7.3	0.3	162	16.6	8.1	8.1	31.8	31.8	100.0	100.0	8.0	8.0	4.3	4.3	5	5	-	-	-	-	-			-					
SR4A	Cloudy	Rough	16:42	8.4	Surface	1.0	0.0	54	16.2	16.3	8.3	8.3	31.8	31.8	105.0	105.2	8.8	8.6	3.8	4.1	4	3	-	-	-	817177	807816	-	-	-	-		
						1.0	0.1	51	16.3	8.3	8.3	31.8	31.8	105.3	106.2	8.5	8.6	4.1	3.9	4	4	-	-	-	-			-					
						4.2	-	28	16.4	8.1	8.1	32.0	32.0	106.2	106.1	8.6	8.6	3.9	3.8	2	4	-	-	-	-			-					
					4.2	0.0	29	16.2	8.1	8.1	32.0	32.4	106.1	102.4	8.6	8.2	3.8	5.2	4	3	-	-	-	-	-								
					7.4	0.0	51	16.4	8.0	8.0	32.3	32.4	102.4	102.2	8.2	8.2	5.2	5.5	3	5	-	-	-	-	-								
					7.4	0.0	50	16.4	8.0	8.0	32.4	32.4	102.2	102.2	8.2	8.2	5.5	5.5	5	5	-	-	-	-	-								
SR8	Cloudy	Rough	14:54	5.0	Surface	1.0	-	-	16.7	16.8	8.2	8.2	30.9	30.9	94.6	94.8	7.6	7.6	2.4	2.7	4	3	-	-	-	820410	811629	-	-	-	-		
						1.0	-	-	16.8	8.2	8.2	30.9	30.9	95.0	94.8	7.6	7.6	2.7	2.7	3	4	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					4.0	-	-	16.8	8.2	8.2	31.4	31.3	92.9	93.1	7.5	7.5	2.0	2.0	4	4	-	-	-	-									
					4.0	-	-	16.9	8.2	8.2	31.2	31.3	93.2	93.2	7.5	7.5	1.8	1.8	3	3	-	-	-	-									

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

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

Water Quality Monitoring Results on 06 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)											
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA										
					Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA								
C1	Cloudy	Rough	08:13	8.6	Surface	1.0	0.2	34	16.5	16.4	8.0	8.0	31.3	31.5	104.0	104.0	8.4	8.4	5.9	5.9	5	5	88	89	89	815600	804255	<0.2	<0.2	0.6	0.6									
						1.0	0.1	28	16.2	8.0	8.0	31.6	31.5	103.9	104.0	8.4	8.4	6.0	6.0	4	4	87	87	<0.2				<0.2	0.6	0.6										
						4.3	0.2	17	16.3	16.3	8.3	8.3	32.0	32.0	103.7	103.5	8.4	8.4	9.1	9.1	4	4	89	89				<0.2	<0.2	0.6	0.6									
						4.3	0.1	22	16.3	8.3	8.3	32.0	32.0	103.3	103.3	8.3	8.3	9.0	9.0	4	4	89	89	<0.2				<0.2	0.5	0.5										
					Bottom	7.6	0.1	5	16.5	16.5	8.3	8.3	32.4	32.4	102.1	102.3	8.2	8.2	9.5	9.5	4	4	90	90				<0.2	<0.2	0.6	0.6									
						7.6	0.1	2	16.4	8.3	8.3	32.4	32.4	102.4	102.4	8.2	8.2	9.2	9.2	4	4	92	92	<0.2				<0.2	0.6	0.6										
						C2	Cloudy	Rough	10:20	10.4	Surface	1.0	0.5	337	16.6	16.5	8.1	8.1	30.9	31.0	100.7	100.9	8.1	8.1				4.8	4.8	5	5	87	87	89	825691	806933	<0.2	<0.2	0.5	0.5
												1.0	0.5	338	16.4	8.1	8.1	31.0	31.0	101.0	101.0	8.2	8.2	5.1				5.1	5	5	87	87	<0.2				<0.2	0.6	0.6	
5.2	0.5	0	17.1	17.1	8.3							8.3	31.5	31.6	104.1	104.3	8.3	8.3	5.2	5.2	4	4	88	88	<0.2	<0.2	0.6	0.6												
5.2	0.5	5	17.0	8.3	8.3							31.7	31.7	104.5	104.5	8.3	8.3	4.7	4.7	4	4	89	89	<0.2	<0.2	0.6	0.6													
Bottom	9.4	0.4	5	17.2	17.3						8.1	8.1	31.7	31.7	102.8	102.8	8.2	8.2	3.6	3.6	2	2	91	91	<0.2	<0.2	0.6	0.6												
	9.4	0.4	11	17.4	8.1						8.1	31.6	31.7	102.8	102.8	8.1	8.1	3.5	3.5	3	3	91	91	<0.2	<0.2	0.6	0.6													
	C3	Cloudy	Rough	07:46	11.0						Surface	1.0	0.3	282	16.8	16.8	8.1	8.1	31.6	31.7	91.6	91.7	7.3	7.3	1.6	1.6	5	5	86	86	88	822128	817812				<0.2	<0.2	0.6	0.6
												1.0	0.2	285	16.8	8.1	8.1	31.7	31.7	91.7	91.7	7.3	7.3	1.5	1.5	6	6	86	86	<0.2							<0.2	0.5	0.5	
5.5						0.2	264	17.1	17.1	8.2		8.2	31.6	31.7	91.3	91.5	7.3	7.3	8.3	8.3	4	4	88	88	<0.2	<0.2	0.6	0.6												
5.5						0.2	261	17.1	8.2	8.2		31.7	31.7	91.7	91.7	7.3	7.3	8.0	8.0	5	5	88	88	<0.2	<0.2	0.6	0.6													
Bottom						10.0	0.2	274	17.1	17.1	8.1	8.1	31.9	31.9	94.2	94.2	7.5	7.5	8.2	8.2	3	3	90	90	<0.2	<0.2	0.6	0.6												
						10.0	0.3	268	17.1	8.1	8.1	31.9	31.9	94.1	94.1	7.5	7.5	7.8	7.8	3	3	90	90	<0.2	<0.2	0.6	0.6													
						IM1	Cloudy	Rough	08:29	6.7	Surface	1.0	0.0	11	16.7	16.6	8.1	8.1	32.0	32.1	104.7	104.9	8.4	8.4	5.8	5.8	4	4	88	88				88	818359	806466	<0.2	<0.2	0.7	0.7
												1.0	0.1	7	16.5	8.1	8.1	32.2	32.1	105.0	105.0	8.4	8.4	6.3	6.3	4	4	87	87	<0.2							<0.2	0.6	0.6	
3.4	0.1	38	16.5	16.5	8.3							8.3	32.6	32.4	107.0	107.2	8.6	8.6	6.7	6.7	3	3	88	88	<0.2	<0.2	0.6	0.6												
3.4	0.2	38	16.5	8.3	8.3							32.1	32.1	107.4	107.4	8.6	8.6	6.6	6.6	4	4	88	88	<0.2	<0.2	0.6	0.6													
Bottom	5.7	0.1	11	16.4	16.5						8.3	8.3	32.4	32.3	100.1	100.3	8.0	8.1	9.1	9.1	4	4	89	89	<0.2	<0.2	0.7	0.7												
	5.7	0.1	16	16.6	8.3						8.3	32.2	32.2	100.5	100.5	8.1	8.1	9.5	9.5	4	4	89	89	<0.2	<0.2	0.5	0.5													
	IM2	Cloudy	Rough	09:00	7.3						Surface	1.0	0.1	342	16.2	16.3	8.2	8.2	31.6	31.6	103.8	104.0	8.4	8.4	4.9	4.9	3	3	88	88	89	819161	806246				<0.2	<0.2	0.6	0.6
												1.0	0.1	343	16.3	8.2	8.2	31.6	31.6	104.2	104.2	8.4	8.4	5.1	5.1	<2	<2	3	3	87							87	<0.2	<0.2	0.6
3.7						0.1	359	16.3	16.3	8.1		8.1	31.6	31.8	105.4	105.5	8.5	8.5	6.6	6.6	3	3	89	89	<0.2	<0.2	0.6	0.6												
3.7						0.1	354	16.3	8.1	8.1		31.9	31.9	105.6	105.6	8.5	8.5	6.5	6.5	4	4	89	89	<0.2	<0.2	0.6	0.6													
Bottom						6.3	0.1	357	16.3	16.3	8.2	8.2	32.0	32.2	101.9	101.8	8.2	8.2	7.8	7.8	4	4	91	91	<0.2	<0.2	0.6	0.6												
						6.3	0.2	353	16.3	8.2	8.2	32.4	32.2	101.7	101.7	8.2	8.2	7.4	7.4	3	3	91	91	<0.2	<0.2	0.6	0.6													
						IM7	Cloudy	Rough	09:17	7.6	Surface	1.0	0.2	306	17.1	17.2	8.1	8.1	31.6	31.6	101.3	101.5	8.1	8.1	3.7	3.7	3	3	86	86				89	821359	806839	<0.2	<0.2	0.5	0.5
												1.0	0.1	299	17.2	8.1	8.1	31.6	31.6	101.7	101.7	8.1	8.1	3.3	3.3	<2	<2	3	3	86							86	<0.2	<0.2	0.5
3.8	0.2	304	16.8	16.7	8.3							8.3	31.7	31.8	101.4	101.2	8.1	8.1	4.0	4.0	4	4	87	87	<0.2	<0.2	0.6	0.6												
3.8	0.2	300	16.5	8.3	8.3							31.9	31.9	101.0	101.0	8.1	8.1	3.6	3.6	3	3	90	90	<0.2	<0.2	0.6	0.6													
Bottom	6.6	0.2	316	16.9	16.9						8.4	8.4	31.6	31.8	104.5	104.7	8.4	8.4	3.5	3.5	5	5	92	92	<0.2	<0.2	0.6	0.6												
	6.6	0.2	314	16.8	8.4						8.4	31.9	31.9	104.8	104.8	8.4	8.4	3.9	3.9	3	3	92	92	<0.2	<0.2	0.6	0.6													

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

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

Water Quality Monitoring Results on 06 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
IM10	Cloudy	Rough	09:59	8.6	Surface	1.0	0.4	281	16.7	16.7	8.1	8.1	31.1	31.2	92.3	92.2	7.7	7.4	1.9	1.7	4	5	87	87	89	822232	809837	<0.2	<0.2	0.6	0.6				
						1.0	0.4	288	16.7	16.7	8.1	8.1	31.2	31.3	92.0	94.2	7.4	7.6	1.7	2.1	5	4	87	89				<0.2	<0.2	0.6	0.6				
					Middle	4.3	0.4	276	16.7	16.7	8.4	8.4	31.2	31.3	94.1	94.3	7.6	7.6	2.1	2.2	4	5	89	89				<0.2	<0.2	0.6	0.6				
						4.3	0.4	280	16.7	16.4	8.4	8.2	31.3	31.2	94.3	96.0	7.6	7.8	2.2	4.5	4	4	89	91				<0.2	<0.2	0.6	0.6				
					Bottom	7.6	0.4	280	16.4	16.4	8.2	8.2	31.2	31.2	96.0	96.1	7.8	7.8	4.5	4.7	4	5	91	91				<0.2	<0.2	0.6	0.6				
						7.6	0.4	275	16.4	16.4	8.2	8.2	31.1	31.1	96.1	96.1	7.8	7.8	4.7	4.7	5	5	91	91				<0.2	<0.2	0.6	0.6				
						7.6	0.4	275	16.4	16.6	8.2	8.2	31.3	31.3	94.6	94.6	7.6	7.6	5.0	5.2	3	3	85	87				<0.2	<0.2	0.6	0.6				
IM11	Cloudy	Rough	09:23	8.4	Surface	1.0	0.5	291	16.6	16.6	8.2	8.2	31.3	31.3	94.6	94.6	7.6	7.6	5.0	5.2	3	3	87	87	88	821517	810555	<0.2	<0.2	0.6	0.6				
						1.0	0.5	292	16.6	16.6	8.2	8.1	31.3	31.4	94.6	93.7	7.6	7.6	5.2	8.3	4	4	88	87				<0.2	<0.2	0.6	0.6				
					Middle	4.2	0.5	292	16.5	16.5	8.1	8.1	31.4	31.4	93.7	93.8	7.6	7.6	8.3	8.3	4	4	87	87				<0.2	<0.2	0.6	0.6				
						4.2	0.5	295	16.5	16.7	8.1	8.4	31.4	31.3	93.8	93.5	7.6	7.5	8.3	10.4	3	3	87	91				<0.2	<0.2	0.6	0.6				
					Bottom	7.4	0.5	261	16.7	16.7	8.4	8.4	31.3	31.4	93.6	93.3	7.5	7.5	10.4	10.6	3	2	91	91				<0.2	<0.2	0.6	0.6				
						7.4	0.4	254	16.7	16.3	8.4	8.2	31.4	31.4	93.3	93.3	7.5	7.5	10.6	10.6	2	2	91	91				<0.2	<0.2	0.6	0.6				
						7.4	0.4	254	16.7	16.3	8.4	8.2	31.4	31.4	93.3	93.3	7.5	7.5	10.6	10.6	2	2	91	91				<0.2	<0.2	0.6	0.6				
IM12	Cloudy	Rough	09:03	9.9	Surface	1.0	0.5	283	16.3	16.3	8.2	8.2	31.3	31.4	95.5	95.6	7.7	7.8	2.0	1.9	5	4	86	87	89	821180	811528	<0.2	<0.2	0.6	0.6				
						1.0	0.4	286	16.3	16.3	8.2	8.2	31.4	31.4	95.7	95.7	7.8	7.8	1.9	3.9	4	5	87	89				<0.2	<0.2	0.6	0.6				
					Middle	5.0	0.5	279	16.7	16.7	8.2	8.2	31.3	31.4	94.3	94.3	7.6	7.6	3.9	3.9	5	4	89	89				<0.2	<0.2	0.6	0.6				
						5.0	0.5	279	16.7	16.6	8.2	8.4	31.5	31.3	94.2	95.9	7.6	7.7	3.9	5.3	4	4	89	91				<0.2	<0.2	0.6	0.6				
					Bottom	8.9	0.5	296	16.6	16.6	8.4	8.4	31.3	31.3	95.9	95.6	7.7	7.7	5.3	5.6	4	4	91	90				<0.2	<0.2	0.6	0.6				
						8.9	0.5	289	16.6	16.6	8.4	8.4	31.3	31.3	95.6	95.6	7.7	7.7	5.6	5.6	4	4	90	90				<0.2	<0.2	0.6	0.6				
						8.9	0.5	289	16.6	16.5	8.3	8.3	30.6	30.7	89.3	89.5	7.2	7.3	4.5	4.3	4	5	-	-				-	-	<0.2	<0.2	0.6	0.6		
SR1A	Cloudy	Rough	08:26	4.9	Surface	1.0	0.0	196	16.5	16.5	8.3	8.3	30.6	30.7	89.3	89.5	7.2	7.3	4.5	4.3	4	5	-	-	-	819983	812649	-	-	-	-				
						1.0	0.0	190	16.5	16.5	8.3	8.3	30.7	30.7	89.7	89.7	7.3	7.3	4.3	4.3	5	5	-	-				-	-						
					Middle	2.5	0.0	208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						2.5	0.0	213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	3.9	0.1	185	16.3	16.3	8.2	8.2	30.8	30.7	91.7	91.8	7.5	7.5	1.3	1.2	5	6	-	-				-	-	-	-	-	-	-	-
						3.9	0.1	186	16.3	16.3	8.2	8.2	30.6	30.7	91.8	91.8	7.5	7.5	1.2	1.2	6	6	-	-				-	-	-	-	-	-	-	-
						3.9	0.1	186	16.3	16.3	8.2	8.2	30.6	30.7	91.8	91.8	7.5	7.5	1.2	1.2	6	6	-	-				-	-	-	-	-	-	-	
SR2	Cloudy	Rough	08:12	5.4	Surface	1.0	0.1	260	16.7	16.7	8.3	8.3	31.4	31.5	96.4	96.5	7.8	7.8	1.2	1.1	5	3	86	87	88	821453	814172	<0.2	<0.2	0.6	0.5				
						1.0	0.1	259	16.7	16.7	8.3	8.3	31.6	31.6	96.6	96.6	7.8	7.8	1.1	1.1	3	3	87	87				<0.2	<0.2	0.6	0.5				
					Middle	-	0.1	264	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						-	0.0	256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	4.4	0.1	270	16.3	16.3	8.3	8.3	31.6	31.6	95.0	94.9	7.7	7.7	1.7	1.7	5	5	-	-				89	89	<0.2	<0.2	0.6	0.6		
						4.4	0.0	263	16.3	16.3	8.3	8.3	31.5	31.5	94.8	94.8	7.7	7.7	1.8	1.8	5	5	-	-				90	90	<0.2	<0.2	0.6	0.5		
						4.4	0.0	263	16.3	16.3	8.3	8.3	31.5	31.5	94.8	94.8	7.7	7.7	1.8	1.8	5	5	-	-				90	90	<0.2	<0.2	0.6	0.5		
SR3	Cloudy	Rough	09:39	8.9	Surface	1.0	0.3	346	16.7	16.7	8.3	8.3	31.7	31.6	100.8	101.0	8.1	8.1	3.7	3.3	4	4	-	-	-	822131	807594	-	-	-	-				
						1.0	0.3	347	16.7	16.7	8.3	8.3	31.5	31.6	101.1	101.0	8.1	8.1	3.3	3.3	4	4	-	-				-	-						
					Middle	4.5	0.3	324	16.5	16.6	8.4	8.4	31.6	31.6	104.8	104.8	8.5	8.4	2.1	2.0	3	5	-	-				-	-	-	-	-	-		
						4.5	0.3	319	16.7	16.6	8.4	8.4	31.6	31.6	104.8	104.8	8.4	8.4	2.0	2.0	5	5	-	-				-	-	-	-	-			
					Bottom	7.9	0.3	346	16.9	16.9	8.2	8.2	31.8	32.0	101.7	101.6	8.1	8.1	1.3	1.4	3	2	-	-				-	-	-	-	-	-	-	
						7.9	0.3	347	16.9	16.9	8.2	8.2	32.1	32.1	101.5	101.5	8.1	8.1	1.4	1.4	2	2	-	-				-	-	-	-	-	-		
						7.9	0.3	347	16.9	16.9	8.2	8.2	32.1	32.1	101.5	101.5	8.1	8.1	1.4	1.4	2	2	-	-				-	-	-	-	-			
SR4A	Cloudy	Rough	07:48	8.6	Surface	1.0	0.0	226	16.9	16.8	8.2	8.2	30.9	30.9	103.1	103.1	8.3	8.3	4.2	4.4	4	3	-	-	-	817177	807803	-	-	-	-				
						1.0	0.0	219	16.6	16.2	8.1	8.1	30.8	31.1	103.1	101.5	8.3	8.3	4.4	4.1	3	3	-	-				-	-						
					Middle	4.3	0.0	219	16.3	16.2	8.1	8.1	31.1	31.1	101.6	101.3	8.3	8.3	4.1	4.5	3	3	-	-				-	-	-	-	-			
						4.3	-	222	16.1	16.3	8.1	8.1	31.1	31.1	101.3	101.3	8.3	8.3	4.5	6.2	3	2	-	-				-	-	-	-				
					Bottom	7.6	0.0	191	16.4	16.3	8.1	8.1	32.2	32.2	104.5	104.5	8.4	8.5	2	2	-	-	-	-				-	-	-	-	-			
						7.6	0.0	194	16.2	16.3	8.1	8.1	32.1	32.1	104.5	104.5	8.5	8.5	5.8	5.8	<2	<2	-	-				-	-	-	-				
						7.6	0.0	194	16.2	16.3	8.1	8.1	32.1	32.1	104.5	104.5	8.5	8.5	5.8	5.8	<2	<2	-	-				-	-	-	-				
SR8	Cloudy	Rough	08:53	5.5	Surface	1.0	-	-	16.5	16.5	8.3	8.3	31.2	31.2	92.8	93.0	7.5	7.5	2.0	2.0	3	3	-	-	-	820379	811626	-	-	-	-				
						1.0	-	-	16.5	16.5	8.3	8.3	31.1	31.2	93.2	93.0	7.5	7.																	

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

Water Quality Monitoring Results on 08 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Fine	Moderate	16:23	8.0	Surface	1.0	0.4	210	16.9	16.9	8.2	8.2	31.1	31.2	103.7	103.8	8.3	8.3	3.6	3.6	4	4	88	88	91	815644	804259	<0.2	<0.2	0.6	0.5
						1.0	0.4	214	16.8	8.2	8.2	31.2	31.2	103.8	103.8	8.3	8.3	3.6	3.6	4	4	88	88								
						4.0	0.3	225	17.4	8.1	8.1	32.3	32.3	107.0	106.8	8.4	8.4	9.3	9.3	5	5	91	91								
					Middle	4.0	0.3	226	17.4	8.1	8.1	32.3	32.3	106.6	106.6	8.4	8.4	9.5	9.5	5	5	92	92								
						7.0	0.4	187	17.1	8.4	8.4	32.7	32.7	105.3	105.3	8.3	8.3	7.6	7.6	6	6	93	93								
						7.0	0.3	188	17.4	8.4	8.4	32.4	32.4	105.3	105.2	8.3	8.3	8.0	8.0	6	6	93	93								
					Bottom	1.0	0.1	164	17.2	8.3	8.3	30.9	31.0	98.0	98.3	7.8	7.8	3.9	3.9	7	7	84	84								
						1.0	0.1	166	17.3	8.3	8.3	31.0	31.0	98.5	98.3	7.8	7.8	3.6	3.6	8	8	85	85								
						5.8	0.1	154	17.2	8.0	8.0	31.4	31.6	100.6	100.6	8.0	8.0	3.1	3.1	8	8	88	88								
Middle	5.8	0.1	150	17.5	8.0	8.0	31.8	31.6	100.5	100.5	7.9	7.9	3.2	3.2	7	7	88	88													
	10.5	0.1	192	17.5	8.1	8.1	31.6	31.7	103.7	103.6	8.2	8.2	3.0	3.0	7	7	92	92													
	10.5	0.1	198	17.4	8.1	8.1	31.7	31.7	103.5	103.6	8.2	8.2	3.0	3.0	6	6	91	91													
C2	Fine	Moderate	15:16	11.5	Surface	1.0	0.1	164	17.2	17.3	8.3	8.3	30.9	31.0	98.0	98.3	7.8	7.8	3.9	3.9	7	7	84	84	88	825674	806933	<0.2	<0.2	0.4	0.4
						1.0	0.1	166	17.3	8.3	8.3	31.0	31.0	98.5	98.3	7.8	7.8	3.6	3.6	8	8	85	85								
						5.8	0.1	154	17.2	8.0	8.0	31.4	31.6	100.6	100.6	8.0	8.0	3.1	3.1	8	8	88	88								
					Middle	5.8	0.1	150	17.5	8.0	8.0	31.8	31.6	100.5	100.5	7.9	7.9	3.2	3.2	7	7	88	88								
						10.5	0.1	192	17.5	8.1	8.1	31.6	31.7	103.7	103.6	8.2	8.2	3.0	3.0	7	7	92	92								
						10.5	0.1	198	17.4	8.1	8.1	31.7	31.7	103.5	103.6	8.2	8.2	3.0	3.0	6	6	91	91								
					Bottom	1.0	0.1	164	17.2	8.3	8.3	30.9	31.0	98.0	98.3	7.8	7.8	3.9	3.9	7	7	84	84								
						1.0	0.1	166	17.3	8.3	8.3	31.0	31.0	98.5	98.3	7.8	7.8	3.6	3.6	8	8	85	85								
						5.8	0.1	154	17.2	8.0	8.0	31.4	31.6	100.6	100.6	8.0	8.0	3.1	3.1	8	8	88	88								
C3	Fine	Moderate	16:17	10.7	Surface	1.0	0.4	83	17.1	17.3	8.2	8.2	31.4	31.5	93.1	93.4	7.5	7.5	1.2	1.2	4	4	89	89	91	822105	817782	<0.2	<0.2	0.5	0.4
						1.0	0.3	77	17.4	8.2	8.2	31.5	31.5	93.6	93.4	7.4	7.4	1.3	1.3	5	5	88	88								
						5.4	0.4	59	17.4	8.1	8.1	31.5	31.6	90.8	90.9	7.2	7.2	2.0	2.0	4	4	90	90								
					Middle	5.4	0.5	56	17.3	8.1	8.1	31.7	31.6	91.0	90.9	7.2	7.2	1.9	1.9	4	4	90	90								
						9.7	0.4	86	17.3	8.2	8.2	31.7	31.8	94.4	94.6	7.5	7.5	2.0	2.0	5	5	93	93								
						9.7	0.4	87	17.4	8.2	8.2	31.8	31.8	94.8	94.6	7.5	7.5	1.8	1.8	4	4	93	93								
					Bottom	1.0	0.1	196	16.4	16.5	8.3	8.3	31.3	31.5	104.4	104.2	8.5	8.5	2.5	2.5	7	7	88	88							
						1.0	0.1	190	16.6	16.5	8.3	8.3	31.7	31.5	103.9	104.2	8.4	8.4	2.8	2.8	7	7	87	87							
						3.2	0.2	173	16.7	16.8	8.0	8.0	32.0	32.2	102.9	102.8	8.2	8.2	5.4	5.4	5	5	87	87							
Middle	3.2	0.2	172	16.9	16.8	8.0	8.0	32.4	32.2	102.6	102.8	8.2	8.2	5.3	5.3	4	4	87	87												
	5.4	0.2	164	16.7	16.8	8.3	8.3	32.3	32.3	104.9	104.9	8.4	8.4	5.6	5.6	5	5	87	87												
	5.4	0.2	162	16.9	16.8	8.3	8.3	32.2	32.3	104.9	104.9	8.4	8.4	6.0	6.0	5	5	87	87												
IM1	Fine	Moderate	16:02	6.4	Surface	1.0	0.1	180	16.9	16.8	8.0	8.0	31.9	31.9	99.6	99.6	8.0	8.0	4.7	4.7	6	6	87	87	87	818337	806453	<0.2	<0.2	0.4	0.4
						1.0	0.1	173	16.7	16.8	8.0	8.0	31.8	31.8	99.6	99.6	8.0	8.0	5.1	5.1	5	5	87	87							
						3.4	0.1	203	17.0	16.9	8.1	8.1	32.1	32.2	103.5	103.6	8.2	8.2	5.7	5.7	4	4	91	91							
					Middle	3.4	0.1	208	16.7	16.9	8.1	8.1	32.3	32.2	103.7	103.6	8.3	8.3	5.8	5.8	5	5	92	92							
						5.8	0.2	164	16.8	16.9	8.0	8.0	32.0	32.1	104.0	104.0	8.3	8.3	5.7	5.7	7	7	92	92							
						5.8	0.2	163	16.9	16.8	8.0	8.0	32.2	32.1	103.9	104.0	8.3	8.3	6.0	6.0	7	7	93	93							
					Bottom	1.0	0.1	180	16.9	16.8	8.0	8.0	31.9	31.9	99.6	99.6	8.0	8.0	4.7	4.7	6	6	87	87							
						1.0	0.1	173	16.7	16.8	8.0	8.0	31.8	31.8	99.6	99.6	8.0	8.0	5.1	5.1	5	5	87	87							
						3.4	0.1	203	17.0	16.9	8.1	8.1	32.1	32.2	103.5	103.6	8.2	8.2	5.7	5.7	4	4	91	91							
Middle	3.4	0.1	208	16.7	16.9	8.1	8.1	32.3	32.2	103.7	103.6	8.3	8.3	5.8	5.8	5	5	92	92												
	5.8	0.2	164	16.8	16.9	8.0	8.0	32.0	32.1	104.0	104.0	8.3	8.3	5.7	5.7	7	7	92	92												
	5.8	0.2	163	16.9	16.8	8.0	8.0	32.2	32.1	103.9	104.0	8.3	8.3	6.0	6.0	7	7	93	93												
IM2	Fine	Moderate	15:55	6.8	Surface	1.0	0.1	180	16.9	16.8	8.0	8.0	31.9	31.9	99.6	99.6	8.0	8.0	4.7	4.7	6	6	87	87	90	819162	806250	<0.2	<0.2	0.4	0.4
						1.0	0.1	173	16.7	16.8	8.0	8.0	31.8	31.8	99.6	99.6	8.0	8.0	5.1	5.1	5	5	87	87							
						3.4	0.1	203	17.0	16.9	8.1	8.1	32.1	32.2	103.5	103.6	8.2	8.2	5.7	5.7	4	4	91	91							
					Middle	3.4	0.1	208	16.7	16.9	8.1	8.1	32.3	32.2	103.7	103.6	8.3	8.3	5.8	5.8	5	5	92	92							
						5.8	0.2	164	16.8	16.9	8.0	8.0	32.0	32.1	104.0	104.0	8.3	8.3	5.7	5.7	7	7	92	92							
						5.8	0.2	163	16.9	16.8	8.0	8.0	32.2	32.1	103.9	104.0	8.3	8.3	6.0	6.0	7	7	93	93							
					Bottom	1.0	0.1	180	16.9	16.8	8.0	8.0	31.9	31.9	99.6	99.6	8.0	8.0	4.7	4.7	6	6	87	87							
						1.0	0.1	173	16.7	16.8	8.0	8.0	31.8	31.8	99.6	99.6	8.0	8.0	5.1	5.1	5	5	87	87							
						3.4	0.1	203	17.0	16.9	8.1	8.1	32.1	32.2	103.5	103.6	8.2	8.2	5.7	5.7	4	4	91	91							
Middle	3.4	0.1	208	16.7	16.9	8.1	8.1	32.3	32.2	103.7	103.6	8.3	8.3	5.8	5.8	5	5	92	92												
	5.8	0.2	164	16.8	16.9	8.0	8.0	32.0	32.1	104.0	104.0	8.3	8.3	5.7	5.7	7	7	92	92												
	5.8	0.2	163	16.9	16.8	8.0	8.0	32.2	32.1	103.9	104.0	8.3	8.3	6.0	6.0	7	7	93	93												
IM7	Fine	Moderate	15:42	9.0	Surface	1.0	0.2	131	16.8	16.8	8.2	8.2	32.1	32.2	103.1	103.0	8.2	8.3	4.9	4.9	6	6	87	87	90	821321	806839	<0.2	<0.2	0.4	0.5
						1.0	0.2	136	16.7	16.8	8.2	8.2	32.2	32.2	102.8	103.0	8.2	8.3	4.9	4.9	6	6	87	87							
						4.5	0.2	140	17.1	16.9	8.3	8.3	31.9	32.0	105.9	105.7	8.4	8.5	3.1	3.1	8	8	90	90							
					Middle	4.5	0.2	142	16.7	16.9	8.3	8.3	32.0																		

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

Water Quality Monitoring Results on 08 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA							
IM10	Fine	Moderate	14:57	8.1	Surface	1.0	0.2	100	16.9	17.1	8.3	8.3	31.4	31.3	93.8	93.8	7.5	7.5	2.2	2.2	5	5	85	88	88	822235	809817	<0.2	<0.2	0.4	0.4								
						1.0	0.2	98	17.2	8.3	8.3	31.2	31.3	93.7	92.6	7.5	7.4	2.3	2.5	5	5	85	88	<0.2				<0.2	0.4	0.5									
						4.1	0.2	74	17.2	8.1	8.1	31.2	31.4	92.5	92.6	7.4	7.4	2.4	2.5	5	5	88	88	<0.2				<0.2	0.4	0.6									
					Middle	4.1	0.2	73	17.0	8.1	8.4	31.4	31.3	92.6	92.9	7.4	7.4	2.5	6.0	4	4	88	91	<0.2				<0.2	0.4	0.6									
						7.1	0.2	98	17.0	8.4	8.4	31.2	31.3	92.9	92.1	7.4	7.6	2.5	4	4	88	91	<0.2	<0.2				0.4	0.6										
						7.1	0.2	101	16.9	8.4	8.4	31.4	31.3	91.2	91.2	7.7	7.6	6.1	4	4	91	91	<0.2	<0.2				0.4	0.6										
					IM11	Fine	Moderate	15:07	8.7	Surface	1.0	0.2	92	17.1	17.1	8.3	8.3	31.5	31.5	91.6	91.8	7.3	7.3	1.8				2.0	2	3	86	87	89	821528	810544	<0.2	<0.2	0.5	0.5
											1.0	0.2	85	17.1	8.3	8.4	31.6	31.6	92.0	92.2	7.3	7.3	2.0	2.2				4	4	87	89	<0.2				<0.2	0.5	0.5	
											4.4	0.2	94	17.1	8.4	8.4	31.6	31.5	92.0	92.4	7.3	7.4	2.2	2.5				5	4	89	89	<0.2				<0.2	0.4	0.4	
Middle	4.4	0.2	87	17.0						8.4	8.4	31.5	31.4	92.4	93.6	7.4	7.5	2.5	4.0	5	5	89	91	<0.2	<0.2	0.5	0.5												
	7.7	0.3	82	17.0						8.4	8.4	31.3	31.5	93.6	93.7	7.5	7.5	4.0	4.2	5	6	91	90	<0.2	<0.2	0.4	0.4												
	7.7	0.3	76	16.9						8.4	8.4	31.5	31.4	93.7	93.7	7.5	7.5	4.2	4.2	6	6	90	90	<0.2	<0.2	0.4	0.4												
IM12	Fine	Moderate	15:13	8.3						Surface	1.0	0.3	98	17.1	17.3	8.2	8.2	31.3	31.4	92.1	92.4	7.4	7.3	2.4	2.5	4	4	85	87	88	821181	811529				<0.2	<0.2	0.5	0.4
											1.0	0.2	98	17.4	8.2	8.3	31.5	31.6	92.6	90.8	7.3	7.2	2.5	1.6	5	5	87	88	<0.2							<0.2	0.5	0.5	
											4.2	0.3	84	17.4	8.3	8.3	31.5	31.6	90.6	90.9	7.2	7.3	1.6	1.5	6	6	88	87	<0.2							<0.2	0.5	0.4	
					Middle	4.2	0.3	86	17.0	8.3	8.3	31.6	31.4	90.9	95.3	7.3	7.6	1.5	2.6	5	5	87	91	<0.2	<0.2	0.5	0.4												
						7.3	0.3	70	17.0	8.3	8.3	31.4	31.5	95.3	95.4	7.6	7.6	2.6	2.6	6	6	91	91	<0.2	<0.2	0.4	0.4												
						7.3	0.3	67	17.1	8.3	8.3	31.6	31.6	95.4	95.4	7.6	7.6	2.6	2.6	6	6	91	91	<0.2	<0.2	0.4	0.4												
					SR1A	Fine	Moderate	15:44	5.6	Surface	1.0	0.0	79	16.9	16.7	8.3	8.3	30.6	30.6	93.2	93.3	7.5	7.5	4.0	4.0	8	-	-	-				-	819978	812658	-	-	-	-
											1.0	0.0	84	16.5	8.3	8.3	30.6	30.6	93.3	93.3	7.6	7.6	3.8	3.8	7	-	-	-	-							-	-		
											2.8	0.0	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
Middle	2.8	0.0	56	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	4.6	0.0	77	16.5						8.3	8.3	30.6	30.7	91.2	91.5	7.4	7.4	3.5	3.3	9	9	-	-	-	-	-	-	-	-	-	-								
	4.6	0.0	74	17.0						8.3	8.3	30.7	30.7	91.7	91.7	7.4	7.4	3.3	3.3	9	9	-	-	-	-	-	-	-	-	-	-								
SR2	Fine	Moderate	15:57	3.9						Surface	1.0	0.3	68	17.4	17.4	8.3	8.3	31.6	31.6	93.8	93.9	7.4	7.5	1.7	1.5	7	8	87	87	90	821461	814152				<0.2	<0.2	0.5	0.5
											1.0	0.3	70	17.3	8.3	8.3	31.5	31.6	94.0	94.0	7.5	7.5	1.5	1.5	8	8	87	87	<0.2							<0.2	0.5	0.5	
											-	0.3	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
					Middle	-	0.3	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-				
						2.9	0.3	71	17.3	8.2	8.2	31.6	31.6	95.7	95.6	7.6	7.6	2.0	2.0	9	9	-	-	-	-	-	-	-	-				-	-					
						2.9	0.2	76	16.9	8.2	8.2	31.6	31.6	95.5	95.5	7.6	7.6	2.1	2.1	8	8	-	-	-	-	-	-	-	-				-	-					
					SR3	Fine	Moderate	15:36	9.8	Surface	1.0	0.2	126	17.0	17.0	8.2	8.2	31.7	31.6	100.5	100.6	8.0	8.0	3.8	4.1	10	9	-	-				-	822128	807576	-	-	-	-
											1.0	0.2	130	17.0	8.2	8.2	31.5	31.7	100.6	104.1	8.0	8.4	4.1	3.3	10	10	-	-	-							-			
											4.9	0.1	148	16.8	8.2	8.2	31.8	31.7	104.3	103.9	8.4	8.3	3.3	3.3	10	10	-	-	-							-			
Middle	4.9	0.1	151	16.8						8.2	8.2	31.6	31.7	103.9	101.3	8.3	8.1	3.3	3.3	10	10	-	-	-	-														
	8.8	0.2	114	16.8						8.2	8.2	31.7	31.7	101.2	101.3	8.1	8.1	5.4	5.4	11	11	-	-	-	-														
	8.8	0.3	114	16.8						8.2	8.2	31.6	31.6	101.4	101.4	8.1	8.1	5.6	5.6	10	10	-	-	-	-														
SR4A	Fine	Moderate	16:47	9.2						Surface	1.0	0.1	76	16.6	16.8	8.2	8.2	32.0	31.8	104.3	104.6	8.8	8.4	4.9	4.6	5	5	-	-	-	817177	807816				-	-	-	-
											1.0	0.1	80	17.0	8.2	8.1	31.6	31.9	104.8	105.2	8.4	8.5	4.6	3.3	5	6	-	-	-							-			
											4.6	0.0	70	16.4	8.1	8.1	31.8	31.9	104.9	105.2	8.5	8.5	3.3	3.3	6	4	-	-	-							-			
					Middle	4.6	0.0	71	16.6	8.1	8.1	31.9	32.2	105.2	101.1	8.5	8.1	3.3	5.4	4	7	-	-	-	-														
						8.2	0.0	86	16.5	8.1	8.1	32.2	32.3	101.1	101.2	8.1	8.1	5.4	5.2	7	8	-	-	-	-														
						8.2	0.0	79	16.6	8.1	8.1	32.4	32.4	101.2	101.2	8.1	8.1	5.2	5.2	8	8	-	-	-	-														
					SR8	Fine	Moderate	15:21	4.3	Surface	1.0	-	-	17.0	17.2	8.4	8.4	31.0	30.9	96.8	97.0	7.8	7.7	2.4	2.7	7	7	-	-				-	820386	811611	-	-	-	-
											1.0	-	-	17.3	8.4	8.4	30.8	30.9	97.1	97.0	7.7	7.7	2.7	2.7	7	7	-	-	-							-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
Bottom	3.3	-	-	17.3						17.2	8.2	8.2	31.4	31.3	93.4	93.3	7.4	7.4	2.0	2.0	9	9	-	-	-	-													
	3.3	-	-	17.1						17.2	8.2	8.2	31.2	31.3	93.2	93.3	7.4	7.4	1.8	1.8	11	11	-	-	-	-													
	3.3	-	-	17.1						17.2	8.2	8.2	31.2	31.3	93.2	93.3	7.4	7.4	1.8	1.8	11	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 08 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA							
C1	Fine	Moderate	09:30	8.6	Surface	1.0	0.2	40	16.8	16.8	8.0	8.0	31.4	31.4	108.0	108.1	8.7	8.6	5.7	7	7	86	88	815600	804255	<0.2	0.4	<0.2	0.4								
						1.0	0.2	43	16.8	8.0	8.0	31.4	31.4	108.1	108.1	8.7	8.6	6.0	7	7	86	88	<0.2			0.4											
						4.3	0.2	47	16.6	16.6	8.1	8.1	32.2	32.1	106.3	106.3	8.5	8.6	9.7	8	5	89	88			<0.2	0.4										
						4.3	0.2	44	16.5	8.1	8.1	32.0	32.0	106.2	106.2	8.5	8.6	10.2	3	5	89	88	<0.2			0.4											
					Bottom	7.6	0.2	5	16.9	16.8	8.4	8.4	32.4	32.4	104.4	104.6	8.3	8.4	9.7	4	5	88	88			<0.2	0.4										
						7.6	0.2	6	16.7	8.4	8.4	32.4	32.4	104.8	104.8	8.4	8.4	9.9	5	5	88	88	<0.2			0.4											
						C2	Fine	Moderate	10:59	10.4	Surface	1.0	0.3	334	16.9	16.8	8.1	8.1	30.9	30.9	99.7	99.8	8.0			8.1	4.6	6	5	86	87	825697	806942	<0.2	0.4	<0.2	0.4
												1.0	0.3	335	16.7	8.1	8.1	30.9	30.9	99.8	99.8	8.1	8.1			4.3	5	5	87	87	<0.2			0.4			
5.2	0.3	0	17.5	17.4	8.1							8.1	31.6	31.6	102.6	102.6	8.1	8.3	3.1	5	5	92	91	<0.2	0.4												
5.2	0.3	6	17.2	8.1	8.1							31.6	31.6	102.5	102.5	8.2	8.3	2.9	5	5	91	93	<0.2	0.6													
Bottom	9.4	0.3	358	17.9	17.8						8.2	8.2	31.9	31.8	106.0	105.9	8.3	8.3	4.2	3	3	93	93	<0.2	0.5												
	9.4	0.3	352	17.6	8.2						8.2	31.7	31.7	105.7	105.7	8.3	8.3	3.7	3	3	93	93	<0.2	0.5													
	C3	Fine	Moderate	08:30	11.1						Surface	1.0	0.2	283	17.1	17.1	8.2	8.2	31.6	31.6	94.7	94.6	7.5	7.4	1.6	4	4	87	88	822115	817788			<0.2	0.5	<0.2	0.4
												1.0	0.2	287	17.1	8.2	8.2	31.5	31.5	94.5	94.5	7.5	7.5	1.5	4	4	88	88	<0.2					0.5			
5.6						0.1	268	17.4	17.4	8.2		8.2	31.7	31.7	92.4	92.3	7.3	7.4	7.6	6	5	90	91	<0.2	0.4												
5.6						0.2	268	17.4	8.2	8.2		31.7	31.7	92.2	92.2	7.3	7.4	7.4	6	5	91	91	<0.2	0.4													
Bottom						10.1	0.2	256	17.4	17.4	8.2	8.2	31.8	31.8	94.6	94.4	7.5	7.5	8.8	6	6	92	92	<0.2	0.4												
						10.1	0.3	257	17.4	8.2	8.2	31.8	31.8	94.1	94.1	7.4	7.5	8.6	6	6	92	92	<0.2	0.4													
						IM1	Fine	Moderate	09:49	6.2	Surface	1.0	0.2	26	16.9	16.9	8.2	8.2	32.1	32.1	104.5	104.6	8.3	8.3	6.9	7	5	87	86			818359	806466	<0.2	0.4	<0.2	0.5
												1.0	0.1	22	16.9	8.2	8.2	32.1	32.1	104.7	104.7	8.4	8.3	7.1	6	5	86	87	<0.2					0.5			
3.1	0.1	19	17.0	16.8	8.3							8.3	32.6	32.4	103.7	103.9	8.2	8.3	6.2	4	5	88	88	<0.2	0.5												
3.1	0.0	21	16.6	8.3	8.3							32.2	32.2	104.0	104.0	8.3	8.3	6.7	4	5	88	88	<0.2	0.5													
Bottom	5.2	0.2	15	17.1	17.0						8.1	8.1	32.3	32.3	97.1	97.3	7.7	7.8	8.9	4	4	88	88	<0.2	0.4												
	5.2	0.1	21	16.8	8.1						8.1	32.2	32.2	97.5	97.5	7.8	7.8	8.8	5	5	88	88	<0.2	0.4													
	IM2	Fine	Moderate	09:57	7.4						Surface	1.0	0.1	359	16.5	16.7	8.3	8.3	31.7	31.7	101.2	101.2	8.2	8.1	5.1	4	4	86	86	819161	806246			<0.2	0.5	<0.2	0.4
												1.0	0.1	356	16.8	8.3	8.3	31.7	31.7	101.2	101.2	8.1	8.1	5.1	4	4	86	86	<0.2					0.5			
3.7						0.1	9	16.8	16.7	8.0		8.0	31.8	31.9	107.7	107.9	8.6	8.7	5.7	6	5	90	90	<0.2	0.4												
3.7						0.1	6	16.5	8.0	8.0		31.9	31.9	108.1	108.1	8.7	8.7	6.2	6	5	90	90	<0.2	0.5													
Bottom						6.4	0.1	6	16.7	16.7	8.4	8.4	32.0	32.2	100.8	100.8	8.1	8.1	8.6	6	6	90	90	<0.2	0.6												
						6.4	0.0	6	16.7	8.4	8.4	32.4	32.2	100.8	100.8	8.1	8.1	8.3	6	6	90	90	<0.2	0.6													
						IM7	Fine	Moderate	10:11	9.7	Surface	1.0	0.2	328	17.5	17.5	7.9	7.9	31.6	31.6	100.8	100.6	8.0	8.2	4.2	5	5	88	88			821359	806839	<0.2	0.5	<0.2	0.4
												1.0	0.2	330	17.5	7.9	7.9	31.6	31.6	100.4	100.4	7.9	8.2	3.9	5	5	88	88	<0.2					0.4			
4.9	0.2	325	17.1	17.0	8.3							8.3	31.8	31.9	104.7	104.7	8.3	8.4	2.3	6	5	90	90	<0.2	0.4												
4.9	0.1	328	16.9	8.3	8.3							31.9	31.9	104.7	104.7	8.4	8.4	2.5	5	5	90	90	<0.2	0.4													
Bottom	8.7	0.2	298	17.1	17.1						8.2	8.2	31.7	31.7	101.8	101.7	8.1	8.1	3.0	5	5	91	91	<0.2	0.4												
	8.7	0.2	293	17.1	8.2						8.2	31.9	31.9	101.5	101.5	8.1	8.1	3.3	6	6	92	92	<0.2	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 08 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
IM10	Fine	Moderate	09:52	8.5	Surface	1.0	0.3	293	17.0	17.0	8.3	8.3	31.2	31.3	92.4	92.4	7.7	7.6	2.2	2.8	5	6	85	87	87	822239	809828	<0.2	<0.2	0.4	0.5				
						1.0	0.2	297	17.0	8.3	8.3	31.3	31.3	92.3	94.9	7.4	7.6	2.4	2.2	4	7	85	87	<0.2				<0.2	0.5	0.6					
						4.3	0.3	262	17.0	8.2	8.2	31.1	31.1	94.7	94.9	7.6	7.6	2.2	2.7	7	7	87	87	<0.2				<0.2	0.5	0.5					
					4.3	0.3	265	17.0	8.2	8.2	31.1	31.1	95.0	94.9	7.6	7.6	2.2	2.7	7	7	87	87	<0.2	<0.2				0.5	0.5						
					7.5	0.3	275	16.6	8.2	8.2	31.4	31.3	92.9	92.9	7.5	7.5	3.7	3.7	8	8	90	90	<0.2	<0.2				0.5	0.5						
					7.5	0.4	278	16.6	8.2	8.2	31.2	31.3	92.8	92.9	7.5	7.5	3.6	3.6	7	7	89	89	<0.2	<0.2				0.5	0.5						
IM11	Fine	Moderate	09:42	8.3	Surface	1.0	0.3	268	17.2	17.2	8.1	8.1	31.3	31.3	94.7	94.9	7.5	7.4	5.6	8.6	4	3	85	88	88	821523	810549	<0.2	<0.2	0.5	0.5				
						1.0	0.4	265	17.2	8.1	8.1	31.3	31.4	95.0	91.6	7.6	7.3	5.6	8.4	4	3	85	89	<0.2				<0.2	0.5	0.6					
						4.2	0.4	268	16.9	8.2	8.2	31.4	31.4	91.5	91.6	7.3	7.3	8.6	8.4	3	3	88	89	<0.2				<0.2	0.4	0.4					
					4.2	0.4	269	16.9	8.2	8.2	31.4	31.4	91.7	91.6	7.3	7.3	8.4	8.4	3	3	89	89	<0.2	<0.2				0.4	0.4						
					7.3	0.4	268	17.0	8.3	8.3	31.2	31.3	94.2	94.3	7.5	7.5	11.9	11.5	3	3	89	90	<0.2	<0.2				0.4	0.5						
					7.3	0.4	273	17.0	8.3	8.3	31.4	31.3	94.3	94.3	7.5	7.5	11.5	11.5	3	3	90	90	<0.2	<0.2				0.4	0.5						
IM12	Fine	Moderate	09:35	9.2	Surface	1.0	0.4	284	16.9	16.9	8.4	8.4	31.4	31.3	96.1	95.9	7.7	7.5	2.0	3.7	4	4	83	83	88	821176	811531	<0.2	<0.2	0.6	0.5				
						1.0	0.4	279	16.9	8.4	8.4	31.2	31.4	95.7	91.4	7.7	7.3	1.9	3.2	4	3	83	89	<0.2				<0.2	0.5	0.4					
						4.6	0.4	263	17.1	8.4	8.4	31.4	31.4	91.5	91.4	7.3	7.3	3.2	3.4	4	3	89	90	<0.2				<0.2	0.4	0.5					
					4.6	0.4	267	17.1	8.4	8.2	31.3	31.5	91.3	93.8	7.3	7.5	3.4	6.0	3	3	90	91	<0.2	<0.2				0.5	0.5						
					8.2	0.3	277	16.9	8.2	8.2	31.4	31.5	93.7	93.8	7.5	7.5	6.0	5.9	3	4	91	92	<0.2	<0.2				0.5	0.5						
					8.2	0.3	280	16.9	8.2	8.2	31.5	31.5	93.8	93.8	7.5	7.5	5.9	4	4	4	92	92	<0.2	<0.2				0.5	0.5						
SR1A	Fine	Moderate	09:04	5.1	Surface	1.0	0.1	175	16.8	16.8	8.2	8.2	30.7	30.7	94.1	94.3	7.6	7.6	5.1	2.6	5	4	-	-	-	819976	812660	-	-	-	-				
						1.0	-	177	16.8	8.2	8.2	30.6	30.7	94.4	94.3	7.6	7.6	3.9	4	4	4	-	-	-				-							
						2.6	0.0	189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					2.6	0.0	182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					4.1	-	191	16.8	8.1	8.1	30.7	30.7	94.3	94.4	7.6	7.6	1.3	1.2	4	4	-	-	-	-				-	-	-	-	-	-	-	
					4.1	0.1	189	16.8	8.1	8.1	30.6	30.7	94.4	94.4	7.6	7.6	1.2	1.2	4	4	-	-	-	-				-	-	-	-	-	-	-	-
SR2	Fine	Moderate	08:50	4.7	Surface	1.0	0.0	245	17.2	17.2	8.3	8.3	31.5	31.5	97.6	97.5	7.8	7.8	1.2	1.5	6	5	89	89	90	821448	814145	<0.2	<0.2	0.5	0.4				
						1.0	0.0	247	17.2	8.3	8.3	31.5	31.5	97.3	97.5	7.7	7.7	1.1	1.1	6	5	89	89	<0.2				<0.2	0.4	0.4					
						-	0.1	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					-	0.1	235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	
					3.7	0.1	249	16.8	8.2	8.2	31.6	31.5	96.8	96.7	7.8	7.8	1.7	1.7	3	3	90	90	<0.2	<0.2				0.5	0.5						
					3.7	0.1	250	16.8	8.2	8.2	31.4	31.4	96.6	96.6	7.8	7.8	1.8	1.8	4	4	90	90	<0.2	<0.2				0.4	0.4						
SR3	Fine	Moderate	10:30	12.2	Surface	1.0	0.2	333	17.3	17.3	8.3	8.3	31.6	31.6	102.1	102.2	8.1	8.2	3.9	2.5	3	3	-	-	-	822125	807552	-	-	-	-				
						1.0	0.2	340	17.2	8.3	8.3	31.5	31.6	102.2	104.8	8.1	8.3	4.1	2.1	3	4	-	-	-				-							
						6.1	0.2	327	17.1	8.3	8.3	31.8	31.7	104.8	104.8	8.3	8.3	2.1	2.0	4	3	-	-	-				-							
					6.1	0.2	322	17.1	8.3	8.3	31.6	31.8	104.7	104.8	8.3	8.3	2.0	2.0	3	3	-	-	-	-											
					11.2	0.2	332	17.3	8.1	8.1	31.8	31.9	101.2	101.5	8.0	8.0	1.3	1.4	3	3	-	-	-	-											
					11.2	0.3	330	17.4	8.1	8.1	32.0	31.9	101.7	101.7	8.0	8.0	1.4	1.4	3	3	-	-	-	-											
SR4A	Fine	Moderate	09:05	9.4	Surface	1.0	0.0	198	17.1	17.2	8.1	8.1	31.0	30.9	103.6	103.7	8.3	8.1	4.0	5.4	4	5	-	-	-	817177	807803	-	-	-	-				
						1.0	0.1	193	17.2	8.1	8.1	30.7	31.2	103.7	97.4	8.3	7.9	3.8	5.4	5	4	-	-	-				-							
						4.7	0.0	213	16.5	8.1	8.1	31.2	31.1	97.3	97.4	7.9	7.9	5.4	5.8	5	4	-	-	-				-							
					4.7	0.0	220	16.6	8.1	8.1	31.1	32.2	97.4	101.1	7.9	8.1	5.8	6.6	4	5	-	-	-	-											
					8.4	0.1	208	16.9	8.1	8.1	32.2	32.2	101.1	101.0	8.1	8.1	6.6	6.5	5	4	-	-	-	-											
					8.4	0.0	210	16.8	8.1	8.1	32.1	31.2	100.8	94.8	8.1	7.6	6.5	6.5	4	4	-	-	-	-											
SR8	Fine	Moderate	09:27	5.2	Surface	1.0	-	-	16.9	16.9	8.3	8.3	31.1	31.2	93.8	93.8	7.5	7.5	2.3	2.7	5	5	-	-	-	820385	811623	-	-	-	-				
						1.0	-	-	16.9	16.9	8.3	8.3	31.3	31.2	93.7	94.8	7.5	7.6	2.0	3.2	5	4	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					4.2	-	-	16.8	16.8	8.3	8.3	31.2	31.2	94.9	94.8	7.6	7.6	3.2	3.3	5	4	-	-												
					4.2	-	-	16.8	16.8	8.3	8.3	31.1	31.2	94.6	94.8	7.6	7.6	3.3	3.3	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 10 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
C1	Cloudy	Moderate	17:57	8.2	Surface	1.0	0.3	210	17.4	8.1	8.1	27.9	27.9	120.9	120.8	9.8	9.7	7.8	9.8	2	2	46	48	815621	804257	<0.2	<0.2	1.2	1.2					
						1.0	0.4	203	17.3	8.1	8.1	27.9	27.9	120.7	120.7	9.8	9.7	8.4	9.7	2	2	47	47	46	48	<0.2	<0.2	1.2	1.2					
						4.1	0.3	226	17.2	8.1	8.1	28.6	28.6	116.4	116.5	9.5	9.5	10.3	9.8	3	3	48	47	48	48	<0.2	<0.2	1.3	1.1					
					Middle	4.1	0.3	226	17.3	8.1	8.1	28.6	28.6	116.5	116.5	9.5	9.5	10.5	9.5	2	2	47	47	47	48	<0.2	<0.2	1.1	1.1					
						7.2	0.4	200	17.5	8.1	8.1	29.0	29.0	117.8	117.8	9.5	9.5	11.3	9.5	3	3	50	50	50	48	<0.2	<0.2	1.1	1.1					
						7.2	0.3	205	17.5	8.1	8.1	28.9	28.9	118.0	118.0	9.5	9.5	10.8	9.5	3	3	51	51	51	48	<0.2	<0.2	1.1	1.1					
					C2	Cloudy	Moderate	16:50	11.6	Surface	1.0	0.2	180	17.8	8.1	8.1	26.6	26.6	117.0	117.0	9.5	9.3	5.8	9.3	3	3	45	48	825672	806955	<0.2	<0.2	1.4	1.3
											1.0	0.2	175	17.8	8.1	8.1	26.6	26.6	116.9	116.9	9.5	9.3	5.8	9.3	2	2	46	48	46	48	<0.2	<0.2	1.3	1.3
											5.8	0.2	170	17.7	8.1	8.1	27.7	27.7	112.2	112.3	9.1	9.1	5.8	9.1	3	3	48	47	48	48	<0.2	<0.2	1.4	1.3
Middle	5.8	0.2	171	17.7						8.1	8.1	27.6	27.6	112.3	112.3	9.1	9.1	5.9	9.1	3	3	47	47	47	48	<0.2	<0.2	1.3	1.3					
	10.6	0.2	190	17.8						8.1	8.0	28.7	28.7	113.9	114.2	9.2	9.2	6.0	9.2	2	2	50	50	50	48	<0.2	<0.2	1.2	1.2					
	10.6	0.2	192	17.8						8.0	8.0	28.6	28.6	114.4	114.4	9.2	9.2	6.0	9.2	2	2	50	50	50	48	<0.2	<0.2	1.3	1.3					
C3	Cloudy	Moderate	18:18	11.6						Surface	1.0	0.3	71	17.8	8.1	8.1	29.0	29.0	115.5	115.4	9.2	9.1	1.2	9.1	2	2	47	48	822104	817810	<0.2	<0.2	1.1	1.2
											1.0	0.3	64	17.8	8.1	8.1	29.1	29.1	115.2	115.2	9.2	9.1	1.2	9.1	2	2	46	47	46	48	<0.2	<0.2	1.2	1.2
											5.8	0.3	74	17.2	8.0	8.0	30.0	30.0	111.4	111.3	8.9	8.9	1.2	8.9	3	3	47	47	47	48	<0.2	<0.2	1.1	1.1
					Middle	5.8	0.3	71	17.2	8.0	8.0	30.0	30.0	111.2	111.2	8.9	8.9	1.3	8.9	3	3	47	47	47	48	<0.2	<0.2	1.1	1.1					
						10.6	0.4	90	17.1	8.0	8.0	30.4	30.4	105.8	105.8	8.5	8.5	5.8	8.5	2	2	49	49	49	48	<0.2	<0.2	1.1	1.1					
						10.6	0.4	88	17.1	8.0	8.0	30.3	30.3	105.7	105.7	8.5	8.5	6.5	8.5	3	3	50	50	50	48	<0.2	<0.2	1.2	1.2					
					IM1	Cloudy	Moderate	17:38	7.4	Surface	1.0	0.2	204	17.6	8.1	8.1	27.6	27.6	117.1	117.1	9.5	9.5	11.3	9.5	<2	<2	45	48	818336	806481	<0.2	<0.2	1.2	1.3
											1.0	0.2	210	17.6	8.1	8.1	27.6	27.6	117.0	117.0	9.5	9.5	11.7	9.5	<2	<2	46	48	46	48	<0.2	<0.2	1.3	1.3
											3.7	0.2	187	17.4	8.1	8.1	28.1	28.1	116.2	116.2	9.4	9.4	8.4	9.4	2	2	48	49	48	48	<0.2	<0.2	1.2	1.2
Middle	3.7	0.3	187	17.4						8.1	8.1	28.1	28.1	116.1	116.1	9.4	9.4	8.9	9.4	2	2	49	49	49	48	<0.2	<0.2	1.3	1.3					
	6.4	0.2	186	17.6						8.0	8.0	28.9	28.9	115.4	115.4	9.3	9.3	8.9	9.3	2	2	50	50	50	48	<0.2	<0.2	1.3	1.3					
	6.4	0.3	180	17.6						8.0	8.0	28.8	28.8	115.3	115.3	9.3	9.3	8.9	9.3	2	2	49	49	49	48	<0.2	<0.2	1.3	1.3					
IM2	Cloudy	Moderate	17:33	6.6						Surface	1.0	0.2	194	17.5	8.1	8.1	27.9	27.9	117.2	117.1	9.5	9.5	7.4	9.5	4	4	46	48	819175	806215	<0.2	<0.2	1.3	1.2
											1.0	0.3	188	17.5	8.1	8.1	27.9	27.9	117.0	117.0	9.5	9.5	7.5	9.5	4	4	46	48	46	48	<0.2	<0.2	1.2	1.2
											3.3	0.2	208	17.4	8.1	8.1	28.4	28.4	116.3	116.4	9.4	9.4	9.7	9.4	3	3	47	47	47	48	<0.2	<0.2	1.2	1.1
					Middle	3.3	0.2	209	17.4	8.1	8.1	28.4	28.4	116.5	116.5	9.5	9.5	9.9	9.5	3	3	49	49	49	48	<0.2	<0.2	1.1	1.1					
						5.6	0.2	182	17.7	8.1	8.1	28.7	28.7	118.2	118.3	9.5	9.5	10.5	9.5	3	3	50	50	50	48	<0.2	<0.2	1.4	1.4					
						5.6	0.2	189	17.8	8.1	8.1	28.7	28.7	118.4	118.4	9.5	9.5	10.5	9.5	2	2	49	49	49	48	<0.2	<0.2	1.4	1.4					
					IM7	Cloudy	Moderate	17:15	8.2	Surface	1.0	0.2	142	17.7	8.1	8.1	27.2	27.2	118.7	118.7	9.7	9.6	5.8	9.6	<2	<2	47	48	821339	806845	<0.2	<0.2	1.1	1.2
											1.0	0.2	139	17.7	8.1	8.1	27.2	27.2	118.6	118.6	9.6	9.6	5.8	9.6	<2	<2	47	47	46	48	<0.2	<0.2	1.2	1.2
											4.1	0.2	147	17.6	8.1	8.1	27.3	27.3	117.2	117.2	9.5	9.5	6.2	9.5	2	2	47	47	47	48	<0.2	<0.2	1.3	1.3
Middle	4.1	0.1	146	17.6						8.1	8.1	27.3	27.3	117.1	117.1	9.5	9.5	6.2	9.5	<2	<2	48	48	48	48	<0.2	<0.2	1.2	1.2					
	7.2	0.1	147	17.9						8.1	8.1	28.4	28.4	116.4	116.4	9.4	9.4	6.4	9.4	2	2	49	49	49	48	<0.2	<0.2	1.1	1.1					
	7.2	0.1	153	17.9						8.1	8.1	28.3	28.3	116.6	116.6	9.4	9.4	6.4	9.4	2	2	50	50	50	48	<0.2	<0.2	1.2	1.2					

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM10	Cloudy	Moderate	16:50	7.6	Surface	1.0	0.3	116	18.2	18.3	8.1	8.1	25.5	25.5	118.0	118.0	9.5	9.5	0.7	0.7	<2	<2	45	46	<0.2	<0.2	1.3	1.2					
						1.0	0.2	122	18.3	8.1	8.1	25.5	25.5	118.0	118.0	9.5	9.5	0.7	0.7	<2	<2	46	46	<0.2	<0.2	1.1	1.2						
						3.8	0.3	116	18.1	18.1	8.1	8.1	26.5	26.5	117.1	117.0	9.4	9.4	0.6	0.6	<2	<2	48	48	<0.2	<0.2	1.2	1.2					
					Middle	3.8	0.2	117	18.1	17.8	8.0	8.0	26.5	26.5	116.8	116.8	9.4	9.4	0.6	0.6	<2	<2	3	3	50	50	<0.2	<0.2	1.2	1.2			
						6.6	0.2	116	17.8	17.8	8.0	8.0	27.8	27.8	107.1	107.1	8.6	8.6	1.2	1.2	3	3	50	50	<0.2	<0.2	1.2	1.2					
						6.6	0.3	118	17.8	17.8	8.0	8.0	27.8	27.8	107.0	107.0	8.6	8.6	1.3	1.3	3	3	49	49	<0.2	<0.2	1.2	1.2					
					IM11	Cloudy	Moderate	17:06	8.2	Surface	1.0	0.4	82	18.2	18.2	8.1	8.1	25.6	25.6	118.7	118.7	9.6	9.6	0.8	0.8	<2	<2	46	46	<0.2	<0.2	1.2	1.2
											1.0	0.3	78	18.2	18.2	8.1	8.1	25.7	25.7	118.7	118.7	9.6	9.6	0.8	0.8	<2	<2	46	46	<0.2	<0.2	1.0	1.2
											4.1	0.3	79	17.6	17.6	8.0	8.0	28.3	28.3	111.0	111.0	8.9	8.9	1.0	1.0	3	3	48	48	<0.2	<0.2	1.1	1.2
Middle	4.1	0.3	73	17.6						17.6	8.0	8.0	28.3	28.3	110.9	110.9	8.9	8.9	1.0	1.0	3	3	48	48	<0.2	<0.2	1.1	1.2					
	7.2	0.3	106	17.6						17.6	8.0	8.0	28.4	28.4	108.6	108.6	8.7	8.7	0.9	0.9	2	2	49	49	<0.2	<0.2	1.2	1.2					
	7.2	0.3	101	17.6						17.6	8.0	8.0	28.4	28.4	108.6	108.6	8.7	8.7	0.9	0.9	3	3	50	50	<0.2	<0.2	1.2	1.2					
IM12	Cloudy	Moderate	17:13	8.5						Surface	1.0	0.4	90	18.0	18.0	8.1	8.1	27.1	27.1	118.5	118.4	9.6	9.6	1.3	1.3	2	2	45	46	<0.2	<0.2	1.2	1.0
											1.0	0.4	90	18.0	18.0	8.1	8.1	27.1	27.1	118.3	118.3	9.5	9.5	1.3	1.3	<2	<2	47	47	<0.2	<0.2	1.4	1.2
											4.3	0.4	96	17.6	17.6	8.0	8.0	28.5	28.5	114.5	114.5	9.2	9.2	1.0	1.0	<2	<2	47	48	<0.2	<0.2	1.4	1.2
					Middle	4.3	0.4	92	17.6	17.6	8.0	8.0	28.5	28.5	114.4	114.4	9.2	9.2	1.1	1.1	<2	<2	48	49	<0.2	<0.2	1.2	1.2					
						7.5	0.4	87	17.6	17.6	8.0	8.0	28.5	28.5	113.5	113.4	9.1	9.1	1.8	1.8	<2	<2	49	49	<0.2	<0.2	1.2	1.2					
						7.5	0.4	83	17.6	17.6	8.0	8.0	28.5	28.5	113.3	113.3	9.1	9.1	2.0	2.0	2	2	48	48	<0.2	<0.2	1.3	1.3					
					SR1A	Cloudy	Moderate	17:44	5.4	Surface	1.0	0.0	89	18.1	18.1	8.1	8.1	26.8	26.8	116.3	116.3	9.4	9.4	0.9	0.9	3	3	-	-	-	-	-	-
											1.0	0.0	92	18.1	18.1	8.1	8.1	26.9	26.9	116.2	116.2	9.4	9.4	0.9	0.9	2	2	-	-	-	-	-	-
											2.7	0.0	82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	2.7	0.0	78	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	4.4	0.0	111	17.9						17.9	8.1	8.1	27.7	27.7	115.1	115.1	9.3	9.3	1.1	1.1	2	2	-	-	-	-	-	-	-	-			
	4.4	0.0	112	17.9						17.9	8.1	8.1	27.7	27.7	115.0	115.0	9.3	9.3	1.1	1.1	3	3	-	-	-	-	-	-	-	-			
SR2	Cloudy	Moderate	17:58	4.2						Surface	1.0	0.3	47	18.5	18.5	8.1	8.1	27.5	27.5	120.6	120.6	9.6	9.6	0.6	0.6	2	2	48	47	<0.2	<0.2	1.2	1.4
											1.0	0.3	39	18.4	18.4	8.1	8.1	27.6	27.6	120.5	120.5	9.6	9.6	0.6	0.6	<2	<2	47	47	<0.2	<0.2	1.4	1.3
											-	0.3	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	0.3	58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.2	0.3	37	17.7	17.7	8.1	8.1	28.5	28.5	117.8	117.7	9.5	9.5	1.6	1.6	3	3	50	50	<0.2	<0.2	1.2	1.2					
						3.2	0.3	33	17.7	17.7	8.1	8.1	28.5	28.5	117.6	117.6	9.5	9.5	1.7	1.7	2	2	50	50	<0.2	<0.2	1.3	1.3					
					SR3	Cloudy	Moderate	17:08	8.7	Surface	1.0	0.3	164	17.7	17.7	8.1	8.1	26.6	26.7	115.4	115.3	9.4	9.4	6.0	6.0	3	3	-	-	-	-	-	-
											1.0	0.2	168	17.7	17.7	8.1	8.1	26.7	26.7	115.1	115.1	9.4	9.4	6.0	6.0	2	2	-	-	-	-	-	-
											4.4	0.3	173	17.6	17.6	8.1	8.1	27.1	27.1	114.8	114.8	9.4	9.4	6.6	6.6	3	3	-	-	-	-	-	-
Middle	4.4	0.3	168	17.6						17.6	8.1	8.1	27.1	27.1	114.8	114.8	9.4	9.4	6.6	6.6	2	2	-	-	-	-	-	-	-				
	7.7	0.3	165	17.8						17.9	8.1	8.1	28.2	28.2	114.9	114.9	9.3	9.3	6.9	6.9	3	3	-	-	-	-	-	-					
	7.7	0.3	157	17.9						17.9	8.1	8.1	28.1	28.1	114.9	114.9	9.3	9.3	6.9	6.9	2	2	-	-	-	-	-	-					
SR4A	Cloudy	Moderate	18:27	8.9						Surface	1.0	0.0	76	17.4	17.4	8.1	8.1	27.2	27.2	120.0	120.0	9.8	9.8	7.3	7.3	2	2	-	-	-	-	-	-
											1.0	0.1	75	17.4	17.4	8.1	8.1	27.2	27.2	120.0	120.0	9.8	9.8	7.4	7.4	2	2	-	-	-	-	-	-
											4.5	0.0	65	17.4	17.4	8.1	8.1	29.0	29.0	120.6	120.7	9.8	9.8	8.3	8.3	2	2	-	-	-	-	-	-
					Middle	4.5	0.1	64	17.4	17.4	8.1	8.1	29.0	29.0	120.8	120.8	9.8	9.8	8.2	8.2	2	2	-	-	-	-	-	-					
						7.9	0.0	68	17.5	17.5	8.1	8.1	29.5	29.5	121.0	121.1	9.7	9.7	8.5	8.5	<2	<2	-	-	-	-	-	-					
						7.9	0.1	72	17.5	17.5	8.1	8.1	29.5	29.5	121.1	121.1	9.7	9.7	8.5	8.5	<2	<2	-	-	-	-	-	-					
					SR8	Cloudy	Moderate	17:21	4.2	Surface	1.0	-	-	18.3	18.3	8.1	8.1	25.9	25.9	118.7	118.7	9.6	9.6	1.1	1.1	2	2	-	-	-	-	-	-
											1.0	-	-	18.3	18.3	8.1	8.1	26.0	26.0	118.6	118.6	9.6	9.6	1.1	1.1	2	2	-	-	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.2	-	-	17.8						17.8	8.1	8.1	27.6	27.6	115.9	115.9	9.3	9.3	1.3	1.3	3	3	-	-	-	-	-	-					
	3.2	-	-	17.8						17.8	8.1	8.1	27.7	27.7	115.9	115.9	9.3	9.3	1.4	1.4	2	2	-	-	-	-	-	-					

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

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Water Quality Monitoring

Water Quality Monitoring Results on 10 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	10:33	8.2	Surface	1.0	0.2	35	17.1	17.1	8.1	8.1	28.0	28.0	104.7	104.6	8.6	8.6	7.9	8.9	2	2	46	48	815617	804223	<0.2	<0.2	1.1	1.1
						1.0	0.2	29	17.0	8.1	8.1	27.9	28.1	104.5	105.2	8.6	8.6	8.1	8.9	<2	<2	46	48	<0.2	<0.2	1.2	1.2			
						4.1	0.2	48	17.0	8.1	8.1	28.1	28.1	105.0	105.3	8.6	8.6	9.1	8.9	<2	<2	49	48	<0.2	<0.2	1.2	1.1			
					Middle	4.1	0.2	51	17.0	8.1	8.1	28.1	28.1	105.3	105.3	8.6	8.6	9.3	8.9	<2	<2	48	48	<0.2	<0.2	1.1	1.1			
						7.2	0.2	12	16.8	8.1	8.1	29.5	29.5	105.8	105.9	8.6	8.7	9.7	8.7	<2	<2	50	50	<0.2	<0.2	1.1	1.1			
						7.2	0.2	19	16.7	8.1	8.1	29.5	29.5	105.9	105.9	8.7	8.7	9.7	8.7	<2	<2	50	50	<0.2	<0.2	1.1	1.1			
C2	Sunny	Moderate	11:47	11.6	Surface	1.0	0.2	345	17.5	17.5	8.0	8.0	26.3	26.3	110.6	110.6	9.1	9.1	5.8	5.8	<2	<2	46	48	825676	806956	<0.2	<0.2	1.3	1.3
						1.0	0.2	339	17.5	8.0	8.0	26.3	27.1	110.5	110.8	9.1	9.0	5.7	5.8	<2	<2	46	48	<0.2	<0.2	1.3	1.3			
						5.8	0.2	340	17.6	8.0	8.0	27.1	27.1	110.8	110.9	9.0	9.0	5.8	5.8	2	2	48	49	<0.2	<0.2	1.3	1.3			
					Middle	5.8	0.2	338	17.7	8.0	8.0	27.1	28.6	110.9	111.8	9.0	9.1	5.8	5.8	3	2	49	50	<0.2	<0.2	1.2	1.2			
						10.6	0.2	349	17.8	8.0	8.0	28.6	28.6	111.8	112.2	9.0	9.1	6.1	6.1	3	3	50	51	<0.2	<0.2	1.2	1.3			
						10.6	0.2	351	17.8	8.0	8.0	28.6	28.6	112.6	112.6	9.1	9.1	6.1	6.1	3	3	51	51	<0.2	<0.2	1.3	1.3			
C3	Sunny	Moderate	10:15	11.4	Surface	1.0	0.2	252	17.5	17.5	8.0	8.0	28.0	28.0	112.7	112.7	9.1	9.1	9.4	5.1	3	2	48	48	822114	817817	<0.2	<0.2	1.4	1.4
						1.0	0.2	258	17.5	8.0	8.0	28.1	28.7	112.6	110.8	9.1	8.9	9.4	5.1	2	2	47	48	<0.2	<0.2	1.3	1.3			
						5.7	0.3	280	17.5	8.0	8.0	28.7	28.8	110.8	110.7	8.9	8.9	3.8	3.7	2	2	48	49	<0.2	<0.2	1.3	1.3			
					Middle	5.7	0.3	286	17.4	8.0	8.0	28.8	30.1	110.7	103.8	8.9	8.4	3.7	2.0	2	2	49	47	<0.2	<0.2	1.4	1.1			
						10.4	0.3	247	17.1	8.0	8.0	30.1	30.1	110.7	103.7	8.9	8.3	3.7	2.0	2	2	47	48	<0.2	<0.2	1.1	1.2			
						10.4	0.4	250	17.1	8.0	8.0	30.1	30.1	103.7	103.7	8.3	8.4	2.1	2.1	2	2	48	48	<0.2	<0.2	1.2	1.2			
IM1	Sunny	Moderate	10:52	6.2	Surface	1.0	0.2	26	17.2	17.2	8.1	8.1	28.2	28.2	114.3	114.3	9.3	9.3	8.2	8.6	<2	<2	46	48	818327	806468	<0.2	<0.2	1.2	1.2
						1.0	0.2	32	17.2	8.1	8.1	28.2	28.6	114.2	113.7	9.3	9.3	8.2	8.6	<2	<2	47	47	<0.2	<0.2	1.1	1.1			
						3.1	0.2	31	17.2	8.1	8.1	28.6	28.6	113.7	113.7	9.3	9.3	9.3	8.6	<2	<2	47	49	<0.2	<0.2	1.2	1.2			
					Middle	3.1	0.1	36	17.2	8.1	8.1	28.6	29.1	113.7	113.6	9.3	9.3	9.6	8.0	2	2	49	50	<0.2	<0.2	1.2	1.2			
						5.2	0.1	33	17.1	8.1	8.1	29.1	29.1	113.6	113.5	9.3	9.3	8.0	8.0	3	2	50	50	<0.2	<0.2	1.2	1.1			
						5.2	0.1	35	17.1	8.1	8.1	29.1	29.1	113.4	113.4	9.2	9.2	8.0	8.0	2	2	50	50	<0.2	<0.2	1.1	1.1			
IM2	Sunny	Moderate	10:59	7.3	Surface	1.0	0.1	30	17.3	17.3	8.1	8.1	27.2	27.2	114.3	114.3	9.4	9.4	7.1	7.7	<2	<2	46	48	819182	806259	<0.2	<0.2	1.1	1.1
						1.0	0.1	29	17.3	8.1	8.1	27.2	27.6	114.2	114.3	9.4	9.4	7.3	7.7	<2	<2	46	48	<0.2	<0.2	1.2	1.1			
						3.7	0.1	33	17.3	8.1	8.1	27.6	27.6	114.3	114.4	9.4	9.4	7.7	7.7	<2	<2	48	49	<0.2	<0.2	1.1	1.2			
					Middle	3.7	0.1	26	17.3	8.1	8.1	27.6	28.9	114.5	116.2	9.4	9.5	7.7	8.2	2	2	49	50	<0.2	<0.2	1.2	1.1			
						6.3	0.2	40	17.2	8.1	8.1	28.9	28.9	116.2	116.3	9.5	9.5	8.2	8.2	2	2	50	50	<0.2	<0.2	1.1	1.2			
						6.3	0.2	43	17.2	8.1	8.1	28.9	28.9	116.4	116.4	9.5	9.5	8.2	8.2	2	2	50	50	<0.2	<0.2	1.2	1.2			
IM7	Sunny	Moderate	11:20	8.7	Surface	1.0	0.1	335	17.5	17.5	8.1	8.1	26.4	26.4	114.7	114.6	9.4	9.4	6.4	7.4	<2	<2	46	48	821364	806831	<0.2	<0.2	1.2	1.2
						1.0	0.1	329	17.4	8.1	8.1	26.4	28.6	114.5	113.5	9.4	9.2	6.5	7.6	<2	<2	47	49	<0.2	<0.2	1.2	1.1			
						4.4	0.1	314	17.3	8.1	8.1	28.6	28.0	113.5	113.5	9.2	9.3	7.6	7.7	2	2	48	48	<0.2	<0.2	1.1	1.2			
					Middle	4.4	0.1	314	17.3	8.1	8.1	27.4	27.5	113.5	113.8	9.3	9.3	7.7	7.9	2	2	48	50	<0.2	<0.2	1.2	1.1			
						7.7	0.1	326	17.3	8.1	8.1	28.7	28.1	113.8	113.9	9.3	9.3	7.9	8.2	<2	<2	50	50	<0.2	<0.2	1.1	1.1			
						7.7	0.1	324	17.3	8.1	8.1	28.7	28.1	114.0	114.0	9.3	9.3	8.2	8.2	<2	<2	50	50	<0.2	<0.2	1.2	1.2			

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

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

Water Quality Monitoring Results on 12 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	20:42	8.5	Surface	1.0	0.4	196	17.9	17.9	8.1	8.1	26.5	26.5	131.1	131.0	10.7	5.6	3	47	49	815602	804249	<0.2	1.8	<0.2	1.8			
						1.0	0.4	202	17.8	8.1	8.1	26.5	26.5	130.9	131.0	10.7	6.2	3	48	49	815602	804249	<0.2	1.9	<0.2	1.8				
						4.3	0.3	206	17.7	8.1	8.0	27.2	27.2	126.6	126.7	10.3	8.1	2	49	49	815602	804249	<0.2	1.8	<0.2	1.8				
					Middle	4.3	0.3	209	17.8	8.0	8.0	27.2	27.2	126.7	126.7	10.3	8.3	2	48	49	815602	804249	<0.2	1.8	<0.2	1.7				
						7.5	0.3	192	18.0	8.0	8.0	28.5	28.4	128.0	128.1	10.3	9.1	2	51	49	815602	804249	<0.2	1.7	<0.2	1.8				
						7.5	0.3	197	18.0	8.0	8.0	28.4	28.4	128.2	128.2	10.3	8.6	2	51	49	815602	804249	<0.2	1.8	<0.2	1.8				
						Bottom	7.5	0.3	197	18.0	8.0	8.0	28.4	28.4	128.2	128.2	10.3	8.6	2	51	49	815602	804249	<0.2	1.8	<0.2	1.8			
C2	Cloudy	Moderate	19:35	11.3	Surface	1.0	0.3	154	18.5	18.5	8.0	8.0	25.2	25.2	127.2	127.2	10.3	3.6	3	46	49	825689	806926	<0.2	1.8	<0.2	2.0			
						1.0	0.4	154	18.5	8.0	8.0	25.2	25.2	127.1	127.2	10.3	3.6	2	47	49	825689	806926	<0.2	2.0	<0.2	1.8				
						5.7	0.3	181	18.2	8.0	8.0	27.1	27.1	122.4	122.5	9.9	3.6	4	49	49	825689	806926	<0.2	1.8	<0.2	1.8				
					Middle	5.7	0.3	177	18.2	8.0	8.0	27.1	27.1	122.5	122.5	9.9	3.7	3	48	49	825689	806926	<0.2	1.8	<0.2	1.8				
						10.3	0.4	146	18.3	8.0	8.0	28.1	28.1	124.1	124.4	9.9	3.8	3	51	49	825689	806926	<0.2	1.8	<0.2	1.8				
						10.3	0.3	150	18.3	8.0	8.0	28.1	28.1	124.6	124.4	10.0	3.8	3	51	49	825689	806926	<0.2	1.6	<0.2	1.6				
						Bottom	10.3	0.3	150	18.3	8.0	8.0	28.1	28.1	124.6	124.4	10.0	3.8	3	51	49	825689	806926	<0.2	1.6	<0.2	1.6			
C3	Cloudy	Moderate	21:09	11.6	Surface	1.0	0.3	56	19.2	19.2	8.2	8.2	25.6	25.6	121.8	121.7	9.7	0.8	2	48	49	822089	817813	<0.2	1.9	<0.2	1.9			
						1.0	0.4	58	19.2	8.2	8.2	25.6	25.6	121.5	121.5	9.7	0.8	2	47	49	822089	817813	<0.2	1.9	<0.2	1.9				
						5.8	0.3	52	17.5	8.0	8.0	30.0	30.0	108.9	108.7	8.7	0.7	2	48	49	822089	817813	<0.2	1.9	<0.2	1.8				
					Middle	5.8	0.3	52	17.5	8.0	8.0	30.1	30.1	108.5	108.5	8.7	0.8	2	48	49	822089	817813	<0.2	1.8	<0.2	1.8				
						10.6	0.3	57	17.4	8.0	8.0	30.3	30.3	107.0	107.0	8.5	0.8	2	50	49	822089	817813	<0.2	1.5	<0.2	1.5				
						10.6	0.3	50	17.4	8.0	8.0	30.3	30.3	106.9	106.9	8.5	0.9	2	51	49	822089	817813	<0.2	1.6	<0.2	1.6				
						Bottom	10.6	0.3	50	17.4	8.0	8.0	30.3	30.3	106.9	106.9	8.5	0.9	2	51	49	822089	817813	<0.2	1.6	<0.2	1.6			
IM1	Cloudy	Moderate	20:23	8.3	Surface	1.0	0.2	178	18.1	18.1	8.1	8.1	25.7	25.7	127.3	127.3	10.4	9.1	2	46	48	818343	806479	<0.2	1.8	<0.2	1.7			
						1.0	0.3	174	18.1	8.1	8.1	25.7	25.7	127.2	127.2	10.4	9.5	3	46	48	818343	806479	<0.2	1.7	<0.2	1.5				
						4.2	0.3	195	17.9	8.1	8.1	27.6	27.6	126.4	126.4	10.2	6.2	2	48	49	818343	806479	<0.2	1.5	<0.2	1.6				
					Middle	4.2	0.3	198	17.9	8.1	8.1	27.6	27.6	126.3	126.3	10.2	6.7	3	49	49	818343	806479	<0.2	1.6	<0.2	1.6				
						7.3	0.3	167	18.1	8.0	8.0	28.3	28.3	125.6	125.6	10.1	6.7	2	51	48	818343	806479	<0.2	1.8	<0.2	1.8				
						7.3	0.3	172	18.1	8.0	8.0	28.3	28.3	125.5	125.5	10.1	6.7	2	50	48	818343	806479	<0.2	1.9	<0.2	1.9				
						Bottom	7.3	0.3	172	18.1	8.0	8.0	28.3	28.3	125.5	125.5	10.1	6.7	2	50	48	818343	806479	<0.2	1.9	<0.2	1.9			
IM2	Cloudy	Moderate	20:18	6.8	Surface	1.0	0.3	189	18.0	18.0	8.1	8.1	26.5	26.5	127.4	127.3	10.3	5.2	2	46	49	819165	806229	<0.2	1.7	<0.2	1.8			
						1.0	0.3	193	18.0	8.1	8.1	26.5	26.5	127.2	127.2	10.3	5.3	2	47	49	819165	806229	<0.2	1.8	<0.2	1.8				
						3.4	0.3	192	17.9	8.1	8.1	27.9	27.9	126.5	126.6	10.2	7.5	2	48	49	819165	806229	<0.2	2.0	<0.2	2.0				
					Middle	3.4	0.3	190	17.9	8.1	8.1	27.9	27.9	126.7	126.7	10.2	7.7	2	49	49	819165	806229	<0.2	2.0	<0.2	2.0				
						5.8	0.2	206	17.8	8.1	8.1	28.2	28.2	128.4	128.5	10.4	8.3	2	51	49	819165	806229	<0.2	1.9	<0.2	1.9				
						5.8	0.2	211	17.8	8.1	8.1	28.2	28.2	128.6	128.6	10.4	8.3	2	50	49	819165	806229	<0.2	1.7	<0.2	1.7				
						Bottom	5.8	0.2	211	17.8	8.1	8.1	28.2	28.2	128.6	128.6	10.4	8.3	2	50	49	819165	806229	<0.2	1.7	<0.2	1.7			
IM7	Cloudy	Moderate	20:00	8.5	Surface	1.0	0.1	159	18.2	18.2	8.1	8.1	25.8	25.8	128.9	128.9	10.5	3.6	3	47	48	821328	806844	<0.2	1.9	<0.2	1.9			
						1.0	0.1	152	18.2	8.1	8.1	25.8	25.8	128.8	128.8	10.5	3.6	2	46	48	821328	806844	<0.2	1.9	<0.2	1.9				
						4.3	0.2	181	18.1	8.1	8.1	26.7	26.7	127.4	127.4	10.3	4.0	2	48	48	821328	806844	<0.2	1.9	<0.2	1.9				
					Middle	4.3	0.2	188	18.1	8.1	8.1	26.7	26.7	127.3	127.3	10.3	4.0	2	49	48	821328	806844	<0.2	1.8	<0.2	1.8				
						7.5	0.1	153	18.4	8.0	8.0	27.8	27.8	126.6	126.6	10.1	4.2	3	50	48	821328	806844	<0.2	1.6	<0.2	1.6				
						7.5	0.1	154	18.4	8.0	8.0	27.8	27.8	126.8	126.8	10.1	4.2	2	50	48	821328	806844	<0.2	1.8	<0.2	1.8				
						Bottom	7.5	0.1	154	18.4	8.0	8.0	27.8	27.8	126.8	126.8	10.1	4.2	2	50	48	821328	806844	<0.2	1.8	<0.2	1.8			

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

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

Water Quality Monitoring Results on 12 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
IM10	Cloudy	Moderate	19:40	7.8	Surface	1.0	0.3	101	18.7	8.1	8.1	24.4	24.4	122.6	122.4	9.9	9.1	9.3	9.1	3	3	46	49	822228	809851	<0.2	<0.2	1.6	1.7						
						1.0	0.3	94	18.6	8.1	8.1	24.4	24.4	122.1	122.4	9.9	9.2	3	3	47	47	46	47	47	47	<0.2	<0.2	1.6	1.6						
						3.9	0.4	128	18.3	8.0	8.0	27.6	27.6	109.6	109.5	8.8	8.8	2	2	48	49	48	49	48	49	<0.2	<0.2	1.8	1.8						
					3.9	0.4	123	18.2	8.0	8.0	27.7	27.7	109.3	109.3	8.7	8.7	2	2	49	49	49	49	49	49	<0.2	<0.2	1.8	1.7							
					6.8	0.3	101	18.2	8.0	8.0	28.1	28.1	108.1	108.0	8.6	8.6	1.0	1.0	51	51	51	51	51	51	<0.2	<0.2	1.7	1.7							
					6.8	0.3	95	18.2	8.0	8.0	28.2	28.2	107.9	107.9	8.6	8.6	1.1	1.1	3	3	50	50	50	50	<0.2	<0.2	1.7	1.7							
					IM11	Cloudy	Moderate	20:00	8.2	Surface	1.0	0.4	110	19.0	8.1	8.1	23.4	23.4	130.5	130.0	10.6	10.5	10.1	10.5	4	4	47	49	821510	810532	<0.2	<0.2	1.7	1.8	
											1.0	0.4	109	18.9	8.1	8.1	23.4	23.4	129.4	129.4	10.5	10.5	5	5	47	47	47	47	47	47	<0.2	<0.2	1.7	1.7	
											4.1	0.5	97	18.5	8.1	8.1	25.9	25.9	119.8	119.6	9.6	9.6	0.7	0.7	4	4	49	49	49	49	<0.2	<0.2	1.8	1.8	
4.1	0.5	90	18.4	8.1						8.1	26.0	26.0	119.4	119.4	9.6	9.6	0.8	0.8	6	6	49	49	49	49	<0.2	<0.2	1.9	1.9							
7.2	0.4	81	18.0	8.0						8.0	28.4	28.4	107.5	107.4	8.6	8.6	0.8	0.8	3	3	50	50	50	50	<0.2	<0.2	1.7	1.7							
7.2	0.5	75	18.0	8.0						8.0	28.4	28.4	107.3	107.3	8.6	8.6	0.8	0.8	3	3	51	51	51	51	<0.2	<0.2	1.6	1.6							
IM12	Cloudy	Moderate	20:06	8.9						Surface	1.0	0.5	102	19.3	8.2	8.2	23.0	23.0	132.7	132.6	10.7	10.7	10.1	10.7	3	3	46	47	821150	811499	<0.2	<0.2	1.8	1.9	
											1.0	0.5	95	19.2	8.2	8.2	23.0	23.0	132.5	132.5	10.7	10.7	0.8	0.8	3	3	47	47	47	47	<0.2	<0.2	1.9	1.9	
											4.5	0.4	115	18.3	8.0	8.0	27.5	27.6	117.8	117.7	9.4	9.4	0.7	0.7	2	2	48	48	48	48	<0.2	<0.2	1.7	1.7	
					4.5	0.4	113	18.2	8.0	8.0	27.7	27.7	117.5	117.5	9.4	9.4	0.8	0.8	2	2	49	49	49	49	<0.2	<0.2	1.6	1.6							
					7.9	0.4	104	17.8	8.0	8.0	28.9	28.9	109.9	109.9	8.8	8.8	1.6	1.6	2	2	50	50	50	50	<0.2	<0.2	1.7	1.7							
					7.9	0.4	109	17.8	8.0	8.0	28.9	28.9	109.9	109.9	8.8	8.8	1.7	1.7	2	2	49	49	49	49	<0.2	<0.2	1.7	1.8							
					SR1A	Cloudy	Moderate	20:36	5.1	Surface	1.0	-	83	19.2	8.1	8.1	24.6	24.7	118.5	118.5	9.5	9.5	9.5	0.6	0.9	2	2	-	-	819970	812654	-	-	-	-
											1.0	0.0	82	19.1	8.1	8.1	24.7	24.7	118.4	118.4	9.5	9.5	0.7	0.7	2	2	-	-	-	-	-	-	-	-	-
											2.6	-	95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6	-	92	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
4.1	0.0	67	18.3	8.0						8.0	27.7	27.7	111.0	111.0	8.9	8.9	1.2	1.2	2	2	-	-	-	-	-	-	-	-	-	-	-				
4.1	0.1	62	18.3	8.0						8.0	27.8	27.8	110.9	110.9	8.8	8.8	1.2	1.2	2	2	-	-	-	-	-	-	-	-	-	-	-	-			
SR2	Cloudy	Moderate	20:49	4.3						Surface	1.0	0.4	49	19.3	8.1	8.1	25.2	25.6	126.4	126.3	10.0	10.0	10.0	0.6	0.7	2	2	49	48	821467	814165	<0.2	<0.2	1.9	1.8
											1.0	0.3	42	19.0	8.1	8.1	26.0	26.0	126.1	126.1	10.0	10.0	0.7	0.7	2	2	48	48	48	48	<0.2	<0.2	1.8	1.8	
											-	0.4	40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					-	0.4	44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					3.3	0.4	40	18.6	8.1	8.1	26.9	26.9	120.7	120.7	9.6	9.6	0.7	0.7	2	2	51	51	51	51	<0.2	<0.2	1.9	1.9							
					3.3	0.4	35	18.6	8.1	8.1	26.9	26.9	120.6	120.6	9.6	9.6	0.7	0.7	2	2	51	51	51	51	<0.2	<0.2	1.8	1.8							
					SR3	Cloudy	Moderate	19:53	8.6	Surface	1.0	0.3	161	18.3	8.1	8.1	25.2	25.2	125.6	125.5	10.2	10.2	10.2	3.8	4.3	2	2	-	-	822145	807582	-	-	-	-
											1.0	0.2	153	18.3	8.1	8.1	25.3	25.3	125.3	125.3	10.2	10.2	3.8	3.8	2	2	-	-	-	-	-	-	-	-	-
											4.3	0.3	136	18.1	8.1	8.1	26.6	26.6	125.0	125.0	10.1	10.1	4.4	4.4	3	3	-	-	-	-	-	-	-	-	-
4.3	0.3	134	18.1	8.1						8.1	26.6	26.6	125.0	125.0	10.1	10.1	4.4	4.4	2	2	-	-	-	-	-	-	-	-	-	-					
7.6	0.3	154	18.3	8.0						8.0	27.7	27.7	125.1	125.1	10.0	10.0	4.7	4.7	4	4	-	-	-	-	-	-	-	-	-						
7.6	0.4	147	18.4	8.0						8.0	27.6	27.6	125.1	125.1	10.0	10.0	4.7	4.7	5	5	-	-	-	-	-	-	-	-	-						
SR4A	Cloudy	Moderate	20:42	8.8						Surface	1.0	0.0	95	18.2	8.1	8.1	25.8	25.8	130.2	130.2	10.6	10.6	10.6	5.1	5.8	3	3	-	-	817193	807787	-	-	-	-
											1.0	0.0	100	18.2	8.1	8.1	25.8	25.8	130.2	130.2	10.6	10.6	5.2	5.2	2	2	-	-	-	-	-	-	-	-	
											4.4	0.0	95	17.9	8.1	8.1	27.6	27.6	130.8	130.9	10.6	10.6	6.1	6.1	2	2	-	-	-	-	-	-	-	-	
					4.4	0.0	100	17.9	8.1	8.1	27.6	27.6	131.0	131.0	10.6	10.6	6.0	6.0	2	2	-	-	-	-	-	-	-	-							
					7.8	0.0	99	18.0	8.1	8.1	28.9	28.9	131.2	131.3	10.5	10.5	6.0	6.0	2	2	-	-	-	-	-	-	-	-							
					7.8	0.0	99	18.0	8.1	8.1	28.9	28.9	131.3	131.3	10.5	10.5	6.3	6.3	2	2	-	-	-	-	-	-	-	-							
					SR8	Cloudy	Moderate	20:12	4.6	Surface	1.0	-	-	19.3	8.2	8.2	23.4	23.4	128.2	128.2	10.3	10.3	10.3	0.7	0.6	2	2	-	-	820392	811633	-	-	-	-
											1.0	-	-	19.3	8.2	8.2	23.4	23.4	128.2	128.2	10.3	10.3	0.7	0.7	3	3	-	-	-	-	-	-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
3.6	-	-	19.0	8.1						8.1	25.2	25.2	121.0	120.8	9.7	9.7	0.5	0.5	3	3	-	-	-	-	-	-	-	-							
3.6	-	-	19.0	8.1						8.1	25.3	25.3	120.5	120.5	9.6	9.6	0.5	0.5	3	3	-	-	-	-	-	-	-	-							

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

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

Water Quality Monitoring Results on 12 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Sunny	Moderate	09:03	8.6	Surface	1.0	0.0	119	17.9	17.9	8.1	8.1	25.3	25.2	114.5	114.4	9.4	9.4	5.7	5.7	3	3	46	46	815634	804234	<0.2	<0.2	2.0	2.0					
						1.0	0.1	118	17.9	17.5	8.1	8.1	25.2	25.2	114.3	114.3	9.4	9.4	5.9	5.9	4	4	46	46	815634	804234	<0.2	<0.2	2.0	2.0					
						4.3	0.0	138	17.5	17.5	8.1	8.1	28.5	28.5	114.8	115.0	9.3	9.4	6.9	6.9	3	3	49	49	815634	804234	<0.2	<0.2	2.0	2.0					
					Middle	4.3	0.0	131	17.5	17.3	8.1	8.0	28.5	28.5	115.1	115.7	9.3	9.3	7.1	7.1	2	2	48	48	815634	804234	<0.2	<0.2	1.9	1.9					
						7.6	0.0	108	17.3	17.3	8.0	8.0	29.9	29.9	115.6	115.7	9.3	9.4	7.5	7.5	3	3	50	50	815634	804234	<0.2	<0.2	2.2	2.2					
						7.6	0.1	110	17.2	17.3	8.0	8.0	29.9	29.9	115.7	115.7	9.4	9.4	7.5	7.5	2	2	49	49	815634	804234	<0.2	<0.2	2.1	2.1					
					C2	Sunny	Moderate	10:17	11.1	Surface	1.0	0.1	321	18.0	18.0	8.0	8.0	26.3	26.3	120.4	120.4	9.8	9.8	3.6	3.6	3	3	46	46	825671	806963	<0.2	<0.2	2.2	2.2
											1.0	0.0	314	18.0	18.2	8.0	8.0	26.3	26.3	120.3	120.7	9.8	9.7	3.5	3.6	4	4	45	48	825671	806963	<0.2	<0.2	2.3	2.0
											5.6	0.1	304	18.1	18.2	8.0	8.0	27.5	27.5	120.6	120.7	9.7	9.7	3.6	3.6	3	3	48	48	825671	806963	<0.2	<0.2	2.0	2.0
Middle	5.6	0.1	308	18.2						18.3	8.0	8.0	27.5	27.5	120.7	122.0	9.7	9.7	3.6	3.6	4	4	48	48	825671	806963	<0.2	<0.2	2.0	2.0					
	10.1	0.0	338	18.3						18.3	8.0	8.0	29.0	29.0	121.6	122.0	9.7	9.7	3.6	3.6	6	6	50	50	825671	806963	<0.2	<0.2	2.1	2.1					
	10.1	0.1	336	18.3						18.3	8.0	8.0	28.9	29.0	122.4	122.0	9.7	9.7	3.9	3.9	4	4	50	50	825671	806963	<0.2	<0.2	2.0	2.0					
C3	Sunny	Moderate	08:32	11.4						Surface	1.0	0.1	230	18.1	18.1	8.0	8.0	27.9	27.9	116.2	116.2	9.3	9.3	1.7	1.7	<2	<2	48	48	822120	817789	<0.2	<0.2	1.6	1.6
											1.0	0.1	232	18.1	17.6	8.0	7.9	27.9	27.9	116.1	108.8	9.3	8.7	1.7	1.2	2	3	46	48	822120	817789	<0.2	<0.2	1.8	1.6
											5.7	0.1	223	17.6	17.6	7.9	7.9	29.5	29.5	108.9	108.8	8.7	8.7	1.1	1.1	3	2	48	49	822120	817789	<0.2	<0.2	1.7	1.7
					Middle	5.7	0.1	215	17.6	17.5	7.9	7.9	29.6	29.6	108.6	106.8	8.7	8.5	1.1	1.0	2	2	49	47	822120	817789	<0.2	<0.2	1.7	1.6					
						10.4	0.0	217	17.5	17.5	7.9	7.9	29.9	29.9	106.8	106.8	8.5	8.5	1.0	1.0	2	2	47	47	822120	817789	<0.2	<0.2	1.6	1.6					
						10.4	0.0	209	17.5	17.5	7.9	7.9	29.9	29.9	106.8	106.8	8.5	8.5	1.0	1.0	2	2	47	47	822120	817789	<0.2	<0.2	1.7	1.7					
					IM1	Sunny	Moderate	09:22	6.8	Surface	1.0	0.0	117	18.1	18.1	8.1	8.1	25.9	25.9	124.1	124.1	10.1	10.1	6.0	6.0	4	4	46	46	818327	806475	<0.2	<0.2	2.0	2.0
											1.0	0.1	122	18.1	17.7	8.1	8.1	25.9	25.9	124.0	123.5	10.1	9.9	6.0	7.1	3	3	46	47	818327	806475	<0.2	<0.2	2.1	2.1
											3.4	0.0	128	17.7	17.7	8.1	8.1	28.9	28.9	123.5	123.5	10.0	10.0	7.4	7.4	3	3	47	49	818327	806475	<0.2	<0.2	2.1	2.1
Middle	3.4	0.0	130	17.7						17.6	8.1	8.1	28.9	28.9	123.5	123.3	10.0	9.9	7.4	5.8	3	3	49	50	818327	806475	<0.2	<0.2	2.1	1.9					
	5.8	0.0	146	17.6						17.6	8.1	8.1	29.4	29.4	123.4	123.3	9.9	9.9	5.8	5.8	3	3	50	50	818327	806475	<0.2	<0.2	2.0	2.0					
	5.8	0.1	139	17.6						17.6	8.1	8.1	29.4	29.4	123.2	123.3	9.9	9.9	5.8	5.8	3	3	50	50	818327	806475	<0.2	<0.2	1.9	2.0					
IM2	Sunny	Moderate	09:29	7.4						Surface	1.0	0.0	213	18.2	18.2	8.1	8.1	27.5	27.5	124.1	124.1	10.0	10.0	4.9	4.9	3	3	46	46	819171	806227	<0.2	<0.2	1.9	1.9
											1.0	0.0	208	18.2	17.8	8.1	8.1	27.5	27.5	124.0	124.3	10.0	10.0	5.1	5.5	2	2	46	48	819171	806227	<0.2	<0.2	2.0	2.0
											3.7	-	229	17.8	17.8	8.1	8.1	27.9	27.9	124.1	124.2	10.0	10.1	5.5	5.5	2	3	48	49	819171	806227	<0.2	<0.2	2.0	2.0
					Middle	3.7	0.1	228	17.8	17.7	8.1	8.1	27.9	27.9	124.3	126.0	10.1	10.1	5.5	6.0	2	5	49	50	819171	806227	<0.2	<0.2	2.1	2.0					
						6.4	0.0	233	17.7	17.7	8.1	8.1	29.2	29.2	126.0	126.1	10.1	10.1	6.0	6.0	3	4	50	49	819171	806227	<0.2	<0.2	2.0	2.0					
						6.4	0.0	228	17.7	17.7	8.1	8.1	29.2	29.2	126.2	126.1	10.1	10.1	6.0	6.0	4	4	49	49	819171	806227	<0.2	<0.2	2.1	2.1					
					IM7	Sunny	Moderate	09:50	8.5	Surface	1.0	0.0	233	18.0	18.0	8.1	8.1	26.7	26.7	124.5	124.4	10.1	10.1	4.2	4.2	2	2	46	46	821337	806850	<0.2	<0.2	2.0	2.0
											1.0	0.0	229	17.9	17.8	8.1	8.1	26.7	26.7	124.3	123.3	10.1	9.9	4.3	5.4	2	3	47	49	821337	806850	<0.2	<0.2	2.2	1.9
											4.3	0.0	249	17.8	17.8	8.1	8.1	29.0	28.4	123.3	123.3	10.0	10.0	5.4	5.5	2	3	49	47	821337	806850	<0.2	<0.2	2.0	2.0
Middle	4.3	0.0	247	17.8						17.8	8.1	8.1	27.8	28.4	123.3	123.3	10.0	10.0	5.5	5.5	3	3	47	47	821337	806850	<0.2	<0.2	2.0	2.0					
	7.5	0.0	225	17.8						17.8	8.1	8.1	27.8	28.4	123.6	123.7	10.0	10.0	5.7	5.7	3	3	50	50	821337	806850	<0.2	<0.2	2.1	2.1					
	7.5	0.0	220	17.8						17.8	8.1	8.1	29.0	28.4	123.8	123.7	9.9	9.9	6.0	6.0	4	4	49	49	821337	806850	<0.2	<0.2	2.0	2.0					

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 12 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM10	Sunny	Moderate	09:56	8.2	Surface	1.0	0.0	253	18.7	18.7	8.2	8.1	24.3	24.3	122.5	122.2	9.9	9.4	0.5	0.7	4	3	45	48	822245	809826	<0.2	<0.2	1.7	1.7						
						1.0	0.1	247	18.6	8.1	8.1	24.3	24.3	121.8	111.4	9.9	9.4	0.5	0.7	3	3	46	47	46	48			<0.2	<0.2	1.7	1.7					
						4.1	0.1	258	18.3	8.0	8.0	27.2	27.3	111.4	111.4	8.9	8.9	0.6	0.6	2	2	47	48	48	50			<0.2	<0.2	1.7	1.7					
					Middle	4.1	0.1	258	18.3	8.0	8.0	27.3	27.3	111.4	111.4	8.9	8.9	0.6	0.6	2	2	48	48	48	50			<0.2	<0.2	1.7	1.7					
						7.2	0.0	270	18.1	8.0	8.0	28.3	28.3	106.0	106.0	8.5	8.5	1.0	1.0	2	2	48	48	48	50			<0.2	<0.2	1.9	1.9					
						7.2	0.0	266	18.1	8.0	8.0	28.3	28.3	105.9	105.9	8.5	8.5	1.0	1.0	3	3	49	49	49	50			<0.2	<0.2	1.8	1.8					
					IM11	Sunny	Moderate	09:46	8.1	Surface	1.0	0.0	251	19.3	19.3	8.2	8.2	21.9	21.9	133.6	133.5	10.8	10.2	0.6	1.3	<2	2	46	48	821501	810534	<0.2	<0.2	1.7	1.7	
											1.0	0.1	244	19.3	8.2	8.1	21.9	21.9	133.4	119.8	10.8	10.2	0.7	1.0	<2	2	47	48	48	50			<0.2	<0.2	1.7	1.7
											4.1	0.0	248	18.7	8.1	8.1	25.8	25.8	119.8	119.8	9.6	9.6	1.0	1.0	<2	2	48	48	48	50			<0.2	<0.2	1.7	1.7
Middle	4.1	0.0	251	18.7						8.1	8.1	25.8	25.8	119.7	119.8	9.6	9.6	1.0	1.0	<2	2	48	48	48	50			<0.2	<0.2	1.7	1.7					
	7.1	0.1	232	18.0						8.0	8.0	28.5	28.5	107.4	107.4	8.6	8.6	2.2	2.2	3	3	50	50	50	50			<0.2	<0.2	1.6	1.6					
	7.1	0.1	232	18.0						8.0	8.0	28.5	28.5	107.4	107.4	8.6	8.6	2.3	2.3	2	2	50	50	50	50			<0.2	<0.2	1.8	1.8					
IM12	Sunny	Moderate	09:38	8.4						Surface	1.0	0.0	307	19.0	19.0	8.2	8.2	23.9	23.8	128.2	128.2	10.3	10.0	0.7	0.7	2	2	46	46	821159	811537	<0.2	<0.2	1.8	1.8	
											1.0	0.0	311	19.0	8.2	8.1	23.8	23.8	128.2	121.3	10.3	10.0	0.7	0.7	<2	3	46	48	48	50			<0.2	<0.2	1.7	1.7
											4.2	-	317	18.6	8.1	8.1	25.8	25.8	121.3	121.2	9.7	9.7	0.5	0.5	4	3	48	49	49	50			<0.2	<0.2	1.7	1.7
					Middle	4.2	0.0	310	18.6	8.1	8.0	25.8	28.8	121.2	108.7	9.7	8.7	0.8	0.8	3	2	49	50	50	50			<0.2	<0.2	1.7	1.8					
						7.4	0.0	325	17.8	8.0	8.0	28.8	28.8	108.7	108.6	8.7	8.7	0.8	0.8	2	2	50	50	50	50			<0.2	<0.2	1.8	1.8					
						7.4	0.0	322	17.8	8.0	8.0	28.8	28.8	108.6	108.6	8.7	8.7	0.8	0.8	<2	2	50	50	50	50			<0.2	<0.2	1.7	1.7					
					SR1A	Sunny	Moderate	09:07	5.6	Surface	1.0	0.0	171	19.0	19.0	8.1	8.1	25.0	25.0	114.0	114.0	9.1	9.1	0.7	1.5	<2	3	-	-	819974	812658	-	-	-	-	
											1.0	-	169	19.0	8.1	8.1	25.0	25.0	114.0	114.0	9.1	9.1	0.7	1.5	<2	3	-	-	-	-			-	-	-	-
											2.8	0.0	192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	2.8	-	193	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	4.6	0.0	168	17.8						8.0	8.0	28.9	28.9	107.0	106.9	8.6	8.6	2.3	2.3	3	3	-	-	-	-	-	-	-	-	-	-	-	-			
	4.6	0.0	168	17.8						8.0	8.0	28.8	28.8	106.7	106.9	8.5	8.6	2.5	2.5	4	4	-	-	-	-	-	-	-	-	-	-	-	-			
SR2	Sunny	Moderate	08:53	4.5						Surface	1.0	0.1	6	18.6	18.6	8.1	8.1	25.9	25.9	120.9	120.9	9.7	9.7	1.0	1.0	2	2	46	46	821485	814156	<0.2	<0.2	1.7	1.5	
											1.0	0.1	2	18.6	8.1	8.1	25.9	25.9	120.9	120.9	9.7	9.7	1.0	1.0	2	2	46	46	47	47			<0.2	<0.2	1.5	1.5
											-	0.0	349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	0.1	345	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						3.5	0.0	5	18.6	8.0	8.0	26.2	26.2	119.2	119.1	9.5	9.5	0.9	0.9	4	4	48	48	48	48			<0.2	<0.2	1.5	1.5					
						3.5	0.1	1	18.6	8.0	8.0	26.2	26.2	119.0	119.0	9.5	9.5	1.0	1.0	3	3	47	47	47	47			<0.2	<0.2	1.6	1.6					
					SR3	Sunny	Moderate	09:58	8.6	Surface	1.0	0.0	171	18.3	18.3	8.1	8.1	25.9	25.9	122.9	122.8	10.0	9.9	3.9	4.7	3	3	-	-	822129	807562	-	-	-	-	
											1.0	0.0	164	18.3	8.1	8.1	25.9	25.9	122.7	122.1	9.9	9.9	3.9	4.4	3	3	-	-	-	-			-	-	-	-
											4.3	0.0	173	17.9	8.1	8.1	27.4	27.4	122.1	122.1	9.9	9.9	4.4	4.3	4	3	-	-	-	-			-	-	-	-
Middle	4.3	0.0	166	17.9						8.1	8.1	27.4	27.4	122.1	122.1	9.9	9.9	4.3	4.3	3	3	-	-	-	-			-	-	-	-					
	7.6	0.0	166	18.0						8.0	8.0	28.6	28.6	122.9	123.0	9.9	9.9	5.7	5.7	3	3	-	-	-	-			-	-	-	-					
	7.6	0.0	165	18.1						8.0	8.0	28.6	28.6	123.0	123.0	9.8	9.9	5.6	5.6	2	2	-	-	-	-			-	-	-	-					
SR4A	Sunny	Moderate	08:51	8.7						Surface	1.0	0.0	289	18.1	18.1	8.0	8.0	26.9	26.9	114.2	114.2	9.2	9.2	5.7	5.9	3	3	-	-	817183	807795	-	-	-	-	
											1.0	0.0	284	18.1	8.0	8.0	26.9	26.9	114.1	114.2	9.2	9.2	5.8	6.1	3	3	-	-	-	-			-	-	-	-
											4.4	0.1	305	17.7	8.0	8.0	28.1	28.1	114.2	114.2	9.2	9.2	6.1	6.1	3	3	-	-	-	-			-	-	-	-
					Middle	4.4	0.1	305	17.7	8.0	8.0	28.1	28.1	114.2	114.2	9.2	9.2	6.1	6.1	2	2	-	-	-	-			-	-	-	-					
						7.7	0.0	299	17.7	8.0	8.0	29.3	29.3	115.4	115.5	9.3	9.3	6.0	6.0	3	3	-	-	-	-			-	-	-	-					
						7.7	0.0	304	17.7	8.0	8.0	29.3	29.3	115.5	115.5	9.3	9.3	5.9	5.9	3	3	-	-	-	-			-	-	-	-					
					SR8	Sunny	Moderate	09:32	4.6	Surface	1.0	-	-	19.1	19.1	8.2	8.2	22.2	22.2	122.9	122.7	10.0	10.0	0.7	0.6	4	3	-	-	820376	811623	-	-	-	-	
											1.0	-	-	19.1	8.2	8.2	22.2	22.2	122.4	122.7	9.9	9.9	0.7	0.6	3	3	-	-	-	-			-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.6	-	-	18.3						8.1	8.1	27.6	27.6	112.7	112.7	9.0	9.0	0.5	0.5	3	3	-	-	-	-			-	-	-	-					
3.6	-	-	18.3	8.1						8.1	27.6	27.6	112.7	112.7	9.0	9.0	0.6	0.6	3	3	-	-	-	-	-	-			-	-	-	-				

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

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

Water Quality Monitoring Results on 15 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	11:38	8.4	Surface	1.0	0.1	203	18.9	18.9	8.2	8.2	27.3	27.3	129.7	129.7	10.3	9.7	1.6	4.6	<2	2	47	49	815639	804254	<0.2	<0.2	1.6	1.5
						1.0	0.1	197	18.9	8.2	8.2	27.3	27.3	129.6	129.6	10.2	9.7	1.6	4.6	<2	2	48	49	815639	804254	<0.2	<0.2	1.6	1.5	
						4.2	0.1	209	17.9	8.1	8.1	29.7	29.7	115.7	115.6	9.2	8.9	3.8	4.1	<2	2	49	50	815639	804254	<0.2	<0.2	1.5	1.6	
					4.2	0.1	203	17.9	8.1	8.1	29.7	29.7	115.4	115.4	9.2	8.9	4.1	4.2	<2	2	50	51	815639	804254	<0.2	<0.2	1.6	1.4		
					7.4	0.1	213	17.9	8.0	8.0	29.7	29.7	111.8	111.8	8.9	8.9	8.2	8.3	<2	2	51	51	815639	804254	<0.2	<0.2	1.4	1.3		
					7.4	0.1	214	17.9	8.0	8.0	29.7	29.7	111.7	111.7	8.9	8.9	8.3	8.3	<2	2	51	51	815639	804254	<0.2	<0.2	1.3	1.3		
C2	Cloudy	Moderate	13:06	12.0	Surface	1.0	0.3	183	21.0	21.0	8.3	8.3	22.4	22.4	146.7	146.7	11.5	10.7	0.5	2.9	<2	2	46	48	825675	806924	<0.2	<0.2	1.3	1.4
						1.0	0.3	186	21.0	8.3	8.3	22.4	22.4	146.7	146.7	11.5	10.7	0.5	2.9	<2	2	47	48	825675	806924	<0.2	<0.2	1.4	1.3	
						6.0	0.3	173	19.2	8.2	8.2	25.5	25.5	125.4	125.3	10.0	9.9	0.6	0.6	<2	2	47	49	825675	806924	<0.2	<0.2	1.3	1.3	
					6.0	0.3	168	19.2	8.2	8.2	25.5	25.5	125.1	125.1	9.9	9.9	0.6	0.6	<2	2	49	50	825675	806924	<0.2	<0.2	1.3	1.6		
					11.0	0.2	201	18.2	8.0	8.0	28.8	28.8	105.6	105.7	8.4	8.4	7.7	7.5	<2	2	50	51	825675	806924	<0.2	<0.2	1.6	1.6		
					11.0	0.2	196	18.2	8.0	8.0	28.8	28.8	105.7	105.7	8.4	8.4	7.5	7.5	<2	2	51	51	825675	806924	<0.2	<0.2	1.6	1.6		
C3	Sunny	Moderate	10:19	13.6	Surface	1.0	0.1	113	20.3	20.3	8.2	8.2	26.0	25.9	144.7	144.7	11.2	11.0	1.0	2.4	2	3	83	87	822100	817816	<0.2	<0.2	1.2	1.1
						1.0	0.0	116	20.3	8.2	8.2	25.9	25.9	144.7	144.7	11.2	11.0	1.0	2.4	2	3	83	87	822100	817816	<0.2	<0.2	1.1	1.1	
						6.8	0.1	104	19.7	8.2	8.2	27.6	27.6	138.2	138.2	10.8	10.7	2.2	2.2	3	3	87	87	822100	817816	<0.2	<0.2	1.0	1.0	
					6.8	0.1	111	19.7	8.2	8.2	27.6	27.6	138.2	138.2	10.7	10.6	2.2	2.2	2	3	87	90	822100	817816	<0.2	<0.2	1.0	1.0		
					12.6	0.1	77	19.6	8.1	8.1	27.5	27.4	135.9	135.9	10.6	10.6	3.8	3.9	3	3	90	90	822100	817816	<0.2	<0.2	1.0	1.0		
					12.6	0.0	83	19.6	8.1	8.1	27.4	27.4	135.9	135.9	10.6	10.6	3.9	3.9	3	3	90	90	822100	817816	<0.2	<0.2	1.0	1.0		
IM1	Cloudy	Moderate	11:57	6.8	Surface	1.0	0.1	171	21.0	21.0	8.3	8.3	23.1	23.1	140.2	140.2	10.9	10.8	0.7	1.4	<2	2	46	48	818352	806474	<0.2	<0.2	1.6	1.6
						1.0	0.1	167	21.0	8.3	8.3	23.1	23.1	140.1	140.1	10.9	10.8	0.8	1.4	2	2	46	48	818352	806474	<0.2	<0.2	1.6	1.6	
						3.4	0.1	193	19.4	8.2	8.2	25.9	25.9	134.6	134.6	10.6	10.6	1.5	1.5	2	2	48	49	818352	806474	<0.2	<0.2	1.6	1.6	
					3.4	0.1	191	19.3	8.2	8.2	26.0	26.0	134.6	134.6	10.6	10.6	1.5	1.5	<2	2	49	49	818352	806474	<0.2	<0.2	1.6	1.6		
					5.8	0.1	158	18.9	8.1	8.1	27.2	27.2	125.7	125.5	9.9	9.9	2.1	2.1	<2	2	51	51	818352	806474	<0.2	<0.2	1.6	1.6		
					5.8	0.1	160	18.9	8.1	8.1	27.2	27.2	125.3	125.3	9.9	9.9	2.1	2.1	<2	2	50	50	818352	806474	<0.2	<0.2	1.6	1.6		
IM2	Cloudy	Moderate	12:03	6.6	Surface	1.0	0.1	185	20.6	20.5	8.3	8.3	22.9	23.0	140.2	140.1	11.0	10.7	0.5	0.9	<2	2	47	48	819165	806220	<0.2	<0.2	1.7	1.6
						1.0	0.1	188	20.4	8.3	8.3	23.1	23.1	139.9	139.9	11.0	10.7	0.6	0.9	<2	2	46	48	819165	806220	<0.2	<0.2	1.6	1.6	
						3.3	0.1	200	19.4	8.3	8.3	26.2	26.3	132.2	132.2	10.4	10.4	1.0	1.0	<2	2	48	48	819165	806220	<0.2	<0.2	1.6	1.6	
					3.3	0.1	194	19.4	8.3	8.3	26.3	26.3	132.1	132.1	10.4	10.4	1.0	1.0	<2	2	48	48	819165	806220	<0.2	<0.2	1.6	1.6		
					5.6	0.1	189	19.1	8.3	8.3	27.2	27.2	127.6	127.6	10.1	10.1	1.2	1.2	<2	2	51	51	819165	806220	<0.2	<0.2	1.5	1.5		
					5.6	0.1	189	19.1	8.3	8.3	27.2	27.2	127.5	127.5	10.1	10.1	1.2	1.2	<2	2	50	50	819165	806220	<0.2	<0.2	1.5	1.5		
IM7	Cloudy	Moderate	12:25	8.3	Surface	1.0	0.1	167	19.8	19.8	8.2	8.2	24.1	24.2	143.3	143.2	11.4	10.9	0.6	1.6	<2	2	48	49	821326	806823	<0.2	<0.2	1.5	1.5
						1.0	0.1	159	19.7	8.2	8.2	24.3	24.3	143.1	143.1	11.3	10.9	0.6	1.6	<2	2	47	49	821326	806823	<0.2	<0.2	1.4	1.5	
						4.2	0.1	172	19.3	8.2	8.2	25.9	25.9	132.8	132.7	10.5	10.5	1.5	1.5	<2	2	49	49	821326	806823	<0.2	<0.2	1.5	1.5	
					4.2	0.1	171	19.3	8.2	8.2	25.9	25.9	132.6	132.6	10.5	10.5	1.5	1.5	2	2	49	49	821326	806823	<0.2	<0.2	1.5	1.5		
					7.3	0.0	147	19.0	8.1	8.1	26.7	26.7	123.4	123.4	9.8	9.8	2.6	2.6	<2	2	50	50	821326	806823	<0.2	<0.2	1.5	1.5		
					7.3	0.0	145	19.0	8.1	8.1	26.7	26.7	123.3	123.3	9.8	9.8	2.8	2.8	2	2	51	51	821326	806823	<0.2	<0.2	1.5	1.5		

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 15 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
IM10	Sunny	Moderate	15:32	8.9	Surface	1.0	0.1	266	21.4	8.4	8.4	24.5	24.5	167.4	167.3	12.9	12.0	1.7	2	2	83	87	87	87	822217	809828	<0.2	1.6	1.7							
						1.0	0.1	265	21.3	8.4	8.4	24.5	24.5	167.2	167.3	12.8	12.0	1.7	3	3	83	87	87	87			<0.2	1.6	1.7							
						4.5	0.1	261	19.9	8.2	8.2	27.3	27.3	144.7	144.7	11.2	11.2	2.5	2	3	87	87	87	87			<0.2	1.7	1.8							
					4.5	0.2	265	19.9	8.2	8.2	27.3	27.3	144.7	144.7	11.2	11.2	2.4	3	2	90	90	90	90	<0.2			1.7	1.7								
					7.9	0.1	284	19.6	8.2	8.2	27.8	27.8	137.2	137.2	10.7	10.7	2.2	2	2	81	81	81	81	<0.2			1.7	1.7								
					7.9	0.1	287	19.6	8.2	8.2	27.8	27.8	137.1	137.1	10.7	10.7	2.2	3	2	82	82	82	82	<0.2			1.7	1.7								
					IM11	Sunny	Moderate	15:39	9.7	Surface	1.0	0.2	280	20.6	8.3	8.3	25.9	25.9	155.4	155.4	12.0	11.6	1.9	2			2	83	87	87	87	821499	810567	<0.2	1.4	1.6
											1.0	0.2	273	20.6	8.3	8.3	25.9	25.9	155.3	155.3	12.0	11.6	1.9	<2			2	83	87	87	87			<0.2	1.4	1.8
											4.9	0.2	265	19.9	8.2	8.2	27.1	27.1	142.8	142.8	11.1	11.1	2.3	2			2	87	87	87	87			<0.2	1.8	1.8
4.9	0.2	262	19.9	8.2						8.2	27.2	27.2	142.7	142.7	11.1	11.1	2.4	<2	2	90	90	90	90	<0.2	1.6	1.7										
8.7	0.2	297	19.7	8.1						8.1	27.5	27.5	135.0	135.0	10.5	10.5	4.9	2	2	81	81	81	81	<0.2	1.6	1.7										
8.7	0.2	297	19.7	8.1						8.1	27.5	27.5	135.0	135.0	10.5	10.5	4.9	3	2	91	91	91	91	<0.2	1.7	1.7										
IM12	Sunny	Moderate	15:46	9.4						Surface	1.0	0.2	289	21.6	8.4	8.4	24.4	24.4	161.6	161.6	12.4	12.3	2.5	<2	<2	82	83	83	83	821148	811517			<0.2	1.4	1.6
											1.0	0.1	281	21.6	8.4	8.4	24.4	24.4	161.6	161.6	12.4	12.3	2.5	<2	<2	83	87	87	87					<0.2	1.6	1.7
											4.7	0.2	270	20.2	8.3	8.3	26.5	26.5	155.4	155.4	12.1	12.1	3.4	<2	<2	87	88	88	88					<0.2	1.7	1.7
					4.7	0.2	265	20.2	8.3	8.3	26.5	26.5	155.4	155.4	12.1	12.1	3.5	<2	<2	88	90	90	90	<0.2	1.7	1.5										
					8.4	0.2	309	20.0	8.3	8.3	26.8	26.8	150.5	150.5	11.7	11.7	1.1	<2	<2	90	91	91	91	<0.2	1.5	1.5										
					8.4	0.2	304	20.0	8.3	8.3	26.8	26.8	150.6	150.6	11.7	11.7	1.1	<2	<2	91	91	91	91	<0.2	1.5	1.5										
					SR1A	Sunny	Calm	16:11	4.1	Surface	1.0	0.0	191	21.6	8.3	8.3	24.8	24.8	146.9	146.9	11.2	11.2	2.0	<2	<2	-	-	-	-			819975	812656	-	-	-
											1.0	0.0	189	21.6	8.3	8.3	24.8	24.8	146.9	146.9	11.2	11.2	2.0	<2	<2	-	-	-	-					-	-	-
											2.1	-	203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
2.1	0.0	196	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
3.1	0.0	206	21.5	8.3						8.3	24.6	24.6	153.0	153.0	11.7	11.7	3.3	2	2	-	-	-	-	-	-	-	-	-	-							
3.1	0.1	207	21.5	8.3						8.3	24.6	24.6	152.7	152.7	11.7	11.7	3.4	3	3	-	-	-	-	-	-	-	-	-	-	-						
SR2	Sunny	Moderate	16:24	4.6						Surface	1.0	0.1	254	23.1	8.4	8.4	23.3	23.3	146.4	146.4	11.0	11.0	1.4	4	3	82	82	82	82	821471	814149			<0.2	1.5	1.6
											1.0	0.1	247	23.1	8.4	8.4	23.3	23.3	146.4	146.4	11.0	11.0	1.4	3	3	82	82	82	82					<0.2	1.6	1.6
											-	0.1	272	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-
					-	0.1	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					3.6	0.1	252	20.1	8.3	8.3	26.7	26.7	150.4	150.4	11.7	11.7	2.8	3	3	86	86	86	86	<0.2	1.5	1.5										
					3.6	0.1	251	20.1	8.3	8.3	26.7	26.7	150.3	150.3	11.7	11.7	2.8	3	3	86	86	86	86	<0.2	1.5	1.5										
					SR3	Cloudy	Moderate	15:36	8.7	Surface	1.0	0.1	178	21.1	8.3	8.3	23.0	23.0	144.1	143.8	11.2	10.6	0.6	<2	<2	-	-	-	-			822144	807549	-	-	-
											1.0	0.2	172	21.1	8.3	8.3	23.0	23.0	143.5	143.8	11.2	10.6	0.6	<2	<2	-	-	-	-					-	-	
											4.4	0.1	179	19.0	8.1	8.1	26.5	26.5	126.1	126.1	10.0	10.0	1.3	<2	<2	-	-	-	-					-	-	
4.4	0.2	177	19.0	8.1						8.1	26.6	26.6	126.2	126.2	10.0	10.0	1.3	<2	<2	-	-	-	-	-	-											
7.7	0.0	189	18.9	8.1						8.1	26.8	26.8	125.5	125.5	9.9	9.9	3.9	<2	<2	-	-	-	-	-	-											
7.7	0.1	185	18.9	8.1						8.1	26.8	26.8	125.2	125.2	9.9	9.9	3.6	<2	<2	-	-	-	-	-	-											
SR4A	Cloudy	Moderate	16:44	8.8						Surface	1.0	0.0	208	20.9	8.2	8.2	25.5	25.5	133.9	133.9	10.3	10.3	2.2	3	3	-	-	-	-	817179	807802			-	-	-
											1.0	0.1	212	20.9	8.2	8.2	25.5	25.5	133.9	133.9	10.3	10.3	2.2	3	3	-	-	-	-					-	-	
											4.4	0.0	204	19.1	8.1	8.1	27.2	27.2	130.0	129.5	10.2	10.2	3.7	3	3	-	-	-	-					-		
					4.4	0.0	200	19.0	8.1	8.1	27.3	27.3	129.5	129.5	10.2	10.2	4.0	3	3	-	-	-	-	-												
					7.8	0.0	228	18.8	8.1	8.1	27.6	27.6	120.0	119.9	9.5	9.5	4.8	3	3	-	-	-	-	-												
					7.8	0.0	232	18.8	8.1	8.1	27.6	27.6	119.7	119.7	9.5	9.5	4.8	4	4	-	-	-	-	-												
					SR8	Sunny	Calm	15:52	4.3	Surface	1.0	-	-	21.9	8.4	8.4	23.6	23.6	165.2	165.3	12.6	12.6	3.2	2	2	-	-	-	-			820366	811633	-	-	-
											1.0	-	-	21.9	8.4	8.4	23.6	23.6	165.3	165.3	12.6	12.6	3.3	2	2	-	-	-	-					-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-		
-	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
3.3	-	-	21.4	8.4						8.4	24.5	24.4	163.4	163.4	12.5	12.5	4.9	2	2	-	-	-	-	-												
3.3	-	-	21.4	8.4						8.4	24.4	24.4	163.4	163.4	12.5	12.5	5.0	<2	<2	-	-	-	-	-												

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

Water Quality Monitoring Results on 17 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Cloudy	Moderate	12:18	8.4	Surface	1.0	0.1	206	20.1	20.0	8.2	8.2	24.8	24.9	121.2	121.0	9.5	9.3	3.3	4.8	4	5	47	49	815610	804231	<0.2	1.3	<0.2	1.3					
						1.0	0.1	206	19.9	8.2	8.2	24.9	24.9	120.8	121.0	9.5	3.4		4		47		<0.2				1.3								
						4.2	0.1	204	19.3	8.1	8.1	26.4	26.4	115.2	115.1	9.1	4.1		5		49		<0.2				1.3								
					Middle	4.2	0.1	200	19.3	8.1	8.1	26.4	26.4	114.9	115.1	9.1	4.0	5	49	<0.2	1.3														
						7.4	0.1	224	19.3	8.1	8.1	26.5	26.5	113.2	113.1	8.9	7.3	6	50	<0.2	1.3														
						7.4	0.2	230	19.3	8.1	8.1	26.5	26.5	113.0	113.1	8.9	7.1	6	50	<0.2	1.3														
					C2	Cloudy	Moderate	11:06	12.0	Surface	1.0	0.0	13	20.0	20.0	8.2	8.2	24.1	24.1	121.2	121.2	9.6	9.5	1.7	2.8	10	12	47	49	825671	806963	<0.2	1.1	<0.2	1.1
											1.0	0.0	10	20.0	8.2	8.2	24.1	24.1	121.1	121.2	9.6	1.7		11		48		<0.2				1.1			
											6.0	0.0	7	19.8	8.1	8.1	24.5	24.5	119.3	118.9	9.4	2.3		12		49		<0.2				1.1			
Middle	6.0	0.1	2	19.8						19.8	8.1	8.1	24.4	24.4	118.5	118.9	9.4	2.4	12	48	<0.2	1.2													
	11.0	0.0	0	19.5						19.5	8.1	8.1	25.8	25.8	113.7	113.7	9.0	4.1	12	50	<0.2	1.3													
	11.0	0.0	352	19.5						19.5	8.1	8.1	25.8	25.8	113.6	113.7	9.0	4.5	13	50	<0.2	1.3													
C3	Cloudy	Moderate	12:17	11.2						Surface	1.0	0.3	73	19.9	19.9	8.2	8.2	28.4	28.4	128.6	128.5	9.9	9.8	1.5	1.4	8	7	46	49	822129	817786	<0.2	1.0	<0.2	1.0
											1.0	0.3	65	19.9	19.9	8.2	8.2	28.5	28.4	128.4	128.5	9.9		1.5		8		47				<0.2	1.0		
											5.6	0.3	80	19.4	19.4	8.2	8.2	29.7	29.7	124.8	124.8	9.6		1.3		7		47				<0.2	1.4		
					Middle	5.6	0.2	75	19.4	19.4	8.2	8.2	29.7	29.7	124.8	124.8	9.6	1.3	7	49	<0.2	1.4													
						10.2	0.3	75	19.1	19.1	8.2	8.2	30.4	30.4	118.1	118.0	9.1	1.5	6	51	<0.2	1.1													
						10.2	0.2	76	19.1	19.1	8.2	8.2	30.5	30.5	117.9	118.0	9.1	1.7	6	51	<0.2	1.1													
					IM1	Cloudy	Moderate	12:08	6.7	Surface	1.0	0.1	170	19.5	19.5	8.1	8.1	26.0	26.1	117.4	116.9	9.2	9.1	2.6	2.8	4	4	48	49	818368	806464	<0.2	1.2	<0.2	1.2
											1.0	0.1	177	19.5	19.5	8.1	8.1	26.2	26.1	116.3	116.9	9.2		2.6		4		47				<0.2	1.2		
											3.4	0.1	172	19.4	19.4	8.1	8.1	26.3	26.4	114.8	113.9	9.0		2.9		4		49				<0.2	1.2		
Middle	3.4	0.2	172	19.4						19.4	8.1	8.1	26.5	26.4	113.0	113.9	8.9	2.9	4	50	<0.2	1.3													
	5.7	0.1	205	19.2						19.2	8.1	8.1	27.2	27.1	110.3	109.7	8.7	3.0	4	50	<0.2	1.1													
	5.7	0.1	205	19.2						19.2	8.1	8.1	27.0	27.1	109.1	109.7	8.6	2.9	4	50	<0.2	1.2													
IM2	Cloudy	Moderate	12:02	6.8						Surface	1.0	0.1	173	19.6	19.6	8.1	8.1	25.9	25.9	118.1	117.9	9.3	9.1	2.0	2.5	4	4	47	49	819178	806215	<0.2	1.3	<0.2	1.2
											1.0	0.1	173	19.6	19.6	8.1	8.1	26.0	26.0	117.6	117.9	9.3		2.1		4		47				<0.2	1.2		
											3.4	0.0	147	19.4	19.4	8.1	8.1	26.4	26.6	114.7	113.6	9.0		2.3		4		49				<0.2	1.1		
					Middle	3.4	0.1	141	19.3	19.4	8.1	8.1	26.8	26.6	112.4	113.6	8.9	2.4	4	49	<0.2	1.1													
						5.8	0.0	169	19.2	19.2	8.1	8.1	27.2	27.1	110.8	110.9	8.7	3.0	5	51	<0.2	1.0													
						5.8	0.0	173	19.2	19.2	8.1	8.1	27.0	27.1	110.9	110.9	8.7	3.2	5	51	<0.2	1.1													
					IM7	Cloudy	Moderate	11:43	7.9	Surface	1.0	0.2	83	19.7	19.7	8.1	8.1	24.9	25.1	116.8	116.3	9.2	9.0	2.2	5.8	5	6	47	49	821330	806840	<0.2	1.0	<0.2	1.1
											1.0	0.2	86	19.7	19.7	8.1	8.1	25.2	25.1	115.7	116.3	9.1		2.3		5		48				<0.2	1.1		
											4.0	0.2	73	19.3	19.3	8.1	8.1	26.5	26.5	111.7	111.6	8.8		6.9		6		49				<0.2	1.2		
Middle	4.0	0.2	77	19.3						19.3	8.1	8.1	26.5	26.5	111.5	111.6	8.8	7.4	6	49	<0.2	1.3													
	6.9	0.2	54	19.3						19.3	8.1	8.1	26.6	26.6	111.2	111.0	8.8	8.0	7	51	<0.2	1.2													
	6.9	0.2	55	19.3						19.3	8.1	8.1	26.6	26.6	110.7	111.0	8.7	8.2	7	50	<0.2	1.2													

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Water Quality Monitoring

Water Quality Monitoring Results on 17 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
IM10	Cloudy	Moderate	11:10	7.2	Surface	1.0	0.1	61	20.2	8.2	8.2	25.7	25.7	126.6	126.6	9.9	9.9	3.5	3.5	4	4	47	47			<0.2	<0.2	0.9	0.9					
						1.0	0.1	64	20.1	8.2	8.2	25.7	25.7	126.6	126.6	9.9	9.9	3.6	3.6	3	3	46	46			<0.2	<0.2	0.9	0.9					
						3.6	0.1	53	19.8	8.2	8.2	26.7	26.7	119.4	119.3	9.3	9.6	4.9	4.9	5	5	47	47			<0.2	<0.2	0.8	0.8					
					Middle	3.6	0.2	54	19.8	8.2	8.2	26.7	26.7	119.2	119.2	9.3	9.3	5.0	5.0	5	5	49	49			<0.2	<0.2	0.9	0.9					
						6.2	0.1	47	19.7	8.2	8.2	28.2	28.2	118.2	118.2	9.2	9.2	5.1	5.1	7	7	51	51			<0.2	<0.2	0.9	0.9					
						6.2	0.1	51	19.7	8.2	8.2	28.2	28.2	118.1	118.1	9.2	9.2	5.1	5.1	7	7	51	51			<0.2	<0.2	0.9	0.9					
					IM11	Cloudy	Moderate	11:15	6.8	Surface	1.0	0.1	78	20.1	8.2	8.2	26.4	26.4	124.3	124.3	9.7	9.6	2.5	2.5	7	7	46	46			<0.2	<0.2	1.6	1.6
											1.0	0.1	78	20.1	8.2	8.2	26.4	26.4	124.2	124.2	9.6	9.6	2.5	2.5	7	7	47	47			<0.2	<0.2	1.1	1.1
											3.4	0.1	69	20.1	8.2	8.2	26.9	26.9	122.6	122.5	9.5	9.6	2.6	2.6	6	6	47	47			<0.2	<0.2	1.6	1.6
Middle	3.4	0.1	66	20.0						8.2	8.2	27.0	27.0	122.3	122.3	9.5	9.5	2.7	2.7	6	6	49	49			<0.2	<0.2	1.0	1.0					
	5.8	0.1	49	19.9						8.2	8.2	27.5	27.5	120.3	120.2	9.3	9.3	2.9	2.9	5	5	50	50			<0.2	<0.2	1.0	1.0					
	5.8	0.0	49	19.9						8.2	8.2	27.5	27.5	120.1	120.1	9.3	9.3	2.9	2.9	5	5	51	51			<0.2	<0.2	1.1	1.1					
IM12	Cloudy	Moderate	11:21	8.2						Surface	1.0	0.1	90	20.0	8.2	8.2	27.4	27.4	125.1	125.1	9.7	9.7	3.5	3.5	5	5	47	47			<0.2	<0.2	1.0	1.0
											1.0	0.1	89	20.0	8.2	8.2	27.4	27.4	125.0	125.0	9.7	9.7	3.6	3.6	5	5	47	47			<0.2	<0.2	1.0	1.0
											4.1	0.1	67	19.9	8.2	8.2	27.7	27.7	119.1	119.0	9.2	9.5	3.9	3.9	7	7	49	49			<0.2	<0.2	1.6	1.6
					Middle	4.1	0.2	71	19.9	8.2	8.2	27.7	27.7	118.8	118.8	9.2	9.2	3.9	3.9	7	7	48	48			<0.2	<0.2	1.6	1.6					
						7.2	0.1	94	19.9	8.2	8.2	27.8	27.8	116.0	116.0	9.0	9.0	7.2	7.2	8	8	50	50			<0.2	<0.2	1.7	1.7					
						7.2	0.1	95	19.9	8.2	8.2	27.8	27.8	115.9	115.9	9.0	9.0	7.0	7.0	7	7	50	50			<0.2	<0.2	1.6	1.6					
					SR1A	Cloudy	Moderate	11:46	4.3	Surface	1.0	0.0	44	20.1	8.2	8.2	27.6	27.6	121.8	121.4	9.4	9.4	3.8	3.8	6	6	-	-			-	-	-	-
											1.0	0.0	37	20.1	8.2	8.2	27.6	27.6	121.0	121.0	9.3	9.4	3.7	3.7	7	7	-	-			-	-	-	-
											2.2	0.0	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	2.2	0.1	37	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	3.3	0.0	38	20.0						8.2	8.2	27.8	27.8	116.8	116.7	9.0	9.0	3.3	3.3	8	8	-	-			-	-	-	-	-	-			
	3.3	0.0	32	20.0						8.2	8.2	27.8	27.8	116.6	116.6	9.0	9.0	3.3	3.3	8	8	-	-			-	-	-	-	-	-			
SR2	Cloudy	Moderate	11:57	4.5						Surface	1.0	0.2	48	19.9	8.2	8.2	28.1	28.1	124.4	124.4	9.6	9.6	3.4	3.4	8	8	48	48			0.2	0.2	1.5	1.5
											1.0	0.1	51	19.9	8.2	8.2	28.1	28.1	124.3	124.3	9.6	9.6	3.4	3.4	8	8	49	49			0.2	0.2	1.5	1.5
											-	0.1	45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	0.1	43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.5	0.1	56	19.7	8.2	8.2	28.4	28.4	119.5	119.4	9.2	9.2	3.1	3.1	8	8	50	50			0.2	0.2	1.5	1.5					
						3.5	0.1	59	19.7	8.2	8.2	28.4	28.4	119.3	119.3	9.2	9.2	3.1	3.1	8	8	51	51			0.2	0.2	1.6	1.6					
					SR3	Cloudy	Moderate	11:37	8.5	Surface	1.0	0.1	101	19.9	8.2	8.1	24.1	24.3	119.3	118.5	9.4	9.3	1.4	1.4	11	11	-	-			-	-	-	-
											1.0	0.1	99	19.7	8.1	8.1	24.5	24.5	117.6	117.6	9.3	9.3	1.5	1.5	10	10	-	-			-	-	-	-
											4.3	0.1	83	19.7	8.1	8.1	24.8	24.8	116.6	116.2	9.2	9.2	2.7	2.7	8	8	-	-			-	-	-	-
Middle	4.3	0.1	82	19.7						8.1	8.1	24.9	24.8	115.7	115.7	9.1	9.1	3.0	3.0	8	8	-	-			-	-	-	-					
	7.5	0.1	120	19.3						8.1	8.1	26.5	26.4	111.1	111.1	8.8	8.8	9.0	9.0	8	8	-	-			-	-	-	-					
	7.5	0.1	114	19.4						8.1	8.1	26.4	26.4	111.3	111.2	8.8	8.8	9.0	9.0	8	8	-	-			-	-	-	-					
SR4A	Cloudy	Moderate	12:30	8.6						Surface	1.0	0.1	80	19.9	8.1	8.1	25.8	25.9	116.5	115.7	9.1	9.0	4.2	4.2	5	5	-	-			-	-	-	-
											1.0	0.0	72	19.7	8.1	8.1	26.0	26.0	114.8	114.8	9.0	9.0	4.4	4.4	4	4	-	-			-	-	-	-
											4.3	0.0	59	19.4	8.1	8.1	26.3	26.3	112.7	112.5	8.9	8.9	5.4	5.4	5	5	-	-			-	-	-	-
					Middle	4.3	0.1	54	19.4	8.1	8.1	26.3	26.3	112.3	112.3	8.8	8.8	5.4	5.4	6	6	-	-			-	-	-	-					
						7.6	0.0	85	19.4	8.1	8.1	26.4	26.4	109.7	109.6	8.6	8.6	5.8	5.8	6	6	-	-			-	-	-	-					
						7.6	0.0	86	19.4	8.1	8.1	26.4	26.4	109.5	109.5	8.6	8.6	6.1	6.1	6	6	-	-			-	-	-	-					
					SR8	Cloudy	Moderate	11:26	4.4	Surface	1.0	-	-	20.2	8.2	8.2	27.7	27.7	124.9	124.9	9.6	9.6	3.0	3.0	10	10	-	-			-	-	-	-
											1.0	-	-	20.2	8.2	8.2	27.7	27.7	124.8	124.8	9.6	9.6	3.1	3.1	10	10	-	-			-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.4	-	-	19.9						8.2	8.2	27.9	27.9	118.5	118.4	9.2	9.2	4.4	4.4	10	10	-	-			-	-	-	-					
	3.4	-	-	19.9						8.2	8.2	27.9	27.9	118.3	118.3	9.1	9.1	4.5	4.5	10	10	-	-			-	-	-	-					

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

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

Water Quality Monitoring Results on 17 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
C1	Cloudy	Moderate	07:45	8.2	Surface	1.0	0.3	24	19.4	19.4	8.1	8.1	25.4	25.5	115.4	115.2	9.1	8.9	3.5	6.0	4	5	46	49	815640	804234	<0.2	1.1	1.3							
						1.0	0.3	16	19.4	19.3	8.1	8.1	25.5	26.0	115.0	109.3	9.1	8.6	3.8	4.2	3	5	48	49			<0.2	1.2	1.3							
						4.1	0.4	45	19.3	19.3	8.1	8.1	26.0	26.0	109.4	109.3	8.6	8.6	4.4	4.4	5	5	49	51			<0.2	1.4	1.4							
					Middle	4.1	0.4	45	19.3	19.3	8.1	8.1	26.1	26.3	109.1	107.3	8.6	8.4	4.4	9.9	5	6	49	51			<0.2	1.2	1.4							
						7.2	0.3	10	19.3	19.3	8.1	8.1	26.3	26.4	107.4	107.3	8.4	8.4	9.9	9.9	6	6	51	51			<0.2	1.4	1.3							
						7.2	0.3	6	19.2	19.3	8.1	8.1	26.3	26.4	107.2	107.3	8.4	8.4	9.9	9.9	6	6	51	51			<0.2	1.3	1.3							
					C2	Cloudy	Moderate	08:53	11.6	Surface	1.0	0.3	338	19.9	19.9	8.1	8.1	24.3	24.3	119.9	119.7	9.5	9.4	2.1			2.7	4	8	47	49	825661	806950	<0.2	1.3	1.3
											1.0	0.3	333	19.8	19.8	8.1	8.1	24.4	24.6	119.5	117.6	9.4	9.4	2.2			2.5	3	9	48	49			<0.2	1.3	1.3
											5.8	0.3	359	19.8	19.8	8.1	8.1	24.6	24.9	118.6	116.5	9.4	9.2	2.5			2.8	9	9	49	49			<0.2	1.3	1.3
Middle	5.8	0.3	4	19.8						19.8	8.1	8.1	24.9	25.5	116.5	115.0	9.2	9.1	2.8	3.2	9	10	49	51	<0.2	1.2	1.2									
	10.6	0.4	343	19.6						19.6	8.1	8.1	25.5	25.5	115.0	115.0	9.1	9.1	3.2	3.2	10	10	51	51	<0.2	1.2	1.2									
	10.6	0.4	341	19.6						19.6	8.1	8.1	25.5	25.5	115.0	115.0	9.1	9.1	3.2	3.2	10	10	51	51	<0.2	1.2	1.2									
C3	Cloudy	Moderate	07:28	11.2						Surface	1.0	0.4	249	19.8	19.8	8.1	8.1	27.8	27.7	125.0	125.0	9.7	9.6	1.1	1.9	10	12	47	49	822128	817812			<0.2	1.1	1.0
											1.0	0.4	251	19.8	19.8	8.1	8.1	27.7	29.5	125.0	121.3	9.7	9.4	1.1	1.6	10	12	46	48					<0.2	1.0	0.9
											5.6	0.4	276	19.2	19.2	8.1	8.1	29.5	29.5	121.3	121.3	9.4	9.4	1.6	1.6	12	12	48	49					<0.2	0.9	0.9
					Middle	5.6	0.4	282	19.2	19.2	8.1	8.1	29.5	29.5	121.3	120.2	9.4	9.3	1.6	3.2	12	13	49	50	<0.2	0.9	1.2									
						10.2	0.4	260	19.2	19.2	8.1	8.1	29.5	29.5	120.2	120.2	9.3	9.3	3.2	3.2	13	13	50	51	<0.2	1.2	1.2									
						10.2	0.4	265	19.2	19.2	8.1	8.1	29.5	29.5	120.1	120.2	9.3	9.3	3.0	3.0	13	13	51	51	<0.2	1.1	1.1									
					IM1	Cloudy	Moderate	07:56	6.5	Surface	1.0	0.3	12	19.3	19.3	8.1	8.1	26.6	26.6	110.7	109.9	8.7	8.5	5.4	7.4	7	6	46	49			818331	806448	<0.2	1.1	1.2
											1.0	0.3	18	19.2	19.2	8.1	8.1	26.6	26.7	109.0	106.7	8.6	8.4	5.7	6.9	7	6	46	49					<0.2	1.2	1.2
											3.3	0.2	6	19.2	19.2	8.1	8.1	26.7	26.8	106.9	106.5	8.4	8.4	6.9	8.5	6	6	49	49					<0.2	1.2	1.2
Middle	3.3	0.2	11	19.2						19.2	8.1	8.1	26.8	26.8	106.5	103.8	8.4	8.2	8.5	9.0	6	6	49	51	<0.2	1.2	1.2									
	5.5	0.3	354	19.2						19.2	8.1	8.1	26.8	26.8	103.9	103.8	8.2	8.2	9.0	9.0	6	6	51	51	<0.2	1.2	1.2									
	5.5	0.3	358	19.2						19.2	8.1	8.1	26.8	26.8	103.7	103.8	8.1	8.1	9.0	9.0	6	6	51	51	<0.2	1.3	1.3									
IM2	Cloudy	Moderate	08:01	6.8						Surface	1.0	0.3	13	19.6	19.6	8.1	8.1	25.6	25.7	111.0	110.5	8.7	8.5	3.8	3.6	5	6	46	49	819183	806223			<0.2	1.3	1.3
											1.0	0.3	6	19.6	19.5	8.1	8.1	25.7	26.0	109.9	105.8	8.6	8.3	3.8	3.9	5	6	47	49					<0.2	1.5	1.2
											3.4	0.3	6	19.5	19.5	8.1	8.1	26.0	26.3	105.9	105.7	8.3	8.3	3.9	3.7	6	5	49	49					<0.2	1.2	1.1
					Middle	3.4	0.3	1	19.4	19.4	8.1	8.1	26.3	27.3	105.7	105.4	8.3	8.3	3.7	3.1	5	7	49	51	<0.2	1.1	1.3									
						5.8	0.3	37	19.1	19.2	8.1	8.1	27.3	27.1	105.4	104.9	8.3	8.2	3.1	3.4	7	7	51	51	<0.2	1.3	1.3									
						5.8	0.3	36	19.2	19.2	8.1	8.1	27.1	27.2	104.9	105.2	8.2	8.2	3.4	3.4	7	7	51	51	<0.2	1.4	1.4									
					IM7	Cloudy	Moderate	08:21	7.9	Surface	1.0	0.3	10	19.7	19.7	8.1	8.1	24.2	24.6	112.3	112.1	8.9	8.7	1.4	4.2	2	3	47	49			821345	806850	<0.2	1.4	1.4
											1.0	0.3	3	19.6	19.4	8.1	8.1	25.0	26.0	111.8	107.8	8.8	8.6	1.5	5.0	3	3	48	49					<0.2	1.3	1.4
											4.0	0.2	356	19.4	19.4	8.1	8.1	26.0	26.2	108.9	106.6	8.6	8.4	5.0	5.2	3	3	49	49					<0.2	1.4	1.4
Middle	4.0	0.2	0	19.4						19.4	8.1	8.1	26.2	26.4	106.6	105.0	8.4	8.2	5.2	6.1	3	4	49	51	<0.2	1.4	1.4									
	6.9	0.2	351	19.4						19.4	8.1	8.1	26.4	26.4	105.0	105.1	8.2	8.2	6.1	5.8	4	4	51	51	<0.2	1.4	1.4									
	6.9	0.2	349	19.4						19.4	8.1	8.1	26.4	26.4	105.1	105.1	8.2	8.2	5.8	5.8	4	4	50	50	<0.2	1.5	1.5									

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

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

Water Quality Monitoring Results on 17 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
IM10	Cloudy	Moderate	08:44	7.8	Surface	1.0	0.3	293	20.2	20.2	8.2	8.2	25.9	25.9	123.6	123.6	9.6	9.6	2.5	2.5	11	11	46	46	822227	809814	<0.2	0.8	0.9	0.9			
						1.0	0.4	291	20.2	8.2	8.2	25.9	25.9	123.5	123.5	9.6	9.6	2.6	2.6	11	11	47	47	<0.2			0.9	0.9					
						3.9	0.3	292	20.2	8.2	8.2	26.2	26.3	122.8	122.8	9.5	9.5	3.3	3.3	8	8	48	49	<0.2			0.9	0.9					
					3.9	0.3	288	20.2	8.2	8.2	26.3	26.3	122.8	122.8	9.5	9.5	3.5	3.5	8	8	49	50	<0.2	0.8			0.8						
					6.8	0.4	288	20.2	8.2	8.2	27.2	27.2	116.8	116.8	9.0	9.0	5.4	5.4	8	8	50	51	<0.2	0.8			0.8						
					6.8	0.3	287	20.3	8.2	8.2	27.1	27.1	116.6	116.6	9.0	9.0	5.4	5.4	8	8	51	51	<0.2	0.9			0.9						
IM11	Cloudy	Moderate	08:38	8.2	Surface	1.0	0.4	288	20.1	20.1	8.2	8.2	27.1	27.2	122.9	122.9	9.5	9.5	4.3	4.3	11	11	46	46	821506	810556	<0.2	0.9	0.9	0.8			
						1.0	0.4	281	20.1	8.2	8.2	27.2	27.2	122.9	122.9	9.5	9.5	4.4	4.4	11	11	47	47	<0.2			0.9	0.9					
						4.1	0.4	294	20.3	8.2	8.1	27.2	27.2	116.0	116.0	8.9	8.9	3.6	3.6	11	10	47	48	<0.2			0.8	0.7					
					4.1	0.4	295	20.3	8.1	8.1	27.2	27.2	115.9	115.9	8.9	8.9	3.5	3.5	10	9	48	50	<0.2	0.9			0.9						
					7.2	0.3	286	20.1	8.2	8.2	27.6	27.6	116.6	116.6	9.0	9.0	5.7	5.7	9	9	50	51	<0.2	0.9			0.8						
					7.2	0.3	279	20.1	8.2	8.2	27.6	27.6	116.3	116.3	9.0	9.0	6.0	6.0	9	9	51	51	<0.2	0.8			0.8						
IM12	Cloudy	Moderate	08:32	8.2	Surface	1.0	0.4	280	20.0	20.0	8.2	8.2	27.5	27.5	122.6	122.6	9.5	9.5	3.9	3.9	4	4	46	46	821166	811526	<0.2	0.9	0.9	0.9			
						1.0	0.4	275	19.9	8.2	8.2	27.5	27.5	122.5	122.5	9.5	9.5	4.1	4.1	4	4	47	47	<0.2			0.9	0.9					
						4.1	0.4	276	19.8	8.2	8.2	27.8	27.8	121.0	121.0	9.4	9.4	6.5	6.5	5	5	47	48	<0.2			0.8	0.9					
					4.1	0.4	271	19.8	8.2	8.2	27.8	27.8	121.0	121.0	9.4	9.4	6.5	6.5	5	5	48	50	<0.2	0.9			1.0						
					7.2	0.4	278	19.8	8.2	8.2	27.8	27.8	120.1	120.1	9.3	9.3	7.3	7.3	6	6	50	51	<0.2	1.0			0.9						
					7.2	0.4	273	19.8	8.2	8.2	27.8	27.8	120.0	120.0	9.3	9.3	7.3	7.3	6	6	51	51	<0.2	0.9			0.9						
SR1A	Rainy	Moderate	08:03	4.5	Surface	1.0	0.1	190	20.3	20.3	8.2	8.2	26.9	26.9	119.0	119.0	9.2	9.2	2.8	2.8	11	11	-	-	819979	812653	-	-	-	-			
						1.0	0.1	193	20.3	8.2	8.2	26.9	26.9	118.8	118.8	9.2	9.2	2.9	2.9	11	11	-	-	-			-						
						2.3	-	214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-	-	
					2.3	0.0	207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-	-	-
					3.5	0.0	214	20.3	8.2	8.1	27.2	27.2	116.0	116.0	8.9	8.9	3.6	3.6	12	12	-	-	-	-			-	-	-		-	-	
					3.5	0.1	221	20.3	8.1	8.1	27.2	27.2	115.9	115.9	8.9	8.9	3.5	3.5	12	12	-	-	-	-			-	-	-		-	-	-
SR2	Rainy	Moderate	07:48	4.6	Surface	1.0	0.1	237	20.0	20.0	8.1	8.1	27.4	27.4	123.4	123.4	9.6	9.6	1.7	1.7	11	11	48	48	821483	814158	<0.2	1.0	1.0	1.0			
						1.0	0.2	235	20.0	8.1	8.1	27.4	27.4	123.3	123.3	9.6	9.6	1.7	1.7	11	11	47	47	<0.2			1.0	1.0					
						-	0.1	236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-	-	-
					-	0.1	228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-	-	
					3.6	0.1	249	20.0	8.1	8.1	27.4	27.4	122.9	122.9	9.5	9.5	1.8	1.8	9	9	50	51	<0.2	1.0			1.0						
					3.6	0.1	243	20.0	8.1	8.1	27.4	27.4	122.9	122.9	9.5	9.5	1.8	1.8	9	9	51	51	<0.2	0.8			0.8						
SR3	Cloudy	Moderate	08:27	8.6	Surface	1.0	0.3	349	19.8	19.8	8.2	8.1	24.3	24.3	113.5	112.7	8.9	8.9	1.8	1.8	9	9	-	-	822133	807550	-	-	-	-			
						1.0	0.3	342	19.8	8.1	8.1	24.3	24.3	111.8	110.8	8.8	8.8	1.8	1.8	10	10	-	-	-			-						
						4.3	0.4	336	19.7	8.1	8.1	24.6	24.6	110.8	110.4	8.7	8.7	3.3	3.3	9	9	-	-	-			-						
					4.3	0.4	331	19.6	8.1	8.1	25.2	25.2	109.9	109.9	8.7	8.7	3.1	3.1	9	9	-	-	-	-									
					7.6	0.4	342	19.4	8.1	8.1	26.1	26.1	105.3	105.4	8.3	8.3	8.0	8.0	6	6	-	-	-	-									
					7.6	0.3	341	19.5	8.1	8.1	25.8	25.8	105.5	105.5	8.3	8.3	7.8	7.8	6	6	-	-	-	-									
SR4A	Cloudy	Moderate	07:27	8.8	Surface	1.0	0.0	194	19.4	19.4	8.1	8.1	26.1	26.1	111.6	111.1	8.8	8.8	4.1	4.1	6	6	-	-	817200	807788	-	-	-	-			
						1.0	0.0	189	19.4	8.1	8.1	26.1	26.1	110.5	108.1	8.7	8.7	4.2	4.2	6	6	-	-	-			-						
						4.4	0.1	211	19.4	8.1	8.1	26.1	26.1	109.0	107.2	8.6	8.6	4.7	4.7	7	7	-	-	-			-						
					4.4	-	204	19.4	8.1	8.1	26.2	26.2	107.2	104.5	8.4	8.4	4.8	4.8	7	7	-	-	-	-									
					7.8	0.0	198	19.4	8.1	8.1	26.2	26.2	103.3	103.9	8.2	8.2	8.7	8.7	8	8	-	-	-	-									
					7.8	0.0	194	19.4	8.1	8.1	26.2	26.2	103.3	103.3	8.1	8.1	7.7	7.7	7	7	-	-	-	-									
SR8	Rainy	Moderate	08:26	4.6	Surface	1.0	-	-	20.0	20.0	8.2	8.2	27.7	27.7	121.7	121.7	9.4	9.4	4.5	4.5	7	7	-	-	820372	811608	-	-	-	-			
						1.0	-	-	20.0	20.0	8.2	8.2	27.7	27.7	121.7	121.7	9.4	9.4	4.5	4.5	7	7	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-		
					3.6	-	-	19.8	19.8	8.2	8.2	28.0	28.0	117.3	117.2	9.1	9.1	5.9	5.9	6	6	-	-	-			-						
					3.6	-	-	19.8	19.8	8.2	8.2	28.0	28.0	117.1	117.1	9.1	9.1	5.9	5.9	5	5	-	-	-			-						

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

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

Water Quality Monitoring Results on 19 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Rough	13:53	6.8	Surface	1.0	0.4	220	20.5	8.2	8.2	26.6	26.6	136.6	136.6	10.5	9.8	5.1	8	43	47	8	47	815628	804229	<0.2	1.9	<0.2	1.8	
						1.0	0.4	220	20.5	8.2	8.2	26.6	26.6	136.6	136.6	10.5	9.8	5.1	7	43	47	8	47	815628	804229	<0.2	1.8	<0.2	1.8	
					Middle	3.4	0.3	194	19.6	8.1	8.1	27.1	27.1	115.5	115.5	9.0	8.7	4.5	6	47	47	6	47	815628	804229	<0.2	2.0	<0.2	1.9	
						3.4	0.3	193	19.6	8.1	8.1	27.1	27.1	115.5	115.5	9.0	8.7	4.5	6	47	47	6	47	815628	804229	<0.2	1.9	<0.2	1.8	
					Bottom	5.8	0.3	206	19.4	8.1	8.1	27.3	27.3	111.3	111.3	8.7	8.7	9.7	5	51	51	5	51	815628	804229	<0.2	1.8	<0.2	1.8	
						5.8	0.3	212	19.4	8.1	8.1	27.3	27.3	111.2	111.2	8.7	8.7	9.8	6	51	51	6	51	815628	804229	<0.2	1.8	<0.2	1.8	
C2	Sunny	Rough	12:38	7.9	Surface	1.0	0.2	160	20.4	8.2	8.2	25.1	25.1	117.3	117.3	9.1	9.0	4.1	6	41	41	6	41	825688	806935	<0.2	2.0	<0.2	2.0	
						1.0	0.1	165	20.4	8.2	8.2	25.1	25.1	117.2	117.2	9.1	9.0	4.1	7	41	41	6	47	825688	806935	<0.2	2.0	<0.2	2.0	
					Middle	4.0	0.2	158	19.9	8.1	8.1	26.1	26.0	113.4	113.5	8.9	8.8	8.3	6	47	47	6	47	825688	806935	<0.2	1.8	<0.2	1.6	
						4.0	0.2	160	20.0	8.2	8.1	26.0	26.0	113.5	113.5	8.9	8.8	8.3	6	47	47	6	47	825688	806935	<0.2	1.6	<0.2	1.6	
					Bottom	6.9	0.1	184	19.7	8.2	8.2	26.7	26.7	112.1	112.1	8.8	8.8	9.1	5	51	51	5	51	825688	806935	<0.2	1.8	<0.2	1.6	
						6.9	0.2	176	19.7	8.2	8.2	26.7	26.7	112.0	112.0	8.7	8.8	9.1	6	51	51	6	51	825688	806935	<0.2	1.6	<0.2	1.6	
C3	Cloudy	Moderate	13:26	11.6	Surface	1.0	0.4	73	20.8	8.2	8.2	28.4	28.4	139.3	139.2	10.6	9.8	2.5	7	46	47	7	46	822090	817781	<0.2	1.6	<0.2	1.5	
						1.0	0.4	74	20.8	8.2	8.2	28.4	28.4	139.1	139.1	10.5	9.8	2.4	7	47	47	7	47	822090	817781	<0.2	1.5	<0.2	1.5	
					Middle	5.8	0.4	75	19.7	8.1	8.1	29.8	29.8	118.2	118.2	9.1	9.1	5.9	8	48	48	8	48	822090	817781	<0.2	1.5	<0.2	1.5	
						5.8	0.4	72	19.7	8.1	8.1	29.8	29.8	118.1	118.1	9.1	9.1	6.0	7	49	49	7	49	822090	817781	<0.2	1.5	<0.2	1.5	
					Bottom	10.6	0.3	63	19.6	8.2	8.2	30.2	30.2	118.5	118.5	9.1	9.1	5.3	9	50	50	9	50	822090	817781	<0.2	1.5	<0.2	1.5	
						10.6	0.3	70	19.6	8.2	8.2	30.2	30.2	118.5	118.5	9.1	9.1	5.3	7	51	51	7	51	822090	817781	<0.2	1.4	<0.2	1.4	
IM1	Sunny	Moderate	13:33	7.1	Surface	1.0	0.1	175	20.6	8.2	8.2	26.6	26.6	132.4	132.1	10.2	9.6	3.1	8	41	42	6	41	818361	806444	<0.2	1.8	<0.2	1.6	
						1.0	0.1	172	20.6	8.2	8.2	26.6	26.6	131.8	131.8	10.1	9.6	3.1	6	42	42	6	42	818361	806444	<0.2	1.6	<0.2	1.6	
					Middle	3.6	0.1	166	19.6	8.1	8.1	27.1	27.1	116.7	116.7	9.1	9.1	4.2	7	43	43	7	43	818361	806444	<0.2	1.9	<0.2	1.9	
						3.6	0.2	161	19.6	8.1	8.1	27.1	27.1	116.7	116.7	9.1	9.1	4.3	7	44	44	7	44	818361	806444	<0.2	2.0	<0.2	2.0	
					Bottom	6.1	0.2	206	19.5	8.1	8.1	27.3	27.3	112.3	112.4	8.8	8.8	7.4	5	49	49	5	49	818361	806444	<0.2	1.6	<0.2	1.6	
						6.1	0.2	205	19.5	8.1	8.1	27.3	27.3	112.4	112.4	8.8	8.8	7.5	6	49	49	6	49	818361	806444	<0.2	1.8	<0.2	1.8	
IM2	Sunny	Moderate	13:20	6.9	Surface	1.0	0.1	174	20.2	8.2	8.2	26.7	26.7	125.3	125.2	9.7	9.4	3.4	6	44	44	6	44	819191	806222	<0.2	1.7	<0.2	1.7	
						1.0	0.1	176	20.2	8.2	8.2	26.7	26.7	125.1	125.1	9.7	9.4	3.5	7	44	44	7	44	819191	806222	<0.2	1.7	<0.2	1.7	
					Middle	3.5	0.1	168	19.6	8.2	8.2	27.1	27.1	115.4	115.3	9.0	8.6	4.5	6	47	47	6	47	819191	806222	<0.2	1.7	<0.2	1.7	
						3.5	0.2	170	19.6	8.2	8.2	27.1	27.1	115.2	115.2	9.0	8.6	4.5	6	48	48	6	48	819191	806222	<0.2	1.8	<0.2	1.8	
					Bottom	5.9	0.2	161	19.5	8.2	8.2	27.2	27.2	110.2	110.2	8.6	8.6	12.0	5	52	52	5	52	819191	806222	<0.2	1.6	<0.2	1.6	
						5.9	0.2	157	19.5	8.2	8.2	27.2	27.2	110.2	110.2	8.6	8.6	12.1	6	52	52	6	52	819191	806222	<0.2	1.7	<0.2	1.7	
IM7	Sunny	Rough	12:59	6.8	Surface	1.0	0.1	110	20.5	8.1	8.1	24.6	24.6	115.8	115.8	9.0	9.0	2.1	6	43	43	6	43	821333	806842	<0.2	2.0	<0.2	1.9	
						1.0	0.1	108	20.5	8.1	8.1	24.6	24.6	115.8	115.8	9.0	9.0	2.1	5	43	43	5	43	821333	806842	<0.2	1.9	<0.2	1.8	
					Middle	3.4	0.2	87	20.5	8.1	8.1	24.5	24.5	115.9	115.9	9.0	9.0	2.2	7	48	48	7	48	821333	806842	<0.2	1.8	<0.2	1.8	
						3.4	0.2	81	20.5	8.1	8.1	24.5	24.5	115.9	115.9	9.0	9.0	2.2	6	48	48	6	48	821333	806842	<0.2	1.8	<0.2	1.8	
					Bottom	5.8	0.2	107	20.2	8.1	8.1	25.1	25.1	114.6	114.6	9.0	9.0	4.9	5	51	51	5	51	821333	806842	<0.2	2.0	<0.2	2.0	
						5.8	0.1	112	20.2	8.1	8.1	25.1	25.1	114.5	114.5	9.0	9.0	4.9	6	51	51	6	51	821333	806842	<0.2	1.8	<0.2	1.8	

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

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

Water Quality Monitoring Results on 19 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM10	Cloudy	Moderate	12:11	7.5	Surface	1.0	0.1	55	20.6	8.2	8.2	26.6	26.7	123.8	123.8	9.5	9.5	6.5	7.0	6	6	46	46	822223	809858	<0.2	<0.2	1.8	1.8	
						1.0	0.2	47	20.6	8.2	8.2	26.7	26.7	123.7	123.7	9.5	9.5	7.0	7.0	6	6	46	46							
						3.8	0.1	74	20.3	8.2	8.2	27.7	27.7	117.3	117.2	9.0	9.0	11.1	11.1	7	7	43	43							
					3.8	0.2	70	20.3	8.2	8.2	27.7	27.7	117.1	117.1	9.0	9.0	11.1	11.1	7	7	49	49								
					6.5	0.1	54	20.3	8.2	8.2	27.8	27.8	115.7	115.7	8.9	8.9	14.4	14.4	6	6	51	51								
					6.5	0.1	60	20.3	8.2	8.2	27.8	27.8	115.6	115.6	8.9	8.9	14.6	14.6	7	7	51	51								
IM11	Cloudy	Moderate	12:17	8.4	Surface	1.0	0.1	72	20.7	8.2	8.2	27.1	27.1	123.2	123.2	9.4	9.4	4.8	4.8	6	6	45	45	821501	810557	<0.2	<0.2	1.7	1.6	
						1.0	0.2	79	20.7	8.2	8.2	27.1	27.1	123.2	123.2	9.4	9.4	4.8	4.8	6	6	46	46							
						4.2	0.2	75	20.7	8.2	8.2	27.3	27.3	122.3	122.3	9.3	9.3	5.2	5.2	5	5	48	48							
					4.2	0.1	70	20.7	8.2	8.2	27.3	27.3	122.2	122.2	9.3	9.3	5.2	5.2	4	4	48	48								
					7.4	0.1	87	20.7	8.2	8.2	27.4	27.4	120.8	120.9	9.2	9.2	5.2	5.2	6	6	50	50								
					7.4	0.0	81	20.7	8.2	8.2	27.4	27.4	120.9	120.9	9.2	9.2	5.2	5.2	5	5	51	51								
IM12	Cloudy	Moderate	12:23	9.1	Surface	1.0	0.2	107	20.7	8.2	8.2	27.6	27.6	126.2	126.2	9.6	9.6	4.6	4.7	6	6	46	47	821171	811534	<0.2	<0.2	1.7	1.8	
						1.0	0.2	110	20.7	8.2	8.2	27.6	27.6	126.1	126.1	9.6	9.6	4.7	4.7	6	6	47	47							
						4.6	0.2	112	20.5	8.2	8.2	27.6	27.6	119.7	119.7	9.2	9.2	4.8	4.8	6	6	49	49							
					4.6	0.3	118	20.5	8.2	8.2	27.6	27.6	119.6	119.6	9.2	9.2	5.0	5.0	6	6	48	48								
					8.1	0.2	92	20.5	8.2	8.2	27.7	27.7	117.7	117.6	9.0	9.0	2.6	2.6	7	7	50	50								
					8.1	0.2	86	20.5	8.2	8.2	27.6	27.6	117.5	117.5	9.0	9.0	2.8	2.8	6	6	50	50								
SR1A	Cloudy	Moderate	12:53	5.4	Surface	1.0	0.0	43	20.9	8.2	8.2	27.4	27.4	124.5	124.5	9.5	9.5	3.9	3.9	6	6	-	-	819977	812660	-	-	-	-	
						1.0	-	48	20.9	8.2	8.2	27.4	27.4	124.5	124.5	9.5	9.5	3.9	3.9	5	5	-	-							
						2.7	0.1	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-				
					2.7	0.1	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					4.4	0.0	66	20.6	8.2	8.2	27.6	27.6	122.8	122.8	9.4	9.4	6.7	6.7	6	6	-	-								
					4.4	0.1	67	20.6	8.2	8.2	27.6	27.6	122.8	122.8	9.4	9.4	6.6	6.6	7	7	-	-								
SR2	Cloudy	Moderate	13:07	4.8	Surface	1.0	0.3	55	20.6	8.2	8.2	27.9	27.9	126.0	126.0	9.6	9.6	4.6	4.6	6	5	48	48	821452	814151	<0.2	<0.2	1.5	1.5	
						1.0	0.2	62	20.6	8.2	8.2	27.9	27.9	125.9	125.9	9.6	9.6	4.6	4.6	6	6	-	-							
						-	0.2	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-				
					-	0.2	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					3.8	0.2	31	19.8	8.1	8.1	29.5	29.4	117.3	117.3	9.0	9.0	4.2	4.2	5	5	50	50								
					3.8	0.2	24	19.9	8.1	8.1	29.4	29.4	117.2	117.2	9.0	9.0	4.2	4.2	7	7	51	51								
SR3	Sunny	Rough	12:50	7.1	Surface	1.0	0.1	93	20.5	8.2	8.2	24.5	24.5	115.6	115.6	9.0	9.0	2.1	2.1	5	6	-	-	822151	807565	-	-	-	-	
						1.0	0.1	92	20.5	8.2	8.2	24.5	24.5	115.6	115.6	9.0	9.0	2.1	2.1	6	6	-	-							
						3.6	0.1	114	20.2	8.2	8.2	25.2	25.2	114.0	114.0	8.9	8.9	5.4	5.4	5	5	-	-							
					3.6	0.1	119	20.2	8.2	8.2	25.2	25.2	113.9	113.9	8.9	8.9	5.4	5.4	6	6	-	-								
					6.1	0.1	114	20.2	8.2	8.2	25.7	25.7	113.4	113.4	8.8	8.8	7.1	7.1	5	5	-	-								
					6.1	0.1	106	20.2	8.2	8.2	25.7	25.7	113.3	113.3	8.8	8.8	7.1	7.1	6	6	-	-								
SR4A	Sunny	Moderate	14:16	9.5	Surface	1.0	0.0	32	20.6	8.2	8.2	26.4	26.4	123.0	123.0	9.5	9.5	5.5	5.5	6	6	-	-	817188	807818	-	-	-	-	
						1.0	0.0	37	20.6	8.2	8.2	26.4	26.4	122.9	122.9	9.5	9.5	5.5	5.5	6	6	-	-							
						4.8	0.0	28	19.9	8.1	8.1	26.7	26.7	114.7	114.7	8.9	8.9	7.9	7.9	6	6	-	-							
					4.8	0.0	23	19.9	8.1	8.1	26.7	26.7	114.6	114.6	8.9	8.9	7.9	7.9	6	6	-	-								
					8.5	0.0	58	19.8	8.1	8.1	26.8	26.8	112.5	112.5	8.8	8.8	9.5	9.5	7	7	-	-								
					8.5	0.1	64	19.8	8.1	8.1	26.8	26.8	112.5	112.5	8.8	8.8	9.5	9.5	6	6	-	-								
SR8	Cloudy	Moderate	12:28	4.7	Surface	1.0	-	-	21.2	8.3	8.3	27.3	27.3	128.0	127.9	9.7	9.7	5.4	6.1	6	5	-	-	820406	811634	-	-	-	-	
						1.0	-	-	21.2	8.3	8.3	27.3	27.3	127.7	127.7	9.7	9.7	5.4	6.1	6	5	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					3.7	-	-	21.0	8.3	8.3	27.3	27.3	123.5	123.5	9.4	9.4	12.6	12.6	7	7	-	-								
					3.7	-	-	21.0	8.3	8.3	27.3	27.3	123.5	123.5	9.4	9.4	11.8	11.8	5	5	-	-								

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

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

Water Quality Monitoring Results on 19 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Fine	Rough	07:42	7.7	Surface	1.0	0.3	45	19.6	19.6	8.1	8.1	26.2	26.2	117.4	117.5	9.2	9.0	5.4	7.5	12	11	43	48	815617	804254	<0.2	<0.2	2.0	1.9					
						1.0	0.3	38	19.6	19.1	8.1	8.1	26.2	26.2	117.5	117.5	9.2	9.0	5.4	7.5	13	11	43	48	815617	804254	<0.2	<0.2	1.9	1.8					
					Middle	3.9	0.3	24	19.1	19.1	8.1	8.1	28.3	28.3	111.5	111.5	8.7	8.7	9.1	9.1	12	11	48	48	815617	804254	<0.2	<0.2	1.8	1.9					
						3.9	0.3	23	19.1	19.1	8.1	8.1	28.3	28.3	111.5	111.5	8.7	8.7	9.1	9.1	13	11	48	48	815617	804254	<0.2	<0.2	1.9	1.8					
					Bottom	6.7	0.4	51	19.1	19.1	8.1	8.1	28.8	28.8	109.0	108.8	8.5	8.5	7.9	7.9	7	7	52	52	815617	804254	<0.2	<0.2	1.8	1.9					
						6.7	0.3	49	19.1	19.1	8.1	8.1	28.8	28.8	108.6	108.8	8.5	8.5	7.9	7.9	8	7	52	52	815617	804254	<0.2	<0.2	1.9	1.9					
					C2	Fine	Rough	08:52	8.2	Surface	1.0	0.5	340	20.2	20.2	8.1	8.1	25.1	25.1	115.4	115.4	9.0	9.0	5.1	6.1	3	5	44	48	825696	806949	<0.2	<0.2	1.8	1.8
											1.0	0.4	340	20.2	20.2	8.1	8.1	25.1	25.1	115.4	115.4	9.0	9.0	5.1	6.1	5	5	44	47	825696	806949	<0.2	<0.2	1.8	1.8
Middle	4.1	0.5	9	20.2						20.2	8.1	8.1	25.3	25.2	114.5	114.5	8.9	8.9	6.4	6.3	4	5	47	48	825696	806949	<0.2	<0.2	1.8	1.8					
	4.1	0.5	3	20.2						20.2	8.1	8.1	25.2	25.3	114.5	113.5	8.9	8.9	6.3	6.9	5	4	48	52	825696	806949	<0.2	<0.2	1.8	1.8					
Bottom	7.2	0.4	353	20.2						20.2	8.1	8.1	25.3	25.3	113.5	113.5	8.9	8.9	6.9	6.9	4	6	52	52	825696	806949	<0.2	<0.2	1.8	1.8					
	7.2	0.4	350	20.2						20.2	8.1	8.1	25.3	25.3	113.4	113.5	8.9	8.9	6.9	6.9	6	6	52	52	825696	806949	<0.2	<0.2	1.8	1.8					
C3	Cloudy	Moderate	08:03	10.8						Surface	1.0	0.4	269	20.2	20.2	8.1	8.1	28.3	28.4	124.4	124.3	9.5	9.3	2.5	5.0	7	7	47	48	822106	817802	<0.2	<0.2	1.6	1.4
											1.0	0.4	269	20.1	20.1	8.1	8.1	28.5	28.5	124.2	124.2	9.5	9.3	2.6	5.0	6	7	46	48	822106	817802	<0.2	<0.2	1.4	1.2
					Middle	5.4	0.5	248	19.7	19.7	8.1	8.1	29.6	29.6	117.5	117.5	9.0	9.0	5.6	5.7	9	7	48	47	822106	817802	<0.2	<0.2	1.3	1.6					
						5.4	0.4	246	19.7	19.7	8.1	8.1	29.6	29.6	117.5	117.5	9.0	9.0	5.7	5.7	7	8	47	50	822106	817802	<0.2	<0.2	1.3	1.6					
					Bottom	9.8	0.5	274	19.7	19.7	8.1	8.1	29.6	29.6	116.9	116.9	9.0	9.0	6.7	6.7	8	7	50	51	822106	817802	<0.2	<0.2	1.6	1.7					
						9.8	0.5	268	19.7	19.7	8.1	8.1	29.6	29.6	116.9	116.9	9.0	9.0	6.7	6.7	7	7	51	51	822106	817802	<0.2	<0.2	1.6	1.7					
					IM1	Fine	Moderate	07:58	7.2	Surface	1.0	0.3	1	19.7	19.7	8.1	8.1	26.7	26.7	117.6	117.6	9.2	9.0	6.0	6.0	9	9	44	47	818373	806476	<0.2	<0.2	1.7	1.7
											1.0	0.3	5	19.7	19.7	8.1	8.1	26.7	26.7	117.5	117.5	9.2	9.0	6.1	6.0	10	9	44	47	818373	806476	<0.2	<0.2	1.8	1.7
Middle	3.6	0.2	358	19.6						19.6	8.1	8.1	26.9	26.9	111.4	111.4	8.7	8.7	5.5	5.6	9	8	47	47	818373	806476	<0.2	<0.2	1.7	1.6					
	3.6	0.2	355	19.6						19.6	8.1	8.1	26.9	26.9	111.4	111.4	8.7	8.7	5.6	5.6	8	9	47	51	818373	806476	<0.2	<0.2	1.6	1.7					
Bottom	6.2	0.2	13	19.6						19.6	8.1	8.1	27.1	27.1	109.1	109.1	8.5	8.5	6.3	6.3	9	11	51	51	818373	806476	<0.2	<0.2	1.7	1.7					
	6.2	0.1	12	19.6						19.6	8.1	8.1	27.1	27.1	109.0	109.0	8.5	8.5	6.4	6.4	11	11	51	51	818373	806476	<0.2	<0.2	1.7	1.7					
IM2	Fine	Moderate	08:05	7.9						Surface	1.0	0.2	11	20.1	20.1	8.1	8.1	26.4	26.4	120.7	120.6	9.4	9.1	5.7	8.2	11	9	43	48	819177	806233	<0.2	<0.2	1.9	1.8
											1.0	0.2	3	20.1	20.1	8.1	8.1	26.4	26.4	120.4	120.4	9.4	9.1	5.7	8.2	9	9	44	48	819177	806233	<0.2	<0.2	1.8	1.8
					Middle	4.0	0.2	359	19.7	19.7	8.1	8.1	26.7	26.7	112.1	112.1	8.8	8.8	8.4	8.4	10	8	48	48	819177	806233	<0.2	<0.2	1.8	1.8					
						4.0	0.2	5	19.7	19.7	8.1	8.1	26.7	26.7	112.1	112.1	8.8	8.8	8.4	8.4	8	7	48	51	819177	806233	<0.2	<0.2	1.8	1.8					
					Bottom	6.9	0.1	351	19.6	19.6	8.1	8.1	27.2	27.2	109.6	109.6	8.6	8.6	10.6	10.5	7	7	51	51	819177	806233	<0.2	<0.2	1.8	1.7					
						6.9	0.1	357	19.6	19.6	8.1	8.1	27.2	27.2	109.6	109.6	8.6	8.6	10.5	10.5	7	7	51	51	819177	806233	<0.2	<0.2	1.8	1.7					
					IM7	Fine	Rough	08:26	7.3	Surface	1.0	0.2	340	20.3	20.3	8.1	8.1	24.7	24.7	116.3	116.3	9.1	9.0	2.7	4.9	7	7	43	46	821365	806813	<0.2	<0.2	1.9	1.8
											1.0	0.2	338	20.3	20.3	8.1	8.1	24.7	24.7	116.3	116.3	9.1	9.0	2.7	4.9	5	7	43	44	821365	806813	<0.2	<0.2	1.8	1.8
Middle	3.7	0.2	3	19.9						19.9	8.1	8.1	26.0	25.9	112.2	112.2	8.8	8.8	5.0	5.0	7	6	44	44	821365	806813	<0.2	<0.2	1.7	1.8					
	3.7	0.2	6	19.9						19.9	8.1	8.1	25.9	25.9	112.2	112.2	8.8	8.8	5.0	5.0	6	7	44	51	821365	806813	<0.2	<0.2	1.8	1.8					
Bottom	6.3	0.2	1	19.8						19.8	8.1	8.1	26.4	26.4	109.9	109.9	8.6	8.6	7.0	7.0	7	7	51	51	821365	806813	<0.2	<0.2	1.8	1.8					
	6.3	0.2	6	19.8						19.8	8.1	8.1	26.4	26.4	109.9	109.9	8.6	8.6	7.0	7.0	7	7	51	51	821365	806813	<0.2	<0.2	1.8	1.9					

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

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

Water Quality Monitoring Results on 22 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)				Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
					Current Speed (m/s)	Current Direction	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA							
C1	Cloudy	Moderate	15:08	8.4	Surface	1.0	0.4	217	20.2	20.2	8.2	8.2	30.5	30.6	127.9	127.8	9.7	9.4	2.7	6.6	3	4	46	48	815632	804259	<0.2	<0.2	1.2	1.3					
						1.0	0.4	212	20.2	20.0	8.2	8.2	30.6	31.1	127.6	118.8	9.7	9.0	3.0	8.8	3	4	46	48	46	48	<0.2	<0.2	1.1	1.2					
						4.2	0.3	216	20.0	20.0	8.2	8.2	31.1	31.1	118.8	118.7	9.0	9.0	8.8	9.1	4	4	49	50	48	49	<0.2	<0.2	1.2	1.3					
					Middle	4.2	0.3	217	20.0	20.0	8.2	8.2	31.1	31.2	118.5	115.4	9.0	8.7	9.1	7.6	4	4	49	50	48	49	<0.2	<0.2	1.2	1.3					
						7.4	0.4	218	20.0	20.0	8.2	8.2	31.2	31.2	115.5	115.2	8.7	8.7	7.6	8.2	4	4	50	50	49	50	<0.2	<0.2	1.4	1.4					
						7.4	0.3	221	20.0	20.0	8.2	8.2	31.2	31.2	115.2	115.2	8.7	8.7	8.2	8.2	5	5	50	50	49	50	<0.2	<0.2	1.4	1.4					
					C2	Rainy	Moderate	14:00	12.4	Surface	1.0	0.2	151	21.5	21.5	8.1	8.1	27.0	27.0	116.5	116.4	8.8	8.6	3.5	7.3	2	3	46	46	825686	806950	<0.2	<0.2	1.1	1.2
											1.0	0.2	148	21.5	20.7	8.1	8.1	27.0	28.9	116.3	111.2	8.8	8.4	3.8	9.1	2	3	46	49	46	49	<0.2	<0.2	1.2	1.3
											6.2	0.2	183	20.7	20.7	8.1	8.1	28.9	28.9	111.2	110.9	8.4	8.4	9.1	9.3	2	3	49	50	46	50	<0.2	<0.2	1.3	1.3
Middle	6.2	0.1	187	20.7						20.5	8.1	8.1	28.9	29.2	110.9	109.3	8.4	8.3	9.3	9.2	3	4	50	50	49	50	<0.2	<0.2	1.3	1.2					
	11.4	0.2	147	20.5						20.5	8.1	8.1	29.2	29.2	109.3	109.3	8.3	8.3	9.2	8.8	4	4	50	51	49	51	<0.2	<0.2	1.2	1.2					
	11.4	0.2	150	20.5						20.5	8.1	8.1	29.2	29.2	109.3	109.3	8.3	8.3	8.8	8.8	4	4	51	51	50	51	<0.2	<0.2	1.2	1.2					
C3	Cloudy	Rough	15:26	10.7						Surface	1.0	0.6	84	20.4	20.4	8.1	8.1	27.3	27.3	101.9	101.9	7.8	7.8	2.7	3.1	3	2	44	44	822089	817810	<0.2	<0.2	1.2	1.1
											1.0	0.5	90	20.4	20.1	8.1	8.1	27.3	27.8	101.9	100.4	7.8	7.7	2.7	3.0	2	2	44	48	44	48	<0.2	<0.2	1.1	1.4
											5.4	0.6	74	20.1	20.1	8.1	8.1	27.8	27.7	100.3	100.4	7.7	7.7	3.0	3.0	2	2	48	48	44	48	<0.2	<0.2	1.4	1.3
					Middle	5.4	0.6	77	20.1	19.8	8.1	8.1	27.7	28.3	100.4	98.9	7.7	7.6	3.0	3.5	2	2	48	47	48	47	<0.2	<0.2	1.3	1.2					
						9.7	0.5	84	19.8	19.8	8.1	8.1	28.3	28.3	98.9	98.9	7.6	7.6	3.5	3.5	2	2	47	47	47	47	<0.2	<0.2	1.2	1.2					
						9.7	0.5	76	19.8	19.8	8.1	8.1	28.3	28.3	98.9	98.9	7.6	7.6	3.5	3.5	2	2	48	48	47	48	<0.2	<0.2	1.1	1.1					
					IM1	Cloudy	Moderate	14:51	7.5	Surface	1.0	0.2	194	21.2	21.2	8.2	8.2	29.5	29.5	135.5	135.4	10.1	9.8	3.8	5.7	3	4	46	47	818330	806437	<0.2	<0.2	1.2	1.2
											1.0	0.2	186	21.2	20.9	8.2	8.2	29.6	30.0	135.3	125.8	10.1	9.4	3.9	4.5	3	4	47	47	46	47	<0.2	<0.2	1.1	1.2
											3.8	0.1	185	20.9	20.9	8.2	8.2	30.0	30.0	125.8	125.7	9.4	9.4	4.5	4.7	4	4	47	49	47	49	<0.2	<0.2	1.2	1.1
Middle	3.8	0.2	189	20.8						20.6	8.2	8.2	30.0	30.2	125.6	119.8	9.4	9.0	4.7	8.3	4	4	49	50	47	50	<0.2	<0.2	1.1	1.3					
	6.5	0.1	168	20.6						20.6	8.2	8.2	30.2	30.2	119.8	119.8	9.0	9.0	8.3	9.2	4	4	50	51	49	51	<0.2	<0.2	1.3	1.3					
	6.5	0.1	164	20.6						20.6	8.2	8.2	30.2	30.2	119.8	119.8	9.0	9.0	9.2	9.2	4	4	51	51	50	51	<0.2	<0.2	1.3	1.3					
IM2	Cloudy	Moderate	14:46	7.8						Surface	1.0	0.1	191	21.3	21.3	8.2	8.2	29.5	29.5	135.7	135.5	10.1	9.7	3.3	3.3	2	2	46	47	819170	806239	<0.2	<0.2	1.2	1.1
											1.0	0.2	189	21.3	21.2	8.2	8.2	29.5	29.7	135.3	125.0	10.1	9.3	3.3	3.3	2	2	47	49	46	49	<0.2	<0.2	1.1	1.2
											3.9	0.2	194	21.2	21.2	8.2	8.2	29.7	29.8	125.0	125.0	9.3	9.3	3.3	3.3	2	2	49	50	46	49	<0.2	<0.2	1.1	1.2
					Middle	3.9	0.2	196	21.1	20.7	8.2	8.2	29.8	30.0	125.0	119.4	9.3	9.0	3.3	3.3	2	3	50	52	49	52	<0.2	<0.2	1.2	1.2					
						6.8	0.1	186	20.7	20.7	8.2	8.2	30.0	30.0	119.3	119.4	9.0	9.0	3.3	3.4	3	3	52	50	49	50	<0.2	<0.2	1.2	1.1					
						6.8	0.1	180	20.7	20.7	8.2	8.2	30.0	30.0	119.4	119.4	9.0	9.0	3.4	3.4	3	3	50	50	49	50	<0.2	<0.2	1.1	1.1					
					IM7	Cloudy	Moderate	14:28	7.5	Surface	1.0	0.2	123	21.4	21.4	8.1	8.1	27.0	27.0	114.3	114.3	8.6	8.8	2.7	5.5	2	2	46	46	821329	806845	<0.2	<0.2	1.3	1.2
											1.0	0.2	125	21.4	20.8	8.1	8.1	26.9	29.5	114.3	118.5	8.6	8.9	2.6	5.6	2	2	46	47	46	47	<0.2	<0.2	1.2	1.2
											3.8	0.1	129	20.8	20.8	8.2	8.2	29.5	29.5	118.5	118.5	8.9	8.9	5.6	5.8	2	2	47	48	46	48	<0.2	<0.2	1.2	1.2
Middle	3.8	0.1	129	20.8						20.7	8.2	8.2	29.5	29.7	118.4	118.4	8.9	8.9	5.8	8.1	2	2	48	51	46	51	<0.2	<0.2	1.2	1.1					
	6.5	0.2	124	20.7						20.7	8.2	8.2	29.7	29.7	118.4	118.4	8.9	8.9	8.1	8.3	2	2	51	51	48	51	<0.2	<0.2	1.2	1.1					
	6.5	0.2	129	20.7						20.7	8.2	8.2	29.7	29.7	118.4	118.4	8.9	8.9	8.3	8.3	2	2	51	51	48	51	<0.2	<0.2	1.2	1.2					

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

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

Water Quality Monitoring Results on 22 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
IM10	Cloudy	Rough	14:02	8.5	Surface	1.0	0.3	101	20.9	20.9	8.1	8.1	25.7	25.7	107.9	107.9	8.3	8.3	3.1	3	43	43	47	822236	809817	<0.2	1.2	1.1	1.1					
						1.0	0.2	97	20.9	8.1	8.1	25.8	25.8	107.8	107.8	8.3	8.3	3.0	3	43	43	47	822236	809817	<0.2	1.1	1.1	1.1						
						4.3	0.3	78	20.6	20.6	8.1	8.1	26.5	26.6	107.2	107.2	8.2	8.2	5.8	4	48	48	47	822236	809817	<0.2	1.2	1.1	1.1					
					Middle	4.3	0.3	83	20.6	20.6	8.1	8.1	26.7	26.7	107.2	107.2	8.2	8.2	5.8	4	48	48	47	822236	809817	<0.2	1.0	1.1	1.1					
						7.5	0.3	77	20.5	20.5	8.1	8.1	27.5	27.5	106.8	106.8	8.2	8.2	7.1	4	51	51	47	822236	809817	<0.2	1.1	1.1	1.1					
						7.5	0.2	70	20.5	20.5	8.1	8.1	27.5	27.5	106.8	106.8	8.2	8.2	7.1	3	51	51	47	822236	809817	<0.2	1.2	1.1	1.1					
					IM11	Cloudy	Rough	14:07	7.5	Surface	1.0	0.3	77	21.0	21.0	8.1	8.1	25.6	25.6	108.5	108.5	8.3	8.3	2.3	<2	44	44	47	821487	810544	<0.2	1.2	1.1	1.1
											1.0	0.3	83	21.0	21.0	8.1	8.1	25.6	25.6	108.5	108.5	8.3	8.3	2.3	<2	44	44	47	821487	810544	<0.2	1.1	1.1	1.1
											3.8	0.4	88	20.7	20.7	8.1	8.1	26.7	26.7	106.5	106.5	8.2	8.2	5.7	2	47	47	47	821487	810544	<0.2	1.0	1.0	1.0
Middle	3.8	0.4	81	20.7						20.7	8.1	8.1	26.7	26.7	106.5	106.5	8.2	8.2	5.6	2	47	47	47	821487	810544	<0.2	1.0	1.0	1.0					
	6.5	0.4	98	20.6						20.6	8.1	8.1	27.0	27.0	106.0	106.0	8.1	8.1	7.8	2	51	51	47	821487	810544	<0.2	1.0	1.0	1.0					
	6.5	0.4	102	20.6						20.6	8.1	8.1	27.0	27.0	105.9	106.0	8.1	8.1	7.8	3	51	51	47	821487	810544	<0.2	1.1	1.1	1.1					
IM12	Cloudy	Rough	14:13	9.2						Surface	1.0	0.3	85	20.8	20.8	8.1	8.1	26.0	26.0	108.3	108.3	8.3	8.3	2.7	3	41	42	47	821139	811512	<0.2	1.3	1.3	1.2
											1.0	0.4	86	20.8	20.8	8.1	8.1	26.0	26.0	108.2	108.2	8.3	8.3	2.7	3	42	42	47	821139	811512	<0.2	1.3	1.3	1.2
											4.6	0.3	94	20.6	20.6	8.1	8.1	26.7	26.7	104.7	104.7	8.0	8.0	5.7	4	48	48	47	821139	811512	<0.2	1.1	1.1	1.2
					Middle	4.6	0.3	92	20.6	20.6	8.1	8.1	26.7	26.7	104.6	104.6	8.0	8.0	5.7	4	48	48	47	821139	811512	<0.2	1.2	1.2	1.2					
						8.2	0.4	93	20.5	20.5	8.1	8.1	26.8	26.8	101.9	101.9	7.8	7.8	7.8	5	52	52	47	821139	811512	<0.2	1.2	1.2	1.2					
						8.2	0.4	85	20.5	20.5	8.1	8.1	26.8	26.8	101.9	101.9	7.8	7.8	7.8	5	52	52	47	821139	811512	<0.2	1.1	1.1	1.1					
					SR1A	Cloudy	Moderate	14:57	4.7	Surface	1.0	0.0	73	21.0	21.0	8.1	8.1	26.7	26.7	102.3	102.4	7.8	7.8	2.5	4	-	-	-	819982	812656	-	-	-	-
											1.0	-	80	21.0	21.0	8.1	8.1	26.7	26.7	102.4	102.4	7.8	7.8	2.4	4	-	-	-	819982	812656	-	-	-	-
											2.4	0.0	87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819982	812656	-	-
Middle	2.4	0.0	86	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819982	812656	-	-	-	-			
	3.7	0.0	95	20.6						20.6	8.1	8.1	26.8	26.8	101.1	101.1	7.8	7.8	3.6	<2	-	-	-	-	-	819982	812656	-	-	-	-			
	3.7	0.0	89	20.6						20.6	8.1	8.1	26.8	26.8	101.1	101.1	7.8	7.8	3.6	<2	-	-	-	-	-	819982	812656	-	-	-	-			
SR2	Cloudy	Moderate	15:09	4.1						Surface	1.0	0.4	52	20.6	20.6	8.1	8.1	26.5	26.5	102.3	102.4	7.9	7.9	3.2	2	43	43	46	821473	814170	<0.2	1.1	1.1	1.1
											1.0	0.4	49	20.6	20.6	8.1	8.1	26.5	26.5	102.4	102.4	7.9	7.9	3.2	3	44	44	46	821473	814170	<0.2	1.1	1.1	1.1
											-	0.4	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821473	814170	<0.2	-
					Middle	-	0.4	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821473	814170	<0.2	-	-	-			
						3.1	0.4	61	20.5	20.5	8.1	8.1	26.8	26.7	101.9	101.9	7.8	7.8	3.8	2	48	48	46	821473	814170	<0.2	1.1	1.1	1.1					
						3.1	0.4	67	20.5	20.5	8.1	8.1	26.7	26.7	101.9	101.9	7.8	7.8	3.8	2	48	48	46	821473	814170	<0.2	1.0	1.0	1.0					
					SR3	Cloudy	Moderate	14:23	9.2	Surface	1.0	0.2	139	21.2	21.2	8.1	8.1	27.6	27.6	114.2	114.3	8.6	8.6	3.8	4	-	-	-	822160	807586	-	-	-	-
											1.0	0.2	142	21.1	21.1	8.1	8.1	27.7	27.6	114.4	114.3	8.7	8.7	4.1	4	-	-	-	822160	807586	-	-	-	-
											4.6	0.2	150	21.0	21.0	8.1	8.1	28.4	28.4	115.0	115.0	8.7	8.7	5.7	3	-	-	-	822160	807586	-	-	-	-
Middle	4.6	0.2	148	21.0						21.0	8.1	8.1	28.4	28.4	115.0	115.0	8.7	8.7	5.6	3	-	-	-	822160	807586	-	-	-	-					
	8.2	0.2	161	20.9						20.9	8.2	8.2	29.4	29.4	115.5	115.4	8.7	8.7	7.1	3	-	-	-	822160	807586	-	-	-	-					
	8.2	0.3	159	20.9						20.9	8.2	8.2	29.4	29.4	115.3	115.4	8.7	8.7	7.1	3	-	-	-	822160	807586	-	-	-	-					
SR4A	Cloudy	Moderate	15:27	8.8						Surface	1.0	0.0	87	21.4	21.4	8.2	8.2	30.0	30.0	123.4	123.5	9.2	9.2	5.8	5	-	-	-	817206	807817	-	-	-	-
											1.0	0.1	86	21.4	21.4	8.2	8.2	30.0	30.0	123.5	123.5	9.2	9.2	5.8	5	-	-	-	817206	807817	-	-	-	-
											4.4	0.1	105	20.5	20.5	8.2	8.2	30.6	30.6	121.0	121.0	9.1	9.1	8.4	5	-	-	-	817206	807817	-	-	-	-
					Middle	4.4	0.1	98	20.5	20.5	8.2	8.2	30.6	30.6	120.9	120.9	9.1	9.1	8.6	5	-	-	-	817206	807817	-	-	-	-					
						7.8	0.0	69	20.5	20.5	8.2	8.2	30.6	30.6	120.1	120.1	9.0	9.0	8.8	4	-	-	-	817206	807817	-	-	-	-					
						7.8	0.0	71	20.5	20.5	8.2	8.2	30.6	30.6	120.1	120.1	9.0	9.0	8.9	4	-	-	-	817206	807817	-	-	-	-					
					SR8	Cloudy	Moderate	14:31	4.8	Surface	1.0	-	-	20.9	20.9	8.1	8.1	25.9	25.9	104.4	104.3	8.0	8.0	3.0	3	-	-	-	820381	811602	-	-	-	-
											1.0	-	-	20.9	20.9	8.1	8.1	26.0	25.9	104.2	104.3	8.0	8.0	3.1	4	-	-	-	820381	811602	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	820381	811602	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	820381	811602	-	-	-	-			
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	820381	811602	-	-	-	-			
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	820381	811602	-	-	-	-			
Bottom	3.8	-	-	20.7						20.7	8.1	8.1	26.2	26.2	102.9	102.9	7.9	7.9	3.3	5	-	-	-	820381	811602	-	-	-	-					
	3.8	-	-	20.7						20.7	8.1	8.1	26.2	26.2	102.9	102.9	7.9	7.9	3.4	5	-	-	-	820381	811602	-	-	-	-					

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

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

Water Quality Monitoring Results on 22 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
C1	Fine	Moderate	09:51	8.5	Surface	1.0	0.4	36	20.3	20.3	8.2	8.2	30.7	30.7	121.2	121.2	9.2	9.1	5.8	9.1	8	6	47	48	815619	804254	<0.2	1.2	1.1	1.2						
						1.0	0.4	38	20.3	20.3	8.2	8.2	30.7	30.7	121.1	119.3	9.2	9.1	5.7	9.1	7	6	46	47	48	815619	804254	<0.2	1.1	1.1	1.2					
						4.3	0.4	35	20.2	20.2	8.2	8.2	30.8	30.8	119.3	119.3	9.0	9.1	10.4	9.1	6	5	47	49	48	815619	804254	<0.2	1.2	1.2	1.3					
					Middle	4.3	0.4	32	20.2	20.2	8.2	8.2	30.8	30.8	119.2	120.2	9.0	9.1	10.3	9.1	5	4	49	50	50	48	815619	804254	<0.2	1.2	1.3	1.3				
						7.5	0.4	15	20.1	20.1	8.2	8.2	31.0	31.0	120.2	120.2	9.1	9.1	12.4	9.1	4	4	50	51	51	48	815619	804254	<0.2	1.2	1.3	1.3				
						7.5	0.4	21	20.1	20.1	8.2	8.2	31.0	31.0	120.2	120.2	9.1	9.1	12.1	9.1	4	4	51	51	51	48	815619	804254	<0.2	1.2	1.3	1.3				
					C2	Fine	Moderate	10:52	11.4	Surface	1.0	0.4	344	21.3	21.3	8.1	8.1	26.2	26.2	113.9	113.9	8.7	8.7	3.6	8.7	4	5	46	49	825690	806938	<0.2	1.1	1.2	1.3	
											1.0	0.4	342	21.3	21.3	8.1	8.1	26.2	26.2	113.8	113.1	8.7	8.7	3.8	8.7	4	5	47	48	49	825690	806938	<0.2	1.2	1.3	1.4
											5.7	0.4	349	21.1	21.1	8.1	8.1	26.9	26.9	113.1	113.1	8.6	8.6	6.9	8.6	5	5	48	49	49	825690	806938	<0.2	1.3	1.4	1.4
Middle	5.7	0.4	348	21.1						21.1	8.1	8.1	27.0	27.0	113.1	113.1	8.6	8.6	7.1	8.6	5	5	49	50	50	48	825690	806938	<0.2	1.4	1.4	1.4				
	10.4	0.3	10	21.1						21.1	8.1	8.1	27.2	27.2	113.1	113.1	8.6	8.6	9.3	8.6	5	5	50	51	51	48	825690	806938	<0.2	1.3	1.3	1.2				
	10.4	0.3	10	21.1						21.1	8.1	8.1	27.2	27.2	113.1	113.1	8.6	8.6	9.5	8.6	6	6	51	51	51	48	825690	806938	<0.2	1.2	1.2	1.2				
C3	Fine	Moderate	09:22	11.2						Surface	1.0	0.5	269	20.4	20.4	8.0	8.0	26.8	26.8	103.3	103.3	8.0	8.0	1.6	8.0	5	5	43	48	822124	817781	<0.2	1.1	1.1	1.0	
											1.0	0.4	274	20.4	20.4	8.0	8.0	26.8	26.8	103.3	102.2	8.0	8.0	1.6	8.0	6	4	43	48	48	822124	817781	<0.2	1.1	1.0	1.0
											5.6	0.5	257	20.2	20.2	8.0	8.0	27.2	27.2	102.1	102.2	7.9	7.9	3.7	7.9	4	4	48	49	49	822124	817781	<0.2	1.0	1.0	1.0
					Middle	5.6	0.5	254	20.2	20.2	8.0	8.0	27.2	27.2	102.2	100.3	7.9	7.9	3.8	7.9	4	4	48	49	50	48	822124	817781	<0.2	1.0	1.0	1.0				
						10.2	0.5	250	19.8	19.8	8.0	8.0	28.1	28.1	100.3	100.3	7.8	7.8	6.1	7.8	4	4	52	52	52	48	822124	817781	<0.2	1.0	1.0	1.0				
						10.2	0.5	255	19.8	19.8	8.0	8.0	28.1	28.1	100.3	100.3	7.8	7.8	6.1	7.8	4	4	52	52	52	48	822124	817781	<0.2	1.0	1.0	1.0				
					IM1	Fine	Moderate	10:06	6.6	Surface	1.0	0.3	22	21.4	21.4	8.2	8.2	28.8	28.8	120.4	120.4	9.0	9.0	3.3	9.0	7	8	46	49	818365	806441	<0.2	1.1	1.2	1.2	
											1.0	0.2	25	21.4	21.4	8.2	8.2	28.8	28.8	120.4	118.3	9.0	9.0	3.3	9.0	7	7	47	49	49	818365	806441	<0.2	1.1	1.1	1.2
											3.3	0.3	10	21.0	21.0	8.2	8.2	29.1	29.2	118.4	118.3	8.9	8.9	5.4	8.9	7	8	48	48	48	818365	806441	<0.2	1.1	1.1	1.2
Middle	3.3	0.3	8	21.0						21.0	8.2	8.2	29.2	29.2	118.2	118.3	8.9	8.9	6.5	8.9	8	8	48	49	49	49	818365	806441	<0.2	1.1	1.1	1.2				
	5.6	0.3	39	20.6						20.6	8.2	8.2	29.9	29.9	107.8	107.8	8.1	8.1	13.0	8.1	10	10	50	50	50	48	818365	806441	<0.2	1.2	1.2	1.2				
	5.6	0.2	38	20.6						20.6	8.2	8.2	29.9	29.9	107.8	107.8	8.1	8.1	12.4	8.1	10	10	52	52	52	48	818365	806441	<0.2	1.1	1.1	1.1				
IM2	Fine	Moderate	10:11	7.2						Surface	1.0	0.3	30	20.9	20.9	8.2	8.2	28.9	29.0	119.1	119.1	9.0	9.0	4.0	9.0	6	5	47	49	819185	806257	<0.2	1.2	1.2	1.2	
											1.0	0.3	27	20.9	20.9	8.2	8.2	29.0	29.0	119.1	118.8	9.0	9.0	4.1	9.0	5	5	47	48	48	819185	806257	<0.2	1.2	1.2	1.2
											3.6	0.3	13	20.7	20.7	8.2	8.2	29.7	29.7	118.8	118.8	9.0	8.9	5.7	8.9	5	4	48	49	49	49	819185	806257	<0.2	1.1	1.2
					Middle	3.6	0.3	17	20.7	20.7	8.2	8.2	29.7	29.7	118.8	117.7	8.9	8.9	5.6	8.9	4	4	49	49	50	48	819185	806257	<0.2	1.2	1.2	1.2				
						6.2	0.3	18	20.7	20.7	8.2	8.2	29.9	29.9	117.8	117.7	8.9	8.9	12.2	8.9	4	4	52	52	52	48	819185	806257	<0.2	1.2	1.2	1.2				
						6.2	0.3	12	20.7	20.7	8.2	8.2	29.9	29.9	117.6	117.7	8.9	8.9	11.7	8.9	4	4	51	51	51	48	819185	806257	<0.2	1.1	1.1	1.1				
					IM7	Fine	Moderate	10:29	7.2	Surface	1.0	0.3	347	21.3	21.3	8.1	8.1	26.8	26.8	114.1	114.1	8.6	8.6	9.5	8.6	6	5	46	49	821351	806834	<0.2	1.1	1.1	1.1	
											1.0	0.3	345	21.3	21.3	8.1	8.1	26.8	26.8	114.1	114.0	8.6	8.6	9.6	8.6	5	5	46	48	48	821351	806834	<0.2	1.1	1.1	1.1
											3.6	0.2	2	21.3	21.3	8.1	8.1	26.7	26.7	114.0	114.0	8.6	8.6	6.0	8.6	5	4	48	49	49	48	821351	806834	<0.2	1.2	1.0
Middle	3.6	0.2	3	21.3						21.3	8.1	8.1	26.7	26.7	114.0	113.9	8.6	8.6	6.0	8.6	4	4	49	49	50	48	821351	806834	<0.2	1.0	1.0	1.1				
	6.2	0.3	17	21.3						21.3	8.1	8.1	26.7	26.7	113.9	113.9	8.6	8.6	6.0	8.6	4	4	50	50	50	48	821351	806834	<0.2	1.1	1.1	1.1				
	6.2	0.3	23	21.3						21.3	8.1	8.1	26.7	26.7	113.9	113.9	8.6	8.6	6.0	8.6	4	4	51	51	51	48	821351	806834	<0.2	1.1	1.1	1.1				

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 22 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA							
IM10	Fine	Moderate	10:32	9.3	Surface	1.0	0.4	289	20.6	20.6	8.1	8.1	26.5	26.5	103.1	103.1	7.9	7.9	8.7	7.9	13	14	44	48	822250	809826	<0.2	1.1	<0.2	1.2							
						1.0	0.4	288	20.6	8.1	8.1	26.5	26.5	103.1	103.1	7.9	7.9	8.8	7.9	12	14	44	48	<0.2			1.2	<0.2	1.2								
						4.7	0.3	290	20.6	8.1	8.1	26.5	26.5	102.9	102.9	7.9	7.9	6.2	7.5	13	14	48	51	<0.2			1.2	<0.2	1.2								
					Middle	4.7	0.3	287	20.6	8.1	8.1	26.5	26.5	102.9	102.9	7.9	7.9	6.3	7.5	14	17	48	51	<0.2			1.2	<0.2	1.1	<0.2	1.2	<0.2	1.1				
						8.3	0.3	302	20.5	8.1	8.1	26.5	26.5	102.3	102.3	7.9	7.9	7.5	7.9	17	17	51	52	<0.2			1.1	<0.2	1.1	<0.2	1.2	<0.2	1.2				
						8.3	0.3	296	20.5	8.1	8.1	26.5	26.5	102.3	102.3	7.9	7.9	7.6	7.9	17	17	51	52	<0.2			1.2	<0.2	1.2								
					IM11	Fine	Moderate	10:25	9.1	Surface	1.0	0.5	294	20.6	20.6	8.1	8.1	26.8	26.8	102.8	102.8	7.9	7.9	9.2			7.9	4	6	43	48	821502	810565	<0.2	1.2	<0.2	1.3
											1.0	0.5	290	20.6	8.1	8.1	26.8	26.8	102.7	102.7	7.9	7.9	9.3	7.9			4	6	44	48	<0.2			1.3	<0.2	1.2	
											4.6	0.4	286	20.5	8.1	8.1	26.8	26.8	102.5	102.5	7.9	7.9	10.3	10.3			6	6	47	48	<0.2			1.2	<0.2	1.3	
Middle	4.6	0.5	292	20.5						8.1	8.1	26.8	26.8	102.5	102.5	7.9	7.9	10.3	10.3	6	6	48	52	<0.2	1.3	<0.2	1.3	<0.2	1.2	<0.2	1.3						
	8.1	0.5	292	20.5						8.1	8.1	26.8	26.8	102.2	102.2	7.9	7.9	11.5	11.5	8	9	52	52	<0.2	1.2	<0.2	1.2	<0.2	1.3	<0.2	1.3						
	8.1	0.5	298	20.5						8.1	8.1	26.8	26.8	102.2	102.2	7.9	7.9	11.5	11.5	9	9	52	52	<0.2	1.3	<0.2	1.3										
IM12	Fine	Moderate	10:19	8.9						Surface	1.0	0.4	270	20.4	20.4	8.1	8.1	26.9	26.9	102.4	102.4	7.9	7.9	6.4	7.9	4	4	43	44	821184	811535			<0.2	1.3	<0.2	1.1
											1.0	0.5	277	20.4	8.1	8.1	26.9	26.9	102.4	102.4	7.9	7.9	6.4	7.9	4	4	44	47	<0.2					1.1	<0.2	1.1	
											4.5	0.5	299	20.3	8.1	8.1	27.1	27.1	101.7	101.7	7.8	7.8	10.5	10.5	5	5	47	47	<0.2					1.1	<0.2	1.2	
					Middle	4.5	0.5	295	20.3	8.1	8.1	27.1	27.1	101.7	101.7	7.8	7.8	10.4	10.4	4	4	47	51	<0.2	1.2	<0.2	1.1	<0.2	1.1			<0.2	1.1				
						7.9	0.5	281	20.3	8.1	8.1	27.1	27.1	101.4	101.4	7.8	7.8	11.1	11.1	6	6	51	51	<0.2	1.1	<0.2	1.1	<0.2	1.1			<0.2	1.1				
						7.9	0.4	285	20.3	8.1	8.1	27.1	27.1	101.4	101.4	7.8	7.8	11.1	11.1	6	6	51	51	<0.2	1.0	<0.2	1.0										
					SR1A	Fine	Calm	09:52	5.3	Surface	1.0	0.0	191	20.7	20.7	8.0	8.0	26.3	26.3	101.0	101.0	7.8	7.8	1.6	7.8	4	4	-	-			819972	812663	-	-	-	-
											1.0	-	192	20.7	8.0	8.0	26.3	26.3	101.0	101.0	7.8	7.8	1.6	7.8	5	5	-	-	-					-			
											2.7	0.0	185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	2.7	0.0	191	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-			
	4.3	0.0	213	20.7						8.0	8.0	26.6	26.6	98.0	98.0	7.5	7.5	2.4	2.4	6	6	-	-	-	-	-	-	-	-	-	-						
	4.3	0.1	215	20.7						8.0	8.0	26.6	26.6	97.9	97.9	7.5	7.5	2.4	2.4	6	6	-	-	-	-	-	-	-	-	-	-						
SR2	Fine	Calm	09:39	5.6						Surface	1.0	0.1	259	20.4	20.4	8.0	8.0	26.7	26.7	102.4	102.4	7.9	7.9	4.7	7.9	8	7	41	41	821484	814174			<0.2	1.0	<0.2	1.2
											1.0	0.1	256	20.4	8.0	8.0	26.7	26.7	102.3	102.3	7.9	7.9	4.8	7.9	7	7	41	41	<0.2					1.2	<0.2	1.2	
											-	0.1	257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	-	0.0	262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-			
						4.6	0.0	244	20.4	8.0	8.0	26.8	26.8	101.6	101.6	7.8	7.8	6.2	7.8	4	4	44	44	<0.2	1.1	<0.2	1.1	<0.2	1.1			<0.2	1.1				
						4.6	0.1	246	20.4	8.0	8.0	26.8	26.8	101.6	101.6	7.8	7.8	6.2	7.8	4	4	44	44	<0.2	1.2	<0.2	1.2										
					SR3	Fine	Moderate	10:36	9.2	Surface	1.0	0.3	346	21.4	21.4	8.1	8.1	26.2	26.2	114.5	114.5	8.7	8.7	2.6	8.7	4	4	-	-			822147	807559	-	-	-	-
											1.0	0.3	344	21.4	8.1	8.1	26.2	26.2	114.5	114.5	8.7	8.7	2.5	8.7	4	4	-	-	-					-			
											4.6	0.4	349	21.2	8.1	8.1	26.3	26.3	113.0	113.0	8.6	8.6	2.5	8.6	5	5	-	-	-					-			
Middle	4.6	0.3	356	21.2						8.1	8.1	26.3	26.3	112.9	112.9	8.6	8.6	2.5	8.6	5	5	-	-	-	-	-	-	-	-	-							
	8.2	0.3	326	21.2						8.1	8.1	26.6	26.5	112.7	112.7	8.6	8.6	3.2	8.6	5	5	-	-	-	-	-	-	-	-								
	8.2	0.3	330	21.2						8.1	8.1	26.5	26.5	112.7	112.7	8.6	8.6	3.2	8.6	5	5	-	-	-	-	-	-	-	-								
SR4A	Fine	Moderate	09:30	8.3						Surface	1.0	0.0	154	21.1	21.1	8.1	8.1	28.9	28.9	114.3	114.4	8.6	8.6	4.0	8.6	5	5	-	-	817184	807800			-	-	-	-
											1.0	0.0	147	21.1	8.1	8.1	28.9	28.9	114.4	114.4	8.6	8.6	4.1	8.6	5	5	-	-	-					-			
											4.2	-	134	20.9	8.1	8.1	29.1	29.1	116.3	116.4	8.8	8.8	4.9	8.8	6	6	-	-	-					-			
					Middle	4.2	0.0	132	20.9	8.1	8.1	29.1	29.1	116.4	116.4	8.8	8.8	4.8	8.8	6	6	-	-	-	-	-	-	-	-								
						7.3	0.0	154	20.8	8.1	8.1	29.3	29.3	117.3	117.3	8.8	8.8	5.0	8.8	9	9	-	-	-	-	-	-	-									
						7.3	0.0	155	20.8	8.1	8.1	29.3	29.3	117.2	117.2	8.8	8.8	5.0	8.8	9	9	-	-	-	-	-	-	-									
					SR8	Fine	Calm	10:13	5.7	Surface	1.0	-	-	20.8	20.8	8.1	8.1	26.0	26.0	103.3	103.3	7.9	7.9	3.0	7.9	4	4	-	-			820408	811627	-	-	-	-
											1.0	-	-	20.8	20.8	8.1	8.1	26.0	26.0	103.2	103.3	7.9	7.9	3.0	7.9	4	4	-	-					-	-		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	4.7	-	-	20.6						20.6	8.1	8.1	26.3	26.3	102.5	102.5	7.9	7.9	6.2	7.9	5	5	-	-	-	-	-	-									
	4.7	-	-	20.6						20.6	8.1	8.1	26.3	26.3	102.5	102.5	7.9	7.9	6.1	7.9	5	5	-	-	-	-	-	-									

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

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

Water Quality Monitoring Results on 24 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
C1	Misty	Moderate	16:40	8.6	Surface	1.0	0.3	195	19.9	19.9	8.1	8.1	31.6	31.7	110.5	110.5	8.4	8.4	4.1	5	51	51	75	815596	804262	<0.2	1.1	1.0	1.0				
						1.0	0.4	190	19.8	19.8	8.1	8.1	31.7	31.7	110.5	110.5	8.4	8.4	4.1	5	52	52	75	815596	804262	<0.2	0.9	1.0	1.0				
						4.3	0.4	211	19.8	19.8	8.1	8.1	32.2	32.2	110.1	110.1	8.3	8.3	5.3	7	86	86	51	51	75	815596	804262	<0.2	1.1	1.0	1.0		
						4.3	0.4	214	19.8	19.8	8.1	8.1	32.2	32.2	110.0	110.0	8.3	8.3	5.3	7	86	86	51	51	75	815596	804262	<0.2	1.0	1.0	1.0		
					Middle	7.6	0.4	211	19.8	19.8	8.1	8.1	32.2	32.2	109.6	109.6	8.3	8.3	6.4	7	88	88	6	6	51	51	75	815596	804262	<0.2	1.0	1.0	1.0
						7.6	0.3	213	19.8	19.8	8.1	8.1	32.2	32.2	109.5	109.5	8.3	8.3	6.4	7	88	88	6	6	51	51	75	815596	804262	<0.2	1.0	1.0	1.0
						1.0	0.4	157	20.5	20.5	8.1	8.1	28.0	28.0	104.0	104.1	7.9	7.9	2.3	4	44	44	5	5	73	825679	806929	<0.2	1.0	1.0	1.0		
						1.0	0.5	163	20.5	20.5	8.1	8.1	28.0	28.0	104.1	104.1	8.0	8.0	2.3	4	44	44	5	5	73	825679	806929	<0.2	1.0	1.0	1.0		
Bottom	5.0	0.4	183	20.4	20.4	8.1	8.1	28.3	28.3	105.1	105.3	8.0	8.0	5.1	5	86	86	5	5	73	825679	806929	<0.2	0.9	1.0	1.0							
	5.0	0.5	182	20.4	20.4	8.1	8.1	28.3	28.3	105.4	105.4	8.0	8.0	5.0	5	86	86	5	5	73	825679	806929	<0.2	0.9	1.0	1.0							
	9.0	0.4	156	20.3	20.4	8.1	8.1	28.5	28.5	108.8	108.8	8.3	8.3	6.0	7	90	90	6	6	51	51	75	815596	804262	<0.2	1.0	1.0	1.0					
	9.0	0.3	163	20.4	20.4	8.1	8.1	28.4	28.5	109.3	109.1	8.4	8.4	6.1	6	90	90	6	6	51	51	75	815596	804262	<0.2	1.0	1.0	1.0					
C3	Cloudy	Moderate	17:08	11.5	Surface	1.0	0.4	95	20.1	20.1	7.9	7.9	30.3	30.3	93.8	93.8	7.1	7.1	2.2	4	48	48	51	822099	817821	<0.2	1.0	1.2	1.0				
						1.0	0.5	91	20.1	20.1	7.9	7.9	30.3	30.3	93.8	93.8	7.1	7.1	2.3	4	49	49	51	822099	817821	<0.2	1.0	1.0	1.0				
						5.8	0.4	72	20.0	20.0	7.9	7.9	30.4	30.4	93.6	93.6	7.1	7.1	2.9	6	52	52	51	822099	817821	<0.2	1.0	1.0	1.0				
						5.8	0.4	67	20.0	20.0	7.9	7.9	30.4	30.4	93.6	93.6	7.1	7.1	2.9	6	52	52	51	822099	817821	<0.2	1.0	1.0	1.0				
					Middle	10.5	0.5	59	20.0	20.0	7.9	7.9	30.4	30.4	93.8	93.9	7.1	7.1	3.2	7	53	53	6	6	51	822099	817821	<0.2	1.6	1.0	1.0		
						10.5	0.4	58	20.0	20.0	7.9	7.9	30.4	30.4	93.9	93.9	7.1	7.1	3.3	7	53	53	6	6	51	822099	817821	<0.2	1.4	1.0	1.0		
						1.0	0.2	183	19.8	19.8	8.1	8.1	31.8	31.8	111.4	111.4	8.4	8.4	3.6	6	48	48	7	7	74	818361	806473	<0.2	0.9	1.0	1.0		
						1.0	0.2	176	19.8	19.8	8.1	8.1	31.9	31.9	111.4	111.4	8.4	8.4	3.5	6	48	48	7	7	74	818361	806473	<0.2	1.1	1.0	1.0		
Bottom	3.9	0.2	190	19.8	19.8	8.1	8.1	32.1	32.1	111.8	111.9	8.4	8.4	4.2	6	48	48	7	7	74	818361	806473	<0.2	0.9	1.0	1.0							
	3.9	0.2	193	19.8	19.8	8.1	8.1	32.1	32.1	112.0	112.0	8.5	8.5	4.2	7	48	48	7	7	74	818361	806473	<0.2	1.0	1.0	1.0							
	6.8	0.3	163	19.8	19.8	8.1	8.1	32.1	32.1	112.4	112.5	8.5	8.5	6.0	7	89	89	7	7	74	818361	806473	<0.2	0.9	1.0	1.0							
	6.8	0.3	168	19.8	19.8	8.1	8.1	32.1	32.1	112.5	112.5	8.5	8.5	5.9	7	89	89	7	7	74	818361	806473	<0.2	1.0	1.0	1.0							
IM2	Misty	Moderate	16:30	7.2	Surface	1.0	0.2	177	20.0	20.0	8.1	8.1	30.7	30.7	110.0	110.2	8.3	8.3	4.1	6	49	49	71	819182	806230	<0.2	0.9	1.0	1.0				
						1.0	0.2	182	20.0	20.0	8.1	8.1	30.8	30.7	110.3	110.2	8.4	8.4	4.0	6	49	49	71	819182	806230	<0.2	0.9	1.0	1.0				
						3.6	0.2	183	20.0	20.0	8.1	8.1	31.0	31.1	111.6	111.7	8.5	8.5	5.7	6	79	79	71	819182	806230	<0.2	0.9	1.0	1.0				
						3.6	0.2	187	20.0	20.0	8.1	8.1	31.1	31.1	111.8	111.7	8.5	8.5	5.9	6	79	79	71	819182	806230	<0.2	1.1	1.0	1.0				
					Middle	6.2	0.2	214	19.9	19.9	8.1	8.1	31.4	31.3	113.4	113.5	8.6	8.6	6.0	6	85	85	6	6	71	819182	806230	<0.2	1.1	1.0	1.0		
						6.2	0.2	215	19.9	19.9	8.1	8.1	31.3	31.3	113.6	113.6	8.6	8.6	6.1	7	85	85	6	6	71	819182	806230	<0.2	1.1	1.0	1.0		
						1.0	0.2	145	20.5	20.5	8.1	8.1	27.7	27.7	105.3	105.5	8.1	8.1	2.9	5	52	52	77	821366	806823	<0.2	1.1	1.0	1.0				
						1.0	0.2	151	20.5	20.5	8.1	8.1	27.7	27.7	105.6	105.6	8.1	8.1	2.7	5	52	52	77	821366	806823	<0.2	0.9	1.0	1.0				
Bottom	3.8	0.2	130	20.3	20.3	8.1	8.1	27.9	27.9	106.7	106.9	8.2	8.2	4.9	5	88	88	5	5	77	821366	806823	<0.2	0.9	1.0	1.0							
	3.8	0.2	131	20.3	20.3	8.1	8.1	27.9	27.9	107.0	107.0	8.2	8.2	4.8	5	88	88	5	5	77	821366	806823	<0.2	0.9	1.0	1.0							
	6.6	0.2	152	20.0	20.0	8.1	8.1	31.0	31.0	108.9	109.1	8.2	8.2	5.1	6	90	90	6	6	77	821366	806823	<0.2	0.9	1.0	1.0							
	6.6	0.2	153	20.0	20.0	8.1	8.1	31.0	31.0	109.3	109.3	8.3	8.3	5.1	5	90	90	6	6	77	821366	806823	<0.2	1.0	1.0	1.0							

DA: Depth-Averaged

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

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

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

Water Quality Monitoring Results on 24 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM10	Cloudy	Moderate	15:45	8.2	Surface	1.0	0.3	94	20.9	20.9	7.9	7.9	27.0	27.1	93.3	93.2	7.1	7.1	4.6	6.4	5	6	47	49	822247	809814	<0.2	<0.2	1.3	1.3				
						1.0	0.3	99	20.9		7.9	7.9	27.1	27.1	93.1	93.2	7.1		4.9		5		47				<0.2		1.3					
					Middle	4.1	0.3	104	20.7	20.7	7.9	7.9	27.9	27.9	92.3	92.3	7.0	7.0	6.9	7.0	6	6	49	51			<0.2	<0.2	1.7	1.6				
						4.1	0.3	105	20.7		7.9	7.9	27.9	27.9	92.3	92.3	7.0		7.0		6		49				<0.2		1.6					
					Bottom	7.2	0.3	102	20.7	20.7	7.9	7.9	28.2	28.1	92.7	92.9	7.1	7.1	7.6	7.6	6	6	50	51			<0.2	<0.2	0.9	0.9				
						7.2	0.3	101	20.7		7.9	7.9	28.1	28.1	93.0	92.9	7.1		7.6		6		51				<0.2		0.9					
IM11	Cloudy	Moderate	15:58	7.6	Surface	1.0	0.4	87	20.9	20.9	7.9	7.9	27.0	27.0	95.2	95.2	7.3	7.3	3.9	6.1	6	5	48	51	821481	810532	<0.2	<0.2	1.0	1.0				
						1.0	0.5	92	20.9		7.9	7.9	27.0	27.0	95.2	96.2	7.3		4.2		6		48				<0.2		1.0					
					Middle	3.8	0.5	98	20.8	20.8	7.9	7.9	27.5	27.5	96.0	96.2	7.3	7.3	6.2	6.6	5	5	51	52			<0.2	<0.2	0.9	0.8				
						3.8	0.4	102	20.8		7.9	7.9	27.5	27.5	96.3	96.2	7.3		6.6		5		52				<0.2		0.8					
					Bottom	6.6	0.4	101	20.8	20.8	7.9	7.9	27.4	27.4	96.9	97.1	7.4	7.4	7.8	7.9	4	4	53	53			<0.2	<0.2	1.0	1.0				
						6.6	0.5	96	20.8		7.9	7.9	27.3	27.4	97.2	97.1	7.4		7.9		4		53				<0.2		1.0					
IM12	Cloudy	Moderate	16:03	8.8	Surface	1.0	0.4	96	20.7	20.7	7.9	7.9	27.8	27.8	94.1	94.1	7.2	7.2	6.9	10.2	4	5	48	51	821142	811529	<0.2	<0.2	0.9	1.0				
						1.0	0.4	100	20.7		7.9	7.9	27.9	27.8	94.1	94.8	7.2		7.4		4		48				<0.2		0.9					
					Middle	4.4	0.4	113	20.7	20.7	7.9	7.9	28.0	28.0	94.6	94.8	7.2	7.2	10.6	10.9	4	5	51	51			<0.2	<0.2	0.9	1.0				
						4.4	0.4	120	20.7		7.9	7.9	28.0	28.0	94.9	94.8	7.2		10.9		5		51				<0.2		1.0					
					Bottom	7.8	0.4	76	20.7	20.7	7.9	7.9	28.0	28.0	96.0	96.1	7.3	7.3	12.5	12.8	6	6	53	54			<0.2	<0.2	1.0	1.0				
						7.8	0.5	73	20.7		7.9	7.9	28.0	28.0	96.2	96.1	7.3		12.8		6		54				<0.2		1.0					
SR1A	Cloudy	Moderate	16:31	5.5	Surface	1.0	0.0	59	20.9	20.9	7.9	7.9	26.8	26.9	90.0	90.7	6.9	7.0	3.8	4.4	4	5	-	-	819976	812661	-	-	-	-				
						1.0	0.0	53	20.8		7.9	7.9	27.0	27.0	91.4	91.9	7.0		3.9		4		-				-		-					
					Middle	2.8	0.0	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
						2.8	-	88	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					Bottom	4.5	-	47	20.9	20.9	7.9	7.9	26.9	27.0	90.4	91.9	6.9	7.0	4.7	5.0	6	6	-	-			-	-	-	-	-	-	-	-
						4.5	0.0	53	20.8		7.9	7.9	27.2	27.0	93.3	91.9	7.1		5.0		6		-				-		-					
SR2	Cloudy	Moderate	16:45	4.7	Surface	1.0	0.4	56	20.6	20.6	7.9	7.9	27.8	27.8	96.1	96.2	7.3	7.3	3.0	3.5	6	6	47	49	821457	814147	<0.2	<0.2	1.1	1.1				
						1.0	0.4	53	20.6		7.9	7.9	27.8	27.8	96.2	96.2	7.3		3.1		6		47				<0.2		1.2					
					Middle	-	0.3	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
						-	0.4	57	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					Bottom	3.7	0.3	37	20.5	20.5	7.9	7.9	27.9	27.9	97.9	97.9	7.5	7.5	4.0	4.0	5	5	50	51			<0.2	<0.2	0.9	1.0				
						3.7	0.4	32	20.5		7.9	7.9	27.9	27.9	97.9	97.9	7.5		4.0		5		51				<0.2		1.0					
SR3	Misty	Moderate	16:07	8.8	Surface	1.0	0.4	156	20.5	20.5	8.1	8.1	28.0	28.0	104.0	104.2	7.9	8.0	3.2	4.2	5	6	-	-	822160	807551	-	-	-	-				
						1.0	0.3	161	20.5		8.1	8.1	28.0	28.0	104.3	105.9	8.0		3.4		5		-				-							
					Middle	4.4	0.4	161	20.4	20.4	8.1	8.1	28.4	28.4	105.6	105.9	8.1	8.1	4.0	4.1	6	6	-	-			-	-	-	-	-	-		
						4.4	0.4	163	20.4		8.1	8.1	28.4	28.4	106.2	108.1	8.1		4.1		6		-				-							
					Bottom	7.8	0.3	128	20.3	20.3	8.1	8.1	28.7	28.7	107.9	108.1	8.2	8.3	5.2	5.2	6	6	-	-			-	-	-	-	-	-		
						7.8	0.3	127	20.3		8.1	8.1	28.7	28.7	108.2	108.1	8.3		5.2		6		-				-							
SR4A	Misty	Moderate	16:50	9.0	Surface	1.0	0.0	89	20.0	20.0	8.1	8.1	30.5	30.5	109.1	109.2	8.3	8.3	3.3	4.4	6	8	-	-	817207	807807	-	-	-	-				
						1.0	0.1	82	20.0		8.1	8.1	30.6	30.5	109.2	109.2	8.3		3.3		6		-				-							
					Middle	4.5	-	100	20.0	20.0	8.1	8.1	30.7	30.7	110.0	110.1	8.3	8.4	4.0	4.1	9	9	-	-			-	-	-	-	-	-		
						4.5	0.0	94	20.0		8.1	8.1	30.7	30.7	110.1	110.1	8.4		4.1		9		-				-							
					Bottom	8.0	0.0	99	20.0	20.0	8.1	8.1	30.7	30.7	111.0	111.1	8.4	8.4	5.8	5.8	9	9	-	-			-	-	-	-	-	-		
						8.0	0.0	101	20.0		8.1	8.1	30.7	30.7	111.2	111.1	8.4		5.8		9		-				-							
SR8	Cloudy	Moderate	16:10	4.8	Surface	1.0	-	-	20.8	20.8	7.9	7.9	27.3	27.4	92.5	92.5	7.1	7.1	10.7	11.3	5	6	-	-	820395	811616	-	-	-	-				
						1.0	-	-	20.8		7.9	7.9	27.4	27.4	92.4	92.5	7.0		11.7		5		-				-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-		
					Bottom	3.8	-	-	20.7	20.7	7.9	7.9	27.8	27.8	91.9	91.9	7.0	7.0	11.7	11.3	6	6	-	-			-	-	-	-	-	-		
						3.8	-	-	20.7		7.9	7.9	27.8	27.8	91.8	91.9	7.0		11.3		6		-				-							

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

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

Water Quality Monitoring Results on 24 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Misty	Moderate	10:07	9.0	Surface	1.0	0.2	36	19.9	19.9	8.1	8.1	30.8	30.9	108.4	108.4	108.4	8.2	3.2	5	46	73	815636	804248	<0.2	1.0	<0.2	0.8					
						1.0	0.2	33	19.9	8.1	8.1	31.0	30.9	108.4	108.4	8.2	3.1	4	46	73	815636	804248	<0.2	0.8	<0.2	0.9							
						4.5	0.2	33	19.8	8.1	8.1	31.9	31.9	106.6	106.6	8.1	4.3	6	86	74	815636	804248	<0.2	0.9	<0.2	1.0							
						4.5	0.2	31	19.8	8.1	8.1	31.9	31.9	106.2	106.2	8.0	4.4	6	86	74	815636	804248	<0.2	1.0	<0.2	0.9							
					Bottom	8.0	0.2	24	19.8	19.8	8.1	8.1	31.9	31.9	99.4	98.2	7.5	5.6	8	87	74	815636	804248	<0.2	1.0	<0.2	1.0						
						8.0	0.3	30	19.8	19.8	8.1	8.1	31.9	31.9	97.0	98.2	7.3	5.5	7	87	74	815636	804248	<0.2	0.9	<0.2	0.9						
						C2	Misty	Moderate	10:57	10.2	Surface	1.0	0.3	347	20.5	20.5	8.1	8.1	28.0	28.0	105.5	105.6	8.1	4.1	6	44	74	825672	806943	<0.2	1.0	<0.2	0.9
												1.0	0.3	349	20.5	8.1	8.1	28.0	28.0	105.7	105.6	8.1	4.1	6	44	74	825672	806943	<0.2	0.9	<0.2	0.9	
5.1	0.3	332	20.4	8.1	8.1							28.5	28.5	107.5	107.7	8.2	5.2	6	87	74	825672	806943	<0.2	0.9	<0.2	0.9							
5.1	0.4	335	20.4	8.1	8.1							28.5	28.5	107.8	107.7	8.2	5.2	6	87	74	825672	806943	<0.2	0.9	<0.2	0.9							
Bottom	9.2	0.3	334	20.3	20.4						8.1	8.1	28.9	28.7	109.7	110.0	8.4	6.0	6	90	74	825672	806943	<0.2	0.9	<0.2	0.9						
	9.2	0.3	335	20.4	20.4						8.1	8.1	28.6	28.7	110.3	110.0	8.4	6.1	5	90	74	825672	806943	<0.2	0.9	<0.2	0.9						
	C3	Cloudy	Moderate	08:55	11.2						Surface	1.0	0.2	255	20.9	20.9	8.0	8.0	26.7	26.7	95.2	95.2	7.3	2.0	6	47	49	822116	817818	<0.2	1.0	<0.2	1.1
												1.0	0.2	249	20.9	8.0	8.0	26.7	26.7	95.2	95.2	7.3	2.1	6	47	49	822116	817818	<0.2	1.1	<0.2	1.1	
5.6						0.2	269	20.8	7.9	7.9		27.2	27.2	94.6	94.6	7.2	3.0	5	48	49	822116	817818	<0.2	1.1	<0.2	1.1							
5.6						0.2	275	20.8	7.9	7.9		27.2	27.2	94.6	94.6	7.2	3.1	5	48	49	822116	817818	<0.2	1.0	<0.2	1.0							
Bottom						10.2	0.2	252	20.8	20.8	7.9	7.9	27.5	27.5	95.2	95.3	7.3	4.2	5	52	49	822116	817818	<0.2	1.0	<0.2	1.1						
						10.2	0.2	259	20.8	20.8	7.9	7.9	27.5	27.5	95.3	95.3	7.3	4.3	4	52	49	822116	817818	<0.2	1.1	<0.2	1.1						
						IM1	Misty	Moderate	10:12	6.4	Surface	1.0	0.1	5	20.0	20.0	8.1	8.1	30.4	30.4	106.6	106.6	8.1	2.2	5	52	76	818339	806467	<0.2	0.9	<0.2	0.8
												1.0	0.2	3	20.0	8.1	8.1	30.4	30.4	106.6	106.6	8.1	2.1	6	52	76	818339	806467	<0.2	0.8	<0.2	1.1	
3.2	0.2	11	20.0	8.1	8.1							30.9	31.0	105.8	105.6	8.0	3.7	6	87	76	818339	806467	<0.2	1.1	<0.2	0.9							
3.2	0.1	16	19.9	8.1	8.1							31.0	31.0	105.4	105.6	8.0	3.7	6	87	76	818339	806467	<0.2	0.9	<0.2	1.0							
Bottom	5.4	0.1	20	19.9	19.9						8.1	8.1	31.6	31.6	97.0	97.1	7.3	4.1	7	90	76	818339	806467	<0.2	1.0	<0.2	1.0						
	5.4	0.1	18	19.9	19.9						8.1	8.1	31.6	31.6	97.1	97.1	7.3	4.0	8	90	76	818339	806467	<0.2	1.0	<0.2	1.0						
	IM2	Misty	Moderate	10:18	7.2						Surface	1.0	0.2	14	20.0	20.0	8.1	8.1	30.9	30.9	110.5	110.7	8.4	4.1	6	48	74	819161	806219	<0.2	1.0	<0.2	0.9
												1.0	0.1	13	20.0	8.1	8.1	31.0	31.3	111.3	111.4	8.4	4.2	5	49	74	819161	806219	<0.2	1.0	<0.2	0.8	
3.6						0.1	354	19.9	8.1	8.1		31.2	31.3	111.3	111.4	8.4	5.6	6	86	74	819161	806219	<0.2	0.9	<0.2	0.8							
3.6						0.1	351	19.9	8.1	8.1		31.3	31.3	111.4	111.4	8.4	5.7	6	86	74	819161	806219	<0.2	0.9	<0.2	0.8							
Bottom						6.2	0.1	26	19.9	19.9	8.1	8.1	31.5	31.4	112.5	112.8	8.5	6.0	6	87	74	819161	806219	<0.2	1.0	<0.2	0.9						
						6.2	0.1	27	19.9	19.9	8.1	8.1	31.4	31.4	113.0	112.8	8.6	6.0	7	87	74	819161	806219	<0.2	0.9	<0.2	0.9						
						IM7	Misty	Moderate	10:36	8.2	Surface	1.0	0.2	342	20.5	20.5	8.1	8.1	27.3	27.3	103.1	103.2	7.9	1.0	6	49	76	821364	806829	<0.2	1.0	<0.2	0.9
												1.0	0.2	334	20.5	8.1	8.1	27.3	27.3	103.2	103.2	7.9	1.0	6	49	76	821364	806829	<0.2	0.9	<0.2	0.9	
4.1	0.1	324	20.5	8.1	8.1							27.7	27.7	104.3	104.4	8.0	2.5	6	89	76	821364	806829	<0.2	1.0	<0.2	1.0							
4.1	0.2	331	20.5	8.1	8.1							27.7	27.7	104.4	104.4	8.0	2.8	5	89	76	821364	806829	<0.2	1.0	<0.2	1.1							
Bottom	7.2	0.1	316	20.2	20.2						8.1	8.1	29.5	29.5	106.8	107.0	8.1	3.9	5	90	76	821364	806829	<0.2	1.1	<0.2	1.1						
	7.2	0.1	313	20.2	20.2						8.1	8.1	29.5	29.5	107.1	107.0	8.2	3.8	5	90	76	821364	806829	<0.2	1.0	<0.2	1.0						

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

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

Water Quality Monitoring Results on 24 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
IM10	Cloudy	Moderate	10:12	7.6	Surface	1.0	0.4	273	20.9	20.9	7.9	7.9	26.5	26.5	96.0	96.0	7.4	7.4	1.8	4.2	5	6	45	49	822222	809842	<0.2	<0.2	1.0	1.4						
						1.0	0.4	275	20.9		7.9	7.9	26.5	26.5	96.0	96.0	7.3		1.8		5		46				<0.2		1.0							
					Middle	3.8	0.3	271	20.9	20.9	7.9	7.9	26.8	26.8	96.5	96.6	7.4	7.4	5.1	6	49	50	5	6			49	53	<0.2	<0.2	1.5	1.5				
						3.8	0.3	276	20.9		7.9	7.9	26.8	26.8	96.7	96.7	7.4		5.2		6		50				<0.2		1.5							
					Bottom	6.6	0.3	269	20.9	20.9	7.9	7.9	26.9	26.9	97.0	97.1	7.4	7.4	5.6	6	53	53	6	6			53	53	<0.2	<0.2	1.6	1.5				
						6.6	0.4	267	20.9		7.9	7.9	26.9	26.9	97.1	97.1	7.4		5.7		6		53				<0.2		1.5							
IM11	Cloudy	Moderate	10:05	7.2	Surface	1.0	0.4	283	20.9	20.9	7.9	7.9	26.8	26.8	94.3	94.3	7.2	7.2	6.8	10.7	5	5	46	49	821519	810553	<0.2	<0.2	1.6	1.7						
						1.0	0.4	280	20.9		7.9	7.9	26.9	26.8	94.3	94.3	7.2		7.3		5		46				<0.2		1.8							
					Middle	3.6	0.4	291	20.9	20.9	7.9	7.9	27.3	27.3	94.6	94.7	7.2	7.2	9.4	5	49	49	5	5			49	52	<0.2	<0.2	1.6	1.7				
						3.6	0.4	298	20.9		7.9	7.9	27.3	27.3	94.7	94.7	7.2		10.0		5		49				<0.2		1.6							
					Bottom	6.2	0.4	278	20.8	20.8	7.9	7.9	27.5	27.5	95.0	95.1	7.2	7.2	14.9	6	52	52	5	6			52	52	<0.2	<0.2	1.7	1.6				
						6.2	0.4	271	20.8		7.9	7.9	27.5	27.5	95.1	95.1	7.2		15.5		6		52				<0.2		1.6							
IM12	Cloudy	Moderate	10:00	8.3	Surface	1.0	0.4	269	21.0	21.0	7.9	7.9	26.3	26.3	95.0	95.0	7.3	7.3	4.5	4.1	6	5	46	49	821140	811516	<0.2	<0.2	1.6	1.6						
						1.0	0.4	266	21.0		7.9	7.9	26.3	26.3	94.9	94.9	7.3		4.5		6		46				<0.2		1.6							
					Middle	4.2	0.4	269	20.9	20.9	7.9	7.9	26.9	26.9	94.5	94.5	7.2	7.2	3.4	5	48	48	5	5			48	52	<0.2	<0.2	1.4	1.8				
						4.2	0.5	264	20.9		7.9	7.9	27.0	26.9	94.5	94.5	7.2		3.5		5		48				<0.2		1.4							
					Bottom	7.3	0.4	298	20.9	20.9	7.9	7.9	27.3	27.3	95.1	95.3	7.3	7.3	4.3	4	52	53	5	5			52	53	<0.2	<0.2	1.8	1.7				
						7.3	0.3	295	20.9		7.9	7.9	27.2	27.3	95.5	95.3	7.3		4.2		4		53				<0.2		1.7							
SR1A	Cloudy	Moderate	09:35	4.9	Surface	1.0	0.0	222	20.9	20.9	7.9	7.9	26.6	26.6	90.7	90.7	6.9	6.9	3.4	5.8	6	6	-	-	819981	812662	-	-	-	-						
						1.0	0.0	221	20.9		7.9	7.9	26.7	26.7	90.7	90.7	6.9		3.8		6		-				-									
					Middle	2.5	0.0	199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	
						2.5	-	194	-		-	-	-	-	-	-	-																			-
					Bottom	3.9	-	194	20.8	20.8	7.9	7.9	26.9	26.9	91.2	91.3	7.0	7.0	7.5	7.0	6	6	6	6			-	-	-	-	-	-	-	-	-	-
						3.9	0.1	191	20.8		7.9	7.9	26.9	26.9	91.3	91.3	7.0		8.5		5		-				-									
SR2	Cloudy	Moderate	09:23	4.6	Surface	1.0	0.1	241	20.9	20.9	8.0	8.0	26.7	26.7	95.3	95.3	7.3	7.3	2.0	2.0	6	5	47	50	821447	814147	<0.2	<0.2	1.5	1.5						
						1.0	0.1	243	20.9		8.0	8.0	26.7	26.7	95.3	95.3	7.3		2.0		5		48				<0.2		1.6							
					Middle	-	0.0	223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	
						-	0.0	217	-		-	-	-	-	-	-	-																			-
					Bottom	3.6	0.0	222	20.9	20.9	8.0	8.0	26.6	26.6	95.3	95.4	7.3	7.3	2.0	7.3	5	5	52	53			5	5	52	53	<0.2	<0.2	1.6	1.4		
						3.6	0.1	217	20.9		8.0	8.0	26.6	26.6	95.4	95.4	7.3		2.0		5		53				<0.2		1.4							
SR3	Misty	Moderate	10:41	9.0	Surface	1.0	0.3	331	20.6	20.6	8.1	8.1	27.8	27.8	103.3	103.4	7.9	7.9	1.2	1.9	3	4	-	-	822147	807579	-	-	-	-						
						1.0	0.3	332	20.6		8.1	8.1	27.8	27.8	103.4	103.4	7.9		1.1		3		-				-									
					Middle	4.5	0.3	317	20.5	20.5	8.1	8.1	27.8	27.8	104.0	104.2	7.9	8.0	1.6	1.5	4	4	-	-			-	-	-	-	-	-	-	-	-	
						4.5	0.2	313	20.5		8.1	8.1	27.8	27.8	104.2	104.2	8.0		1.5		4		-													-
					Bottom	8.0	0.2	324	20.5	20.5	8.1	8.1	28.2	28.1	108.3	108.6	8.3	8.3	2.9	8.3	5	5	-	-			-	-	-	-	-	-	-	-	-	
						8.0	0.2	324	20.5		8.1	8.1	28.1	28.1	108.8	108.8	8.3		2.9		5		-													-
SR4A	Misty	Moderate	09:57	9.4	Surface	1.0	0.0	210	20.2	20.2	8.1	8.1	29.1	29.1	103.7	103.8	7.9	8.0	2.1	3.4	8	7	-	-	817170	807788	-	-	-	-						
						1.0	0.1	209	20.2		8.1	8.1	29.2	29.1	103.9	103.8	7.9		2.1		8		-				-									
					Middle	4.7	0.0	201	20.1	20.1	8.1	8.1	30.2	30.3	105.6	105.8	8.0	8.0	3.2	3.1	7	7	-	-			-	-	-	-	-	-	-	-		
						4.7	0.1	206	20.1		8.1	8.1	30.3	30.3	105.8	105.8	8.0		3.1		7		-												-	
					Bottom	8.4	0.0	230	20.1	20.1	8.0	8.0	30.6	30.6	105.0	104.9	8.0	8.0	5.0	8.0	6	7	-	-			-	-	-	-	-	-	-	-		
						8.4	0.0	236	20.1		8.0	8.0	30.5	30.6	104.8	104.8	8.0		5.0		7		-												-	
SR8	Cloudy	Moderate	09:57	4.5	Surface	1.0	-	-	20.9	20.9	7.9	7.9	26.4	26.4	93.9	93.9	7.2	7.2	11.2	12.9	4	5	-	-	820380	811628	-	-	-	-						
						1.0	-	-	20.9		7.9	7.9	26.4	26.4	93.8	93.8	7.2		11.8		4		-				-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-		
						-	-	-	-		-	-	-	-	-	-	-																		-	-
					Bottom	3.5	-	-	20.9	20.9	7.9	7.9	26.1	26.0	92.5	92.4	7.1	7.1	14.2	7.1	5	5	-	-			-	-	-	-	-	-	-	-	-	
						3.5	-	-	20.9		7.9	7.9	26.0	26.0	92.2	92.2	7.1		14.2		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 26 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA					
C1	Misty	Moderate	19:38	8.4	Surface	1.0	0.4	203	20.2	20.2	8.0	8.0	28.7	28.7	98.7	98.7	7.6	7.4	1.8	5.0	2	4	56	58	815601	804226	<0.2	<0.2	1.2	1.3					
						1.0	0.4	203	20.1	20.2	8.0	8.0	28.8	28.7	98.7	98.7	7.6	7.4	1.8	5.0	2	4	54	58	815601	804226	<0.2	<0.2	1.1	1.3					
						4.2	0.4	193	19.5	19.5	8.0	8.0	29.9	29.9	94.1	94.1	7.2	7.2	6.1	5.0	4	4	53	58	815601	804226	<0.2	<0.2	1.2	1.3					
					Middle	4.2	0.4	190	19.5	19.5	8.0	8.0	29.9	29.9	94.0	94.1	7.2	7.2	6.1	5.0	4	4	56	58	815601	804226	<0.2	<0.2	1.3	1.3					
						7.4	0.4	208	19.5	19.5	8.0	8.0	29.9	29.9	93.5	93.5	7.2	7.2	7.1	5.0	5	4	62	66	815601	804226	<0.2	<0.2	1.5	1.3					
						7.4	0.4	207	19.5	19.5	8.0	8.0	29.9	29.9	93.5	93.5	7.2	7.2	7.0	5.0	4	4	66	66	815601	804226	<0.2	<0.2	1.7	1.3					
					C2	Misty	Moderate	18:29	10.0	Surface	1.0	0.3	169	20.8	20.8	7.9	7.9	23.7	23.7	91.5	91.4	7.1	7.0	1.2	2.3	4	3	62	61	825691	806939	<0.2	<0.2	0.6	0.7
											1.0	0.3	172	20.8	20.8	7.9	7.9	23.8	23.7	91.3	91.4	7.1	7.0	1.2	2.3	4	3	64	58	825691	806939	<0.2	<0.2	0.8	0.7
											5.0	0.4	172	20.0	20.0	7.9	7.9	25.4	25.4	88.6	88.6	6.9	6.9	2.4	2.3	3	3	55	58	825691	806939	<0.2	<0.2	0.6	0.7
Middle	5.0	0.3	165	20.0						20.0	7.9	7.9	25.4	25.4	88.6	88.6	6.9	6.9	2.4	2.3	3	3	58	58	825691	806939	<0.2	<0.2	0.7	0.7					
	9.0	0.3	160	20.1						20.1	7.9	7.9	27.9	27.9	89.0	89.1	6.9	6.9	3.3	2.3	3	3	63	61	825691	806939	<0.2	<0.2	0.7	0.7					
	9.0	0.3	163	20.2						20.2	7.9	7.9	27.8	27.9	89.1	89.1	6.9	6.9	3.4	2.3	3	3	61	61	825691	806939	<0.2	<0.2	0.7	0.7					
C3	Cloudy	Moderate	20:10	11.5						Surface	1.0	0.4	84	21.4	21.4	7.9	7.9	25.4	25.4	95.4	95.4	7.3	7.2	1.3	1.1	4	3	49	52	822114	817799	<0.2	<0.2	1.4	1.4
											1.0	0.4	90	21.4	21.4	7.9	7.9	25.3	25.4	95.4	95.4	7.3	7.2	1.2	1.1	5	3	49	52	822114	817799	<0.2	<0.2	1.4	1.4
											5.8	0.3	95	20.7	20.7	8.0	8.0	28.5	28.6	92.4	92.4	7.0	7.0	0.8	1.1	3	3	53	53	822114	817799	<0.2	<0.2	1.4	1.4
					Middle	5.8	0.3	98	20.7	20.7	8.0	8.0	28.6	28.6	92.3	92.4	7.0	7.0	0.8	1.1	4	3	52	53	822114	817799	<0.2	<0.2	1.4	1.4					
						10.5	0.3	89	20.7	20.7	8.0	8.0	28.9	28.9	93.0	93.1	7.0	7.0	1.1	1.1	2	3	53	53	822114	817799	<0.2	<0.2	1.4	1.4					
						10.5	0.3	90	20.7	20.7	8.0	8.0	28.9	28.9	93.1	93.1	7.0	7.0	1.1	1.1	2	3	53	53	822114	817799	<0.2	<0.2	1.4	1.4					
					IM1	Misty	Moderate	19:19	6.8	Surface	1.0	0.2	205	21.2	21.2	8.0	8.0	24.4	24.4	97.0	96.9	7.5	7.4	2.9	3.5	4	4	68	66	818327	806441	<0.2	<0.2	1.6	1.4
											1.0	0.2	199	21.2	21.2	8.0	8.0	24.4	24.4	96.8	96.8	7.5	7.4	3.0	3.5	4	4	69	66	818327	806441	<0.2	<0.2	1.5	1.4
											3.4	0.2	175	20.0	20.0	8.0	8.0	28.6	28.7	93.6	93.5	7.2	7.2	3.6	3.5	3	4	70	62	818327	806441	<0.2	<0.2	1.2	1.4
Middle	3.4	0.3	171	20.0						20.0	8.0	8.0	28.7	28.7	93.4	93.4	7.2	7.2	3.7	3.5	4	4	72	62	818327	806441	<0.2	<0.2	1.2	1.4					
	5.8	0.3	189	19.9						19.9	8.0	8.0	29.1	29.1	92.8	92.8	7.1	7.1	4.0	3.5	3	4	58	60	818327	806441	<0.2	<0.2	1.3	1.4					
	5.8	0.3	196	19.9						19.9	8.0	8.0	29.1	29.1	92.8	92.8	7.1	7.1	4.1	3.5	3	4	60	60	818327	806441	<0.2	<0.2	1.4	1.4					
IM2	Misty	Moderate	19:13	7.0						Surface	1.0	0.2	190	20.9	20.9	8.0	8.0	24.2	24.2	97.8	97.8	7.6	7.6	2.1	4.3	5	4	58	58	819164	806250	<0.2	<0.2	1.4	1.4
											1.0	0.2	185	20.9	20.9	8.0	8.0	24.2	24.2	97.8	97.8	7.6	7.6	2.3	4.3	5	4	55	58	819164	806250	<0.2	<0.2	1.3	1.4
											3.5	0.3	184	20.5	20.5	8.0	8.0	24.4	24.4	97.2	97.2	7.6	7.6	4.8	4.3	4	4	56	62	819164	806250	<0.2	<0.2	1.3	1.4
					Middle	3.5	0.3	177	20.4	20.4	8.0	8.0	24.5	24.4	97.2	97.2	7.6	7.6	5.0	4.3	4	4	54	62	819164	806250	<0.2	<0.2	1.4	1.4					
						6.0	0.3	185	20.2	20.2	8.0	8.0	28.1	28.1	93.2	93.2	7.2	7.2	6.0	4.3	3	4	62	64	819164	806250	<0.2	<0.2	1.3	1.4					
						6.0	0.3	188	20.2	20.2	8.0	8.0	28.1	28.1	93.2	93.2	7.2	7.2	5.8	4.3	3	4	64	64	819164	806250	<0.2	<0.2	1.4	1.4					
					IM7	Misty	Moderate	18:53	7.4	Surface	1.0	0.2	185	20.4	20.4	7.9	7.9	25.8	25.8	87.6	87.6	6.8	6.8	2.8	3.7	4	5	58	55	821359	806825	<0.2	<0.2	1.4	1.5
											1.0	0.2	181	20.4	20.4	7.9	7.9	25.9	25.9	87.6	87.6	6.8	6.8	2.8	3.7	4	5	55	55	821359	806825	<0.2	<0.2	1.3	1.5
											3.7	0.2	179	20.4	20.4	7.9	7.9	26.1	26.1	88.0	88.1	6.8	6.8	3.9	3.7	4	5	56	50	821359	806825	<0.2	<0.2	1.4	1.5
Middle	3.7	0.3	184	20.4						20.4	7.9	7.9	26.0	26.0	88.1	88.1	6.8	6.8	3.9	3.7	4	5	54	50	821359	806825	<0.2	<0.2	1.5	1.5					
	6.4	0.3	190	20.4						20.4	7.9	7.9	26.0	25.9	88.4	88.5	6.8	6.9	4.5	4.6	7	5	50	55	821359	806825	<0.2	<0.2	1.5	1.5					
	6.4	0.3	195	20.4						20.4	7.9	7.9	25.9	25.9	88.5	88.5	6.9	6.9	4.6	4.6	7	5	55	55	821359	806825	<0.2	<0.2	1.6	1.5					

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

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

Water Quality Monitoring Results on 26 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
IM10	Cloudy	Moderate	18:44	8.1	Surface	1.0	0.3	95	21.5	21.5	7.9	7.9	23.8	23.8	92.4	92.3	7.1	7.0	2.0	4.4	4	4	46	49	822249	809858	<0.2	<0.2	1.5	1.4					
						1.0	0.3	94	21.5		7.9	7.9	23.8	23.8	92.1	92.3	7.1	7.0	2.1	4.4	5	4	47	49			<0.2	<0.2	1.4	1.4					
					Middle	4.1	0.4	128	21.0	21.0	7.9	7.9	25.7	25.7	90.0	90.0	6.9	6.9	4.6	4.4	4	4	49	51			49	51	<0.2	<0.2	1.4	1.4			
						4.1	0.4	128	21.0		7.9	7.9	25.7	25.7	89.9	90.0	6.9	6.9	5.0	4.4	4	4	49	51			49	51	<0.2	<0.2	1.5	1.4			
					Bottom	7.1	0.3	97	20.9	20.9	7.9	7.9	28.0	28.0	90.1	90.3	6.8	6.9	6.4	6.9	6.4	6.9	3	3			50	53	50	53	<0.2	<0.2	1.3	1.3	
						7.1	0.4	104	20.9		7.9	7.9	28.0	28.0	90.4	90.4	6.9	6.9	6.5	6.9	3	3	50	53			50	53	<0.2	<0.2	1.3	1.3			
IM11	Cloudy	Moderate	19:07	8.2	Surface	1.0	0.5	107	21.4	21.4	7.9	7.9	24.8	24.8	91.1	91.1	7.0	7.0	2.6	4.8	4	4	49	49	821498	810565	<0.2	<0.2	1.4	1.4					
						1.0	0.5	112	21.4		7.9	7.9	24.9	24.8	91.0	90.4	7.0	7.0	2.8	4.8	4	4	49	52			49	52	<0.2	<0.2	1.4	1.4			
					Middle	4.1	0.5	104	21.2	21.2	7.9	7.9	25.7	25.7	90.4	90.4	6.9	6.9	4.4	4.8	4	4	52	52			52	52	<0.2	<0.2	1.4	1.4			
						4.1	0.5	107	21.2		7.9	7.9	25.7	25.7	90.4	90.4	6.9	6.9	4.6	4.8	4	4	52	53			52	53	<0.2	<0.2	1.4	1.4			
					Bottom	7.2	0.5	71	21.0	21.0	8.0	8.0	27.8	27.8	91.0	91.1	6.9	6.9	7.1	6.9	7.1	6.9	3	3			53	53	53	53	<0.2	<0.2	1.3	1.4	
						7.2	0.5	67	21.0		8.0	8.0	27.8	27.8	91.1	91.1	6.9	6.9	7.1	6.9	7.1	6.9	3	3			53	53	53	53	<0.2	<0.2	1.4	1.4	
IM12	Cloudy	Moderate	19:13	8.2	Surface	1.0	0.5	115	21.4	21.4	7.9	7.9	24.8	24.8	91.1	91.1	7.0	7.0	2.3	2.7	5	5	48	48	821177	811523	<0.2	<0.2	1.4	1.4					
						1.0	0.5	116	21.4		7.9	7.9	24.9	24.8	91.0	91.0	7.0	7.0	2.3	2.7	5	5	48	48			48	48	<0.2	<0.2	1.4	1.4			
					Middle	4.1	0.4	101	21.3	21.3	7.9	7.9	25.5	25.5	90.4	90.4	6.9	6.9	2.8	2.7	4	4	51	51			51	51	<0.2	<0.2	1.4	1.4			
						4.1	0.4	94	21.3		7.9	7.9	25.5	25.5	90.4	90.4	6.9	6.9	2.8	2.7	4	4	51	51			51	51	<0.2	<0.2	1.4	1.4			
					Bottom	7.2	0.4	117	21.3	21.3	7.9	7.9	25.8	25.8	90.8	90.8	6.9	6.9	3.1	6.9	3.1	6.9	3	2			53	54	53	54	<0.2	<0.2	1.5	1.5	
						7.2	0.5	123	21.3		7.9	7.9	25.8	25.8	90.8	90.8	6.9	6.9	3.1	6.9	3.1	6.9	2	2			54	54	54	54	<0.2	<0.2	1.4	1.4	
SR1A	Cloudy	Moderate	19:27	5.5	Surface	1.0	0.0	52	21.7	21.7	7.9	7.9	25.0	25.1	92.5	92.5	7.0	7.0	2.0	5.4	5	-	-	-	819981	812855	-	-	-	-					
						1.0	0.0	47	21.7		7.9	7.9	25.1	25.1	92.4	92.4	7.0	7.0	2.0	5.4	6	-	-	-			-	-	-	-	-				
					Middle	2.8	0.0	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
						2.8	0.0	53	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
					Bottom	4.5	0.0	36	21.6	21.6	7.9	7.9	25.6	25.6	92.8	92.8	7.0	7.0	8.7	7.0	8.7	7.0	3	5			-	-	-	-	-	-	-	-	-
						4.5	0.1	28	21.6		7.9	7.9	25.6	25.6	92.8	92.8	7.0	7.0	8.8	7.0	8.8	7.0	4	5			-	-	-	-	-	-	-	-	-
SR2	Cloudy	Moderate	19:49	4.6	Surface	1.0	0.4	42	21.6	21.6	7.9	7.9	23.4	23.4	94.6	94.6	7.3	7.3	4.0	6.5	4	4	47	48	821440	814145	<0.2	<0.2	1.3	1.4					
						1.0	0.5	36	21.6		7.9	7.9	23.4	23.4	94.6	94.6	7.3	7.3	4.4	6.5	4	4	48	49			47	48	<0.2	<0.2	1.4	1.4			
					Middle	-	0.5	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
						-	0.4	23	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	
					Bottom	3.6	0.4	41	21.6	21.6	7.9	7.9	25.0	25.0	94.4	94.5	7.2	7.2	8.7	7.2	8.7	7.2	3	4			51	51	51	51	<0.2	<0.2	1.3	1.4	
						3.6	0.4	43	21.6		7.9	7.9	25.1	25.0	94.4	94.5	7.2	7.2	8.8	7.2	8.8	7.2	4	4			51	51	51	51	<0.2	<0.2	1.4	1.4	
SR3	Misty	Moderate	18:47	8.6	Surface	1.0	0.3	161	20.8	20.8	7.9	7.9	24.5	24.6	90.4	90.3	7.0	7.0	2.8	4.2	5	-	-	-	822150	807562	-	-	-	-					
						1.0	0.3	161	20.7		7.9	7.9	24.6	24.6	90.2	90.2	7.0	7.0	2.7	4.2	4	-	-	-			-	-	-	-	-				
					Middle	4.3	0.3	175	20.4	20.4	7.9	7.9	25.9	26.0	88.7	88.7	6.9	6.9	4.1	7.0	4.1	4.2	3	3			-	-	-	-	-	-	-	-	
						4.3	0.3	176	20.4		7.9	7.9	26.0	26.0	88.7	88.7	6.9	6.9	4.1	7.0	4.1	4.2	3	3			-	-	-	-	-	-	-		
					Bottom	7.6	0.3	151	20.3	20.3	7.9	7.9	26.2	26.2	89.0	89.1	6.9	6.9	5.9	6.9	5.9	6.9	2	3			-	-	-	-	-	-	-	-	
						7.6	0.3	154	20.3		7.9	7.9	26.1	26.2	89.1	89.1	6.9	6.9	5.9	6.9	5.9	6.9	2	3			-	-	-	-	-	-	-		
SR4A	Misty	Moderate	19:57	9.0	Surface	1.0	0.1	78	21.8	21.8	8.0	8.0	24.4	24.5	95.4	95.5	7.2	7.1	4.6	6.1	3	-	-	-	817204	807799	-	-	-	-					
						1.0	0.0	78	21.8		8.0	8.0	24.5	24.5	95.5	95.5	7.3	7.1	4.6	6.1	3	-	-	-			-	-	-	-					
					Middle	4.5	0.0	75	20.1	20.1	8.0	8.0	28.5	28.6	90.1	90.1	6.9	7.0	6.0	7.0	6.0	6.1	3	4			-	-	-	-	-	-	-		
						4.5	0.1	75	20.1		8.0	8.0	28.6	28.6	90.0	90.0	6.9	7.0	5.9	7.0	6.0	6.1	3	4			-	-	-	-	-	-			
					Bottom	8.0	0.0	81	20.2	20.2	8.0	8.0	28.2	28.2	90.6	90.7	7.0	7.0	7.7	7.0	7.7	7.0	6	6			-	-	-	-	-	-	-		
						8.0	0.0	87	20.2		8.0	8.0	28.2	28.2	90.7	90.7	7.0	7.0	7.6	7.0	7.6	7.0	6	6			-	-	-	-	-	-			
SR8	Cloudy	Moderate	19:17	4.6	Surface	1.0	-	-	21.8	21.8	7.9	7.9	24.5	24.5	94.2	94.3	7.2	7.2	3.1	3.7	3	-	-	-	820372	811635	-	-	-	-					
						1.0	-	-	21.8		7.9	7.9	24.5	24.5	94.3	94.3	7.2	7.2	3.1	3.7	4	-	-	-			-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-			
					Bottom	3.6	-	-	21.8	21.8	7.9	7.9	24.5	24.5	94.5	94.6	7.2	7.2	4.4	7.2	4.4	7.2	3	3			-	-	-	-	-	-	-		
						3.6	-	-	21.8		7.9	7.9	24.5	24.5	94.6	94.6	7.2	7.2	4.3	7.2	4.3	7.2	2	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 26 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA						
C1	Misty	Moderate	07:58	9.0	Surface	1.0	0.0	191	20.2	20.2	8.0	8.0	27.2	27.2	97.5	97.5	7.5	7.4	2.0	2.6	3	3	50	52	815601	804270	<0.2	<0.2	1.2	0.8						
						1.0	0.1	185	20.2	8.0	8.0	27.2	27.2	97.5	97.5	7.5	7.4	2.0	2.6	2	3	55	54													
						4.5	0.1	206	19.6	8.0	8.0	29.8	29.8	95.1	94.1	7.4	7.1	2.4	2.6	3	3	53	53													
						4.5	0.1	213	19.6	8.0	8.0	29.8	29.8	93.1	94.1	7.1	7.1	2.5	2.6	3	3	54	53													
					Bottom	8.0	0.0	206	19.6	8.0	8.0	29.2	29.2	95.1	95.0	7.4	7.4	3.4	6.9	4	4	52	52													
						8.0	0.0	205	19.6	8.0	8.0	29.2	29.2	94.9	95.0	7.4	7.4	3.4	6.9	4	4	50	50													
C2	Misty	Moderate	09:03	10.2	Surface	1.0	0.2	175	20.9	20.9	7.9	7.9	23.0	23.1	92.4	92.3	7.2	7.1	1.1	1.9	5	4	53	52	825702	806948	<0.2	<0.2	0.5	1.3						
						1.0	0.2	175	20.9	7.9	7.9	23.1	23.1	92.1	92.3	7.2	7.1	1.0	1.9	4	4	54	50													
						5.1	0.2	192	20.4	7.9	7.9	24.4	24.3	89.8	89.8	7.0	7.0	1.9	1.9	4	4	50	48													
						5.1	0.2	184	20.4	7.9	7.9	24.3	24.3	89.7	89.7	7.0	7.0	1.9	1.9	4	4	48	48													
					Bottom	9.2	0.1	189	20.3	7.9	7.9	27.0	27.0	89.6	89.7	6.9	6.9	2.9	6.9	3	3	52	52													
						9.2	0.1	183	20.3	7.9	7.9	26.9	27.0	89.7	89.7	6.9	6.9	2.9	6.9	3	3	55	55													
C3	Cloudy	Moderate	07:32	11.6	Surface	1.0	0.1	109	21.0	21.0	8.0	8.0	28.0	28.0	94.2	94.2	7.1	7.1	1.0	1.3	<2	<2	45	48	822120	817783	<0.2	<0.2	1.3	1.3						
						1.0	0.1	114	21.0	8.0	8.0	28.0	28.0	94.2	94.2	7.1	7.1	1.0	1.3	<2	<2	46	49													
						5.8	0.1	102	20.8	8.0	8.0	28.3	28.3	93.0	93.0	7.1	7.1	1.0	1.3	3	3	49	49													
						5.8	0.1	94	20.8	8.0	8.0	28.3	28.3	93.0	93.0	7.1	7.1	1.0	1.3	2	3	49	49													
					Bottom	10.6	0.1	93	20.5	8.0	8.0	29.4	29.4	90.8	90.8	6.9	6.9	1.9	6.9	3	3	50	51													
						10.6	0.1	90	20.5	8.0	8.0	29.5	29.4	90.8	90.8	6.9	6.9	1.9	6.9	3	3	51	51													
IM1	Misty	Moderate	08:16	6.4	Surface	1.0	0.0	178	20.4	20.4	8.0	8.0	24.4	24.4	95.1	95.0	7.4	7.3	4.7	6.1	4	4	53	53	818347	806441	<0.2	<0.2	0.6	0.6						
						1.0	0.1	183	20.3	8.0	8.0	24.4	24.4	94.9	95.0	7.4	7.3	4.9	6.1	5	4	52	54													
						3.2	0.1	175	20.1	8.0	8.0	25.3	26.7	93.8	93.7	7.3	7.2	6.2	6.6	4	4	54	55													
						3.2	0.1	169	20.1	8.0	8.0	28.2	28.8	93.6	92.9	7.2	7.1	6.6	7.0	4	4	55	50													
					Bottom	5.4	0.0	192	20.0	8.0	8.0	28.8	28.8	92.9	92.8	7.1	7.1	7.0	7.1	4	4	50	52													
						5.4	0.1	191	20.0	8.0	8.0	28.8	28.8	92.7	92.8	7.1	7.1	7.1	7.1	4	4	52	52													
IM2	Misty	Moderate	08:21	7.2	Surface	1.0	0.0	179	20.7	20.7	8.0	8.0	24.1	24.1	95.7	95.6	7.5	7.3	2.9	4.9	4	4	54	53	819165	806217	<0.2	<0.2	1.1	1.1						
						1.0	0.0	186	20.6	8.0	8.0	24.1	24.1	95.5	95.6	7.4	7.3	3.0	4.9	4	4	52	51													
						3.6	0.1	166	20.3	8.0	8.0	27.4	27.5	94.4	93.4	7.2	7.2	5.1	5.1	4	4	51	53													
						3.6	0.1	161	20.3	8.0	8.0	27.5	27.5	93.3	93.4	7.2	7.1	5.1	5.1	4	4	53	53													
					Bottom	6.2	0.0	173	20.3	8.0	8.0	27.9	27.9	93.1	93.1	7.1	7.1	6.8	6.8	3	3	56	54													
						6.2	0.0	172	20.4	8.0	8.0	27.8	27.9	93.1	93.1	7.1	7.1	6.5	6.5	3	3	54	54													
IM7	Misty	Moderate	08:40	8.0	Surface	1.0	0.1	143	20.7	20.7	7.9	7.9	24.6	24.6	89.8	89.6	7.0	6.9	2.7	4.3	3	4	52	52	821371	806828	<0.2	<0.2	1.1	1.2						
						1.0	0.1	147	20.6	7.9	7.9	24.7	26.1	89.4	87.5	7.0	6.8	2.9	4.3	3	4	50	50													
						4.0	0.1	148	20.4	7.9	7.9	26.1	26.1	87.5	87.5	6.8	6.8	4.7	4.9	4	4	54	50													
						4.0	0.1	143	20.4	7.9	7.9	26.2	26.4	87.5	87.7	6.8	6.8	4.9	5.3	4	4	50	52													
					Bottom	7.0	0.1	146	20.4	7.9	7.9	26.4	26.4	87.7	87.7	6.8	6.8	5.3	5.2	4	4	52	53													
						7.0	0.0	143	20.4	7.9	7.9	26.4	26.4	87.7	87.7	6.8	6.8	5.2	5.2	5	5	53	53													

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**

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Water Quality Monitoring**

Water Quality Monitoring Results on 26 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
IM10	Cloudy	Moderate	08:51	8.2	Surface	1.0	0.1	84	21.4	7.9	7.9	23.6	23.6	91.4	91.3	7.1	7.0	2.9	3.1	4	5	45	46	48	48	822224	809854	<0.2	<0.2	1.2	1.2		
						1.0	0.0	77	21.3	7.9	7.9	23.6	23.6	91.2	91.3	7.0	7.0	3.1	3.1	5	5	46	46	48	48								
						4.1	0.1	89	21.0	7.9	7.9	25.8	25.8	90.4	90.5	6.9	6.9	4.9	4.9	3	3	49	49	48	48								
						4.1	0.1	83	21.0	7.9	7.9	25.8	25.8	90.5	90.5	6.9	6.9	5.4	5.4	3	3	49	49	48	48								
						7.2	0.0	100	20.9	7.9	7.9	28.2	28.2	90.9	91.0	6.9	6.9	8.9	8.9	3	3	49	49	48	48								
						7.2	0.1	93	20.9	7.9	7.9	28.2	28.2	91.0	91.0	6.9	6.9	8.8	8.8	3	3	50	50	49	49								
					Middle	4.1	0.1	89	21.0	7.9	7.9	25.8	25.8	90.4	90.5	6.9	6.9	4.9	4.9	3	3	49	49	48	48			48	48	<0.2	<0.2	1.2	1.2
						4.1	0.1	83	21.0	7.9	7.9	25.8	25.8	90.5	90.5	6.9	6.9	5.4	5.4	3	3	49	49	48	48			48	48	<0.2	<0.2	1.2	1.2
						7.2	0.0	100	20.9	7.9	7.9	28.2	28.2	90.9	91.0	6.9	6.9	8.9	8.9	3	3	49	49	48	48			48	48	<0.2	<0.2	1.3	1.3
						7.2	0.1	93	20.9	7.9	7.9	28.2	28.2	91.0	91.0	6.9	6.9	8.8	8.8	3	3	50	50	49	49			48	48	<0.2	<0.2	1.3	1.3
						4.1	0.1	89	21.0	7.9	7.9	25.8	25.8	90.4	90.5	6.9	6.9	4.9	4.9	3	3	49	49	48	48			48	48	<0.2	<0.2	1.2	1.2
						4.1	0.1	83	21.0	7.9	7.9	25.8	25.8	90.5	90.5	6.9	6.9	5.4	5.4	3	3	49	49	48	48			48	48	<0.2	<0.2	1.2	1.2
IM11	Cloudy	Moderate	08:42	8.0	Surface	1.0	0.1	83	21.4	7.9	7.9	24.0	24.0	91.5	91.5	7.0	7.0	2.2	2.4	2	4	45	45	48	48	821513	810559	<0.2	<0.2	1.3	1.3		
						1.0	0.0	89	21.4	7.9	7.9	24.0	24.0	91.4	91.4	7.0	7.0	2.4	2.4	4	4	45	45	48	48								
						4.0	0.0	101	21.2	7.9	7.9	26.2	26.3	91.0	91.1	6.9	6.9	3.4	3.4	4	4	48	48	48	48			<0.2	<0.2	1.4	1.4		
						4.0	0.0	98	21.2	7.9	7.9	26.4	26.3	91.1	91.1	6.9	6.9	3.6	3.6	4	4	48	48	48	48			<0.2	<0.2	1.4	1.4		
						7.0	0.1	101	21.1	7.9	7.9	27.2	27.2	91.6	91.7	7.0	7.0	4.3	4.3	7	7	49	49	48	48			<0.2	<0.2	1.3	1.3		
						7.0	0.0	96	21.1	7.9	7.9	27.2	27.2	91.7	91.7	7.0	7.0	4.4	4.4	6	6	50	50	49	49			<0.2	<0.2	1.3	1.3		
					Middle	4.0	0.0	101	21.2	7.9	7.9	26.2	26.3	91.0	91.1	6.9	6.9	3.4	3.4	4	4	48	48	48	48			48	48	<0.2	<0.2	1.4	1.4
						4.0	0.0	98	21.2	7.9	7.9	26.4	26.3	91.1	91.1	6.9	6.9	3.6	3.6	4	4	48	48	48	48			48	48	<0.2	<0.2	1.4	1.4
						7.0	0.1	101	21.1	7.9	7.9	27.2	27.2	91.6	91.7	7.0	7.0	4.3	4.3	7	7	49	49	48	48			48	48	<0.2	<0.2	1.3	1.3
						7.0	0.0	96	21.1	7.9	7.9	27.2	27.2	91.7	91.7	7.0	7.0	4.4	4.4	6	6	50	50	49	49			48	48	<0.2	<0.2	1.3	1.3
						4.0	0.0	101	21.2	7.9	7.9	26.2	26.3	91.0	91.1	6.9	6.9	3.4	3.4	4	4	48	48	48	48			48	48	<0.2	<0.2	1.4	1.4
						4.0	0.0	98	21.2	7.9	7.9	26.4	26.3	91.1	91.1	6.9	6.9	3.6	3.6	4	4	48	48	48	48			48	48	<0.2	<0.2	1.4	1.4
Bottom	7.0	0.1	101	21.1	7.9	7.9	27.2	27.2	91.6	91.7	7.0	7.0	4.3	4.3	7	7	49	49	48	48	48	48	<0.2	<0.2	1.3	1.3							
	7.0	0.0	96	21.1	7.9	7.9	27.2	27.2	91.7	91.7	7.0	7.0	4.4	4.4	6	6	50	50	49	49	48	48	<0.2	<0.2	1.3	1.3							
	4.0	0.0	101	21.2	7.9	7.9	26.2	26.3	91.0	91.1	6.9	6.9	3.4	3.4	4	4	48	48	48	48	48	48	<0.2	<0.2	1.4	1.4							
	4.0	0.0	98	21.2	7.9	7.9	26.4	26.3	91.1	91.1	6.9	6.9	3.6	3.6	4	4	48	48	48	48	48	48	<0.2	<0.2	1.4	1.4							
	7.0	0.1	101	21.1	7.9	7.9	27.2	27.2	91.6	91.7	7.0	7.0	4.3	4.3	7	7	49	49	48	48	48	48	<0.2	<0.2	1.3	1.3							
	7.0	0.0	96	21.1	7.9	7.9	27.2	27.2	91.7	91.7	7.0	7.0	4.4	4.4	6	6	50	50	49	49	48	48	<0.2	<0.2	1.3	1.3							
IM12	Cloudy	Moderate	08:35	8.5	Surface	1.0	0.0	82	21.4	7.9	7.9	24.8	24.8	91.9	91.9	7.0	7.0	2.9	3.1	4	4	44	45	48	48	821181	811511	<0.2	<0.2	1.3	1.3		
						1.0	0.0	77	21.4	7.9	7.9	24.8	24.8	91.8	91.8	7.0	7.0	3.1	3.1	4	4	45	45	48	48								
						4.3	0.1	105	21.2	7.9	7.9	25.1	25.2	91.0	91.0	7.0	7.0	5.2	5.2	4	4	48	48	48	48			<0.2	<0.2	1.3	1.3		
						4.3	0.1	97	21.1	7.9	7.9	25.2	25.2	90.9	90.9	7.0	7.0	5.6	5.6	4	4	48	48	48	48			<0.2	<0.2	1.4	1.4		
						7.5	0.1	87	20.9	7.9	7.9	28.1	28.1	90.7	90.8	6.9	6.9	8.9	8.9	3	3	49	49	48	48			<0.2	<0.2	1.3	1.3		
						7.5	0.0	87	20.9	7.9	7.9	28.1	28.1	90.8	90.8	6.9	6.9	9.4	9.4	3	3	49	49	48	48			<0.2	<0.2	1.3	1.3		
					Middle	4.3	0.1	105	21.2	7.9	7.9	25.1	25.2	91.0	91.0	7.0	7.0	5.2	5.2	4	4	48	48	48	48			48	48	<0.2	<0.2	1.3	1.3
						4.3	0.1	97	21.1	7.9	7.9	25.2	25.2	90.9	90.9	7.0	7.0	5.6	5.6	4	4	48	48	48	48			48	48	<0.2	<0.2	1.4	1.4
						7.5	0.1	87	20.9	7.9	7.9	28.1	28.1	90.7	90.8	6.9	6.9	8.9	8.9	3	3	49	49	48	48			48	48	<0.2	<0.2	1.3	1.3
						7.5	0.0	87	20.9	7.9	7.9	28.1	28.1	90.8	90.8	6.9	6.9	9.4	9.4	3	3	49	49	48	48			48	48	<0.2	<0.2	1.3	1.3
						4.3	0.1	105	21.2	7.9	7.9	25.1	25.2	91.0	91.0	7.0	7.0	5.2	5.2	4	4	48	48	48	48			48	48	<0.2	<0.2	1.3	1.3
						4.3	0.1	97	21.1	7.9	7.9	25.2	25.2	90.9	90.9	7.0	7.0	5.6	5.6	4	4	48	48	48	48			48	48	<0.2	<0.2	1.4	1.4
Bottom	7.5	0.1	87	20.9	7.9	7.9	28.1	28.1	90.7	90.8	6.9	6.9	8.9	8.9	3	3	49	49	48	48	48	48	<0.2	<0.2	1.3	1.3							
	7.5	0.0	87	20.9	7.9	7.9	28.1	28.1	90.8	90.8	6.9	6.9	9.4	9.4	3	3	49	49	48	48	48	48	<0.2	<0.2	1.3	1.3							
	4.3	0.1	105	21.2	7.9	7.9	25.1	25.2	91.0	91.0	7.0	7.0	5.2	5.2	4	4	48	48	48	48	48	48	<0.2	<0.2	1.3	1.3							
	4.3	0.1	97	21.1	7.9	7.9	25.2	25.2	90.9	90.9	7.0	7.0	5.6	5.6	4	4	48	48	48	48	48	48	<0.2	<0.2	1.4	1.4							
	7.5	0.1	87	20.9	7.9	7.9	28.1	28.1	90.7	90.8	6.9	6.9	8.9	8.9	3	3	49	49	48	48	48	48	<0.2	<0.2	1.3	1.3							
	7.5	0.0	87	20.9	7.9	7.9	28.1	28.1	90.8	90.8	6.9	6.9	9.4	9.4	3	3	49	49	48	48	48	48	<0.2	<0.2	1.3	1.3							
SR1A	Cloudy	Moderate	08:11	5.4	Surface	1.0	0.0	313	21.5	7.9	7.9	24.5	24.5	91.7	91.7	7.0	7.0	3.6	3.7	4	4	-	-	-	-	819978	812656	-	-	-	-		
						1.0	0.0	312																									

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

Water Quality Monitoring Results on 29 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	11:36	8.1	Surface	1.0	0.2	216	19.5	19.5	8.0	8.0	28.0	28.0	94.3	94.2	7.3	7.3	2.3	7	46	48	46	48	815615	804265	<0.2	<0.2	1.2	1.2
						1.0	0.1	213	19.5	8.0	8.0	28.0	28.0	94.1	94.2	7.3	7.3	2.4	8	46	48	46	48							
						4.1	0.2	202	19.5	8.0	8.0	29.8	29.8	93.1	93.1	7.2	7.2	7.4	8	48	48	48	48							
					Middle	4.1	0.2	204	19.5	8.0	8.0	29.8	29.8	93.0	93.1	7.2	7.2	7.3	8	47	48	47	48							
						7.1	0.2	187	19.4	8.0	8.0	30.6	30.6	91.2	91.2	7.0	7.0	9.2	8	50	50	50	50							
						7.1	0.1	181	19.4	8.0	8.0	30.6	30.6	91.2	91.2	7.0	7.0	9.0	9	51	51	51	51							
					Bottom	7.1	0.2	187	19.4	8.0	8.0	30.6	30.6	91.2	91.2	7.0	7.0	9.2	8	50	50	50	50							
						7.1	0.1	181	19.4	8.0	8.0	30.6	30.6	91.2	91.2	7.0	7.0	9.0	9	51	51	51	51							
						7.1	0.1	181	19.4	8.0	8.0	30.6	30.6	91.2	91.2	7.0	7.0	9.0	9	51	51	51	51							
C2	Cloudy	Moderate	12:48	12.0	Surface	1.0	0.4	161	20.0	20.0	8.0	8.0	27.0	27.0	89.9	90.0	7.0	7.0	3.8	4	52	54	52	54	825694	806963	0.2	0.2	0.9	0.9
						1.0	0.4	167	20.0	8.0	8.0	27.0	27.0	90.0	90.0	7.0	7.0	3.9	5	50	54	50	54							
						6.0	0.3	170	19.6	8.0	8.0	28.7	28.8	87.1	87.2	6.7	6.7	7.2	5	53	55	53	55							
					Middle	6.0	0.3	162	19.6	8.0	8.0	28.8	28.8	87.2	87.2	6.7	6.7	7.0	5	55	55	55	55							
						11.0	0.4	169	19.7	7.9	7.9	28.8	28.8	88.7	88.9	6.9	6.9	6.4	6	56	56	56	56							
						11.0	0.4	161	19.7	7.9	7.9	28.8	28.8	89.0	88.9	6.9	6.9	6.3	6	58	58	58	58							
					Bottom	11.0	0.4	169	19.7	7.9	7.9	28.8	28.8	88.7	88.9	6.9	6.9	6.4	6	56	56	56	56							
						11.0	0.4	161	19.7	7.9	7.9	28.8	28.8	89.0	88.9	6.9	6.9	6.3	6	58	58	58	58							
						11.0	0.4	161	19.7	7.9	7.9	28.8	28.8	89.0	88.9	6.9	6.9	6.3	6	58	58	58	58							
C3	Cloudy	Moderate	10:18	11.0	Surface	1.0	0.2	72	20.5	20.5	8.0	8.0	29.3	29.6	89.9	89.2	6.8	6.7	1.9	3	44	48	44	48	822126	817822	<0.2	<0.2	1.4	1.4
						1.0	0.2	65	20.4	8.0	8.0	29.3	29.6	88.6	89.2	6.7	6.7	2.6	4	44	48	44	48							
						5.5	0.2	94	20.3	8.0	8.0	30.3	30.3	87.6	87.6	6.6	6.6	7.4	5	48	48	48	48							
					Middle	5.5	0.1	96	20.3	8.0	8.0	30.3	30.3	87.5	87.6	6.6	6.6	7.4	5	49	48	49	48							
						10.0	0.2	74	20.3	7.9	7.9	30.3	30.3	87.3	87.3	6.6	6.6	9.7	5	51	51	51	51							
						10.0	0.2	68	20.3	7.9	7.9	30.3	30.3	87.3	87.3	6.6	6.6	9.0	5	51	51	51	51							
					Bottom	10.0	0.2	74	20.3	7.9	7.9	30.3	30.3	87.3	87.3	6.6	6.6	9.7	5	51	51	51	51							
						10.0	0.2	68	20.3	7.9	7.9	30.3	30.3	87.3	87.3	6.6	6.6	9.0	5	51	51	51	51							
						10.0	0.2	68	20.3	7.9	7.9	30.3	30.3	87.3	87.3	6.6	6.6	9.0	5	51	51	51	51							
IM1	Rainy	Moderate	11:55	6.6	Surface	1.0	0.1	181	19.4	19.4	8.0	8.0	28.5	28.5	93.5	93.3	7.3	7.1	3.4	7	47	49	47	49	818349	806470	<0.2	<0.2	1.1	1.1
						1.0	0.1	177	19.4	8.0	8.0	28.6	28.5	93.1	93.3	7.2	7.1	3.5	7	47	49	47	49							
						3.3	0.2	181	19.3	8.0	8.0	29.5	29.5	90.8	90.8	7.0	7.1	5.4	5	48	48	48	48							
					Middle	3.3	0.1	185	19.3	8.0	8.0	29.5	29.5	90.7	90.8	7.0	7.0	5.6	4	49	48	49	48							
						5.6	0.2	197	19.3	8.0	8.0	29.7	29.7	91.3	91.5	7.1	7.1	9.2	5	50	50	50	50							
						5.6	0.2	197	19.3	8.0	8.0	29.7	29.7	91.6	91.5	7.1	7.1	9.6	4	51	51	51	51							
					Bottom	5.6	0.2	197	19.3	8.0	8.0	29.7	29.7	91.3	91.5	7.1	7.1	9.2	5	50	50	50	50							
						5.6	0.2	197	19.3	8.0	8.0	29.7	29.7	91.6	91.5	7.1	7.1	9.6	4	51	51	51	51							
						5.6	0.2	197	19.3	8.0	8.0	29.7	29.7	91.6	91.5	7.1	7.1	9.6	4	51	51	51	51							
IM2	Cloudy	Moderate	12:01	7.1	Surface	1.0	0.2	190	19.5	19.5	8.0	8.0	28.3	28.3	94.7	94.6	7.4	7.3	2.8	7	46	48	46	48	819169	806237	<0.2	<0.2	1.1	1.2
						1.0	0.2	192	19.5	8.0	8.0	28.3	28.3	94.5	94.6	7.4	7.3	2.9	6	47	48	47	48							
						3.6	0.2	208	19.4	8.0	8.0	29.2	29.2	92.3	92.2	7.1	7.1	4.1	5	49	48	49	48							
					Middle	3.6	0.2	202	19.4	8.0	8.0	29.2	29.2	92.1	92.1	7.1	7.1	4.2	5	48	48	48	48							
						6.1	0.2	217	19.3	8.0	8.0	29.7	29.7	91.3	91.4	7.1	7.1	5.9	4	50	50	50	50							
						6.1	0.2	210	19.3	8.0	8.0	29.7	29.7	91.4	91.4	7.1	7.1	5.8	4	50	50	50	50							
					Bottom	6.1	0.2	217	19.3	8.0	8.0	29.7	29.7	91.3	91.4	7.1	7.1	5.9	4	50	50	50	50							
						6.1	0.2	210	19.3	8.0	8.0	29.7	29.7	91.4	91.4	7.1	7.1	5.8	4	50	50	50	50							
						6.1	0.2	210	19.3	8.0	8.0	29.7	29.7	91.4	91.4	7.1	7.1	5.8	4	50	50	50	50							
IM7	Cloudy	Moderate	12:21	8.0	Surface	1.0	0.2	190	19.5	19.5	8.0	8.0	27.9	27.9	91.3	91.3	7.1	7.1	4.2	4	46	48	46	48	821366	806828	<0.2	<0.2	1.1	1.1
						1.0	0.2	191	19.5	8.0	8.0	28.0	28.0	91.2	91.3	7.1	7.1	4.3	4	47	47	47	47							
						4.0	0.1	178	19.4	8.0	8.0	28.8	28.8	91.0	91.0	7.1	7.1	5.3	4	47	47	47	47							
					Middle	4.0	0.1	174	19.4	8.0	8.0	28.9	28.8	91.0	91.0	7.1	7.1	5.5	5	47	47	47	47							
						7.0	0.2	201	19.3	8.0	8.0	29.1	29.1	91.8	92.0	7.1	7.1	7.4	6	50	50	50	50							
						7.0	0.1	206	19.3	8.0	8.0	29.1	29.1	92.1	92.0	7.1	7.1	7.5	6	50	50	50	50							
					Bottom	7.0	0.2	201	19.3	8.0	8.0	29.1	29.1	91.8	92.0	7.1	7.1	7.4	6	50	50	50	50							
						7.0	0.1	206	19.3	8.0	8.0	29.1	29.1	92.1	92.0	7.1	7.1	7.5	6	50	50	50	50							
						7.0	0.1	206	19.3	8.0	8.0	29.1	29.1	92.1	92.0	7.1	7.1	7.5	6	50	50	50	50							

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

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

Water Quality Monitoring Results on 29 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA				
IM10	Cloudy	Moderate	11:40	8.4	Surface	1.0	0.3	103	20.6	20.6	7.9	7.9	26.7	26.7	91.2	91.2	7.0	6.9	3.5	6.2	7	7	47	49	822224	809844	<0.2	<0.2	1.2	1.2				
						1.0	0.3	103	20.6	20.6	7.9	7.9	26.7	26.7	91.2	91.2	7.0	6.9	3.6	6.2	7	7	47	49	822224	809844	<0.2	<0.2	1.2	1.2				
						4.2	0.3	93	20.2	20.2	7.9	7.9	28.7	28.7	89.5	89.5	6.8	6.8	5.7	6.2	7	7	49	49	822224	809844	<0.2	<0.2	1.3	1.3				
					Middle	4.2	0.3	90	20.2	20.2	7.9	7.9	28.7	28.7	89.5	89.5	6.8	6.8	6.0	6.2	7	7	49	49	822224	809844	<0.2	<0.2	1.3	1.3				
						7.4	0.3	112	20.2	20.2	7.9	7.9	28.8	28.8	89.4	89.4	6.8	6.8	9.4	6.2	6	6	50	50	822224	809844	<0.2	<0.2	1.1	1.1				
						7.4	0.3	118	20.2	20.2	7.9	7.9	28.8	28.8	89.4	89.4	6.8	6.8	9.3	6.2	6	6	50	50	822224	809844	<0.2	<0.2	1.1	1.1				
					Bottom	1.0	0.3	110	20.4	20.4	7.9	7.9	27.7	27.7	89.2	89.1	6.8	6.8	4.9	6.8	7	6	46	46	822224	809844	<0.2	<0.2	1.3	1.3				
						1.0	0.3	110	20.4	20.4	7.9	7.9	27.8	27.7	89.0	89.1	6.8	6.8	5.2	6.8	6	6	45	46	822224	809844	<0.2	<0.2	1.2	1.2				
						4.1	0.4	78	20.4	20.4	7.9	7.9	28.1	28.1	88.1	87.9	6.7	6.8	7.2	6.8	6	6	49	49	822224	809844	<0.2	<0.2	1.2	1.2				
IM11	Cloudy	Moderate	11:32	8.1	Surface	4.1	0.4	78	20.4	20.4	7.9	7.9	28.2	28.1	87.7	87.9	6.7	6.8	7.2	7.5	6	6	49	49	821517	810544	<0.2	<0.2	1.2	1.2				
						4.1	0.4	73	20.4	20.4	7.9	7.9	28.2	28.1	87.7	87.9	6.7	6.8	7.6	7.5	6	6	49	49	821517	810544	<0.2	<0.2	1.2	1.2				
						7.1	0.3	118	20.4	20.4	7.9	7.9	28.3	28.3	87.4	87.4	6.7	6.7	10.1	6.7	5	6	50	50	821517	810544	<0.2	<0.2	1.2	1.2				
					Middle	7.1	0.3	123	20.4	20.4	7.9	7.9	28.3	28.3	87.4	87.4	6.7	6.7	10.2	6.7	5	6	50	50	821517	810544	<0.2	<0.2	1.1	1.1				
						1.0	0.3	86	20.5	20.5	7.9	7.9	27.9	27.9	88.9	88.8	6.8	6.8	4.5	6.8	8	6	43	48	821517	810544	<0.2	<0.2	1.2	1.2				
						1.0	0.3	80	20.5	20.5	7.9	7.9	28.0	27.9	88.9	88.8	6.8	6.8	5.0	6.8	8	6	44	48	821517	810544	<0.2	<0.2	1.3	1.3				
					Bottom	4.3	0.3	97	20.5	20.5	7.9	7.9	28.7	28.7	87.9	87.9	6.7	6.8	6.2	6.8	10	9	48	48	821517	810544	<0.2	<0.2	1.2	1.2				
						4.3	0.3	103	20.5	20.5	7.9	7.9	28.7	28.7	87.9	87.9	6.7	6.8	6.3	6.8	10	9	48	48	821517	810544	<0.2	<0.2	1.3	1.3				
						7.6	0.3	100	20.5	20.5	7.9	7.9	28.8	28.8	87.9	88.0	6.7	6.7	7.3	6.7	10	9	51	51	821517	810544	<0.2	<0.2	1.3	1.3				
IM12	Cloudy	Moderate	11:23	8.6	Surface	7.6	0.3	96	20.5	20.5	7.9	7.9	28.8	28.8	88.0	88.0	6.7	6.7	8.0	6.2	10	9	51	48	821140	811510	<0.2	<0.2	1.2	1.3				
						1.0	0.3	86	20.5	20.5	7.9	7.9	27.9	27.9	88.9	88.8	6.8	6.8	4.5	6.8	8	6	43	48	821140	811510	<0.2	<0.2	1.2	1.3				
						1.0	0.3	80	20.5	20.5	7.9	7.9	28.0	27.9	88.9	88.8	6.8	6.8	5.0	6.8	8	6	44	48	821140	811510	<0.2	<0.2	1.3	1.3				
					Middle	4.3	0.3	97	20.5	20.5	7.9	7.9	28.7	28.7	87.9	87.9	6.7	6.8	6.2	6.8	10	9	48	48	821140	811510	<0.2	<0.2	1.2	1.2				
						4.3	0.3	103	20.5	20.5	7.9	7.9	28.7	28.7	87.9	87.9	6.7	6.8	6.3	6.8	10	9	48	48	821140	811510	<0.2	<0.2	1.3	1.3				
						7.6	0.3	100	20.5	20.5	7.9	7.9	28.8	28.8	87.9	88.0	6.7	6.7	7.3	6.7	10	9	51	51	821140	811510	<0.2	<0.2	1.3	1.3				
					Bottom	7.6	0.3	96	20.5	20.5	7.9	7.9	28.8	28.8	88.0	88.0	6.7	6.7	8.0	6.7	10	9	51	51	821140	811510	<0.2	<0.2	1.2	1.2				
						1.0	0.0	114	20.6	20.6	7.9	7.9	27.5	27.6	85.4	85.4	6.5	6.5	4.4	6.5	6	6	-	6	-	-	819974	812665	-	-	-	-		
						1.0	0.0	111	20.6	20.6	7.9	7.9	27.6	27.6	85.4	85.4	6.5	6.5	4.5	6.5	6	6	-	6	-	-	819974	812665	-	-	-	-		
SR1A	Cloudy	Moderate	10:55	5.6	Surface	2.8	0.0	110	-	-	-	-	-	-	-	-	-	6.5	6.4	-	6	-	-	-	-	819974	812665	-	-	-	-			
						2.8	0.0	108	-	-	-	-	-	-	-	-	-	-	-	-	6.5	6.4	-	6	-	-	-	-	819974	812665	-	-	-	-
						4.6	0.0	106	20.5	20.5	7.9	7.9	28.7	28.7	86.1	86.3	6.6	6.6	8.8	6.6	6	6	-	6	-	-	819974	812665	-	-	-	-		
					Middle	4.6	0.0	106	20.5	20.5	7.9	7.9	28.7	28.7	86.1	86.3	6.6	6.6	8.1	6.6	6	6	-	6	-	-	819974	812665	-	-	-	-		
						1.0	0.1	73	20.6	20.6	7.9	7.9	28.2	28.2	89.4	89.4	6.8	6.8	3.3	6.8	4	3.3	4	4	48	48	821470	814147	<0.2	<0.2	1.3	1.2		
						1.0	0.1	74	20.6	20.6	7.9	7.9	28.2	28.2	89.3	89.4	6.8	6.8	3.4	6.8	4	3.3	4	4	48	48	821470	814147	<0.2	<0.2	1.2	1.2		
					Bottom	-	0.1	65	-	-	-	-	-	-	-	-	-	-	-	-	6.8	6.9	-	4	-	-	-	49	821470	814147	<0.2	<0.2	1.3	1.3
						-	0.1	61	-	-	-	-	-	-	-	-	-	-	-	-	6.8	6.9	-	4	-	-	-	49	821470	814147	<0.2	<0.2	1.2	1.2
						4.3	0.2	48	20.5	20.5	7.9	7.9	28.8	28.7	89.9	91.0	6.8	6.9	3.2	6.9	3	6.9	3	4	51	51	821470	814147	<0.2	<0.2	1.2	1.2		
SR2	Cloudy	Moderate	10:40	5.3	Surface	4.3	0.2	51	20.5	20.5	7.9	7.9	28.7	28.7	92.0	92.0	7.0	6.9	3.3	6.9	3	3	50	50	821470	814147	<0.2	<0.2	1.4	1.4				
						1.0	0.4	158	19.9	19.9	8.0	8.0	25.6	25.6	90.0	89.9	7.1	7.0	2.9	7.0	6	6.5	6	6	-	-	822136	807567	-	-	-	-		
						1.0	0.4	158	19.9	19.9	8.0	8.0	25.6	25.6	89.8	89.9	7.0	7.0	3.1	7.0	6	6.5	6	6	-	-	822136	807567	-	-	-	-		
					Middle	4.5	0.4	183	19.6	19.6	8.0	8.0	28.1	28.1	90.0	90.2	7.0	7.0	6.1	7.0	6	6.5	6	6	-	-	822136	807567	-	-	-	-		
						4.5	0.4	181	19.6	19.6	8.0	8.0	28.2	28.1	90.3	90.2	7.0	7.0	6.5	7.0	6	6.5	6	6	-	-	822136	807567	-	-	-	-		
						7.9	0.3	145	19.4	19.4	8.0	8.0	28.8	28.8	91.3	91.3	7.1	7.1	10.1	7.1	6	6.5	6	6	-	-	822136	807567	-	-	-	-		
					Bottom	7.9	0.3	139	19.4	19.4	8.0	8.0	28.8	28.8	91.3	91.3	7.1	7.1	10.3	7.1	6	6.5	6	6	-	-	822136	807567	-	-	-	-		
						1.0	0.0	110	19.4	19.4	8.0	8.0	28.1	28.1	93.5	93.5	7.3	7.3	8.5	7.3	6	6.5	6	6	-	-	822136	807567	-	-	-	-		
						1.0	0.1	112	19.4	19.4	8.0	8.0	28.1	28.1	93.4	93.5	7.3	7.3	8.7	7.3	6	6.5	6	6	-	-	822136	807567	-	-	-	-		
SR3	Cloudy	Moderate	12:28	8.9	Surface	4.4	0.0	98	19.3	19.3	8.0	8.0	28.6	28.6	92.2	92.2	7.2	7.3	7.8	8.5	6	6	-	-	817199	807808	-	-	-	-				
						4.4	0.0	93	19.3	19.3	8.0	8.0	28.6	28.6	92.2	92.2	7.2	7.3	7.9															

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

Water Quality Monitoring Results on 29 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA			
C1	Cloudy	Moderate	16:11	8.4	Surface	1.0	0.2	21	19.6	19.6	8.0	8.0	28.8	28.9	95.0	94.7	7.3	2.8	4	4	46	48	815620	804234	<0.2	<0.2	1.1	1.1					
						1.0	0.2	16	19.6	19.6	8.0	8.0	29.0	29.0	94.4	94.7	7.3	2.9	4	4	47	47	48	48	<0.2	<0.2	1.1	1.1					
						4.2	0.2	35	19.5	19.5	8.0	8.0	30.0	30.0	92.1	92.1	7.1	6.8	4	4	49	48	48	48	<0.2	<0.2	1.1	1.1					
					Middle	4.2	0.3	27	19.5	19.5	8.0	8.0	30.0	30.0	92.0	92.0	7.1	7.1	4	4	4	4	50	50	48	48	<0.2	<0.2	1.1	1.1			
						7.4	0.2	39	19.4	19.4	8.0	8.0	30.0	30.0	92.0	92.2	7.1	9.6	4	4	5	4	50	50	48	48	<0.2	<0.2	1.1	1.1			
						7.4	0.2	31	19.4	19.4	8.0	8.0	30.0	30.0	92.3	92.2	7.1	9.7	4	4	5	4	50	50	48	48	<0.2	<0.2	1.1	1.1			
					C2	Cloudy	Moderate	15:12	11.6	Surface	1.0	0.1	209	20.0	20.0	7.9	7.9	28.8	26.9	91.4	91.4	7.1	4.3	5	5	50	50	825693	806961	<0.2	<0.2	1.1	1.1
											1.0	0.2	215	20.0	20.0	7.9	7.9	26.9	26.9	91.3	91.4	7.1	4.4	5	5	50	50	48	48	<0.2	<0.2	1.1	1.1
											5.8	0.1	218	19.6	19.6	8.0	8.0	28.2	28.3	89.0	89.0	6.9	7.6	7	7	48	48	48	46	<0.2	<0.2	1.1	1.1
Middle	5.8	0.1	215	19.6						19.6	8.0	8.0	28.3	28.3	88.9	89.0	6.9	7.9	7	7	46	46	52	52	48	48	<0.2	<0.2	1.1	1.1			
	10.6	0.1	233	19.5						19.5	8.0	7.9	28.5	28.5	88.5	88.6	6.9	9.9	7	7	5	5	50	50	48	48	<0.2	<0.2	1.3	1.2			
	10.6	0.1	235	19.5						19.5	7.9	7.9	28.5	28.5	88.6	88.6	6.9	8.9	7	7	5	5	50	50	48	48	<0.2	<0.2	1.2	1.2			
C3	Cloudy	Moderate	16:35	10.6						Surface	1.0	0.4	259	20.7	20.7	7.9	7.9	28.6	28.6	90.1	89.5	6.8	5.8	6	6	46	46	822129	817808	<0.2	<0.2	1.1	1.1
											1.0	0.3	253	20.6	20.6	7.9	7.9	28.7	28.7	88.8	88.8	6.7	6.2	6	6	46	46	48	48	<0.2	<0.2	1.0	1.0
											5.3	0.5	250	20.5	20.5	7.9	7.9	29.1	29.1	87.1	87.1	6.6	7.6	7	7	48	48	48	48	<0.2	<0.2	1.0	1.0
					Middle	5.3	0.4	256	20.5	20.5	7.9	7.9	29.1	29.1	87.0	87.0	6.6	8.1	7	7	48	48	50	50	48	48	<0.2	<0.2	1.0	1.0			
						9.6	0.4	261	20.4	20.4	7.9	7.9	29.6	29.6	86.5	86.6	6.6	8.7	8	8	50	50	48	48	48	48	<0.2	<0.2	1.2	1.2			
						9.6	0.5	258	20.4	20.4	7.9	7.9	29.6	29.6	86.6	86.6	6.6	9.1	7	7	50	50	48	48	48	48	<0.2	<0.2	1.1	1.1			
					IM1	Cloudy	Moderate	15:54	6.8	Surface	1.0	0.1	4	19.4	19.4	8.0	8.0	29.3	29.4	91.9	91.9	7.1	5.1	5	5	46	46	818354	806463	<0.2	<0.2	1.0	1.0
											1.0	0.0	357	19.4	19.4	8.0	8.0	29.4	29.4	91.9	91.9	7.1	5.3	5	5	47	47	48	48	<0.2	<0.2	1.0	1.0
											3.4	0.1	26	19.4	19.4	8.0	8.0	29.5	29.5	91.9	91.9	7.1	6.0	4	4	48	48	48	48	<0.2	<0.2	1.2	1.1
Middle	3.4	0.1	28	19.4						19.4	8.0	8.0	29.5	29.5	91.9	91.9	7.1	6.0	4	4	48	48	50	50	48	48	<0.2	<0.2	1.1	1.1			
	5.8	0.1	17	19.4						19.4	8.0	8.0	29.4	29.4	91.8	91.8	7.1	5.9	3	3	50	50	48	48	48	48	<0.2	<0.2	1.1	1.1			
	5.8	0.1	14	19.4						19.4	8.0	8.0	29.3	29.3	91.8	91.8	7.1	6.0	3	3	50	50	48	48	48	48	<0.2	<0.2	1.0	1.0			
IM2	Cloudy	Moderate	15:49	7.2						Surface	1.0	0.1	267	19.4	19.5	8.0	8.0	29.3	29.2	92.4	92.5	7.2	4.9	8	8	46	46	819181	806222	<0.2	<0.2	1.1	1.1
											1.0	0.1	262	19.5	19.5	8.0	8.0	29.2	29.2	92.6	92.6	7.2	4.8	7	7	46	46	48	48	<0.2	<0.2	1.2	1.2
											3.6	0.1	261	19.4	19.4	8.0	8.0	29.5	29.5	90.8	90.8	7.0	7.5	6	6	48	48	48	48	<0.2	<0.2	1.2	1.2
					Middle	3.6	0.1	256	19.4	19.4	8.0	8.0	29.5	29.5	90.8	90.8	7.0	8.0	6	6	48	48	50	50	48	48	<0.2	<0.2	1.3	1.1			
						6.2	0.1	250	19.4	19.4	8.0	8.0	29.6	29.6	90.8	90.8	7.0	10.1	6	6	50	50	48	48	48	48	<0.2	<0.2	1.1	1.1			
						6.2	0.1	243	19.4	19.4	8.0	8.0	29.6	29.6	90.8	90.8	7.0	10.4	6	6	51	51	48	48	48	48	<0.2	<0.2	1.2	1.2			
					IM7	Cloudy	Moderate	15:32	8.0	Surface	1.0	0.2	245	19.7	19.7	8.0	8.0	27.6	27.7	92.1	92.2	7.2	3.0	6	6	47	46	821332	806828	<0.2	<0.2	1.1	1.1
											1.0	0.2	250	19.7	19.7	8.0	8.0	27.7	27.7	92.3	92.3	7.2	3.1	6	6	46	46	48	48	<0.2	<0.2	1.2	1.2
											4.0	0.2	250	19.5	19.5	8.0	8.0	28.6	28.6	92.3	92.3	7.2	4.5	6	6	47	47	48	48	<0.2	<0.2	1.2	1.2
Middle	4.0	0.2	247	19.5						19.5	8.0	8.0	28.6	28.6	92.2	92.3	7.2	4.8	7	7	48	48	50	50	48	48	<0.2	<0.2	1.2	1.2			
	7.0	0.1	239	19.4						19.4	8.0	8.0	29.0	29.0	91.9	92.0	7.1	6.5	8	8	50	50	48	48	48	48	<0.2	<0.2	1.3	1.3			
	7.0	0.2	240	19.4						19.4	8.0	8.0	29.0	29.0	92.0	92.0	7.1	6.5	7	7	50	50	48	48	48	48	<0.2	<0.2	1.2	1.2			

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

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

Water Quality Monitoring Results on 29 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA			
IM10	Cloudy	Moderate	15:13	8.1	Surface	1.0	0.1	255	20.7	20.6	7.9	7.9	27.2	27.6	91.9	91.3	7.0	6.9	3.4	6.9	5	5	47	48	822230	809843	<0.2	<0.2	1.1	1.0							
						1.0	0.1	256	20.5	7.9	7.9	28.1	27.6	90.7	91.3	6.9	6.9	4.5	6.9	4	5	46	48	<0.2			<0.2	1.1	1.0								
						4.1	0.1	248	20.3	8.0	8.0	28.7	28.8	90.0	90.0	6.9	6.9	5.6	6.0	5	5	48	48	<0.2			<0.2	1.1	1.1								
					4.1	0.1	248	20.3	8.0	8.0	28.8	28.9	89.9	89.9	6.9	6.9	6.0	6.4	5	5	48	50	<0.2	<0.2			1.1	1.3									
					7.1	0.1	243	20.3	8.0	8.0	28.9	28.9	89.9	89.9	6.9	6.9	6.4	6.8	5	5	50	50	<0.2	<0.2			1.3	1.3									
					7.1	0.0	239	20.3	8.0	8.0	28.9	28.9	89.9	89.9	6.9	6.9	6.8	6.8	5	5	50	50	<0.2	<0.2			1.3	1.3									
					IM11	Cloudy	Moderate	15:19	7.8	Surface	1.0	0.1	254	20.5	20.5	7.9	7.9	28.1	28.1	89.6	89.6	6.8	6.8	5.4			6.8	6	7	46	48	821492	810554	<0.2	<0.2	1.0	1.0
											1.0	0.1	249	20.5	7.9	7.9	28.1	28.3	89.5	89.1	6.8	6.8	5.8	7.2			6	7	46	48	<0.2			<0.2	1.0	1.0	
											3.9	0.1	242	20.4	7.9	7.9	28.3	28.3	89.1	89.1	6.8	6.8	7.6	7.6			6	7	48	51	<0.2			<0.2	1.0	1.0	
3.9	0.2	240	20.4	7.9						7.9	28.3	28.5	89.1	89.0	6.8	6.8	8.2	8.2	7	7	48	50	<0.2	<0.2	1.0	1.5											
6.8	0.1	257	20.3	7.9						7.9	28.5	28.5	89.0	89.0	6.8	6.8	8.2	8.2	7	7	51	50	<0.2	<0.2	1.5	1.6											
6.8	0.1	255	20.3	7.9						7.9	28.5	28.5	89.0	89.0	6.8	6.8	8.2	8.2	7	7	50	50	<0.2	<0.2	1.5	1.6											
IM12	Cloudy	Moderate	15:27	8.3						Surface	1.0	0.2	300	20.7	20.7	7.9	7.9	27.6	27.7	91.6	91.4	7.0	7.0	3.1	7.0	7	6	46	47	821175	811501			<0.2	<0.2	1.4	1.2
											1.0	0.3	293	20.6	7.9	7.9	27.6	28.1	91.1	90.3	7.0	7.0	3.5	4.9	6	6	47	49	<0.2					<0.2	1.4	1.4	
											4.2	0.2	290	20.5	7.9	7.9	28.1	28.2	90.3	90.3	6.9	6.9	4.6	8.0	6	4	49	51	<0.2					<0.2	1.3	1.4	
					4.2	0.2	289	20.5	7.9	7.9	28.2	28.5	89.9	89.9	6.9	6.9	8.0	8.5	4	5	49	50	<0.2	<0.2	1.3	1.4											
					7.3	0.2	304	20.4	7.9	7.9	28.5	28.5	89.9	89.9	6.9	6.9	8.0	8.5	4	5	51	50	<0.2	<0.2	1.4	1.4											
					7.3	0.2	302	20.4	7.9	7.9	28.5	28.5	89.8	89.8	6.9	6.9	8.5	8.5	5	5	50	50	<0.2	<0.2	1.4	1.4											
					SR1A	Cloudy	Moderate	16:02	5.4	Surface	1.0	0.0	182	20.6	20.6	7.9	7.9	27.6	27.6	89.5	89.5	6.8	6.8	5.1	6.8	7	-	-	-			819982	812662	-	-	-	-
											1.0	0.1	187	20.6	7.9	7.9	27.7	27.6	89.4	89.5	6.8	6.8	5.2	5.7	7	6	-	-	-					-	-	-	
											2.7	-	181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
2.7	0.1	175	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-			
4.4	0.1	196	20.5	7.9						7.9	28.3	28.1	88.5	89.0	6.8	6.8	7.0	5.7	5	6	-	-	-	-	-	-	-	-	-	-	-						
4.4	0.1	201	20.5	7.9						7.9	27.9	28.1	89.4	89.0	6.8	6.8	5.7	5.7	6	6	-	-	-	-	-	-	-	-	-	-	-						
SR2	Cloudy	Moderate	16:13	4.3						Surface	1.0	0.1	264	20.6	20.6	7.9	7.9	27.6	27.6	91.7	91.6	7.0	7.0	3.9	7.0	6	6	48	48	821467	814180			<0.2	<0.2	1.1	1.2
											1.0	0.1	256	20.6	7.9	7.9	27.6	27.6	91.5	91.6	7.0	7.0	4.0	4.1	6	5	48	50	<0.2					<0.2	1.2	1.2	
											-	0.1	259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					-	0.1	260	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
					3.3	0.1	256	20.6	7.9	7.9	27.7	27.7	91.4	91.5	7.0	7.0	4.2	4.1	4	5	4	5	50	50	<0.2	<0.2	1.2	1.2									
					3.3	0.1	250	20.6	7.9	7.9	27.7	27.7	91.5	91.5	7.0	7.0	4.1	4.1	5	5	50	50	<0.2	<0.2	1.2	1.2											
					SR3	Cloudy	Moderate	15:26	8.9	Surface	1.0	0.2	184	19.7	19.7	8.0	8.0	27.8	27.9	91.1	91.1	7.1	7.1	5.0	7.1	6	6	-	-			822153	807562	-	-	-	-
											1.0	0.1	182	19.6	8.0	8.0	28.0	28.6	91.1	91.0	7.1	7.1	5.2	6.8	6	6	-	-	-					-			
											4.5	0.1	190	19.5	8.0	8.0	28.6	28.7	91.0	91.0	7.1	7.1	6.8	7.0	6	6	-	-	-					-			
4.5	0.2	195	19.4	8.0						8.0	28.7	28.8	91.0	91.6	7.1	7.1	7.0	8.2	6	6	-	-	-	-													
7.9	0.1	197	19.4	8.0						8.0	28.8	28.8	91.4	91.6	7.1	7.1	8.2	8.7	6	6	-	-	-	-													
7.9	0.1	200	19.4	8.0						8.0	28.7	28.8	91.8	91.6	7.1	7.1	8.7	8.7	6	6	-	-	-	-													
SR4A	Cloudy	Moderate	16:31	8.8						Surface	1.0	0.0	237	19.4	19.4	8.0	8.0	28.6	28.6	91.5	91.5	7.1	7.1	8.3	7.1	6	5	-	-	817171	807821			-	-	-	-
											1.0	0.1	230	19.4	8.0	8.0	28.6	29.0	91.4	90.5	7.1	7.0	8.5	9.0	5	4	-	-	-					-			
											4.4	0.0	235	19.4	8.0	8.0	29.0	29.0	90.5	90.5	7.0	7.0	9.0	9.3	4	5	-	-	-					-			
					4.4	0.0	236	19.3	8.0	8.0	29.0	29.0	90.5	90.5	7.0	7.0	9.3	10.1	5	5	-	-	-	-													
					7.8	0.0	243	19.3	8.0	8.0	29.0	29.0	90.5	90.5	7.0	7.0	10.0	10.1	5	5	-	-	-	-													
					7.8	0.1	239	19.4	8.0	8.0	29.0	29.0	90.5	90.5	7.0	7.0	10.1	10.1	5	5	-	-	-	-													
					SR8	Cloudy	Moderate	15:33	4.6	Surface	1.0	-	-	21.0	21.0	7.9	7.9	27.6	27.6	90.6	90.6	6.9	6.9	7.3	6.9	4	4	-	-			820400	811646	-	-	-	-
											1.0	-	-	21.0	21.0	7.9	7.9	27.6	27.6	90.6	90.6	6.9	6.9	7.3	6.9	4	4	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
-	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
3.6	-	-	20.5	20.5						7.9	7.9	28.0	28.0	89.4	89.4	6.8	6.8	10.2	10.1	4	5	-	-	-	-												
3.6	-	-	20.5	20.5						7.9	7.9	28.1	28.0	89.4	89.4	6.8	6.8	10.1	10.1	5	5	-	-	-	-												

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

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

Water Quality Monitoring Results on 31 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	12:04	8.2	Surface	1.0	0.1	200	21.0	21.0	8.0	8.0	27.7	27.7	94.6	94.6	7.2	7.2	2.2	2.2	6	6	52	52	815608	804247	<0.2	<0.2	1.2	1.2
						1.0	0.2	204	21.0	8.0	8.0	27.8	27.8	94.5	94.5	7.2	7.2	2.3	7	52	52									
						4.1	0.1	187	20.9	8.1	8.1	28.6	28.6	93.5	93.5	7.1	7.1	3.9	6	86	86									
					Middle	4.1	0.1	181	20.9	8.1	8.1	28.7	28.7	93.5	93.5	7.1	7.1	3.9	7	86	86									
						7.2	0.2	217	21.0	8.1	8.1	29.1	29.1	94.0	94.0	7.1	7.1	4.1	6	88	88									
						7.2	0.2	223	21.0	8.1	8.1	29.0	29.0	94.1	94.1	7.1	7.1	4.2	6	88	88									
					Bottom	7.2	0.2	217	21.0	8.1	8.1	29.1	29.1	94.0	94.0	7.1	7.1	4.1	6	88	88									
						7.2	0.2	223	21.0	8.1	8.1	29.0	29.0	94.1	94.1	7.1	7.1	4.2	6	88	88									
						7.2	0.2	223	21.0	8.1	8.1	29.0	29.0	94.1	94.1	7.1	7.1	4.2	6	88	88									
C2	Fine	Moderate	11:15	9.8	Surface	1.0	0.1	171	21.2	21.2	8.0	8.0	26.9	26.9	89.9	89.9	6.8	6.8	6.1	6.1	9	9	48	48	825692	806927	<0.2	<0.2	1.2	1.2
						1.0	0.1	164	21.2	8.0	8.0	27.0	27.0	89.9	89.9	6.8	6.8	6.2	8	49	49									
						4.9	0.1	162	21.1	8.0	8.0	27.7	27.7	90.5	90.5	6.9	6.9	7.5	8	49	49									
					Middle	4.9	0.1	160	21.1	8.0	8.0	27.7	27.7	90.5	90.5	6.9	6.9	7.5	8	49	49									
						8.8	0.1	168	21.1	8.0	8.0	27.7	27.7	90.8	90.8	6.9	6.9	8.1	9	51	51									
						8.8	0.1	173	21.1	8.0	8.0	27.7	27.7	90.9	90.9	6.9	6.9	8.0	10	51	51									
					Bottom	8.8	0.1	168	21.1	8.0	8.0	27.7	27.7	90.8	90.8	6.9	6.9	8.1	9	51	51									
						8.8	0.1	173	21.1	8.0	8.0	27.7	27.7	90.9	90.9	6.9	6.9	8.0	10	51	51									
						8.8	0.1	173	21.1	8.0	8.0	27.7	27.7	90.9	90.9	6.9	6.9	8.0	10	51	51									
C3	Cloudy	Moderate	12:27	11.7	Surface	1.0	0.3	75	20.5	20.5	8.0	8.0	28.7	28.7	90.4	90.3	6.9	6.9	2.7	2.7	4	4	47	47	822094	817780	<0.2	<0.2	1.4	1.4
						1.0	0.4	72	20.4	20.4	8.0	8.0	28.8	28.8	90.2	90.2	6.9	6.9	2.8	4	47	47								
						5.9	0.4	84	19.8	19.8	8.0	8.0	29.6	29.6	85.1	85.0	6.5	6.5	3.8	4	49	49								
					Middle	5.9	0.4	77	19.8	19.8	8.0	8.0	29.6	29.6	84.9	84.9	6.5	6.5	4.2	4	50	50								
						10.7	0.3	65	19.8	19.8	8.0	8.0	29.7	29.7	84.5	84.5	6.5	6.5	7.6	4	51	51								
						10.7	0.3	67	19.8	19.8	8.0	8.0	29.7	29.7	84.5	84.5	6.5	6.5	8.2	5	52	52								
					Bottom	10.7	0.3	65	19.8	19.8	8.0	8.0	29.7	29.7	84.5	84.5	6.5	6.5	7.6	4	51	51								
						10.7	0.3	67	19.8	19.8	8.0	8.0	29.7	29.7	84.5	84.5	6.5	6.5	8.2	5	52	52								
						10.7	0.3	67	19.8	19.8	8.0	8.0	29.7	29.7	84.5	84.5	6.5	6.5	8.2	5	52	52								
IM1	Fine	Moderate	11:54	6.6	Surface	1.0	0.1	170	21.0	21.0	8.0	8.0	28.2	28.3	96.4	96.4	7.3	7.3	4.1	4.1	6	6	48	48	818337	806470	<0.2	<0.2	1.2	1.2
						1.0	0.1	169	21.0	21.0	8.0	8.0	28.3	28.3	96.3	96.3	7.3	7.3	4.1	6	48	48								
						3.3	0.1	174	20.8	20.8	8.0	8.0	28.6	28.6	92.7	92.8	7.0	7.0	6.5	8	86	86								
					Middle	3.3	0.0	172	20.8	20.8	8.0	8.0	28.6	28.6	92.8	92.8	7.0	7.0	6.4	7	86	86								
						5.6	0.1	165	20.8	20.8	8.0	8.0	28.6	28.6	93.9	93.9	7.1	7.1	7.0	8	90	90								
						5.6	0.1	170	20.8	20.8	8.0	8.0	28.5	28.6	94.0	94.0	7.1	7.1	7.1	8	90	90								
					Bottom	5.6	0.1	165	20.8	20.8	8.0	8.0	28.6	28.6	93.9	93.9	7.1	7.1	7.0	8	90	90								
						5.6	0.1	170	20.8	20.8	8.0	8.0	28.5	28.6	94.0	94.0	7.1	7.1	7.1	8	90	90								
						5.6	0.1	170	20.8	20.8	8.0	8.0	28.5	28.6	94.0	94.0	7.1	7.1	7.1	8	90	90								
IM2	Fine	Moderate	11:49	7.0	Surface	1.0	0.0	135	21.0	21.0	8.0	8.0	28.3	28.3	92.9	92.8	7.0	7.0	5.1	5.1	6	6	49	49	819173	806244	<0.2	<0.2	1.4	1.4
						1.0	0.0	128	21.0	21.0	8.0	8.0	28.3	28.3	92.7	92.7	7.0	7.0	5.1	5	49	49								
						3.5	-	138	20.9	20.9	8.0	8.0	28.5	28.5	92.2	92.2	7.0	7.0	7.0	6	79	79								
					Middle	3.5	0.0	133	20.9	20.9	8.0	8.0	28.5	28.5	92.2	92.2	7.0	7.0	7.0	7	79	79								
						6.0	0.1	141	20.8	20.8	8.0	8.0	28.9	28.9	92.9	92.9	7.0	7.0	8.1	7	85	85								
						6.0	0.0	146	20.8	20.8	8.0	8.0	28.9	28.9	93.0	93.0	7.0	7.0	8.1	7	85	85								
					Bottom	6.0	0.1	141	20.8	20.8	8.0	8.0	28.9	28.9	92.9	92.9	7.0	7.0	8.1	7	85	85								
						6.0	0.0	146	20.8	20.8	8.0	8.0	28.9	28.9	93.0	93.0	7.0	7.0	8.1	7	85	85								
						6.0	0.0	146	20.8	20.8	8.0	8.0	28.9	28.9	93.0	93.0	7.0	7.0	8.1	7	85	85								
IM7	Fine	Moderate	11:32	7.2	Surface	1.0	0.2	61	21.3	21.3	7.9	7.9	25.7	25.7	91.4	91.4	7.0	7.0	4.0	4.0	6	6	52	52	821335	806852	<0.2	<0.2	1.4	1.4
						1.0	0.2	63	21.2	21.2	7.9	7.9	25.7	25.7	91.4	91.4	7.0	7.0	4.1	6	52	52								
						3.6	0.3	82	21.0	21.0	7.9	7.9	28.0	28.0	92.3	92.3	7.0	7.0	5.1	6	87	87								
					Middle	3.6	0.3	87	21.0	21.0	7.9	7.9	28.0	28.0	92.3	92.3	7.0	7.0	5.2	6	87	87								
						6.2	0.2	55	21.0	21.0	7.9	7.9	28.0	28.0	92.8	92.8	7.0	7.0	6.8	6	90	90								
						6.2	0.2	61	21.0	21.0	7.9	7.9	28.0	28.0	93.0	93.0	7.0	7.0	6.8	6	90	90								
					Bottom	6.2	0.2	55	21.0	21.0	7.9	7.9	28.0	28.0	92.8	92.8	7.0	7.0	6.8	6	90	90								
						6.2	0.2	61	21.0	21.0	7.9	7.9	28.0	28.0	93.0	93.0	7.0	7.0	6.8	6	90	90								
						6.2	0.2	61	21.0	21.0	7.9	7.9	28.0	28.0	93.0	93.0	7.0	7.0	6.8	6	90	90								

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

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

Water Quality Monitoring Results on 31 March 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA							
IM10	Cloudy	Moderate	11:14	7.9	Surface	1.0	0.2	65	20.6	20.6	7.9	7.9	24.6	24.6	86.7	86.8	6.7	6.7	4.0	6.1	7	7	47	48	822251	809825	<0.2	1.4	<0.2	1.5							
						1.0	0.2	63	20.6	7.9	7.9	24.6	24.6	86.9	86.8	6.8	6.8	4.1	6.1	7	7	47	47	<0.2			1.5										
						4.0	0.2	77	20.2	8.0	8.0	27.5	27.5	87.3	87.3	6.7	6.7	6.6	6.6	6	7	44	49	<0.2			1.6										
					Middle	4.0	0.2	74	20.2	8.0	8.0	27.5	27.5	87.3	87.3	6.7	6.7	6.8	6.8	7	7	49	51	51			52	<0.2	1.4	<0.2	1.4						
						6.9	0.2	73	20.1	8.0	8.0	27.8	27.8	87.6	87.8	6.8	6.8	7.7	7.7	7	7	51	52	52			52	<0.2	1.5	<0.2	1.5						
						6.9	0.2	71	20.1	8.0	8.0	27.8	27.8	87.9	87.8	6.8	6.8	7.6	7.6	6	6	52	52	52			52	<0.2	1.5	<0.2	1.5						
					IM11	Cloudy	Moderate	11:21	8.2	Surface	1.0	0.2	69	20.5	20.5	7.9	7.9	26.7	26.7	87.7	87.7	6.8	6.8	6.1			6.8	7	7	46	49	821497	810524	<0.2	1.4	<0.2	1.4
											1.0	0.2	64	20.5	7.9	7.9	26.7	26.7	87.7	87.7	6.8	6.8	6.1	6.1			8	8	46	49	<0.2			1.4			
											4.1	0.2	99	20.2	7.9	7.9	27.7	27.7	87.2	87.2	6.7	6.7	6.2	6.5			7	7	49	49	<0.2			1.5			
Middle	4.1	0.3	94	20.1						7.9	7.9	27.7	27.7	87.1	87.1	6.7	6.7	6.5	6.5	7	7	49	51	51	51	<0.2	1.4	<0.2	1.4								
	7.2	0.2	73	20.1						7.9	7.9	27.7	27.7	87.5	87.6	6.8	6.8	7.8	7.8	7	7	51	51	51	51	<0.2	1.4	<0.2	1.4								
	7.2	0.2	70	20.1						7.9	7.9	27.7	27.7	87.7	87.6	6.8	6.8	7.8	7.8	6	6	51	51	51	51	<0.2	1.4	<0.2	1.4								
IM12	Cloudy	Moderate	11:28	8.6						Surface	1.0	0.2	105	20.1	20.1	8.0	7.9	27.8	27.8	86.9	86.8	6.7	6.7	7.7	8.7	8	8	46	49	821159	811507			<0.2	1.4	<0.2	1.2
											1.0	0.2	99	20.1	8.0	7.9	27.8	27.8	86.9	86.8	6.7	6.7	8.1	8.1	9	9	47	49	<0.2					1.2			
											4.3	0.3	112	20.1	7.9	7.9	27.9	27.9	86.6	86.6	6.7	6.7	9.0	9.0	7	8	50	48	<0.2					1.4			
					Middle	4.3	0.3	110	20.1	7.9	7.9	27.9	27.9	86.6	86.6	6.7	6.7	8.9	8.9	7	7	48	51	51	51	<0.2	1.4	<0.2	1.4								
						7.6	0.2	112	20.1	7.9	7.9	27.9	27.9	86.9	87.0	6.7	6.7	9.4	9.4	7	7	51	50	51	50	<0.2	1.4	<0.2	1.4								
						7.6	0.2	117	20.1	7.9	7.9	27.9	27.9	87.0	87.0	6.7	6.7	9.4	9.4	7	7	50	50	50	50	<0.2	1.3	<0.2	1.3								
					SR1A	Cloudy	Moderate	12:08	5.2	Surface	1.0	0.0	55	20.3	20.3	8.0	8.0	27.7	27.7	88.9	88.9	6.8	6.8	4.7	6.8	3	4	-	-			819972	812659	-	-	-	-
											1.0	0.1	48	20.3	8.0	8.0	27.7	27.7	88.8	88.8	6.8	6.8	4.7	4.7	4	4	-	-	-					-	-	-	
											2.6	0.0	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	2.6	0.0	59	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-			
	4.2	0.1	83	20.2						7.9	7.9	27.8	27.8	88.9	89.0	6.8	6.8	5.0	5.0	4	4	-	-	-	-	-	-	-	-	-	-						
	4.2	0.0	90	20.2						7.9	7.9	27.8	27.8	89.0	89.0	6.8	6.8	5.0	5.0	4	4	-	-	-	-	-	-	-	-	-	-						
SR2	Cloudy	Moderate	12:08	4.3						Surface	1.0	0.2	62	20.3	20.3	8.0	8.0	27.7	27.7	88.9	88.9	6.8	6.8	4.7	6.8	5	4	49	50	821458	814168			<0.2	1.4	<0.2	1.5
											1.0	0.2	66	20.3	8.0	8.0	27.7	27.7	88.8	88.8	6.8	6.8	4.7	4.7	4	4	49	49	<0.2					1.5			
											-	0.3	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	-	0.3	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
						3.3	0.3	68	20.2	7.9	7.9	27.8	27.8	88.9	89.0	6.8	6.8	5.0	5.0	4	4	51	51	51	51	<0.2	1.5	<0.2	1.5								
						3.3	0.2	66	20.2	7.9	7.9	27.8	27.8	89.0	89.0	6.8	6.8	5.0	5.0	4	4	52	52	52	52	<0.2	1.5	<0.2	1.5								
					SR3	Fine	Moderate	11:26	8.4	Surface	1.0	0.2	90	21.1	21.1	7.9	7.9	26.6	26.7	87.4	87.5	6.7	6.7	4.3	6.7	6	7	-	-			822166	807570	-	-	-	-
											1.0	0.2	91	21.1	7.9	7.9	26.8	26.8	87.6	87.6	6.7	6.7	4.3	4.3	6	6	-	-	-					-			
											4.2	0.1	110	21.0	7.9	7.9	27.3	27.3	88.4	88.5	6.7	6.7	5.1	5.1	7	7	-	-	-					-			
Middle	4.2	0.1	110	21.0						7.9	7.9	27.3	27.3	88.5	88.5	6.7	6.7	5.1	5.1	7	7	-	-	-	-												
	7.4	0.1	122	21.0						8.0	8.0	27.6	27.6	89.5	89.6	6.8	6.8	6.1	6.1	7	7	-	-	-	-												
	7.4	0.1	114	21.0						8.0	8.0	27.5	27.5	89.6	89.6	6.8	6.8	6.2	6.2	8	8	-	-	-	-												
SR4A	Fine	Moderate	12:20	9.2						Surface	1.0	0.0	78	21.2	21.2	8.0	8.0	27.7	27.7	92.8	92.7	7.0	7.0	4.0	7.0	10	11	-	-	817188	807819			-	-	-	-
											1.0	0.0	79	21.2	8.0	8.0	27.7	27.7	92.6	92.6	7.0	7.0	4.1	4.1	9	9	-	-	-					-			
											4.6	-	58	21.1	8.0	8.0	27.8	27.8	92.2	92.3	7.0	7.0	5.5	5.5	10	11	-	-	-					-			
					Middle	4.6	0.0	63	21.1	8.0	8.0	27.8	27.8	92.3	92.3	7.0	7.0	5.5	5.5	11	11	-	-	-	-												
						8.2	0.0	92	21.1	8.0	8.0	27.8	27.8	93.5	93.6	7.1	7.1	6.6	6.6	12	12	-	-	-	-												
						8.2	0.0	96	21.1	8.0	8.0	27.8	27.8	93.7	93.7	7.1	7.1	6.5	6.5	12	12	-	-	-	-												
					SR8	Cloudy	Moderate	11:32	4.0	Surface	1.0	-	-	20.1	20.1	8.0	8.0	27.8	27.8	87.1	87.1	6.7	6.7	7.0	6.7	8	7	-	-			820401	811624	-	-	-	-
											1.0	-	-	20.1	20.1	8.0	8.0	27.8	27.8	87.1	87.1	6.7	6.7	7.1	7.1	7	7	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
	3.0	-	-	20.1						20.1	7.9	7.9	27.8	27.8	87.5	87.6	6.7	6.7	8.8	8.8	7	7	-	-													
3.0	-	-	20.1	20.1						7.9	7.9	27.8	27.8	87.6	87.6	6.7	6.7	8.7	8.7	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 31 March 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA							
C1	Fine	Moderate	07:45	8.8	Surface	1.0	0.4	48	20.7	20.7	7.9	7.9	28.3	28.3	93.0	93.0	7.1	7.1	5.1	5.1	9	9	46	46	73	815598	804224	<0.2	<0.2	1.4	1.4						
						1.0	0.4	54	20.7	20.7	7.9	7.9	28.4	28.4	93.0	93.0	7.1	7.1	5.2	5.2	8	8	46	46	73	815598	804224	<0.2	<0.2	1.5	1.5						
						4.4	0.4	30	20.7	20.7	8.0	8.0	29.2	29.2	93.3	93.3	7.1	7.1	6.7	6.7	8	8	87	87	73	815598	804224	<0.2	<0.2	1.5	1.5						
						4.4	0.5	31	20.7	20.7	8.0	8.0	29.2	29.2	93.3	93.3	7.1	7.1	6.7	6.7	9	9	87	87	73	815598	804224	<0.2	<0.2	1.5	1.5						
					Bottom	7.8	0.4	52	20.6	20.6	8.0	8.0	29.7	29.7	94.1	94.1	7.1	7.1	7.1	7.1	10	10	87	87	73	815598	804224	<0.2	<0.2	1.4	1.4						
						7.8	0.4	48	20.6	20.6	8.0	8.0	29.7	29.7	94.2	94.2	7.1	7.1	7.0	7.0	10	10	87	87	73	815598	804224	<0.2	<0.2	1.2	1.2						
						C2	Fine	Moderate	08:48	10.0	Surface	1.0	0.5	343	21.2	21.2	7.9	7.9	26.9	26.9	90.6	90.6	6.9	6.9	3.4	3.4	11	11	48	48	48	825659	806934	<0.2	<0.2	1.1	1.1
												1.0	0.5	350	21.2	21.2	7.9	7.9	27.0	27.0	90.8	90.8	6.9	6.9	3.4	3.4	10	10	48	48	48	825659	806934	<0.2	<0.2	1.2	1.2
Middle	5.0	0.5	341	21.1	21.1						7.9	7.9	27.4	27.4	91.5	91.5	6.9	6.9	4.1	4.1	10	10	46	46	48	825659	806934	<0.2	<0.2	1.1	1.1						
	5.0	0.5	346	21.1	21.1						7.9	7.9	27.4	27.4	91.7	91.7	7.0	7.0	4.2	4.2	11	11	47	47	48	825659	806934	<0.2	<0.2	1.0	1.0						
Bottom	9.0	0.5	342	21.0	21.0						7.9	7.9	27.7	27.7	92.5	92.5	7.0	7.0	5.1	5.1	9	9	51	51	49	822098	817794	<0.2	<0.2	1.5	1.5						
	9.0	0.5	336	21.0	21.0						7.9	7.9	27.7	27.7	92.4	92.4	7.0	7.0	5.1	5.1	10	10	50	50	49	822098	817794	<0.2	<0.2	1.0	1.0						
C3	Sunny	Moderate	07:01	11.8	Surface	1.0	0.5	271	19.9	19.9	7.9	7.9	29.2	29.2	85.5	85.5	6.6	6.6	5.9	5.9	7	7	47	47	49	822098	817794	<0.2	<0.2	1.4	1.4						
						1.0	0.5	273	19.9	19.9	7.9	7.9	29.2	29.2	85.5	85.5	6.6	6.6	5.9	5.9	6	6	46	46	49	822098	817794	<0.2	<0.2	1.5	1.5						
					Middle	5.9	0.5	261	19.8	19.8	7.9	7.9	29.4	29.4	84.9	84.9	6.5	6.5	8.2	8.2	6	6	49	49	49	822098	817794	<0.2	<0.2	1.5	1.5						
						5.9	0.6	259	19.8	19.8	7.9	7.9	29.4	29.4	84.9	84.9	6.5	6.5	8.7	8.7	5	5	48	48	49	822098	817794	<0.2	<0.2	1.5	1.5						
					Bottom	10.8	0.5	267	19.8	19.8	7.9	7.9	29.4	29.4	85.0	85.0	6.5	6.5	11.6	11.6	5	5	51	51	49	822098	817794	<0.2	<0.2	1.5	1.5						
						10.8	0.5	271	19.8	19.8	7.9	7.9	29.4	29.4	85.0	85.0	6.5	6.5	11.4	11.4	5	5	51	51	49	822098	817794	<0.2	<0.2	1.3	1.3						
IM1	Fine	Moderate	08:02	6.2	Surface	1.0	0.3	2	20.8	20.8	7.9	7.9	28.1	28.1	93.6	93.6	7.1	7.1	3.6	3.6	9	9	52	52	76	818339	806469	<0.2	<0.2	1.3	1.3						
						1.0	0.4	359	20.8	20.8	7.9	7.9	28.1	28.1	93.7	93.7	7.1	7.1	3.7	3.7	10	10	52	52	76	818339	806469	<0.2	<0.2	1.2	1.2						
					Middle	3.1	0.3	356	20.8	20.8	7.9	7.9	28.3	28.3	94.1	94.1	7.1	7.1	4.0	4.0	9	9	86	86	76	818339	806469	<0.2	<0.2	1.2	1.2						
						3.1	0.3	354	20.9	20.9	7.9	7.9	28.3	28.3	94.2	94.2	7.1	7.1	4.1	4.1	8	8	86	86	76	818339	806469	<0.2	<0.2	1.2	1.2						
					Bottom	5.2	0.3	3	21.0	21.0	7.9	7.9	28.2	28.2	94.8	94.8	7.2	7.2	5.3	5.3	8	8	89	89	76	818339	806469	<0.2	<0.2	1.4	1.4						
						5.2	0.3	0	21.0	21.0	7.9	7.9	28.2	28.2	95.0	95.0	7.2	7.2	5.4	5.4	7	7	89	89	76	818339	806469	<0.2	<0.2	1.3	1.3						
IM2	Fine	Moderate	08:06	7.0	Surface	1.0	0.3	33	20.9	20.9	7.9	7.9	28.1	28.1	93.1	93.1	7.1	7.1	5.0	5.0	6	6	48	48	73	819196	806251	<0.2	<0.2	1.3	1.3						
						1.0	0.3	25	20.9	20.9	7.9	7.9	28.2	28.2	93.1	93.1	7.1	7.1	5.1	5.1	7	7	48	48	73	819196	806251	<0.2	<0.2	1.3	1.3						
					Middle	3.5	0.3	25	20.8	20.8	7.9	7.9	28.3	28.3	93.3	93.3	7.1	7.1	6.1	6.1	7	7	86	86	73	819196	806251	<0.2	<0.2	1.5	1.5						
						3.5	0.3	19	20.8	20.8	7.9	7.9	28.4	28.4	93.4	93.4	7.1	7.1	6.2	6.2	7	7	86	86	73	819196	806251	<0.2	<0.2	1.4	1.4						
					Bottom	6.0	0.4	18	20.9	20.9	7.9	7.9	28.4	28.4	93.7	93.7	7.1	7.1	7.4	7.4	6	6	86	86	73	819196	806251	<0.2	<0.2	1.3	1.3						
						6.0	0.4	22	20.9	20.9	7.9	7.9	28.4	28.4	93.9	93.9	7.1	7.1	7.3	7.3	8	8	86	86	73	819196	806251	<0.2	<0.2	1.4	1.4						
IM7	Fine	Moderate	08:24	8.2	Surface	1.0	0.3	18	20.9	20.9	7.9	7.9	25.8	25.8	90.6	90.6	7.0	7.0	4.3	4.3	4	4	49	49	76	821356	806838	<0.2	<0.2	1.4	1.4						
						1.0	0.3	15	20.9	20.9	7.9	7.9	25.8	25.8	90.7	90.7	7.0	7.0	4.3	4.3	5	5	49	49	76	821356	806838	<0.2	<0.2	1.5	1.5						
					Middle	4.1	0.3	12	20.9	20.9	7.9	7.9	28.1	28.1	90.9	90.9	6.9	6.9	5.4	5.4	6	6	89	89	76	821356	806838	<0.2	<0.2	1.2	1.2						
						4.1	0.3	4	20.9	20.9	7.9	7.9	28.1	28.1	91.0	91.0	6.9	6.9	5.5	5.5	6	6	89	89	76	821356	806838	<0.2	<0.2	1.1	1.1						
					Bottom	7.2	0.3	27	20.9	20.9	7.9	7.9	28.1	28.1	92.0	92.0	7.0	7.0	6.2	6.2	6	6	90	90	76	821356	806838	<0.2	<0.2	1.1	1.1						
						7.2	0.3	22	20.9	20.9	7.9	7.9	28.1	28.1	92.1	92.1	7.0	7.0	6.1	6.1	6	6	90	90	76	821356	806838	<0.2	<0.2	1.1	1.1						

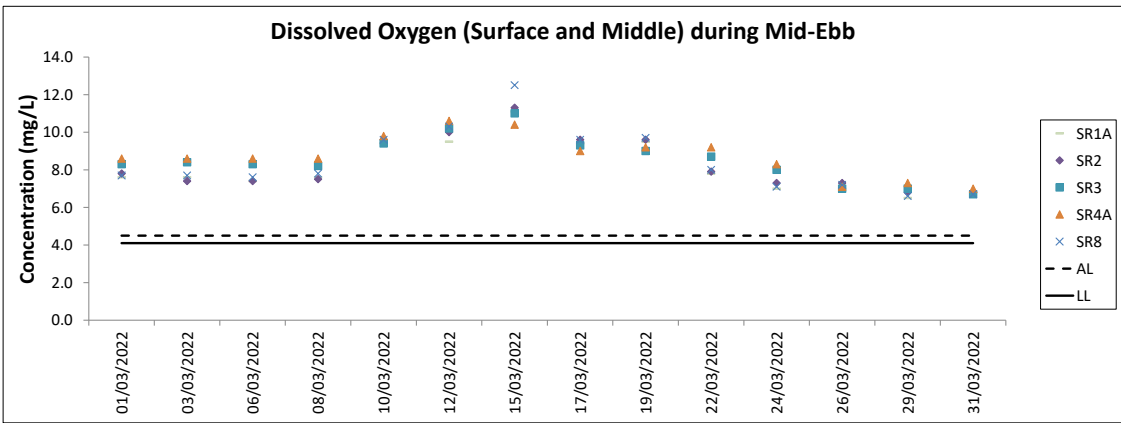
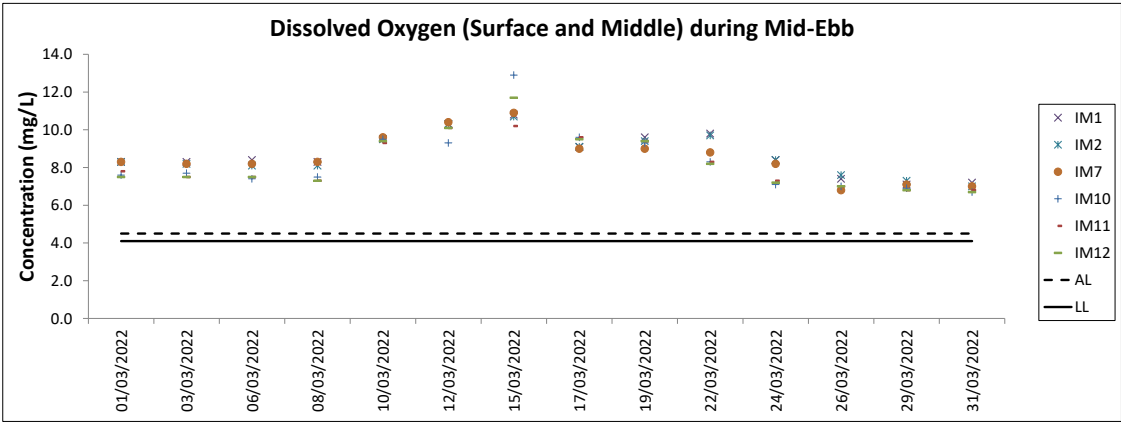
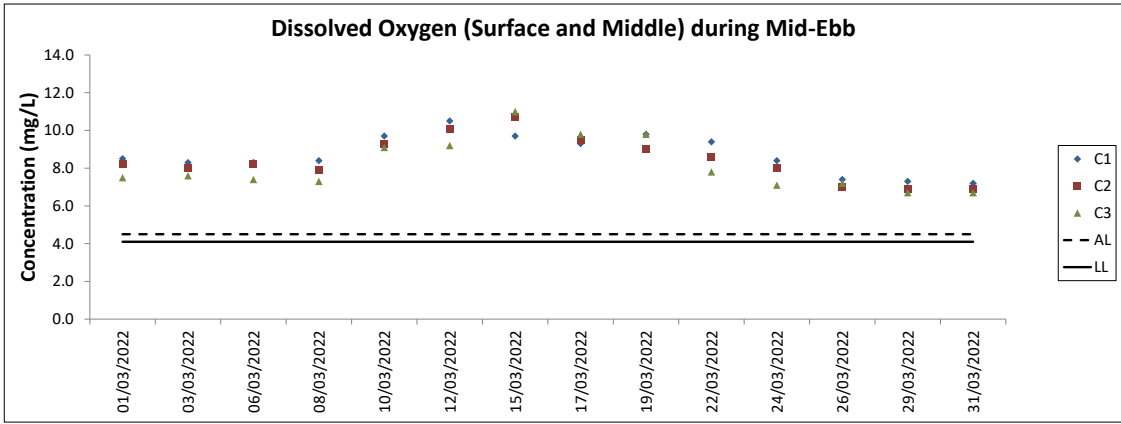
DA: Depth-Averaged
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
 Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined

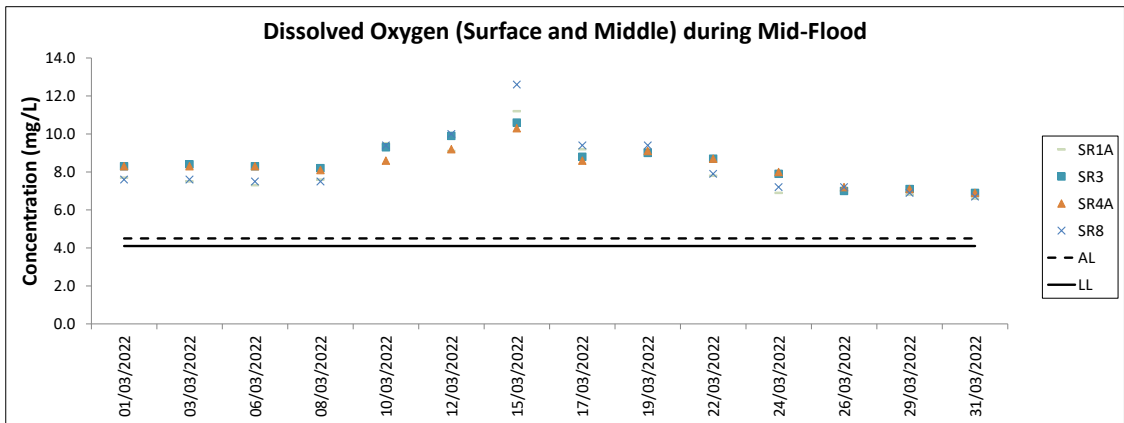
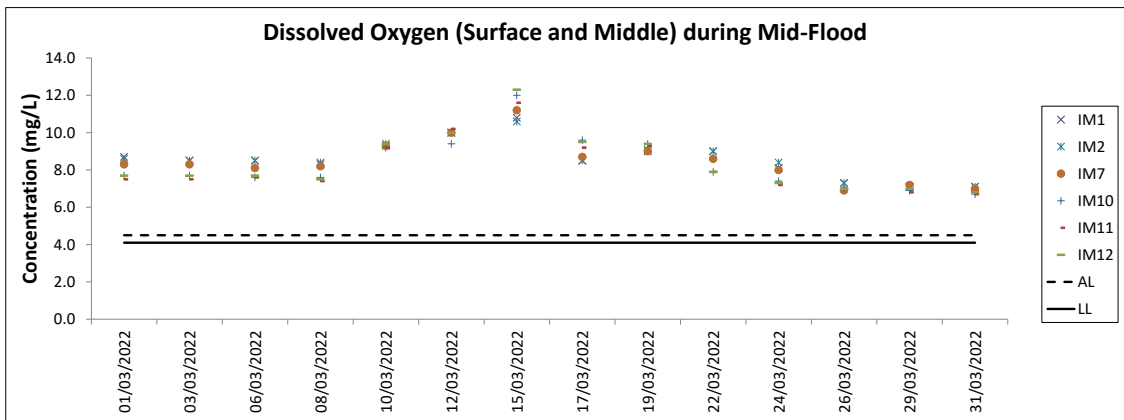
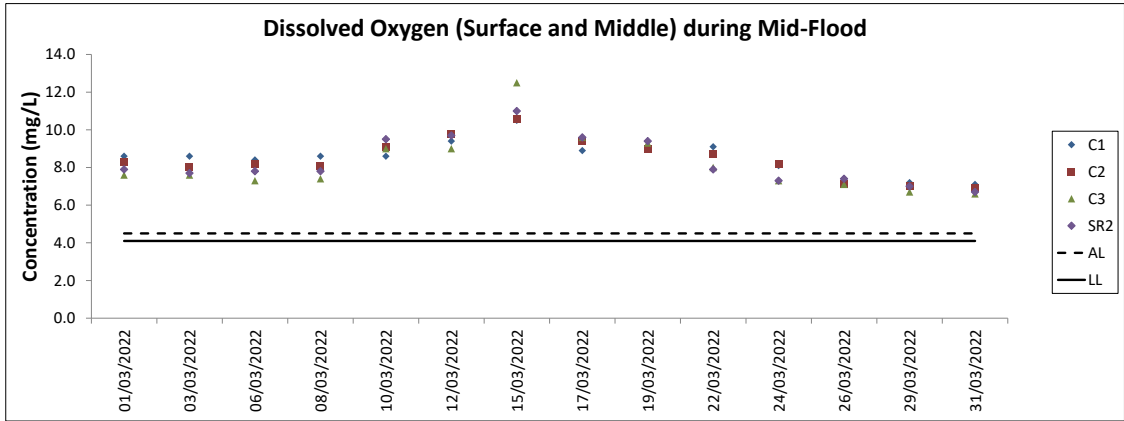
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

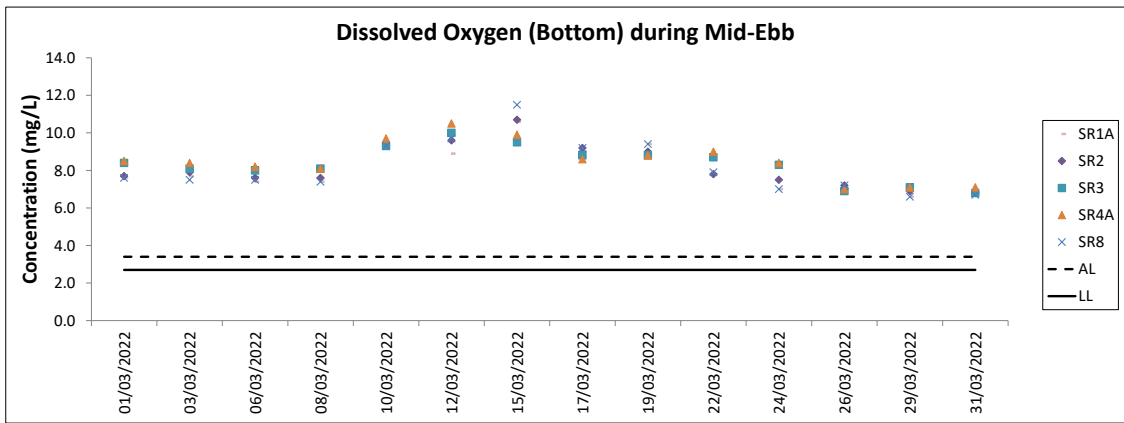
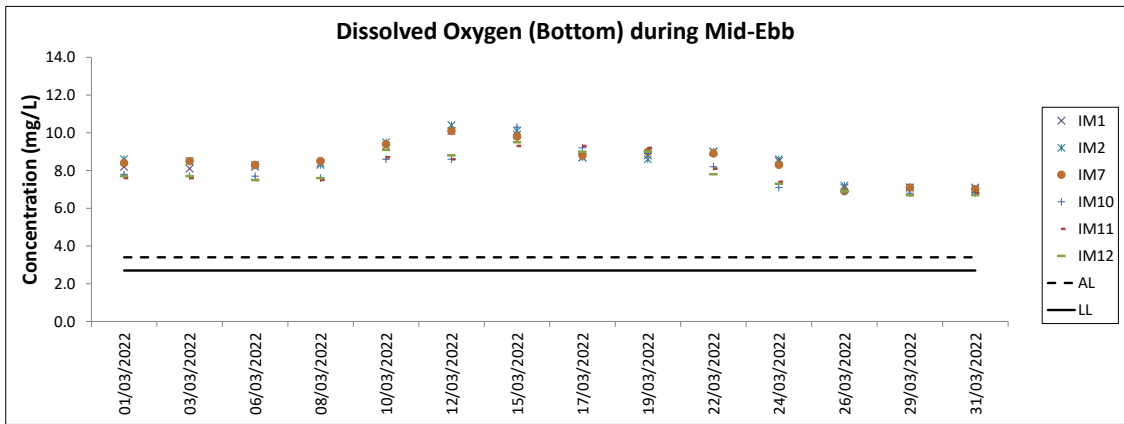
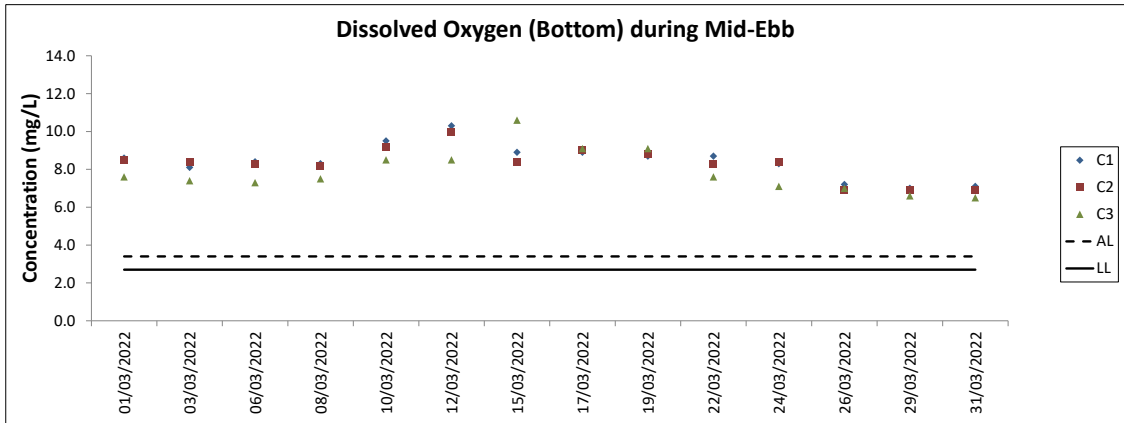
Water Quality Monitoring Results on 31 March 22 during Mid-Flood Tide

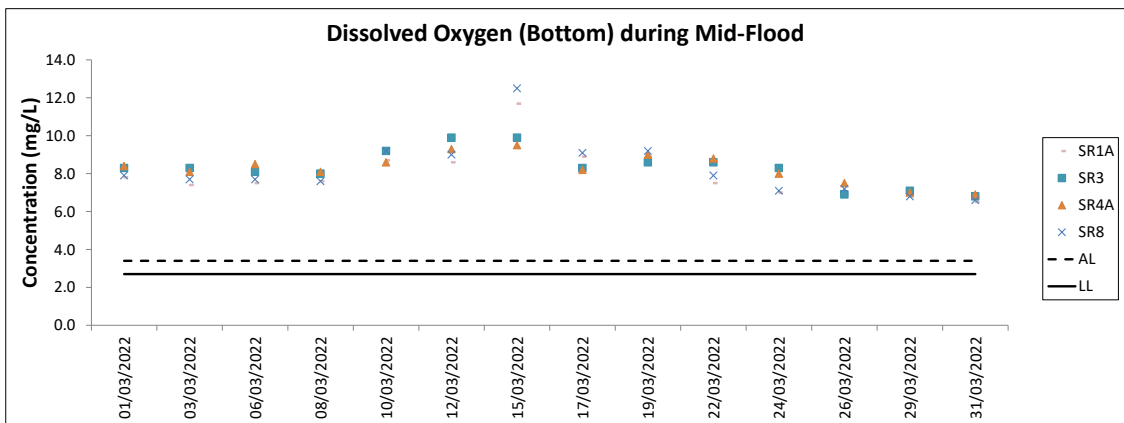
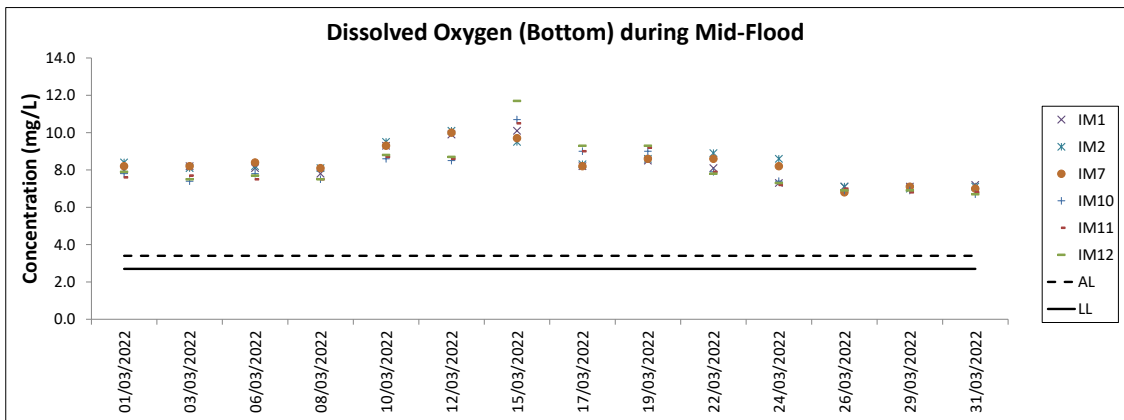
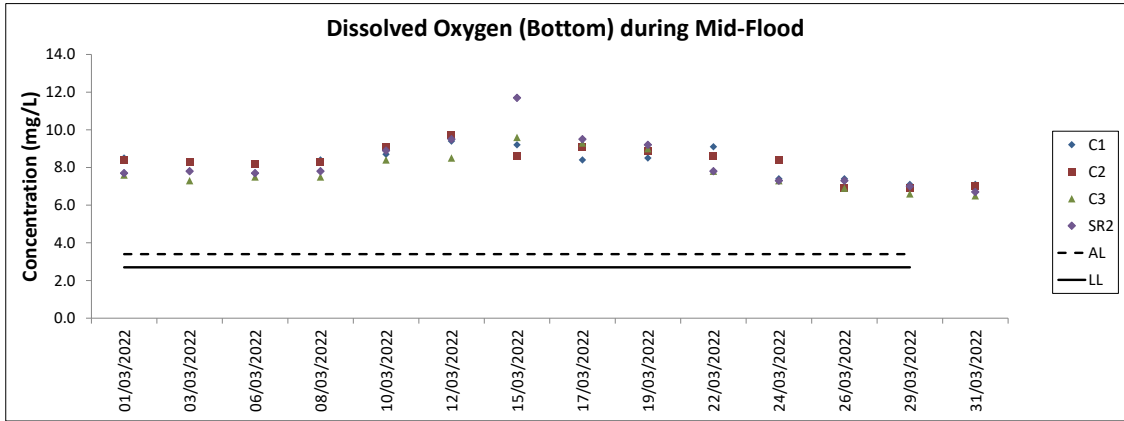
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM10	Sunny	Moderate	08:19	7.8	Surface	1.0	0.4	292	20.9	20.9	7.9	7.9	24.1	24.0	85.9	86.0	6.7	6.7	3.0	3.0	5	6	47	48	49	822260	809826	<0.2	1.6	<0.2	1.5		
						1.0	0.4	295	20.9	7.9	7.9	24.0	24.0	86.0	86.0	6.7	6.7	3.0	3.0	6	6	48	48	<0.2				1.5					
						3.9	0.4	311	20.4	7.9	7.9	25.8	25.8	86.5	86.6	6.7	6.7	5.3	5.3	7	7	50	49	<0.2				1.4					
					3.9	0.4	305	20.4	7.9	7.9	25.9	25.9	86.6	86.6	6.7	6.7	5.5	5.5	6	6	49	49	<0.2	1.3									
					6.8	0.3	300	20.1	7.9	7.9	27.8	27.8	87.0	87.1	6.7	6.7	9.0	9.0	7	7	51	51	<0.2	1.6									
					6.8	0.4	296	20.1	7.9	7.9	27.8	27.8	87.1	87.1	6.7	6.7	9.3	9.3	6	6	51	51	<0.2	1.6									
IM11	Sunny	Moderate	08:11	6.8	Surface	1.0	0.5	279	20.2	20.2	7.9	7.9	27.6	27.6	87.6	87.6	6.8	6.7	6.3	6.6	5	6	46	47	49	821491	810558	<0.2	1.4	<0.2	1.5		
						1.0	0.5	280	20.2	7.9	7.9	27.6	27.6	87.6	87.6	6.7	6.7	6.6	6.6	6	6	47	47	<0.2				1.5					
						3.4	0.4	294	20.1	7.9	7.9	27.7	27.7	87.1	87.1	6.7	6.7	8.3	8.3	6	6	49	49	<0.2				1.4					
					3.4	0.4	293	20.1	7.9	7.9	27.8	27.8	87.1	87.1	6.7	6.7	8.6	8.6	5	5	49	49	<0.2	1.5									
					5.8	0.5	263	20.1	7.9	7.9	27.8	27.8	87.7	87.9	6.8	6.8	10.7	10.7	7	7	51	51	<0.2	1.5									
					5.8	0.5	260	20.1	7.9	7.9	27.8	27.8	88.0	87.9	6.8	6.8	10.6	10.6	6	6	52	52	<0.2	1.6									
IM12	Sunny	Moderate	08:05	8.6	Surface	1.0	0.5	276	20.3	20.3	8.0	8.0	27.4	27.4	87.9	87.9	6.8	6.8	4.8	5.0	6	7	47	47	49	821152	811519	<0.2	1.4	<0.2	1.5		
						1.0	0.4	273	20.3	8.0	8.0	27.4	27.4	87.8	87.9	6.8	6.8	5.0	5.0	7	7	47	47	<0.2				1.5					
						4.3	0.5	270	20.1	7.9	7.9	27.9	27.9	86.8	86.8	6.7	6.7	11.1	11.1	6	7	44	49	<0.2				1.5					
					4.3	0.5	268	20.1	7.9	7.9	27.9	27.9	86.8	86.8	6.7	6.7	10.9	10.9	7	7	49	49	<0.2	1.4									
					7.6	0.4	293	20.1	7.9	7.9	27.9	27.9	87.2	87.4	6.7	6.7	10.6	10.6	7	7	52	52	<0.2	1.4									
					7.6	0.4	294	20.1	7.9	7.9	27.9	27.9	87.5	87.4	6.7	6.7	10.5	10.5	7	7	52	52	<0.2	1.3									
SR1A	Sunny	Moderate	07:37	5.8	Surface	1.0	0.0	219	20.2	20.2	7.9	7.9	27.2	27.2	85.3	85.3	6.6	6.6	4.2	4.4	4	5	-	-	-	819980	812659	-	-	-	-		
						1.0	0.1	220	20.2	7.9	7.9	27.2	27.2	85.2	85.3	6.6	6.6	4.4	4.4	5	5	-	-	-				-					
						2.9	0.0	195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-
					2.9	0.0	199	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-
					4.8	0.0	198	20.1	7.9	7.9	27.7	27.7	84.4	84.4	6.5	6.5	7.9	7.9	5	5	-	-	-	-				-	-	-	-	-	
					4.8	0.0	202	20.1	7.9	7.9	27.7	27.7	84.4	84.4	6.5	6.5	8.1	8.1	5	5	-	-	-	-				-	-	-	-	-	
SR2	Sunny	Moderate	07:21	4.0	Surface	1.0	0.1	235	20.1	20.1	7.9	7.9	27.9	27.9	86.8	86.8	6.7	6.7	9.8	10.2	6	7	46	48	49	821446	814183	<0.2	1.4	<0.2	1.3		
						1.0	0.1	230	20.1	7.9	7.9	27.9	27.9	86.7	86.7	6.7	6.7	10.2	10.2	7	7	48	48	<0.2				1.3					
						-	0.1	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	
					-	0.1	236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	
					3.0	0.1	258	20.0	7.9	7.9	28.2	28.2	86.9	87.0	6.7	6.7	12.4	12.4	4	4	51	51	<0.2	1.5									
					3.0	0.1	263	20.0	7.9	7.9	28.2	28.2	87.1	87.1	6.7	6.7	12.9	12.9	5	5	50	50	<0.2	1.5									
SR3	Fine	Moderate	08:30	8.6	Surface	1.0	0.5	334	21.2	21.2	7.9	7.9	24.8	24.8	89.4	89.5	6.9	6.9	4.1	4.2	3	4	-	-	-	822168	807565	-	-	-	-		
						1.0	0.5	330	21.1	7.9	7.9	24.8	24.8	89.5	89.5	6.9	6.9	4.2	4.2	4	4	-	-	-				-					
						4.3	0.4	3	21.0	7.9	7.9	27.5	27.5	90.2	90.3	6.9	6.9	5.5	5.5	5	5	-	-	-				-					
					4.3	0.4	9	21.0	7.9	7.9	27.6	27.6	90.3	90.3	6.9	6.9	5.6	5.6	4	4	-	-	-	-									
					7.6	0.4	355	21.3	7.9	7.9	27.8	27.8	90.2	90.2	6.8	6.8	6.5	6.5	6	6	-	-	-	-									
					7.6	0.4	350	21.4	7.9	7.9	27.8	27.8	90.2	90.2	6.8	6.8	6.5	6.5	7	7	-	-	-	-									
SR4A	Fine	Moderate	07:23	9.2	Surface	1.0	0.0	231	20.9	20.9	7.9	7.9	27.8	27.8	90.8	90.8	6.9	6.9	4.1	4.1	18	19	-	-	-	817196	807801	-	-	-	-		
						1.0	0.0	237	20.9	7.9	7.9	27.8	27.8	90.8	90.8	6.9	6.9	4.1	4.1	19	19	-	-	-				-					
						4.6	0.0	236	20.9	7.9	7.9	28.0	28.0	90.7	90.7	6.9	6.9	5.1	5.1	17	17	-	-	-				-					
					4.6	0.0	229	20.9	7.9	7.9	28.0	28.0	90.7	90.7	6.9	6.9	5.1	5.1	17	17	-	-	-	-									
					8.2	0.0	227	20.9	7.9	7.9	27.9	27.9	91.1	91.2	6.9	6.9	6.1	6.1	17	17	-	-	-	-									
					8.2	0.1	231	20.9	7.9	7.9	27.9	27.9	91.2	91.2	6.9	6.9	6.2	6.2	16	16	-	-	-	-									
SR8	Sunny	Moderate	08:01	4.8	Surface	1.0	-	-	20.4	20.4	8.0	8.0	27.6	27.6	87.3	87.3	6.7	6.7	8.9	8.9	6	5	-	-	-	820366	811616	-	-	-	-		
						1.0	-	-	20.4	20.4	8.0	8.0	27.6	27.6	87.2	87.3	6.7	6.7	8.9	8.9	5	5	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					3.8	-	-	20.1	20.1	8.0	8.0	27.9	27.9	85.9	85.9	6.6	6.6	13.2	13.2	5	5	-	-										
					3.8	-	-	20.1	20.1	8.0	8.0	27.9	27.9	85.8	85.8	6.6	6.6	13.3	13.3	5	5	-	-										

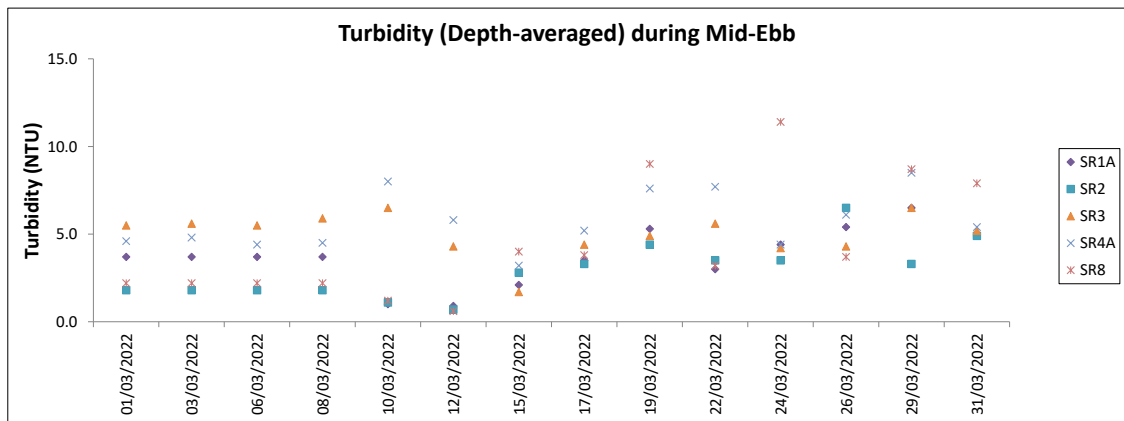
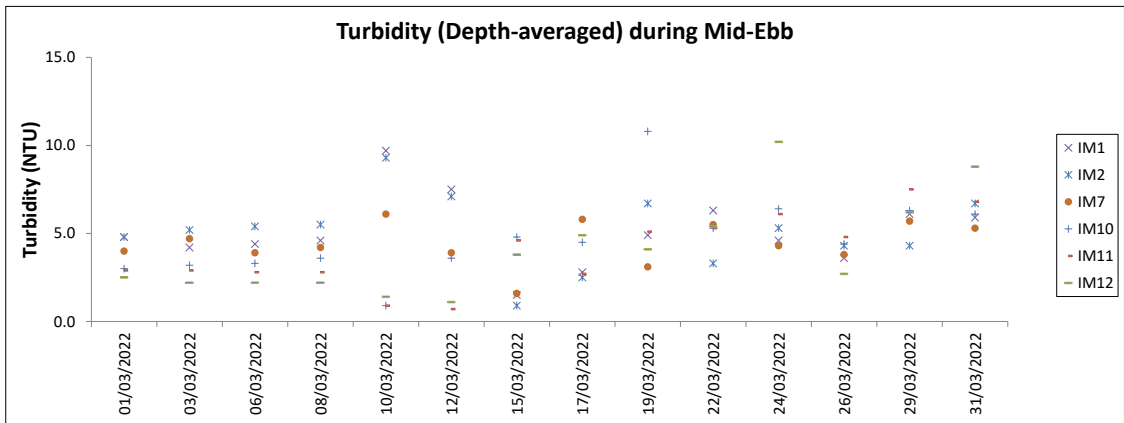
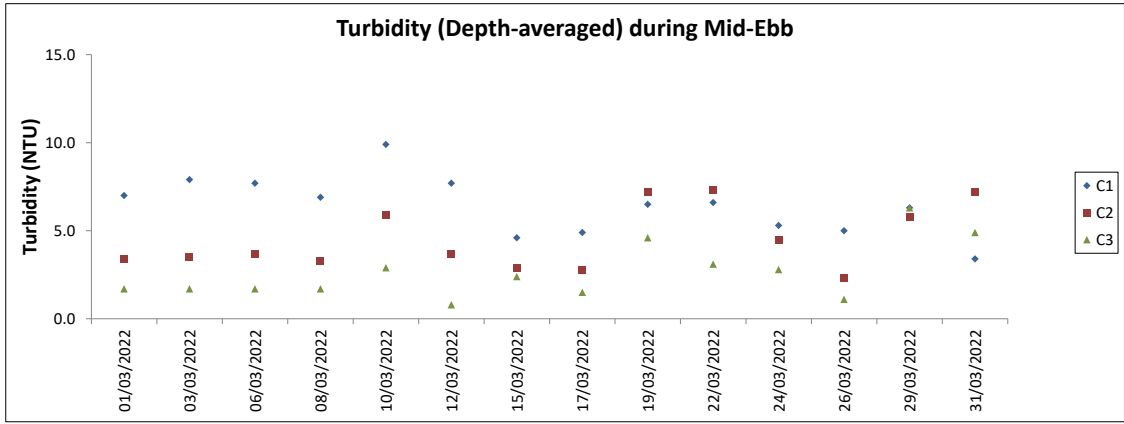
DA: Depth-Averaged
 Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
 Value exceeding Action Level is underlined: **Value exceeding Limit Level is bolded and underlined**



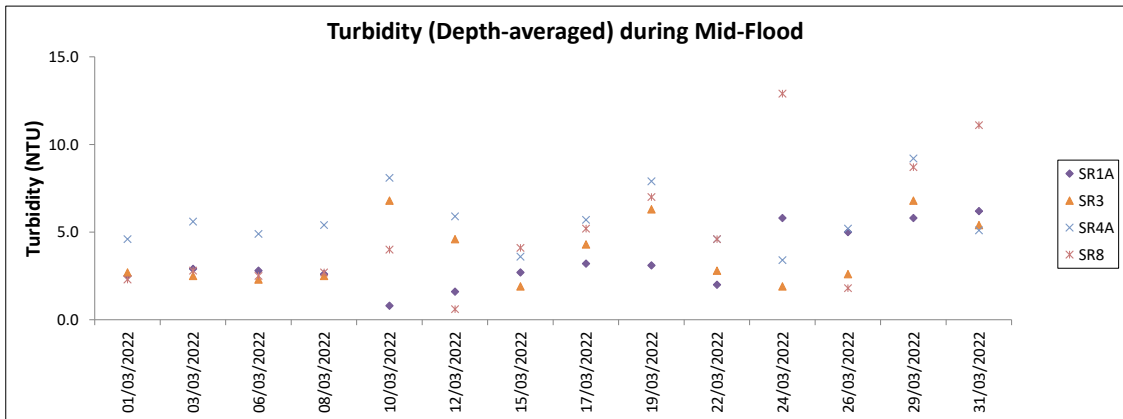
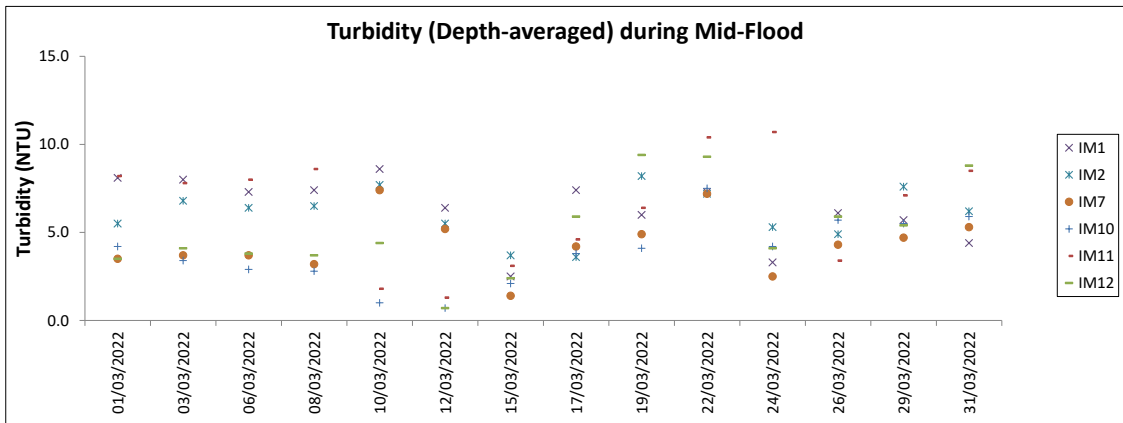
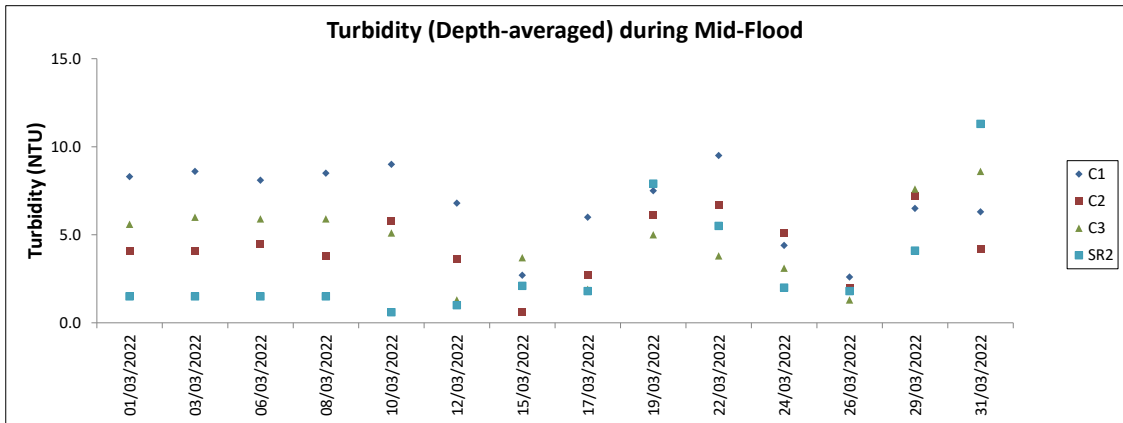




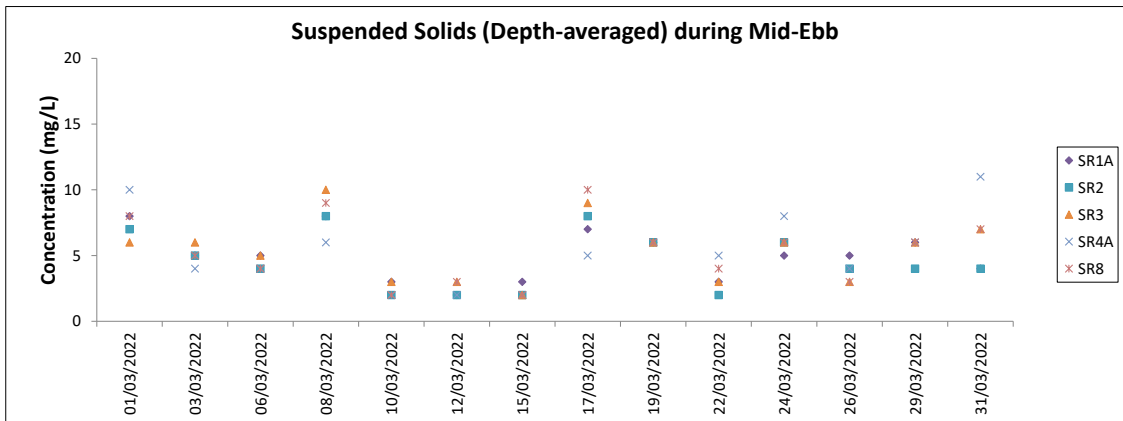
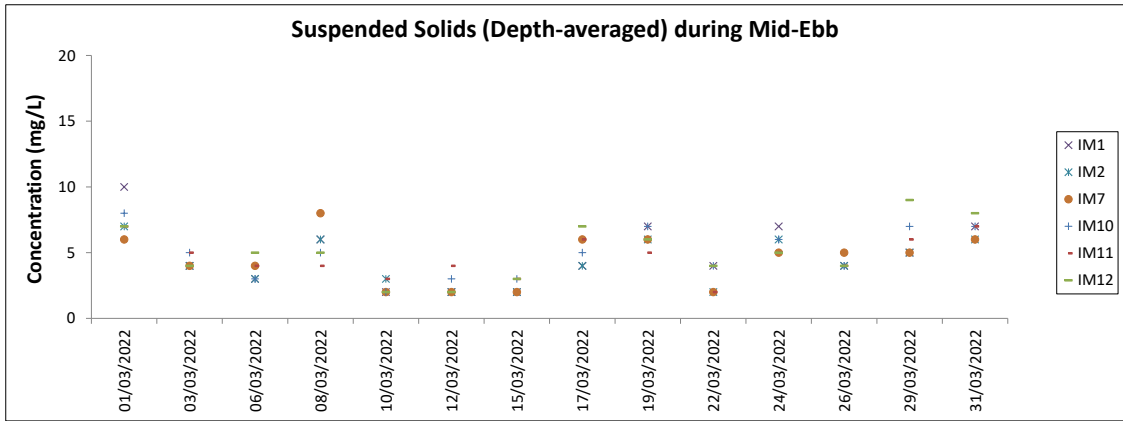
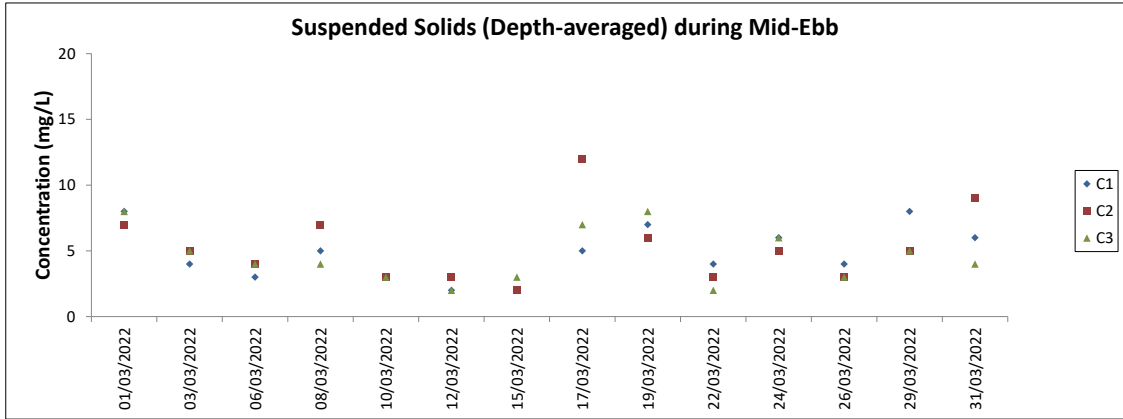




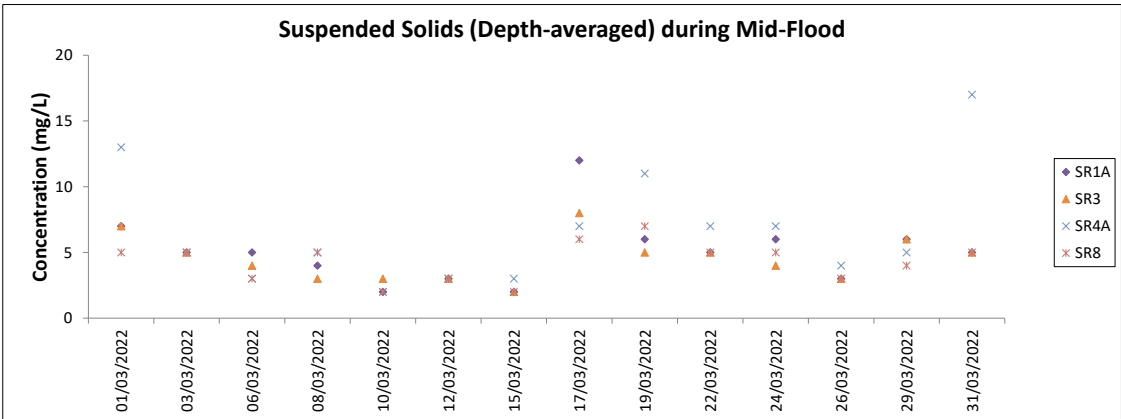
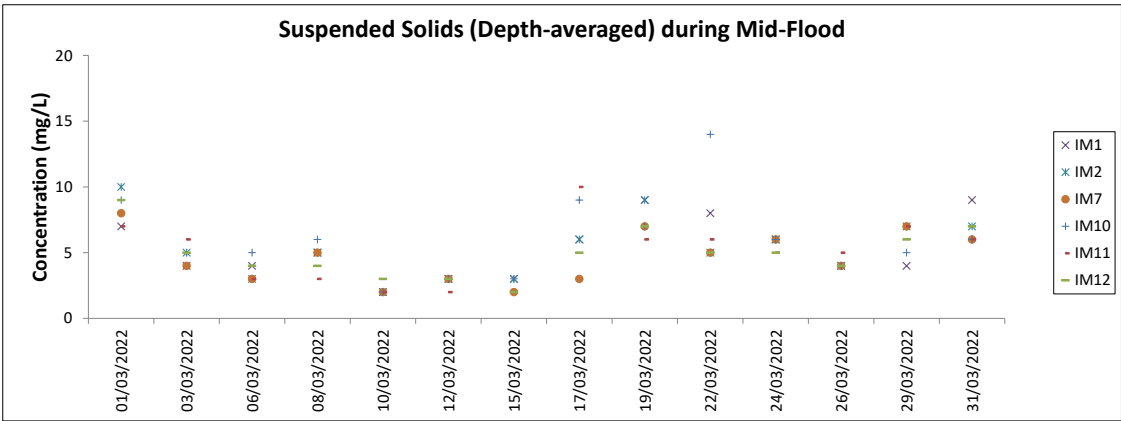
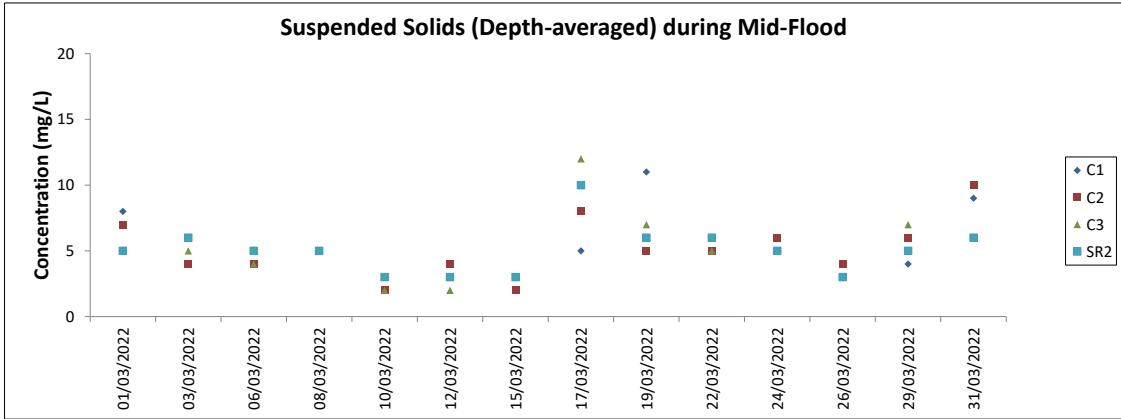
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



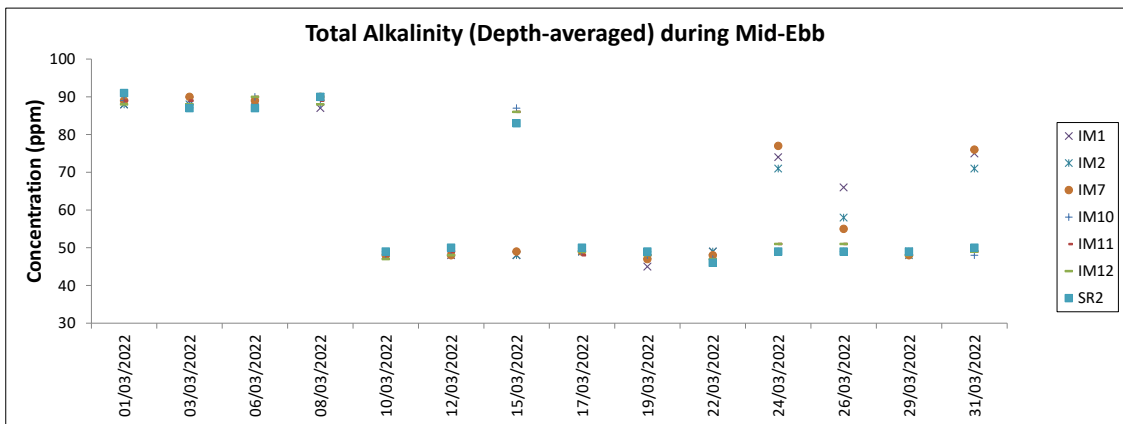
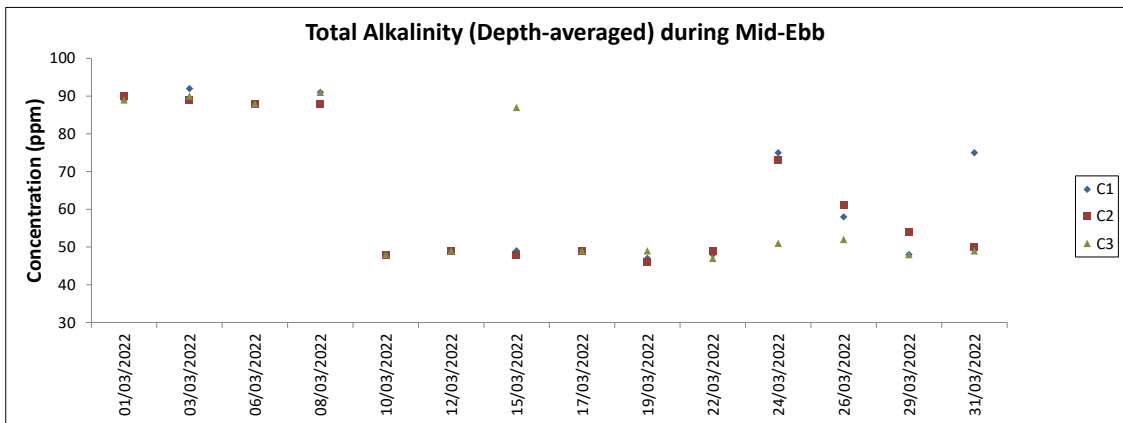
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



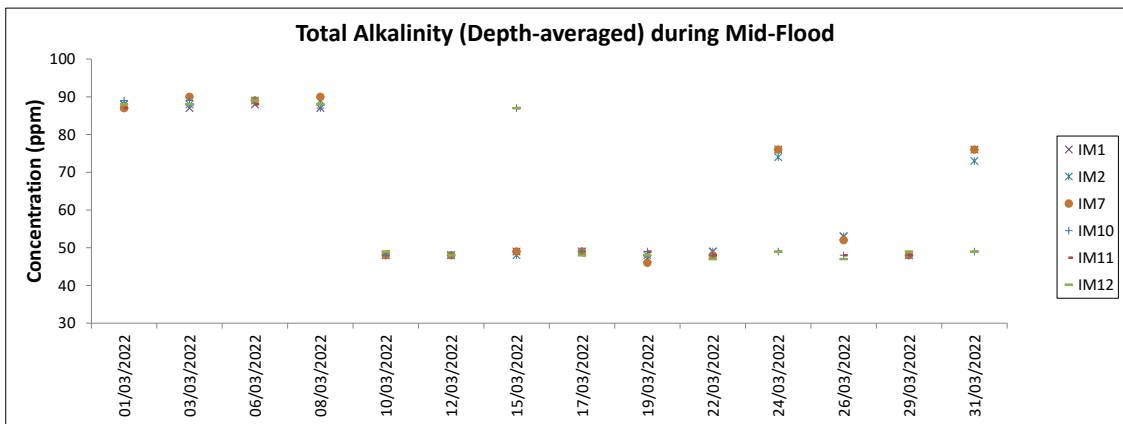
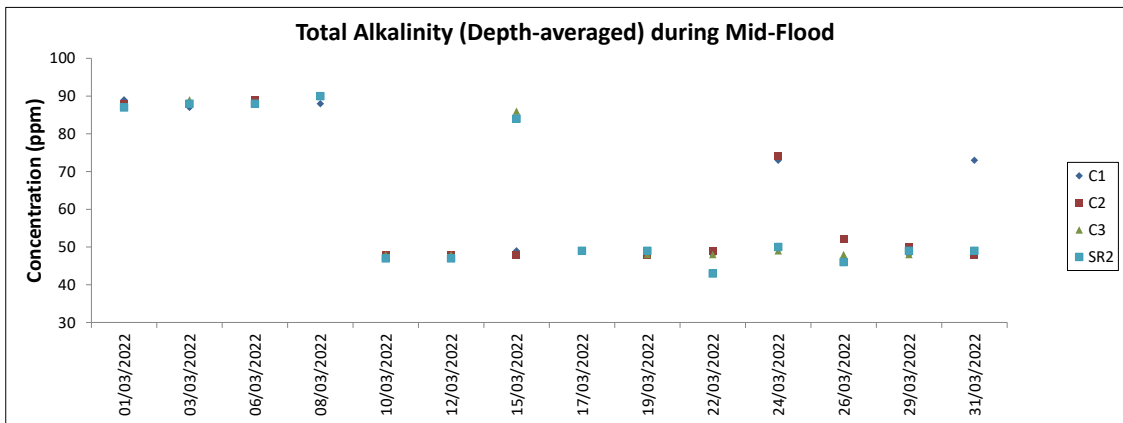
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



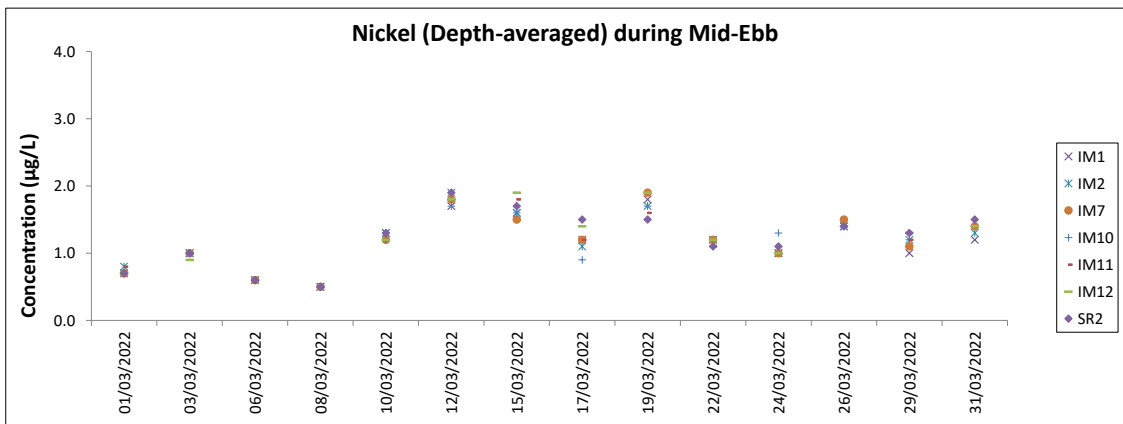
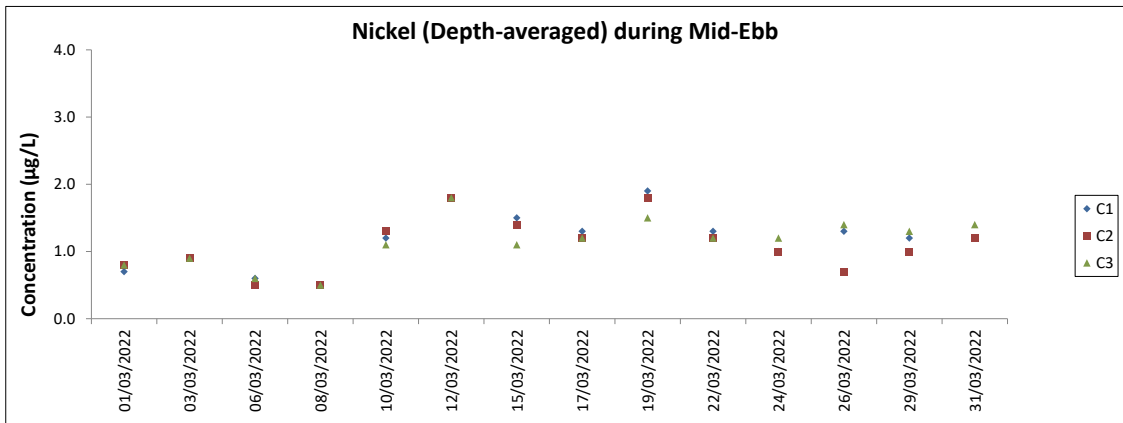
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.
 Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
 Weather conditions during monitoring are presented in the data tables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



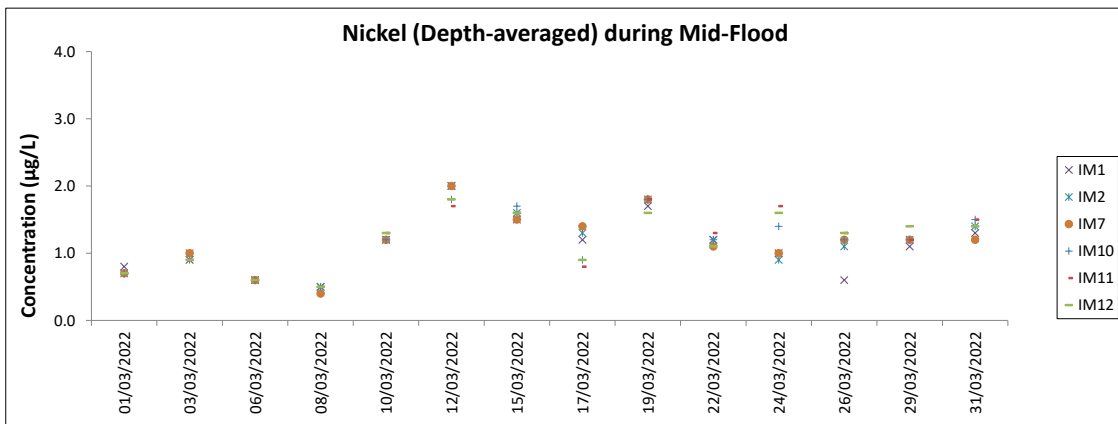
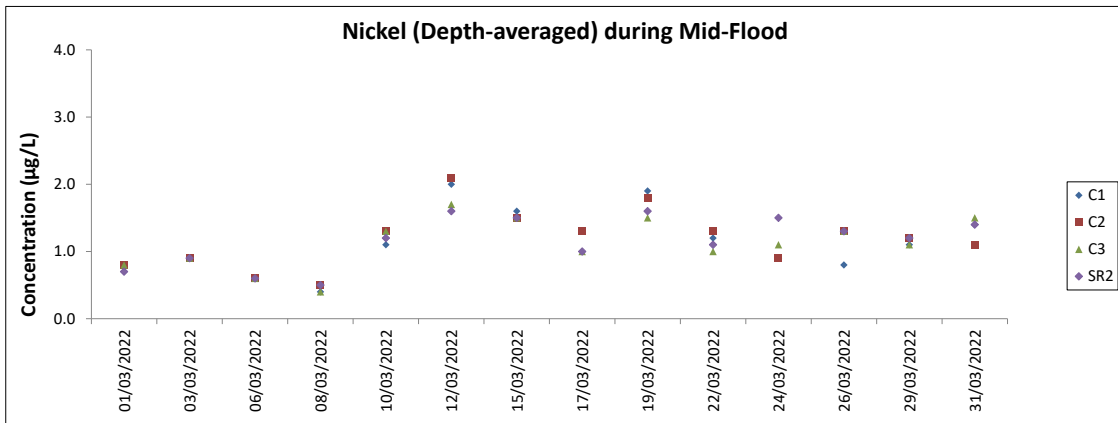
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



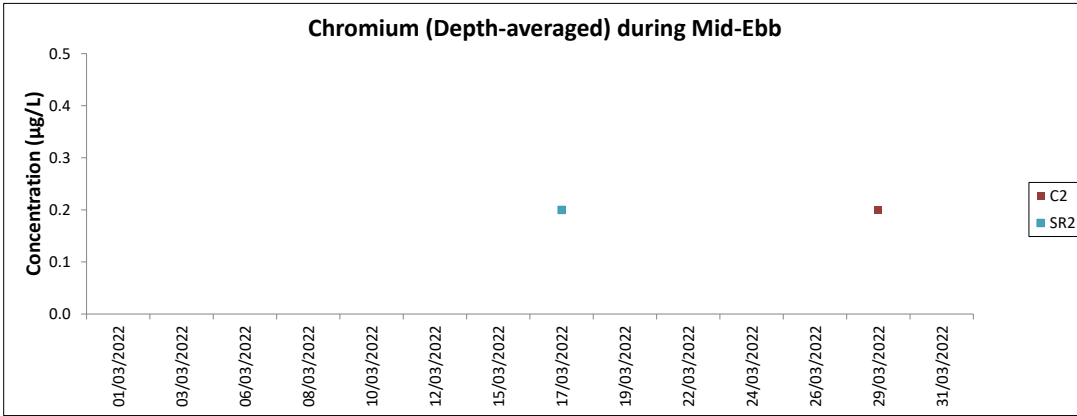
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



Note: The Action and Limit Level of nickel 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
03-Jan-22	NWL	2	48.340	WINTER	32166	3RS ET	P
03-Jan-22	NWL	3	13.940	WINTER	32166	3RS ET	P
03-Jan-22	NWL	2	11.440	WINTER	32166	3RS ET	S
04-Jan-22	NEL	2	6.300	WINTER	32166	3RS ET	P
04-Jan-22	NEL	3	23.630	WINTER	32166	3RS ET	P
04-Jan-22	NEL	4	7.300	WINTER	32166	3RS ET	P
04-Jan-22	NEL	3	7.770	WINTER	32166	3RS ET	S
04-Jan-22	NEL	4	1.800	WINTER	32166	3RS ET	S
05-Jan-22	AW	2	0.800	WINTER	32166	3RS ET	P
05-Jan-22	AW	3	1.770	WINTER	32166	3RS ET	P
05-Jan-22	AW	4	1.920	WINTER	32166	3RS ET	P
05-Jan-22	WL	2	10.474	WINTER	32166	3RS ET	P
05-Jan-22	WL	2	5.590	WINTER	32166	3RS ET	S
05-Jan-22	WL	3	0.504	WINTER	32166	3RS ET	S
10-Jan-22	AW	2	4.820	WINTER	32166	3RS ET	P
10-Jan-22	WL	2	12.835	WINTER	32166	3RS ET	P
10-Jan-22	WL	3	6.493	WINTER	32166	3RS ET	P
10-Jan-22	WL	2	5.225	WINTER	32166	3RS ET	S
10-Jan-22	WL	3	4.587	WINTER	32166	3RS ET	S
11-Jan-22	NEL	2	7.450	WINTER	32166	3RS ET	P
11-Jan-22	NEL	3	28.850	WINTER	32166	3RS ET	P
11-Jan-22	NEL	4	1.100	WINTER	32166	3RS ET	P
11-Jan-22	NEL	2	3.390	WINTER	32166	3RS ET	S
11-Jan-22	NEL	3	5.510	WINTER	32166	3RS ET	S
11-Jan-22	NEL	4	0.800	WINTER	32166	3RS ET	S
12-Jan-22	NWL	2	12.600	WINTER	32166	3RS ET	P
12-Jan-22	NWL	3	50.400	WINTER	32166	3RS ET	P
12-Jan-22	NWL	2	3.300	WINTER	32166	3RS ET	S
12-Jan-22	NWL	3	8.600	WINTER	32166	3RS ET	S
13-Jan-22	SWL	2	38.742	WINTER	32166	3RS ET	P
13-Jan-22	SWL	3	14.940	WINTER	32166	3RS ET	P
13-Jan-22	SWL	2	13.268	WINTER	32166	3RS ET	S
13-Jan-22	SWL	3	2.260	WINTER	32166	3RS ET	S
19-Jan-22	SWL	2	26.240	WINTER	32166	3RS ET	P
19-Jan-22	SWL	3	21.930	WINTER	32166	3RS ET	P
19-Jan-22	SWL	4	5.500	WINTER	32166	3RS ET	P
19-Jan-22	SWL	2	10.780	WINTER	32166	3RS ET	S
19-Jan-22	SWL	3	3.510	WINTER	32166	3RS ET	S
19-Jan-22	SWL	4	1.920	WINTER	32166	3RS ET	S
7-Feb-22	NEL	2	22.800	WINTER	32166	3RS ET	P
7-Feb-22	NEL	3	7.990	WINTER	32166	3RS ET	P
7-Feb-22	NEL	4	5.840	WINTER	32166	3RS ET	P
7-Feb-22	NEL	2	7.900	WINTER	32166	3RS ET	S
7-Feb-22	NEL	3	1.000	WINTER	32166	3RS ET	S
7-Feb-22	NEL	4	1.070	WINTER	32166	3RS ET	S
8-Feb-22	AW	3	4.930	WINTER	32166	3RS ET	P
8-Feb-22	WL	3	14.850	WINTER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
8-Feb-22	WL	4	5.800	WINTER	32166	3RS ET	P
8-Feb-22	WL	2	1.220	WINTER	32166	3RS ET	S
8-Feb-22	WL	3	7.030	WINTER	32166	3RS ET	S
8-Feb-22	WL	4	2.000	WINTER	32166	3RS ET	S
9-Feb-22	NWL	3	47.720	WINTER	32166	3RS ET	P
9-Feb-22	NWL	4	16.480	WINTER	32166	3RS ET	P
9-Feb-22	NWL	3	11.700	WINTER	32166	3RS ET	S
10-Feb-22	AW	2	4.770	WINTER	32166	3RS ET	P
10-Feb-22	WL	3	19.968	WINTER	32166	3RS ET	P
10-Feb-22	WL	3	9.014	WINTER	32166	3RS ET	S
14-Feb-22	NEL	2	33.240	WINTER	32166	3RS ET	P
14-Feb-22	NEL	3	3.440	WINTER	32166	3RS ET	P
14-Feb-22	NEL	2	9.120	WINTER	32166	3RS ET	S
14-Feb-22	NEL	3	1.200	WINTER	32166	3RS ET	S
15-Feb-22	NWL	2	48.350	WINTER	32166	3RS ET	P
15-Feb-22	NWL	3	14.780	WINTER	32166	3RS ET	P
15-Feb-22	NWL	2	7.770	WINTER	32166	3RS ET	S
15-Feb-22	NWL	3	3.400	WINTER	32166	3RS ET	S
2-Mar-22	SWL	1	19.328	WINTER	32166	3RS ET	P
2-Mar-22	SWL	2	26.443	WINTER	32166	3RS ET	P
2-Mar-22	SWL	3	4.330	WINTER	32166	3RS ET	P
2-Mar-22	SWL	1	5.230	WINTER	32166	3RS ET	S
2-Mar-22	SWL	2	10.819	WINTER	32166	3RS ET	S
2-Mar-22	SWL	3	1.616	WINTER	32166	3RS ET	S
4-Mar-22	SWL	1	3.665	WINTER	32166	3RS ET	P
4-Mar-22	SWL	2	12.934	WINTER	32166	3RS ET	P
4-Mar-22	SWL	3	31.502	WINTER	32166	3RS ET	P
4-Mar-22	SWL	2	3.628	WINTER	32166	3RS ET	S
4-Mar-22	SWL	3	11.733	WINTER	32166	3RS ET	S
7-Mar-22	NEL	2	14.130	SPRING	32166	3RS ET	P
7-Mar-22	NEL	3	19.300	SPRING	32166	3RS ET	P
7-Mar-22	NEL	2	4.270	SPRING	32166	3RS ET	S
7-Mar-22	NEL	3	6.300	SPRING	32166	3RS ET	S
8-Mar-22	NWL	2	32.300	SPRING	32166	3RS ET	P
8-Mar-22	NWL	3	23.320	SPRING	32166	3RS ET	P
8-Mar-22	NWL	2	6.840	SPRING	32166	3RS ET	S
8-Mar-22	NWL	3	3.140	SPRING	32166	3RS ET	S
11-Mar-22	AW	2	1.170	SPRING	32166	3RS ET	P
11-Mar-22	AW	3	3.550	SPRING	32166	3RS ET	P
11-Mar-22	WL	2	14.610	SPRING	32166	3RS ET	P
11-Mar-22	WL	3	3.830	SPRING	32166	3RS ET	P
11-Mar-22	WL	2	9.470	SPRING	32166	3RS ET	S
14-Mar-22	SWL	2	24.960	SPRING	32166	3RS ET	P
14-Mar-22	SWL	3	29.540	SPRING	32166	3RS ET	P
14-Mar-22	SWL	2	4.000	SPRING	32166	3RS ET	S
14-Mar-22	SWL	3	8.950	SPRING	32166	3RS ET	S
15-Mar-22	AW	1	4.900	SPRING	32166	3RS ET	P
15-Mar-22	WL	2	10.915	SPRING	32166	3RS ET	P
15-Mar-22	WL	3	6.986	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
15-Mar-22	WL	2	5.325	SPRING	32166	3RS ET	S
15-Mar-22	WL	3	3.640	SPRING	32166	3RS ET	S
16-Mar-22	NEL	2	28.140	SPRING	32166	3RS ET	P
16-Mar-22	NEL	3	8.300	SPRING	32166	3RS ET	P
16-Mar-22	NEL	2	9.000	SPRING	32166	3RS ET	S
16-Mar-22	NEL	3	1.160	SPRING	32166	3RS ET	S
18-Mar-22	SWL	1	6.271	SPRING	32166	3RS ET	P
18-Mar-22	SWL	2	41.900	SPRING	32166	3RS ET	P
18-Mar-22	SWL	3	6.190	SPRING	32166	3RS ET	P
18-Mar-22	SWL	1	0.890	SPRING	32166	3RS ET	S
18-Mar-22	SWL	2	12.000	SPRING	32166	3RS ET	S
18-Mar-22	SWL	3	1.940	SPRING	32166	3RS ET	S
21-Mar-22	NWL	2	18.260	SPRING	32166	3RS ET	P
21-Mar-22	NWL	3	45.540	SPRING	32166	3RS ET	P
21-Mar-22	NWL	2	1.100	SPRING	32166	3RS ET	S
21-Mar-22	NWL	3	10.500	SPRING	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months are presented for reference only. The two vessel surveys of February in SWL survey area were rescheduled to early March (i.e., 2 and 4 March 2022) due to unavailability of vessel operators or suitable vessel during the rising impact of COVID-19 pandemic in the second half of February 2022.

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
03-Jan-22	1	0959	CWD	3	NWL	3	868	ON	3RS ET	22.3497	113.8684	WINTER	NONE	P
03-Jan-22	2	1039	CWD	5	NWL	2	466	ON	3RS ET	22.2726	113.8700	WINTER	GILLNETTER	P
03-Jan-22	3	1159	CWD	4	NWL	2	130	ON	3RS ET	22.3693	113.8773	WINTER	NONE	P
03-Jan-22	4	1331	CWD	2	NWL	2	563	ON	3RS ET	22.3616	113.8979	WINTER	NONE	P
05-Jan-22	1	0946	CWD	1	AW	3	262	ON	3RS ET	22.2919	113.8752	WINTER	NONE	P
05-Jan-22	2	1024	CWD	5	WL	2	430	ON	3RS ET	22.2854	113.8614	WINTER	GILLNETTER	P
05-Jan-22	3	1048	CWD	3	WL	2	789	ON	3RS ET	22.2764	113.8512	WINTER	NONE	S
05-Jan-22	4	1052	CWD	3	WL	2	173	ON	3RS ET	22.2749	113.8492	WINTER	NONE	S
05-Jan-22	5	1108	CWD	3	WL	2	295	ON	3RS ET	22.2695	113.8523	WINTER	GILLNETTER	P
05-Jan-22	6	1115	CWD	1	WL	2	8	ON	3RS ET	22.2683	113.8597	WINTER	GILLNETTER	S
05-Jan-22	7	1125	CWD	7	WL	2	178	ON	3RS ET	22.2593	113.8440	WINTER	NONE	P
05-Jan-22	8	1143	CWD	3	WL	2	155	ON	3RS ET	22.2502	113.8373	WINTER	NONE	P
05-Jan-22	9	1159	CWD	1	WL	2	304	ON	3RS ET	22.2448	113.8497	WINTER	GILLNETTER	S
05-Jan-22	10	1233	CWD	4	WL	2	74	ON	3RS ET	22.2323	113.8373	WINTER	NONE	P
05-Jan-22	11	1253	CWD	3	WL	2	215	ON	3RS ET	22.2236	113.8309	WINTER	NONE	P
05-Jan-22	12	1313	CWD	1	WL	2	240	ON	3RS ET	22.2142	113.8264	WINTER	NONE	P
05-Jan-22	13	1328	CWD	11	WL	2	598	ON	3RS ET	22.2060	113.8393	WINTER	NONE	S
10-Jan-22	1	1017	CWD	1	WL	2	63	ON	3RS ET	22.2759	113.8501	WINTER	NONE	S
10-Jan-22	2	1140	CWD	5	WL	3	331	ON	3RS ET	22.2142	113.8259	WINTER	NONE	P
10-Jan-22	3	1211	CWD	8	WL	3	103	ON	3RS ET	22.2059	113.8291	WINTER	NONE	P
13-Jan-22	1	1152	FP	1	SWL	2	40	ON	3RS ET	22.1586	113.9179	WINTER	NONE	P
13-Jan-22	2	1314	FP	3	SWL	2	261	ON	3RS ET	22.1492	113.8923	WINTER	NONE	S
13-Jan-22	3	1433	CWD	5	SWL	2	366	ON	3RS ET	22.1978	113.8685	WINTER	NONE	P
19-Jan-22	1	1337	FP	2	SWL	3	43	ON	3RS ET	22.1859	113.8977	WINTER	NONE	P
19-Jan-22	2	1453	CWD	5	SWL	3	38	ON	3RS ET	22.1827	113.8592	WINTER	NONE	P
10-Feb-22	1	1102	CWD	9	WL	3	185	ON	3RS ET	22.2418	113.8301	WINTER	NONE	P
10-Feb-22	2	1119	CWD	1	WL	3	61	ON	3RS ET	22.2316	113.8319	WINTER	NONE	P
10-Feb-22	3	1134	CWD	4	WL	3	78	ON	3RS ET	22.2236	113.8286	WINTER	NONE	P
10-Feb-22	4	1157	CWD	2	WL	3	43	ON	3RS ET	22.2146	113.8308	WINTER	NONE	P
15-Feb-22	1	0950	CWD	3	NWL	2	97	ON	3RS ET	22.3634	113.8706	WINTER	NONE	P
15-Feb-22	2	1054	CWD	2	NWL	2	50	ON	3RS ET	22.3039	113.8778	WINTER	NONE	P
02-Mar-22	1	1023	FP	6	SWL	1	400	ON	3RS ET	22.2167	113.9352	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
02-Mar-22	2	1034	FP	3	SWL	1	88	ON	3RS ET	22.1947	113.9360	WINTER	NONE	P
02-Mar-22	3	1040	FP	2	SWL	1	50	ON	3RS ET	22.1843	113.9360	WINTER	NONE	P
02-Mar-22	4	1112	FP	3	SWL	1	474	ON	3RS ET	22.1693	113.9277	WINTER	NONE	P
02-Mar-22	5	1132	FP	5	SWL	1	44	ON	3RS ET	22.2034	113.9187	WINTER	NONE	S
02-Mar-22	6	1154	FP	1	SWL	2	80	ON	3RS ET	22.1584	113.9175	WINTER	NONE	P
02-Mar-22	7	1204	FP	1	SWL	2	20	ON	3RS ET	22.1413	113.9154	WINTER	NONE	S
02-Mar-22	8	1213	FP	2	SWL	2	62	ON	3RS ET	22.1522	113.9082	WINTER	NONE	P
02-Mar-22	9	1217	FP	2	SWL	2	6	ON	3RS ET	22.1543	113.9050	WINTER	NONE	S
02-Mar-22	10	1310	FP	4	SWL	1	152	ON	3RS ET	22.1701	113.8969	WINTER	NONE	P
02-Mar-22	11	1316	FP	3	SWL	2	306	ON	3RS ET	22.1590	113.8973	WINTER	NONE	P
02-Mar-22	12	1318	FP	6	SWL	2	61	ON	3RS ET	22.1573	113.8974	WINTER	NONE	P
02-Mar-22	13	1328	FP	2	SWL	2	39	ON	3RS ET	22.1495	113.8906	WINTER	NONE	S
02-Mar-22	14	1335	FP	7	SWL	2	69	ON	3RS ET	22.1588	113.8882	WINTER	NONE	P
02-Mar-22	15	1346	FP	1	SWL	1	43	ON	3RS ET	22.1646	113.8883	WINTER	NONE	P
02-Mar-22	16	1427	FP	1	SWL	2	453	ON	3RS ET	22.1757	113.8791	WINTER	NONE	P
02-Mar-22	17	1429	FP	1	SWL	2	10	ON	3RS ET	22.1729	113.8786	WINTER	NONE	P
02-Mar-22	18	1434	FP	4	SWL	2	34	ON	3RS ET	22.1668	113.8789	WINTER	NONE	P
04-Mar-22	1	1025	FP	2	SWL	1	156	ON	3RS ET	22.2173	113.9361	WINTER	NONE	P
04-Mar-22	2	1028	FP	5	SWL	1	45	ON	3RS ET	22.2140	113.9361	WINTER	NONE	P
04-Mar-22	3	1035	FP	1	SWL	1	11	ON	3RS ET	22.2073	113.9362	WINTER	NONE	P
04-Mar-22	4	1042	FP	2	SWL	2	264	ON	3RS ET	22.1863	113.9362	WINTER	NONE	P
04-Mar-22	5	1215	FP	5	SWL	3	6	ON	3RS ET	22.1522	113.9075	WINTER	NONE	P
04-Mar-22	6	1229	FP	4	SWL	3	104	ON	3RS ET	22.1561	113.8999	WINTER	NONE	S
04-Mar-22	7	1329	FP	1	SWL	3	21	ON	3RS ET	22.1568	113.8976	WINTER	NONE	P
04-Mar-22	8	1405	FP	1	SWL	2	73	ON	3RS ET	22.2085	113.8882	WINTER	NONE	P
04-Mar-22	9	1411	FP	3	SWL	2	80	ON	3RS ET	22.2114	113.8837	WINTER	NONE	S
04-Mar-22	10	1415	FP	2	SWL	2	102	ON	3RS ET	22.2081	113.8794	WINTER	NONE	S
04-Mar-22	11	1530	CWD	1	SWL	2	262	ON	3RS ET	22.1899	113.8495	WINTER	NONE	P
08-Mar-22	1	1029	CWD	4	NWL	3	58	ON	3RS ET	22.2918	113.8698	SPRING	NONE	P
11-Mar-22	1	1033	CWD	5	WL	2	202	ON	3RS ET	22.2610	113.8455	SPRING	NONE	P
11-Mar-22	2	1106	CWD	13	WL	2	794	ON	3RS ET	22.2418	113.8348	SPRING	NONE	P
14-Mar-22	1	1035	FP	3	SWL	2	19	ON	3RS ET	22.2002	113.9361	SPRING	NONE	P
14-Mar-22	2	1049	FP	5	SWL	2	128	ON	3RS ET	22.1731	113.9361	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
14-Mar-22	3	1051	FP	3	SWL	2	447	ON	3RS ET	22.1716	113.9362	SPRING	NONE	P
14-Mar-22	4	1200	FP	2	SWL	2	99	ON	3RS ET	22.1569	113.9182	SPRING	NONE	P
14-Mar-22	5	1329	FP	2	SWL	3	474	ON	3RS ET	22.1609	113.8875	SPRING	NONE	P
14-Mar-22	6	1350	CWD	1	SWL	2	831	ON	3RS ET	22.2038	113.8873	SPRING	NONE	P
15-Mar-22	1	1112	CWD	5	WL	3	64	ON	3RS ET	22.2287	113.8376	SPRING	NONE	S
15-Mar-22	2	1128	CWD	2	WL	3	147	ON	3RS ET	22.2227	113.8344	SPRING	NONE	P
15-Mar-22	3	1145	CWD	11	WL	2	127	ON	3RS ET	22.2136	113.8277	SPRING	NONE	P
15-Mar-22	4	1221	CWD	3	WL	2	710	ON	3RS ET	22.2057	113.8362	SPRING	NONE	P
15-Mar-22	5	1248	CWD	3	WL	2	223	ON	3RS ET	22.1959	113.8378	SPRING	NONE	P
18-Mar-22	1	1037	FP	1	SWL	1	98	ON	3RS ET	22.2218	113.9362	SPRING	NONE	P
18-Mar-22	2	1054	FP	4	SWL	1	161	ON	3RS ET	22.1877	113.9367	SPRING	NONE	P
18-Mar-22	3	1101	FP	7	SWL	1	55	ON	3RS ET	22.1779	113.9365	SPRING	NONE	P
18-Mar-22	4	1107	FP	2	SWL	1	134	ON	3RS ET	22.1752	113.9369	SPRING	NONE	P
18-Mar-22	5	1152	FP	3	SWL	3	153	ON	3RS ET	22.1987	113.9275	SPRING	NONE	P
18-Mar-22	6	1236	FP	5	SWL	2	133	ON	3RS ET	22.1488	113.9084	SPRING	NONE	P
18-Mar-22	7	1245	FP	6	SWL	2	5	ON	3RS ET	22.1531	113.9089	SPRING	NONE	P
18-Mar-22	8	1344	FP	8	SWL	1	75	ON	3RS ET	22.2021	113.8975	SPRING	NONE	P
18-Mar-22	9	1355	FP	4	SWL	1	191	ON	3RS ET	22.1928	113.8965	SPRING	NONE	P
18-Mar-22	10	1429	FP	4	SWL	2	6	ON	3RS ET	22.1602	113.8880	SPRING	NONE	P
18-Mar-22	11	1436	FP	1	SWL	2	222	ON	3RS ET	22.1650	113.8882	SPRING	NONE	P
18-Mar-22	12	1439	FP	3	SWL	2	182	ON	3RS ET	22.1664	113.8885	SPRING	NONE	P
18-Mar-22	13	1446	FP	3	SWL	2	8	ON	3RS ET	22.1732	113.8877	SPRING	NONE	P
18-Mar-22	14	1454	FP	1	SWL	2	204	ON	3RS ET	22.1839	113.8878	SPRING	NONE	P
18-Mar-22	15	1512	FP	3	SWL	1	6	ON	3RS ET	22.2086	113.8800	SPRING	NONE	S
18-Mar-22	16	1541	FP	1	SWL	2	71	ON	3RS ET	22.1577	113.8783	SPRING	NONE	P
18-Mar-22	17	1545	FP	1	SWL	2	39	ON	3RS ET	22.1585	113.8754	SPRING	NONE	S
18-Mar-22	18	1556	FP	1	SWL	2	46	ON	3RS ET	22.1719	113.8684	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:

Two vessel surveys of February in SWL survey area were rescheduled to early March (i.e., 2 and 4 March 2022) due to unavailability of vessel operators or suitable vessel during the rising impact of COVID-19 pandemic in the second half of February 2022.

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 432.637 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 9 on-effort sightings and total number of 47 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in March 2022 are shown as below:

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

$$STG = \frac{9}{432.637} \times 100 = 2.08$$

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

$$ANI = \frac{47}{432.637} \times 100 = 10.86$$

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

A total of 1262.345 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 38 on-effort sightings and total number of 153 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)









$$STG = \frac{38}{1262.345} \times 100 = 3.01$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{153}{1262.345} \times 100 = 12.12$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM084_20220308_1_7	WLMM071_20220308_1_2
	
WLMM149_20220308_1_9	WLMM168_20220308_1_2
	
WLMM172_20220311_1_5	SLMM002_20220311_2_18
	
SLMM003_20220311_2_5	SLMM010_20220311_2_4

	
SLMM012_20220311_2_2	SLMM037_20220311_2_3
	
WLMM056_20220311_2_7	WLMM063_20220311_2_8
	
WLMM109_20220311_2_6	WLMM114_20220311_2_5
	
WLMM173_20220311_2_3	WLMM174_20220311_2_3



SLMM060_20220314_6_8



SLMM052_20220315_1_3



WLMM067_20220315_1_1



WLMM150_20220315_1_6



SLMM010_20220315_2_3











SLMM029_20220315_2_2



SLMM027_20220315_3_1



SLMM044_20220315_3_16

	
WLMM067_20220315_3_1	WLMM073_20220315_3_7
	
WLMM079_20220315_3_2	WLMM150_20220315_3_26
	
WLMM109_20220315_4_4	WLMM174_20220315_4_7
	
SLMM012_20220315_5_6	SLMM025_20220315_5_2

	
<p>WLMM001_20220315_5_1</p>	

CWD Land-based Theodolite Tracking Survey**CWD Groups by Survey Date**

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
18/Mar/22	Lung Kwu Chau	9:11	14:11	6:00	2	4	0	0
31/Mar/22	Sha Chau	10:50	16:50	6:00	2	2	0	0

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