Appendix C. Monitoring Results

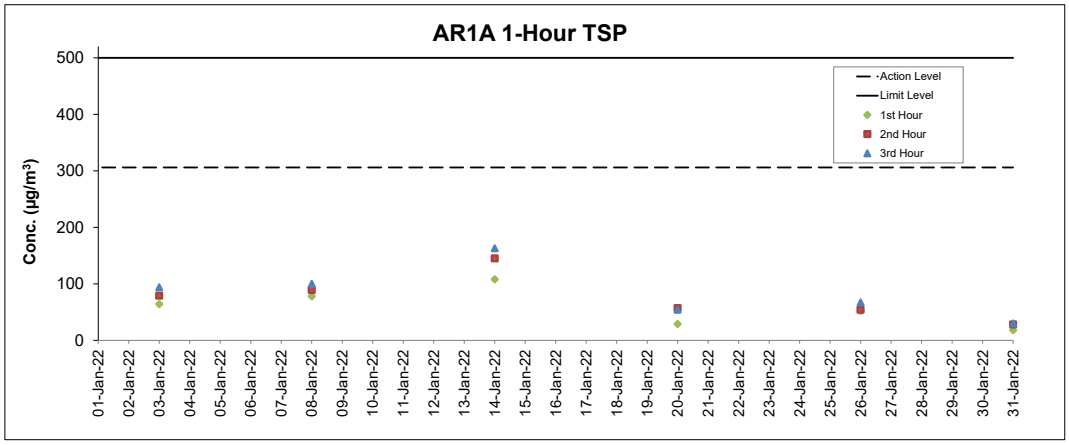
Air Quality Monitoring Results

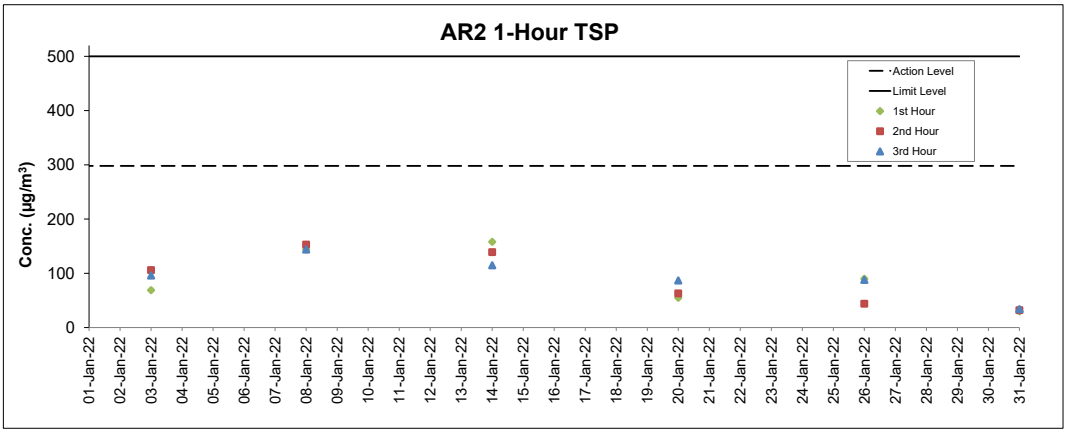
1-hour TSP Results
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
03-Jan-22	12:55	Sunny	4.2	248	64	306	500
03-Jan-22	13:55	Sunny	3.9	259	79	306	500
03-Jan-22	14:55	Sunny	3.3	272	94	306	500
08-Jan-22	7:59	Fine	3.3	50	78	306	500
08-Jan-22	8:59	Fine	1.9	69	89	306	500
08-Jan-22	9:59	Fine	1.7	15	100	306	500
14-Jan-22	8:27	Overcast	8.3	86	108	306	500
14-Jan-22	9:27	Overcast	9.2	90	145	306	500
14-Jan-22	10:27	Overcast	7.8	90	163	306	500
20-Jan-22	7:39	Overcast	4.2	83	29	306	500
20-Jan-22	8:39	Overcast	5.3	90	57	306	500
20-Jan-22	9:39	Overcast	4.2	107	54	306	500
26-Jan-22	9:18	Overcast	6.1	97	52	306	500
26-Jan-22	10:18	Overcast	6.4	104	54	306	500
26-Jan-22	11:18	Overcast	6.1	84	67	306	500
31-Jan-22	7:32	Fine	4.7	4	18	306	500
31-Jan-22	8:32	Fine	6.1	50	28	306	500
31-Jan-22	9:32	Fine	6.7	44	30	306	500

1-hour TSP Results
Station: AR2- Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
03-Jan-22	8:37	Sunny	4.7	87	69	298	500
03-Jan-22	9:37	Sunny	4.2	91	106	298	500
03-Jan-22	10:37	Sunny	4.2	83	96	298	500
08-Jan-22	12:14	Fine	3.6	323	144	298	500
08-Jan-22	13:14	Fine	3.3	259	153	298	500
08-Jan-22	14:14	Fine	3.1	254	144	298	500
14-Jan-22	12:46	Overcast	7.8	93	158	298	500
14-Jan-22	13:46	Overcast	7.2	98	139	298	500
14-Jan-22	14:46	Overcast	8.9	91	115	298	500
20-Jan-22	12:13	Sunny	4.2	341	55	298	500
20-Jan-22	13:13	Sunny	3.9	333	63	298	500
20-Jan-22	14:13	Sunny	3.6	267	87	298	500
26-Jan-22	13:35	Sunny	5.0	83	90	298	500
26-Jan-22	14:35	Sunny	4.2	87	44	298	500
26-Jan-22	15:35	Sunny	3.3	25	88	298	500
31-Jan-22	12:16	Fine	3.3	47	30	298	500
31-Jan-22	13:16	Fine	3.9	42	32	298	500
31-Jan-22	14:16	Fine	4.4	1	34	298	500





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

Noise Monitoring Results

Noise Measurement Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
03-Jan-22	Sunny	14:20	56.0	48.5	58
03-Jan-22	Sunny	14:25	60.4	49.2	
03-Jan-22	Sunny	14:30	54.3	49.0	
03-Jan-22	Sunny	14:35	58.4	50.4	
03-Jan-22	Sunny	14:40	55.0	48.3	
03-Jan-22	Sunny	14:45	55.8	48.3	
14-Jan-22	Overcast	08:30	62.8	52.7	59
14-Jan-22	Overcast	08:35	57.2	50.8	
14-Jan-22	Overcast	08:40	58.4	51.4	
14-Jan-22	Overcast	08:45	56.3	51.0	
14-Jan-22	Overcast	08:50	56.8	51.1	
14-Jan-22	Overcast	08:55	61.7	53.3	
20-Jan-22	Overcast	07:43	55.4	52.1	59
20-Jan-22	Overcast	07:48	63.0	53.3	
20-Jan-22	Overcast	07:53	57.7	52.2	
20-Jan-22	Overcast	07:58	56.0	52.1	
20-Jan-22	Overcast	08:03	56.7	50.7	
20-Jan-22	Overcast	08:08	57.0	52.3	
26-Jan-22	Overcast	11:21	58.1	52.5	58
26-Jan-22	Overcast	11:26	59.7	51.0	
26-Jan-22	Overcast	11:31	59.3	48.5	
26-Jan-22	Overcast	11:36	55.9	48.8	
26-Jan-22	Overcast	11:41	56.4	50.3	
26-Jan-22	Overcast	11:46	56.0	49.3	
31-Jan-22	Fine	07:37	55.7	50.6	58
31-Jan-22	Fine	07:42	57.6	51.1	
31-Jan-22	Fine	07:47	57.1	52.2	
31-Jan-22	Fine	07:52	56.6	52.1	
31-Jan-22	Fine	07:57	57.0	53.6	
31-Jan-22	Fine	08:02	59.4	53.4	

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

Noise Measurement Results
Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
04-Jan-22	Sunny	14:08	59.1	54.3	62
04-Jan-22	Sunny	14:13	61.0	55.6	
04-Jan-22	Sunny	14:18	61.3	56.2	
04-Jan-22	Sunny	14:23	63.4	57.8	
04-Jan-22	Sunny	14:28	59.7	54.9	
04-Jan-22	Sunny	14:33	61.4	56.0	
13-Jan-22	Fine	08:43	60.5	57.3	62
13-Jan-22	Fine	08:48	61.5	57.0	
13-Jan-22	Fine	08:53	59.2	55.4	
13-Jan-22	Fine	08:58	61.7	55.2	
13-Jan-22	Fine	09:03	62.0	58.2	
13-Jan-22	Fine	09:08	62.0	57.9	
18-Jan-22	Fine	14:33	60.2	54.5	61
18-Jan-22	Fine	14:38	59.6	55.4	
18-Jan-22	Fine	14:43	61.2	55.5	
18-Jan-22	Fine	14:48	59.1	54.7	
18-Jan-22	Fine	14:53	60.8	55.7	
18-Jan-22	Fine	14:58	60.5	53.6	
25-Jan-22	Fine	13:18	59.9	55.7	61
25-Jan-22	Fine	13:23	58.3	55.0	
25-Jan-22	Fine	13:28	59.5	54.8	
25-Jan-22	Fine	13:33	59.4	55.2	
25-Jan-22	Fine	13:38	61.4	54.8	
25-Jan-22	Fine	13:43	61.1	56.8	

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

Noise Measurement Results
Station: NM5- Village House, Tin Sum

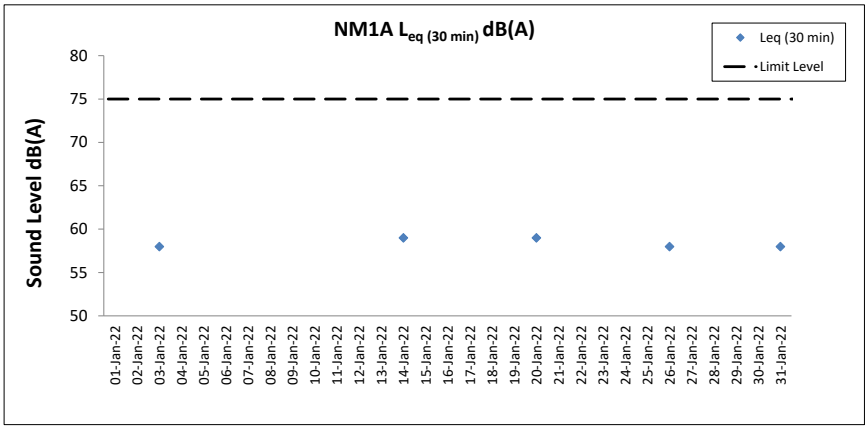
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
03-Jan-22	Sunny	09:20	51.6	46.1	57
03-Jan-22	Sunny	09:25	51.5	45.7	
03-Jan-22	Sunny	09:30	51.4	46.7	
03-Jan-22	Sunny	09:35	50.3	46.1	
03-Jan-22	Sunny	09:40	57.3	46.4	
03-Jan-22	Sunny	09:45	51.0	48.1	
14-Jan-22	Overcast	12:45	56.0	48.9	61*
14-Jan-22	Overcast	12:50	54.8	47.5	
14-Jan-22	Overcast	12:55	56.3	48.2	
14-Jan-22	Overcast	13:00	54.2	48.4	
14-Jan-22	Overcast	13:05	56.0	49.6	
14-Jan-22	Overcast	13:10	72.3	49.6	
20-Jan-22	Sunny	12:15	49.1	45.6	53
20-Jan-22	Sunny	12:20	54.6	46.3	
20-Jan-22	Sunny	12:25	50.6	44.0	
20-Jan-22	Sunny	12:30	52.5	44.6	
20-Jan-22	Sunny	12:35	46.8	44.0	
20-Jan-22	Sunny	12:40	47.3	44.1	
26-Jan-22	Overcast	14:09	52.8	49.2	66*
26-Jan-22	Overcast	14:14	55.1	50.3	
26-Jan-22	Overcast	14:19	64.7	53.9	
26-Jan-22	Overcast	14:24	73.2	55.1	
26-Jan-22	Overcast	14:29	71.9	49.7	
26-Jan-22	Overcast	14:34	56.2	49.4	
31-Jan-22	Fine	12:17	56.9	47.1	55
31-Jan-22	Fine	12:22	53.2	46.6	
31-Jan-22	Fine	12:27	53.8	46.5	
31-Jan-22	Fine	12:32	50.1	47.5	
31-Jan-22	Fine	12:37	52.1	46.2	
31-Jan-22	Fine	12:42	57.0	44.6	

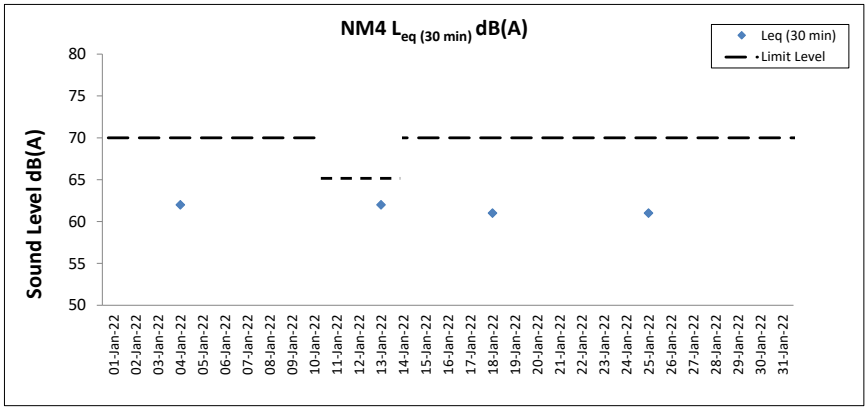
Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.
(*) The measurement result was corrected with reference to the baseline monitoring levels.

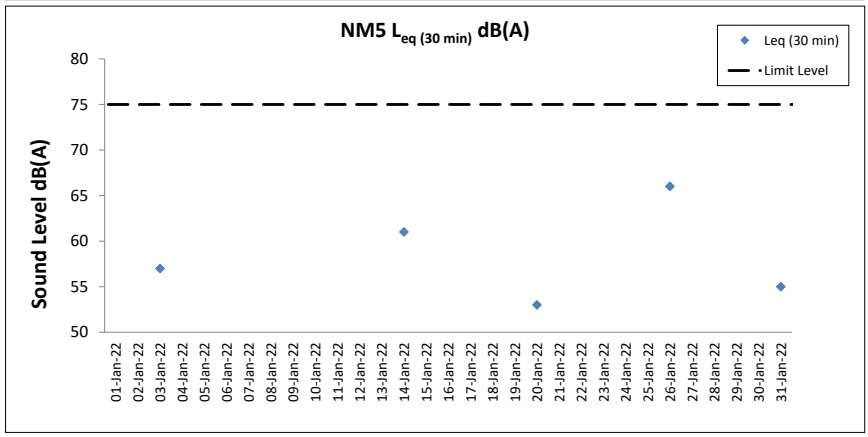
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

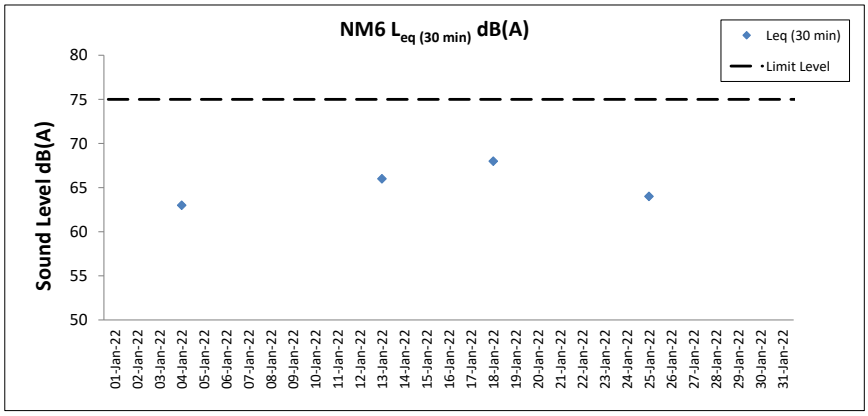
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
04-Jan-22	Sunny	15:39	63.3	48.3	63
04-Jan-22	Sunny	15:44	57.2	45.8	
04-Jan-22	Sunny	15:49	56.2	47.3	
04-Jan-22	Sunny	15:54	66.6	47.5	
04-Jan-22	Sunny	15:59	62.7	46.2	
04-Jan-22	Sunny	16:04	62.9	45.5	
13-Jan-22	Fine	15:42	64.8	57.9	66*
13-Jan-22	Fine	15:47	74.4	60.7	
13-Jan-22	Fine	15:52	69.1	61.0	
13-Jan-22	Fine	15:57	72.5	60.0	
13-Jan-22	Fine	16:02	66.3	59.7	
13-Jan-22	Fine	16:07	69.8	61.0	
18-Jan-22	Fine	15:47	69.5	55.6	68
18-Jan-22	Fine	15:52	68.6	54.6	
18-Jan-22	Fine	15:57	65.5	49.3	
18-Jan-22	Fine	16:02	63.4	45.6	
18-Jan-22	Fine	16:07	56.8	45.5	
18-Jan-22	Fine	16:12	68.3	49.2	
25-Jan-22	Fine	15:41	62.2	47.8	64
25-Jan-22	Fine	15:46	49.6	43.6	
25-Jan-22	Fine	15:51	58.8	45.0	
25-Jan-22	Fine	15:56	72.2	50.0	
25-Jan-22	Fine	16:01	59.1	50.4	
25-Jan-22	Fine	16:06	53.9	48.4	

Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.
(*) The measurement result was corrected with reference to the baseline monitoring levels.









Notes

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

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 January 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Calm	11:41	7.8	Surface	1.0	0.4	167	18.5	18.5	8.2	8.2	32.5	32.5	90.6	90.6	7.0	7.0	9.2	9.9	6	6	815609	804229
						1.0	0.4	179	18.5		8.2		32.5		90.6		7.0		9.2		5			
					Middle	3.9	0.4	155	18.5	18.3	8.2	8.2	32.4	32.4	90.6	90.6	7.0		9.8		5			
						3.9	0.4	162	18.1		8.2		32.4		90.6		7.0		9.8		6			
					Bottom	6.8	0.3	144	18.6	18.4	8.2	8.2	32.4	32.4	90.8	90.8	7.0	7.0	10.8		7			
						6.8	0.3	145	18.1		8.2		32.4		90.8		7.0		10.8		6			
C2	Fine	Calm	12:35	12.8	Surface	1.0	0.5	172	18.5	18.5	8.1	8.1	32.4	32.4	94.0	94.2	7.3	7.4	1.5	2.5	11	10	825675	806922
						1.0	0.5	182	18.5		8.1		32.4		94.4		7.3		1.5		11			
					Middle	6.4	0.4	161	18.5	18.5	8.1	8.1	32.4	32.4	95.6	95.7	7.4		2.3		10			
						6.4	0.4	172	18.5		8.1		32.4		95.8		7.4		2.3		11			
					Bottom	11.8	0.3	149	18.5	18.5	8.1	8.1	32.4	32.4	96.6	96.9	7.5	7.5	3.9		10			
						11.8	0.4	161	18.5		8.1		32.4		97.1		7.5		3.7		9			
C3	Fine	Calm	10:47	12.0	Surface	1.0	0.3	103	19.0	19.0	8.1	8.1	33.2	33.2	89.5	89.5	6.8	6.9	6.9	7.4	9	10	822095	817803
						1.0	0.3	105	19.0		8.1		33.2		89.5		6.8		6.9		10			
					Middle	6.0	0.3	114	19.0	19.0	8.1	8.1	33.2	33.2	90.2	90.2	6.9		7.4		9			
						6.0	0.3	119	19.0		8.1		33.2		90.2		6.9		7.4		10			
					Bottom	11.0	0.3	113	19.0	19.0	8.1	8.1	33.2	33.2	91.2	91.4	7.0	7.0	8.0		12			
						11.0	0.3	120	19.0		8.1		33.2		91.5		7.0		8.1		12			
IM1	Fine	Calm	12:00	4.6	Surface	1.0	0.2	156	18.5	18.5	8.2	8.2	32.4	32.4	90.8	90.8	7.0	7.0	7.4	7.9	10	9	817945	807111
						1.0	0.2	167	18.5		8.2		32.4		90.8		7.0		7.5		9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.6	0.2	144	18.5	18.5	8.1	8.1	32.5	32.5	90.7	90.7	7.0	7.0	8.4		9			
						3.6	0.2	149	18.5		8.1		32.5		90.7		7.0		8.4		8			
IM2	Fine	Calm	12:07	6.2	Surface	1.0	0.3	157	18.5	18.5	8.2	8.2	32.4	32.4	90.6	90.6	7.0	7.0	3.9	5.2	7	8	818183	806175
						1.0	0.3	163	18.5		8.2		32.4		90.6		7.0		3.9		7			
					Middle	3.1	0.2	161	18.5	18.5	8.2	8.1	32.4	32.4	90.6	90.6	7.0		5.2		9			
						3.1	0.2	174	18.5		8.1		32.4		90.6		7.0		5.2		8			
					Bottom	5.2	0.2	168	18.5	18.5	8.1	8.1	32.4	32.4	90.7	90.7	7.0	7.0	6.6		9			
						5.2	0.2	171	18.5		8.2		32.4		90.7		7.0		6.6		8			
IM3	Fine	Calm	12:13	6.4	Surface	1.0	0.3	183	18.1	18.1	8.1	8.1	32.4	32.4	90.6	90.6	7.0	7.0	9.2	10.0	9	9	818762	805601
						1.0	0.3	199	18.1		8.2		32.4		90.6		7.0		9.2		10			
					Middle	3.2	0.2	188	18.1	18.3	8.2	8.2	32.4	32.4	90.7	90.7	7.0		9.9		9			
						3.2	0.2	203	18.5		8.2		32.4		90.7		7.0		9.9		9			
					Bottom	5.4	0.2	190	18.5	18.5	8.2	8.2	32.4	32.4	90.7	90.7	7.0	7.0	10.9		8			
						5.4	0.2	196	18.5		8.2		32.4		90.7		7.0		10.8		9			
IM4	Fine	Calm	12:23	8.0	Surface	1.0	0.3	201	18.6	18.6	8.2	8.2	32.4	32.4	90.5	90.5	7.0	7.0	9.1	10.2	7	8	819705	804625
						1.0	0.3	203	18.6		8.2		32.4		90.5		7.0		9.1		7			
					Middle	4.0	0.2	222	18.6	18.6	8.2	8.1	32.4	32.3	90.5	90.5	7.0		10.6		8			
						4.0	0.2	223	18.6		8.1		32.3		90.5		7.0		10.6		9			
					Bottom	7.0	0.2	201	18.6	18.4	8.1	8.1	32.3	32.3	90.6	90.6	7.0	7.0	10.8		9			
						7.0	0.2	212	18.1		8.1		32.3		90.6		7.0		10.8		8			
IM5	Fine	Calm	12:32	7.6	Surface	1.0	0.3	200	18.6	18.5	8.2	8.2	32.3	32.3	90.5	90.5	7.0	7.0	8.0	9.0	8	8	820716	804845
						1.0	0.3	216	18.4		8.2		32.3		90.5		7.0		8.0		7			
					Middle	3.8	0.3	197	18.4	18.5	8.1	8.1	32.4	32.4	90.5	90.5	7.0		9.1		8			
						3.8	0.3	200	18.6		8.1		32.4		90.5		7.0		9.1		9			
					Bottom	6.6	0.2	188	18.6	18.6	8.1	8.1	32.4	32.4	90.5	90.5	7.0	7.0	9.8		9			
						6.6	0.2	202	18.6		8.2		32.4		90.5		7.0		9.8		8			
IM6	Fine	Calm	12:40	6.8	Surface	1.0	0.4	205	18.4	18.4	8.1	8.1	32.4	32.4	90.3	90.3	7.0	7.0	9.2	10.0	9	9	821052	805808
						1.0	0.4	207	18.4		8.2		32.4		90.3		7.0		9.1		10			
					Middle	3.4	0.4	210	18.4	18.5	8.2	8.2	32.3	32.3	90.3	90.4	7.0		10.2		9			
						3.4	0.4	217	18.6		8.2		32.3		90.4		7.0		10.2		10			
					Bottom	5.8	0.3	209	18.6	18.6	8.2	8.2	32.3	32.3	90.4	90.4	7.0	7.0	10.9		7			
						5.8	0.3	221	18.6		8.2		32.3		90.4		7.0		10.8		8			
IM7	Fine	Calm	12:48	8.0	Surface	1.0	0.4	221	18.6	18.6	8.2	8.2	32.4	32.4	90.4	90.4	7.0	7.0	6.7	8.2	9	7	821329	806843
						1.0	0.4	241	18.6		8.2		32.4		90.4		7.0		6.8		8			
					Middle	4.0	0.4	218	18.6	18.6	8.2	8.2	32.4	32.4	90.4	90.4	7.0		8.4		8			
						4.0	0.4	229	18.6		8.2		32.4		90.4		7.0		8.6		7			
					Bottom	7.0	0.3	213	18.6	18.5	8.1	8.1	32.4	32.4	90.4	90.4	7.0	7.0	9.3		6			
						7.0	0.3	219	18.4		8.1		32.4		90.4		7.0		9.3		6			
IM8	Fine	Calm	12:12	8.0	Surface	1.0	0.2	49	18.5	18.5	8.2	8.2	32.7	32.7	92.2	92.3	7.1	7.2	3.0	4.4	10	10	821834	808125
						1.0	0.2	50	18.5		8.2		32.7		92.3		7.1		3.1		9			
					Middle	4.0	0.2	59	18.5	18.5	8.2	8.2	32.8	32.8	93.6	93.7	7.2		4.5		9			
						4.0	0.2	64	18.5		8.2		32.8		93.8		7.2		4.4		9			
					Bottom	7.0	0.3	74	18.4	18.5	8.2	8.2	32.8	32.8	94.8	95.0	7.3	7.4	5.7		10			
						7.0	0.3	80	18.5		8.2		32.8		95.2		7.4		5.6		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 01 January 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM9	Fine	Calm	12:06	7.4	Surface	1.0	0.3	57	18.3	18.3	8.2	8.2	32.9	32.9	94.4	94.6	7.3	7.4	5.0	6.4	14	12	822085	808826
						1.0	0.3	60	18.3		8.2		33.0		94.7		7.3		5.1		15			
					Middle	3.7	0.4	65	18.0	18.0	8.2	8.2	33.2	33.2	95.7	95.8	7.4		6.7		12			
						3.7	0.4	68	17.9		8.2		33.3		95.9		7.5		6.9		13			
					Bottom	6.4	0.3	65	17.6	17.6	8.2	8.2	33.5	33.6	97.4	97.6	7.6	7.6	7.3		10			
						6.4	0.3	67	17.5		8.2		33.6		97.8		7.6		7.4		9			
IM10	Fine	Calm	12:00	8.2	Surface	1.0	0.5	74	18.5	18.5	8.2	8.2	33.0	33.0	92.1	92.2	7.1	7.2	7.2	8.2	11	11	822400	809787
						1.0	0.5	74	18.5		8.2		33.0		92.3		7.1		7.1		10			
					Middle	4.1	0.5	77	18.5	18.5	8.2	8.2	33.0	33.0	93.4	93.6	7.2		8.5		12			
						4.1	0.5	83	18.5		8.2		33.0		93.7		7.2		8.5		11			
					Bottom	7.2	0.4	91	18.5	18.5	8.2	8.2	33.0	33.0	95.4	95.6	7.3	7.4	9.0		11			
						7.2	0.4	95	18.5		8.2		33.0		95.8		7.4		9.1		12			
IM11	Fine	Calm	11:51	7.2	Surface	1.0	0.1	127	18.6	18.6	8.2	8.2	33.1	33.1	92.3	92.4	7.1	7.2	5.2	6.6	10	10	822055	811448
						1.0	0.1	136	18.6		8.2		33.1		92.4		7.1		5.2		9			
					Middle	3.6	0.2	127	18.5	18.5	8.2	8.2	33.0	33.0	94.1	94.2	7.2		6.9		10			
						3.6	0.2	137	18.5		8.2		33.0		94.2		7.3		6.8		11			
					Bottom	6.2	0.1	105	18.5	18.5	8.2	8.2	33.0	33.0	95.6	95.8	7.4	7.4	7.7		11			
						6.2	0.1	114	18.5		8.2		33.0		95.9		7.4		7.7		10			
IM12	Fine	Calm	11:45	9.4	Surface	1.0	0.1	133	18.6	18.6	8.2	8.2	33.1	33.1	91.7	91.8	7.0	7.1	7.0	8.1	11	11	821452	812067
						1.0	0.1	139	18.6		8.2		33.1		91.8		7.1		7.1		10			
					Middle	4.7	0.2	120	18.6	18.6	8.2	8.2	33.1	33.1	92.9	93.0	7.1		8.1		10			
						4.7	0.2	129	18.6		8.2		33.1		93.1		7.2		8.2		11			
					Bottom	8.4	0.2	111	18.6	18.6	8.2	8.2	33.1	33.1	95.8	95.9	7.4	7.4	9.0		12			
						8.4	0.2	116	18.6		8.2		33.1		96.0		7.4		9.1		12			
SR1A	Fine	Calm	11:22	5.0	Surface	1.0	-	-	18.6	18.6	8.2	8.2	33.0	33.0	91.5	91.7	7.0	7.1	1.1	2.0	8	9	819975	812654
						1.0	-	-	18.6		8.2		33.0		91.9		7.1		1.1		7			
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-			
						2.5	-	-	-		-		-		-		-		-		-			
					Bottom	4.0	-	-	18.6	18.6	8.2	8.2	33.0	33.0	93.6	93.8	7.2	7.2	2.9		10			
						4.0	-	-	18.6		8.2		33.0		93.9		7.2		2.9		9			
SR2	Fine	Calm	11:10	4.6	Surface	1.0	0.2	29	18.6	18.6	8.2	8.2	33.1	33.1	96.5	96.5	7.4	7.4	7.9	8.4	5	5	821445	814168
						1.0	0.2	30	18.6		8.2		33.1		96.5		7.4		7.9		5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.6	0.2	18	18.6	18.6	8.2	8.2	33.1	33.1	99.0	99.2	7.6	7.6	9.0		5			
						3.6	0.2	19	18.6		8.2		33.1		99.3		7.6		8.9		6			
SR3	Fine	Calm	12:17	9.2	Surface	1.0	0.4	73	18.6	18.6	8.2	8.2	32.4	32.4	91.3	91.3	7.0	7.1	3.9	5.7	6	6	822153	807584
						1.0	0.4	75	18.6		8.2		32.4		91.3		7.1		4.0		7			
					Middle	4.6	0.4	77	18.5	18.5	8.2	8.1	32.5	32.5	92.8	92.9	7.2		5.9		6			
						4.6	0.4	77	18.5		8.1		32.5		93.0		7.2		6.0		5			
					Bottom	8.2	0.3	64	18.5	18.5	8.1	8.1	32.5	32.5	94.7	94.9	7.3	7.3	7.2		5			
						8.2	0.3	68	18.5		8.1		32.5		95.0		7.3		7.2		5			
SR4A	Fine	Calm	11:21	8.8	Surface	1.0	0.4	76	18.1	18.4	8.2	8.2	32.4	32.4	90.9	90.9	7.0	7.0	5.1	5.9	8	7	817165	807795
						1.0	0.4	76	18.6		8.2		32.4		90.9		7.0		5.1		7			
					Middle	4.4	0.4	79	18.6	18.6	8.2	8.2	32.4	32.4	91.0	91.1	7.0		5.9		8			
						4.4	0.4	83	18.6		8.2		32.4		91.1		7.0		5.9		7			
					Bottom	7.8	0.4	101	18.6	18.6	8.2	8.2	32.4	32.3	91.2	91.3	7.0	7.0	6.8		7			
						7.8	0.4	106	18.6		8.2		32.3		91.3		7.0		6.9		6			
SR5A	Fine	Calm	11:05	5.0	Surface	1.0	0.3	111	18.6	18.4	8.2	8.2	32.3	32.3	91.8	91.9	7.1	7.1	4.9	5.6	7	7	816597	810691
						1.0	0.3	119	18.2		8.2		32.3		91.9		7.1		5.0		6			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.0	0.2	137	18.2	18.4	8.2	8.1	32.3	32.3	92.3	92.4	7.1	7.1	6.3		8			
						4.0	0.2	138	18.6		8.1		32.3		92.4		7.1		6.3		7			
SR6A	Fine	Calm	10:18	4.7	Surface	1.0	0.3	146	18.6	18.4	8.2	8.1	32.3	32.3	93.0	93.1	7.2	7.2	7.0	7.5	8	7	817971	814738
						1.0	0.3	155	18.1		8.1		32.3		93.1		7.2		7.2		7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.7	0.2	149	18.1	18.1	8.1	8.1	32.4	32.4	93.5	93.7	7.2	7.3	7.9		6			
						3.7	0.2	155	18.1		8.2		32.5		93.8		7.3		7.9		7			
SR7	Fine	Calm	10:22	16.0	Surface	1.0	0.5	99	19.2	19.2	8.0	8.0	33.2	33.2	86.8	86.9	6.6	6.6	2.1	3.0	7	7	823626	823743
						1.0	0.6	108	19.2		8.0		33.2		86.9		6.6		2.1		7			
					Middle	8.0	0.4	99	19.2	19.2	8.0	8.0	33.2	33.2	87.4	87.5	6.6		3.1		7			
						8.0	0.4	104	19.2		8.0		33.2		87.5		6.6		3.1		6			
					Bottom	15.0	0.3	86	19.2	19.2	7.9	7.9	33.2	33.2	88.3	88.5	6.7	6.7	3.9		6			
						15.0	0.3	90	19.2		7.9		33.2		88.6		6.7		3.9		7			
SR8	Fine	Calm	11:32	5.0	Surface	1.0	-	-	18.6	18.6	8.2	8.2	33.0	33.0	88.4	88.4	6.8	6.8	5.3	6.5	8	7	820401	811639
						1.0	-	-	18.6		8.2		33.0		88.4		6.8		5.2		9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.0	-	-	18.6	18.6	8.2	8.2	33.0	33.0	88.8	88.9	6.8	6.8	7.7		6			
						4.0	-	-	18.6		8.2		33.0		88.9		6.8		7.8		5			

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 January 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Misty	Moderate	16:20	7.8	Surface	1.0	0.4	31	18.5	18.5	8.2	8.2	32.4	32.4	90.6	90.7	7.0	7.0	7.8	9.1	6	7	815631	804267
						1.0	0.4	33	18.5		8.2		32.4		90.7		7.0		7.8		6			
					Middle	3.9	0.4	27	18.6	18.6	8.2	8.2	32.4	32.4	90.7	90.7	7.0		9.3		7			
						3.9	0.4	27	18.6		8.2		32.4		90.7		7.0		9.3		8			
					Bottom	6.8	0.5	18	18.6	18.6	8.2	8.2	32.4	32.4	90.8	90.8	7.0	7.0	10.1		7			
						6.8	0.5	18	18.6		8.2		32.4		90.8		7.0		10.1		8			
C2	Fine	Calm	15:21	12.0	Surface	1.0	0.2	5	18.5	18.5	8.2	8.2	32.5	32.5	93.0	93.1	7.2	7.2	4.2	5.8	7	7	825695	806932
						1.0	0.2	5	18.5		8.2		32.6		93.1		7.2		4.3		6			
					Middle	6.0	0.3	14	18.5	18.5	8.2	8.2	33.0	33.0	93.8	93.8	7.2		6.2		6			
						6.0	0.3	14	18.5		8.2		33.0		93.8		7.2		6.4		7			
					Bottom	11.0	0.4	32	18.4	18.4	8.3	8.3	33.1	33.1	94.3	94.4	7.3	7.3	7.0		6			
						11.0	0.4	34	18.4		8.3		33.1		94.4		7.3		7.1		7			
C3	Fine	Calm	16:57	11.2	Surface	1.0	0.3	299	19.1	19.1	8.2	8.2	33.2	33.2	93.1	93.2	7.1	7.2	1.5	2.4	6	6	822111	817791
						1.0	0.4	320	19.1		8.2		33.2		93.3		7.1		1.5		5			
					Middle	5.6	0.4	300	19.1	19.1	8.2	8.2	33.2	33.2	95.3	95.5	7.3		2.2		6			
						5.6	0.4	317	19.1		8.2		33.2		95.6		7.3		2.2		5			
					Bottom	10.2	0.4	294	19.1	19.1	8.2	8.2	33.1	33.1	96.3	96.6	7.3	7.4	3.7		6			
						10.2	0.4	302	19.1		8.2		33.1		96.8		7.4		3.7		5			
IM1	Misty	Moderate	16:00	4.6	Surface	1.0	0.1	37	18.1	18.1	8.2	8.2	32.4	32.4	90.8	90.8	7.0	7.0	5.9	6.7	7	8	817956	807134
						1.0	0.1	37	18.1		8.2		32.4		90.8		7.0		6.0		8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.6	0.1	58	18.5	18.5	8.2	8.2	32.5	32.5	90.7	90.7	7.0	7.0	7.6		8			
						3.6	0.1	59	18.5		8.2		32.5		90.6		7.0		7.5		7			
IM2	Misty	Moderate	15:54	6.6	Surface	1.0	0.2	45	18.5	18.5	8.2	8.2	32.6	32.6	90.5	90.5	7.0	7.0	8.8	9.8	8	7	818150	806178
						1.0	0.2	45	18.4		8.2		32.6		90.5		7.0		8.8		8			
					Middle	3.3	0.2	33	18.5	18.5	8.1	8.1	32.5	32.5	90.5	90.6	7.0		9.9		7			
						3.3	0.2	33	18.5		8.1		32.5		90.6		7.0		9.9		6			
					Bottom	5.6	0.2	40	18.5	18.5	8.1	8.2	32.5	32.5	90.7	90.7	7.0	7.0	10.8		5			
						5.6	0.2	43	18.5		8.2		32.5		90.7		7.0		10.8		6			
IM3	Misty	Moderate	15:48	6.8	Surface	1.0	0.2	47	18.5	18.5	8.2	8.2	32.4	32.4	90.7	90.7	7.0	7.0	5.8	7.1	8	8	818782	805614
						1.0	0.2	51	18.5		8.2		32.4		90.6		7.0		5.8		9			
					Middle	3.4	0.2	39	18.5	18.5	8.2	8.2	32.4	32.4	90.7	90.7	7.0		7.2		8			
						3.4	0.2	41	18.5		8.2		32.4		90.7		7.0		7.2		9			
					Bottom	5.8	0.2	40	18.6	18.6	8.2	8.2	32.4	32.4	90.7	90.8	7.0	7.0	8.3		8			
						5.8	0.2	42	18.6		8.2		32.4		90.8		7.0		8.3		7			
IM4	Misty	Moderate	15:39	8.4	Surface	1.0	0.3	45	18.5	18.5	8.2	8.2	32.5	32.5	90.8	90.8	7.0	7.0	8.8	9.9	8	8	819737	804587
						1.0	0.3	49	18.5		8.1		32.5		90.8		7.0		8.8		9			
					Middle	4.2	0.3	49	18.5	18.5	8.2	8.2	32.5	32.4	90.8	90.9	7.0		10.2		8			
						4.2	0.3	53	18.5		8.1		32.4		90.9		7.0		10.2		9			
					Bottom	7.4	0.3	47	18.5	18.5	8.2	8.2	32.4	32.4	91.0	91.1	7.0	7.0	10.8		7			
						7.4	0.3	50	18.5		8.2		32.4		91.1		7.0		10.8		7			
IM5	Misty	Moderate	15:32	8.0	Surface	1.0	0.3	52	18.1	18.1	8.2	8.2	32.4	32.4	91.3	91.3	7.1	7.1	8.8	10.0	11	9	820724	804865
						1.0	0.3	52	18.1		8.2		32.4		91.3		7.1		8.8		10			
					Middle	4.0	0.3	56	18.1	18.1	8.2	8.2	32.4	32.4	91.4	91.4	7.1		10.2		8			
						4.0	0.3	59	18.1		8.2		32.5		91.4		7.1		10.2		9			
					Bottom	7.0	0.3	60	18.1	18.1	8.1	8.2	32.5	32.5	91.4	91.4	7.1	7.1	10.8		8			
						7.0	0.3	64	18.1		8.2		32.5		91.4		7.1		10.8		9			
IM6	Misty	Moderate	15:25	7.0	Surface	1.0	0.4	38	18.5	18.5	8.2	8.2	32.5	32.5	91.7	91.7	7.1	7.1	4.2	5.2	10	9	821039	805820
						1.0	0.4	40	18.5		8.2		32.5		91.7		7.1		4.2		11			
					Middle	3.5	0.3	41	18.5	18.5	8.2	8.2	32.5	32.4	92.0	92.1	7.1		5.1		9			
						3.5	0.3	44	18.5		8.2		32.4		92.1		7.1		5.2		8			
					Bottom	6.0	0.3	48	18.5	18.5	8.2	8.2	32.4	32.4	92.3	92.4	7.1	7.1	6.2		8			
						6.0	0.3	48	18.5		8.2		32.4		92.5		7.1		6.3		9			
IM7	Misty	Moderate	15:19	8.2	Surface	1.0	0.4	34	18.4	18.4	8.2	8.2	32.5	32.5	93.7	93.7	7.3	7.4	6.7	7.3	9	15	821348	806833
						1.0	0.4	35	18.3		8.2		32.5		93.7		7.3		6.7		8			
					Middle	4.1	0.3	35	18.3	18.3	8.2	8.2	32.6	32.6	94.7	96.5	7.3		7.1		8			
						4.1	0.3	36	18.3		8.1		32.6		98.2		7.6		7.2		9			
					Bottom	7.2	0.4	42	18.2	18.2	8.1	8.1	32.7	32.6	98.6	98.7	7.6	7.7	7.9		28			
						7.2	0.4	42	18.2		8.1		32.6		98.7		7.7		8.0		27			
IM8	Fine	Calm	15:39	7.8	Surface	1.0	0.2	43	18.6	18.6	8.2	8.2	32.6	32.6	92.2	92.3	7.1	7.2	4.2	5.4	10	9	821832	808133
						1.0	0.2	43	18.5		8.2		32.6		92.3		7.1		4.2		9			
					Middle	3.9	0.2	30	18.4	18.4	8.2	8.2	33.0	33.0	94.4	94.5	7.3		5.7		9			
						3.9	0.2	30	18.4		8.2		33.0		94.5		7.3		5.8		9			
					Bottom	6.8	0.0	354	18.2	18.2	8.2	8.2	33.2	33.2	95.7	95.8	7.4	7.4	6.2		8			
						6.8	0.0	326	18.2		8.2		33.2		95.9		7.4		6.2		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 01 January 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM9	Fine	Calm	15:45	7.4	Surface	1.0	0.1	59	18.5	18.5	8.2	8.2	32.7	32.7	90.9	91.0	7.0	7.1	4.0	5.0	9	16	822109	808790
						1.0	0.1	62	18.5		8.2		32.7		91.1		7.0		4.1		10			
					Middle	3.7	0.1	2	18.4	18.4	8.2	8.2	32.8	32.8	92.5	92.6	7.1		5.1		18			
						3.7	0.1	2	18.4		8.2		32.8		92.6		7.1		5.1		19			
					Bottom	6.4	0.1	52	18.3	18.3	8.2	8.2	33.0	33.0	93.7	93.7	7.2	7.3	6.0		19			
						6.4	0.1	53	18.2		8.2		33.0		93.7		7.3		5.9		19			
IM10	Fine	Calm	15:51	7.8	Surface	1.0	0.4	319	18.5	18.5	8.2	8.2	32.7	32.7	91.3	91.3	7.0	7.0	4.5	5.4	14	15	822386	809810
						1.0	0.4	350	18.5		8.2		32.8		91.3		7.0		4.6		13			
					Middle	3.9	0.4	318	18.4	18.4	8.2	8.2	32.8	32.8	91.3	91.4	7.0		5.3		15			
						3.9	0.4	339	18.4		8.2		32.8		91.4		7.1		5.4		16			
					Bottom	6.8	0.3	315	18.4	18.4	8.2	8.2	32.9	32.9	92.7	92.8	7.2	7.2	6.3		17			
						6.8	0.4	323	18.4		8.2		32.9		92.9		7.2		6.3		17			
IM11	Fine	Calm	16:00	8.8	Surface	1.0	0.2	298	18.8	18.8	8.2	8.2	33.1	33.1	92.1	92.2	7.1	7.2	3.0	4.4	19	17	822066	811439
						1.0	0.2	302	18.8		8.2		33.1		92.2		7.1		3.1		18			
					Middle	4.4	0.2	291	18.8	18.8	8.2	8.2	33.1	33.1	93.5	93.6	7.2		4.3		14			
						4.4	0.3	306	18.8		8.2		33.1		93.6		7.2		4.4		13			
					Bottom	7.8	0.3	302	18.7	18.7	8.1	8.1	33.1	33.1	94.7	94.8	7.3	7.3	5.7		18			
						7.8	0.3	310	18.7		8.1		33.1		94.9		7.3		5.8		18			
IM12	Fine	Calm	16:05	9.4	Surface	1.0	0.4	253	18.8	18.8	8.2	8.2	33.1	33.1	91.3	91.4	7.0	7.1	5.8	7.1	16	16	821436	812050
						1.0	0.4	264	18.8		8.2		33.1		91.4		7.0		6.0		17			
					Middle	4.7	0.3	247	18.7	18.7	8.2	8.2	33.1	33.1	92.8	92.9	7.1		7.3		16			
						4.7	0.4	247	18.7		8.2		33.1		93.0		7.1		7.3		15			
					Bottom	8.4	0.3	253	18.7	18.7	8.2	8.2	33.1	33.1	95.4	95.6	7.3	7.3	8.0		15			
						8.4	0.4	264	18.7		8.2		33.1		95.8		7.3		8.0		15			
SR1A	Fine	Calm	16:22	5.3	Surface	1.0	-	-	18.8	18.8	8.2	8.2	33.0	33.0	92.6	92.6	7.1	7.1	4.5	4.9	15	21	819971	812655
						1.0	-	-	18.8		8.2		33.0		92.6		7.1		4.5		22			
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-			
						2.7	-	-	-		-		-		-		-		-		-			
					Bottom	4.3	-	-	18.8	18.8	8.2	8.2	33.0	33.0	93.4	93.5	7.2	7.2	5.3		22			
						4.3	-	-	18.8		8.2		33.0		93.6		7.2		5.3		23			
SR2	Fine	Calm	16:38	5.0	Surface	1.0	0.4	323	18.6	18.6	8.2	8.2	33.0	33.0	94.8	94.9	7.3	7.3	3.9	4.1	15	15	821446	814173
						1.0	0.4	347	18.6		8.2		33.1		94.9		7.3		3.4		16			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.0	0.4	320	18.1	18.1	8.2	8.2	33.4	33.4	97.6	97.9	7.6	7.6	4.6		14			
						4.0	0.4	341	18.0		8.2		33.5		98.1		7.6		4.5		15			
SR3	Fine	Calm	15:35	8.8	Surface	1.0	0.1	35	18.4	18.4	8.2	8.2	32.8	32.8	93.0	93.0	7.2	7.2	7.0	8.2	19	19	822150	807573
						1.0	0.1	35	18.4		8.2		32.8		93.0		7.2		7.1		24			
					Middle	4.4	0.1	27	18.3	18.3	8.2	8.2	33.0	33.0	93.8	93.9	7.2		8.5		28			
						4.4	0.1	29	18.3		8.2		33.0		93.9		7.3		8.4		17			
					Bottom	7.8	0.2	39	18.3	18.3	8.2	8.2	33.0	33.0	95.4	95.5	7.4	7.4	9.2		12			
						7.8	0.2	40	18.3		8.2		33.0		95.6		7.4		9.1		15			
SR4A	Misty	Moderate	16:38	9.6	Surface	1.0	0.4	222	18.5	18.5	8.2	8.2	32.4	32.4	90.6	90.6	7.0	7.0	8.0	9.3	31	16	817201	807810
						1.0	0.4	228	18.5		8.2		32.4		90.6		7.0		8.1		9			
					Middle	4.8	0.3	198	18.5	18.5	8.2	8.2	32.4	32.4	90.6	90.6	7.0		9.0		8			
						4.8	0.3	213	18.5		8.2		32.4		90.6		7.0		9.1		9			
					Bottom	8.6	0.3	213	18.5	18.5	8.2	8.2	32.4	32.4	90.6	90.6	7.0	7.0	10.7		8			
						8.6	0.3	226	18.5		8.2		32.4		90.6		7.0		10.6		31			
SR5A	Misty	Moderate	16:53	4.6	Surface	1.0	0.3	219	18.2	18.2	8.2	8.2	32.4	32.4	90.6	90.7	7.0	7.0	7.8	8.7	17	15	816571	810676
						1.0	0.3	240	18.2		8.2		32.4		90.7		7.0		7.9		25			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.6	0.2	200	18.2	18.4	8.2	8.2	32.4	32.4	90.7	90.7	7.0	7.0	9.5		9			
						3.6	0.2	207	18.5		8.2		32.4		90.6		7.0		9.6		8			
SR6A	Misty	Moderate	17:22	4.0	Surface	1.0	0.2	209	18.6	18.6	8.2	8.2	32.4	32.4	90.6	90.6	7.0	7.0	5.9	6.6	6	13	817964	814736
						1.0	0.2	215	18.6		8.2		32.4		90.6		7.0		5.9		7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.0	0.1	199	18.6	18.6	8.2	8.2	32.4	32.4	90.6	90.6	7.0	7.0	7.3		18			
						3.0	0.1	216	18.5		8.2		32.4		90.6		7.0		7.3		19			
SR7	Fine	Calm	17:27	16.0	Surface	1.0	0.1	31	19.2	19.2	8.2	8.2	33.2	33.2	89.5	89.6	6.8	6.9	1.0	1.5	12	14	823631	823748
						1.0	0.1	32	19.1		8.2		33.2		89.6		6.8		1.1		17			
					Middle	8.0	0.1	52	19.2	19.2	8.2	8.2	33.2	33.2	90.4	90.6	6.9		1.2		24			
						8.0	0.1	52	19.2		8.2		33.2		90.7		6.9		1.3		22			
					Bottom	15.0	0.1	65	19.2	19.2	8.2	8.2	33.2	33.2	91.1	91.3	6.9	6.9	2.2		5			
						15.0	0.1	69	19.2		8.2		33.2		91.4		6.9		2.2		5			
SR8	Fine	Calm	16:11	4.6	Surface	1.0	-	-	18.8	18.8	8.2	8.2	33.0	33.0	95.0	95.1	7.3	7.3	3.5	4.1	7	7	820413	811627
						1.0	-	-	18.7		8.2		33.0		95.1		7.3		3.5		8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.6	-	-	18.7	18.7	8.2	8.2	32.9	32.9	96.5	96.7	7.4	7.4	4.9		6			
						3.6	-	-	18.7		8.2		32.9		96.8		7.4		4.7		7			

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 January 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Calm	13:57	8.2	Surface	1.0	0.3	233	19.9	19.9	8.2	8.2	33.5	33.5	101.7	101.7	7.6	7.6	7.2	8.5	24	29	815632	804264
						1.0	0.3	240	19.9		8.2		33.5		101.7		7.6		7.1		25			
					Middle	4.1	0.3	228	19.9	19.9	8.1	8.1	33.5	33.5	101.8	101.8	7.6		8.7		31			
						4.1	0.3	231	19.9		8.1		33.5		101.8		7.6		8.8		32			
					Bottom	7.2	0.3	218	20.2	20.3	8.1	8.1	33.2	33.2	102.6	102.7	7.6	7.7	9.6		31			
						7.2	0.3	219	20.3		8.1		33.2		102.8		7.7		9.6		32			
C2	Fine	Moderate	12:45	12.0	Surface	1.0	0.2	134	19.1	19.1	8.2	8.2	31.4	31.4	91.6	91.6	7.0	7.0	5.4	7.9	9	8	825699	806930
						1.0	0.2	136	19.1		8.2		31.4		91.6		7.0		5.5		8			
					Middle	6.0	0.3	133	19.2	19.2	8.2	8.2	31.6	31.6	91.6	91.6	7.0		6.6		8			
						6.0	0.3	133	19.2		8.2		31.6		91.6		7.0		6.6		9			
					Bottom	11.0	0.4	123	18.9	18.9	8.2	8.2	32.0	32.0	90.2	90.2	6.9	6.9	11.8		8			
						11.0	0.4	126	18.9		8.2		32.0		90.2		6.9		11.8		7			
C3	Fine	Moderate	14:51	12.5	Surface	1.0	0.3	71	19.1	19.1	8.2	8.2	32.4	32.4	89.5	89.5	6.8	6.8	4.7	4.7	8	9	822128	817810
						1.0	0.3	72	19.1		8.2		32.4		89.4		6.8		4.6		9			
					Middle	6.3	0.3	81	19.1	19.1	8.2	8.2	32.5	32.5	88.2	88.2	6.7		4.5		9			
						6.3	0.3	88	19.1		8.2		32.5		88.2		6.7		4.5		10			
					Bottom	11.5	0.3	82	19.1	19.1	8.2	8.2	32.6	32.6	89.1	89.1	6.8	6.8	4.9		10			
						11.5	0.3	83	19.1		8.2		32.6		89.1		6.8		5.0		9			
IM1	Fine	Calm	13:37	4.8	Surface	1.0	0.1	201	19.7	19.7	8.1	8.1	33.1	33.1	102.3	102.3	7.7	7.7	9.4	9.7	8	9	817964	807153
						1.0	0.1	211	19.7		8.1		33.0		102.3		7.7		9.5		9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.8	0.1	199	19.6	19.6	8.1	8.1	33.0	33.0	103.4	103.6	7.8	7.8	10.0		8			
						3.8	0.1	217	19.6		8.1		33.0		103.7		7.8		10.0		9			
IM2	Fine	Calm	13:31	6.6	Surface	1.0	0.2	198	19.8	19.8	8.1	8.1	32.8	32.8	101.5	101.5	7.6	7.7	5.0	6.3	30	32	818157	806146
						1.0	0.2	211	19.7		8.1		32.8		101.5		7.6		5.1		31			
					Middle	3.3	0.2	213	19.5	19.5	8.1	8.1	32.9	32.9	101.5	101.6	7.7		6.5		31			
						3.3	0.2	213	19.5		8.1		32.9		101.7		7.7		6.5		32			
					Bottom	5.6	0.1	220	19.5	19.5	8.1	8.1	32.9	32.9	102.8	103.0	7.8	7.8	7.4		32			
						5.6	0.1	230	19.5		8.1		32.9		103.2		7.8		7.5		33			
IM3	Fine	Calm	13:24	6.8	Surface	1.0	0.3	199	19.6	19.6	8.1	8.1	32.9	32.9	99.7	99.7	7.5	7.5	5.4	6.6	36	35	818796	805581
						1.0	0.3	208	19.6		8.1		32.9		99.6		7.5		5.5		38			
					Middle	3.4	0.3	201	19.6	19.6	8.1	8.1	32.9	32.9	99.8	99.9	7.5		6.4		34			
						3.4	0.3	215	19.6		8.1		32.9		99.9		7.6		6.4		34			
					Bottom	5.8	0.3	206	19.6	19.6	8.1	8.1	32.9	32.9	102.0	102.1	7.7	7.7	8.0		34			
						5.8	0.3	218	19.6		8.1		32.9		102.2		7.7		7.9		33			
IM4	Fine	Calm	13:16	8.6	Surface	1.0	0.3	213	19.7	19.7	8.1	8.1	32.8	32.8	101.1	101.1	7.6	7.6	7.4	8.4	31	28	819719	804596
						1.0	0.3	220	19.7		8.1		32.8		101.0		7.6		7.5		30			
					Middle	4.3	0.3	214	19.6	19.7	8.1	8.1	32.9	32.9	100.9	101.0	7.6		8.5		27			
						4.3	0.3	220	19.7		8.1		32.8		101.0		7.6		8.4		28			
					Bottom	7.6	0.3	226	20.1	20.2	8.1	8.1	32.5	32.4	101.8	101.9	7.6	7.6	9.3		25			
						7.6	0.3	230	20.2		8.1		32.4		102.0		7.6		9.4		26			
IM5	Fine	Calm	13:08	7.0	Surface	1.0	0.3	225	19.6	19.6	8.1	8.1	32.7	32.7	99.1	99.1	7.5	7.5	8.2	9.2	31	31	820743	804882
						1.0	0.3	227	19.6		8.1		32.8		99.0		7.5		8.2		32			
					Middle	3.5	0.3	231	19.6	19.6	8.1	8.1	32.8	32.8	99.0	99.0	7.5		9.2		30			
						3.5	0.3	240	19.6		8.1		32.8		99.0		7.5		9.3		30			
					Bottom	6.0	0.3	228	19.5	19.5	8.1	8.1	32.8	32.8	99.9	100.0	7.6	7.6	10.1		30			
						6.0	0.3	247	19.5		8.1		32.8		100.0		7.6		10.0		30			
IM6	Fine	Calm	13:02	7.0	Surface	1.0	0.3	230	19.7	19.7	8.1	8.1	32.9	32.9	100.3	100.4	7.6	7.6	7.4	8.4	20	20	821047	805810
						1.0	0.3	231	19.7		8.1		32.9		100.4		7.6		7.3		19			
					Middle	3.5	0.3	238	19.7	19.7	8.1	8.1	32.9	32.9	100.8	100.8	7.6		8.4		19			
						3.5	0.3	254	19.7		8.1		32.9		100.8		7.6		8.5		20			
					Bottom	6.0	0.4	240	20.0	20.1	8.1	8.1	32.7	32.7	101.4	101.5	7.6	7.6	9.4		22			
						6.0	0.4	249	20.1		8.1		32.7		101.6		7.6		9.5		22			
IM7	Fine	Calm	12:54	8.4	Surface	1.0	0.4	241	19.8	19.8	8.1	8.1	33.0	33.0	99.6	99.6	7.5	7.5	7.0	8.5	17	18	821346	806849
						1.0	0.4	242	19.8		8.1		33.0		99.5		7.5		7.1		16			
					Middle	4.2	0.3	246	19.7	19.7	8.1	8.1	33.0	33.0	99.4	99.5	7.5		8.8		16			
						4.2	0.3	267	19.7		8.1		33.0		99.5		7.5		8.7		17			
					Bottom	7.4	0.4	246	19.8	19.9	8.1	8.1	33.0	32.9	101.0	101.1	7.6	7.6	9.6		21			
						7.4	0.4	270	19.9		8.1		32.9		101.2		7.6		9.6		22			
IM8	Fine	Rough	13:13	7.8	Surface	1.0	0.2	50	19.1	19.1	8.2	8.2	31.8	31.8	92.2	92.2	7.1	7.1	6.8	12.4	12	11	821816	808117
						1.0	0.2	52	19.1		8.2		31.8		92.1		7.1		6.9		11			
					Middle	3.9	0.3	62	19.1	19.1	8.2	8.2	32.0	32.0	91.5	91.5	7.0		10.5		11			
						3.9	0.3	64	19.1		8.2		32.0		91.4		7.0		10.9		12			
					Bottom	6.8	0.4	70	19.0	19.0	8.2	8.2	32.2	32.2	90.7	90.8	7.0	7.0	19.5		10			
						6.8	0.4	72	19.0		8.2		32.2		90.8		7.0		19.6		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 04 January 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM9	Fine	Rough	13:19	7.5	Surface	1.0	0.3	49	19.0	19.0	8.2	8.2	31.8	31.8	90.8	90.8	7.0	7.0	7.1	11.8	12	12	822097	808807
						1.0	0.3	52	19.0		8.2		31.8		90.8		7.0		7.1		11			
					Middle	3.8	0.3	54	19.0	19.0	8.2	8.2	32.0	32.0	91.0	91.0	7.0		10.9		11			
						3.8	0.3	58	19.0		8.2		32.0		91.0		7.0		11.3		12			
					Bottom	6.5	0.3	69	19.0	19.0	8.2	8.2	32.1	32.1	91.5	91.5	7.0	7.0	17.5		13			
						6.5	0.3	69	19.0		8.2		32.1		91.5		7.0		16.9		14			
IM10	Fine	Rough	13:26	7.2	Surface	1.0	0.3	113	19.0	19.0	8.2	8.2	31.7	31.7	91.5	91.5	7.0	7.0	5.8	6.6	12	12	822406	809775
						1.0	0.3	124	19.0		8.2		31.7		91.5		7.0		5.8		12			
					Middle	3.6	0.3	112	18.8	18.8	8.2	8.2	31.8	31.8	89.5	89.5	6.9		7.2		11			
						3.6	0.3	119	18.8		8.2		31.8		89.5		6.9		7.1		12			
					Bottom	6.2	0.2	120	18.8	18.8	8.2	8.2	32.0	32.0	90.5	90.6	7.0	7.0	6.8		12			
						6.2	0.2	131	18.8		8.2		32.0		90.6		7.0		6.7		11			
IM11	Fine	Moderate	13:36	8.6	Surface	1.0	0.2	61	19.0	19.0	8.2	8.2	32.3	32.3	91.0	91.0	7.0	7.0	7.4	8.0	13	13	822076	811437
						1.0	0.2	61	19.0		8.2		32.3		91.0		7.0		7.5		13			
					Middle	4.3	0.2	53	19.0	19.0	8.2	8.2	32.3	32.3	90.8	90.8	7.0		7.5		12			
						4.3	0.2	58	19.0		8.2		32.3		90.7		7.0		7.5		13			
					Bottom	7.6	0.2	46	19.0	19.0	8.2	8.2	32.2	32.2	90.7	90.7	7.0	7.0	9.1		13			
						7.6	0.2	46	19.0		8.2		32.2		90.7		7.0		9.1		12			
IM12	Fine	Moderate	13:46	9.2	Surface	1.0	0.1	303	19.0	19.0	8.2	8.2	32.3	32.3	90.8	90.8	7.0	7.0	6.8	7.6	12	12	821442	812057
						1.0	0.1	314	19.0		8.2		32.3		90.8		7.0		6.8		13			
					Middle	4.6	0.0	126	19.0	19.0	8.2	8.2	32.3	32.3	90.6	90.6	6.9		6.8		12			
						4.6	0.0	134	19.0		8.2		32.3		90.6		6.9		6.9		13			
					Bottom	8.2	0.1	68	18.9	18.9	8.2	8.2	32.2	32.2	90.5	90.5	6.9	6.9	9.1		10			
						8.2	0.1	74	18.9		8.2		32.2		90.5		6.9		9.0		11			
SR1A	Fine	Moderate	14:18	5.2	Surface	1.0	-	-	19.0	19.0	8.2	8.2	32.2	32.2	90.3	90.3	6.9	6.9	7.2	7.9	8	9	819976	812665
						1.0	-	-	19.0		8.2		32.2		90.3		6.9		7.2		9			
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-			
						2.6	-	-	-		-		-		-		-		-		-			
					Bottom	4.2	-	-	18.9	18.9	8.2	8.2	32.3	32.3	90.1	90.1	6.9	6.9	8.6		9			
						4.2	-	-	18.9		8.2		32.3		90.1		6.9		8.5		10			
SR2	Fine	Moderate	14:31	4.9	Surface	1.0	0.1	97	19.0	19.0	8.2	8.2	32.3	32.3	90.9	90.9	7.0	7.0	5.3	5.4	11	11	821454	814171
						1.0	0.1	98	19.0		8.2		32.3		90.8		7.0		5.3		12			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.9	0.1	95	19.0	19.0	8.2	8.2	32.3	32.3	91.1	91.1	7.0	7.0	5.6		10			
						3.9	0.2	96	19.0		8.2		32.3		91.1		7.0		5.6		11			
SR3	Fine	Rough	13:05	8.9	Surface	1.0	0.3	141	19.1	19.1	8.2	8.2	31.6	31.6	91.8	91.8	7.1	7.0	6.8	11.0	12	12	822145	807561
						1.0	0.3	149	19.1		8.2		31.6		91.7		7.0		7.1		13			
					Middle	4.5	0.3	125	19.0	19.0	8.2	8.2	31.8	31.8	90.7	90.7	7.0		9.6		12			
						4.5	0.3	132	19.0		8.2		31.8		90.7		7.0		9.7		13			
					Bottom	7.9	0.4	114	18.9	18.9	8.2	8.2	32.0	32.0	90.2	90.3	6.9	6.9	16.5		10			
						7.9	0.4	123	18.9		8.2		32.0		90.4		6.9		16.1		11			
SR4A	Fine	Calm	14:19	9.0	Surface	1.0	0.4	79	19.9	19.9	8.2	8.2	33.5	33.5	101.7	101.7	7.6	7.6	7.1	8.3	13	13	817212	807797
						1.0	0.4	83	19.9		8.2		33.5		101.7		7.6		7.0		12			
					Middle	4.5	0.4	89	19.9	19.9	8.1	8.1	33.5	33.5	101.8	101.8	7.6		8.6		12			
						4.5	0.4	97	19.9		8.1		33.5		101.8		7.6		8.6		13			
					Bottom	8.0	0.3	97	19.8	20.0	8.1	8.1	33.2	33.2	102.6	102.6	7.6	7.6	9.3		14			
						8.0	0.3	104	20.1		8.1		33.2		102.6		7.6		9.3		13			
SR5A	Fine	Calm	14:37	3.2	Surface	1.0	0.2	111	19.7	19.7	8.2	8.2	32.7	32.7	99.7	99.7	7.5	7.5	9.1	9.6	13	13	816609	810699
						1.0	0.2	119	19.7		8.2		32.7		99.7		7.5		9.1		14			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	2.2	0.2	108	19.6	19.6	8.2	8.2	32.7	32.7	99.7	99.8	7.5	7.5	10.1		13			
						2.2	0.2	113	19.6		8.2		32.7		99.8		7.5		10.0		12			
SR6A	Fine	Calm	15:09	4.0	Surface	1.0	0.2	130	19.9	19.9	8.1	8.1	32.4	32.4	100.8	100.8	7.6	7.6	8.8	9.2	11	10	817980	814744
						1.0	0.2	142	19.9		8.1		32.4		100.8		7.6		8.9		10			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.0	0.1	113	19.8	19.8	8.1	8.1	32.5	32.5	100.3	100.3	7.6	7.6	9.6		10			
						3.0	0.1	118	19.8		8.1		32.5		100.2		7.6		9.5		9			
SR7	Fine	Rough	15:22	16.0	Surface	1.0	0.7	86	19.1	19.1	8.2	8.2	32.6	32.6	87.5	87.5	6.7	6.7	3.9	3.9	9	9	823639	823747
						1.0	0.8	91	19.1		8.2		32.6		87.4		6.7		4.0		9			
					Middle	8.0	0.6	84	19.1	19.1	8.2	8.2	32.7	32.7	86.5	86.5	6.6		4.0		9			
						8.0	0.6	86	19.1		8.2		32.7		86.5		6.6		4.0		9			
					Bottom	15.0	0.2	57	19.1	19.1	8.2	8.2	32.7	32.7	86.7	86.7	6.6	6.6	3.7		8			
						15.0	0.3	62	19.1		8.2		32.7		86.7		6.6		3.8		8			
SR8	Fine	Moderate	13:53	5.1	Surface	1.0	-	-	19.2	19.2	8.3	8.3	32.1	32.1	91.1	91.1	7.0	7.0	5.4	6.4	13	12	820380	811619
						1.0	-	-	19.2		8.3		32.1		91.0		7.0		5.4		12			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.1	-	-	19.0	19.0	8.4	8.4	32.2	32.2	88.4	88.5	6.8	6.8	7.4		12			
						4.1	-	-	19.0		8.4		32.2		88.5		6.8		7.5		12			

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 January 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Calm	09:28	7.6	Surface	1.0	0.4	23	19.4	19.4	8.1	8.1	32.5	32.5	99.1	99.2	7.5	7.6	8.0	9.2	9	11	815634	804238
						1.0	0.4	25	19.4		8.1		32.5		99.2		7.5		8.1		10			
					Middle	3.8	0.4	28	19.5	19.5	8.1	8.1	32.8	32.8	100.1	100.2	7.6		9.5		10			
						3.8	0.4	28	19.5		8.1		32.9		100.3		7.6		9.5		9			
					Bottom	6.6	0.5	31	19.5	19.5	8.1	8.1	33.0	33.0	101.5	101.6	7.7	7.7	10.1		13			
						6.6	0.5	31	19.5		8.1		33.0		101.7		7.7		10.1		14			
C2	Fine	Moderate	10:04	11.5	Surface	1.0	0.3	334	18.7	18.7	8.1	8.1	30.9	30.9	90.5	90.5	7.0	7.0	5.1	6.9	8	7	825696	806950
						1.0	0.3	351	18.7		8.1		30.9		90.5		7.0		5.1		7			
					Middle	5.8	0.4	346	18.7	18.7	8.2	8.2	31.3	31.3	89.4	89.4	6.9		6.5		7			
						5.8	0.4	351	18.7		8.2		31.3		89.4		6.9		6.6		6			
					Bottom	10.5	0.4	13	18.7	18.7	8.2	8.2	31.8	31.8	89.4	89.4	6.9	6.9	9.1		6			
						10.5	0.4	14	18.7		8.2		31.8		89.4		6.9		9.3		7			
C3	Fine	Moderate	08:05	11.1	Surface	1.0	0.3	254	18.8	18.8	8.1	8.1	32.1	32.1	89.2	89.2	6.9	6.9	6.3	11.3	11	10	822091	817797
						1.0	0.3	274	18.8		8.1		32.1		89.1		6.9		6.4		12			
					Middle	5.6	0.2	247	18.8	18.8	8.1	8.1	32.2	32.2	88.8	88.8	6.8		11.6		9			
						5.6	0.2	261	18.8		8.1		32.2		88.8		6.8		11.6		10			
					Bottom	10.1	0.3	267	18.8	18.8	8.2	8.2	32.2	32.2	89.2	89.3	6.9	6.9	16.3		9			
						10.1	0.3	277	18.8		8.2		32.2		89.3		6.9		15.7		10			
IM1	Fine	Calm	09:47	4.2	Surface	1.0	0.1	48	19.6	19.6	8.1	8.1	33.0	33.0	98.9	98.9	7.5	7.5	7.5	7.9	13	12	817943	807134
						1.0	0.1	49	19.6		8.1		33.0		98.8		7.5		7.6		12			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.2	0.1	52	19.5	19.5	8.1	8.1	33.0	33.0	99.3	99.4	7.5	7.5	8.2		10			
						3.2	0.1	55	19.5		8.1		33.0		99.4		7.5		8.2		11			
IM2	Fine	Calm	09:53	6.2	Surface	1.0	0.2	51	19.3	19.3	8.1	8.1	32.8	32.8	97.7	97.7	7.4	7.4	7.5	8.2	13	13	818158	806171
						1.0	0.2	52	19.3		8.1		32.8		97.7		7.4		7.6		12			
					Middle	3.1	0.2	52	19.3	19.3	8.1	8.1	32.8	32.8	97.8	98.4	7.4		8.1		13			
						3.1	0.2	52	19.3		8.1		32.8		99.0		7.5		8.1		12			
					Bottom	5.2	0.1	46	19.3	19.3	8.1	8.1	32.8	32.8	100.9	101.2	7.7	7.7	9.1		13			
						5.2	0.1	49	19.3		8.1		32.8		101.5		7.7		9.1		14			
IM3	Fine	Calm	09:59	6.6	Surface	1.0	0.3	38	19.3	19.3	8.1	8.1	32.9	32.9	98.0	98.1	7.4	7.5	5.1	6.4	11	14	818792	805570
						1.0	0.3	41	19.3		8.1		32.9		98.2		7.5		5.2		12			
					Middle	3.3	0.3	46	19.3	19.3	8.1	8.1	32.8	32.8	99.5	99.6	7.6		6.5		15			
						3.3	0.3	46	19.3		8.1		32.8		99.6		7.6		6.5		14			
					Bottom	5.6	0.2	49	19.3	19.3	8.1	8.1	32.8	32.8	101.0	101.2	7.7	7.7	7.6		15			
						5.6	0.2	49	19.3		8.1		32.8		101.3		7.7		7.6		16			
IM4	Fine	Calm	10:07	8.0	Surface	1.0	0.3	32	19.3	19.3	8.1	8.1	32.8	32.8	98.0	98.1	7.4	7.5	6.7	7.3	13	12	819701	804590
						1.0	0.3	34	19.3		8.1		32.8		98.1		7.5		6.6		12			
					Middle	4.0	0.3	44	19.3	19.3	8.1	8.1	32.8	32.8	99.0	99.2	7.5		7.1		12			
						4.0	0.3	44	19.3		8.1		32.8		99.4		7.5		7.0		11			
					Bottom	7.0	0.3	37	19.3	19.3	8.1	8.1	32.8	32.8	100.8	101.0	7.7	7.7	8.1		11			
						7.0	0.3	39	19.3		8.1		32.8		101.1		7.7		8.1		10			
IM5	Fine	Calm	10:13	6.2	Surface	1.0	0.4	28	19.3	19.3	8.1	8.1	32.8	32.8	97.5	97.6	7.4	7.4	8.4	9.3	12	15	820716	804855
						1.0	0.4	28	19.3		8.1		32.8		97.6		7.4		8.5		12			
					Middle	3.1	0.3	38	19.3	19.3	8.1	8.1	32.8	32.8	98.1	98.2	7.4		9.4		13			
						3.1	0.3	39	19.3		8.1		32.8		98.2		7.5		9.5		13			
					Bottom	5.2	0.3	42	19.3	19.3	8.1	8.1	32.8	32.8	99.5	99.7	7.6	7.6	10.0		21			
						5.2	0.3	42	19.3		8.1		32.8		99.8		7.6		10.0		21			
IM6	Fine	Calm	10:20	7.0	Surface	1.0	0.4	26	19.6	19.6	8.1	8.1	33.0	33.0	99.9	100.0	7.5	7.6	7.4	8.5	14	14	821072	805826
						1.0	0.4	27	19.6		8.1		33.0		100.1		7.6		7.5		13			
					Middle	3.5	0.3	32	19.6	19.6	8.1	8.1	33.0	33.0	100.8	100.9	7.6		8.7		13			
						3.5	0.3	32	19.6		8.1		32.9		100.9		7.6		8.8		14			
					Bottom	6.0	0.3	30	19.6	19.6	8.1	8.1	32.9	32.9	101.5	101.6	7.7	7.7	9.4		14			
						6.0	0.3	30	19.6		8.1		32.9		101.7		7.7		9.5		14			
IM7	Fine	Calm	10:28	8.2	Surface	1.0	0.4	22	19.5	19.5	8.1	8.1	32.5	32.5	98.7	98.7	7.5	7.6	6.0	6.9	10	10	821333	806841
						1.0	0.4	22	19.5		8.1		32.5		98.7		7.5		5.9		11			
					Middle	4.1	0.4	30	19.6	19.6	8.1	8.1	32.9	32.9	100.2	100.3	7.6		6.7		10			
						4.1	0.4	32	19.6		8.1		32.9		100.3		7.6		6.8		11			
					Bottom	7.2	0.3	25	19.6	19.6	8.1	8.1	32.9	32.9	102.1	102.2	7.7	7.7	7.9		10			
						7.2	0.3	26	19.6		8.1		32.9		102.2		7.7		7.8		10			
IM8	Fine	Moderate	09:39	7.3	Surface	1.0	0.0	152	18.8	18.8	8.2	8.2	31.7	31.7	89.5	89.5	6.9	6.9	10.1	10.5	14	15	821808	808146
						1.0	0.0	154	18.8		8.2		31.7		89.5		6.9		10.1		13			
					Middle	3.7	0.0	261	18.7	18.7	8.2	8.2	31.8	31.8	89.0	89.0	6.9		10.6		15			
						3.7	0.0	281	18.7		8.2		31.8		89.0		6.9		10.6		16			
					Bottom	6.3	0.1	218	18.7	18.7	8.2	8.2	31.9	31.9	89.2	89.3	6.9	6.9	11.0		16			
						6.3	0.1	219	18.7		8.2		31.9		89.3		6.9		10.9		15			

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 January 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM9	Fine	Moderate	09:34	7.1	Surface	1.0	0.2	279	18.7	18.7	8.2	8.2	31.9	31.9	88.9	88.9	6.9	6.9	11.8	11.9	18	18	822094	808825
						1.0	0.2	292	18.7		8.2		31.9		88.9		6.9		11.8		17			
					Middle	3.6	0.2	269	18.7	18.7	8.2	8.2	31.9	31.9	89.0	89.1	6.9		12.2		18			
						3.6	0.2	279	18.7		8.2		31.9		89.1		6.9		12.2		17			
					Bottom	6.1	0.1	247	18.7	18.7	8.2	8.2	31.9	31.9	89.8	89.9	6.9	6.9	11.4		18			
						6.1	0.1	259	18.7		8.2		31.9		89.9		6.9		12.0		18			
IM10	Fine	Moderate	09:26	7.6	Surface	1.0	0.5	299	18.7	18.7	8.2	8.2	31.9	31.9	89.3	89.3	6.9	6.9	11.8	13.1	18	18	822401	809796
						1.0	0.5	308	18.7		8.2		31.9		89.3		6.9		11.8		19			
					Middle	3.8	0.5	307	18.7	18.7	8.2	8.2	31.9	31.9	89.2	89.2	6.9		12.4		18			
						3.8	0.5	328	18.7		8.2		31.9		89.2		6.9		12.5		19			
					Bottom	6.6	0.5	300	18.7	18.7	8.2	8.2	32.0	32.0	89.2	89.2	6.9	6.9	15.0		17			
						6.6	0.5	327	18.7		8.2		32.0		89.2		6.9		15.1		17			
IM11	Fine	Moderate	09:18	8.8	Surface	1.0	0.4	287	18.7	18.7	8.2	8.2	32.0	32.0	89.6	89.6	6.9	6.9	10.6	11.9	16	14	822067	811464
						1.0	0.4	310	18.7		8.2		32.0		89.6		6.9		10.5		16			
					Middle	4.4	0.4	291	18.8	18.8	8.2	8.2	32.1	32.1	89.2	89.2	6.9		12.1		15			
						4.4	0.4	291	18.8		8.2		32.1		89.2		6.9		12.0		14			
					Bottom	7.8	0.4	287	18.8	18.8	8.2	8.2	32.1	32.1	89.6	89.6	6.9	6.9	13.0		13			
						7.8	0.4	303	18.8		8.2		32.1		89.6		6.9		13.1		12			
IM12	Fine	Moderate	09:11	9.0	Surface	1.0	0.5	295	18.8	18.8	8.2	8.2	32.4	32.4	89.9	89.9	6.9	6.9	9.6	13.0	15	15	821446	812041
						1.0	0.5	298	18.8		8.2		32.4		89.9		6.9		9.6		14			
					Middle	4.5	0.5	296	18.8	18.8	8.2	8.2	32.4	32.4	89.9	89.9	6.9		12.6		14			
						4.5	0.5	297	18.8		8.2		32.4		89.9		6.9		12.6		15			
					Bottom	8.0	0.4	298	18.8	18.8	8.2	8.2	32.4	32.4	90.3	90.4	6.9	6.9	16.8		15			
						8.0	0.4	319	18.8		8.2		32.4		90.4		6.9		16.8		15			
SR1A	Fine	Calm	08:40	4.8	Surface	1.0	-	-	18.8	18.8	8.2	8.2	32.3	32.3	89.3	89.3	6.9	6.9	4.0	5.0	12	11	819980	812659
						1.0	-	-	18.8		8.2		32.3		89.3		6.9		4.0		11			
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-			
						2.4	-	-	-		-		-		-		-		-		-			
					Bottom	3.8	-	-	18.8	18.8	8.2	8.2	32.3	32.3	88.8	88.9	6.8	6.8	6.0		10			
						3.8	-	-	18.8		8.2		32.3		88.9		6.8		5.9		11			
SR2	Fine	Rough	08:25	4.6	Surface	1.0	0.3	330	18.8	18.8	8.2	8.2	32.3	32.3	90.0	90.1	6.9	6.9	8.8	11.1	12	13	821485	814148
						1.0	0.3	337	18.8		8.2		32.3		90.1		6.9		8.5		12			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.6	0.3	328	18.8	18.8	8.2	8.2	32.3	32.3	92.1	92.3	7.1	7.1	13.7		13			
						3.6	0.3	333	18.8		8.2		32.3		92.4		7.1		13.3		14			
SR3	Fine	Moderate	09:44	8.7	Surface	1.0	0.1	2	18.8	18.8	8.1	8.1	31.3	31.3	90.2	90.2	7.0	7.0	6.2	11.0	9	9	822123	807578
						1.0	0.1	2	18.8		8.1		31.3		90.1		7.0		6.2		10			
					Middle	4.4	0.1	9	18.7	18.7	8.1	8.1	31.4	31.4	89.3	89.3	6.9		10.7		10			
						4.4	0.2	9	18.7		8.1		31.4		89.3		6.9		10.6		9			
					Bottom	7.7	0.1	21	18.7	18.7	8.2	8.2	31.5	31.5	89.6	89.6	6.9	6.9	16.1		9			
						7.7	0.1	21	18.7		8.2		31.5		89.6		6.9		16.1		9			
SR4A	Fine	Calm	09:07	8.4	Surface	1.0	0.4	201	19.5	19.5	8.1	8.1	33.1	33.1	98.2	98.2	7.4	7.4	6.8	7.8	13	13	817173	807797
						1.0	0.4	210	19.5		8.1		33.1		98.2		7.4		6.8		13			
					Middle	4.2	0.3	225	19.4	19.4	8.1	8.1	33.1	33.1	98.1	98.1	7.4		7.3		14			
						4.2	0.3	242	19.4		8.1		33.1		98.1		7.4		7.3		13			
					Bottom	7.4	0.3	267	19.4	19.4	8.1	8.1	33.1	33.1	98.9	99.0	7.5	7.5	9.2		14			
						7.4	0.3	269	19.4		8.1		33.1		99.0		7.5		9.2		13			
SR5A	Fine	Calm	08:50	4.2	Surface	1.0	0.2	229	19.4	19.4	8.1	8.1	33.3	33.3	98.4	98.4	7.4	7.4	8.0	8.7	13	12	816588	810713
						1.0	0.2	244	19.4		8.1		33.3		98.4		7.4		8.1		12			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.2	0.2	241	19.4	19.4	8.1	8.1	33.2	33.2	98.6	98.6	7.5	7.5	9.5		11			
						3.2	0.2	245	19.4		8.1		33.2		98.6		7.5		9.4		12			
SR6A	Fine	Calm	08:22	3.2	Surface	1.0	0.1	218	19.4	19.4	8.1	8.1	33.2	33.2	98.7	98.8	7.5	7.5	8.5	9.0	13	13	817944	814716
						1.0	0.1	230	19.4		8.1		33.2		98.8		7.5		8.4		12			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	2.2	0.1	208	19.4	19.4	8.1	8.1	33.2	33.2	99.1	99.2	7.5	7.5	9.5		12			
						2.2	0.1	220	19.4		8.1		33.2		99.2		7.5		9.4		13			
SR7	Fine	Moderate	07:37	15.6	Surface	1.0	0.3	19	18.9	18.9	8.1	8.1	32.4	32.4	88.6	88.6	6.8	6.8	6.1	12.5	11	11	823657	823722
						1.0	0.4	20	18.9		8.1		32.4		88.6		6.8		6.0		12			
					Middle	7.8	0.3	24	18.9	18.9	8.1	8.1	32.5	32.5	88.2	88.2	6.8		11.8		10			
						7.8	0.3	25	18.9		8.1		32.5		88.2		6.8		11.2		11			
					Bottom	14.6	0.3	23	18.9	18.9	8.1	8.1	32.5	32.5	88.1	88.1	6.8	6.8	20.0		9			
						14.6	0.3	23	18.9		8.1		32.5		88.1		6.8		19.9		10			
SR8	Fine	Moderate	09:03	4.9	Surface	1.0	-	-	19.3	19.3	8.2	8.2	31.9	31.9	90.4	90.5	6.9	6.9	7.1	10.2	12	12	820396	811638
						1.0	-	-	19.3		8.2		31.9		90.5		6.9		7.1		12			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.9	-	-	18.7	18.7	8.2	8.2	32.0	32.0	90.1	90.1	7.0	7.0	13.4		12			
						3.9	-	-	18.7		8.2		32.0		90.1		7.0		13.4		13			

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 January 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Fine	Rough	15:23	7.8	Surface	1.0	0.3	224	20.0	20.0	8.1	8.1	31.8	31.8	102.4	102.4	7.7	7.6	7.3	8.5	6	7	815629	804231
						1.0	0.3	241	20.0		8.1		31.8		102.4		7.7		7.3		7			
					Middle	3.9	0.2	220	19.8	19.8	8.1	8.1	32.1	32.1	99.3	99.3	7.5		8.6		6			
						3.9	0.2	235	19.8		8.1		32.1		99.3		7.5		8.6		7			
					Bottom	6.8	0.1	234	19.8	19.8	8.1	8.1	32.4	32.4	99.1	99.1	7.5	7.5	9.4		7			
						6.8	0.1	247	19.8		8.1		32.4		99.1		7.5		9.5		8			
C2	Cloudy	Moderate	14:31	12.2	Surface	1.0	0.3	166	19.5	19.5	8.1	8.1	30.5	30.5	93.3	93.2	7.2	7.1	3.6	6.4	6	6	825662	806939
						1.0	0.3	168	19.5		8.1		30.5		93.1		7.1		3.7		5			
					Middle	6.1	0.2	154	19.3	19.3	8.2	8.2	30.8	30.9	91.1	91.1	7.0		4.8		7			
						6.1	0.2	156	19.3		8.2		30.9		91.0		7.0		4.9		6			
					Bottom	11.2	0.2	160	19.2	19.2	8.2	8.2	31.2	31.2	90.9	91.0	7.0	7.0	10.4		7			
						11.2	0.2	164	19.2		8.2		31.2		91.0		7.0		10.9		6			
C3	Cloudy	Moderate	16:33	12.3	Surface	1.0	0.3	134	19.3	19.3	8.2	8.2	32.4	32.4	87.2	87.2	6.6	6.7	4.3	7.6	6	5	822091	817816
						1.0	0.3	135	19.3		8.2		32.4		87.1		6.6		4.6		5			
					Middle	6.2	0.2	111	19.2	19.2	8.2	8.2	32.4	32.4	87.9	88.1	6.7		7.3		5			
						6.2	0.2	121	19.2		8.2		32.4		88.2		6.7		7.5		5			
					Bottom	11.3	0.3	104	19.2	19.2	8.2	8.2	32.4	32.4	89.4	89.5	6.8	6.8	10.7		5			
						11.3	0.3	111	19.2		8.2		32.4		89.6		6.8		11.4		5			
IM1	Fine	Moderate	15:12	5.1	Surface	1.0	0.1	142	20.2	20.2	8.1	8.1	32.5	32.5	100.2	100.3	7.5	7.5	10.4	9.9	7	7	817938	807135
						1.0	0.1	152	20.2		8.1		32.5		100.3		7.5		10.4		7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.1	0.1	156	20.3	20.3	8.1	8.1	32.6	32.6	101.2	101.3	7.6	7.6	9.4		6			
						4.1	0.1	164	20.3		8.1		32.6		101.3		7.6		9.4		7			
IM2	Fine	Rough	15:05	6.9	Surface	1.0	0.2	141	20.1	20.1	8.1	8.1	32.2	32.2	101.1	101.1	7.6	7.6	6.0	8.9	7	7	818160	806172
						1.0	0.2	142	20.1		8.1		32.3		101.1		7.6		6.1		6			
					Middle	3.5	0.2	121	20.0	20.0	8.1	8.1	32.3	32.2	99.5	99.6	7.5		7.6		8			
						3.5	0.2	122	20.0		8.1		32.2		99.6		7.5		7.6		7			
					Bottom	5.9	0.1	135	19.9	19.9	8.1	8.1	32.3	32.3	97.3	97.3	7.3	7.3	12.9		7			
						5.9	0.1	137	19.9		8.1		32.3		97.3		7.3		13.0		8			
IM3	Fine	Rough	14:59	7.1	Surface	1.0	0.3	131	20.1	20.1	8.1	8.1	32.2	32.2	101.7	101.7	7.6	7.6	5.9	6.2	6	7	818791	805586
						1.0	0.3	142	20.1		8.1		32.2		101.7		7.6		5.9		7			
					Middle	3.6	0.3	122	20.0	20.0	8.1	8.1	32.3	32.3	99.0	99.0	7.5		6.0		7			
						3.6	0.3	133	20.0		8.1		32.3		99.0		7.5		6.1		8			
					Bottom	6.1	0.2	127	19.9	19.9	8.1	8.1	32.4	32.4	97.3	97.3	7.3	7.3	6.6		8			
						6.1	0.2	136	19.9		8.1		32.4		97.3		7.3		6.6		7			
IM4	Fine	Rough	14:40	7.5	Surface	1.0	0.1	139	20.1	20.1	8.1	8.1	31.8	31.8	99.3	99.3	7.5	7.5	7.0	8.5	6	7	819732	804600
						1.0	0.1	139	20.1		8.1		31.8		99.3		7.5		7.0		5			
					Middle	3.8	0.1	198	20.0	20.0	8.1	8.1	32.3	32.3	98.4	98.4	7.4		8.9		8			
						3.8	0.1	199	20.0		8.1		32.3		98.4		7.4		9.0		7			
					Bottom	6.5	0.2	192	20.1	20.1	8.1	8.1	32.6	32.6	98.0	98.0	7.4	7.4	9.5		8			
						6.5	0.2	209	20.1		8.1		32.6		98.0		7.4		9.5		7			
IM5	Fine	Rough	14:34	7.9	Surface	1.0	0.1	168	20.1	20.1	8.1	8.1	31.9	31.9	99.7	99.7	7.5	7.5	7.2	8.4	8	10	820726	804866
						1.0	0.1	171	20.1		8.1		31.9		99.7		7.5		7.3		7			
					Middle	4.0	0.2	184	20.0	20.0	8.1	8.1	32.3	32.3	98.7	98.7	7.4		9.2		9			
						4.0	0.2	189	20.0		8.1		32.3		98.7		7.4		9.1		10			
					Bottom	6.9	0.2	191	20.1	20.1	8.1	8.1	32.4	32.4	99.0	99.0	7.4	7.4	8.9		12			
						6.9	0.2	204	20.1		8.1		32.4		99.0		7.4		8.9		13			
IM6	Fine	Rough	14:26	7.6	Surface	1.0	0.2	146	20.0	20.0	8.1	8.1	32.2	32.2	98.6	98.6	7.4	7.4	8.8	9.3	7	9	821080	805838
						1.0	0.2	153	20.0		8.1		32.2		98.6		7.4		8.8		8			
					Middle	3.8	0.2	162	20.0	20.0	8.1	8.1	32.3	32.3	98.5	98.5	7.4		9.4		8			
						3.8	0.2	168	20.0		8.1		32.4		98.5		7.4		9.4		7			
					Bottom	6.6	0.2	184	20.1	20.1	8.1	8.1	32.4	32.4	99.3	99.4	7.5	7.5	9.8		13			
						6.6	0.2	198	20.1		8.1		32.4		99.5		7.5		9.8		12			
IM7	Fine	Rough	14:20	8.4	Surface	1.0	0.3	108	20.1	20.1	8.1	8.1	32.6	32.6	99.4	99.4	7.4	7.4	9.9	10.5	7	9	821338	806819
						1.0	0.3	116	20.1		8.1		32.6		99.4		7.4		9.9		7			
					Middle	4.2	0.3	111	20.1	20.1	8.1	8.1	32.6	32.6	99.4	99.4	7.4		10.3		8			
						4.2	0.3	118	20.1		8.1		32.6		99.4		7.4		10.3		7			
					Bottom	7.4	0.2	117	20.1	20.1	8.1	8.1	32.6	32.6	100.1	100.1	7.5	7.5	11.4		12			
						7.4	0.2	117	20.1		8.1		32.6		100.1		7.5		11.4		12			
IM8	Cloudy	Moderate	15:00	7.8	Surface	1.0	0.3	113	19.2	19.2	8.2	8.2	30.9	30.9	90.1	90.1	6.9	6.9	6.8	10.2	6	6	821823	808144
						1.0	0.3	119	19.2		8.2		30.9		90.1		6.9		6.8		5			
					Middle	3.9	0.2	123	19.3	19.4	8.2	8.2	31.4	31.5	90.2	90.2	6.9		11.9		6			
						3.9	0.2	127	19.4		8.2		31.5		90.2		6.9		11.6		6			
					Bottom	6.8	0.3	133	19.5	19.5	8.2	8.2	31.9	31.9	90.4	90.4	6.9	6.9	12.1		6			
						6.8	0.3	137	19.5		8.2		31.9		90.4		6.9		12.2		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 06 January 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	15:06	7.5	Surface	1.0	0.2	120	19.4	19.4	8.1	8.1	30.9	30.9	91.8	91.8	7.0	7.1	10.6	8.8	5	5	822096	808811
						1.0	0.2	129	19.4		8.1		30.9		91.8		7.0		10.3		5			
					Middle	3.8	0.2	141	19.3	19.3	8.1	8.1	30.9	30.9	91.8	91.8	7.1		7.3		5			
						3.8	0.2	149	19.3		8.1		30.9		91.8		7.1		7.4		5			
					Bottom	6.5	0.3	146	19.2	19.2	8.1	8.1	30.9	30.9	92.4	92.5	7.1	7.1	8.4		5			
						6.5	0.3	147	19.2		8.1		30.9		92.5		7.1		8.9		6			
IM10	Cloudy	Moderate	15:12	7.3	Surface	1.0	0.2	152	19.5	19.5	8.2	8.2	31.6	31.6	91.1	91.0	6.9	6.9	7.8	9.5	6	5	822371	809802
						1.0	0.2	154	19.4		8.2		31.6		90.9		6.9		8.0		5			
					Middle	3.7	0.2	158	19.3	19.3	8.2	8.2	31.7	31.7	90.6	90.7	6.9		9.7		5			
						3.7	0.2	165	19.3		8.2		31.7		90.7		6.9		9.8		6			
					Bottom	6.3	0.3	167	19.3	19.4	8.2	8.2	31.7	31.7	91.2	91.3	7.0	7.0	10.7		5			
						6.3	0.3	173	19.4		8.2		31.7		91.3		7.0		10.9		4			
IM11	Cloudy	Moderate	15:23	8.5	Surface	1.0	0.1	148	19.4	19.4	8.2	8.2	31.6	31.6	90.6	90.6	6.9	6.9	9.7	12.3	5	6	822039	811469
						1.0	0.1	162	19.4		8.2		31.6		90.6		6.9		9.7		5			
					Middle	4.3	0.1	156	19.3	19.3	8.2	8.2	31.6	31.6	90.3	90.3	6.9		11.3		6			
						4.3	0.1	159	19.3		8.2		31.6		90.3		6.9		11.7		5			
					Bottom	7.5	0.2	160	19.3	19.3	8.2	8.2	31.6	31.6	90.6	90.7	6.9	6.9	15.8		8			
						7.5	0.2	168	19.3		8.2		31.6		90.7		6.9		15.5		8			
IM12	Cloudy	Moderate	15:31	8.8	Surface	1.0	0.2	161	19.4	19.4	8.2	8.2	31.7	31.7	90.9	90.9	6.9	7.0	10.7	12.3	5	6	821480	812057
						1.0	0.2	174	19.4		8.2		31.7		90.9		6.9		10.9		6			
					Middle	4.4	0.1	162	19.4	19.4	8.2	8.2	31.7	31.7	91.3	91.4	7.0		11.7		6			
						4.4	0.1	175	19.4		8.2		31.7		91.5		7.0		12.0		5			
					Bottom	7.8	0.2	172	19.3	19.3	8.2	8.2	31.7	31.7	92.2	92.3	7.0	7.1	14.2		5			
						7.8	0.2	177	19.3		8.2		31.7		92.4		7.1		14.6		6			
SR1A	Cloudy	Moderate	15:58	5.1	Surface	1.0	-	-	19.6	19.6	8.2	8.2	31.9	31.9	91.4	91.4	6.9	6.9	6.3	6.4	3	4	819981	812664
						1.0	-	-	19.6		8.2		31.9		91.4		6.9		6.4		4			
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-			
						2.6	-	-	-		-		-		-		-		-		-			
					Bottom	4.1	-	-	19.6	19.6	8.2	8.2	31.9	31.9	91.8	91.9	7.0	7.0	6.6		3			
						4.1	-	-	19.6		8.2		31.9		92.0		7.0		6.5		4			
SR2	Cloudy	Moderate	16:12	3.9	Surface	1.0	0.2	135	19.5	19.5	8.2	8.2	31.6	31.6	92.2	92.3	7.0	7.0	7.4	7.6	6	6	821447	814165
						1.0	0.2	145	19.5		8.2		31.7		92.3		7.0		7.4		7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	2.9	0.2	159	19.5	19.5	8.2	8.2	31.6	31.6	92.4	92.5	7.0	7.0	7.8		6			
						2.9	0.2	168	19.5		8.2		31.6		92.5		7.0		7.8		6			
SR3	Cloudy	Moderate	14:55	8.8	Surface	1.0	0.3	150	19.6	19.6	8.2	8.2	31.1	31.1	92.3	92.3	7.0	7.0	9.0	12.6	6	5	822167	807579
						1.0	0.3	158	19.6		8.2		31.2		92.2		7.0		9.3		6			
					Middle	4.4	0.2	155	19.6	19.6	8.2	8.2	31.6	31.6	91.9	91.9	7.0		12.8		5			
						4.4	0.2	170	19.6		8.2		31.6		91.9		7.0		12.8		5			
					Bottom	7.8	0.2	162	19.6	19.6	8.2	8.2	31.8	31.8	92.0	92.1	7.0	7.0	15.8		5			
						7.8	0.2	172	19.6		8.2		31.8		92.1		7.0		15.7		5			
SR4A	Fine	Rough	15:37	10.1	Surface	1.0	0.3	49	20.2	20.2	8.1	8.1	32.5	32.5	100.7	100.7	7.5	7.5	7.9	9.1	6	7	817203	807825
						1.0	0.4	52	20.2		8.1		32.5		100.7		7.5		7.9		7			
					Middle	5.1	0.3	47	20.1	20.1	8.1	8.1	32.5	32.5	99.4	99.4	7.5		8.6		7			
						5.1	0.3	51	20.1		8.1		32.5		99.4		7.5		8.7		6			
					Bottom	9.1	0.2	49	20.1	20.1	8.1	8.1	32.5	32.5	99.5	99.6	7.5	7.5	10.6		7			
						9.1	0.2	52	20.1		8.1		32.5		99.6		7.5		10.7		7			
SR5A	Fine	Moderate	15:51	4.7	Surface	1.0	0.1	81	20.4	20.4	8.1	8.1	32.8	32.8	98.6	98.6	7.3	7.3	5.2	6.5	7	8	816599	810696
						1.0	0.1	81	20.4		8.1		32.8		98.6		7.3		5.2		8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.7	0.1	94	20.3	20.3	8.1	8.1	32.8	32.8	98.9	99.0	7.4	7.4	7.9		9			
						3.7	0.1	100	20.3		8.1		32.8		99.1		7.4		7.9		8			
SR6A	Fine	Moderate	16:17	4.9	Surface	1.0	0.1	182	20.7	20.7	8.1	8.1	32.5	32.5	102.1	102.1	7.6	7.6	6.7	8.2	9	8	817970	814726
						1.0	0.1	187	20.7		8.1		32.5		102.1		7.6		6.8		8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.9	0.0	175	20.2	20.2	8.2	8.2	32.7	32.7	98.0	98.1	7.3	7.3	9.7		7			
						3.9	0.0	181	20.2		8.2		32.7		98.1		7.3		9.7		8			
SR7	Cloudy	Moderate	17:01	16.4	Surface	1.0	0.3	99	19.3	19.3	8.2	8.2	32.6	32.6	85.5	85.5	6.5	6.6	3.6	4.4	6	6	823638	823725
						1.0	0.3	103	19.3		8.2		32.6		85.5		6.5		3.7		6			
					Middle	8.2	0.2	107	19.3	19.3	8.2	8.2	32.6	32.6	86.3	86.5	6.6		4.6		6			
						8.2	0.2	113	19.3		8.2		32.6		86.6		6.6		4.7		5			
					Bottom	15.4	0.3	141	19.3	19.3	8.2	8.2	32.6	32.6	88.3	88.5	6.7	6.7	4.9		5			
						15.4	0.3	149	19.3		8.2		32.6		88.6		6.7		5.0		6			
SR8	Cloudy	Moderate	15:38	4.0	Surface	1.0	-	-	19.7	19.7	8.2	8.2	31.5	31.5	92.4	92.4	7.0	7.0	7.0	6.9	7	7	820408	811637
						1.0	-	-	19.7		8.2		31.5		92.3		7.0		7.0		8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.0	-	-	19.6	19.6	8.2	8.2	31.5	31.5	92.6	92.7	7.0	7.1	6.7		6			
						3.0	-	-	19.6		8.2		31.5		92.7		7.1		6.7		7			

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 January 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Sunny	Rough	11:09	7.1	Surface	1.0	0.5	55	19.9	19.9	8.1	8.1	32.4	32.4	99.2	99.2	7.5	7.5	6.0	8.1	14	9	815620	804226
						1.0	0.5	57	19.9		8.1		32.4		99.2		7.5		6.0		14			
					Middle	3.6	0.5	49	19.9	19.9	8.1	8.1	32.5	32.5	98.3	98.3	7.4		8.3		6			
						3.6	0.5	52	19.9		8.1		32.5		98.3		7.4		8.3		7			
					Bottom	6.1	0.4	52	19.9	19.9	8.1	8.1	32.6	32.6	98.4	98.5	7.4	7.4	9.9		6			
						6.1	0.4	56	19.9		8.1		32.6		98.5		7.4		9.9		6			
C2	Cloudy	Moderate	12:08	12.1	Surface	1.0	0.5	37	19.4	19.4	8.1	8.1	30.4	30.4	92.8	92.7	7.1	7.1	4.3	7.5	4	5	825696	806959
						1.0	0.5	39	19.4		8.1		30.4		92.6		7.1		4.4		5			
					Middle	6.1	0.5	41	19.2	19.2	8.1	8.1	30.7	30.7	90.7	90.8	7.0		5.4		4			
						6.1	0.5	43	19.2		8.1		30.7		90.8		7.0		5.4		5			
					Bottom	11.1	0.5	22	19.3	19.3	8.1	8.1	31.1	31.1	92.2	92.3	7.1	7.1	12.9		5			
						11.1	0.5	22	19.3		8.1		31.1		92.4		7.1		12.9		6			
C3	Cloudy	Moderate	10:11	10.7	Surface	1.0	0.4	222	19.3	19.3	8.1	8.1	31.8	31.8	89.2	89.2	6.8	6.8	4.9	7.5	6	5	822094	817819
						1.0	0.4	241	19.3		8.1		31.8		89.1		6.8		4.9		5			
					Middle	5.4	0.4	249	19.2	19.2	8.1	8.1	31.9	31.9	88.1	88.1	6.7		7.6		5			
						5.4	0.4	251	19.2		8.1		31.9		88.1		6.7		7.9		5			
					Bottom	9.7	0.3	218	19.2	19.2	8.1	8.1	31.9	31.9	87.2	87.2	6.7	6.7	9.9		4			
						9.7	0.3	224	19.2		8.1		31.9		87.1		6.7		9.9		4			
IM1	Sunny	Moderate	11:25	4.8	Surface	1.0	0.1	355	20.2	20.2	8.1	8.1	32.7	32.7	100.4	100.4	7.5	7.5	10.3	10.8	7	7	817950	807130
						1.0	0.1	327	20.2		8.1		32.7		100.4		7.5		10.4		7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.8	0.1	349	20.0	20.0	8.1	8.1	32.9	32.8	100.7	100.8	7.6	7.6	11.3		7			
						3.8	0.1	321	20.0		8.1		32.8		100.8		7.6		11.3		8			
IM2	Sunny	Moderate	11:33	6.7	Surface	1.0	0.3	17	20.1	20.1	8.1	8.1	32.4	32.4	97.9	97.9	7.3	7.3	7.6	8.9	7	7	818185	806149
						1.0	0.3	18	20.1		8.1		32.4		97.9		7.3		7.6		6			
					Middle	3.4	0.2	17	19.9	19.9	8.1	8.1	32.4	32.4	97.3	97.3	7.3		8.6		7			
						3.4	0.2	18	19.9		8.1		32.4		97.3		7.3		8.7		8			
					Bottom	5.7	0.2	5	19.9	19.9	8.1	8.1	32.4	32.4	97.3	97.3	7.3	7.3	10.5		7			
						5.7	0.3	5	19.9		8.1		32.4		97.3		7.3		10.6		8			
IM3	Sunny	Moderate	11:41	6.9	Surface	1.0	0.3	357	19.8	19.9	8.1	8.1	32.3	32.3	96.2	96.2	7.3	7.3	6.7	6.7	7	9	818777	805572
						1.0	0.3	328	19.9		8.1		32.3		96.2		7.3		6.7		8			
					Middle	3.5	0.3	1	19.8	19.8	8.1	8.1	32.3	32.3	96.1	96.1	7.3		5.9		8			
						3.5	0.3	1	19.8		8.1		32.3		96.1		7.3		5.8		9			
					Bottom	5.9	0.2	349	19.8	19.8	8.1	8.1	32.3	32.3	96.3	96.3	7.3	7.3	7.7		10			
						5.9	0.2	321	19.8		8.1		32.3		96.3		7.3		7.7		11			
IM4	Sunny	Rough	11:51	7.8	Surface	1.0	0.5	354	20.0	20.0	8.1	8.1	32.3	32.3	97.3	97.2	7.3	7.3	7.5	8.7	6	8	819744	804609
						1.0	0.6	326	20.0		8.1		32.3		97.1		7.3		7.6		7			
					Middle	3.9	0.5	352	19.8	19.8	8.0	8.0	32.3	32.3	95.6	95.6	7.2		8.8		7			
						3.9	0.5	355	19.8		8.0		32.3		95.6		7.2		8.8		8			
					Bottom	6.8	0.4	353	19.8	19.8	8.0	8.0	32.3	32.3	95.8	95.8	7.2	7.2	9.6		7			
						6.8	0.4	359	19.8		8.0		32.3		95.8		7.2		9.6		11			
IM5	Sunny	Rough	11:58	8.3	Surface	1.0	0.8	349	19.9	19.9	8.1	8.1	32.2	32.2	97.1	97.1	7.3	7.3	9.0	9.7	7	9	820730	804847
						1.0	0.8	321	19.9		8.1		32.2		97.1		7.3		9.0		8			
					Middle	4.2	0.7	352	19.9	19.9	8.1	8.1	32.3	32.3	96.6	96.6	7.3		9.4		10			
						4.2	0.8	359	19.9		8.1		32.3		96.6		7.3		9.4		9			
					Bottom	7.3	0.6	356	19.8	19.8	8.1	8.1	32.3	32.3	96.6	96.6	7.3	7.3	10.6		9			
						7.3	0.7	328	19.8		8.1		32.3		96.6		7.3		10.6		9			
IM6	Sunny	Rough	12:05	7.2	Surface	1.0	0.1	349	20.1	20.1	8.0	8.0	31.8	31.8	99.4	99.4	7.5	7.5	6.6	8.3	8	8	821036	805827
						1.0	0.1	321	20.1		8.0		31.8		99.4		7.5		6.6		8			
					Middle	3.6	0.1	24	20.0	20.0	8.1	8.1	32.2	32.2	98.3	98.3	7.4		8.6		8			
						3.6	0.1	26	20.0		8.1		32.2		98.3		7.4		8.6		9			
					Bottom	6.2	0.2	44	20.1	20.1	8.1	8.1	32.6	32.6	98.2	98.2	7.4	7.4	9.7		9			
						6.2	0.2	45	20.1		8.1		32.6		98.2		7.4		9.7		8			
IM7	Sunny	Rough	12:12	7.3	Surface	1.0	0.1	118	20.2	20.2	8.1	8.1	32.7	32.7	100.3	100.3	7.5	7.5	12.2	12.8	8	8	821341	806828
						1.0	0.1	128	20.2		8.1		32.7		100.3		7.5		12.1		9			
					Middle	3.7	0.1	134	20.2	20.2	8.1	8.1	32.7	32.7	99.9	99.9	7.5		13.7		8			
						3.7	0.1	140	20.2		8.1		32.7		99.9		7.5		13.7		7			
					Bottom	6.3	0.1	126	20.1	20.1	8.1	8.1	32.7	32.7	99.9	99.9	7.5	7.5	12.7		7			
						6.3	0.1	135	20.1		8.1		32.7		99.9		7.5		12.7		8			
IM8	Cloudy	Moderate	11:43	7.6	Surface	1.0	0.2	269	19.4	19.4	8.1	8.1	30.9	30.9	91.2	91.2	7.0	7.0	6.5	9.0	5	5	821845	808163
						1.0	0.2	284	19.4		8.1		30.9		91.2		7.0		6.4		6			
					Middle	3.8	0.2	278	19.2	19.2	8.1	8.1	30.9	30.9	90.6	90.6	7.0		8.5		5			
						3.8	0.2	296	19.2		8.1		30.9		90.6		7.0		8.7		6			
					Bottom	6.6	0.2	303	19.2	19.2	8.1	8.1	31.0	31.0	91.5	91.6	7.0	7.0	11.9		5			
						6.6	0.2	315	19.2		8.1		31.0		91.6		7.0		11.9		5			

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 January 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	11:38	7.1	Surface	1.0	0.2	250	19.3	19.3	8.1	8.1	31.0	31.0	90.7	90.7	7.0	7.0	7.7	9.5	5	5	822074	808793
						1.0	0.2	262	19.3		8.1		31.0		90.6		7.0		7.8		4			
					Middle	3.6	0.2	266	19.2	19.2	8.1	8.1	31.0	31.0	90.3	90.3	6.9		10.0		5			
						3.6	0.2	290	19.2		8.1		31.0		90.3		6.9		10.0		4			
					Bottom	6.1	0.2	271	19.2	19.2	8.1	8.1	31.0	31.0	90.7	90.7	7.0	7.0	10.8		4			
						6.1	0.2	273	19.2		8.1		31.0		90.7		7.0		10.8		5			
IM10	Cloudy	Moderate	11:31	8.1	Surface	1.0	0.3	244	19.4	19.4	8.2	8.2	31.2	31.2	91.6	91.5	7.0	7.0	7.4	12.7	5	6	822367	809792
						1.0	0.3	257	19.4		8.2		31.2		91.4		7.0		7.4		5			
					Middle	4.1	0.2	251	19.2	19.2	8.2	8.2	31.4	31.4	90.1	90.2	6.9		13.2		6			
						4.1	0.2	272	19.2		8.2		31.4		90.2		6.9		14.9		5			
					Bottom	7.1	0.2	263	19.2	19.2	8.2	8.2	31.4	31.4	91.4	91.5	7.0	7.0	16.3		6			
						7.1	0.2	281	19.2		8.2		31.4		91.5		7.0		16.9		6			
IM11	Cloudy	Moderate	11:22	8.0	Surface	1.0	0.2	301	19.3	19.3	8.2	8.2	31.5	31.5	90.7	90.7	6.9	6.9	10.8	11.6	4	5	822056	811437
						1.0	0.2	305	19.3		8.2		31.5		90.6		6.9		11.1		5			
					Middle	4.0	0.2	322	19.2	19.2	8.2	8.2	31.6	31.6	89.9	89.9	6.9		11.6		4			
						4.0	0.2	335	19.2		8.2		31.6		89.9		6.9		11.1		5			
					Bottom	7.0	0.2	298	19.2	19.2	8.2	8.2	31.6	31.6	90.3	90.4	6.9	6.9	12.2		6			
						7.0	0.2	309	19.2		8.2		31.6		90.4		6.9		12.6		6			
IM12	Cloudy	Moderate	11:17	8.7	Surface	1.0	0.1	321	19.3	19.3	8.2	8.2	31.6	31.6	89.9	89.9	6.9	6.9	11.0	12.5	6	6	821449	812052
						1.0	0.1	332	19.3		8.2		31.6		89.9		6.9		10.7		7			
					Middle	4.4	0.1	341	19.2	19.2	8.2	8.2	31.6	31.6	89.7	89.7	6.9		11.8		5			
						4.4	0.1	351	19.2		8.2		31.6		89.6		6.9		11.2		6			
					Bottom	7.7	0.1	335	19.2	19.2	8.2	8.2	31.6	31.6	88.8	88.8	6.8	6.8	15.1		5			
						7.7	0.1	308	19.2		8.2		31.6		88.8		6.8		15.1		6			
SR1A	Cloudy	Moderate	10:46	5.2	Surface	1.0	-	-	19.4	19.4	8.2	8.2	31.9	31.9	88.8	88.8	6.8	6.8	9.6	12.7	4	4	819975	812660
						1.0	-	-	19.4		8.2		31.9		88.7		6.8		10.3		5			
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-			
						2.6	-	-	-		-		-		-		-		-		-			
					Bottom	4.2	-	-	19.4	19.4	8.2	8.2	31.8	31.8	88.4	88.4	6.7	6.7	15.3		4			
						4.2	-	-	19.4		8.2		31.8		88.4		6.7		15.6		4			
SR2	Cloudy	Moderate	10:30	4.4	Surface	1.0	0.2	219	19.2	19.2	8.2	8.2	31.6	31.6	90.3	90.3	6.9	6.9	13.2	12.7	5	5	821476	814142
						1.0	0.2	237	19.2		8.2		31.6		90.3		6.9		13.4		5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.4	0.2	241	19.2	19.2	8.2	8.2	31.6	31.6	91.7	91.8	7.0	7.0	11.9		5			
						3.4	0.2	253	19.2		8.2		31.6		91.8		7.0		12.2		5			
SR3	Cloudy	Moderate	11:49	8.8	Surface	1.0	0.4	23	19.3	19.3	8.1	8.1	30.7	30.7	90.8	90.8	7.0	7.0	7.8	10.4	5	5	822154	807573
						1.0	0.4	23	19.2		8.1		30.7		90.8		7.0		8.0		6			
					Middle	4.4	0.4	47	19.1	19.1	8.1	8.1	30.7	30.7	90.2	90.2	7.0		11.2		5			
						4.4	0.4	50	19.1		8.1		30.8		90.2		7.0		11.0		6			
					Bottom	7.8	0.5	52	19.1	19.1	8.1	8.1	30.8	30.8	91.0	91.1	7.0	7.0	12.2		5			
						7.8	0.5	56	19.1		8.1		30.8		91.1		7.0		12.1		5			
SR4A	Sunny	Moderate	10:50	9.9	Surface	1.0	0.3	65	20.1	20.1	8.1	8.1	32.8	32.8	98.7	98.7	7.4	7.4	9.7	10.0	18	15	817199	807826
						1.0	0.3	67	20.1		8.1		32.8		98.7		7.4		9.8		17			
					Middle	5.0	0.3	58	20.0	20.0	8.1	8.1	32.8	32.8	98.8	98.8	7.4		9.9		13			
						5.0	0.3	63	20.0		8.1		32.8		98.8		7.4		9.9		14			
					Bottom	8.9	0.3	62	20.0	20.0	8.1	8.1	32.8	32.8	98.9	98.9	7.4	7.4	10.4		13			
						8.9	0.3	64	20.0		8.1		32.8		98.9		7.4		10.5		12			
SR5A	Sunny	Moderate	10:33	3.7	Surface	1.0	0.1	19	20.0	20.0	8.0	8.0	32.8	32.8	96.3	96.3	7.2	7.2	12.3	12.7	16	15	816602	810677
						1.0	0.1	20	20.0		8.0		32.8		96.3		7.2		12.3		15			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	2.7	0.1	28	20.0	20.0	8.0	8.0	32.8	32.8	96.3	96.3	7.2	7.2	13.0		15			
						2.7	0.1	29	20.0		8.0		32.8		96.3		7.2		13.1		14			
SR6A	Sunny	Moderate	10:05	3.9	Surface	1.0	0.1	273	20.0	20.0	8.0	8.0	32.7	32.7	96.1	96.1	7.2	7.2	8.6	10.3	16	16	817985	814746
						1.0	0.1	287	20.0		8.0		32.7		96.1		7.2		8.7		15			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	2.9	0.1	280	19.9	19.9	8.0	8.0	32.7	32.7	95.5	95.5	7.2	7.2	11.9		15			
						2.9	0.1	287	19.9		8.0		32.7		95.5		7.2		11.9		16			
SR7	Cloudy	Moderate	09:44	16.5	Surface	1.0	0.4	181	19.2	19.2	8.1	8.1	32.1	32.1	87.8	87.8	6.7	6.7	12.8	12.6	5	5	823645	823754
						1.0	0.4	198	19.2		8.1		32.1		87.8		6.7		12.8		4			
					Middle	8.3	0.5	190	19.2	19.2	8.1	8.1	32.1	32.1	87.8	87.8	6.7		11.7		5			
						8.3	0.5	201	19.2		8.1		32.1		87.8		6.7		12.4		5			
					Bottom	15.5	0.5	187	19.2	19.2	8.1	8.1	32.1	32.1	87.8	87.8	6.7	6.7	12.9		5			
						15.5	0.5	188	19.2		8.1		32.1		87.8		6.7		12.9		5			
SR8	Cloudy	Moderate	11:09	4.8	Surface	1.0	-	-	19.3	19.3	8.2	8.2	31.4	31.4	87.0	86.9	6.7	6.7	7.6	10.3	5	5	820405	811617
						1.0	-	-	19.3		8.2		31.4		86.8		6.7		7.7		5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.8	-	-	19.2	19.2	8.2	8.2	31.6	31.6	84.8	84.7	6.5	6.5	12.8		5			
						3.8	-	-	19.2		8.2		31.6		84.5		6.5		13.0		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 January 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	17:23	8.3	Surface	1.0	0.3	252	20.5	20.5	8.1	8.1	30.6	30.6	94.4	94.4	7.1	7.0	5.3	6.5	17	22	815629	804265
						1.0	0.3	259	20.5		8.1		30.6		94.4		7.1		5.3		17			
					Middle	4.2	0.3	230	20.3	20.3	8.1	8.1	30.9	30.9	91.3	91.3	6.9		6.6		20			
						4.2	0.3	246	20.3		8.1		30.9		91.3		6.9		6.6		20			
					Bottom	7.3	0.3	225	20.3	20.3	8.1	8.1	31.2	31.2	91.1	91.1	6.9	6.9	7.4		30			
						7.3	0.3	241	20.3		8.1		31.2		91.1		6.9		7.5		29			
C2	Cloudy	Moderate	19:14	11.5	Surface	1.0	0.3	162	19.2	19.2	8.1	8.1	30.8	30.8	89.8	89.9	6.9	7.0	6.3	7.5	14	17	825688	806944
						1.0	0.3	171	19.2		8.1		30.8		89.9		6.9		6.4		13			
					Middle	5.8	0.3	171	19.3	19.3	8.1	8.1	30.9	30.9	90.6	90.7	7.0		7.8		17			
						5.8	0.3	172	19.3		8.1		30.9		90.7		7.0		7.9		18			
					Bottom	10.5	0.2	194	19.3	19.3	8.1	8.1	30.9	30.9	91.8	91.9	7.1	7.1	8.4		21			
						10.5	0.2	196	19.3		8.1		30.9		92.0		7.1		8.5		21			
C3	Cloudy	Moderate	16:45	12.1	Surface	1.0	0.6	71	19.2	19.2	8.1	8.1	31.7	31.7	88.4	88.5	6.8	6.8	9.1	16.3	13	11	822094	817815
						1.0	0.6	75	19.2		8.1		31.7		88.5		6.8		9.5		13			
					Middle	6.1	0.3	82	19.2	19.2	8.1	8.1	31.8	31.8	88.6	88.7	6.8		10.1		11			
						6.1	0.4	84	19.2		8.1		31.8		88.7		6.8		10.1		11			
					Bottom	11.1	0.3	86	19.2	19.2	8.1	8.1	31.8	31.8	89.5	89.6	6.9	6.9	30.0		9			
						11.1	0.3	86	19.2		8.1		31.8		89.6		6.9		28.8		9			
IM1	Cloudy	Moderate	17:12	5.4	Surface	1.0	0.2	202	20.7	20.7	8.1	8.1	31.3	31.3	92.2	92.3	6.9	6.9	8.4	7.9	27	25	817964	807110
						1.0	0.2	210	20.7		8.1		31.3		92.3		6.9		8.4		26			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.4	0.2	223	20.8	20.8	8.1	8.1	31.4	31.4	93.2	93.3	7.0	7.0	7.4		22			
						4.4	0.2	244	20.8		8.1		31.4		93.3		7.0		7.4		23			
IM2	Cloudy	Moderate	17:05	7.2	Surface	1.0	0.4	190	20.6	20.6	8.1	8.1	31.0	31.0	93.1	93.1	7.0	7.0	4.0	6.9	26	22	818171	806178
						1.0	0.4	203	20.6		8.1		31.1		93.1		7.0		4.1		27			
					Middle	3.6	0.3	176	20.5	20.5	8.1	8.1	31.1	31.0	91.5	91.6	6.9		5.6		24			
						3.6	0.3	185	20.5		8.1		31.0		91.6		6.9		5.6		23			
					Bottom	6.2	0.2	151	20.4	20.4	8.0	8.0	31.1	31.1	89.3	89.3	6.7	6.7	10.9		15			
						6.2	0.2	153	20.4		8.0		31.1		89.3		6.7		11.0		14			
IM3	Cloudy	Moderate	16:59	7.5	Surface	1.0	0.2	200	20.6	20.6	8.1	8.1	31.0	31.0	93.7	93.7	7.1	7.0	3.9	4.2	22	17	818772	805612
						1.0	0.2	213	20.6		8.1		31.0		93.7		7.1		3.9		22			
					Middle	3.8	0.2	206	20.5	20.5	8.1	8.1	31.1	31.1	91.0	91.0	6.9		4.0		18			
						3.8	0.2	207	20.5		8.1		31.1		91.0		6.9		4.1		17			
					Bottom	6.5	0.1	136	20.4	20.4	8.1	8.1	31.2	31.2	89.3	89.3	6.7	6.7	4.6		12			
						6.5	0.1	138	20.4		8.1		31.2		89.3		6.7		4.6		12			
IM4	Cloudy	Moderate	16:40	8.1	Surface	1.0	0.4	184	20.6	20.6	8.0	8.0	30.6	30.6	91.3	91.3	6.9	6.9	5.0	6.5	11	13	819732	804599
						1.0	0.4	201	20.6		8.0		30.6		91.3		6.9		5.0		11			
					Middle	4.1	0.3	179	20.5	20.5	8.0	8.0	31.1	31.1	90.4	90.4	6.8		6.9		13			
						4.1	0.3	186	20.5		8.0		31.1		90.4		6.8		7.0		13			
					Bottom	7.1	0.3	188	20.6	20.6	8.0	8.0	31.4	31.4	90.0	90.0	6.8	6.8	7.5		15			
						7.1	0.3	201	20.6		8.0		31.4		90.0		6.8		7.5		14			
IM5	Cloudy	Moderate	16:34	7.7	Surface	1.0	0.2	241	20.6	20.6	8.0	8.0	30.7	30.7	91.7	91.7	6.9	6.9	5.2	6.4	8	10	820715	804870
						1.0	0.2	244	20.6		8.0		30.7		91.7		6.9		5.3		7			
					Middle	3.9	0.1	162	20.5	20.5	8.0	8.0	31.1	31.1	90.7	90.7	6.8		7.2		10			
						3.9	0.1	164	20.5		8.0		31.1		90.7		6.8		7.1		10			
					Bottom	6.7	0.1	124	20.6	20.6	8.0	8.0	31.2	31.2	91.0	91.0	6.8	6.8	6.9		11			
						6.7	0.1	125	20.6		8.0		31.2		91.0		6.8		6.9		11			
IM6	Cloudy	Moderate	16:26	7.8	Surface	1.0	0.2	161	20.5	20.5	8.0	8.0	31.0	31.0	90.6	90.6	6.8	6.8	6.8	7.3	9	11	821041	805825
						1.0	0.2	170	20.5		8.0		31.0		90.6		6.8		6.8		9			
					Middle	3.9	0.3	125	20.5	20.5	8.0	8.0	31.1	31.1	90.5	90.5	6.8		7.4		11			
						3.9	0.3	134	20.5		8.0		31.2		90.5		6.8		7.4		11			
					Bottom	6.8	0.2	98	20.6	20.6	8.0	8.0	31.2	31.2	91.3	91.4	6.9	6.9	7.8		12			
						6.8	0.2	107	20.6		8.0		31.2		91.5		6.9		7.8		12			
IM7	Cloudy	Moderate	16:20	8.3	Surface	1.0	0.1	255	20.6	20.6	8.1	8.1	31.4	31.4	91.4	91.4	6.9	6.9	7.9	8.5	12	11	821361	806855
						1.0	0.1	278	20.6		8.1		31.4		91.4		6.9		7.9		11			
					Middle	4.2	0.1	189	20.6	20.6	8.1	8.1	31.4	31.4	91.4	91.4	6.9		8.3		11			
						4.2	0.1	199	20.6		8.1		31.4		91.4		6.9		8.3		11			
					Bottom	7.3	0.2	181	20.6	20.6	8.1	8.1	31.4	31.4	92.1	92.1	6.9	6.9	9.4		10			
						7.3	0.2	181	20.6		8.1		31.4		92.1		6.9		9.4		10			
IM8	Cloudy	Moderate	18:02	7.7	Surface	1.0	0.2	109	19.2	19.2	8.1	8.1	30.8	30.8	90.7	90.8	7.0	7.1	15.9	16.4	10	7	821831	808123
						1.0	0.2	114	19.2		8.1		30.8		90.8		7.0		16.0		9			
					Middle	3.9	0.2	91	19.2	19.2	8.1	8.1	30.8	30.8	92.6	92.9	7.1		16.2		7			
						3.9	0.3	93	19.2		8.1		30.8		93.2		7.2		14.9		7			
					Bottom	6.7	0.2	59	19.2	19.2	8.2	8.2	30.8	30.8	94.3	94.5	7.3	7.3	18.1		5			
						6.7	0.3	64	19.2		8.2		30.8		94.6		7.3		17.3		5			

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 January 22 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	17:31	7.6	Surface	1.0	0.5	100	19.2	19.2	8.1	8.1	30.8	30.8	90.2	90.2	6.9	7.0	10.2	15.7	11	9	822098	808795
						1.0	0.5	100	19.2		8.1		30.8		90.2		6.9		10.3		11			
					Middle	3.8	0.5	89	19.2	19.2	8.1	8.1	30.8	30.8	91.1	91.2	7.0		13.3		9			
						3.8	0.5	91	19.2		8.1		30.9		91.3		7.0		13.1		9			
					Bottom	6.6	0.4	72	19.1	19.1	8.1	8.1	30.9	30.8	93.8	93.9	7.2	7.2	24.5		8			
						6.6	0.4	72	19.1		8.1		30.8		94.0		7.2		22.9		8			
IM10	Cloudy	Moderate	17:20	8.0	Surface	1.0	0.8	114	19.1	19.1	8.1	8.1	30.9	30.9	90.6	90.6	7.0	7.0	6.6	16.6	14	12	822391	809779
						1.0	0.8	123	19.1		8.1		30.9		90.6		7.0		6.5		14			
					Middle	4.0	0.7	110	19.2	19.2	8.1	8.1	30.9	30.9	89.0	89.0	6.9		8.5		12			
						4.0	0.8	118	19.2		8.1		30.9		89.0		6.9		8.5		12			
					Bottom	7.0	0.5	98	19.2	19.2	8.1	8.1	31.1	31.1	90.2	90.4	6.9	7.0	34.9		9			
						7.0	0.5	107	19.2		8.1		31.1		90.5		7.0		34.7		9			
IM11	Cloudy	Moderate	17:14	7.0	Surface	1.0	0.8	107	19.2	19.2	8.1	8.1	31.3	31.3	89.0	89.0	6.8	6.9	9.6	10.0	8	9	822058	811472
						1.0	0.8	110	19.2		8.1		31.3		89.0		6.8		9.7		6			
					Middle	3.5	0.7	106	19.2	19.2	8.1	8.1	31.3	31.3	89.2	89.3	6.9		10.6		8			
						3.5	0.8	112	19.2		8.1		31.3		89.3		6.9		10.6		9			
					Bottom	6.0	0.4	108	19.2	19.2	8.1	8.1	31.3	31.3	91.0	91.1	7.0	7.0	9.8		10			
						6.0	0.4	115	19.2		8.1		31.3		91.1		7.0		9.9		10			
IM12	Cloudy	Moderate	17:04	8.8	Surface	1.0	0.7	107	19.1	19.1	8.2	8.2	31.4	31.4	89.6	89.6	6.9	6.9	9.3	11.6	8	8	821463	812029
						1.0	0.8	107	19.1		8.2		31.4		89.6		6.9		9.4		8			
					Middle	4.4	0.6	105	19.1	19.1	8.2	8.2	31.4	31.4	89.2	89.2	6.9		13.4		8			
						4.4	0.6	111	19.1		8.2		31.4		89.1		6.9		12.5		7			
					Bottom	7.8	0.3	90	19.1	19.1	8.2	8.2	31.4	31.4	89.0	89.0	6.8	6.8	12.4		7			
						7.8	0.3	97	19.1		8.2		31.4		89.0		6.8		12.4		7			
SR1A	Cloudy	Moderate	16:52	5.4	Surface	1.0	-	-	19.1	19.1	8.1	8.1	31.6	31.6	90.0	90.1	6.9	6.9	8.7	11.1	12	13	819978	812660
						1.0	-	-	19.1		8.1		31.6		90.1		6.9		9.2		11			
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-			
						2.7	-	-	-		-		-		-		-		-		-			
					Bottom	4.4	-	-	19.1	19.1	8.1	8.1	31.5	31.5	92.0	92.0	7.1	7.1	13.3		14			
						4.4	-	-	19.1		8.1		31.5		92.0		7.1		13.1		14			
SR2	Cloudy	Moderate	16:51	4.5	Surface	1.0	0.3	67	19.0	19.0	8.2	8.2	31.4	31.4	96.5	96.7	7.4	7.4	15.2	19.1	9	9	821444	814147
						1.0	0.3	69	19.0		8.2		31.4		96.8		7.4		15.8		10			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.5	0.1	27	19.0	19.0	8.2	8.2	31.4	31.4	98.7	99.0	7.6	7.6	22.9		9			
						3.5	0.1	27	19.0		8.2		31.4		99.2		7.6		22.6		9			
SR3	Cloudy	Moderate	18:42	8.2	Surface	1.0	0.2	142	19.1	19.1	8.1	8.1	30.8	30.8	90.8	90.9	7.0	7.1	9.1	19.3	11	13	822126	807556
						1.0	0.2	152	19.1		8.1		30.8		90.9		7.0		9.2		11			
					Middle	4.1	0.2	118	19.1	19.1	8.1	8.1	30.8	30.8	93.4	93.5	7.2		13.5		12			
						4.1	0.2	121	19.1		8.1		30.8		93.6		7.2		13.4		12			
					Bottom	7.2	0.2	80	19.1	19.1	8.1	8.1	30.8	30.8	94.8	95.0	7.3	7.3	36.3		15			
						7.2	0.2	85	19.1		8.1		30.8		95.2		7.3		34.1		14			
SR4A	Cloudy	Moderate	17:37	9.7	Surface	1.0	0.2	76	20.7	20.7	8.1	8.1	31.3	31.3	92.7	92.7	7.0	7.0	5.9	7.1	15	13	817195	807794
						1.0	0.2	81	20.7		8.1		31.3		92.7		7.0		5.9		15			
					Middle	4.9	0.1	79	20.6	20.6	8.1	8.1	31.3	31.3	91.4	91.4	6.9		6.6		13			
						4.9	0.1	83	20.6		8.1		31.3		91.4		6.9		6.7		14			
					Bottom	8.7	0.2	37	20.6	20.6	8.1	8.1	31.3	31.3	91.5	91.6	6.9	6.9	8.6		12			
						8.7	0.2	38	20.6		8.1		31.3		91.6		6.9		8.7		11			
SR5A	Cloudy	Moderate	17:51	3.9	Surface	1.0	0.0	47	20.9	20.9	8.0	8.0	31.6	31.6	90.6	90.6	6.8	6.8	3.2	4.5	15	15	816610	810685
						1.0	0.0	47	20.9		8.0		31.6		90.6		6.8		3.2		15			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	2.9	0.1	343	20.8	20.8	8.0	8.0	31.6	31.6	90.9	91.0	6.8	6.8	5.9		14			
						2.9	0.1	353	20.8		8.0		31.6		91.1		6.8		5.9		14			
SR6A	Cloudy	Moderate	18:17	4.7	Surface	1.0	0.1	344	21.2	21.2	8.1	8.1	31.3	31.3	94.1	94.1	7.0	7.0	4.7	6.2	9	10	817971	814750
						1.0	0.1	316	21.2		8.1		31.3		94.1		7.0		4.8		9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.7	0.1	15	20.7	20.7	8.1	8.1	31.5	31.5	90.0	90.1	6.7	6.7	7.7		11			
						3.7	0.1	15	20.7		8.1		31.5		90.1		6.7		7.7		11			
SR7	Cloudy	Moderate	16:37	16.4	Surface	1.0	1.1	68	19.1	19.1	7.9	7.9	31.9	31.9	87.2	87.2	6.7	6.7	3.4	7.7	11	10	823618	823734
						1.0	1.1	74	19.1		7.9		31.9		87.2		6.7		3.4		12			
					Middle	8.2	0.6	73	19.2	19.2	7.9	7.9	32.0	32.0	86.4	86.4	6.6		3.9		11			
						8.2	0.7	78	19.2		7.9		32.0		86.4		6.6		3.9		11			
					Bottom	15.4	0.4	16	19.2	19.2	7.9	7.9	32.0	32.0	86.4	86.4	6.6	6.6	15.7		8			
						15.4	0.5	16	19.2		7.9		32.0		86.4		6.6		15.8		8			
SR8	Cloudy	Moderate	16:57	4.6	Surface	1.0	-	-	19.4	19.4	8.2	8.2	31.5	31.5	89.0	88.9	6.8	6.8	6.5	17.7	8	9	820397	811631
						1.0	-	-	19.3		8.2		31.5		88.8		6.8		6.5		8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.6	-	-	19.0	19.0	8.3	8.3	31.4	31.4	83.0	82.9	6.4	6.4	29.1		10			
						3.6	-	-	19.0		8.3		31.4		82.7		6.4		28.7		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 08 January 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	11:39	8.2	Surface	1.0	0.7	42	19.9	19.9	8.0	8.0	31.2	31.2	91.2	91.2	7.0	7.0	4.0	6.1	11	14	815606	804267
						1.0	0.7	43	19.9		8.0		31.2		91.2		7.0		4.0		11			
					Middle	4.1	0.6	34	19.9	19.9	8.0	8.0	31.3	31.3	90.3	90.3	6.9		6.3		15			
						4.1	0.7	35	19.9		8.0		31.3		90.3		6.9		6.3		14			
					Bottom	7.2	0.6	40	19.9	19.9	8.0	8.0	31.4	31.4	90.4	90.5	6.9	6.9	7.9		16			
						7.2	0.7	40	19.9		8.0		31.4		90.5		6.9		7.9		15			
C2	Cloudy	Moderate	10:31	11.7	Surface	1.0	0.6	11	19.3	19.3	8.1	8.1	30.7	30.7	89.5	89.5	6.9	6.9	5.0	7.0	15	15	825681	806925
						1.0	0.6	11	19.3		8.2		30.7		89.5		6.9		5.1		16			
					Middle	5.9	0.5	8	19.3	19.3	8.2	8.2	30.9	30.9	89.8	89.9	6.9		6.9		15			
						5.9	0.6	8	19.3		8.2		30.9		89.9		6.9		7.0		15			
					Bottom	10.7	0.3	351	19.3	19.3	8.2	8.2	30.9	30.9	91.5	91.6	7.0	7.0	8.9		13			
						10.7	0.4	323	19.3		8.2		30.9		91.7		7.0		8.9		13			
C3	Cloudy	Moderate	12:36	12.1	Surface	1.0	0.7	264	19.3	19.3	8.2	8.2	31.8	31.8	87.4	87.4	6.7	6.7	4.1	10.7	16	13	822099	817791
						1.0	0.7	265	19.3		8.2		31.8		87.3		6.7		4.4		16			
					Middle	6.1	0.8	265	19.2	19.2	8.2	8.2	31.9	31.9	87.2	87.3	6.7		11.0		13			
						6.1	0.9	281	19.2		8.2		31.9		87.3		6.7		11.6		13			
					Bottom	11.1	0.5	269	19.2	19.2	8.2	8.2	31.9	31.9	88.5	88.7	6.8	6.8	16.6		8			
						11.1	0.6	293	19.2		8.2		31.9		88.9		6.8		16.4		9			
IM1	Cloudy	Moderate	11:55	5.2	Surface	1.0	0.3	10	20.2	20.2	8.1	8.1	31.5	31.5	92.4	92.4	7.0	7.0	8.3	9.8	14	13	817933	807153
						1.0	0.3	10	20.2		8.1		31.5		92.4		7.0		8.4		12			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	4.2	0.2	5	20.0	20.0	8.1	8.1	31.7	31.6	92.7	92.8	7.0	7.1	11.3		12			
						4.2	0.2	5	20.0		8.1		31.6		92.8		7.1		11.3		12			
IM2	Cloudy	Moderate	12:03	6.9	Surface	1.0	0.4	0	20.1	20.1	8.0	8.0	31.2	31.2	89.9	89.9	6.8	6.8	5.6	6.9	15	13	818151	806177
						1.0	0.4	0	20.1		8.0		31.2		89.9		6.8		5.6		15			
					Middle	3.5	0.4	8	19.9	19.9	8.1	8.1	31.2	31.2	89.3	89.3	6.8		6.6		13			
						3.5	0.4	8	19.9		8.1		31.2		89.3		6.8		6.7		12			
					Bottom	5.9	0.3	358	19.9	19.9	8.1	8.1	31.2	31.2	89.3	89.3	6.8	6.8	8.5		10			
						5.9	0.3	329	19.9		8.1		31.2		89.3		6.8		8.6		10			
IM3	Cloudy	Moderate	12:11	7.2	Surface	1.0	0.4	340	19.8	19.9	8.0	8.0	31.1	31.1	88.2	88.2	6.7	6.7	4.7	4.7	17	14	818779	805588
						1.0	0.4	340	19.9		8.0		31.1		88.2		6.7		4.7		17			
					Middle	3.6	0.4	335	19.8	19.8	8.0	8.0	31.1	31.1	88.1	88.1	6.7		3.9		15			
						3.6	0.4	344	19.8		8.0		31.1		88.1		6.7		3.8		15			
					Bottom	6.2	0.4	339	19.8	19.8	8.0	8.0	31.1	31.1	88.3	88.3	6.8	6.8	5.7		10			
						6.2	0.4	312	19.8		8.0		31.1		88.3		6.8		5.7		10			
IM4	Cloudy	Moderate	12:21	7.8	Surface	1.0	0.9	344	20.0	20.0	8.0	8.0	31.1	31.1	89.3	89.2	6.8	6.8	5.5	6.7	16	15	819722	804608
						1.0	1.0	359	20.0		8.0		31.1		89.1		6.8		5.6		17			
					Middle	3.9	0.7	342	19.8	19.8	8.0	8.0	31.1	31.1	87.6	87.6	6.7		6.8		14			
						3.9	0.8	315	19.8		8.0		31.1		87.6		6.7		6.8		14			
					Bottom	6.8	0.6	335	19.8	19.8	8.0	8.0	31.1	31.1	87.8	87.8	6.7	6.7	7.6		13			
						6.8	0.6	343	19.8		8.0		31.1		87.8		6.7		7.6		13			
IM5	Cloudy	Moderate	12:28	8.1	Surface	1.0	0.9	10	19.9	19.9	8.0	8.0	31.0	31.0	89.1	89.1	6.8	6.8	7.0	7.7	14	16	820738	804850
						1.0	1.0	10	19.9		8.0		31.0		89.1		6.8		7.0		14			
					Middle	4.1	0.9	9	19.9	19.9	8.0	8.0	31.1	31.1	88.6	88.6	6.8		7.4		16			
						4.1	0.9	9	19.9		8.0		31.1		88.6		6.8		7.4		16			
					Bottom	7.1	0.8	9	19.8	19.8	8.0	8.0	31.1	31.1	88.6	88.6	6.8	6.8	8.6		19			
						7.1	0.8	9	19.8		8.0		31.1		88.6		6.8		8.6		19			
IM6	Cloudy	Moderate	12:35	7.5	Surface	1.0	0.1	50	20.1	20.1	8.0	8.0	30.6	30.6	91.4	91.4	7.0	7.0	4.6	6.3	20	17	821074	805805
						1.0	0.1	51	20.1		8.0		30.6		91.4		7.0		4.6		19			
					Middle	3.8	0.3	37	20.0	20.0	8.1	8.1	31.0	31.0	90.3	90.3	6.9		6.6		17			
						3.8	0.4	40	20.0		8.1		31.0		90.3		6.9		6.6		17			
					Bottom	6.5	0.4	44	20.1	20.1	8.1	8.1	31.4	31.4	90.2	90.2	6.8	6.8	7.7		14			
						6.5	0.4	44	20.1		8.1		31.4		90.2		6.8		7.7		14			
IM7	Cloudy	Moderate	12:42	7.5	Surface	1.0	0.1	223	20.2	20.2	8.1	8.1	31.5	31.5	92.3	92.3	7.0	7.0	10.2	10.8	12	10	821372	806852
						1.0	0.1	244	20.2		8.1		31.5		92.3		7.0		10.1		12			
					Middle	3.8	0.2	115	20.2	20.2	8.1	8.1	31.5	31.5	91.9	91.9	7.0		11.7		10			
						3.8	0.2	126	20.2		8.1		31.5		91.9		7.0		11.7		10			
					Bottom	6.5	0.2	92	20.1	20.1	8.1	8.1	31.5	31.5	91.9	91.9	7.0	7.0	10.7		9			
						6.5	0.2	95	20.1		8.1		31.5		91.9		7.0		10.7		8			
IM8	Cloudy	Moderate	10:57	7.2	Surface	1.0	0.2	73	19.2	19.2	8.1	8.1	31.0	31.0	89.5	89.5	6.9	6.9	7.2	9.0	10	12	821807	808147
						1.0	0.2	77	19.2		8.1		31.0		89.4		6.9		7.4		10			
					Middle	3.6	0.2	74	19.2	19.2	8.1	8.1	31.1	31.1	89.4	89.5	6.9		9.1		12			
						3.6	0.2	77	19.2		8.1		31.1		89.5		6.9		9.2		12			
					Bottom	6.2	0.1	76	19.2	19.2	8.2	8.2	31.2	31.2	90.6	90.7	7.0	7.0	10.6		13			
						6.2	0.1	76	19.1		8.2		31.2		90.8		7.0		10.6		13			

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 January 22 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°c)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	11:04	6.7	Surface	1.0	0.3	81	19.1	19.1	8.2	8.2	31.4	31.4	91.7	91.8	7.0	7.1	7.5	9.1	10	11	822090	808815
						1.0	0.3	84	19.1		8.2		31.4		91.8		7.1		7.8		9			
					Middle	3.4	0.3	79	19.1	19.1	8.2	8.2	31.4	31.4	92.9	93.0	7.1		9.0		11			
						3.4	0.3	81	19.1		8.2		31.4		93.1		7.2		9.0		11			
					Bottom	5.7	0.2	71	19.1	19.1	8.2	8.2	31.4	31.4	95.3	95.5	7.3	7.3	11.2		12			
						5.7	0.2	75	19.1		8.2		31.4		95.6		7.3		10.3		12			
IM10	Cloudy	Moderate	11:11	7.3	Surface	1.0	0.7	304	19.2	19.2	8.2	8.2	31.4	31.4	90.5	90.5	6.9	7.0	7.2	8.7	11	9	822395	809783
						1.0	0.7	306	19.2		8.2		31.4		90.5		6.9		7.5		11			
					Middle	3.7	0.6	301	19.1	19.1	8.2	8.2	31.4	31.4	90.5	90.6	7.0		8.6		9			
						3.7	0.6	301	19.1		8.2		31.4		90.6		7.0		8.8		9			
					Bottom	6.3	0.5	302	19.1	19.1	8.2	8.2	31.4	31.4	91.4	91.5	7.0	7.0	10.1		8			
						6.3	0.5	310	19.1		8.2		31.4		91.5		7.0		10.1		8			
IM11	Cloudy	Moderate	11:24	6.9	Surface	1.0	0.7	300	19.3	19.3	8.2	8.2	31.6	31.6	91.3	91.3	7.0	7.0	8.7	11.2	8	10	822038	811482
						1.0	0.7	328	19.3		8.2		31.6		91.3		7.0		9.1		7			
					Middle	3.5	0.6	302	19.1	19.1	8.2	8.2	31.6	31.6	91.2	91.3	7.0		11.7		9			
						3.5	0.6	305	19.1		8.2		31.6		91.3		7.0		11.8		9			
					Bottom	5.9	0.4	310	19.1	19.1	8.2	8.2	31.6	31.5	91.9	92.0	7.1	7.1	13.3		13			
						5.9	0.4	340	19.1		8.2		31.5		92.0		7.1		12.6		13			
IM12	Cloudy	Moderate	11:32	8.2	Surface	1.0	0.8	281	19.2	19.2	8.2	8.2	31.6	31.6	89.5	89.5	6.9	6.9	8.8	10.4	30	23	821464	812057
						1.0	0.8	293	19.2		8.2		31.6		89.5		6.9		8.9		29			
					Middle	4.1	0.7	279	19.2	19.2	8.2	8.2	31.7	31.7	89.6	89.7	6.9		9.6		25			
						4.1	0.7	279	19.2		8.2		31.7		89.7		6.9		9.9		24			
					Bottom	7.2	0.6	277	19.2	19.2	8.2	8.2	31.7	31.7	91.2	91.3	7.0	7.0	12.7		14			
						7.2	0.7	297	19.2		8.2		31.7		91.3		7.0		12.8		13			
SR1A	Cloudy	Moderate	12:02	4.8	Surface	1.0	-	-	19.3	19.3	8.2	8.2	31.6	31.6	89.4	89.5	6.8	6.8	6.7	6.1	6	6	819978	812662
						1.0	-	-	19.3		8.2		31.6		89.5		6.8		6.7		6			
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-			
						2.4	-	-	-		-		-		-		-		-		-			
					Bottom	3.8	-	-	19.4	19.5	8.2	8.2	31.5	31.5	90.7	90.9	6.9	6.9	5.4		6			
						3.8	-	-	19.5		8.2		31.5		91.0		6.9		5.5		6			
SR2	Cloudy	Moderate	12:16	4.2	Surface	1.0	0.2	341	19.3	19.3	8.2	8.2	31.5	31.5	90.9	91.0	7.0	7.0	9.9	10.9	9	8	821446	814154
						1.0	0.2	347	19.3		8.2		31.5		91.0		7.0		10.2		10			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.2	0.2	351	19.3	19.3	8.2	8.2	31.5	31.5	91.6	91.7	7.0	7.0	11.7		6			
						3.2	0.2	323	19.3		8.2		31.5		91.7		7.0		11.7		6			
SR3	Cloudy	Moderate	10:52	8.5	Surface	1.0	0.3	72	19.2	19.2	8.1	8.1	30.7	30.7	90.1	90.1	6.9	7.0	7.4	10.0	12	15	822163	807573
						1.0	0.3	74	19.2		8.1		30.7		90.1		6.9		7.8		12			
					Middle	4.3	0.2	73	19.1	19.1	8.1	8.1	30.7	30.7	90.2	90.3	7.0		10.9		16			
						4.3	0.2	75	19.1		8.1		30.7		90.3		7.0		11.0		15			
					Bottom	7.5	0.2	55	19.1	19.1	8.2	8.2	30.7	30.8	90.7	90.8	7.0	7.0	11.6		18			
						7.5	0.2	58	19.1		8.2		30.8		90.8		7.0		11.4		18			
SR4A	Cloudy	Moderate	11:20	9.2	Surface	1.0	0.1	142	20.1	20.1	8.1	8.1	31.6	31.6	90.7	90.7	6.9	6.9	7.7	8.0	10	11	817205	807801
						1.0	0.1	149	20.1		8.1		31.6		90.7		6.9		7.8		10			
					Middle	4.6	0.1	83	20.0	20.0	8.1	8.1	31.6	31.6	90.8	90.8	6.9		7.9		11			
						4.6	0.1	86	20.0		8.1		31.6		90.8		6.9		7.9		11			
					Bottom	8.2	0.1	109	20.0	20.0	8.1	8.1	31.6	31.6	90.9	90.9	6.9	6.9	8.4		12			
						8.2	0.1	118	20.0		8.1		31.6		90.9		6.9		8.5		12			
SR5A	Cloudy	Moderate	11:03	3.5	Surface	1.0	0.1	255	20.0	20.0	8.0	8.0	31.6	31.6	88.3	88.3	6.7	6.7	10.3	10.7	10	12	816594	810678
						1.0	0.1	278	20.0		8.0		31.6		88.3		6.7		10.3		11			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	2.5	0.1	296	20.0	20.0	8.0	8.0	31.6	31.6	88.3	88.3	6.7	6.7	11.0		13			
						2.5	0.1	299	20.0		8.0		31.6		88.3		6.7		11.1		12			
SR6A	Cloudy	Moderate	10:35	4.2	Surface	1.0	0.1	227	20.0	20.0	8.0	8.0	31.5	31.5	88.1	88.1	6.7	6.7	6.6	8.3	8	9	817966	814754
						1.0	0.1	247	20.0		8.0		31.5		88.1		6.7		6.7		8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.2	0.0	233	19.9	19.9	8.0	8.0	31.5	31.5	87.5	87.5	6.7	6.7	9.9		9			
						3.2	0.0	244	19.9		8.0		31.5		87.5		6.7		9.9		9			
SR7	Cloudy	Moderate	13:07	16.4	Surface	1.0	0.2	108	19.4	19.4	8.1	8.1	32.2	32.2	85.9	85.9	6.5	6.5	3.1	4.8	13	15	823651	823735
						1.0	0.2	118	19.3		8.1		32.2		85.9		6.5		3.1		13			
					Middle	8.2	0.2	67	19.3	19.3	8.1	8.1	32.3	32.3	85.7	85.7	6.5		5.4		15			
						8.2	0.2	71	19.3		8.1		32.3		85.7		6.5		5.4		15			
					Bottom	15.4	0.3	33	19.3	19.3	8.2	8.2	32.3	32.3	87.4	87.6	6.7	6.7	6.0		18			
						15.4	0.4	33	19.3		8.2		32.3		87.7		6.7		5.9		17			
SR8	Cloudy	Moderate	11:41	4.2	Surface	1.0	-	-	19.2	19.2	8.2	8.2	31.6	31.6	89.0	88.9	6.8	6.8	8.0	9.1	15	21	820400	811637
						1.0	-	-	19.2		8.2		31.6		88.7		6.8		8.2		15			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-			
						-	-	-	-		-		-		-		-		-		-			
					Bottom	3.2	-	-	19.2	19.2	8.2	8.2	31.5	31.5	86.4	86.3	6.6	6.6	10.0		26			
						3.2	-	-	19.2		8.2		31.5		86.1		6.6		10.4		26			

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 January 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 (ppm)		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	07:40	7.6	Surface	1.0	0.2	196	19.3	19.3	8.1	8.1	32.9	32.9	103.8	104.0	7.9	7.9	6.9	7.5	5	6	82	86	815606	804242	<0.2	<0.2	0.8	0.8
						1.0	0.2	202	19.3		8.1		32.9		104.1		7.9		6.9		6		82				<0.2		0.7	
					Middle	3.8	0.2	203	19.3	19.3	8.1	8.1	32.8	32.8	104.5	104.7	7.9		7.2		5		86				<0.2		0.8	
						3.8	0.2	221	19.3		8.1		32.8		104.8		8.0		7.3		6		86				<0.2		0.7	
					Bottom	6.6	0.2	221	19.3	19.3	8.0	8.0	32.7	32.7	105.3	105.5	8.0	8.0	8.4		7		89				<0.2		0.7	
						6.6	0.2	234	19.2		7.9		32.7		105.7		8.0		8.5		8		89				<0.2		0.8	
C2	Cloudy	Rough	08:41	10.8	Surface	1.0	0.1	264	19.0	19.0	8.1	8.1	31.8	31.8	88.8	88.8	6.8	6.8	2.6	3.8	7	6	83	87	825701	806946	<0.2	<0.2	0.7	0.7
						1.0	0.2	278	19.0		8.1		31.8		88.8		6.8		2.6		7		83				<0.2		0.7	
					Middle	5.4	0.2	265	19.0	19.0	8.1	8.1	31.8	31.8	88.2	88.2	6.8		2.8		6		87				<0.2		0.7	
						5.4	0.2	280	19.0		8.1		31.8		88.1		6.8		2.8		5		87				<0.2		0.7	
					Bottom	9.8	0.2	273	19.2	19.2	8.1	8.1	32.0	32.0	86.7	86.8	6.6	6.6	6.1		4		90				<0.2		0.8	
						9.8	0.2	280	19.2		8.2		32.0		86.8		6.6		6.0		5		89				<0.2		0.8	
C3	Cloudy	Rough	06:29	12.0	Surface	1.0	0.1	166	19.1	19.1	8.1	8.1	32.1	32.1	86.3	86.3	6.6	6.6	1.3	1.8	4	4	84	87	822107	817802	<0.2	<0.2	0.6	0.7
						1.0	0.1	179	19.1		8.1		32.1		86.3		6.6		1.3		5		84				<0.2		0.7	
					Middle	6.0	0.1	207	19.1	19.1	8.1	8.1	32.2	32.2	85.8	85.8	6.6		1.3		5		87				<0.2		0.7	
						6.0	0.1	215	19.1		8.1		32.2		85.8		6.6		1.4		4		87				<0.2		0.7	
					Bottom	11.0	0.1	270	19.2	19.2	8.1	8.1	32.5	32.5	84.2	84.3	6.4	6.4	2.9		4		91				<0.2		0.7	
						11.0	0.1	290	19.2		8.1		32.5		84.3		6.4		2.8		4		91				<0.2		0.7	
IM1	Misty	Moderate	07:53	4.2	Surface	1.0	0.3	314	19.4	19.4	8.1	8.1	33.1	33.1	99.9	100.0	7.6	7.6	6.4	7.1	6	6	83	87	817956	807118	<0.2	<0.2	0.8	0.8
						1.0	0.3	337	19.4		8.1		33.1		100.0		7.6		6.5		6		83				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	311	19.3	19.3	8.1	8.1	33.1	33.1	100.7	100.8	7.6	7.6	7.8		7		91				<0.2		0.8	
						3.2	0.2	322	19.3		8.1		33.1		100.9		7.6		7.8		6		91				<0.2		0.8	
IM2	Misty	Moderate	08:00	6.2	Surface	1.0	0.1	356	19.4	19.4	8.1	8.1	33.2	33.2	101.0	101.0	7.6	7.7	3.4	4.3	7	6	85	87	818168	806142	<0.2	<0.2	0.8	0.8
						1.0	0.1	356	19.4		8.1		33.2		101.0		7.6		3.5		6		84				<0.2		0.7	
					Middle	3.1	0.0	59	19.3	19.3	8.1	8.1	33.2	33.2	102.6	102.8	7.8		4.3		6		86				<0.2		0.8	
						3.1	0.0	60	19.3		8.1		33.2		102.9		7.8		4.3		7		86				<0.2		0.8	
					Bottom	5.2	0.1	34	19.3	19.3	8.1	8.1	33.2	33.2	104.5	104.6	7.9	7.9	5.2		6		90				<0.2		0.8	
						5.2	0.1	36	19.3		8.1		33.2		104.7		7.9		5.2		6		90				<0.2		0.9	
IM3	Misty	Moderate	08:07	6.6	Surface	1.0	0.2	142	19.4	19.4	8.1	8.1	33.0	33.0	100.9	101.0	7.7	7.7	5.7	6.6	9	7	84	87	818783	805581	<0.2	<0.2	0.8	0.8
						1.0	0.2	151	19.4		8.1		33.0		101.1		7.7		5.7		8		84				<0.2		0.8	
					Middle	3.3	0.3	120	19.4	19.4	8.1	8.1	33.0	33.0	102.1	102.3	7.7		6.9		7		87				<0.2		0.8	
						3.3	0.3	125	19.3		8.1		33.0		102.4		7.8		6.8		6		87				<0.2		0.9	
					Bottom	5.6	0.1	118	19.3	19.3	8.1	8.1	33.2	33.2	106.3	106.6	8.1	8.1	7.2		7		90				<0.2		0.8	
						5.6	0.1	122	19.3		8.1		33.2		106.8		8.1		7.3		6		90				<0.2		0.8	
IM4	Misty	Moderate	08:18	8.0	Surface	1.0	0.3	163	19.3	19.3	8.1	8.1	32.4	32.4	100.3	100.4	7.6	7.7	6.6	7.0	6	6	82	86	819725	804624	<0.2	<0.2	0.8	0.8
						1.0	0.3	178	19.3		8.1		32.4		100.4		7.6		6.6		6		82				<0.2		0.8	
					Middle	4.0	0.5	154	19.3	19.3	8.1	8.1	32.4	32.4	102.7	102.9	7.8		7.0		6		86				<0.2		0.8	
						4.0	0.5	157	19.3		8.1		32.4		103.1		7.9		7.1		6		86				<0.2		0.7	
					Bottom	7.0	0.3	135	19.3	19.3	8.1	8.1	32.4	32.4	104.9	105.2	8.0	8.0	7.2		6		89				<0.2		0.7	
						7.0	0.3	136	19.3		8.1		32.4		105.4		8.0		7.2		7		90				<0.2		0.8	
IM5	Misty	Moderate	08:26	7.4	Surface	1.0	0.2	163	19.3	19.3	8.1	8.1	32.4	32.4	101.2	101.4	7.7	7.8	5.2	6.4	7	6	82	87	820739	804873	<0.2	<0.2	0.8	0.8
						1.0	0.2	174	19.3		8.1		32.4		101.5		7.7		5.1		7		82				<0.2		0.9	
					Middle	3.7	0.3	185	19.3	19.3	8.0	8.0	32.4	32.4	103.7	103.8	7.9		6.4		5		88				<0.2		0.9	
						3.7	0.3	190	19.3		8.0		32.4		103.9		7.9		6.5		6		87				<0.2		0.8	
					Bottom	6.4	0.1	184	19.3	19.3	8.0	8.0	32.4	32.4	105.9	106.4	8.1	8.1	7.7		6		91				<0.2		0.7	
						6.4	0.1	194	19.3		8.0		32.4		106.8		8.1		7.7		5		91				<0.2		0.7	
IM6	Misty	Moderate	08:34	7.0	Surface	1.0	0.1	226	19.4	19.4	8.1	8.1	32.3	32.3	100.4	100.5	7.6	7.7	4.4	5.5	6	6	84	87	821076	805806	<0.2	<0.2	0.7	0.8
						1.0	0.1	232	19.4		8.1		32.3		100.5		7.6		4.5		6		84				<0.2		0.8	
					Middle	3.5	0.2	219	19.4	19.4	8.1	8.1	32.3	32.3	101.1	101.2	7.7		5.5		7		86				<0.2		0.8	
						3.5	0.2	227	19.4		8.1		32.3		101.3		7.7		5.6		6		87				<0.2		0.7	
					Bottom	6.0	0.2	154	19.3	19.3	8.1	8.1	32.3	32.3	103.7	103.8	7.9	7.9	6.6		6		91				<0.2		0.9	
						6.0	0.2	154	19.3		8.1		32.3		103.9		7.9		6.6		7		91				<0.2		0.8	
IM7	Misty	Moderate	08:42	8.0	Surface	1.0	0.3	221	19.4	19.4	8.1	8.1	32.2	32.2	100.6	100.6	7.6	7.7	6.5	8.1	6	6	81	86	821339	806823	<0.2	<0.2	0.7	0.8
						1.0	0.3	229	19.4		8.1		32.2		100.6		7.6		6.5		6		81				<0.2		0.7	
					Middle	4.0	0.2	150	19.4	19.4	8.1	8.1	32.2	32.2	102.3	102.5	7.8		8.5		6		88				<0.2		0.9	
						4.0	0.2	161	19.4		8.1		32.2		102.7		7.8		8.5		5		88				<0.2		0.8	
					Bottom	7.0	0.1	143	19.4	19.4	8.0	8.0	32.2	32.2	104.0	104.1	7.9	7.9	9.2		6		89				<0.2		0.7	
						7.0	0.1	145	19.4		8.0		32.2		104.2		7.9		9.2		5		90				<0.2		0.8	
IM8	Cloudy	Rough	08:13	7.1	Surface	1.0	0.2	186	18.8	18.8	8.2	8.2	31.6	31.6	91.5	91.5	7.1	7.1	5.3	5.3	10	9	82	86	821836	808141	<0.2	<0.2	0.8	0.8
						1.0	0.2	189	18.8		8.2		31.6		91.5		7.1		5.3		9		82				<0.2		0.8	
					Middle	3.6	0.2	188	18.8	18.8	8.2	8.2	31.6	31.6	91.5	91.5	7.1		5.3		9		87				<0.2		0.8	
						3.6	0.2	196	18.8		8.2		31.6		91.5		7.1		5.3		8		86				<0.2		0.8	
					Bottom	6.1	0.1	208	18.8	18.8	8.2	8.2	31.6	31.6	91.8	91.9	7.1	7.1	5.3		9		89				<0.2		0.8	
						6.1	0.2	210	18.8		8.2		31.6		91.9		7.1		5.3		8		90				<0.2		0.9	

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**
Note: The DCM monitoring was resumed starting from 11 January 2022.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 January 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 (ppm)		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
IM9	Cloudy	Rough	08:07	6.7	Surface	1.0	0.1	291	18.9	18.9	8.2	8.2	31.6	31.6	90.5	90.5	7.0	7.0	4.7	5.0	7	7	83	86	822103	808791	<0.2	<0.2	0.8	0.8
						1.0	0.1	299	18.9		8.2		31.6		90.5		7.0		4.8		7		82				<0.2		0.8	
					Middle	3.4	0.1	256	18.9	18.9	8.2	8.2	31.6	31.6	90.5	90.5	7.0		5.0		7		87				<0.2		0.8	
						3.4	0.1	277	18.9		8.2		31.6		90.5		7.0		5.0		6		86				<0.2		0.8	
					Bottom	5.7	0.1	258	18.9	18.9	8.2	8.2	31.6	31.6	90.7	90.7	7.0	7.0	5.2		6		89				<0.2		0.8	
						5.7	0.1	274	18.9		8.2		31.6		90.7		7.0		5.2		7		90				<0.2		0.9	
IM10	Cloudy	Rough	08:00	6.6	Surface	1.0	0.1	298	18.9	18.9	8.2	8.2	31.6	31.6	89.8	89.8	6.9	6.9	4.3	4.5	7	7	82	86	822398	809776	<0.2	<0.2	0.8	0.8
						1.0	0.1	319	18.9		8.2		31.6		89.8		6.9		4.3		7		83				<0.2		0.8	
					Middle	3.3	0.1	320	18.9	18.9	8.2	8.2	31.6	31.6	89.9	89.9	6.9		4.3		7		87				<0.2		0.7	
						3.3	0.1	342	18.9		8.2		31.6		89.9		6.9		4.4		7		86				<0.2		0.7	
					Bottom	5.6	0.1	317	18.9	18.9	8.2	8.2	31.6	31.6	90.2	90.2	7.0	7.0	4.9		5		89				<0.2		0.7	
						5.6	0.1	325	18.9		8.2		31.6		90.2		7.0		4.9		6		89				<0.2		0.8	
IM11	Cloudy	Rough	07:49	7.5	Surface	1.0	0.1	298	19.0	19.0	8.1	8.1	31.8	31.8	87.0	87.0	6.7	6.7	2.2	2.8	6	5	82	86	822034	811449	<0.2	<0.2	0.8	0.9
						1.0	0.1	307	19.0		8.1		31.8		87.0		6.7		2.2		7		83				<0.2		0.9	
					Middle	3.8	0.1	293	19.0	19.0	8.1	8.1	31.8	31.8	86.7	86.7	6.7		2.4		4		86				<0.2		0.8	
						3.8	0.1	297	19.0		8.1		31.8		86.6		6.7		2.4		5		87				<0.2		0.8	
					Bottom	6.5	0.1	286	19.1	19.1	8.2	8.2	32.0	32.0	87.2	87.3	6.7	6.7	3.8		4		89				<0.2		1.0	
						6.5	0.1	287	19.1		8.2		32.0		87.3		6.7		3.8		4		89				<0.2		0.8	
IM12	Cloudy	Rough	07:41	8.9	Surface	1.0	0.2	157	19.0	19.0	8.1	8.1	31.8	31.8	87.0	87.0	6.7	6.7	2.9	3.3	6	6	83	86	821479	812066	<0.2	<0.2	0.8	0.8
						1.0	0.2	169	19.0		8.1		31.8		87.0		6.7		3.0		5		82				<0.2		0.8	
					Middle	4.5	0.1	220	19.0	19.0	8.2	8.2	31.8	31.8	87.3	87.4	6.7		3.1		5		87				<0.2		0.8	
						4.5	0.1	230	19.0		8.2		31.8		87.4		6.7		3.1		6		86				<0.2		0.8	
					Bottom	7.9	0.1	262	19.0	19.0	8.2	8.2	31.8	31.8	89.1	89.3	6.8	6.9	4.0		8		90				<0.2		0.8	
						7.9	0.1	270	19.0		8.2		31.8		89.4		6.9		3.9		7		89				<0.2		0.9	
SR1A	Cloudy	Moderate	07:07	4.9	Surface	1.0	-	-	18.8	18.8	8.1	8.1	31.6	31.6	87.3	87.3	6.7	6.7	3.8	3.6	4	5	-	-	819977	812657	-	-	-	-
						1.0	-	-	18.8		8.1		31.6		87.3		6.7		3.8		4		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	18.9	18.9	8.2	8.2	31.6	31.6	88.4	88.4	6.8	6.8	3.3		5		-				-		-	
						3.9	-	-	18.9		8.2		31.6		88.4		6.8		3.3		6		-				-		-	
SR2	Cloudy	Rough	06:51	4.5	Surface	1.0	0.1	323	18.9	18.9	8.1	8.1	31.7	31.7	87.9	87.9	6.8	6.8	2.3	3.5	4	5	84	86	821458	814146	<0.2	<0.2	0.8	0.8
						1.0	0.1	338	18.9		8.1		31.7		87.8		6.8		2.3		5		84				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	324	19.0	19.0	8.2	8.2	31.8	31.8	88.1	88.2	6.8	6.8	4.8		4		88				<0.2		0.8	
						3.5	0.1	337	19.0		8.2		31.8		88.3		6.8		4.8		5		88				<0.2		0.8	
SR3	Cloudy	Rough	08:20	8.4	Surface	1.0	0.1	230	18.9	18.9	8.2	8.2	31.5	31.5	90.6	90.6	7.0	7.0	3.6	3.8	4	5	-	-	822167	807583	-	-	-	-
						1.0	0.1	230	18.9		8.2		31.5		90.6		7.0		3.6		7		-				-		-	
					Middle	4.2	0.1	257	18.9	18.9	8.2	8.2	31.5	31.5	90.6	90.6	7.0		3.8		4		-				-		-	
						4.2	0.1	278	18.9		8.2		31.5		90.6		7.0		3.8		5		-				-		-	
					Bottom	7.4	0.1	224	18.9	18.9	8.2	8.2	31.5	31.5	91.0	91.0	7.0	7.0	4.1		5		-				-		-	
						7.4	0.1	226	18.9		8.2		31.5		91.0		7.0		4.1		6		-				-		-	
SR4A	Misty	Moderate	07:13	8.8	Surface	1.0	0.2	269	19.5	19.5	8.1	8.1	32.9	32.9	98.7	98.8	7.5	7.5	3.7	4.4	7	6	-	-	817204	807792	-	-	-	-
						1.0	0.2	291	19.5		8.1		32.9		98.8		7.5		3.8		6		-				-		-	
					Middle	4.4	0.2	261	19.5	19.5	8.1	8.1	32.9	32.9	99.4	99.5	7.5		4.0		6		-				-		-	
						4.4	0.2	265	19.5		8.1		32.9		99.6		7.5		4.1		7		-				-		-	
					Bottom	7.8	0.2	268	19.5	19.5	8.1	8.1	32.9	32.9	100.8	100.9	7.6	7.6	5.4		6		-				-		-	
						7.8	0.2	271	19.5		8.1		32.9		101.0		7.6		5.4		6		-				-		-	
SR5A	Misty	Moderate	06:57	4.4	Surface	1.0	0.2	330	19.4	19.4	8.1	8.1	32.8	32.8	99.8	99.8	7.6	7.6	5.2	5.6	6	6	-	-	816586	810713	-	-	-	-
						1.0	0.3	341	19.4		8.1		32.8		99.7		7.6		5.2		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	308	19.3	19.3	8.1	8.1	32.8	32.8	105.5	105.9	8.0	8.1	6.0		5		-				-		-	
						3.4	0.2	329	19.3		8.1		32.8		106.3		8.1		6.1		5		-				-		-	
SR6A	Misty	Moderate	06:28	3.2	Surface	1.0	0.1	170	19.6	19.6	7.9	7.9	32.2	32.2	94.1	94.2	7.1	7.1	8.1	8.6	6	6	-	-	817944	814718	-	-	-	-
						1.0	0.1	182	19.6		7.9		32.2		94.2		7.1		8.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.1	180	19.6	19.6	7.9	7.9	32.2	32.2	95.8	95.9	7.3	7.3	9.1		6		-				-		-	
						2.2	0.1	197	19.6		7.9		32.2		96.0		7.3		9.1		5		-				-		-	
SR7	Cloudy	Rough	06:00	16.2	Surface	1.0	0.0	287	19.1	19.1	8.0	8.0	32.6	32.6	83.7	83.7	6.4	6.4	1.2	1.3	4	4	-	-	823654	823747	-	-	-	-
						1.0	0.0	313	19.1		8.0		32.6		83.7		6.4		1.2		4		-				-		-	
					Middle	8.1	0.0	319	19.1	19.1	8.0	8.0	32.6	32.6	83.6	83.6	6.4		1.3		3		-				-		-	
						8.1	0.0	324	19.1		8.0		32.6		83.6		6.4		1.3		4		-				-		-	
					Bottom	15.2	0.1	50	19.1	19.1	8.0	8.0	32.6	32.6	84.2	84.3	6.4	6.4	1.4		3		-				-		-	
						15.2	0.1	53	19.1		8.0		32.6		84.3		6.4		1.4		4		-				-		-	
SR8	Cloudy	Moderate	07:33	5.0	Surface	1.0	-	-	19.2	19.2	8.3	8.3	31.4	31.4	90.5	90.4	6.9	6.9	3.8	4.6	6	5	-	-	820380	811610	-	-	-	-
						1.0	-	-	19.2		8.3		31.4		90.3		6.9		3.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	19.1	19.1	8.2	8.2	31.7	31.7	87.8	87.9	6.7	6.8	5.4		4		-				-		-	
						4.0	-	-	19.1		8.2		31.7		88.0		6.8		5.6		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 January 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 (ppm)		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	13:36	8.2	Surface	1.0	0.4	34	19.4	19.4	8.1	8.1	33.1	33.2	101.8	101.8	7.7	7.7	6.2	7.5	4	4	84	87	815607	804256	<0.2	<0.2	0.9	0.9
						1.0	0.4	35	19.4		8.1		33.2		101.8		7.7		6.6		3		84				<0.2		0.9	
					Middle	4.1	0.2	47	19.4	19.4	8.1	8.1	33.2	33.2	102.2	102.3	7.7		7.8		4		87				<0.2		0.8	
						4.1	0.2	51	19.4		8.1		33.2		102.4		7.7		7.8		4		87				<0.2		0.8	
					Bottom	7.2	0.3	6	19.4	19.4	8.1	8.1	33.2	33.2	104.0	104.2	7.9	7.9	8.2		4		91				<0.2		0.9	
						7.2	0.3	6	19.4		8.1		33.2		104.3		7.9		8.2		5		91				<0.2		0.9	
C2	Fine	Rough	12:37	11.1	Surface	1.0	0.2	317	19.0	19.0	8.2	8.2	31.7	31.6	91.0	91.0	7.0	7.0	2.0	3.5	4	4	83	87	825690	806950	<0.2	<0.2	0.8	0.8
						1.0	0.2	324	19.0		8.2		31.6		91.0		7.0		2.0		4		82				<0.2		0.7	
					Middle	5.6	0.3	312	18.9	18.9	8.2	8.2	31.7	31.7	89.9	89.8	6.9		2.2		4		87				<0.2		0.8	
						5.6	0.3	335	18.9		8.2		31.7		89.7		6.9		2.2		5		87				<0.2		0.9	
					Bottom	10.1	0.3	318	19.2	19.2	8.1	8.1	32.0	32.0	88.2	88.4	6.8	6.8	6.3		4		90				<0.2		0.8	
						10.1	0.4	334	19.2		8.1		32.0		88.6		6.8		6.2		5		90				<0.2		0.8	
C3	Fine	Moderate	14:48	12.4	Surface	1.0	0.3	273	19.3	19.3	8.2	8.2	32.7	32.7	84.3	84.3	6.4	6.4	1.8	2.6	7	6	83	88	822090	817813	<0.2	<0.2	0.6	0.5
						1.0	0.3	273	19.3		8.2		32.7		84.3		6.4		1.8		6		84				<0.2		0.6	
					Middle	6.2	0.3	275	19.3	19.3	8.2	8.2	32.7	32.7	84.0	84.1	6.4		2.7		5		88				<0.2		0.5	
						6.2	0.3	279	19.3		8.2		32.7		84.1		6.4		2.7		6		88				<0.2		0.5	
					Bottom	11.4	0.3	271	19.3	19.3	8.2	8.2	32.7	32.7	84.7	84.8	6.4	6.5	3.3		6		91				<0.2		0.5	
						11.4	0.3	280	19.3		8.2		32.7		84.8		6.5		3.3		5		91				<0.2		0.5	
IM1	Misty	Moderate	13:15	4.8	Surface	1.0	0.1	277	19.6	19.6	8.1	8.1	33.1	33.1	103.1	103.3	7.8	7.8	5.5	5.8	5	6	82	87	817944	807132	<0.2	<0.2	0.8	0.9
						1.0	0.1	282	19.6		8.1		33.1		103.4		7.8		5.4		6		82				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	13	19.5	19.5	8.1	8.1	33.1	33.1	105.9	106.4	8.0	8.1	6.2		6		91				<0.2		1.0	
						3.8	0.1	13	19.5		8.1		33.2		106.8		8.1		6.3		7		92				<0.2		0.8	
IM2	Misty	Moderate	13:09	6.0	Surface	1.0	0.1	310	19.4	19.4	8.1	8.1	33.2	33.2	101.6	101.7	7.7	7.7	6.2	7.5	7	6	83	89	818150	806173	<0.2	<0.2	0.8	0.9
						1.0	0.1	314	19.4		8.1		33.2		101.7		7.7		6.1		6		83				<0.2		0.8	
					Middle	3.0	0.1	356	19.4	19.4	8.1	8.1	33.2	33.2	102.2	102.4	7.7		7.9		6		90				<0.2		0.9	
						3.0	0.1	328	19.4		8.1		33.2		102.5		7.8		8.0		6		90				<0.2		0.9	
					Bottom	5.0	0.1	3	19.4	19.4	8.1	8.1	33.2	33.2	103.1	103.2	7.8	7.8	8.5		6		93				<0.2		0.9	
						5.0	0.1	3	19.4		8.1		33.2		103.3		7.8		8.5		5		93				<0.2		0.9	
IM3	Misty	Moderate	13:03	6.8	Surface	1.0	0.1	31	19.4	19.4	8.1	8.1	33.0	33.0	102.4	102.5	7.8	7.8	7.9	8.5	5	6	82	87	818793	805595	<0.2	<0.2	0.9	0.9
						1.0	0.1	31	19.4		8.1		33.0		102.6		7.8		7.9		6		82				<0.2		0.8	
					Middle	3.4	0.0	104	19.4	19.4	8.1	8.1	33.1	33.1	103.4	103.5	7.8		8.4		6		87				<0.2		0.9	
						3.4	0.0	112	19.4		8.1		33.1		103.5		7.8		8.5		7		92				<0.2		0.9	
					Bottom	5.8	0.1	351	19.3	19.4	8.1	8.1	33.1	33.1	104.2	104.4	7.9	7.9	9.0		7		90				<0.2		0.8	
						5.8	0.1	323	19.4		8.1		33.1		104.5		7.9		9.0		6		90				<0.2		0.8	
IM4	Misty	Moderate	12:54	8.4	Surface	1.0	0.1	12	19.4	19.4	8.1	8.1	32.4	32.4	100.3	100.3	7.6	7.6	4.1	5.5	6	6	83	86	819743	804600	<0.2	<0.2	0.8	0.9
						1.0	0.1	12	19.4		8.1		32.4		100.3		7.6		4.1		6		83				<0.2		0.9	
					Middle	4.2	0.1	24	19.4	19.4	8.1	8.1	32.4	32.4	100.5	100.6	7.6		5.4		6		86				<0.2		0.8	
						4.2	0.1	25	19.4		8.1		32.4		100.7		7.7		5.5		6		86				<0.2		0.9	
					Bottom	7.4	0.2	28	19.4	19.4	8.1	8.1	32.4	32.4	102.7	102.9	7.8	7.8	6.9		7		90				<0.2		0.9	
						7.4	0.2	28	19.4		8.1		32.4		103.0		7.8		6.9		6		90				<0.2		0.8	
IM5	Misty	Moderate	12:46	7.6	Surface	1.0	0.2	11	19.5	19.5	8.1	8.1	32.9	32.9	102.1	102.2	7.7	7.8	5.7	6.5	6	6	83	87	820714	804884	<0.2	<0.2	1.0	0.9
						1.0	0.2	11	19.5		8.1		33.0		102.2		7.7		5.9		5		83				<0.2		0.8	
					Middle	3.8	0.2	22	19.4	19.4	8.1	8.1	33.0	33.0	102.4	102.5	7.8		6.6		5		87				<0.2		0.8	
						3.8	0.2	23	19.4		8.1		33.1		102.5		7.8		6.8		6		87				<0.2		0.8	
					Bottom	6.6	0.2	324	19.4	19.4	8.1	8.1	33.1	33.1	104.6	104.7	7.9	7.9	7.0		6		92				<0.2		0.8	
						6.6	0.2	330	19.4		8.1		33.1		104.8		7.9		7.1		7		92				<0.2		0.9	
IM6	Misty	Moderate	12:39	6.8	Surface	1.0	0.3	46	19.4	19.4	8.1	8.1	32.3	32.3	101.6	101.7	7.7	7.8	4.1	5.8	7	7	85	88	821053	805836	<0.2	<0.2	0.9	0.9
						1.0	0.3	48	19.4		8.1		32.3		101.7		7.7		4.2		6		85				<0.2		0.8	
					Middle	3.4	0.1	105	19.4	19.4	8.1	8.1	32.3	32.3	102.5	102.7	7.8		5.8		7		89				<0.2		1.0	
						3.4	0.1	115	19.4		8.1		32.3		102.9		7.8		5.8		6		88				<0.2		0.8	
					Bottom	5.8	0.1	42	19.4	19.4	8.1	8.0	32.3	32.3	104.7	104.9	8.0	8.0	7.5		7		91				<0.2		0.9	
						5.8	0.1	45	19.4		8.0		32.3		105.0		8.0		7.5		8		91				<0.2		0.8	
IM7	Misty	Moderate	12:35	8.4	Surface	1.0	0.1	67	19.5	19.5	8.1	8.1	32.2	32.2	102.8	102.8	7.8	7.9	5.1	6.1	7	7	82	86	821328	806852	<0.2	<0.2	0.8	0.9
						1.0	0.1	71	19.5		8.1		32.3		102.8		7.8		5.2		8		82				<0.2		0.9	
					Middle	4.2	0.1	46	19.4	19.4	8.1	8.1	32.2	32.2	103.5	103.6	7.9		6.1		8		87				<0.2		0.9	
						4.2	0.1	49	19.4		8.1		32.2		103.7		7.9		6.1		8		87				<0.2		0.9	
					Bottom	7.4	0.1	168	19.4	19.4	8.1	8.1	32.2	32.2	104.5	104.6	7.9	8.0	7.2		7		90				<0.2		0.8	
						7.4	0.1	179	19.4		8.1		32.3		104.6		8.0		7.1		6		90				<0.2		0.8	
IM8	Fine	Moderate	13:03	7.5	Surface	1.0	0.1	285	18.9	18.9	8.2	8.2	31.6	31.6	90.5	90.5	7.0	7.0	3.9	4.3	8	8	82	85	821841	808135	<0.2	<0.2	0.9	0.9
						1.0	0.1	287	18.9		8.2		31.6		90.5		7.0		3.9		7		81				<0.2		0.8	
					Middle	3.8	0.1	256	18.9	18.9	8.2	8.2	31.6	31.6	90.3	90.3	7.0		4.6		7		86				<0.2		0.9	
						3.8	0.1	279	18.9		8.2		31.6		90.3		7.0		4.7		8		82				<0.2		0.8	
					Bottom	6.5	0.1	289	18.9	18.9	8.2	8.2	31.6	31.6	90.8	90.8	7.0	7.0	4.2		9		89				<0.2		0.9	
						6.5	0.1	295	18.9		8.2		31.6		90.8		7.0		4.2		8		90				<0.2		0.9	

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 11 January 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 (ppm)		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
IM9	Fine	Moderate	13:09	7.2	Surface	1.0	0.1	265	19.0	19.0	8.2	8.2	31.7	31.7	88.9	88.9	6.8	6.8	4.0	4.6	8	8	82	85	822113	808806	<0.2	<0.2	0.9	0.9
						1.0	0.1	280	19.0		8.2		31.7		88.9		6.8		3.9		8		81				<0.2		0.8	
					Middle	3.6	0.2	240	19.0	19.0	8.2	8.2	31.7	31.7	88.8	88.8	6.8		4.9		8		85				<0.2		0.9	
						3.6	0.2	251	19.0		8.2		31.7		88.8		6.8		4.9		8		86				<0.2		0.8	
					Bottom	6.2	0.2	244	19.0	19.0	8.2	8.2	31.7	31.7	90.0	90.1	6.9	6.9	4.9		8		89				<0.2		1.0	
						6.2	0.2	252	19.0		8.2		31.7		90.1		6.9		5.0		8		89				<0.2		1.1	
IM10	Fine	Moderate	13:18	8.3	Surface	1.0	0.5	295	19.1	19.1	8.2	8.2	31.8	31.8	87.4	87.4	6.7	6.7	4.7	5.2	6	7	82	86	822361	809785	<0.2	<0.2	1.0	1.0
						1.0	0.5	321	19.1		8.2		31.8		87.4		6.7		4.7		7		81				<0.2		1.0	
					Middle	4.2	0.5	291	19.1	19.1	8.2	8.2	31.8	31.8	87.6	87.6	6.7		4.7		7		86				<0.2		0.9	
						4.2	0.5	320	19.1		8.2		31.8		87.6		6.7		4.7		7		87				<0.2		1.0	
					Bottom	7.3	0.5	293	19.1	19.1	8.2	8.2	31.8	31.8	87.8	87.9	6.7	6.7	6.2		7		90				<0.2		1.0	
						7.3	0.5	304	19.1		8.2		31.8		87.9		6.7		6.2		8		89				<0.2		1.1	
IM11	Fine	Moderate	13:30	8.4	Surface	1.0	0.4	288	19.1	19.1	8.2	8.2	31.8	31.8	87.7	87.7	6.7	6.7	4.1	5.3	8	7	82	86	822041	811446	<0.2	<0.2	0.9	1.0
						1.0	0.5	315	19.1		8.2		31.8		87.7		6.7		4.1		7		81				<0.2		0.9	
					Middle	4.2	0.4	290	19.1	19.1	8.2	8.2	31.8	31.8	87.2	87.2	6.7		5.2		7		86				<0.2		1.1	
						4.2	0.4	312	19.1		8.2		31.8		87.2		6.7		5.3		7		86				<0.2		1.0	
					Bottom	7.4	0.4	295	19.1	19.1	8.2	8.2	31.8	31.8	88.1	88.2	6.8	6.8	6.8		7		90				<0.2		1.0	
						7.4	0.4	316	19.0		8.2		31.8		88.3		6.8		6.6		7		90				<0.2		0.9	
IM12	Fine	Moderate	13:37	9.0	Surface	1.0	0.5	299	19.1	19.1	8.2	8.2	31.9	31.9	88.4	88.4	6.8	6.8	2.5	4.7	9	7	81	86	821472	812048	<0.2	<0.2	0.8	0.9
						1.0	0.5	321	19.1		8.2		31.9		88.4		6.8		2.5		8		82				<0.2		0.8	
					Middle	4.5	0.5	299	19.1	19.1	8.2	8.2	32.0	32.0	87.6	87.6	6.7		4.4		7		86				<0.2		0.9	
						4.5	0.5	303	19.1		8.2		32.0		87.6		6.7		4.4		8		87				<0.2		0.9	
					Bottom	8.0	0.5	295	19.1	19.1	8.2	8.2	32.0	32.0	88.0	88.0	6.7	6.7	7.2		5		89				<0.2		0.9	
						8.0	0.5	312	19.1		8.2		32.0		88.0		6.7		7.1		6		90				<0.2		0.8	
SR1A	Fine	Calm	14:03	5.2	Surface	1.0	-	-	19.1	19.1	8.1	8.1	31.6	31.6	87.9	87.9	6.8	6.8	3.9	3.7	7	8	-	-	819974	812655	-	-	-	-
						1.0	-	-	19.1		8.1		31.6		87.9		6.7		3.9		8		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	19.0	19.0	8.1	8.1	31.7	31.7	87.5	87.6	6.7	6.7	3.5		8		-				-		-	
						4.2	-	-	19.0		8.1		31.7		87.6		6.7		3.5		8		-				-		-	
SR2	Fine	Moderate	14:27	4.8	Surface	1.0	0.1	241	19.3	19.3	8.2	8.2	32.2	32.2	87.0	87.0	6.6	6.6	3.3	3.6	6	6	85	87	821447	814178	<0.2	<0.2	0.8	0.8
						1.0	0.1	251	19.3		8.2		32.2		87.0		6.6		3.3		7		85				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	250	19.2	19.2	8.2	8.2	32.2	32.2	87.2	87.3	6.7	6.7	3.9		5		88				<0.2		0.8	
						3.8	0.1	261	19.2		8.2		32.2		87.3		6.7		3.9		6		89				<0.2		0.9	
SR3	Fine	Moderate	12:57	8.7	Surface	1.0	0.1	137	18.9	18.9	8.2	8.2	31.6	31.6	91.6	91.6	7.1	7.1	4.6	6.0	6	6	-	-	822139	807563	-	-	-	-
						1.0	0.1	143	18.9		8.2		31.6		91.6		7.1		4.5		7		-				-		-	
					Middle	4.4	0.0	235	18.8	18.8	8.2	8.2	31.6	31.6	91.4	91.4	7.1		6.5		6		-				-		-	
						4.4	0.0	251	18.8		8.2		31.6		91.4		7.1		6.4		7		-				-		-	
					Bottom	7.7	0.1	269	18.8	18.8	8.2	8.2	31.6	31.6	92.1	92.1	7.1	7.1	7.1		6		-				-		-	
						7.7	0.1	280	18.8		8.2		31.6		92.1		7.1		7.1		6		-				-		-	
SR4A	Misty	Moderate	13:55	9.0	Surface	1.0	0.1	196	19.5	19.5	8.1	8.1	32.8	32.8	99.3	99.4	7.5	7.5	6.8	7.8	5	6	-	-	817206	807788	-	-	-	-
						1.0	0.1	213	19.5		8.1		32.8		99.4		7.5		6.9		5		-				-		-	
					Middle	4.5	0.1	116	19.5	19.5	8.1	8.1	32.8	32.8	99.7	99.8	7.5		7.2		6		-				-		-	
						4.5	0.1	122	19.5		8.1		32.8		99.8		7.6		7.2		7		-				-		-	
					Bottom	8.0	0.0	63	19.5	19.5	8.1	8.1	32.8	32.8	100.5	102.0	7.6	7.7	9.3		6		-				-		-	
						8.0	0.0	64	19.5		8.1		32.8		103.5		7.8		9.3		7		-				-		-	
SR5A	Misty	Moderate	14:11	3.6	Surface	1.0	0.1	337	19.5	19.5	8.1	8.1	32.6	32.6	104.0	104.2	7.9	7.9	7.0	7.8	5	5	-	-	816585	810705	-	-	-	-
						1.0	0.1	352	19.5		8.1		32.6		104.3		7.9		7.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	3	19.4	19.5	8.1	8.1	32.6	32.6	106.1	106.5	8.0	8.1	8.6		5		-				-		-	
						2.6	0.1	3	19.5		8.1		32.6		106.8		8.1		8.5		6		-				-		-	
SR6A	Misty	Moderate	14:57	4.0	Surface	1.0	0.0	193	19.2	19.2	8.1	8.1	32.8	32.8	100.5	100.5	7.6	7.6	6.1	6.9	4	5	-	-	817947	814731	-	-	-	-
						1.0	0.0	205	19.2		8.1		32.8		100.5		7.6		6.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	158	19.2	19.2	8.1	8.1	32.8	32.8	100.5	100.5	7.7	7.7	7.9		4		-				-		-	
						3.0	0.0	170	19.2		8.1		32.8		100.5		7.7		7.6		5		-				-		-	
SR7	Fine	Moderate	15:24	16.6	Surface	1.0	0.1	81	19.3	19.3	8.2	8.2	32.8	32.8	84.8	84.8	6.4	6.4	2.2	2.7	4	5	-	-	823636	823728	-	-	-	-
						1.0	0.1	86	19.3		8.2		32.8		84.8		6.4		2.2		5		-				-		-	
					Middle	8.3	0.1	88	19.3	19.3	8.2	8.2	32.8	32.8	84.6	84.6	6.4		2.8		5		-				-		-	
						8.3	0.1	89	19.3		8.2		32.8		84.6		6.4		2.9		4		-				-		-	
					Bottom	15.6	0.0	30	19.3	19.3	8.2	8.2	32.8	32.8	86.1	86.2	6.5	6.6	3.0		4		-				-		-	
						15.6	0.0	32	19.3		8.2		32.8		86.2		6.6		3.0		5		-				-		-	
SR8	Fine	Moderate	13:46	5.1	Surface	1.0	-	-	19.2	19.2	8.2	8.2	31.6	31.6	90.4	90.4	6.9	6.9	3.1	4.1	4	5	-	-	820399	811621	-	-	-	-
						1.0	-	-	19.2		8.2		31.6		90.4		6.9		3.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	19.0	19.0	8.2	8.2	31.7	31.7	90.4	90.5	6.9	7.0	5.0		4		-				-		-	
						4.1	-	-	19.0		8.2		31.7		90.5		7.0		4.9		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 January 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 (ppm)		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	09:31	8.5	Surface	1.0	0.2	168	18.8	18.8	8.2	8.2	33.3	33.3	93.8	93.8	7.2	7.2	5.1	5.2	8	8	46	49	815618	804250	<0.2	<0.2	0.4	0.5
						1.0	0.3	174	18.8		8.2		33.3		93.8		7.2		5.2		9		45				<0.2		0.4	
					Middle	4.3	0.3	172	18.8	18.8	8.2	8.2	33.3	33.3	93.8	93.8	7.2		5.2		7		48				<0.2		0.6	
						4.3	0.3	186	18.8		8.2		33.3		93.8		7.2		5.2		7		48				<0.2		0.5	
					Bottom	7.5	0.3	155	18.7	18.7	8.2	8.2	33.3	33.3	94.0	94.1	7.2	7.2	5.3		7		54				<0.2		0.5	
						7.5	0.3	164	18.7		8.2		33.3		94.1		7.2		5.3		7		53				<0.2		0.5	
C2	Fine	Moderate	10:54	10.1	Surface	1.0	0.1	132	19.5	19.5	8.1	8.1	32.5	32.5	87.4	87.4	6.6	6.6	2.1	2.4	5	5	42	48	825679	806947	<0.2	<0.2	0.7	0.8
						1.0	0.1	136	19.5		8.1		32.5		87.4		6.6		2.1		6		43				<0.2		0.7	
					Middle	5.1	0.1	124	19.5	19.5	8.1	8.1	32.6	32.6	87.0	87.0	6.6		2.6		5		48				<0.2		0.8	
						5.1	0.1	133	19.5		8.1		32.6		87.0		6.6		2.7		4		48				<0.2		0.8	
					Bottom	9.1	0.0	198	19.5	19.5	8.0	8.0	32.6	32.6	87.2	87.2	6.6	6.6	2.6		3		52				<0.2		0.8	
						9.1	0.0	200	19.4		8.0		32.6		87.2		6.6		2.6		4		52				<0.2		0.9	
C3	Cloudy	Rough	08:54	11.6	Surface	1.0	0.2	303	19.7	19.7	8.1	8.1	33.1	33.1	85.3	85.3	6.4	6.4	9.9	4.5	3	5	44	48	822099	817783	<0.2	<0.2	0.8	0.8
						1.0	0.2	329	19.7		8.1		33.1		85.3		6.4		9.8		4		44				<0.2		0.7	
					Middle	5.8	0.2	301	19.8	19.8	8.1	8.1	33.2	33.2	84.5	84.5	6.3		1.4		5		48				<0.2		0.8	
						5.8	0.2	311	19.8		8.1		33.2		84.5		6.3		1.4		6		48				<0.2		0.8	
					Bottom	10.6	0.2	304	19.8	19.8	8.1	8.1	33.2	33.2	84.4	84.4	6.3	6.3	2.3		6		51				<0.2		0.8	
						10.6	0.2	328	19.8		8.1		33.2		84.4		6.3		2.3		5		52				<0.2		0.8	
IM1	Cloudy	Moderate	09:52	4.7	Surface	1.0	0.0	168	18.6	18.6	8.2	8.2	33.1	33.1	92.7	92.8	7.1	7.1	4.3	4.2	6	6	48	49	817929	807143	<0.2	<0.2	0.5	0.5
						1.0	0.0	179	18.6		8.2		33.1		92.8		7.1		4.3		7		46				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	172	18.5	18.5	8.2	8.2	33.1	33.1	93.3	93.4	7.2	7.2	4.2		6		50				<0.2		0.5	
						3.7	0.1	174	18.5		8.2		33.1		93.4		7.2		4.1		6		51				<0.2		0.6	
IM2	Cloudy	Moderate	10:00	6.5	Surface	1.0	0.1	149	18.5	18.5	8.2	8.2	33.1	33.1	94.0	94.0	7.2	7.2	3.6	4.9	4	5	43	48	818146	806168	<0.2	<0.2	0.6	0.5
						1.0	0.1	149	18.5		8.2		33.1		94.0		7.2		3.6		5		48				<0.2		0.5	
					Middle	3.3	0.0	152	18.5	18.5	8.2	8.2	33.1	33.1	94.0	94.0	7.2		4.2		4		48				<0.2		0.5	
						3.3	0.0	157	18.5		8.2		33.1		94.0		7.2		4.2		5		50				<0.2		0.4	
					Bottom	5.5	0.1	166	18.5	18.5	8.2	8.2	33.1	33.1	94.7	94.8	7.3	7.3	6.7		6		51				<0.2		0.5	
						5.5	0.1	177	18.5		8.2		33.1		94.9		7.3		7.0		5		50				<0.2		0.4	
IM3	Cloudy	Moderate	10:09	6.8	Surface	1.0	0.1	157	18.5	18.5	8.2	8.2	33.1	33.1	93.5	93.5	7.2	7.2	3.0	4.4	6	5	42	45	818813	805597	<0.2	<0.2	0.5	0.5
						1.0	0.1	163	18.5		8.2		33.1		93.5		7.2		3.2		5		42				<0.2		0.6	
					Middle	3.4	0.1	162	18.6	18.6	8.2	8.2	33.1	33.1	93.6	93.6	7.2		4.1		4		45				<0.2		0.5	
						3.4	0.1	172	18.6		8.2		33.2		93.6		7.2		4.3		4		44				<0.2		0.4	
					Bottom	5.8	0.1	177	18.6	18.6	8.2	8.2	33.2	33.2	94.0	94.1	7.2	7.2	5.7		5		50				<0.2		0.5	
						5.8	0.1	185	18.6		8.2		33.2		94.1		7.2		5.9		4		48				<0.2		0.4	
IM4	Cloudy	Moderate	10:19	8.5	Surface	1.0	0.1	162	18.5	18.5	8.2	8.2	33.1	33.1	93.8	93.8	7.2	7.2	3.9	5.2	5	5	44	46	819733	804623	<0.2	<0.2	0.5	0.5
						1.0	0.1	176	18.5		8.2		33.1		93.8		7.2		3.9		4		42				<0.2		0.4	
					Middle	4.3	0.1	157	18.5	18.5	8.2	8.2	33.1	33.1	94.0	94.0	7.2		4.7		5		45				<0.2		0.5	
						4.3	0.1	164	18.5		8.2		33.1		94.0		7.2		4.9		4		46				<0.2		0.6	
					Bottom	7.5	0.1	149	18.5	18.5	8.2	8.2	33.2	33.2	95.2	95.3	7.3	7.3	6.9		5		48				<0.2		0.5	
						7.5	0.1	157	18.5		8.2		33.2		95.3		7.3		6.9		6		49				<0.2		0.6	
IM5	Cloudy	Moderate	10:28	8.0	Surface	1.0	0.2	200	18.5	18.5	8.2	8.2	32.9	32.9	92.7	92.7	7.1	7.2	4.3	6.4	6	5	46	49	820735	804877	<0.2	<0.2	0.6	0.6
						1.0	0.2	215	18.5		8.2		32.9		92.7		7.1		4.5		5		46				<0.2		0.6	
					Middle	4.0	0.2	212	18.5	18.5	8.2	8.2	33.1	33.1	93.1	93.1	7.2		7.3		5		48				<0.2		0.5	
						4.0	0.2	215	18.5		8.2		33.1		93.1		7.2		7.5		6		48				<0.2		0.6	
					Bottom	7.0	0.2	228	18.5	18.5	8.2	8.2	33.1	33.1	93.6	93.7	7.2	7.2	7.6		5		53				<0.2		0.5	
						7.0	0.2	230	18.5		8.2		33.1		93.7		7.2		7.5		5		54				<0.2		0.6	
IM6	Cloudy	Moderate	10:37	7.3	Surface	1.0	0.2	213	18.4	18.4	8.2	8.2	32.5	32.5	91.5	91.5	7.1	7.1	2.9	4.5	3	4	46	49	821076	805841	<0.2	<0.2	0.6	0.7
						1.0	0.2	230	18.4		8.2		32.5		91.5		7.1		3.2		3		46				<0.2		0.8	
					Middle	3.7	0.2	224	18.5	18.5	8.2	8.2	32.9	32.9	92.0	92.0	7.1		5.1		3		49				<0.2		0.6	
						3.7	0.2	230	18.5		8.2		32.9		92.0		7.1		5.2		4		48				<0.2		0.6	
					Bottom	6.3	0.3	208	18.5	18.5	8.2	8.2	33.0	33.0	92.6	92.7	7.1	7.1	5.3		6		53				<0.2		0.7	
						6.3	0.3	227	18.5		8.2		33.0		92.7		7.1		5.3		5		53				<0.2		0.8	
IM7	Cloudy	Moderate	10:46	8.3	Surface	1.0	0.2	228	18.5	18.5	8.2	8.2	32.3	32.3	91.0	91.0	7.0	7.0	9.3	7.0	5	4	43	49	821341	806851	<0.2	<0.2	0.7	0.8
						1.0	0.2	236	18.5		8.2		32.3		91.0		7.0		9.4		4		46				<0.2		0.8	
					Middle	4.2	0.3	231	18.5	18.5	8.2	8.2	32.5	32.5	91.2	91.2	7.0		4.1		4		49				<0.2		0.8	
						4.2	0.3	252	18.5		8.2		32.5		91.2		7.0		4.3		3		48				<0.2		0.9	
					Bottom	7.3	0.2	240	18.5	18.5	8.2	8.2	32.8	32.8	92.7	92.9	7.1	7.2	7.4		3		53				<0.2		0.6	
						7.3	0.2	254	18.5		8.2		32.8		93.0		7.2		7.4		4		52				<0.2		0.8	
IM8	Cloudy	Rough	10:30	7.7	Surface	1.0	0.1	102	19.2	19.2	8.1	8.1	32.6	32.6	90.2	90.2	6.9	6.9	3.0	3.9	5	4	45	49	821827	808146	<0.2	<0.2	0.7	0.9
						1.0	0.1	105	19.2		8.1		32.6		90.2		6.9		3.0		4		46				<0.2		0.8	
					Middle	3.9	0.1	71	19.2	19.2	8.1	8.1	32.6	32.6	90.0	90.0	6.9		3.7		5		49				<0.2		0.9	
						3.9	0.1	71	19.2		8.1		32.6		90.0		6.9		3.7		4		50				<0.2		0.9	
					Bottom	6.7	0.1	77	19.1	19.1	8.1	8.1	32.7	32.7	89.7	89.8	6.8	6.8	5.1		4		51				<0.2		0.9	
						6.7	0.1	81	19.1		8.1		32.7		89.8		6.8		5.1		3		52				<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 13 January 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 (ppm)		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
IM9	Cloudy	Rough	10:24	7.8	Surface	1.0	0.2	110	19.1	19.1	8.1	8.1	32.7	32.7	90.5	90.5	6.9	6.9	3.3	3.9	3	4	44	48	822101	808797	<0.2	<0.2	1.0	0.9
						1.0	0.2	112	19.1		8.1		32.7		90.5		6.9		3.3		4		44				<0.2		1.0	
					Middle	3.9	0.2	109	19.1	19.1	8.1	8.1	32.7	32.7	90.5	90.5	6.9		3.7		4		48				<0.2		0.8	
						3.9	0.2	110	19.1		8.1		32.7		90.5		6.9		3.7		5		48				<0.2		0.9	
					Bottom	6.8	0.2	105	19.1	19.1	8.1	8.1	32.7	32.7	90.6	90.6	6.9	6.9	4.8		4		51				<0.2		0.9	
						6.8	0.2	109	19.1		8.1		32.7		90.6		6.9		4.9		5		52				<0.2		0.8	
IM10	Cloudy	Rough	10:16	8.1	Surface	1.0	0.1	36	19.4	19.4	8.1	8.1	32.6	32.6	86.7	86.7	6.6	6.6	3.4	3.9	5	4	44	48	822361	809810	<0.2	<0.2	0.8	0.9
						1.0	0.1	36	19.4		8.1		32.6		86.7		6.6		3.4		4		46				<0.2		0.8	
					Middle	4.1	0.1	9	19.4	19.4	8.1	8.1	32.7	32.7	86.3	86.3	6.6		4.1		4		48				<0.2		0.9	
						4.1	0.1	9	19.4		8.1		32.7		86.3		6.6		4.1		5		49				<0.2		0.8	
					Bottom	7.1	0.1	2	19.3	19.3	8.1	8.1	32.7	32.7	86.4	86.4	6.6	6.6	4.1		3		51				<0.2		0.9	
						7.1	0.1	2	19.3		8.1		32.7		86.4		6.6		4.2		3		52				<0.2		0.9	
IM11	Cloudy	Rough	10:07	7.6	Surface	1.0	0.0	254	19.4	19.4	8.1	8.1	32.7	32.7	87.4	87.4	6.6	6.6	3.4	3.7	6	5	41	48	822080	811462	<0.2	<0.2	1.0	0.8
						1.0	0.0	260	19.4		8.1		32.7		87.4		6.6		3.4		5		42				<0.2		0.8	
					Middle	3.8	0.0	319	19.4	19.4	8.1	8.1	32.7	32.7	87.3	87.3	6.6		3.7		5		49				<0.2		0.8	
						3.8	0.0	328	19.4		8.1		32.7		87.3		6.6		3.6		4		50				<0.2		0.8	
					Bottom	6.6	0.0	90	19.4	19.4	8.1	8.1	32.7	32.7	87.1	87.2	6.6	6.6	4.1		5		51				<0.2		0.7	
						6.6	0.0	90	19.4		8.1		32.7		87.2		6.6		4.2		5		52				<0.2		0.9	
IM12	Cloudy	Rough	09:59	8.5	Surface	1.0	0.1	238	19.5	19.5	8.1	8.1	32.7	32.7	86.0	86.0	6.5	6.5	2.9	3.5	5	4	45	49	821454	812068	<0.2	<0.2	0.9	0.9
						1.0	0.2	259	19.5		8.1		32.7		86.0		6.5		2.9		4		45				<0.2		0.9	
					Middle	4.3	0.1	217	19.5	19.5	8.1	8.1	32.8	32.8	85.7	85.7	6.5		3.4		5		48				<0.2		0.9	
						4.3	0.1	227	19.5		8.1		32.8		85.7		6.5		3.5		4		48				<0.2		0.8	
					Bottom	7.5	0.0	204	19.5	19.5	8.1	8.1	32.8	32.8	85.8	85.8	6.5	6.5	4.1		3		53				<0.2		0.8	
						7.5	0.0	221	19.5		8.1		32.8		85.8		6.5		4.1		4		54				<0.2		0.8	
SR1A	Cloudy	Moderate	09:32	4.1	Surface	1.0	-	-	19.2	19.2	8.1	8.0	32.3	32.3	85.1	85.1	6.5	6.5	2.2	2.3	3	3	-	-	819973	812664	-	-	-	-
						1.0	-	-	19.2		8.0		32.3		85.1		6.5		2.2		3		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	19.1	19.1	8.0	8.0	32.3	32.3	85.3	85.4	6.5	6.5	2.4		3		-				-		-	
						3.1	-	-	19.1		8.0		32.3		85.4		6.5		2.4		4		-				-		-	
SR2	Cloudy	Moderate	09:16	4.5	Surface	1.0	0.2	315	19.4	19.4	8.1	8.1	32.8	32.8	85.9	85.9	6.5	6.5	2.8	3.0	5	4	44	48	821457	814186	<0.2	<0.2	0.9	0.9
						1.0	0.2	326	19.4		8.1		32.8		85.9		6.5		2.8		4		45				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	314	19.4	19.4	8.1	8.1	32.8	32.8	86.0	86.0	6.5	6.5	3.3		4		51				<0.2		0.9	
						3.5	0.2	326	19.4		8.1		32.8		86.0		6.5		3.3		3		53				<0.2		0.8	
SR3	Fine	Rough	10:35	8.1	Surface	1.0	0.1	100	19.3	19.3	8.1	8.1	32.6	32.6	89.5	89.5	6.8	6.8	3.1	3.1	4	4	-	-	822165	807563	-	-	-	-
						1.0	0.1	100	19.3		8.1		32.6		89.5		6.8		3.2		5		-				-		-	
					Middle	4.1	0.1	111	19.3	19.3	8.1	8.1	32.6	32.6	89.6	89.7	6.8		3.1		4		-				-		-	
						4.1	0.1	118	19.3		8.1		32.6		89.7		6.8		3.1		4		-				-		-	
					Bottom	7.1	0.0	92	19.2	19.2	8.1	8.1	32.6	32.6	89.8	89.9	6.8	6.8	2.9		3		-				-		-	
						7.1	0.0	100	19.2		8.1		32.7		89.9		6.8		2.9		3		-				-		-	
SR4A	Cloudy	Moderate	09:10	8.9	Surface	1.0	0.3	111	18.4	18.4	8.2	8.2	32.7	32.7	91.5	91.5	7.1	7.1	3.6	5.3	6	6	-	-	817181	807803	-	-	-	-
						1.0	0.3	113	18.4		8.2		32.7		91.5		7.1		3.6		7		-				-		-	
					Middle	4.5	0.4	128	18.5	18.5	8.2	8.2	32.9	32.9	92.1	92.1	7.1		5.6		6		-				-		-	
						4.5	0.4	128	18.5		8.2		32.9		92.1		7.1		5.7		7		-				-		-	
					Bottom	7.9	0.3	132	18.5	18.5	8.2	8.2	33.0	33.0	93.0	93.1	7.2	7.2	6.6		6		-				-		-	
						7.9	0.4	143	18.5		8.2		33.0		93.2		7.2		6.6		6		-				-		-	
SR5A	Cloudy	Calm	08:52	3.2	Surface	1.0	0.1	132	18.1	18.1	8.2	8.2	32.1	32.1	93.3	93.5	7.3	7.3	3.6	3.6	5	6	-	-	816600	810698	-	-	-	-
						1.0	0.1	142	18.1		8.2		32.1		93.6		7.3		3.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.1	122	18.1	18.1	8.2	8.2	32.1	32.1	95.6	95.7	7.5	7.5	3.6		7		-				-		-	
						2.2	0.1	128	18.1		8.2		32.1		95.8		7.5		3.6		6		-				-		-	
SR6A	Cloudy	Calm	08:24	3.8	Surface	1.0	0.1	141	18.8	18.8	8.1	8.1	32.4	32.4	83.7	83.8	6.4	6.4	5.2	5.8	5	5	-	-	817961	814746	-	-	-	-
						1.0	0.1	154	18.8		8.1		32.4		83.9		6.4		5.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	132	18.8	18.8	8.1	8.1	32.4	32.4	84.6	84.7	6.5	6.5	6.2		4		-				-		-	
						2.8	0.1	144	18.8		8.1		32.4		84.7		6.5		6.4		4		-				-		-	
SR7	Cloudy	Moderate	08:25	16.3	Surface	1.0	0.1	105	19.8	19.8	8.2	8.2	33.3	33.3	85.2	85.2	6.4	6.4	1.2	1.4	3	4	-	-	823642	823726	-	-	-	-
						1.0	0.1	112	19.8		8.2		33.3		85.2		6.4		1.2		4		-				-		-	
					Middle	8.2	0.1	100	19.8	19.8	8.2	8.2	33.3	33.3	85.1	85.1	6.4		1.3		3		-				-		-	
						8.2	0.1	102	19.8		8.2		33.3		85.1		6.4		1.4		4		-				-		-	
					Bottom	15.3	0.1	77	19.8	19.8	8.2	8.2	33.3	33.3	85.1	85.1	6.4	6.4	1.5		3		-				-		-	
						15.3	0.1	81	19.8		8.2		33.3		85.1		6.4		1.5		4		-				-		-	
SR8	Cloudy	Moderate	09:51	4.4	Surface	1.0	-	-	19.5	19.5	8.1	8.1	32.7	32.7	86.4	86.4	6.6	6.6	3.2	3.8	4	3	-	-	820399	811630	-	-	-	-
						1.0	-	-	19.5		8.1		32.7		86.3		6.5		3.2		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	19.5	19.5	8.1	8.1	32.9	32.9	85.9	86.0	6.5	6.5	4.4		3		-				-		-	
						3.4	-	-	19.5		8.1		32.9		86.0		6.5		4.4		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 January 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 (ppm)		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	14:36	7.8	Surface	1.0	0.4	47	18.9	18.9	8.3	8.3	33.4	33.4	96.3	96.3	7.3	7.4	3.8	5.9	5	5	48	51	815626	804226	<0.2	<0.2	0.7	0.7
						1.0	0.4	48	18.9		8.3		33.4		96.3		7.3		3.8		5		47				<0.2		0.8	
					Middle	3.9	0.4	35	18.9	18.9	8.2	8.2	33.4	33.4	96.5	96.6	7.4		5.5		5		52				<0.2		0.7	
						3.9	0.4	37	18.9		8.2		33.4		96.6		7.4		6.1		6		51				<0.2		0.7	
					Bottom	6.8	0.3	40	18.8	18.8	8.3	8.3	33.3	33.3	98.2	98.4	7.5	7.5	8.2		6		54				<0.2		0.6	
						6.8	0.3	40	18.8		8.3		33.3		98.6		7.5		8.2		5		53				<0.2		0.8	
C2	Fine	Moderate	13:33	11.4	Surface	1.0	0.1	280	19.5	19.5	8.1	8.1	32.4	32.4	88.4	88.4	6.7	6.7	1.9	3.3	5	5	41	46	825696	806942	<0.2	<0.2	0.8	0.8
						1.0	0.1	302	19.5		8.1		32.4		88.3		6.7		1.9		5		41				<0.2		0.8	
					Middle	5.7	0.1	338	19.5	19.5	8.1	8.1	32.6	32.6	86.9	86.9	6.6		2.4		5		45				<0.2		0.9	
						5.7	0.1	338	19.5		8.1		32.6		86.9		6.6		2.5		6		46				<0.2		0.8	
					Bottom	10.4	0.2	321	19.5	19.5	8.1	8.1	32.8	32.8	85.7	85.7	6.5	6.5	5.7		6		50				<0.2		0.8	
						10.4	0.2	336	19.5		8.1		32.8		85.7		6.5		5.7		5		50				<0.2		0.8	
C3	Fine	Rough	15:31	12.6	Surface	1.0	0.3	245	19.8	19.8	8.1	8.1	33.3	33.3	86.3	86.3	6.5	6.5	1.1	1.3	3	4	46	49	822091	817788	<0.2	<0.2	0.8	0.8
						1.0	0.3	256	19.8		8.1		33.3		86.3		6.5		1.1		4		46				<0.2		0.8	
					Middle	6.3	0.4	254	19.8	19.8	8.1	8.1	33.3	33.3	86.1	86.1	6.5		1.3		3		48				<0.2		0.8	
						6.3	0.4	275	19.8		8.1		33.3		86.1		6.5		1.3		4		50				<0.2		0.8	
					Bottom	11.6	0.3	257	19.7	19.7	8.1	8.1	33.3	33.3	86.1	86.2	6.5	6.5	1.6		5		51				<0.2		0.8	
						11.6	0.3	261	19.7		8.1		33.3		86.2		6.5		1.6		5		52				<0.2		0.8	
IM1	Cloudy	Moderate	14:54	5.3	Surface	1.0	0.0	55	18.5	18.5	8.2	8.2	33.0	33.0	96.5	96.6	7.4	7.4	3.9	6.7	7	8	48	51	817968	807143	<0.2	<0.2	0.4	0.4
						1.0	0.0	57	18.5		8.2		33.0		96.7		7.4		3.9		8		50				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.0	67	18.5	18.5	8.3	8.3	33.0	33.0	98.7	98.9	7.6	7.6	9.4		7		53				<0.2		0.4	
						4.3	0.0	67	18.5		8.3		33.0		99.0		7.6		9.5		8		51				<0.2		0.4	
IM2	Cloudy	Moderate	15:01	6.7	Surface	1.0	0.0	44	18.6	18.6	8.2	8.2	33.1	33.1	96.7	96.7	7.4	7.5	2.9	7.2	5	5	44	47	818154	806157	<0.2	<0.2	0.4	0.6
						1.0	0.0	44	18.6		8.2		33.1		96.6		7.4		3.0		6		46				<0.2		0.5	
					Middle	3.4	0.1	50	18.6	18.6	8.2	8.2	33.1	33.1	97.0	97.1	7.5		7.3		5		46				<0.2		0.7	
						3.4	0.1	52	18.6		8.2		33.1		97.1		7.5		7.0		5		48				<0.2		0.7	
					Bottom	5.7	0.0	53	18.6	18.6	8.2	8.2	33.1	33.1	98.9	99.0	7.6	7.6	11.4		5		49				<0.2		0.7	
						5.7	0.0	53	18.6		8.2		33.1		99.1		7.6		11.7		5		50				<0.2		0.6	
IM3	Cloudy	Moderate	15:07	7.1	Surface	1.0	0.1	67	18.6	18.6	8.2	8.2	33.0	33.0	97.3	97.3	7.5	7.5	2.0	4.5	6	6	43	45	818799	805572	<0.2	<0.2	0.5	0.6
						1.0	0.1	69	18.6		8.2		33.0		97.3		7.5		2.0		7		42				<0.2		0.6	
					Middle	3.6	0.1	59	18.6	18.6	8.2	8.2	33.1	33.1	98.2	98.4	7.5		4.7		6		45				<0.2		0.5	
						3.6	0.1	60	18.6		8.2		33.1		98.5		7.6		4.9		7		44				<0.2		0.6	
					Bottom	6.1	0.1	62	18.6	18.6	8.3	8.3	33.1	33.1	100.6	100.7	7.7	7.7	6.6		6		48				<0.2		0.6	
						6.1	0.1	67	18.6		8.3		33.1		100.8		7.7		6.6		5		49				<0.2		0.5	
IM4	Cloudy	Moderate	15:16	8.8	Surface	1.0	0.1	59	18.6	18.6	8.2	8.2	33.1	33.1	96.7	96.7	7.4	7.4	2.4	4.5	5	7	44	47	819729	804624	<0.2	<0.2	0.4	0.5
						1.0	0.1	64	18.6		8.2		33.1		96.7		7.4		2.4		5		43				<0.2		0.5	
					Middle	4.4	0.2	72	18.7	18.7	8.2	8.2	33.2	33.2	95.8	95.9	7.3		5.1		5		47				<0.2		0.5	
						4.4	0.2	76	18.7		8.2		33.2		95.9		7.4		5.2		6		46				<0.2		0.5	
					Bottom	7.8	0.1	65	18.7	18.7	8.2	8.2	33.2	33.2	96.4	96.5	7.4	7.4	5.9		9		49				<0.2		0.6	
						7.8	0.1	66	18.7		8.2		33.2		96.6		7.4		5.9		9		50				<0.2		0.6	
IM5	Cloudy	Moderate	15:23	8.4	Surface	1.0	0.2	43	18.6	18.6	8.2	8.2	33.1	33.1	96.1	96.2	7.4	7.4	5.0	6.1	12	12	43	47	820730	804888	<0.2	<0.2	0.6	0.5
						1.0	0.2	46	18.6		8.2		33.1		96.2		7.4		5.2		13		44				<0.2		0.5	
					Middle	4.2	0.2	52	18.6	18.6	8.2	8.2	33.1	33.1	96.8	96.9	7.4		6.1		11		46				<0.2		0.5	
						4.2	0.2	54	18.6		8.2		33.1		97.0		7.5		6.3		12		46				<0.2		0.5	
					Bottom	7.4	0.2	44	18.6	18.6	8.3	8.3	33.1	33.1	99.1	99.2	7.6	7.6	7.1		11		51				<0.2		0.4	
						7.4	0.2	45	18.6		8.3		33.1		99.2		7.6		7.1		11		52				<0.2		0.5	
IM6	Cloudy	Moderate	15:29	7.5	Surface	1.0	0.2	37	18.6	18.6	8.2	8.2	33.1	33.1	95.3	95.4	7.3	7.4	5.2	5.3	8	5	43	47	821056	805834	<0.2	<0.2	0.5	0.5
						1.0	0.2	39	18.6		8.2		33.1		95.4		7.3		5.2		7		42				<0.2		0.4	
					Middle	3.8	0.2	40	18.6	18.6	8.2	8.2	33.1	33.1	96.3	96.4	7.4		5.3		4		48				<0.2		0.5	
						3.8	0.2	43	18.6		8.2		33.1		96.5		7.4		5.3		4		46				<0.2		0.5	
					Bottom	6.5	0.2	45	18.5	18.5	8.3	8.3	33.1	33.0	98.6	98.7	7.6	7.6	5.5		4		52				<0.2		0.5	
						6.5	0.2	45	18.5		8.3		33.0		98.8		7.6		5.4		4		50				<0.2		0.4	
IM7	Cloudy	Moderate	15:36	8.6	Surface	1.0	0.2	29	18.5	18.5	8.2	8.2	32.5	32.5	95.1	95.2	7.3	7.4	2.2	2.9	7	7	42	47	821328	806825	<0.2	<0.2	0.4	0.5
						1.0	0.2	29	18.5		8.2		32.5		95.2		7.4		2.3		6		41				<0.2		0.4	
					Middle	4.3	0.3	31	18.5	18.5	8.2	8.2	32.7	32.7	97.3	97.4	7.5		3.1		7		48				<0.2		0.5	
						4.3	0.3	33	18.5		8.2		32.7		97.5		7.5		3.2		7		50				<0.2		0.5	
					Bottom	7.6	0.3	28	18.5	18.5	8.2	8.2	32.8	32.8	99.5	99.7	7.7	7.7	3.4		8		49				<0.2		0.5	
						7.6	0.3	29	18.5		8.2		32.8		99.9		7.7		3.5		8		51				<0.2		0.6	
IM8	Fine	Moderate	13:53	7.6	Surface	1.0	0.2	152	19.3	19.3	8.1	8.1	32.6	32.6	91.3	91.3	6.9	6.9	2.4	3.0	5	6	45	49	821839	808116	<0.2	<0.2	0.9	0.9
						1.0	0.2	155	19.3		8.1		32.6		91.3		6.9		2.4		6		46				<0.2		1.0	
					Middle	3.8	0.1	164	19.3	19.3	8.1	8.1	32.6	32.6	90.9	90.9	6.9		2.5		6		48				<0.2		0.8	
						3.8	0.1	164	19.3		8.1		32.6		90.8		6.9		2.5		7		48				<0.2		0.9	
					Bottom	6.6	0.0	231	19.2	19.2	8.1	8.1	32.6	32.6	90.4	90.4	6.9	6.9	4.0		7		53				<0.2		0.7	
						6.6	0.0	242	19.2		8.1		32.6		90.4		6.9		4.1		6		53				<0.2		0.8	

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 13 January 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 (ppm)		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
IM9	Fine	Moderate	13:58	7.4	Surface	1.0	0.1	112	19.2	19.2	8.1	8.1	32.6	32.6	90.9	90.9	6.9	6.9	2.3	2.4	9	7	46	49	822090	808795	<0.2	<0.2	0.8	0.8
						1.0	0.1	112	19.2		8.1		32.6		90.9		6.9		2.3		8		46				<0.2		0.9	
					Middle	3.7	0.0	121	19.2	19.2	8.1	8.1	32.6	32.6	90.6	90.6	6.9		2.6		7		49				<0.2		0.7	
						3.7	0.0	122	19.2		8.1		32.6		90.6		6.9		2.6		6		49				<0.2		0.7	
					Bottom	6.4	0.0	330	19.1	19.1	8.1	8.1	32.6	32.6	90.6	90.7	6.9	6.9	2.3		6		52				<0.2		0.8	
						6.4	0.0	355	19.1		8.1		32.6		90.7		6.9		2.3		7		53				<0.2		0.9	
IM10	Fine	Rough	14:06	7.5	Surface	1.0	0.2	290	19.3	19.3	8.1	8.1	32.6	32.6	90.7	90.7	6.9	6.9	3.8	2.8	8	7	46	49	822403	809781	<0.2	<0.2	0.7	0.8
						1.0	0.2	292	19.3		8.1		32.6		90.7		6.9		3.9		9		46				<0.2		0.8	
					Middle	3.8	0.2	306	19.2	19.2	8.1	8.1	32.6	32.6	90.4	90.4	6.9		2.1		6		47				<0.2		0.7	
						3.8	0.2	308	19.2		8.1		32.6		90.3		6.9		2.0		7		48				<0.2		0.8	
					Bottom	6.5	0.2	300	19.2	19.2	8.1	8.1	32.6	32.6	89.9	89.9	6.9	6.9	2.6		6		52				<0.2		0.8	
						6.5	0.2	306	19.2		8.1		32.6		89.9		6.9		2.6		5		52				<0.2		0.8	
IM11	Fine	Rough	14:17	7.9	Surface	1.0	0.3	267	19.5	19.5	8.1	8.1	32.8	32.8	87.7	87.7	6.6	6.6	1.7	1.9	5	5	41	46	822066	811469	<0.2	<0.2	0.8	0.8
						1.0	0.4	268	19.5		8.1		32.8		87.7		6.6		1.8		6		41				<0.2		0.8	
					Middle	4.0	0.3	266	19.5	19.5	8.1	8.1	32.8	32.8	87.4	87.4	6.6		1.9		6		46				<0.2		0.7	
						4.0	0.3	271	19.5		8.1		32.8		87.3		6.6		1.9		5		46				<0.2		0.9	
					Bottom	6.9	0.3	268	19.5	19.5	8.1	8.1	32.8	32.8	87.0	87.0	6.6	6.6	2.0		5		49				<0.2		0.7	
						6.9	0.3	288	19.5		8.1		32.8		87.0		6.6		2.1		5		50				<0.2		0.8	
IM12	Fine	Rough	14:24	8.8	Surface	1.0	0.4	243	19.6	19.6	8.1	8.1	32.8	32.8	86.8	86.8	6.6	6.6	2.1	2.8	7	6	45	49	821437	812028	<0.2	<0.2	0.8	0.8
						1.0	0.4	249	19.6		8.1		32.8		86.8		6.6		2.1		7		46				<0.2		0.8	
					Middle	4.4	0.3	243	19.5	19.5	8.1	8.1	32.8	32.8	86.4	86.4	6.5		2.4		7		49				<0.2		0.7	
						4.4	0.3	251	19.5		8.1		32.8		86.4		6.5		2.5		6		49				<0.2		0.8	
					Bottom	7.8	0.2	251	19.5	19.5	8.1	8.1	32.8	32.8	86.0	86.0	6.5	6.5	3.9		5		53				<0.2		0.7	
						7.8	0.2	262	19.5		8.1		32.8		86.0		6.5		3.9		4		53				<0.2		0.8	
SR1A	Fine	Moderate	14:53	4.9	Surface	1.0	-	-	19.4	19.4	8.1	8.1	32.4	32.4	86.9	86.9	6.6	6.6	2.5	2.8	6	6	-	-	819981	812659	-	-	-	-
						1.0	-	-	19.4		8.1		32.4		86.9		6.6		2.5		7		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	19.4	19.4	8.1	8.1	32.5	32.5	86.6	86.7	6.6	6.6	3.1		5		-				-		-	
						3.9	-	-	19.4		8.1		32.5		86.7		6.6		3.1		6		-				-		-	
SR2	Fine	Rough	15:08	5.1	Surface	1.0	0.2	324	19.6	19.6	8.1	8.1	32.9	32.9	86.5	86.5	6.5	6.5	2.6	2.7	4	4	41	45	821473	814170	<0.2	<0.2	0.8	0.8
						1.0	0.2	324	19.6		8.1		32.9		86.5		6.5		2.6		3		41				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	326	19.6	19.6	8.1	8.1	33.0	33.0	86.8	86.9	6.6	6.6	2.7		3		48				<0.2		0.9	
						4.1	0.2	357	19.6		8.1		33.0		86.9		6.6		2.8		4		49				<0.2		0.7	
SR3	Fine	Moderate	13:48	7.5	Surface	1.0	0.1	305	19.4	19.4	8.1	8.1	32.6	32.6	91.1	91.1	6.9	6.9	1.4	2.3	5	6	-	-	822145	807559	-	-	-	-
						1.0	0.1	322	19.4		8.1		32.6		91.1		6.9		1.4		6		-				-		-	
					Middle	3.8	0.1	267	19.4	19.4	8.1	8.1	32.6	32.6	90.8	90.8	6.9		1.9		5		-				-		-	
						3.8	0.1	288	19.4		8.1		32.6		90.7		6.9		1.9		6		-				-		-	
					Bottom	6.5	0.1	354	19.3	19.3	8.1	8.1	32.8	32.8	90.6	90.6	6.9	6.9	3.7		6		-				-		-	
						6.5	0.1	326	19.3		8.1		32.8		90.6		6.9		3.7		5		-				-		-	
SR4A	Cloudy	Moderate	14:16	9.2	Surface	1.0	0.1	299	18.4	18.4	8.2	8.2	32.9	32.9	94.3	94.4	7.3	7.3	3.7	4.3	7	7	-	-	817188	807794	-	-	-	-
						1.0	0.1	311	18.4		8.2		32.9		94.4		7.3		3.7		6		-				-		-	
					Middle	4.6	0.1	286	18.4	18.4	8.2	8.2	33.0	33.0	94.5	94.5	7.3		4.2		6		-				-		-	
						4.6	0.1	311	18.4		8.2		33.0		94.5		7.3		4.2		7		-				-		-	
					Bottom	8.2	0.1	279	18.4	18.4	8.2	8.2	33.0	33.0	96.3	96.5	7.4	7.5	4.9		7		-				-		-	
						8.2	0.1	305	18.4		8.2		33.0		96.7		7.5		4.8		6		-				-		-	
SR5A	Cloudy	Moderate	13:59	3.8	Surface	1.0	0.1	325	18.4	18.4	8.2	8.2	32.1	32.1	96.0	96.1	7.4	7.5	6.0	4.7	8	9	-	-	816574	810712	-	-	-	-
						1.0	0.1	347	18.4		8.2		32.1		96.1		7.5		6.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	300	18.4	18.4	8.2	8.2	32.1	32.1	96.9	97.1	7.5	7.5	3.4		8		-				-		-	
						2.8	0.0	325	18.4		8.2		32.1		97.2		7.5		3.2		9		-				-		-	
SR6A	Cloudy	Moderate	13:34	4.8	Surface	1.0	0.0	333	18.7	18.7	8.2	8.2	32.1	32.1	86.0	85.9	6.6	6.6	5.9	8.0	10	9	-	-	817946	814759	-	-	-	-
						1.0	0.0	349	18.7		8.2		32.2		85.8		6.6		6.1		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	326	18.7	18.7	8.2	8.2	32.3	32.3	85.2	85.3	6.6	6.6	9.8		7		-				-		-	
						3.8	0.0	345	18.7		8.2		32.3		85.4		6.6		10.0		8		-				-		-	
SR7	Fine	Rough	16:04	17.6	Surface	1.0	0.2	120	19.7	19.7	8.2	8.2	33.3	33.3	86.4	86.4	6.5	6.5	1.2	1.5	6	6	-	-	823615	823739	-	-	-	-
						1.0	0.2	121	19.7		8.2		33.3		86.4		6.5		1.2		6		-				-		-	
					Middle	8.8	0.2	106	19.7	19.7	8.2	8.2	33.3	33.3	86.1	86.1	6.5		1.7		5		-				-		-	
						8.8	0.2	107	19.7		8.2		33.3		86.1		6.5		1.6		6		-				-		-	
					Bottom	16.6	0.2	111	19.7	19.7	8.1	8.1	33.3	33.3	86.1	86.1	6.5	6.5	1.6		5		-				-		-	
						16.6	0.2	113	19.7		8.1		33.3		86.1		6.5		1.5		5		-				-		-	
SR8	Fine	Moderate	14:32	5.4	Surface	1.0	-	-	19.7	19.7	8.1	8.1	32.7	32.7	89.9	89.9	6.8	6.8	3.2	3.3	5	6	-	-	820405	811621	-	-	-	-
						1.0	-	-	19.7		8.1		32.7		89.8		6.8		3.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	19.5	19.5	8.1	8.1	32.8	32.8	88.3	88.3	6.7	6.7	3.3		7		-				-		-	
						4.4	-	-	19.5		8.1		32.8		88.3		6.7		3.3		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 15 January 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 (ppm)		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	11:22	8.2	Surface	1.0	0.1	55	19.7	19.7	8.2	8.2	33.7	33.7	95.4	95.3	7.2	7.1	6.1	8.2	6	7	48	51	815601	804244	<0.2	<0.2	0.8	0.6
						1.0	0.1	57	19.7		8.2		33.7		95.2		7.1		6.2		6		47				<0.2		0.8	
					Middle	4.1	0.2	78	19.6	19.6	8.2	8.2	33.8	33.8	94.4	94.4	7.1		8.1		7		53				<0.2		0.5	
						4.1	0.2	79	19.6		8.2		33.8		94.4		7.1		8.3		6		51				<0.2		0.6	
					Bottom	7.2	0.1	69	19.6	19.6	8.2	8.2	33.8	33.8	94.6	94.6	7.1	7.1	10.1		7		54				<0.2		0.5	
						7.2	0.1	71	19.6		8.2		33.8		94.6		7.1		10.6		8		54				<0.2		0.5	
C2	Fine	Rough	10:25	9.8	Surface	1.0	0.3	312	18.3	18.3	8.2	8.2	32.2	32.2	91.9	91.9	7.1	7.1	4.2	5.6	4	5	45	48	825678	806967	<0.2	<0.2	1.0	0.9
						1.0	0.3	325	18.3		8.2		32.2		91.9		7.1		4.3		4		45				<0.2		0.8	
					Middle	4.9	0.1	95	18.2	18.2	8.2	8.2	32.2	32.2	91.8	91.8	7.1		5.3		5		48				<0.2		0.8	
						4.9	0.1	99	18.2		8.2		32.2		91.8		7.1		5.3		5		49				<0.2		0.9	
					Bottom	8.8	0.2	145	18.2	18.2	8.2	8.2	32.2	32.2	92.2	92.3	7.2	7.2	7.2		6		51				<0.2		0.9	
						8.8	0.2	149	18.2		8.2		32.2		92.3		7.2		7.3		6		52				<0.2		0.7	
C3	Fine	Rough	12:18	11.5	Surface	1.0	0.1	132	18.9	18.9	8.2	8.2	33.0	33.0	88.4	88.4	6.8	6.8	1.1	1.6	4	5	44	49	822106	817818	<0.2	<0.2	0.9	0.8
						1.0	0.1	143	18.9		8.2		33.0		88.3		6.8		1.0		4		45				<0.2		0.8	
					Middle	5.8	0.2	136	18.7	18.7	8.2	8.2	33.0	33.0	87.1	87.1	6.7		1.5		5		48				<0.2		0.7	
						5.8	0.2	140	18.7		8.2		33.0		87.1		6.7		1.6		5		48				<0.2		0.9	
					Bottom	10.5	0.2	129	18.7	18.7	8.2	8.2	33.0	33.0	87.2	87.3	6.7	6.7	2.1		5		53				<0.2		0.8	
						10.5	0.2	130	18.7		8.2		33.0		87.3		6.7		2.1		5		53				<0.2		0.8	
IM1	Cloudy	Moderate	11:04	4.9	Surface	1.0	0.0	320	19.1	19.1	8.2	8.2	33.7	33.7	95.0	95.1	7.2	7.2	5.4	6.0	10	9	48	51	817928	807125	<0.2	<0.2	0.5	0.5
						1.0	0.0	342	19.1		8.2		33.7		95.1		7.2		5.5		10		51				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	313	19.2	19.2	8.2	8.2	33.6	33.6	96.3	96.5	7.3	7.3	6.6		8		54				<0.2		0.5	
						3.9	0.0	320	19.2		8.2		33.6		96.7		7.3		6.5		8		52				<0.2		0.5	
IM2	Cloudy	Moderate	10:57	6.6	Surface	1.0	0.1	359	19.4	19.4	8.2	8.2	33.8	33.8	95.0	95.0	7.2	7.2	6.4	9.7	10	9	44	48	818147	806174	<0.2	<0.2	0.5	0.5
						1.0	0.1	330	19.4		8.2		33.8		95.0		7.2		6.4		9		47				<0.2		0.6	
					Middle	3.3	0.1	8	19.4	19.4	8.2	8.2	33.8	33.8	94.9	94.9	7.2		7.8		9		47				<0.2		0.5	
						3.3	0.1	8	19.3		8.2		33.8		94.8		7.2		7.5		9		48				<0.2		0.4	
					Bottom	5.6	0.1	13	19.3	19.3	8.2	8.2	33.8	33.8	95.5	95.7	7.2	7.2	14.8		7		49				<0.2		0.5	
						5.6	0.1	14	19.3		8.2		33.8		95.8		7.2		15.2		7		51				<0.2		0.6	
IM3	Cloudy	Moderate	10:51	7.2	Surface	1.0	0.1	303	19.2	19.2	8.2	8.2	33.7	33.7	94.8	94.8	7.2	7.2	7.4	9.1	12	11	43	46	818799	805571	<0.2	<0.2	0.5	0.5
						1.0	0.1	328	19.2		8.2		33.7		94.8		7.2		7.6		11		43				<0.2		0.5	
					Middle	3.6	0.1	347	19.2	19.2	8.2	8.2	33.7	33.7	94.7	94.8	7.2		8.9		11		45				<0.2		0.6	
						3.6	0.1	319	19.2		8.2		33.7		94.8		7.2		9.2		11		45				<0.2		0.5	
					Bottom	6.2	0.1	35	19.1	19.1	8.2	8.2	33.7	33.7	95.7	95.8	7.2	7.3	10.8		10		49				<0.2		0.4	
						6.2	0.1	37	19.1		8.2		33.7		95.9		7.3		10.9		10		50				<0.2		0.5	
IM4	Cloudy	Moderate	10:41	8.6	Surface	1.0	0.2	334	19.3	19.3	8.2	8.2	33.8	33.8	95.3	95.3	7.2	7.2	8.7	10.5	11	10	44	47	819728	804590	<0.2	<0.2	0.4	0.5
						1.0	0.2	339	19.3		8.2		33.8		95.2		7.2		9.0		11		43				<0.2		0.5	
					Middle	4.3	0.2	3	19.2	19.2	8.2	8.2	33.8	33.8	95.5	95.6	7.2		10.7		10		47				<0.2		0.6	
						4.3	0.2	3	19.2		8.2		33.8		95.7		7.2		11.0		10		46				<0.2		0.5	
					Bottom	7.6	0.1	5	19.1	19.1	8.2	8.2	33.8	33.8	96.8	97.0	7.3	7.4	11.6		10		50				<0.2		0.5	
						7.6	0.1	5	19.1		8.2		33.8		97.1		7.4		11.7		10		51				<0.2		0.5	
IM5	Cloudy	Moderate	10:32	7.4	Surface	1.0	0.2	14	19.1	19.1	8.2	8.2	33.6	33.6	93.7	93.7	7.1	7.1	7.0	7.3	10	10	43	48	820745	804875	<0.2	<0.2	0.4	0.4
						1.0	0.2	15	19.1		8.2		33.6		93.7		7.1		7.0		10		44				<0.2		0.4	
					Middle	3.7	0.2	31	19.1	19.1	8.2	8.2	33.6	33.6	93.9	94.0	7.1		7.3		10		47				<0.2		0.5	
						3.7	0.2	31	19.1		8.2		33.6		94.0		7.1		7.4		10		47				<0.2		0.4	
					Bottom	6.4	0.2	37	19.0	19.0	8.2	8.2	33.6	33.6	96.1	96.3	7.3	7.3	7.7		9		52				<0.2		0.5	
						6.4	0.2	38	19.0		8.2		33.6		96.4		7.3		7.7		9		52				<0.2		0.4	
IM6	Cloudy	Moderate	10:25	7.2	Surface	1.0	0.0	205	19.0	19.0	8.2	8.2	33.1	33.1	93.0	93.0	7.1	7.1	4.7	5.7	5	6	43	47	821036	805845	<0.2	<0.2	0.5	0.5
						1.0	0.0	208	19.0		8.2		33.2		93.0		7.1		4.8		6		43				<0.2		0.5	
					Middle	3.6	0.1	137	19.0	19.0	8.2	8.2	33.4	33.4	93.2	93.3	7.1		5.8		6		48				<0.2		0.5	
						3.6	0.1	140	19.0		8.2		33.4		93.3		7.1		6.0		6		47				<0.2		0.6	
					Bottom	6.2	0.1	90	19.0	19.0	8.2	8.2	33.4	33.4	94.1	94.2	7.2	7.2	6.5		6		52				<0.2		0.4	
						6.2	0.1	96	19.0		8.2		33.4		94.2		7.2		6.5		6		51				<0.2		0.4	
IM7	Cloudy	Moderate	10:20	8.5	Surface	1.0	0.1	259	19.1	19.1	8.2	8.2	32.7	32.7	92.1	92.2	7.0	7.1	3.9	5.9	10	10	42	47	821341	806822	<0.2	<0.2	0.4	0.5
						1.0	0.1	262	19.0		8.2		32.7		92.2		7.0		4.0		10		42				<0.2		0.5	
					Middle	4.3	0.1	151	18.9	18.9	8.2	8.2	33.3	33.3	92.5	92.6	7.1		6.3		10		48				<0.2		0.4	
						4.3	0.1	164	18.9		8.3		33.3		92.6		7.1		6.5		10		51				<0.2		0.5	
					Bottom	7.5	0.2	134	18.9	18.9	8.3	8.3	33.4	33.4	92.6	92.6	7.1	7.1	7.2		11		50				<0.2		0.5	
						7.5	0.2	134	18.9		8.3		33.4		92.6		7.1		7.4		11		51				<0.2		0.4	
IM8	Fine	Rough	10:48	8.1	Surface	1.0	0.1	90	18.4	18.4	8.2	8.2	32.2	32.2	91.7	91.7	7.1	7.1	3.1	3.9	7	6	46	49	821825	808151	<0.2	<0.2	0.6	0.7
						1.0	0.1	94	18.4		8.2		32.2		91.7		7.1		3.1		8		46				<0.2		0.7	
					Middle	4.1	0.2	104	18.3	18.3	8.2	8.2	32.3	32.3	91.0	91.0	7.1		3.7		6		48				<0.2		0.7	
						4.1	0.2	113	18.3		8.2		32.3		91.0		7.1		3.7		6		48				<0.2		0.7	
					Bottom	7.1	0.2	119	18.3	18.3	8.2	8.2	32.8	32.8	91.0	91.1	7.0	7.1	5.0		5		52				<0.2		0.6	
						7.1	0.2	121	18.3		8.2		32.8		91.1		7.1		5.0		5		53				<0.2		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 15 January 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 (ppm)		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
IM9	Fine	Rough	10:54	7.9	Surface	1.0	0.3	94	18.4	18.4	8.2	8.2	32.4	32.4	91.1	91.1	7.1	7.1	3.0	3.6	5	5	41	47	822100	808806	<0.2	<0.2	0.7	0.7
						1.0	0.3	101	18.4		8.2		32.4		91.1		7.1		3.1		6		42				<0.2		0.8	
					Middle	4.0	0.2	98	18.3	18.3	8.2	8.2	32.6	32.6	90.9	90.9	7.0		3.2		5		48				<0.2		0.7	
						4.0	0.2	104	18.3		8.2		32.6		90.9		7.0		3.2		5		48				<0.2		0.6	
					Bottom	6.9	0.2	95	18.2	18.3	8.2	8.2	32.8	32.8	91.2	91.3	7.1	7.1	4.6		5		51				<0.2		0.7	
						6.9	0.2	103	18.3		8.2		32.8		91.3		7.1		4.7		5		52				<0.2		0.7	
IM10	Fine	Rough	11:01	8.2	Surface	1.0	0.1	42	18.4	18.4	8.2	8.2	32.6	32.6	92.5	92.5	7.2	7.2	2.4	3.0	6	6	44	49	822405	809797	<0.2	<0.2	0.6	0.7
						1.0	0.1	46	18.4		8.2		32.6		92.5		7.2		2.4		6		45				<0.2		0.6	
					Middle	4.1	0.2	53	18.3	18.3	8.2	8.2	32.7	32.7	91.7	91.7	7.1		2.6		6		49				<0.2		0.6	
						4.1	0.2	53	18.3		8.2		32.7		91.7		7.1		2.6		6		50				<0.2		0.7	
					Bottom	7.2	0.2	89	18.3	18.3	8.2	8.2	32.7	32.7	90.9	91.0	7.0	7.0	4.0		6		51				<0.2		0.7	
						7.2	0.2	94	18.3		8.2		32.7		91.0		7.0		4.1		5		52				<0.2		0.7	
IM11	Fine	Rough	11:11	8.4	Surface	1.0	0.1	188	18.5	18.5	8.2	8.2	32.8	32.8	88.7	88.7	6.8	6.9	3.7	4.2	5	6	43	48	822062	811436	<0.2	<0.2	0.7	0.7
						1.0	0.1	193	18.5		8.2		32.8		88.7		6.8		3.7		6		44				<0.2		0.7	
					Middle	4.2	0.1	202	18.5	18.5	8.2	8.2	32.8	32.8	89.4	89.4	6.9		3.8		6		48				<0.2		0.8	
						4.2	0.1	214	18.5		8.2		32.8		89.4		6.9		3.8		6		49				<0.2		0.7	
					Bottom	7.4	0.1	187	18.5	18.5	8.2	8.2	32.8	32.8	90.0	90.1	6.9	6.9	5.1		6		51				<0.2		0.7	
						7.4	0.1	202	18.5		8.2		32.8		90.1		6.9		5.1		6		51				<0.2		0.7	
IM12	Fine	Rough	11:17	9.0	Surface	1.0	0.2	202	18.6	18.6	8.2	8.2	32.9	32.9	88.5	88.5	6.8	6.8	3.1	3.4	6	6	41	46	821457	812022	<0.2	<0.2	0.7	0.7
						1.0	0.2	207	18.6		8.2		32.9		88.5		6.8		3.2		6		42				<0.2		0.7	
					Middle	4.5	0.1	199	18.6	18.6	8.2	8.2	32.9	32.9	88.3	88.3	6.8		3.5		6		46				<0.2		0.7	
						4.5	0.1	206	18.6		8.2		32.9		88.3		6.8		3.5		5		46				<0.2		0.7	
					Bottom	8.0	0.1	167	18.6	18.6	8.2	8.2	32.9	32.9	88.5	88.5	6.8	6.8	3.6		5		49				<0.2		0.7	
						8.0	0.1	169	18.6		8.2		32.9		88.5		6.8		3.7		5		50				<0.2		0.7	
SR1A	Fine	Moderate	11:44	4.7	Surface	1.0	-	-	18.3	18.3	8.2	8.2	32.5	32.5	89.4	89.4	6.9	6.9	3.2	3.4	4	5	-	-	819974	812658	-	-	-	-
						1.0	-	-	18.3		8.2		32.5		89.4		6.9		3.2		4		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	18.3	18.3	8.2	8.2	32.6	32.6	89.6	89.6	6.9	6.9	3.6		5		-				-		-	
						3.7	-	-	18.3		8.2		32.6		89.6		6.9		3.6		5		-				-		-	
SR2	Fine	Rough	11:58	4.9	Surface	1.0	0.2	98	18.8	18.8	8.2	8.2	32.9	32.9	89.2	89.2	6.8	6.8	2.7	3.2	7	6	45	47	821467	814165	<0.2	<0.2	0.6	0.7
						1.0	0.2	101	18.8		8.2		32.9		89.2		6.8		2.7		6		45				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	89	18.7	18.7	8.2	8.2	32.9	32.9	89.4	89.5	6.9	6.9	3.6		5		48				<0.2		0.7	
						3.9	0.1	95	18.7		8.2		32.9		89.5		6.9		3.7		5		48				<0.2		0.6	
SR3	Fine	Rough	10:43	8.3	Surface	1.0	0.1	126	18.4	18.4	8.2	8.2	32.3	32.3	91.8	91.8	7.1	7.2	3.2	4.7	4	5	-	-	822125	807563	-	-	-	-
						1.0	0.1	129	18.4		8.2		32.3		91.8		7.1		3.2		4		-				-		-	
					Middle	4.2	0.0	157	18.3	18.3	8.2	8.2	32.4	32.4	92.2	92.3	7.2		3.5		4		-				-		-	
						4.2	0.0	164	18.3		8.2		32.4		92.3		7.2		3.5		5		-				-		-	
					Bottom	7.3	0.2	118	18.2	18.2	8.2	8.2	33.1	33.1	93.5	93.6	7.2	7.2	7.4		6		-				-		-	
						7.3	0.2	128	18.2		8.2		33.1		93.6		7.2		7.4		6		-				-		-	
SR4A	Cloudy	Moderate	11:42	9.4	Surface	1.0	0.3	68	19.4	19.4	8.2	8.2	33.8	33.8	94.9	94.9	7.2	7.2	5.1	6.0	6	7	-	-	817211	807829	-	-	-	-
						1.0	0.3	73	19.3		8.2		33.8		94.8		7.2		5.2		6		-				-		-	
					Middle	4.7	0.3	69	19.3	19.3	8.2	8.2	33.7	33.7	94.8	94.8	7.2		6.3		6		-				-		-	
						4.7	0.3	70	19.3		8.2		33.7		94.8		7.2		6.3		7		-				-		-	
					Bottom	8.4	0.2	69	19.3	19.3	8.2	8.2	33.7	33.7	95.1	95.1	7.2	7.2	6.6		8		-				-		-	
						8.4	0.3	73	19.3		8.2		33.7		95.1		7.2		6.6		8		-				-		-	
SR5A	Cloudy	Moderate	11:57	3.8	Surface	1.0	0.1	33	18.9	18.9	8.1	8.1	32.9	32.9	94.2	94.3	7.2	7.2	5.6	6.0	6	7	-	-	816601	810711	-	-	-	-
						1.0	0.1	35	18.9		8.1		32.9		94.3		7.2		5.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	35	18.9	18.9	8.1	8.1	32.9	32.9	94.7	94.8	7.2	7.2	6.3		7		-				-		-	
						2.8	0.1	37	18.9		8.1		32.9		94.8		7.2		6.5		7		-				-		-	
SR6A	Cloudy	Moderate	12:38	4.7	Surface	1.0	0.0	48	19.4	19.4	8.1	8.1	32.9	32.9	91.3	91.3	6.9	6.9	5.3	5.8	6	7	-	-	817948	814756	-	-	-	-
						1.0	0.0	50	19.4		8.1		32.9		91.3		6.9		5.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	34	19.4	19.4	8.1	8.1	32.9	32.9	92.3	92.3	7.0	7.0	6.3		7		-				-		-	
						3.7	0.0	35	19.4		8.1		32.9		92.3		7.0		6.3		7		-				-		-	
SR7	Fine	Rough	12:47	13.8	Surface	1.0	0.0	325	18.7	18.7	8.2	8.2	33.0	33.0	87.5	87.5	6.7	6.7	1.9	2.3	6	5	-	-	823643	823765	-	-	-	-
						1.0	0.0	339	18.7		8.2		33.0		87.5		6.7		1.9		6		-				-		-	
					Middle	6.9	0.0	79	18.7	18.7	8.2	8.2	33.0	33.0	87.3	87.3	6.7		2.7		4		-				-		-	
						6.9	0.0	80	18.7		8.2		33.0		87.3		6.7		2.7		5		-				-		-	
					Bottom	12.8	0.0	290	18.7	18.7	8.2	8.2	33.0	33.0	87.6	87.7	6.7	6.7	2.4		4		-				-		-	
						12.8	0.0	314	18.7		8.2		33.0		87.7		6.7		2.4		4		-				-		-	
SR8	Fine	Moderate	11:24	5.1	Surface	1.0	-	-	18.7	18.8	8.2	8.2	32.7	32.7	93.1	93.1	7.2	7.2	3.0	4.1	5	6	-	-	820368	811637	-	-	-	-
						1.0	-	-	18.8		8.2		32.7		93.1		7.2		3.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	18.5	18.5	8.2	8.2	32.7	32.7	92.5	92.6	7.1	7.1	5.2		6		-				-		-	
						4.1	-	-	18.5		8.2		32.7		92.6		7.1		5.2		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 January 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 (ppm)		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	07:16	7.2	Surface	1.0	0.3	20	19.6	19.6	8.2	8.2	33.9	33.9	94.6	94.6	7.1	7.1	14.8	15.1	11	13	49	52	815603	804236	<0.2	<0.2	0.5	0.5
						1.0	0.3	21	19.6		8.2		33.9		94.6		7.1		14.8		11		48				<0.2		0.5	
					Middle	3.6	0.3	21	19.6	19.6	8.2	8.2	33.9	33.9	94.6	94.6	7.1		14.8		13		52				<0.2		0.5	
						3.6	0.3	21	19.6		8.2		33.9		94.6		7.1		14.6		12		51				<0.2		0.7	
					Bottom	6.2	0.3	28	19.5	19.5	8.2	8.2	33.9	33.9	94.9	95.0	7.1	7.1	15.7		15		57				<0.2		0.5	
						6.2	0.3	29	19.5		8.2		33.9		95.0		7.1		15.7		16		56				<0.2		0.5	
C2	Fine	Rough	08:33	9.6	Surface	1.0	0.2	350	18.4	18.4	8.2	8.2	32.2	32.2	89.2	89.3	6.9	6.9	2.5	3.0	5	5	43	47	825669	806968	<0.2	<0.2	0.8	0.7
						1.0	0.2	322	18.4		8.2		32.2		89.3		6.9		2.5		6		43				<0.2		0.6	
					Middle	4.8	0.2	345	18.4	18.4	8.2	8.2	32.2	32.2	89.2	89.2	6.9		3.4		5		47				<0.2		0.7	
						4.8	0.2	317	18.4		8.2		32.2		89.2		6.9		3.4		5		47				<0.2		0.6	
					Bottom	8.6	0.2	336	18.4	18.4	8.2	8.2	32.2	32.2	89.4	89.4	6.9	6.9	3.2		5		52				<0.2		0.6	
						8.6	0.2	354	18.4		8.2		32.2		89.4		6.9		3.2		5		52				<0.2		0.7	
C3	Fine	Rough	06:44	10.3	Surface	1.0	0.3	281	18.7	18.7	8.2	8.2	32.9	32.9	86.7	86.7	6.7	6.7	2.6	2.7	5	5	42	48	822099	817784	<0.2	<0.2	0.7	0.7
						1.0	0.3	282	18.7		8.2		32.9		86.7		6.7		2.6		5		43				<0.2		0.8	
					Middle	5.2	0.4	271	18.7	18.7	8.2	8.2	32.9	32.9	86.8	86.8	6.7		2.7		5		49				<0.2		0.7	
						5.2	0.4	287	18.7		8.2		32.9		86.8		6.7		2.6		5		49				<0.2		0.7	
					Bottom	9.3	0.4	277	18.7	18.7	8.2	8.2	32.9	32.9	87.3	87.4	6.7	6.7	2.7		5		52				<0.2		0.8	
						9.3	0.4	277	18.7		8.2		32.9		87.4		6.7		2.8		5		53				<0.2		0.7	
IM1	Cloudy	Moderate	07:35	5.0	Surface	1.0	0.1	6	19.1	19.1	8.2	8.2	33.7	33.7	94.4	94.5	7.2	7.2	5.6	5.8	8	11	51	52	817950	807111	<0.2	<0.2	0.5	0.4
						1.0	0.1	6	19.1		8.2		33.7		94.6		7.2		5.7		8		49				<0.2		0.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	18	19.1	19.1	8.2	8.2	33.7	33.7	95.8	95.9	7.3	7.3	5.9		13		53				<0.2		0.4	
						4.0	0.1	19	19.1		8.2		33.7		96.0		7.3		6.0		14		55				<0.2		0.4	
IM2	Cloudy	Moderate	07:45	6.5	Surface	1.0	0.1	341	19.0	19.0	8.2	8.2	33.7	33.7	93.6	93.6	7.1	7.1	11.3	15.0	13	14	46	52	818182	806169	<0.2	<0.2	0.4	0.4
						1.0	0.2	314	19.0		8.2		33.7		93.6		7.1		11.3		12		51				<0.2		0.5	
					Middle	3.3	0.1	348	19.0	19.0	8.2	8.2	33.7	33.7	93.6	93.6	7.1		17.5		15		52				<0.2		0.4	
						3.3	0.1	320	19.0		8.2		33.7		93.6		7.1		19.6		15		53				<0.2		0.4	
					Bottom	5.5	0.1	342	19.0	19.0	8.2	8.2	33.6	33.6	94.1	94.1	7.1	7.2	14.7		15		55				<0.2		0.4	
						5.5	0.2	315	19.0		8.2		33.6		94.1		7.2		15.8		15		54				<0.2		0.5	
IM3	Cloudy	Moderate	07:52	6.8	Surface	1.0	0.2	315	18.9	18.9	8.2	8.2	33.6	33.6	93.6	93.6	7.1	7.1	11.3	12.1	15	13	45	48	818777	805574	<0.2	<0.2	0.4	0.5
						1.0	0.2	340	18.9		8.2		33.6		93.6		7.1		11.3		14		45				<0.2		0.5	
					Middle	3.4	0.2	318	18.9	18.9	8.2	8.2	33.6	33.6	93.9	94.0	7.1		12.3		12		48				<0.2		0.5	
						3.4	0.2	320	18.9		8.2		33.6		94.0		7.2		12.2		12		48				<0.2		0.4	
					Bottom	5.8	0.2	316	18.9	18.9	8.2	8.2	33.6	33.6	94.5	94.5	7.2	7.2	12.8		11		53				<0.2		0.5	
						5.8	0.2	342	18.9		8.2		33.6		94.5		7.2		13.0		11		51				<0.2		0.4	
IM4	Cloudy	Moderate	08:00	8.0	Surface	1.0	0.3	332	18.9	18.9	8.2	8.2	33.7	33.7	94.1	94.1	7.2	7.2	14.5	15.1	16	17	47	49	819730	804628	<0.2	<0.2	0.4	0.4
						1.0	0.3	305	18.9		8.2		33.7		94.1		7.2		14.7		17		45				<0.2		0.4	
					Middle	4.0	0.3	334	18.9	18.9	8.2	8.2	33.7	33.7	94.2	94.2	7.2		15.2		17		48				<0.2		0.4	
						4.0	0.3	356	18.9		8.2		33.7		94.2		7.2		15.3		17		50				<0.2		0.4	
					Bottom	7.0	0.3	337	18.9	18.9	8.2	8.2	33.7	33.7	94.7	94.8	7.2	7.2	15.6		17		51				<0.2		0.4	
						7.0	0.3	310	18.9		8.2		33.7		94.9		7.2		15.6		17		52				<0.2		0.4	
IM5	Cloudy	Moderate	08:08	8.1	Surface	1.0	0.4	344	18.9	18.9	8.2	8.2	33.4	33.4	92.7	92.7	7.1	7.1	8.2	9.1	21	19	49	52	820750	804861	<0.2	<0.2	0.3	0.4
						1.0	0.4	316	18.9		8.2		33.4		92.7		7.1		8.2		20		50				<0.2		0.5	
					Middle	4.1	0.3	351	18.9	18.9	8.2	8.2	33.4	33.4	92.5	92.5	7.0		9.3		19		51				<0.2		0.4	
						4.1	0.4	357	18.9		8.2		33.4		92.5		7.0		9.4		19		51				<0.2		0.4	
					Bottom	7.1	0.4	354	18.9	18.9	8.2	8.2	33.4	33.4	92.9	93.0	7.1	7.1	9.9		16		56				<0.2		0.4	
						7.1	0.4	326	18.9		8.2		33.4		93.0		7.1		9.8		16		57				<0.2		0.5	
IM6	Cloudy	Moderate	08:16	7.6	Surface	1.0	0.1	317	18.9	18.9	8.2	8.2	33.1	33.1	92.4	92.4	7.1	7.1	4.4	9.0	10	11	49	53	821080	805845	<0.2	<0.2	0.5	0.5
						1.0	0.1	344	18.9		8.2		33.1		92.4		7.1		4.5		10		50				<0.2		0.6	
					Middle	3.8	0.1	83	18.9	18.9	8.2	8.2	33.3	33.3	92.7	92.8	7.1		8.5		10		52				<0.2		0.5	
						3.8	0.1	83	18.9		8.2		33.3		92.8		7.1		9.3		11		52				<0.2		0.4	
					Bottom	6.6	0.1	87	18.9	18.9	8.1	8.1	33.4	33.4	93.5	93.6	7.1	7.1	13.7		13		56				<0.2		0.4	
						6.6	0.1	88	18.9		8.1		33.4		93.7		7.1		13.9		13		57				<0.2		0.4	
IM7	Cloudy	Moderate	08:25	7.9	Surface	1.0	0.1	282	19.0	19.0	8.1	8.1	32.8	32.8	92.0	92.0	7.0	7.1	4.8	10.3	14	12	46	52	821330	806853	<0.2	<0.2	0.4	0.5
						1.0	0.1	285	19.0		8.1		32.8		92.0		7.0		5.2		13		49				<0.2		0.4	
					Middle	4.0	0.1	176	18.9	18.9	8.2	8.2	33.3	33.3	92.8	92.8	7.1		10.7		12		52				<0.2		0.4	
						4.0	0.1	184	18.9		8.2		33.3		92.8		7.1		11.3		12		51				<0.2		0.4	
					Bottom	6.9	0.1	114	18.9	18.9	8.2	8.2	33.4	33.4	93.1	93.2	7.1	7.1	14.3		10		57				<0.2		0.6	
						6.9	0.2	119	18.9		8.2		33.4		93.2		7.1		15.3		10		55				<0.2		0.5	
IM8	Fine	Rough	08:10	7.3	Surface	1.0	0.1	41	18.3	18.3	8.2	8.2	32.5	32.5	89.9	90.0	7.0	7.0	4.2	5.5	10	9	44	49	821824	808147	<0.2	<0.2	0.7	0.7
						1.0	0.1	43	18.3		8.2		32.5		90.0		7.0		4.3		9		44				<0.2		0.6	
					Middle	3.7	0.1	111	18.3	18.3	8.2	8.2	32.5	32.5	89.9	89.9	7.0		5.3		9		48				<0.2		0.7	
						3.7	0.1	114	18.3		8.2		32.5		89.9		7.0		5.3		9		49				<0.2		0.6	
					Bottom	6.3	0.1	100	18.2	18.2	8.2	8.2	32.8	32.8	90.3	90.4	7.0	7.0	6.9		9		54				<0.2		0.7	
						6.3	0.1	105	18.2		8.2		32.8		90.4		7.0		6.9		8		54				<0.2		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 15 January 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 (ppm)		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
IM9	Fine	Rough	08:04	6.7	Surface	1.0	0.0	160	18.2	18.2	8.2	8.2	32.8	32.8	90.1	90.1	7.0	7.0	4.3	4.2	12	10	41	47	822072	808803	<0.2	<0.2	0.8	0.7
						1.0	0.0	163	18.2		8.2		32.8		90.1		7.0		4.3		12		41				<0.2		0.6	
					Middle	3.4	0.0	39	18.2	18.2	8.2	8.2	32.8	32.8	90.1	90.1	7.0		4.4		10		48				<0.2		0.7	
						3.4	0.0	41	18.2		8.2		32.8		90.1		7.0		4.4		10		48				<0.2		0.7	
					Bottom	5.7	0.0	183	18.2	18.2	8.2	8.2	32.8	32.8	90.5	90.6	7.0	7.0	4.0		7		53				<0.2		0.8	
						5.7	0.0	185	18.2		8.2		32.8		90.6		7.0		4.0		7		53				<0.2		0.6	
IM10	Fine	Rough	07:58	7.5	Surface	1.0	0.4	299	18.2	18.2	8.2	8.2	32.7	32.7	89.4	89.4	6.9	6.9	3.8	3.8	8	7	43	48	822399	809810	<0.2	<0.2	0.8	0.7
						1.0	0.4	325	18.2		8.2		32.7		89.4		6.9		3.9		8		44				<0.2		0.7	
					Middle	3.8	0.5	288	18.2	18.2	8.2	8.2	32.7	32.7	89.3	89.3	6.9		3.7		8		49				<0.2		0.6	
						3.8	0.5	297	18.2		8.2		32.7		89.3		6.9		3.7		8		48				<0.2		0.7	
					Bottom	6.5	0.4	293	18.2	18.2	8.2	8.2	32.7	32.7	89.4	89.4	6.9	6.9	4.0		6		52				<0.2		0.7	
						6.5	0.5	300	18.2		8.2		32.7		89.4		6.9		4.0		6		53				<0.2		0.8	
IM11	Fine	Moderate	07:49	7.8	Surface	1.0	0.3	267	18.5	18.5	8.2	8.2	32.8	32.8	87.5	87.5	6.8	6.8	7.2	8.4	10	8	41	47	822075	811474	<0.2	<0.2	0.7	0.7
						1.0	0.3	293	18.5		8.2		32.8		87.5		6.8		7.2		8		41				<0.2		0.6	
					Middle	3.9	0.2	302	18.5	18.5	8.2	8.2	32.8	32.8	87.4	87.4	6.7		8.5		8		48				<0.2		0.8	
						3.9	0.2	316	18.5		8.2		32.8		87.4		6.7		8.5		8		49				<0.2		0.8	
					Bottom	6.8	0.3	283	18.5	18.5	8.2	8.2	32.8	32.8	87.5	87.6	6.8	6.8	9.5		8		51				<0.2		0.7	
						6.8	0.3	284	18.5		8.2		32.8		87.6		6.8		9.5		8		51				<0.2		0.8	
IM12	Fine	Moderate	07:44	8.4	Surface	1.0	0.4	273	18.4	18.4	8.2	8.2	32.8	32.8	84.4	84.4	6.5	6.5	4.4	5.7	6	8	44	48	821437	812060	<0.2	<0.2	0.7	0.7
						1.0	0.5	292	18.4		8.2		32.8		84.4		6.5		4.4		6		44				<0.2		0.6	
					Middle	4.2	0.4	276	18.4	18.4	8.2	8.2	32.8	32.8	83.4	83.4	6.4		4.7		8		49				<0.2		0.6	
						4.2	0.4	301	18.4		8.2		32.8		83.4		6.4		4.7		8		50				<0.2		0.7	
					Bottom	7.4	0.4	262	18.4	18.4	8.2	8.2	32.8	32.8	81.3	81.3	6.3	6.3	7.9		8		51				<0.2		0.7	
						7.4	0.4	288	18.4		8.2		32.8		81.2		6.3		7.8		9		52				<0.2		0.6	
SR1A	Fine	Moderate	07:17	4.9	Surface	1.0	-	-	18.1	18.1	8.1	8.1	32.5	32.5	86.6	86.6	6.7	6.7	2.3	2.4	8	9	-	-	819982	812656	-	-	-	-
						1.0	-	-	18.1		8.1		32.5		86.5		6.7		2.3		8		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	18.2	18.2	8.1	8.1	32.5	32.5	86.6	86.6	6.7	6.7	2.4		9		-				-		-	
						3.9	-	-	18.2		8.1		32.5		86.6		6.7		2.4		9		-				-		-	
SR2	Fine	Rough	07:03	4.7	Surface	1.0	0.1	19	18.4	18.4	8.2	8.2	32.8	32.8	88.2	88.2	6.8	6.8	5.7	6.4	8	10	45	47	821462	814149	<0.2	<0.2	0.7	0.7
						1.0	0.1	19	18.4		8.2		32.8		88.2		6.8		5.8		9		45				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	57	18.4	18.4	8.2	8.2	32.8	32.8	90.1	90.3	7.0	7.0	7.1		11		49				<0.2		0.7	
						3.7	0.1	58	18.4		8.2		32.8		90.4		7.0		7.1		10		48				<0.2		0.7	
SR3	Fine	Rough	08:15	7.9	Surface	1.0	0.1	50	18.3	18.3	8.2	8.2	32.3	32.3	89.7	89.7	7.0	7.0	3.4	3.8	8	7	-	-	822128	807578	-	-	-	-
						1.0	0.1	51	18.3		8.2		32.3		89.7		7.0		3.4		8		-				-		-	
					Middle	4.0	0.1	59	18.3	18.3	8.2	8.2	32.3	32.3	89.6	89.6	6.9		3.7		6		-				-		-	
						4.0	0.1	61	18.3		8.2		32.3		89.6		6.9		3.7		6		-				-		-	
					Bottom	6.9	0.0	321	18.3	18.3	8.2	8.2	32.7	32.7	89.9	89.9	7.0	7.0	4.2		6		-				-		-	
						6.9	0.0	326	18.3		8.2		32.7		89.9		7.0		4.3		6		-				-		-	
SR4A	Cloudy	Moderate	06:55	8.9	Surface	1.0	0.2	91	18.8	18.8	8.2	8.2	33.4	33.4	92.6	92.6	7.1	7.1	7.4	7.2	13	15	-	-	817192	807818	-	-	-	-
						1.0	0.2	99	18.8		8.2		33.4		92.5		7.1		7.5		13		-				-		-	
					Middle	4.5	0.2	74	18.9	18.9	8.2	8.2	33.5	33.5	92.7	92.7	7.1		7.4		15		-				-		-	
						4.5	0.2	80	18.9		8.2		33.5		92.7		7.1		7.3		15		-				-		-	
					Bottom	7.9	0.2	69	18.9	18.9	8.2	8.2	33.5	33.5	92.8	92.8	7.1	7.1	6.8		16		-				-		-	
						7.9	0.2	71	18.8		8.2		33.5		92.8		7.1		6.6		16		-				-		-	
SR5A	Cloudy	Moderate	06:36	3.7	Surface	1.0	0.0	16	18.6	18.6	8.0	8.0	32.8	32.8	91.1	91.2	7.0	7.0	4.3	4.6	12	11	-	-	816588	810706	-	-	-	-
						1.0	0.0	17	18.6		8.0		32.8		91.2		7.0		4.4		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	6	18.6	18.6	8.0	8.0	32.8	32.8	92.9	93.0	7.2	7.2	4.8		10		-				-		-	
						2.7	0.0	6	18.6		8.0		32.8		93.1		7.2		5.0		9		-				-		-	
SR6A	Cloudy	Moderate	06:10	4.7	Surface	1.0	0.0	181	19.0	19.0	8.1	8.1	32.9	32.9	86.4	86.4	6.6	6.6	10.3	12.5	8	7	-	-	817975	814739	-	-	-	-
						1.0	0.0	181	19.0		8.1		32.9		86.4		6.6		10.9		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	188	19.1	19.1	8.2	8.2	32.9	32.9	86.6	86.6	6.6	6.6	14.9		7		-				-		-	
						3.7	0.0	198	19.1		8.2		32.9		86.6		6.6		13.7		6		-				-		-	
SR7	Fine	Rough	06:18	18.4	Surface	1.0	0.2	45	18.7	18.7	8.2	8.2	33.0	33.0	86.2	86.3	6.6	6.6	2.6	2.5	6	7	-	-	823644	823729	-	-	-	-
						1.0	0.2	45	18.7		8.2		33.0		86.3		6.6		2.6		6		-				-		-	
					Middle	9.2	0.1	53	18.7	18.7	8.2	8.2	33.0	33.0	86.3	86.4	6.6		2.4		6		-				-		-	
						9.2	0.2	56	18.7		8.2		33.0		86.4		6.6		2.5		7		-				-		-	
					Bottom	17.4	0.2	30	18.7	18.7	8.2	8.2	33.0	33.0	86.5	86.6	6.6	6.6	2.3		8		-				-		-	
						17.4	0.2	30	18.7		8.2		33.0		86.6		6.6		2.4		8		-				-		-	
SR8	Fine	Calm	07:37	4.1	Surface	1.0	-	-	18.4	18.4	8.2	8.2	32.7	32.7	90.2	90.2	7.0	7.0	3.1	3.2	7	9	-	-	820409	811621	-	-	-	-
						1.0	-	-	18.4		8.2		32.7		90.1		7.0		3.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	18.2	18.2	8.2	8.2	32.7	32.7	89.8	89.9	7.0	7.0	3.4		10		-				-		-	
						3.1	-	-	18.2		8.2		32.7		89.9		7.0		3.3		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 18 January 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 (ppm)		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	12:48	8.2	Surface	1.0	0.2	42	19.2	19.2	8.2	8.2	31.8	31.9	95.5	95.5	7.3	7.3	6.1	9.8	12	12	47	50	815610	804236	<0.2	<0.2	1.3	1.1
						1.0	0.2	45	19.2		8.2		31.9		95.4		7.3		6.2		13		47				<0.2		1.3	
					Middle	4.1	0.2	42	19.2	19.2	8.2	8.2	32.3	32.3	95.4	95.4	7.3		6.7		12		50				<0.2		1.1	
						4.1	0.2	45	19.2		8.2		32.3		95.4		7.3		6.8		11		51				<0.2		0.9	
					Bottom	7.2	0.0	345	19.2	19.2	8.2	8.2	32.4	32.4	96.3	96.4	7.4	7.4	16.8		11		51				<0.2		1.0	
						7.2	0.0	317	19.2		8.2		32.4		96.5		7.4		16.2		12		52				<0.2		1.1	
C2	Cloudy	Moderate	11:42	11.4	Surface	1.0	0.2	332	18.7	18.7	8.2	8.2	31.7	31.7	91.6	91.6	7.1	7.1	3.4	6.6	10	10	44	46	825693	806938	<0.2	<0.2	1.0	1.0
						1.0	0.3	305	18.7		8.2		31.7		91.6		7.1		3.4		9		44				<0.2		1.0	
					Middle	5.7	0.4	331	18.6	18.6	8.2	8.2	32.0	32.0	92.2	92.2	7.1		4.4		10		46				<0.2		1.0	
						5.7	0.4	305	18.6		8.2		32.0		92.2		7.1		4.4		9		46				<0.2		1.0	
					Bottom	10.4	0.2	36	18.6	18.6	8.2	8.2	32.5	32.5	93.4	93.5	7.2	7.2	12.1		11		49				<0.2		0.9	
						10.4	0.3	37	18.6		8.2		32.5		93.5		7.2		11.9		12		49				<0.2		0.8	
C3	Cloudy	Moderate	13:39	11.6	Surface	1.0	0.4	100	18.7	18.7	8.2	8.2	32.6	32.6	89.4	89.4	6.9	6.8	2.3	2.8	10	10	44	47	822105	817804	<0.2	<0.2	0.7	0.7
						1.0	0.4	108	18.7		8.2		32.6		89.3		6.9		2.3		12		45				<0.2		0.7	
					Middle	5.8	0.3	94	18.7	18.7	8.2	8.2	32.8	32.8	86.8	86.8	6.7		2.0		11		47				<0.2		0.7	
						5.8	0.4	96	18.7		8.2		32.8		86.8		6.7		2.1		11		47				<0.2		0.7	
					Bottom	10.6	0.3	81	18.7	18.7	8.2	8.2	32.9	32.9	86.7	86.8	6.7	6.7	3.9		9		49				<0.2		0.6	
						10.6	0.3	82	18.7		8.2		32.9		86.9		6.7		3.9		8		49				<0.2		0.6	
IM1	Cloudy	Moderate	12:29	5.2	Surface	1.0	0.0	300	19.3	19.3	8.2	8.2	32.9	32.9	94.5	94.5	7.2	7.2	6.8	7.4	11	11	49	50	817952	807142	<0.2	<0.2	1.0	1.0
						1.0	0.0	319	19.3		8.2		32.9		94.5		7.2		7.0		10		49				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	0	19.3	19.3	8.2	8.2	33.0	33.0	95.4	95.5	7.2	7.3	7.8		11		51				<0.2		0.9	
						4.2	0.1	0	19.3		8.2		33.0		95.6		7.3		7.8		12		52				<0.2		1.0	
IM2	Cloudy	Moderate	12:22	7.2	Surface	1.0	0.0	341	19.3	19.3	8.2	8.2	32.5	32.6	94.4	94.4	7.2	7.2	9.6	12.0	10	10	45	48	818186	806149	<0.2	<0.2	0.9	0.9
						1.0	0.0	358	19.3		8.2		32.6		94.4		7.2		10.0		10		47				<0.2		0.9	
					Middle	3.6	0.0	351	19.3	19.3	8.2	8.2	32.9	32.9	94.5	94.6	7.2		10.4		11		47				<0.2		0.8	
						3.6	0.0	323	19.3		8.2		32.9		94.7		7.2		11.4		10		48				<0.2		1.0	
					Bottom	6.2	0.0	356	19.3	19.3	8.2	8.2	32.8	32.8	95.6	95.7	7.3	7.3	15.3		10		50				<0.2		0.9	
						6.2	0.0	328	19.3		8.2		32.8		95.8		7.3		15.1		9		51				<0.2		0.8	
IM3	Cloudy	Moderate	12:14	7.6	Surface	1.0	0.2	10	19.3	19.3	8.2	8.2	32.3	32.4	94.6	94.6	7.2	7.2	7.1	8.8	11	11	44	46	818806	805613	<0.2	<0.2	1.0	1.1
						1.0	0.2	10	19.3		8.2		32.4		94.5		7.2		7.3		13		43				<0.2		1.1	
					Middle	3.8	0.2	347	19.3	19.3	8.2	8.2	32.8	32.8	94.0	94.0	7.1		9.0		11		46				<0.2		1.0	
						3.8	0.2	319	19.3		8.2		32.8		94.0		7.1		9.1		10		45				<0.2		1.1	
					Bottom	6.6	0.2	296	19.3	19.3	8.2	8.2	32.9	32.9	95.1	95.3	7.2	7.2	10.2		11		49				<0.2		1.1	
						6.6	0.2	324	19.3		8.2		32.9		95.4		7.2		10.0		10		50				<0.2		1.0	
IM4	Cloudy	Moderate	12:05	8.4	Surface	1.0	0.4	357	19.3	19.3	8.2	8.2	32.5	32.5	94.7	94.7	7.2	7.2	9.6	12.0	11	11	44	47	819715	804615	<0.2	<0.2	0.9	1.0
						1.0	0.5	357	19.3		8.2		32.5		94.7		7.2		9.8		11		44				<0.2		1.0	
					Middle	4.2	0.4	342	19.3	19.3	8.2	8.2	32.7	32.7	94.9	94.9	7.2		11.9		10		48				<0.2		1.0	
						4.2	0.4	315	19.3		8.2		32.7		94.9		7.2		12.1		11		47				<0.2		0.9	
					Bottom	7.4	0.3	343	19.3	19.3	8.2	8.2	32.8	32.8	96.5	96.6	7.3	7.3	14.3		11		50				<0.2		0.9	
						7.4	0.3	345	19.3		8.2		32.8		96.6		7.3		14.2		10		50				<0.2		1.0	
IM5	Cloudy	Moderate	11:57	7.8	Surface	1.0	0.6	24	19.3	19.3	8.2	8.2	32.6	32.6	94.9	94.9	7.2	7.2	9.2	10.1	15	15	44	48	820742	804844	<0.2	<0.2	1.0	1.0
						1.0	0.6	25	19.3		8.2		32.6		94.8		7.2		9.3		11		45				<0.2		0.9	
					Middle	3.9	0.5	21	19.3	19.3	8.2	8.2	32.7	32.7	95.0	95.0	7.2		10.3		17		47				<0.2		1.0	
						3.9	0.5	22	19.3		8.2		32.7		95.0		7.2		10.3		16		47				<0.2		1.0	
					Bottom	6.8	0.4	20	19.3	19.3	8.2	8.2	32.7	32.7	95.6	95.7	7.3	7.3	10.7		16		52				<0.2		0.9	
						6.8	0.4	21	19.3		8.2		32.7		95.8		7.3		10.7		17		53				<0.2		0.9	
IM6	Cloudy	Moderate	11:49	7.0	Surface	1.0	0.2	33	19.3	19.3	8.2	8.2	32.7	32.7	94.3	94.4	7.2	7.2	5.9	6.4	10	10	44	48	821060	805833	<0.2	<0.2	0.9	1.0
						1.0	0.2	34	19.3		8.2		32.7		94.4		7.2		6.0		8		43				<0.2		1.0	
					Middle	3.5	0.2	43	19.3	19.3	8.2	8.2	32.8	32.8	95.0	95.1	7.2		6.4		8		49				<0.2		1.0	
						3.5	0.2	47	19.3		8.2		32.8		95.2		7.2		6.5		9		47				<0.2		1.0	
					Bottom	6.0	0.3	48	19.3	19.3	8.2	8.2	32.9	32.9	96.2	96.3	7.3	7.3	6.8		13		53				<0.2		0.9	
						6.0	0.3	48	19.3		8.2		32.9		96.4		7.3		6.8		14		51				<0.2		1.0	
IM7	Cloudy	Moderate	11:42	8.4	Surface	1.0	0.1	8	19.4	19.4	8.3	8.3	32.5	32.5	93.6	93.6	7.1	7.1	5.2	5.8	13	13	43	48	821352	806818	<0.2	<0.2	0.8	1.0
						1.0	0.1	8	19.4		8.3		32.5		93.6		7.1		5.3		13		42				<0.2		0.9	
					Middle	4.2	0.1	68	19.4	19.4	8.3	8.3	32.8	32.8	93.9	94.0	7.1		6.0		13		49				<0.2		0.9	
						4.2	0.1	70	19.4		8.3		32.8		94.0		7.1		6.0		12		51				<0.2		0.9	
					Bottom	7.4	0.2	75	19.4	19.4	8.3	8.3	33.0	33.0	95.1	95.2	7.2	7.2	6.1		12		50				<0.2		1.2	
						7.4	0.2	82	19.4		8.3		33.0		95.2		7.2		6.2		12		52				<0.2		1.2	
IM8	Cloudy	Moderate	12:05	7.8	Surface	1.0	0.2	48	18.6	18.6	8.2	8.2	31.8	31.8	91.8	91.8	7.1	7.1	3.3	5.7	8	8	44	46	821806	808152	<0.2	<0.2	0.8	0.9
						1.0	0.2	49	18.6		8.2		31.8		91.8		7.1		3.3		7		43				<0.2		0.9	
					Middle	3.9	0.2	49	18.6	18.6	8.2	8.2	32.1	32.1	92.2	92.3	7.1		3.9		7		46				<0.2		0.8	
						3.9	0.2	50	18.6		8.2		32.1		92.3		7.1		3.9		8		46				<0.2		0.8	
					Bottom	6.8	0.3	72	18.6	18.6	8.2	8.2	32.6	32.6	92.9	92.9	7.2	7.2	10.0		8		48				<0.2		1.0	
						6.8	0.3	75	18.6		8.2		32.6		92.9		7.2		10.1		9		49				<0.2		0.8	

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 18 January 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 (ppm)		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
IM9	Cloudy	Moderate	12:11	7.5	Surface	1.0	0.4	68	18.6	18.6	8.2	8.2	31.8	31.8	91.6	91.6	7.1	7.1	3.1	3.2	10	9	43	46	822100	808796	<0.2	<0.2	0.8	0.9
						1.0	0.4	69	18.6		8.2		31.8		91.6		7.1		3.1		10		44				<0.2		0.9	
					Middle	3.8	0.4	72	18.6	18.6	8.2	8.2	31.8	31.8	91.6	91.6	7.1		3.2		10		46				<0.2		0.8	
						3.8	0.4	74	18.6		8.2		31.8		91.6		7.1		3.2		9		46				<0.2		0.8	
					Bottom	6.5	0.3	68	18.6	18.6	8.2	8.2	31.9	31.9	91.7	91.8	7.1	7.1	3.4		9		48				<0.2		0.9	
						6.5	0.3	74	18.6		8.2		31.9		91.8		7.1		3.4		8		48				<0.2		1.0	
IM10	Cloudy	Moderate	12:18	7.4	Surface	1.0	0.5	86	18.6	18.6	8.2	8.2	31.9	31.9	92.3	92.3	7.1	7.1	2.5	3.0	8	7	43	46	822382	809770	<0.2	<0.2	0.9	0.7
						1.0	0.5	91	18.6		8.2		31.9		92.2		7.1		2.4		7		43				<0.2		0.8	
					Middle	3.7	0.5	86	18.6	18.6	8.2	8.2	32.1	32.1	92.2	92.2	7.1		2.9		6		46				<0.2		0.7	
						3.7	0.5	86	18.6		8.2		32.1		92.2		7.1		3.0		7		47				<0.2		0.6	
					Bottom	6.4	0.3	97	18.7	18.7	8.2	8.2	32.3	32.3	92.6	92.7	7.1	7.1	3.7		7		49				<0.2		0.7	
						6.4	0.3	100	18.7		8.2		32.3		92.7		7.1		3.7		6		48				<0.2		0.6	
IM11	Cloudy	Moderate	12:27	8.0	Surface	1.0	0.1	112	18.7	18.7	8.2	8.2	32.5	32.5	92.0	92.0	7.1	7.1	3.5	3.8	14	10	43	46	822074	811472	<0.2	<0.2	0.7	0.8
						1.0	0.1	112	18.7		8.2		32.5		92.0		7.1		3.5		13		44				<0.2		0.6	
					Middle	4.0	0.1	83	18.7	18.7	8.2	8.2	32.5	32.5	92.0	92.0	7.1		4.0		10		46				<0.2		0.7	
						4.0	0.1	85	18.7		8.2		32.5		92.0		7.1		4.1		9		47				<0.2		0.8	
					Bottom	7.0	0.1	126	18.7	18.7	8.2	8.2	32.5	32.5	92.1	92.2	7.1	7.1	3.8		6		48				<0.2		0.9	
						7.0	0.1	137	18.7		8.2		32.5		92.2		7.1		3.8		7		48				<0.2		0.9	
IM12	Cloudy	Moderate	12:33	9.3	Surface	1.0	0.2	166	18.7	18.7	8.2	8.2	32.5	32.5	92.4	92.4	7.1	7.1	3.2	3.5	7	7	43	46	821440	812041	<0.2	<0.2	0.8	0.7
						1.0	0.2	168	18.7		8.2		32.5		92.4		7.1		3.2		6		43				<0.2		0.8	
					Middle	4.7	0.2	158	18.7	18.7	8.2	8.2	32.5	32.5	92.0	92.0	7.1		3.3		7		46				<0.2		0.6	
						4.7	0.2	169	18.7		8.2		32.5		92.0		7.1		3.4		6		47				<0.2		0.6	
					Bottom	8.3	0.2	148	18.7	18.7	8.2	8.2	32.5	32.5	91.7	91.8	7.1	7.1	4.0		7		48				<0.2		0.5	
						8.3	0.2	154	18.7		8.2		32.5		91.8		7.1		4.1		8		49				<0.2		0.6	
SR1A	Cloudy	Calm	13:06	5.1	Surface	1.0	-	-	18.6	18.6	8.2	8.2	32.6	32.6	92.0	92.0	7.1	7.1	7.3	10.1	17	16	-	-	819979	812660	-	-	-	-
						1.0	-	-	18.6		8.2		32.6		92.0		7.1		7.5		16		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	18.6	18.6	8.2	8.2	32.6	32.6	92.5	92.6	7.1	7.1	12.7		15		-				-		-	
						4.1	-	-	18.6		8.2		32.6		92.6		7.1		12.8		16		-				-		-	
SR2	Cloudy	Moderate	13:20	4.9	Surface	1.0	0.2	52	18.7	18.7	8.2	8.2	32.5	32.5	91.8	91.8	7.1	7.1	3.5	3.8	10	10	45	46	821456	814148	<0.2	<0.2	0.6	0.6
						1.0	0.2	56	18.7		8.2		32.5		91.8		7.1		3.5		11		45				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	42	18.7	18.7	8.2	8.2	32.5	32.5	91.6	91.6	7.1	7.1	4.1		10		47				<0.2		0.6	
						3.9	0.2	43	18.7		8.2		32.5		91.6		7.1		4.2		9		48				<0.2		0.6	
SR3	Cloudy	Moderate	12:00	9.0	Surface	1.0	0.4	74	18.6	18.6	8.2	8.2	32.2	32.2	92.7	92.7	7.2	7.2	5.0	9.3	9	9	-	-	822140	807576	-	-	-	-
						1.0	0.4	75	18.6		8.2		32.2		92.7		7.2		5.1		10		-				-		-	
					Middle	4.5	0.3	71	18.6	18.6	8.2	8.2	32.5	32.5	92.9	92.9	7.2		8.6		9		-				-		-	
						4.5	0.4	73	18.6		8.2		32.5		92.9		7.2		8.6		10		-				-		-	
					Bottom	8.0	0.3	64	18.6	18.6	8.2	8.2	32.5	32.5	93.3	93.4	7.2	7.2	14.3		7		-				-		-	
						8.0	0.3	70	18.6		8.2		32.5		93.4		7.2		14.1		8		-				-		-	
SR4A	Cloudy	Moderate	13:08	8.6	Surface	1.0	0.3	94	19.3	19.3	8.2	8.2	32.5	32.5	96.1	96.2	7.3	7.3	6.4	7.3	9	10	-	-	817187	807817	-	-	-	-
						1.0	0.3	99	19.3		8.2		32.5		96.2		7.3		6.5		10		-				-		-	
					Middle	4.3	0.2	71	19.3	19.3	8.2	8.2	32.7	32.7	96.6	96.7	7.3		7.3		11		-				-		-	
						4.3	0.2	71	19.3		8.2		32.7		96.7		7.4		7.4		10		-				-		-	
					Bottom	7.6	0.2	58	19.2	19.2	8.2	8.2	32.9	32.9	98.1	98.2	7.5	7.5	8.2		11		-				-		-	
						7.6	0.2	58	19.2		8.2		32.9		98.3		7.5		8.3		11		-				-		-	
SR5A	Cloudy	Moderate	13:24	3.6	Surface	1.0	0.1	114	19.3	19.3	8.2	8.2	33.0	33.0	96.7	96.9	7.3	7.4	7.1	7.2	11	11	-	-	816616	810710	-	-	-	-
						1.0	0.1	123	19.3		8.2		33.0		97.0		7.4		7.1		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	123	19.3	19.3	8.2	8.2	33.0	33.0	97.9	98.0	7.4	7.4	7.3		10		-				-		-	
						2.6	0.1	133	19.3		8.2		33.0		98.1		7.4		7.3		11		-				-		-	
SR6A	Cloudy	Moderate	14:05	4.2	Surface	1.0	0.1	116	19.3	19.3	8.2	8.2	33.1	33.1	94.4	94.5	7.2	7.2	8.2	11.4	14	15	-	-	817984	814733	-	-	-	-
						1.0	0.1	123	19.3		8.2		33.1		94.6		7.2		8.8		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	124	19.2	19.2	8.2	8.2	33.1	33.1	96.0	96.1	7.3	7.3	14.2		16		-				-		-	
						3.2	0.1	133	19.2		8.2		33.1		96.2		7.3		14.2		15		-				-		-	
SR7	Cloudy	Moderate	14:08	16.2	Surface	1.0	0.2	69	18.7	18.7	8.2	8.2	32.9	32.9	85.0	85.0	6.5	6.5	2.7	3.5	9	7	-	-	823657	823729	-	-	-	-
						1.0	0.3	73	18.7		8.2		32.9		85.0		6.5		2.6		8		-				-		-	
					Middle	8.1	0.2	66	18.7	18.7	8.2	8.2	32.9	32.9	85.1	85.2	6.5		3.2		6		-				-		-	
						8.1	0.2	68	18.7		8.2		32.9		85.2		6.5		3.2		6		-				-		-	
					Bottom	15.2	0.2	64	18.6	18.6	8.2	8.2	32.9	32.9	85.8	85.9	6.6	6.6	4.6		5		-				-		-	
						15.2	0.2	67	18.6		8.2		32.9		85.9		6.6		4.6		6		-				-		-	
SR8	Cloudy	Moderate	12:42	4.9	Surface	1.0	-	-	18.7	18.7	8.2	8.2	32.5	32.5	93.1	93.1	7.2	7.2	3.5	3.7	7	8	-	-	820380	811605	-	-	-	-
						1.0	-	-	18.7		8.2		32.5		93.1		7.2		3.5		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	18.7	18.7	8.2	8.2	32.5	32.5	93.2	93.3	7.2	7.2	3.9		9		-				-		-	
						3.9	-	-	18.7		8.2		32.5		93.3		7.2		3.9		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 18 January 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 (ppm)		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	08:14	8.0	Surface	1.0	0.4	50	19.3	19.3	8.2	8.2	32.8	32.8	94.4	94.4	7.2	7.2	14.0	12.7	13	15	47	50	815605	804262	<0.2	<0.2	0.9	0.9
						1.0	0.4	54	19.3		8.2		32.8		94.4		7.2		14.1		14		46				<0.2		0.8	
					Middle	4.0	0.3	50	19.3	19.3	8.2	8.2	32.8	32.8	94.6	94.7	7.2		11.8		15		49				<0.2		0.8	
						4.0	0.3	51	19.3		8.2		32.8		94.7		7.2		12.0		14		49				<0.2		1.0	
					Bottom	7.0	0.3	48	19.2	19.2	8.2	8.2	32.6	32.6	96.8	96.9	7.4	7.4	12.2		16		53				<0.2		0.8	
						7.0	0.3	51	19.2		8.2		32.6		96.9		7.4		12.1		16		54				<0.2		0.8	
C2	Cloudy	Moderate	09:22	11.8	Surface	1.0	0.3	345	18.7	18.7	8.1	8.1	31.5	31.5	91.7	91.7	7.1	7.1	2.4	5.7	5	6	43	46	825693	806967	<0.2	<0.2	0.9	0.9
						1.0	0.3	317	18.7		8.1		31.5		91.6		7.1		2.4		11		44				<0.2		0.9	
					Middle	5.9	0.3	350	18.7	18.7	8.1	8.1	31.5	31.5	91.2	91.2	7.1		2.6		6		46				<0.2		0.8	
						5.9	0.4	359	18.7		8.1		31.5		91.2		7.1		2.7		5		46				<0.2		1.0	
					Bottom	10.8	0.4	10	18.6	18.6	8.2	8.2	31.7	31.7	91.4	91.5	7.1	7.1	12.2		5		49				<0.2		0.9	
						10.8	0.4	10	18.6		8.2		31.7		91.5		7.1		12.1		6		48				<0.2		0.9	
C3	Cloudy	Moderate	07:19	10.7	Surface	1.0	0.4	257	18.7	18.7	8.2	8.2	32.4	32.4	92.2	92.2	7.1	7.1	4.4	6.1	9	9	43	46	822090	817807	<0.2	<0.2	0.8	0.8
						1.0	0.4	262	18.7		8.2		32.4		92.2		7.1		4.4		8		43				<0.2		0.9	
					Middle	5.4	0.4	256	18.7	18.7	8.2	8.2	32.4	32.4	92.3	92.3	7.1		4.9		9		46				<0.2		0.9	
						5.4	0.4	259	18.7		8.2		32.4		92.3		7.1		4.9		8		46				<0.2		0.7	
					Bottom	9.7	0.4	273	18.7	18.7	8.2	8.2	32.6	32.6	93.4	93.5	7.2	7.2	8.9		10		49				<0.2		0.6	
						9.7	0.4	297	18.7		8.2		32.6		93.5		7.2		8.9		9		49				<0.2		0.8	
IM1	Cloudy	Moderate	08:30	5.1	Surface	1.0	0.3	10	19.3	19.3	8.2	8.2	33.0	33.0	95.7	95.8	7.3	7.3	8.4	8.7	14	10	49	50	817959	807141	<0.2	<0.2	0.8	0.8
						1.0	0.3	10	19.3		8.2		33.1		95.8		7.3		8.5		9		47				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	8	19.3	19.3	8.2	8.2	33.1	33.1	97.4	97.7	7.4	7.4	8.9		8		51				<0.2		0.9	
						4.1	0.2	8	19.2		8.2		33.1		97.9		7.4		9.0		9		52				<0.2		0.8	
IM2	Cloudy	Moderate	08:35	6.2	Surface	1.0	0.3	358	19.3	19.3	8.2	8.2	32.9	32.9	94.6	94.6	7.2	7.2	9.9	11.1	7	8	44	48	818178	806169	<0.2	<0.2	0.8	0.8
						1.0	0.3	329	19.3		8.2		32.9		94.6		7.2		9.9		8		45				<0.2		0.9	
					Middle	3.1	0.3	359	19.3	19.3	8.2	8.2	32.9	32.9	95.1	95.2	7.2		10.9		9		49				<0.2		0.9	
						3.1	0.3	330	19.3		8.2		32.9		95.2		7.2		11.0		8		49				<0.2		0.7	
					Bottom	5.2	0.2	355	19.2	19.2	8.2	8.2	33.0	33.0	97.0	97.1	7.4	7.4	12.2		9		52				<0.2		0.8	
						5.2	0.2	327	19.2		8.2		33.0		97.1		7.4		12.4		8		51				<0.2		0.8	
IM3	Cloudy	Moderate	08:43	6.4	Surface	1.0	0.3	351	19.3	19.3	8.2	8.2	32.7	32.7	93.5	93.5	7.1	7.1	12.6	14.6	11	12	43	46	818779	805600	<0.2	<0.2	0.8	0.8
						1.0	0.3	323	19.3		8.2		32.7		93.5		7.1		12.1		12		43				<0.2		0.8	
					Middle	3.2	0.3	342	19.3	19.3	8.2	8.2	32.8	32.8	93.4	93.4	7.1		15.0		12		45				<0.2		0.8	
						3.2	0.3	315	19.3		8.2		32.8		93.4		7.1		15.1		13		45				<0.2		0.7	
					Bottom	5.4	0.3	340	19.3	19.3	8.2	8.2	32.8	32.8	93.3	93.3	7.1	7.1	17.0		13		49				<0.2		0.7	
						5.4	0.3	355	19.3		8.2		32.8		93.3		7.1		16.1		12		49				<0.2		0.7	
IM4	Cloudy	Moderate	08:51	7.8	Surface	1.0	0.5	350	19.3	19.3	8.2	8.2	32.6	32.6	92.9	93.0	7.1	7.1	12.5	14.3	16	15	45	47	819744	804619	<0.2	<0.2	0.8	0.8
						1.0	0.6	322	19.3		8.2		32.6		93.0		7.1		12.9		17		43				<0.2		0.8	
					Middle	3.9	0.5	347	19.3	19.3	8.2	8.2	32.6	32.6	93.4	93.5	7.1		14.7		15		46				<0.2		0.7	
						3.9	0.5	319	19.3		8.2		32.6		93.5		7.1		14.9		14		47				<0.2		0.8	
					Bottom	6.8	0.4	339	19.2	19.2	8.2	8.2	32.7	32.7	95.9	96.0	7.3	7.3	15.5		14		49				<0.2		0.8	
						6.8	0.4	355	19.2		8.2		32.7		96.1		7.3		15.5		15		50				<0.2		0.9	
IM5	Cloudy	Moderate	08:57	8.1	Surface	1.0	0.7	12	19.3	19.3	8.2	8.2	32.8	32.8	93.5	93.5	7.1	7.1	9.0	9.9	15	13	47	50	820745	804884	<0.2	<0.2	0.8	0.8
						1.0	0.8	12	19.3		8.2		32.8		93.5		7.1		9.2		14		47				<0.2		0.8	
					Middle	4.1	0.7	9	19.3	19.3	8.2	8.2	32.8	32.8	93.9	93.9	7.1		9.9		14		49				<0.2		0.9	
						4.1	0.7	9	19.3		8.2		32.8		93.9		7.1		10.1		15		49				<0.2		0.8	
					Bottom	7.1	0.5	17	19.3	19.3	8.2	8.2	32.8	32.8	95.6	95.8	7.3	7.3	10.6		11		54				<0.2		0.7	
						7.1	0.6	17	19.3		8.2		32.8		95.9		7.3		10.5		10		55				<0.2		0.9	
IM6	Cloudy	Moderate	09:04	6.9	Surface	1.0	0.2	56	19.4	19.4	8.2	8.2	33.0	33.0	94.6	94.7	7.2	7.2	9.3	10.1	10	11	47	49	821079	805831	<0.2	<0.2	0.9	0.9
						1.0	0.2	58	19.3		8.2		33.0		94.7		7.2		9.5		10		47				<0.2		1.0	
					Middle	3.5	0.2	54	19.3	19.3	8.2	8.2	33.0	33.0	95.6	95.7	7.2		10.3		10		50				<0.2		0.8	
						3.5	0.2	58	19.3		8.2		33.0		95.8		7.3		10.3		11		50				<0.2		0.9	
					Bottom	5.9	0.2	56	19.3	19.3	8.2	8.2	33.1	33.1	96.8	96.9	7.3	7.3	10.8		11		51				<0.2		0.9	
						5.9	0.2	60	19.3		8.2		33.1		96.9		7.3		10.7		11		51				<0.2		0.8	
IM7	Cloudy	Moderate	09:12	8.0	Surface	1.0	0.1	141	19.3	19.3	8.1	8.1	32.1	32.1	92.2	92.2	7.0	7.1	6.2	8.0	12	11	44	49	821340	806837	<0.2	<0.2	0.8	1.1
						1.0	0.1	147	19.3		8.1		32.1		92.2		7.0		6.4		11		47				<0.2		0.8	
					Middle	4.0	0.1	108	19.3	19.3	8.1	8.1	32.1	32.1	92.6	92.7	7.1		7.7		12		48				<0.2		1.2	
						4.0	0.1	110	19.3		8.1		32.1		92.7		7.1		8.2		11		49				<0.2		1.3	
					Bottom	7.0	0.1	99	19.2	19.2	8.1	8.1	32.1	32.1	94.3	94.4	7.2	7.2	9.7		11		52				<0.2		1.2	
						7.0	0.1	105	19.2		8.1		32.1		94.5		7.2		9.8		11		53				<0.2		1.1	
IM8	Cloudy	Moderate	08:55	7.3	Surface	1.0	0.0	182	18.6	18.6	8.2	8.2	32.0	32.0	91.3	91.4	7.1	7.1	4.0	3.9	8	7	43	46	821846	808155	<0.2	<0.2	1.1	1.1
						1.0	0.0	182	18.6		8.2		32.0		91.4		7.1		4.0		7		43				<0.2		1.1	
					Middle	3.7	0.0	87	18.6	18.6	8.2	8.2	32.0	32.0	91.5	91.5	7.1		3.9		7		46				<0.2		1.2	
						3.7	0.0	92	18.6		8.2		32.0		91.5		7.1		3.8		6		46				<0.2		1.1	
					Bottom	6.3	0.0	248	18.5	18.5	8.2	8.2	32.0	32.0	92.1	92.2	7.1	7.1	3.7		7		48				<0.2		1.0	
						6.3	0.0	262	18.5		8.2		32.0		92.2		7.1		3.7		6		49				<0.2		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 18 January 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 (ppm)		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
IM9	Cloudy	Moderate	08:50	6.8	Surface	1.0	0.3	236	18.6	18.6	8.2	8.2	32.1	32.1	91.5	91.5	7.1	7.1	5.3	6.4	11	11	44	46	822087	808799	<0.2	<0.2	0.8	0.9
						1.0	0.3	247	18.6		8.2		32.1		91.5		7.1		5.3		12		43				<0.2		0.7	
					Middle	3.4	0.3	235	18.6	18.6	8.2	8.2	32.1	32.1	91.6	91.6	7.1		6.3		11		46				<0.2		0.9	
						3.4	0.3	235	18.6		8.2		32.1		91.6		7.1		6.4		12		45				<0.2		0.9	
					Bottom	5.8	0.2	242	18.6	18.6	8.2	8.2	32.1	32.1	92.1	92.2	7.1	7.1	7.5		10		48				<0.2		0.9	
						5.8	0.2	263	18.6		8.2		32.1		92.2		7.1		7.6		11		49				<0.2		1.0	
IM10	Cloudy	Moderate	08:43	7.4	Surface	1.0	0.5	301	18.6	18.6	8.2	8.2	32.3	32.3	92.2	92.2	7.1	7.1	7.7	8.7	12	12	43	46	822380	809789	<0.2	<0.2	0.8	0.8
						1.0	0.5	320	18.6		8.2		32.3		92.2		7.1		7.7		13		44				<0.2		0.8	
					Middle	3.7	0.5	288	18.6	18.6	8.2	8.2	32.3	32.3	92.2	92.2	7.1		8.6		11		46				<0.2		0.8	
						3.7	0.5	310	18.6		8.2		32.3		92.2		7.1		8.5		12		45				<0.2		0.8	
					Bottom	6.4	0.5	295	18.6	18.6	8.2	8.2	32.3	32.3	92.6	92.7	7.2	7.2	9.7		11		48				<0.2		0.7	
						6.4	0.5	303	18.6		8.2		32.3		92.7		7.2		9.8		12		48				<0.2		0.8	
IM11	Cloudy	Moderate	08:33	7.6	Surface	1.0	0.6	277	18.6	18.6	8.2	8.2	32.4	32.4	93.1	93.1	7.2	7.2	5.9	6.8	10	10	43	46	822033	811448	<0.2	<0.2	0.7	0.8
						1.0	0.7	280	18.6		8.2		32.4		93.1		7.2		5.9		9		44				<0.2		0.8	
					Middle	3.8	0.6	282	18.7	18.7	8.2	8.2	32.5	32.5	93.1	93.1	7.2		6.6		10		45				<0.2		0.8	
						3.8	0.6	286	18.7		8.2		32.5		93.1		7.2		6.7		9		46				<0.2		0.7	
					Bottom	6.6	0.5	286	18.7	18.7	8.2	8.2	32.7	32.7	93.3	93.4	7.2	7.2	7.9		11		48				<0.2		0.7	
						6.6	0.5	310	18.7		8.2		32.7		93.4		7.2		7.9		10		48				<0.2		0.8	
IM12	Cloudy	Moderate	08:27	8.5	Surface	1.0	0.6	291	18.7	18.7	8.2	8.2	32.6	32.6	93.0	93.0	7.2	7.2	7.7	8.8	12	12	43	46	821452	812029	<0.2	<0.2	0.7	0.7
						1.0	0.6	297	18.7		8.2		32.6		93.0		7.2		7.8		12		43				<0.2		0.7	
					Middle	4.3	0.5	290	18.7	18.7	8.2	8.2	32.6	32.6	93.0	93.0	7.2		7.9		12		46				<0.2		0.7	
						4.3	0.6	304	18.7		8.2		32.6		93.0		7.2		7.9		11		45				<0.2		0.7	
					Bottom	7.5	0.5	292	18.7	18.7	8.2	8.2	32.6	32.6	93.4	93.4	7.2	7.2	10.8		11		48				<0.2		0.6	
						7.5	0.5	317	18.7		8.2		32.6		93.4		7.2		10.6		12		48				<0.2		0.7	
SR1A	Cloudy	Moderate	07:53	4.6	Surface	1.0	-	-	18.5	18.5	8.2	8.2	32.6	32.6	89.4	89.4	6.9	6.9	2.2	3.1	5	5	-	-	819979	812659	-	-	-	-
						1.0	-	-	18.5		8.2		32.6		89.4		6.9		2.3		6		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	18.6	18.6	8.2	8.2	32.6	32.6	91.8	91.9	7.1	7.1	3.9		4		-				-		-	
						3.6	-	-	18.6		8.2		32.6		92.0		7.1		3.9		5		-				-		-	
SR2	Cloudy	Moderate	07:38	4.1	Surface	1.0	0.1	25	18.6	18.6	8.2	8.2	32.6	32.6	93.2	93.3	7.2	7.2	7.5	10.1	12	12	44	46	821469	814181	<0.2	<0.2	0.7	0.7
						1.0	0.1	25	18.6		8.2		32.6		93.3		7.2		7.5		13		44				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	31	18.7	18.7	8.2	8.2	32.6	32.6	93.9	94.0	7.2	7.2	12.6		12		47				<0.2		0.7	
						3.1	0.1	31	18.7		8.2		32.6		94.0		7.2		12.7		12		47				<0.2		0.7	
SR3	Cloudy	Moderate	09:01	8.7	Surface	1.0	0.1	350	18.6	18.6	8.2	8.2	31.8	31.8	91.2	91.2	7.1	7.1	4.2	4.0	7	7	-	-	822157	807552	-	-	-	-
						1.0	0.1	354	18.6		8.2		31.8		91.2		7.1		4.2		6		-				-		-	
					Middle	4.4	0.1	321	18.6	18.6	8.2	8.2	31.8	31.8	91.1	91.1	7.1		3.9		8		-				-		-	
						4.4	0.1	351	18.6		8.2		31.8		91.1		7.1		3.8		7		-				-		-	
					Bottom	7.7	0.1	336	18.6	18.6	8.2	8.2	31.8	31.8	91.6	91.7	7.1	7.1	3.8		7		-				-		-	
						7.7	0.1	309	18.6		8.2		31.8		91.7		7.1		3.8		8		-				-		-	
SR4A	Cloudy	Moderate	07:56	8.7	Surface	1.0	0.1	321	19.4	19.4	8.2	8.2	33.0	33.0	93.5	93.5	7.1	7.1	7.8	6.9	15	15	-	-	817207	807830	-	-	-	-
						1.0	0.1	335	19.4		8.2		33.0		93.5		7.1		7.8		14		-				-		-	
					Middle	4.4	0.1	324	19.4	19.4	8.2	8.2	33.0	33.0	93.9	94.0	7.1		6.4		15		-				-		-	
						4.4	0.1	347	19.4		8.2		33.0		94.0		7.1		6.5		15		-				-		-	
					Bottom	7.7	0.1	258	19.4	19.4	8.2	8.2	33.1	33.1	94.7	94.8	7.2	7.2	6.5		15		-				-		-	
						7.7	0.1	259	19.4		8.2		33.1		94.8		7.2		6.5		15		-				-		-	
SR5A	Cloudy	Calm	07:41	4.5	Surface	1.0	0.2	292	19.3	19.3	8.2	8.2	33.1	33.1	94.7	94.7	7.2	7.2	4.7	4.8	14	14	-	-	816574	810682	-	-	-	-
						1.0	0.2	298	19.3		8.2		33.1		94.7		7.2		4.7		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	286	19.3	19.3	8.2	8.2	33.1	33.1	95.4	95.4	7.2	7.2	4.9		13		-				-		-	
						3.5	0.1	311	19.3		8.2		33.1		95.4		7.2		4.9		13		-				-		-	
SR6A	Cloudy	Calm	07:13	3.7	Surface	1.0	0.1	281	19.2	19.2	8.0	8.0	33.1	33.1	90.9	91.0	6.9	6.9	4.2	9.6	13	13	-	-	817978	814762	-	-	-	-
						1.0	0.1	300	19.2		8.0		33.1		91.1		6.9		4.1		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	280	19.1	19.1	8.0	8.0	33.1	33.1	92.4	92.5	7.0	7.0	15.0		12		-				-		-	
						2.7	0.1	307	19.1		8.0		33.1		92.6		7.0		15.1		13		-				-		-	
SR7	Cloudy	Moderate	06:52	15.6	Surface	1.0	0.3	45	18.7	18.7	8.1	8.1	32.7	32.7	88.9	88.9	6.8	6.8	3.6	6.5	7	7	-	-	823615	823748	-	-	-	-
						1.0	0.3	45	18.7		8.1		32.7		88.9		6.8		3.6		7		-				-		-	
					Middle	7.8	0.3	43	18.7	18.7	8.1	8.1	32.7	32.7	88.5	88.5	6.8		4.6		8		-				-		-	
						7.8	0.3	45	18.7		8.1		32.7		88.5		6.8		4.6		7		-				-		-	
					Bottom	14.6	0.3	37	18.7	18.7	8.1	8.1	32.7	32.7	88.3	88.3	6.8	6.8	11.4		7		-				-		-	
						14.6	0.3	37	18.7		8.1		32.7		88.3		6.8		11.4		8		-				-		-	
SR8	Cloudy	Moderate	08:19	4.5	Surface	1.0	-	-	18.7	18.7	8.2	8.2	32.2	32.2	92.6	92.6	7.1	7.1	4.6	5.0	12	12	-	-	820400	811629	-	-	-	-
						1.0	-	-	18.7		8.2		32.2		92.6		7.1		4.6		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	18.6	18.6	8.2	8.2	32.3	32.3	93.3	93.4	7.2	7.2	5.3		10		-				-		-	
						3.5	-	-	18.6		8.2		32.3		93.4		7.2		5.3		11		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 January 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 (ppm)		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	13:53	8.0	Surface	1.0	0.0	348	18.9	18.9	8.2	8.2	32.8	32.8	105.1	105.1	8.0	8.0	6.2	7.8	9	8	84	87	815596	804254	<0.2	<0.2	0.9	0.8
						1.0	0.0	320	18.9		8.2		32.8		105.0		8.0		6.3		10		84				<0.2		0.8	
					Middle	4.0	0.1	323	18.7	18.7	8.2	8.2	33.4	33.5	104.0	104.1	8.0		8.5		7		87				<0.2		0.9	
						4.0	0.1	352	18.7		8.2		33.5		104.2		8.0		8.4		8		87				<0.2		0.8	
					Bottom	7.0	0.0	7	18.7	18.7	8.2	8.2	33.6	33.6	104.8	104.9	8.0	8.0	8.5		5		91				<0.2		0.9	
						7.0	0.0	7	18.7		8.2		33.6		105.0		8.0		8.6		6		91				<0.2		0.7	
C2	Cloudy	Moderate	12:53	12.0	Surface	1.0	0.2	133	18.4	18.4	8.2	8.2	32.0	32.0	94.9	94.9	7.4	7.4	5.0	5.3	11	11	44	48	825682	806923	<0.2	<0.2	0.9	0.9
						1.0	0.2	144	18.4		8.2		32.0		94.8		7.4		5.1		12		44				<0.2		0.9	
					Middle	6.0	0.1	141	18.3	18.3	8.2	8.2	32.0	32.0	94.6	94.6	7.4		5.3		11		48				<0.2		0.9	
						6.0	0.1	142	18.3		8.2		32.0		94.6		7.4		5.4		12		48				<0.2		0.9	
					Bottom	11.0	0.1	135	18.3	18.3	8.2	8.2	32.0	32.0	95.1	95.2	7.4	7.4	5.7		10		52				<0.2		0.9	
						11.0	0.1	143	18.3		8.2		32.0		95.2		7.4		5.5		11		53				<0.2		0.9	
C3	Cloudy	Moderate	14:32	11.4	Surface	1.0	0.2	27	18.8	18.8	8.2	8.2	32.6	32.6	90.4	90.4	6.9	7.0	1.9	2.5	7	8	45	49	822090	817818	<0.2	<0.2	0.8	0.9
						1.0	0.2	28	18.8		8.2		32.6		90.4		6.9		1.9		6		46				<0.2		0.9	
					Middle	5.7	0.1	45	18.6	18.6	8.2	8.2	32.7	32.7	90.3	90.4	7.0		2.7		9		49				<0.2		0.9	
						5.7	0.1	46	18.6		8.2		32.7		90.4		7.0		2.7		8		50				<0.2		0.9	
					Bottom	10.4	0.2	51	18.7	18.7	8.2	8.2	32.6	32.6	91.2	91.3	7.0	7.0	3.0		9		51				<0.2		0.9	
						10.4	0.2	51	18.7		8.2		32.6		91.3		7.0		3.0		8		52				<0.2		0.8	
IM1	Misty	Moderate	13:33	4.6	Surface	1.0	0.1	187	19.2	19.2	8.1	8.1	32.8	32.8	104.3	104.3	7.9	7.9	4.1	4.9	9	9	82	87	817966	807136	<0.2	<0.2	0.9	0.9
						1.0	0.1	193	19.2		8.1		32.8		104.3		7.9		4.2		10		82				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	221	19.3	19.4	8.1	8.1	32.6	32.6	105.9	106.1	8.0	8.1	5.6		8		91				<0.2		0.9	
						3.6	0.1	227	19.4		8.1		32.5		106.2		8.1		5.5		7		92				<0.2		1.0	
IM2	Misty	Moderate	13:27	6.6	Surface	1.0	0.1	108	19.1	19.1	8.2	8.2	32.8	32.8	103.9	103.9	7.9	8.0	7.7	8.5	8	11	46	76	818155	806143	<0.2	<0.2	1.0	0.9
						1.0	0.1	110	19.1		8.2		32.8		103.8		7.9		7.8		8		46				<0.2		0.9	
					Middle	3.3	0.0	72	18.9	18.9	8.2	8.2	32.8	32.8	104.1	104.3	8.0		8.7		13		90				<0.2		0.8	
						3.3	0.0	72	18.9		8.2		32.8		104.5		8.0		8.8		12		87				<0.2		0.8	
					Bottom	5.6	0.0	104	18.6	18.6	8.2	8.2	33.0	33.0	106.3	106.4	8.2	8.2	9.1		12		91				<0.2		0.9	
						5.6	0.0	112	18.6		8.2		33.0		106.5		8.2		9.1		13		93				<0.2		0.9	
IM3	Misty	Moderate	13:21	7.0	Surface	1.0	0.1	19	19.0	19.0	8.2	8.2	32.9	32.9	104.2	104.2	8.0	8.0	6.1	7.2	9	9	82	87	818780	805591	<0.2	<0.2	0.7	0.8
						1.0	0.1	20	19.0		8.2		32.9		104.1		8.0		6.0		10		82				<0.2		0.8	
					Middle	3.5	0.1	46	18.9	18.9	8.2	8.2	32.9	32.9	103.5	103.5	7.9		7.1		8		87				<0.2		0.9	
						3.5	0.1	48	18.9		8.2		32.9		103.5		7.9		7.1		9		92				<0.2		0.9	
					Bottom	6.0	0.1	3	18.9	18.9	8.2	8.2	32.9	32.9	104.0	104.1	8.0	8.0	8.3		8		90				<0.2		0.8	
						6.0	0.1	3	18.9		8.2		32.9		104.2		8.0		8.3		7		90				<0.2		0.8	
IM4	Misty	Moderate	13:13	8.6	Surface	1.0	0.1	63	18.9	18.9	8.2	8.2	32.8	32.8	103.4	103.4	7.9	7.9	7.4	8.7	10	10	83	89	819744	804597	<0.2	<0.2	0.9	0.9
						1.0	0.1	63	18.9		8.2		32.8		103.3		7.9		7.5		11		83				<0.2		0.9	
					Middle	4.3	0.0	353	18.8	18.8	8.2	8.2	32.8	32.8	103.1	103.2	7.9		8.6		10		90				<0.2		0.8	
						4.3	0.0	325	18.8		8.2		32.8		103.2		7.9		8.5		11		90				<0.2		0.9	
					Bottom	7.6	0.1	334	18.8	18.8	8.2	8.2	32.9	32.9	104.0	104.1	8.0	8.0	10.0		9		95				<0.2		1.0	
						7.6	0.1	349	18.8		8.2		32.9		104.2		8.0		9.9		10		95				<0.2		0.8	
IM5	Misty	Moderate	13:05	8.2	Surface	1.0	0.2	341	18.9	18.9	8.2	8.2	32.6	32.6	101.9	101.9	7.8	7.8	7.7	8.5	10	12	44	74	820726	804869	<0.2	<0.2	0.8	0.8
						1.0	0.2	314	18.9		8.2		32.6		101.8		7.8		7.6		9		44				<0.2		0.8	
					Middle	4.1	0.2	354	18.8	18.8	8.2	8.2	32.6	32.7	101.9	102.0	7.8		8.7		10		87				<0.2		0.7	
						4.1	0.3	326	18.8		8.2		32.7		102.0		7.8		8.6		11		87				<0.2		0.9	
					Bottom	7.2	0.2	351	18.8	18.8	8.2	8.2	32.7	32.7	103.4	103.5	7.9	7.9	9.1		15		90				<0.2		0.7	
						7.2	0.2	357	18.8		8.2		32.7		103.5		7.9		9.1		15		90				<0.2		0.8	
IM6	Misty	Moderate	12:59	7.4	Surface	1.0	0.1	255	19.1	19.1	8.2	8.2	32.8	32.8	102.2	102.2	7.8	7.8	2.6	3.5	6	6	46	75	821041	805813	<0.2	<0.2	0.8	0.8
						1.0	0.1	273	19.0		8.2		32.8		102.2		7.8		2.6		7		46				<0.2		0.8	
					Middle	3.7	0.2	263	19.0	19.0	8.2	8.2	32.8	32.8	102.3	102.4	7.8		3.4		5		89				<0.2		0.8	
						3.7	0.2	263	19.0		8.2		32.8		102.5		7.8		3.3		6		88				<0.2		0.8	
					Bottom	6.4	0.1	224	18.9	18.9	8.2	8.2	32.8	32.8	103.2	103.3	7.9	7.9	4.6		5		91				<0.2		0.8	
						6.4	0.1	231	18.9		8.2		32.8		103.4		7.9		4.6		6		91				<0.2		0.7	
IM7	Misty	Moderate	12:53	8.4	Surface	1.0	0.2	137	19.0	19.0	8.2	8.2	32.8	32.8	102.9	102.9	7.9	7.9	2.7	3.8	8	7	44	74	821326	806845	<0.2	<0.2	0.9	0.8
						1.0	0.2	139	19.0		8.2		32.8		102.9		7.9		2.8		7		44				<0.2		0.9	
					Middle	4.2	0.1	134	19.0	19.0	8.2	8.3	32.8	32.8	102.7	102.7	7.8		3.8		8		87				<0.2		0.8	
						4.2	0.1	136	19.0		8.3		32.8		102.7		7.8		3.8		7		87				<0.2		0.8	
					Bottom	7.4	0.1	184	19.0	19.0	8.3	8.3	32.9	32.9	102.0	102.0	7.8	7.8	4.7		5		90				<0.2		0.7	
						7.4	0.1	199	19.0		8.3		32.9		102.0		7.8		4.7		6		90				<0.2		0.7	
IM8	Cloudy	Moderate	13:16	7.6	Surface	1.0	0.2	19	18.4	18.4	8.2	8.2	31.9	31.9	95.0	95.0	7.4	7.4	5.3	5.2	10	10	44	48	821840	808156	<0.2	<0.2	0.8	0.8
						1.0	0.2	20	18.4		8.2		31.9		95.0		7.4		5.3		11		46				<0.2		0.8	
					Middle	3.8	0.1	24	18.3	18.3	8.2	8.2	31.9	31.9	95.4	95.4	7.4		5.2		9		48				<0.2		0.9	
						3.8	0.2	24	18.3		8.2		31.9		95.4		7.4		5.3		10		48				<0.2		0.8	
					Bottom	6.6	0.1	59	18.3	18.3	8.2	8.2	31.9	31.9	97.6	97.7	7.6	7.6	5.1		10		51				<0.2		0.9	
						6.6	0.1	60	18.3		8.2		31.9		97.8		7.6		5.0		9		52				<0.2		0.8	

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 20 January 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 (ppm)		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
IM9	Cloudy	Moderate	13:21	7.6	Surface	1.0	11.0	26	18.5	18.5	8.2	8.2	31.9	31.9	94.3	94.4	7.3	7.4	4.7	4.6	9	7	44	46	822105	808802	<0.2	<0.2	0.7	0.8
						1.0	11.4	26	18.5		8.2		31.9		94.4		7.3		4.7		8		44				<0.2		0.8	
					Middle	3.8	0.1	61	18.4	18.4	8.2	8.2	31.9	31.9	95.8	95.9	7.4		4.5		8		46				<0.2		0.7	
						3.8	0.1	64	18.4		8.2		31.9		96.0		7.4		4.5		9		47				<0.2		0.8	
					Bottom	6.6	0.1	92	18.6	18.6	8.2	8.2	31.7	31.7	97.0	97.2	7.5	7.5	4.4		4		48				<0.2		0.8	
						6.6	0.1	98	18.6		8.2		31.7		97.3		7.5		4.5		3		49				<0.2		0.9	
IM10	Cloudy	Moderate	13:26	7.8	Surface	1.0	0.1	25	18.6	18.6	8.2	8.2	31.9	31.9	93.9	93.9	7.3	7.3	3.5	3.4	7	9	45	48	822374	809816	<0.2	<0.2	0.7	0.8
						1.0	0.2	26	18.6		8.2		31.9		93.9		7.3		3.4		8		46				<0.2		0.8	
					Middle	3.9	0.1	52	18.4	18.4	8.2	8.2	31.9	31.9	93.9	94.0	7.3		3.3		9		47				<0.2		0.8	
						3.9	0.1	56	18.4		8.2		31.9		94.0		7.3		3.3		8		49				<0.2		0.9	
					Bottom	6.8	0.1	61	18.4	18.4	8.2	8.2	32.0	32.0	95.3	95.4	7.4	7.4	3.4		10		51				<0.2		1.0	
						6.8	0.1	61	18.4		8.2		32.0		95.5		7.4		3.4		11		52				<0.2		0.8	
IM11	Cloudy	Moderate	13:34	8.2	Surface	1.0	0.2	33	18.6	18.6	8.2	8.2	32.1	32.1	95.0	95.0	7.3	7.4	3.9	4.1	6	7	44	49	822045	811445	<0.2	<0.2	0.7	0.8
						1.0	0.2	33	18.6		8.2		32.1		95.0		7.3		3.9		7		47				<0.2		0.9	
					Middle	4.1	0.1	16	18.5	18.5	8.2	8.2	32.1	32.1	95.4	95.5	7.4		4.2		6		49				<0.2		0.7	
						4.1	0.1	17	18.5		8.2		32.1		95.6		7.4		4.2		7		48				<0.2		0.7	
					Bottom	7.2	0.1	50	18.5	18.5	8.2	8.2	32.1	32.1	97.5	97.6	7.6	7.6	4.2		8		52				<0.2		0.8	
						7.2	0.1	51	18.5		8.2		32.1		97.7		7.6		4.2		9		52				<0.2		0.8	
IM12	Cloudy	Moderate	13:39	9.1	Surface	1.0	0.1	37	18.6	18.6	8.2	8.2	32.1	32.1	93.5	93.5	7.2	7.2	3.3	4.2	9	9	44	47	821442	812056	<0.2	<0.2	0.8	0.8
						1.0	0.1	38	18.6		8.2		32.1		93.4		7.2		3.4		8		45				<0.2		0.8	
					Middle	4.6	0.1	37	18.5	18.5	8.2	8.2	32.1	32.1	93.2	93.2	7.2		4.3		9		47				<0.2		0.8	
						4.6	0.1	39	18.5		8.2		32.1		93.2		7.2		4.4		8		47				<0.2		0.9	
					Bottom	8.1	0.1	46	18.5	18.5	8.2	8.2	32.1	32.1	94.1	94.2	7.3	7.3	4.9		10		48				<0.2		0.8	
						8.1	0.1	47	18.5		8.2		32.1		94.2		7.3		5.0		9		49				<0.2		0.9	
SR1A	Cloudy	Moderate	14:03	5.1	Surface	1.0	-	-	18.5	18.5	8.2	8.2	32.2	32.2	98.3	98.4	7.6	7.6	2.9	2.7	4	6	-	-	819979	812657	-	-	-	-
						1.0	-	-	18.5		8.2		32.2		98.4		7.6		2.9		5		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	18.5	18.5	8.3	8.3	32.2	32.2	99.8	100.0	7.7	7.8	2.4		6		-				-		-	
						4.1	-	-	18.5		8.3		32.2		100.1		7.8		2.4		7		-				-		-	
SR2	Cloudy	Moderate	14:14	4.6	Surface	1.0	0.1	16	18.5	18.5	8.2	8.2	32.2	32.2	96.6	96.7	7.5	7.5	3.4	3.4	7	8	46	48	821481	814162	<0.2	<0.2	0.9	0.9
						1.0	0.1	17	18.5		8.2		32.2		96.8		7.5		3.5		8		47				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	38	18.8	18.9	8.3	8.3	32.0	32.0	98.1	98.3	7.5	7.6	3.2		7		48				<0.2		0.8	
						3.6	0.1	38	18.9		8.3		31.9		98.4		7.6		3.3		8		49				<0.2		0.9	
SR3	Cloudy	Moderate	13:12	8.7	Surface	1.0	0.2	128	18.5	18.5	8.2	8.2	31.9	31.9	94.7	94.7	7.3	7.4	4.5	7.1	9	8	-	-	822159	807589	-	-	-	-
						1.0	0.2	130	18.5		8.2		31.9		94.7		7.3		4.6		8		-				-		-	
					Middle	4.4	0.1	147	18.5	18.5	8.2	8.2	31.9	31.9	95.2	95.3	7.4		6.6		7		-				-		-	
						4.4	0.1	159	18.5		8.2		31.9		95.3		7.4		7.1		7		-				-		-	
					Bottom	7.7	0.1	111	18.5	18.5	8.2	8.2	31.9	31.9	97.4	97.5	7.6	7.6	9.7		7		-				-		-	
						7.7	0.1	116	18.5		8.2		31.9		97.6		7.6		9.9		7		-				-		-	
SR4A	Misty	Moderate	14:13	8.4	Surface	1.0	0.4	65	19.2	19.2	8.1	8.1	32.8	32.8	104.4	104.4	8.0	8.0	3.6	4.6	8	7	-	-	817176	807801	-	-	-	-
						1.0	0.4	65	19.1		8.1		32.8		104.4		8.0		3.5		7		-				-		-	
					Middle	4.2	0.3	73	19.1	19.1	8.1	8.1	32.8	32.8	104.9	105.1	8.0		4.6		8		-				-		-	
						4.2	0.3	79	19.1		8.1		32.7		105.2		8.0		4.6		7		-				-		-	
					Bottom	7.4	0.3	79	18.9	18.9	8.1	8.1	32.9	33.0	106.4	106.6	8.1	8.2	5.6		5		-				-		-	
						7.4	0.3	83	18.9		8.1		33.0		106.7		8.2		5.8		6		-				-		-	
SR5A	Misty	Moderate	14:28	3.2	Surface	1.0	0.0	13	19.7	19.7	8.1	8.1	33.1	33.1	105.5	105.6	8.0	8.0	7.1	7.6	7	8	-	-	816613	810681	-	-	-	-
						1.0	0.0	13	19.7		8.1		33.1		105.6		8.0		7.2		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.1	351	19.5	19.5	8.2	8.2	33.1	33.1	105.5	105.6	8.0	8.0	8.0		8		-				-		-	
						2.2	0.1	354	19.5		8.2		33.0		105.7		8.0		8.1		8		-				-		-	
SR6A	Misty	Moderate	15:15	4.4	Surface	1.0	0.1	134	19.7	19.7	8.1	8.1	33.0	33.0	105.3	105.3	7.9	7.9	5.0	5.9	6	7	-	-	817985	814737	-	-	-	-
						1.0	0.1	134	19.7		8.1		33.0		105.3		7.9		5.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	41	19.7	19.7	8.1	8.1	32.6	32.7	105.4	105.4	7.9	8.0	6.9		8		-				-		-	
						3.4	0.0	42	19.7		8.1		32.7		105.4		8.0		6.8		7		-				-		-	
SR7	Cloudy	Moderate	14:57	16.2	Surface	1.0	0.2	29	18.6	18.6	8.2	8.2	32.6	32.6	88.1	88.1	6.8	6.8	2.2	2.8	6	5	-	-	823639	823723	-	-	-	-
						1.0	0.2	29	18.6		8.2		32.6		88.0		6.8		2.2		5		-				-		-	
					Middle	8.1	0.2	52	18.5	18.5	8.2	8.2	32.7	32.7	87.6	87.6	6.8		3.1		4		-				-		-	
						8.1	0.2	52	18.5		8.2		32.7		87.5		6.8		3.1		5		-				-		-	
					Bottom	15.2	0.1	67	18.5	18.5	8.2	8.2	32.7	32.7	87.9	88.0	6.8	6.8	3.2		4		-				-		-	
						15.2	0.1	72	18.5		8.2		32.7		88.1		6.8		3.2		5		-				-		-	
SR8	Cloudy	Moderate	13:45	4.1	Surface	1.0	-	-	18.6	18.6	8.3	8.3	32.0	32.0	98.8	98.8	7.6	7.6	2.8	2.9	8	8	-	-	820374	811600	-	-	-	-
						1.0	-	-	18.6		8.3		32.0		98.8		7.6		2.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	18.9	19.0	8.3	8.3	31.7	31.7	99.3	99.4	7.6	7.6	2.9		7		-				-		-	
						3.1	-	-	19.0		8.3		31.6		99.5		7.6		2.9		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 20 January 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 (ppm)		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	09:44	7.6	Surface	1.0	0.4	53	18.7	18.7	8.1	8.1	32.9	32.9	103.1	103.1	7.9	7.9	5.4	6.3	20	23	78	85	815622	804263	<0.2	<0.2	0.7	0.8
						1.0	0.4	53	18.7		8.1		32.9		103.1		7.9		5.4		21		78				<0.2		0.7	
					Middle	3.8	0.5	47	18.7	18.7	8.1	8.1	32.9	32.9	103.3	103.3	7.9		6.4		21		86				<0.2		0.8	
						3.8	0.5	48	18.7		8.1		32.9		103.3		7.9		6.4		22		86				<0.2		0.7	
					Bottom	6.6	0.3	45	18.7	18.7	8.1	8.1	32.9	32.9	104.6	104.8	8.0	8.0	7.0		26		89				<0.2		0.8	
						6.6	0.4	48	18.7		8.1		32.9		104.9		8.0		7.1		27		90				<0.2		0.8	
C2	Cloudy	Moderate	10:40	11.8	Surface	1.0	0.3	10	18.5	18.5	8.2	8.2	31.7	31.7	92.1	92.1	7.2	7.2	2.7	4.6	16	13	45	48	825668	806948	<0.2	<0.2	0.9	0.9
						1.0	0.3	10	18.5		8.2		31.7		92.1		7.2		2.9		15		44				<0.2		0.9	
					Middle	5.9	0.3	13	18.4	18.4	8.2	8.2	31.8	31.8	92.2	92.3	7.2		4.3		8		48				<0.2		0.9	
						5.9	0.3	13	18.4		8.2		31.8		92.3		7.2		4.4		7		48				<0.2		0.7	
					Bottom	10.8	0.3	35	18.4	18.4	8.2	8.2	31.8	31.8	94.6	94.7	7.3	7.4	6.6		16		53				<0.2		0.9	
						10.8	0.3	38	18.4		8.2		31.8		94.8		7.4		6.5		15		52				<0.2		0.8	
C3	Cloudy	Moderate	08:19	11.2	Surface	1.0	0.5	252	18.4	18.4	8.2	8.2	32.2	32.2	91.5	91.5	7.1	7.1	4.1	7.3	8	10	44	49	822086	817789	<0.2	<0.2	0.8	0.8
						1.0	0.5	273	18.4		8.2		32.2		91.5		7.1		4.1		9		46				<0.2		0.8	
					Middle	5.6	0.5	252	18.4	18.4	8.2	8.2	32.3	32.3	91.1	91.1	7.1		6.3		8		49				<0.2		0.9	
						5.6	0.5	273	18.4		8.2		32.3		91.1		7.1		6.3		9		47				<0.2		0.9	
					Bottom	10.2	0.4	262	18.4	18.4	8.2	8.2	32.3	32.3	96.1	96.1	7.4	7.4	11.2		14		54				<0.2		0.7	
						10.2	0.4	284	18.4		8.2		32.3		96.1		7.4		11.9		13		52				<0.2		0.8	
IM1	Misty	Moderate	10:02	4.6	Surface	1.0	0.1	348	18.9	18.9	8.1	8.1	32.9	32.9	102.8	102.9	7.9	7.9	5.8	6.3	7	9	46	67	817968	807113	<0.2	0.2	0.6	0.8
						1.0	0.1	320	18.9		8.1		32.9		103.0		7.9		5.7		8		46				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	338	18.9	18.9	8.1	8.1	32.9	32.9	103.5	103.6	7.9	7.9	6.8		11		87				0.2		0.8	
						3.6	0.1	311	18.9		8.1		32.9		103.6		7.9		6.8		10		87				0.2		0.8	
IM2	Misty	Moderate	10:09	6.4	Surface	1.0	0.3	2	18.8	18.8	8.1	8.1	32.6	32.6	102.9	103.0	7.9	7.9	6.6	7.5	11	10	46	74	818162	806160	0.2	0.2	0.8	0.7
						1.0	0.3	2	18.8		8.1		32.6		103.0		7.9		6.6		10		45				0.2		0.8	
					Middle	3.2	0.3	353	18.7	18.7	8.1	8.1	32.7	32.7	103.4	103.5	7.9		7.5		10		86				0.2		0.6	
						3.2	0.3	325	18.7		8.1		32.7		103.5		8.0		7.5		10		86				0.2		0.7	
					Bottom	5.4	0.2	351	18.7	18.7	8.1	8.1	32.6	32.6	105.0	105.1	8.1	8.1	8.3		10		90				<0.2		0.7	
						5.4	0.2	356	18.7		8.1		32.6		105.2		8.1		8.2		11		90				<0.2		0.8	
IM3	Misty	Moderate	10:16	6.6	Surface	1.0	0.3	337	18.8	18.8	8.1	8.1	32.5	32.5	102.7	102.7	7.9	7.9	7.0	8.1	10	11	46	74	818779	805586	<0.2	0.2	0.8	0.7
						1.0	0.3	310	18.8		8.1		32.5		102.7		7.9		7.1		9		46				<0.2		0.8	
					Middle	3.3	0.3	341	18.8	18.8	8.1	8.1	32.7	32.7	103.0	103.1	7.9		8.3		11		87				0.2		0.7	
						3.3	0.3	314	18.8		8.1		32.7		103.2		7.9		8.2		10		87				0.2		0.8	
					Bottom	5.6	0.2	340	18.7	18.7	8.1	8.1	32.7	32.7	104.6	104.8	8.0	8.1	9.0		12		90				<0.2		0.7	
						5.6	0.2	313	18.7		8.1		32.7		104.9		8.1		9.1		11		90				<0.2		0.6	
IM4	Misty	Moderate	10:25	8.2	Surface	1.0	0.6	4	18.9	18.9	8.1	8.1	32.6	32.7	100.1	100.1	7.7	7.7	6.3	7.3	9	10	82	88	819734	804594	<0.2	<0.2	0.8	0.8
						1.0	0.7	4	18.9		8.1		32.7		100.1		7.7		6.2		10		82				<0.2		0.8	
					Middle	4.1	0.6	354	18.9	18.9	8.1	8.1	32.7	32.7	100.6	100.8	7.7		7.1		10		90				<0.2		0.8	
						4.1	0.6	326	18.9		8.1		32.7		100.9		7.7		7.1		11		90				<0.2		0.8	
					Bottom	7.2	0.5	350	18.9	18.9	8.1	8.1	32.7	32.7	103.1	103.3	7.9	7.9	8.4		10		91				<0.2		0.8	
						7.2	0.5	322	18.9		8.1		32.7		103.5		7.9		8.5		11		91				<0.2		0.8	
IM5	Misty	Moderate	10:31	6.6	Surface	1.0	0.8	16	18.9	18.9	8.1	8.1	32.8	32.8	100.7	100.8	7.7	7.8	4.9	5.5	11	13	43	74	820730	804853	<0.2	<0.2	0.7	0.8
						1.0	0.8	16	18.9		8.1		32.8		100.8		7.7		4.8		10		43				<0.2		0.9	
					Middle	3.3	0.8	18	18.9	18.9	8.1	8.1	32.8	32.8	102.4	102.6	7.8		5.0		10		88				<0.2		0.8	
						3.3	0.9	18	18.9		8.1		32.8		102.7		7.9		5.1		17		87				<0.2		0.7	
					Bottom	5.6	0.7	20	18.9	18.9	8.1	8.1	32.7	32.7	104.0	104.3	8.0	8.0	6.7		15		91				<0.2		0.9	
						5.6	0.8	21	18.9		8.1		32.7		104.5		8.0		6.7		16		91				<0.2		0.8	
IM6	Misty	Moderate	10:39	7.2	Surface	1.0	0.3	32	18.8	18.8	8.1	8.1	32.9	32.9	102.2	102.2	7.8	7.9	3.6	4.5	6	6	45	74	821041	805850	0.3	0.2	0.9	0.8
						1.0	0.3	32	18.8		8.1		32.9		102.2		7.8		3.6		5		45				0.2		0.9	
					Middle	3.6	0.2	26	18.8	18.8	8.2	8.2	32.9	32.9	102.8	102.9	7.9		4.5		6		86				<0.2		0.8	
						3.6	0.2	26	18.8		8.2		32.9		103.0		7.9		4.4		6		87				<0.2		0.8	
					Bottom	6.2	0.2	45	18.8	18.8	8.2	8.2	32.9	32.9	103.5	103.6	7.9	7.9	5.5		6		91				<0.2		0.7	
						6.2	0.2	47	18.8		8.2		32.9		103.7		7.9		5.5		7		91				<0.2		0.8	
IM7	Misty	Moderate	10:46	8.4	Surface	1.0	0.2	128	19.1	19.1	8.1	8.1	32.7	32.7	99.9	99.9	7.6	7.7	3.2	4.7	4	7	42	74	821359	806841	<0.2	<0.2	0.8	0.9
						1.0	0.2	131	19.1		8.1		32.7		99.9		7.6		3.3		5		43				<0.2		0.9	
					Middle	4.2	0.2	125	19.0	19.0	8.1	8.1	32.7	32.7	100.4	100.5	7.7		4.8		7		88				<0.2		0.8	
						4.2	0.2	129	19.0		8.1		32.7		100.5		7.7		4.9		8		88				<0.2		0.9	
					Bottom	7.4	0.2	127	19.0	19.0	8.1	8.1	32.7	32.7	102.0	102.1	7.8	7.8	5.9		7		90				<0.2		0.8	
						7.4	0.3	138	19.0		8.1		32.7		102.2		7.8		5.9		8		90				<0.2		0.9	
IM8	Cloudy	Moderate	10:17	7.5	Surface	1.0	0.0	42	18.4	18.4	8.2	8.2	31.9	31.9	91.0	91.0	7.1	7.1	5.6	5.5	9	9	44	48	821829	808143	<0.2	<0.2	0.7	0.8
						1.0	0.0	42	18.4		8.2		31.9		91.0		7.1		5.6		10		45				<0.2		0.8	
					Middle	3.8	0.1	27	18.3	18.3	8.2	8.2	31.9	31.9	91.1	91.2	7.1		5.5		10		48				<0.2		0.9	
						3.8	0.1	28	18.3		8.2		31.9		91.2		7.1		5.5		9		49				<0.2		0.8	
					Bottom	6.5	0.0	273	18.3	18.3	8.2	8.2	31.9	31.9	92.6	92.7	7.2	7.2	5.4		9		51				<0.2		0.8	
						6.5	0.0	285	18.3		8.2		31.9		92.8		7.2		5.5		8		50				<0.2		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 20 January 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 (ppm)		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
IM9	Cloudy	Moderate	10:13	7.2	Surface	1.0	0.1	267	18.3	18.3	8.2	8.2	31.9	31.9	92.4	92.4	7.2	7.2	7.3	9.3	9	9	42	46	822073	808830	<0.2	<0.2	0.7	0.7
						1.0	0.1	276	18.3		8.2		31.9		92.4		7.2		7.3		10		43				<0.2		0.8	
					Middle	3.6	0.1	233	18.3	18.3	8.2	8.3	31.9	31.9	92.8	92.8	7.2		9.0		9		45				<0.2		0.9	
						3.6	0.1	252	18.3		8.3		31.9		92.8		7.2		9.7		8		46				<0.2		0.8	
					Bottom	6.2	0.1	237	18.2	18.2	8.3	8.3	31.9	31.9	94.1	94.2	7.3	7.3	11.1		8		48				<0.2		0.5	
						6.2	0.1	246	18.2		8.3		31.9		94.3		7.3		11.3		7		49				<0.2		0.6	
IM10	Cloudy	Moderate	10:06	6.9	Surface	1.0	0.4	322	18.3	18.3	8.2	8.2	31.9	31.9	92.1	92.1	7.2	7.2	8.9	9.9	12	12	43	47	822389	809787	<0.2	0.2	0.7	0.8
						1.0	0.4	353	18.3		8.2		31.9		92.1		7.2		9.2		13		43				<0.2		0.6	
					Middle	3.5	0.4	321	18.2	18.2	8.2	8.2	31.9	31.9	92.4	92.4	7.2		10.1		11		48				0.2		0.8	
						3.5	0.5	344	18.2		8.2		31.9		92.4		7.2		10.4		12		47				0.2		0.8	
					Bottom	5.9	0.3	328	18.2	18.2	8.2	8.2	31.9	31.9	93.1	93.2	7.3	7.3	10.3		12		52				<0.2		0.8	
						5.9	0.3	334	18.2		8.2		31.9		93.2		7.3		10.2		11		51				<0.2		0.9	
IM11	Cloudy	Moderate	09:57	7.6	Surface	1.0	0.6	320	18.3	18.3	8.2	8.2	32.0	32.0	92.3	92.3	7.2	7.2	8.0	9.7	10	10	43	48	822040	811454	<0.2	<0.2	0.7	0.8
						1.0	0.6	351	18.3		8.2		32.0		92.3		7.2		8.1		9		44				<0.2		0.8	
					Middle	3.8	0.5	315	18.3	18.3	8.2	8.2	32.0	32.0	92.3	92.3	7.2		9.6		9		48				<0.2		0.8	
						3.8	0.5	332	18.3		8.2		32.0		92.3		7.2		9.6		10		47				<0.2		0.7	
					Bottom	6.6	0.3	324	18.3	18.3	8.2	8.2	32.0	32.0	92.6	92.6	7.2	7.2	11.4		10		52				<0.2		0.7	
						6.6	0.4	324	18.3		8.2		32.0		92.6		7.2		11.4		11		51				<0.2		0.8	
IM12	Cloudy	Moderate	09:50	9.4	Surface	1.0	0.2	288	18.3	18.3	8.2	8.2	32.0	32.0	92.1	92.1	7.2	7.2	9.8	10.8	15	14	47	49	821467	812042	<0.2	<0.2	0.7	0.9
						1.0	0.2	308	18.3		8.2		32.0		92.1		7.2		10.0		14		46				<0.2		0.8	
					Middle	4.7	0.2	280	18.3	18.3	8.2	8.2	32.0	32.0	91.9	91.9	7.1		10.4		15		48				<0.2		0.9	
						4.7	0.2	285	18.3		8.2		32.0		91.9		7.1		10.5		14		49				<0.2		0.8	
					Bottom	8.4	0.2	270	18.3	18.3	8.2	8.2	32.0	32.0	92.2	92.3	7.2	7.2	10.6		13		52				<0.2		0.9	
						8.4	0.2	287	18.3		8.2		32.0		92.3		7.2		13.6		14		51				<0.2		1.0	
SR1A	Cloudy	Moderate	08:51	5.7	Surface	1.0	-	-	18.3	18.3	8.2	8.2	32.2	32.2	94.2	94.3	7.3	7.3	2.9	3.2	12	11	-	-	819975	812659	-	-	-	-
						1.0	-	-	18.3		8.2		32.2		94.4		7.3		3.0		11		-				-		-	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	-	-	18.3	18.3	8.2	8.2	32.2	32.2	95.5	95.7	7.4	7.4	3.4		10		-				-		-	
						4.7	-	-	18.3		8.2		32.2		95.8		7.4		3.4		11		-				-		-	
SR2	Cloudy	Moderate	08:38	3.9	Surface	1.0	0.1	76	18.2	18.2	8.2	8.2	31.9	31.9	93.7	93.7	7.3	7.3	9.3	9.6	5	6	48	51	821445	814171	0.2	0.2	0.8	0.8
						1.0	0.1	81	18.2		8.2		31.9		93.7		7.3		9.3		5		49				0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	82	18.2	18.2	8.2	8.2	31.9	31.9	95.5	95.7	7.4	7.5	9.9		6		53				<0.2		0.8	
						2.9	0.1	82	18.2		8.2		31.9		95.8		7.5		10.0		7		52				<0.2		0.8	
SR3	Cloudy	Moderate	10:23	8.8	Surface	1.0	0.0	67	18.5	18.5	8.2	8.2	31.8	31.8	91.5	91.5	7.1	7.1	4.4	5.8	5	5	-	-	822154	807553	-	-	-	-
						1.0	0.0	71	18.4		8.2		31.8		91.5		7.1		4.5		6		-				-		-	
					Middle	4.4	0.1	93	18.4	18.4	8.2	8.2	31.8	31.8	91.6	91.7	7.1		5.4		6		-				-		-	
						4.4	0.1	97	18.4		8.2		31.8		91.7		7.1		5.6		5		-				-		-	
					Bottom	7.8	0.1	75	18.4	18.4	8.2	8.2	31.8	31.8	93.7	93.8	7.3	7.3	7.2		5		-				-		-	
						7.8	0.1	80	18.4		8.2		31.8		93.8		7.3		7.4		4		-				-		-	
SR4A	Misty	Moderate	09:23	8.8	Surface	1.0	0.2	99	18.9	18.9	8.1	8.1	33.0	33.0	101.1	101.1	7.7	7.8	3.8	4.6	8	8	-	-	817199	807828	-	-	-	-
						1.0	0.2	105	18.9		8.1		33.0		101.1		7.7		3.8		9		-				-		-	
					Middle	4.4	0.1	79	18.9	18.9	8.1	8.1	33.0	33.0	101.4	101.4	7.8		4.8		9		-				-		-	
						4.4	0.1	85	18.9		8.1		33.0		101.4		7.8		4.8		9		-				-		-	
					Bottom	7.8	0.1	40	18.9	18.9	8.1	8.1	33.0	33.0	102.4	102.6	7.8	7.9	5.1		7		-				-		-	
						7.8	0.1	40	18.9		8.1		33.0		102.8		7.9		5.2		6		-				-		-	
SR5A	Misty	Moderate	09:06	3.2	Surface	1.0	0.1	288	18.9	18.9	8.1	8.1	33.1	33.1	103.1	103.2	7.9	7.9	6.1	6.8	7	7	-	-	816575	810709	-	-	-	-
						1.0	0.1	288	18.9		8.1		33.1		103.2		7.9		6.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.0	292	18.9	18.9	8.1	8.1	33.1	33.1	104.2	104.4	8.0	8.0	7.4		8		-				-		-	
						2.2	0.0	296	18.9		8.1		33.1		104.5		8.0		7.5		7		-				-		-	
SR6A	Misty	Moderate	08:26	4.0	Surface	1.0	0.0	277	18.9	18.9	8.0	8.0	33.1	33.1	101.5	101.7	7.8	7.8	3.7	4.2	5	6	-	-	817965	814748	-	-	-	-
						1.0	0.0	293	18.9		8.0		33.1		101.8		7.8		3.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	281	18.8	18.8	7.9	7.9	33.0	33.0	103.2	103.5	7.9	7.9	4.7		6		-				-		-	
						3.0	0.0	295	18.8		7.9		33.0		103.7		7.9		4.7		7		-				-		-	
SR7	Cloudy	Moderate	07:52	16.5	Surface	1.0	0.2	52	18.5	18.5	8.1	8.1	32.4	32.4	87.9	87.9	6.8	6.8	4.5	5.6	5	6	-	-	823638	823742	-	-	-	-
						1.0	0.2	52	18.5		8.1		32.4		87.9		6.8		4.6		5		-				-		-	
					Middle	8.3	0.2	55	18.5	18.5	8.1	8.1	32.5	32.5	87.3	87.3	6.7		6.0		5		-				-		-	
						8.3	0.2	55	18.5		8.1		32.5		87.3		6.7		6.1		6		-				-		-	
					Bottom	15.5	0.2	72	18.5	18.5	8.1	8.1	32.5	32.5	87.8	87.8	6.8	6.8	6.3		7		-				-		-	
						15.5	0.2	73	18.5		8.1		32.5		87.8		6.8		6.2		6		-				-		-	
SR8	Cloudy	Moderate	09:43	4.6	Surface	1.0	-	-	18.2	18.2	8.2	8.2	32.0	32.0	96.0	96.1	7.5	7.5	5.1	5.7	11	13	-	-	820411	811603	-	-	-	-
						1.0	-	-	18.2		8.2		32.0		96.1		7.5		5.3		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	18.2	18.2	8.2	8.2	32.0	32.0	96.9	97.0	7.5	7.6	6.2		15		-				-		-	
						3.6	-	-	18.2		8.2		32.0		97.1		7.6		6.1		16		-				-		-	

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 January 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 (ppm)		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	15:11	7.6	Surface	1.0	0.1	184	18.8	18.8	8.2	8.2	32.8	32.8	103.2	103.2	7.9	7.9	4.8	5.3	8	8	84	87	815616	804261	<0.2	<0.2	1.0	0.9
						1.0	0.1	191	18.8		8.2		32.8		103.1		7.9		4.7		9		84				<0.2		0.9	
					Middle	3.8	0.1	192	18.8	18.8	8.2	8.2	32.9	32.9	103.2	103.3	7.9		5.1		8		87				<0.2		0.8	
						3.8	0.1	210	18.8		8.2		32.9		103.3		7.9		5.1		7		87				<0.2		0.8	
					Bottom	6.6	0.2	206	18.7	18.7	8.2	8.2	33.0	33.0	105.0	105.1	8.1	8.1	6.1		7		91				<0.2		0.8	
						6.6	0.2	224	18.7		8.2		33.0		105.2		8.1		6.1		7		91				<0.2		0.8	
C2	Fine	Rough	14:12	8.3	Surface	1.0	0.0	8	18.6	18.6	8.2	8.2	31.3	31.3	94.6	94.6	7.3	7.3	2.8	3.6	3	4	44	48	825671	806950	<0.2	<0.2	1.1	1.1
						1.0	0.0	8	18.6		8.2		31.3		94.5		7.3		2.8		3		44				<0.2		1.2	
					Middle	4.2	0.3	48	18.5	18.5	8.2	8.3	31.6	31.6	94.3	94.4	7.3		2.4		4		48				<0.2		1.0	
						4.2	0.3	52	18.5		8.3		31.6		94.4		7.3		2.5		4		48				<0.2		1.1	
					Bottom	7.3	0.3	58	18.4	18.4	8.2	8.2	31.9	31.9	94.3	94.4	7.3	7.3	5.6		4		51				<0.2		1.1	
						7.3	0.3	62	18.4		8.2		31.9		94.4		7.3		5.6		4		51				<0.2		1.2	
C3	Fine	Rough	16:09	11.9	Surface	1.0	0.3	120	18.5	18.5	8.2	8.2	32.1	32.1	92.8	92.8	7.2	7.2	1.8	1.8	3	3	44	48	822087	817785	<0.2	<0.2	1.1	1.0
						1.0	0.3	120	18.5		8.2		32.1		92.8		7.2		1.8		3		44				<0.2		1.1	
					Middle	6.0	0.3	119	18.6	18.6	8.2	8.2	32.2	32.2	91.6	91.6	7.1		1.8		3		48				<0.2		1.1	
						6.0	0.3	120	18.6		8.2		32.2		91.6		7.1		1.8		3		48				<0.2		1.0	
					Bottom	10.9	0.3	108	18.5	18.5	8.2	8.2	32.3	32.3	90.4	90.4	7.0	7.0	2.0		3		51				<0.2		1.0	
						10.9	0.3	116	18.5		8.2		32.3		90.4		7.0		2.0		4		51				<0.2		0.9	
IM1	Misty	Moderate	14:53	5.0	Surface	1.0	0.1	177	19.0	19.0	8.1	8.1	32.7	32.7	104.1	104.1	8.0	8.0	5.4	6.0	7	9	82	85	817957	807128	<0.2	<0.2	0.7	0.8
						1.0	0.1	188	19.0		8.1		32.7		104.1		8.0		5.5		6		82				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	185	18.9	18.9	8.1	8.1	32.8	32.8	104.2	104.3	8.0	8.0	6.6		11		87				<0.2		0.8	
						4.0	0.1	201	18.9		8.1		32.8		104.4		8.0		6.6		11		87				<0.2		0.9	
IM2	Misty	Moderate	14:46	7.0	Surface	1.0	0.1	127	18.9	18.9	8.1	8.1	32.7	32.7	102.7	102.7	7.9	7.9	6.9	7.8	9	10	46	75	818172	806149	<0.2	<0.2	0.9	0.8
						1.0	0.1	134	18.9		8.1		32.7		102.6		7.9		7.1		9		46				<0.2		0.9	
					Middle	3.5	0.0	76	18.9	18.9	8.1	8.1	32.7	32.7	102.8	102.9	7.9		8.0		10		87				<0.2		0.8	
						3.5	0.0	76	18.9		8.1		32.7		103.0		7.9		8.1		9		87				<0.2		0.8	
					Bottom	6.0	0.1	137	18.7	18.7	8.1	8.1	32.8	32.9	105.2	105.3	8.1	8.1	8.4		11		91				<0.2		0.7	
						6.0	0.1	138	18.6		8.1		32.9		105.4		8.1		8.5		10		92				<0.2		0.7	
IM3	Misty	Moderate	14:39	7.0	Surface	1.0	0.1	320	18.9	18.9	8.1	8.1	32.7	32.7	103.4	103.4	7.9	7.9	6.8	7.6	10	9	44	76	818800	805597	<0.2	<0.2	0.8	0.7
						1.0	0.1	338	18.9		8.1		32.7		103.4		7.9		6.8		10		44				<0.2		0.8	
					Middle	3.5	0.1	346	18.9	18.9	8.1	8.1	32.7	32.7	103.7	103.8	7.9		7.2		9		91				<0.2		0.6	
						3.5	0.1	349	18.9		8.1		32.7		103.9		8.0		7.3		9		91				<0.2		0.7	
					Bottom	6.0	0.1	12	18.7	18.7	8.2	8.2	32.9	32.9	105.5	105.6	8.1	8.1	8.7		9		94				<0.2		0.6	
						6.0	0.1	12	18.6		8.2		33.0		105.7		8.1		8.8		9		94				<0.2		0.7	
IM4	Misty	Moderate	14:30	7.6	Surface	1.0	0.2	264	19.0	19.0	8.1	8.1	32.6	32.6	103.5	103.6	7.9	8.0	4.1	5.6	13	10	83	89	819739	804608	<0.2	<0.2	0.6	0.7
						1.0	0.2	289	19.0		8.1		32.6		103.6		7.9		4.1		12		83				<0.2		0.6	
					Middle	3.8	0.1	308	18.9	18.9	8.2	8.2	32.7	32.7	104.2	104.3	8.0		5.8		11		90				<0.2		0.8	
						3.8	0.1	316	18.9		8.2		32.7		104.4		8.0		5.8		10		90				<0.2		0.7	
					Bottom	6.6	0.1	325	18.8	18.8	8.2	8.2	32.8	32.8	105.1	105.2	8.1	8.1	6.7		8		95				<0.2		0.6	
						6.6	0.1	344	18.8		8.2		32.8		105.3		8.1		6.7		7		95				<0.2		0.6	
IM5	Misty	Moderate	14:23	8.4	Surface	1.0	0.2	354	18.9	18.9	8.1	8.1	32.7	32.7	101.2	101.2	7.7	7.7	4.3	5.3	6	8	46	75	820716	804877	<0.2	<0.2	0.8	0.8
						1.0	0.2	326	18.9		8.1		32.7		101.2		7.7		4.3		7		46				<0.2		0.7	
					Middle	4.2	0.2	2	18.9	18.9	8.1	8.1	32.6	32.6	101.2	101.2	7.7		5.4		8		88				<0.2		0.9	
						4.2	0.2	2	18.9		8.1		32.6		101.2		7.7		5.3		9		88				<0.2		0.7	
					Bottom	7.4	0.2	13	19.0	19.0	8.1	8.1	32.6	32.6	102.9	103.1	7.9	7.9	6.1		9		90				<0.2		0.8	
						7.4	0.2	13	19.0		8.1		32.6		103.2		7.9		6.1		6		90				<0.2		0.8	
IM6	Misty	Moderate	14:16	7.6	Surface	1.0	0.1	250	19.1	19.1	8.1	8.1	32.5	32.5	100.9	100.9	7.7	7.7	2.3	3.2	14	14	46	75	821064	805816	<0.2	<0.2	0.7	0.8
						1.0	0.1	252	19.1		8.1		32.5		100.9		7.7		2.3		14		45				<0.2		0.8	
					Middle	3.8	0.1	242	19.1	19.1	8.1	8.1	32.6	32.6	100.5	100.5	7.7		3.3		14		88				<0.2		0.8	
						3.8	0.1	251	19.1		8.1		32.6		100.5		7.7		3.3		14		88				<0.2		0.7	
					Bottom	6.6	0.1	290	19.1	19.1	8.1	8.1	32.7	32.7	101.9	102.1	7.8	7.8	4.2		13		91				<0.2		0.8	
						6.6	0.1	308	19.1		8.1		32.7		102.2		7.8		4.1		13		91				<0.2		0.8	
IM7	Misty	Moderate	14:11	8.4	Surface	1.0	0.2	241	19.1	19.1	8.2	8.2	32.5	32.6	101.9	101.9	7.8	7.8	3.4	4.4	9	10	47	75	821348	806826	<0.2	<0.2	0.8	0.7
						1.0	0.2	257	19.1		8.2		32.6		101.9		7.8		3.5		9		47				<0.2		0.6	
					Middle	4.2	0.1	237	19.0	19.0	8.2	8.2	32.7	32.7	102.0	102.1	7.8		4.9		10		88				<0.2		0.6	
						4.2	0.1	248	19.0		8.2		32.7		102.1		7.8		4.9		10		88				<0.2		0.8	
					Bottom	7.4	0.1	166	19.0	19.0	8.2	8.2	32.6	32.6	103.5	103.6	7.9	7.9	5.0		12		90				<0.2		0.8	
						7.4	0.1	178	19.0		8.2		32.6		103.7		7.9		5.0		12		90				<0.2		0.8	
IM8	Fine	Rough	14:43	8.1	Surface	1.0	0.3	69	18.5	18.5	8.2	8.2	31.6	31.6	93.9	93.9	7.3	7.3	3.4	6.5	3	4	44	48	821817	808146	<0.2	<0.2	1.1	1.1
						1.0	0.3	69	18.5		8.2		31.6		93.8		7.3		3.4		3		44				<0.2		1.0	
					Middle	4.1	0.3	65	18.4	18.4	8.2	8.2	31.8	31.8	93.6	93.6	7.3		8.2		4		48				<0.2		1.2	
						4.1	0.4	67	18.4		8.2		31.8		93.6		7.3		8.2		4		48				<0.2		1.0	
					Bottom	7.1	0.2	64	18.4	18.4	8.2	8.2	31.9	31.9	93.6	93.6	7.3	7.3	7.9		4		52				<0.2		1.2	
						7.1	0.2	67	18.4		8.2		31.9		93.6		7.3		7.9		4		52				<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 22 January 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 (ppm)		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
IM9	Fine	Rough	14:48	8.0	Surface	1.0	0.3	71	18.7	18.7	8.2	8.2	31.3	31.3	93.2	93.2	7.2	7.2	1.8	3.5	2	4	40	46	822114	808828	<0.2	<0.2	1.2	1.1
						1.0	0.3	72	18.7		8.2		31.3		93.2		7.2		1.8		3		40				<0.2		1.2	
					Middle	4.0	0.3	65	18.5	18.5	8.2	8.2	31.6	31.6	92.3	92.3	7.2		3.9		4		47				<0.2		1.1	
						4.0	0.3	69	18.5		8.2		31.6		92.3		7.2		3.9		4		47				<0.2		1.2	
					Bottom	7.0	0.3	64	18.5	18.5	8.2	8.2	31.8	31.8	92.6	92.6	7.2	7.2	4.9		4		51				<0.2		1.1	
						7.0	0.4	69	18.5		8.2		31.8		92.6		7.2		4.9		4		51				<0.2		1.0	
IM10	Fine	Rough	14:55	8.5	Surface	1.0	0.4	74	18.7	18.7	8.2	8.2	31.3	31.3	93.3	93.3	7.2	7.2	1.6	2.0	4	4	44	48	822381	809772	<0.2	<0.2	1.0	1.1
						1.0	0.5	78	18.7		8.2		31.3		93.3		7.2		1.6		4		44				<0.2		1.1	
					Middle	4.3	0.5	84	18.5	18.5	8.2	8.2	31.7	31.7	92.2	92.2	7.2		1.9		4		47				<0.2		1.1	
						4.3	0.5	84	18.5		8.2		31.7		92.2		7.2		1.9		4		47				<0.2		1.1	
					Bottom	7.5	0.2	102	18.5	18.5	8.2	8.2	32.0	32.0	92.6	92.6	7.2	7.2	2.5		4		52				<0.2		1.2	
						7.5	0.2	111	18.5		8.2		32.0		92.6		7.2		2.5		3		52				<0.2		1.2	
IM11	Fine	Rough	15:05	9.8	Surface	1.0	0.3	108	18.5	18.5	8.2	8.2	32.0	32.0	93.2	93.2	7.2	7.2	2.2	2.9	4	3	42	47	822051	811452	<0.2	<0.2	1.1	1.1
						1.0	0.3	109	18.5		8.2		32.0		93.2		7.2		2.2		3		42				<0.2		1.1	
					Middle	4.9	0.3	112	18.4	18.4	8.2	8.2	32.0	32.0	92.9	92.9	7.2		2.7		3		49				<0.2		1.2	
						4.9	0.3	118	18.4		8.2		32.0		92.8		7.2		2.7		3		49				<0.2		1.3	
					Bottom	8.8	0.3	106	18.4	18.4	8.2	8.2	32.0	32.0	92.7	92.7	7.2	7.2	3.8		3		51				<0.2		1.0	
						8.8	0.3	110	18.4		8.2		32.0		92.7		7.2		3.9		3		51				<0.2		1.1	
IM12	Fine	Rough	15:10	8.1	Surface	1.0	0.2	97	18.4	18.4	8.2	8.2	32.0	32.0	93.5	93.5	7.3	7.3	2.4	2.8	3	4	42	48	821458	812026	<0.2	<0.2	1.2	1.2
						1.0	0.2	102	18.4		8.2		32.0		93.5		7.3		2.4		3		42				<0.2		1.1	
					Middle	4.1	0.3	100	18.4	18.4	8.2	8.2	32.0	32.0	93.3	93.3	7.2		2.7		4		49				<0.2		1.2	
						4.1	0.3	108	18.4		8.2		32.0		93.3		7.2		2.7		4		49				<0.2		1.1	
					Bottom	7.1	0.2	102	18.4	18.4	8.2	8.2	32.0	32.0	93.2	93.2	7.2	7.2	3.2		4		52				<0.2		1.2	
						7.1	0.2	104	18.4		8.2		32.0		93.2		7.2		3.2		4		52				<0.2		1.1	
SR1A	Fine	Moderate	15:35	5.3	Surface	1.0	-	-	18.5	18.5	8.2	8.2	32.0	32.0	93.2	93.2	7.2	7.2	2.0	1.9	4	4	-	-	819979	812659	-	-	-	-
						1.0	-	-	18.5		8.2		32.0		93.2		7.2		1.9		4		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	18.5	18.5	8.2	8.2	32.0	32.0	94.0	94.1	7.3	7.3	1.8		4		-				-		-	
						4.3	-	-	18.5		8.2		32.0		94.1		7.3		1.8		3		-				-		-	
SR2	Fine	Moderate	15:49	4.7	Surface	1.0	0.2	46	18.5	18.5	8.2	8.2	32.0	32.0	93.1	93.1	7.2	7.2	2.1	2.1	5	4	43	46	821485	814161	<0.2	<0.2	1.1	1.1
						1.0	0.2	49	18.5		8.2		32.0		93.1		7.2		2.1		3		44				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	51	18.5	18.5	8.2	8.2	32.0	32.0	93.0	93.0	7.2	7.2	2.1		3		49				<0.2		1.1	
						3.7	0.2	55	18.5		8.2		32.0		93.0		7.2		2.1		3		49				<0.2		1.1	
SR3	Fine	Rough	14:38	8.5	Surface	1.0	0.1	58	18.6	18.6	8.2	8.2	31.4	31.4	94.6	94.6	7.3	7.3	1.8	3.8	4	5	-	-	822165	807571	-	-	-	-
						1.0	0.1	59	18.6		8.2		31.4		94.6		7.3		1.9		4		-				-		-	
					Middle	4.3	0.2	65	18.5	18.5	8.2	8.2	31.7	31.7	94.6	94.6	7.3		3.2		5		-				-		-	
						4.3	0.2	70	18.5		8.2		31.7		94.6		7.3		3.2		5		-				-		-	
					Bottom	7.5	0.3	65	18.4	18.4	8.2	8.2	31.9	31.9	94.7	94.7	7.4	7.4	6.2		5		-				-		-	
						7.5	0.3	68	18.4		8.2		31.9		94.7		7.4		6.3		5		-				-		-	
SR4A	Misty	Moderate	15:31	8.8	Surface	1.0	0.2	83	19.0	19.0	8.1	8.1	32.7	32.7	104.1	104.1	8.0	8.0	3.6	4.6	9	9	-	-	817193	807798	-	-	-	-
						1.0	0.2	87	19.0		8.1		32.7		104.1		8.0		3.6		9		-				-		-	
					Middle	4.4	0.2	76	19.0	19.0	8.2	8.2	32.8	32.8	105.1	105.3	8.0		4.2		9		-				-		-	
						4.4	0.2	78	19.0		8.2		32.8		105.4		8.1		4.2		9		-				-		-	
					Bottom	7.8	0.2	60	18.6	18.6	8.2	8.2	33.1	33.1	106.3	106.4	8.2	8.2	5.9		9		-				-		-	
						7.8	0.2	65	18.5		8.2		33.2		106.4		8.2		6.0		8		-				-		-	
SR5A	Misty	Moderate	15:46	3.2	Surface	1.0	0.1	27	19.2	19.2	8.1	8.1	32.8	32.8	105.9	106.0	8.1	8.1	3.1	3.8	7	6	-	-	816594	810678	-	-	-	-
						1.0	0.1	27	19.2		8.1		32.8		106.1		8.1		3.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.1	32	19.2	19.2	8.1	8.1	32.7	32.7	106.6	106.6	8.1	8.1	4.5		5		-				-		-	
						2.2	0.1	33	19.2		8.1		32.7		106.5		8.1		4.5		5		-				-		-	
SR6A	Misty	Moderate	16:30	4.0	Surface	1.0	0.0	42	19.2	19.2	8.1	8.1	32.8	32.8	104.6	104.7	8.0	8.0	5.9	6.0	7	8	-	-	817956	814721	-	-	-	-
						1.0	0.0	44	19.2		8.1		32.8		104.7		8.0		6.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	44	19.2	19.2	8.1	8.1	32.8	32.8	105.0	105.1	8.0	8.0	6.0		8		-				-		-	
						3.0	0.0	46	19.2		8.1		32.8		105.1		8.0		6.1		8		-				-		-	
SR7	Fine	Rough	16:34	15.4	Surface	1.0	0.6	95	18.5	18.5	8.2	8.2	32.4	32.4	88.6	88.6	6.8	6.8	1.5	1.8	3	3	-	-	823627	823727	-	-	-	-
						1.0	0.7	97	18.5		8.2		32.4		88.6		6.8		1.5		3		-				-		-	
					Middle	7.7	0.5	91	18.5	18.5	8.2	8.2	32.5	32.5	87.8	87.8	6.8		1.7		3		-				-		-	
						7.7	0.5	97	18.5		8.2		32.5		87.8		6.8		1.7		3		-				-		-	
					Bottom	14.4	0.3	75	18.5	18.5	8.2	8.2	32.5	32.5	88.2	88.3	6.8	6.8	2.1		3		-				-		-	
						14.4	0.3	80	18.5		8.2		32.5		88.3		6.8		2.1		3		-				-		-	
SR8	Fine	Moderate	15:16	5.1	Surface	1.0	-	-	18.6	18.6	8.2	8.2	32.0	32.0	94.6	94.6	7.3	7.3	2.2	2.4	3	3	-	-	820373	811628	-	-	-	-
						1.0	-	-	18.6		8.2		32.0		94.6		7.3		2.2		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	18.5	18.5	8.2	8.2	32.0	32.0	95.0	95.1	7.4	7.4	2.7		4		-				-		-	
						4.1	-	-	18.5		8.2		32.0		95.1		7.4		2.7		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 January 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 (ppm)		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	10:14	7.2	Surface	1.0	0.5	35	18.9	18.9	8.1	8.1	32.8	32.8	103.1	103.1	7.9	8.0	4.3	5.6	5	6	78	85	815636	804241	<0.2	<0.2	1.0	0.9
						1.0	0.5	37	18.9		8.1		32.8		103.1		7.9		4.3		5		77				<0.2		0.9	
					Middle	3.6	0.5	30	18.8	18.8	8.1	8.1	32.8	32.8	104.7	104.9	8.0		5.8		6		86				<0.2		0.8	
						3.6	0.5	31	18.8		8.1		32.8		105.0		8.0		5.8		6		86				<0.2		0.8	
					Bottom	6.2	0.4	28	18.4	18.4	8.1	8.1	33.1	33.1	106.4	106.5	8.2	8.2	6.8		8		90				<0.2		0.8	
						6.2	0.5	30	18.4		8.1		33.2		106.5		8.2		6.8		7		90				<0.2		0.8	
C2	Cloudy	Rough	11:41	8.9	Surface	1.0	0.2	318	18.7	18.7	8.1	8.1	31.0	31.0	92.4	92.4	7.2	7.2	2.2	3.0	5	5	45	48	825703	806938	<0.2	<0.2	1.0	1.1
						1.0	0.3	321	18.7		8.1		31.0		92.4		7.2		2.2		5		45				<0.2		1.0	
					Middle	4.5	0.2	354	18.6	18.6	8.1	8.1	31.1	31.1	91.4	91.4	7.1		2.3		5		47				<0.2		1.1	
						4.5	0.2	326	18.6		8.1		31.1		91.4		7.1		2.3		5		47				<0.2		1.2	
					Bottom	7.9	0.2	1	18.6	18.6	8.1	8.1	31.1	31.1	91.4	91.5	7.1	7.1	4.3		4		52				<0.2		1.1	
						7.9	0.2	1	18.6		8.1		31.2		91.5		7.1		4.3		3		52				<0.2		1.1	
C3	Cloudy	Moderate	09:39	10.5	Surface	1.0	0.6	245	18.5	18.5	8.2	8.2	32.1	32.1	91.2	91.2	7.1	7.1	3.9	7.1	3	3	43	48	822125	817799	<0.2	<0.2	1.1	1.1
						1.0	0.6	264	18.5		8.2		32.1		91.2		7.1		3.9		3		43				<0.2		1.0	
					Middle	5.3	0.5	243	18.5	18.5	8.2	8.2	32.1	32.1	91.3	91.3	7.1		7.2		3		47				<0.2		1.2	
						5.3	0.6	266	18.5		8.2		32.1		91.3		7.1		7.2		3		48				<0.2		1.1	
					Bottom	9.5	0.3	248	18.5	18.5	8.2	8.2	32.1	32.1	91.7	91.7	7.1	7.1	10.3		3		52				<0.2		1.1	
						9.5	0.3	272	18.5		8.2		32.1		91.7		7.1		10.3		2		52				<0.2		1.1	
IM1	Misty	Moderate	10:31	5.2	Surface	1.0	0.2	12	19.0	19.0	8.1	8.1	32.7	32.7	104.4	104.5	8.0	8.0	5.6	5.9	8	8	73	78	817965	807143	<0.2	<0.2	0.7	0.9
						1.0	0.2	13	19.0		8.1		32.7		104.5		8.0		5.7		8		73				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	13	18.9	18.9	8.1	8.1	32.7	32.7	105.0	105.1	8.0	8.0	6.1		7		83				<0.2		0.9	
						4.2	0.2	13	18.9		8.1		32.7		105.1		8.0		6.1		7		83				<0.2		1.0	
IM2	Misty	Moderate	10:37	6.8	Surface	1.0	0.2	1	18.9	18.9	8.1	8.1	32.7	32.7	103.3	103.4	7.9	7.9	5.4	6.7	11	10	45	74	818160	806175	<0.2	<0.2	0.7	0.7
						1.0	0.2	1	18.9		8.1		32.7		103.4		7.9		5.4		11		45				<0.2		0.7	
					Middle	3.4	0.2	358	18.9	18.9	8.1	8.1	32.7	32.7	103.7	103.8	7.9		6.7		10		87				<0.2		0.6	
						3.4	0.2	329	18.9		8.1		32.7		103.8		8.0		6.8		9		87				<0.2		0.7	
					Bottom	5.8	0.3	5	18.9	18.9	8.1	8.1	32.7	32.7	104.6	104.7	8.0	8.0	8.0		9		89				<0.2		0.7	
						5.8	0.3	5	18.9		8.1		32.7		104.8		8.0		7.9		8		89				<0.2		0.8	
IM3	Misty	Moderate	10:42	7.0	Surface	1.0	0.3	354	18.9	18.9	8.1	8.1	32.6	32.6	103.0	103.1	7.9	7.9	6.0	7.4	14	13	46	74	818797	805608	<0.2	<0.2	0.7	0.9
						1.0	0.3	326	18.9		8.1		32.6		103.1		7.9		6.1		15		46				<0.2		0.8	
					Middle	3.5	0.3	341	18.9	18.9	8.1	8.1	32.6	32.6	103.4	103.5	7.9		7.2		14		87				<0.2		0.8	
						3.5	0.3	314	18.9		8.1		32.6		103.5		7.9		7.3		14		87				<0.2		0.9	
					Bottom	6.0	0.3	333	18.9	18.9	8.1	8.1	32.7	32.7	104.3	104.5	8.0	8.0	8.9		11		90				<0.2		1.0	
						6.0	0.3	344	18.9		8.1		32.7		104.7		8.0		8.7		12		90				<0.2		1.0	
IM4	Misty	Moderate	10:50	8.8	Surface	1.0	0.5	355	18.9	18.9	8.1	8.1	32.6	32.6	100.9	100.9	7.7	7.7	7.2	8.6	11	10	82	85	819716	804600	<0.2	<0.2	0.8	0.8
						1.0	0.5	327	18.9		8.1		32.6		100.9		7.7		7.3		12		83				<0.2		0.8	
					Middle	4.4	0.5	357	18.9	18.9	8.1	8.1	32.6	32.5	101.1	101.2	7.7		8.8		10		86				<0.2		0.8	
						4.4	0.5	328	18.9		8.1		32.5		101.2		7.8		9.0		10		86				<0.2		0.8	
					Bottom	7.8	0.4	351	18.9	18.9	8.1	8.1	32.6	32.6	101.4	101.4	7.8	7.8	9.5		9		86				<0.2		0.8	
						7.8	0.4	323	18.9		8.1		32.6		101.4		7.8		9.6		9		86				<0.2		0.7	
IM5	Misty	Moderate	10:57	7.8	Surface	1.0	0.7	20	19.0	19.0	8.1	8.1	32.6	32.6	100.5	100.5	7.7	7.7	4.2	5.3	8	9	69	82	820758	804875	<0.2	<0.2	0.8	0.8
						1.0	0.7	20	19.0		8.1		32.6		100.5		7.7		4.3		9		69				<0.2		0.7	
					Middle	3.9	0.6	25	19.0	19.0	8.1	8.1	32.6	32.6	100.7	100.8	7.7		5.1		9		87				<0.2		0.9	
						3.9	0.7	27	19.0		8.1		32.6		100.8		7.7		5.1		10		87				<0.2		1.0	
					Bottom	6.8	0.7	26	19.0	19.0	8.1	8.1	32.6	32.6	102.0	102.1	7.8	7.8	6.7		10		91				<0.2		0.8	
						6.8	0.7	28	19.0		8.1		32.6		102.1		7.8		6.7		10		91				<0.2		0.8	
IM6	Misty	Moderate	11:03	7.4	Surface	1.0	0.2	84	19.0	19.0	8.1	8.1	32.8	32.8	102.9	102.9	7.9	7.9	7.9	8.5	7	8	46	75	821039	805830	<0.2	<0.2	0.8	0.8
						1.0	0.2	91	19.0		8.1		32.8		102.9		7.9		7.9		7		45				<0.2		0.7	
					Middle	3.7	0.3	87	19.0	19.0	8.1	8.1	32.8	32.8	103.6	103.7	7.9		8.5		8		87				<0.2		0.9	
						3.7	0.3	90	19.0		8.1		32.8		103.7		7.9		8.6		8		87				<0.2		0.8	
					Bottom	6.4	0.2	77	19.0	19.0	8.1	8.1	32.7	32.7	104.2	104.3	8.0	8.0	9.1		10		91				<0.2		0.9	
						6.4	0.2	81	19.0		8.1		32.7		104.4		8.0		9.1		9		91				<0.2		0.8	
IM7	Misty	Moderate	11:11	8.2	Surface	1.0	0.0	95	19.2	19.2	8.1	8.1	32.1	32.1	99.6	99.6	7.6	7.6	3.2	4.4	11	9	43	74	821346	806835	<0.2	<0.2	0.7	0.8
						1.0	0.0	98	19.2		8.1		32.1		99.6		7.6		3.3		10		43				<0.2		0.9	
					Middle	4.1	0.1	96	19.2	19.2	8.1	8.1	32.2	32.2	99.8	99.9	7.6		4.3		9		88				<0.2		0.9	
						4.1	0.1	96	19.2		8.1		32.2		100.0		7.6		4.3		9		88				<0.2		0.8	
					Bottom	7.2	0.1	103	19.1	19.1	8.1	8.1	32.3	32.3	101.8	102.0	7.8	7.8	5.6		7		90				<0.2		0.7	
						7.2	0.1	111	19.1		8.1		32.3		102.2		7.8		5.6		7		91				<0.2		0.8	
IM8	Cloudy	Rough	11:06	8.1	Surface	1.0	0.1	273	18.5	18.5	8.2	8.2	31.3	31.3	93.3	93.3	7.2	7.2	2.2	2.6	6	8	40	46	821831	808163	<0.2	<0.2	1.1	1.1
						1.0	0.1	290	18.5		8.2		31.3		93.3		7.2		2.2		7		40				<0.2		1.1	
					Middle	4.1	0.1	299	18.4	18.4	8.2	8.2	31.7	31.7	92.3	92.3	7.2		2.8		9		47				<0.2		1.0	
						4.1	0.1	326	18.4		8.2		31.7		92.3		7.2		2.8		9		47				<0.2		1.0	
					Bottom	7.1	0.1	270	18.4	18.4	8.2	8.2	31.8	31.8	92.2	92.2	7.2	7.2	2.9		9		52				<0.2		1.1	
						7.1	0.1	283	18.4		8.2		31.8		92.2		7.2		2.9		9		52				<0.2		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 January 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 (ppm)		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
IM9	Cloudy	Rough	11:02	7.8	Surface	1.0	0.2	266	18.4	18.4	8.2	8.2	31.8	31.8	92.5	92.5	7.2	7.2	3.7	5.0	5	8	44	48	822090	808805	<0.2	<0.2	1.1	1.1
						1.0	0.2	281	18.4		8.2		31.8		92.5		7.2		3.7		5		44				<0.2		1.2	
					Middle	3.9	0.2	288	18.4	18.4	8.2	8.2	31.8	31.8	92.6	92.6	7.2		4.7		9		47				<0.2		1.1	
						3.9	0.2	309	18.4		8.2		31.8		92.6		7.2		4.8		9		47				<0.2		1.2	
					Bottom	6.8	0.2	291	18.4	18.4	8.2	8.2	31.8	31.8	92.9	92.9	7.2	7.2	6.7		10		51				<0.2		1.0	
						6.8	0.2	301	18.4		8.2		31.8		92.9		7.2		6.7		10		52				<0.2		1.1	
IM10	Cloudy	Rough	10:55	9.2	Surface	1.0	0.4	303	18.4	18.4	8.2	8.2	31.9	31.9	92.1	92.1	7.2	7.2	6.0	6.8	7	6	40	46	822373	809811	<0.2	<0.2	1.3	1.2
						1.0	0.4	307	18.4		8.2		31.9		92.1		7.2		6.0		6		40				<0.2		1.3	
					Middle	4.6	0.4	286	18.4	18.4	8.2	8.2	31.9	31.9	91.9	91.9	7.1		7.0		6		47				<0.2		1.1	
						4.6	0.4	299	18.4		8.2		31.9		91.9		7.1		6.9		6		47				<0.2		1.3	
					Bottom	8.2	0.3	288	18.4	18.4	8.2	8.2	31.8	31.8	91.8	91.8	7.1	7.1	7.5		5		52				<0.2		1.1	
						8.2	0.3	309	18.4		8.2		31.8		91.8		7.1		7.5		5		52				<0.2		1.2	
IM11	Cloudy	Rough	10:45	8.5	Surface	1.0	0.4	278	18.4	18.4	8.2	8.2	31.9	31.9	93.0	93.0	7.2	7.2	5.3	6.5	4	6	43	48	822033	811471	<0.2	<0.2	1.1	1.1
						1.0	0.5	293	18.4		8.2		31.9		93.0		7.2		5.2		4		44				<0.2		1.2	
					Middle	4.3	0.4	285	18.4	18.4	8.2	8.2	31.9	31.9	93.0	93.0	7.2		6.8		6		48				<0.2		1.1	
						4.3	0.4	289	18.4		8.2		31.9		93.0		7.2		6.9		6		48				<0.2		1.1	
					Bottom	7.5	0.2	295	18.4	18.4	8.2	8.2	31.9	31.9	93.1	93.2	7.2	7.2	7.3		7		51				<0.2		1.0	
						7.5	0.3	308	18.4		8.2		31.9		93.2		7.2		7.3		7		51				<0.2		1.1	
IM12	Cloudy	Moderate	10:39	9.1	Surface	1.0	0.5	306	18.4	18.4	8.2	8.2	32.0	32.0	92.5	92.5	7.2	7.2	9.5	8.4	7	6	40	44	821473	812030	<0.2	<0.2	1.1	1.2
						1.0	0.5	310	18.4		8.2		32.0		92.5		7.2		9.5		6		40				<0.2		1.2	
					Middle	4.6	0.4	303	18.4	18.4	8.2	8.2	32.0	32.0	92.5	92.5	7.2		9.5		6		44				<0.2		1.3	
						4.6	0.5	323	18.4		8.2		32.0		92.5		7.2		9.5		6		44				<0.2		1.3	
					Bottom	8.1	0.4	303	18.4	18.4	8.2	8.2	32.0	32.0	92.6	92.6	7.2	7.2	6.2		5		48				<0.2		1.2	
						8.1	0.4	322	18.4		8.2		32.0		92.6		7.2		6.3		6		48				<0.2		1.3	
SR1A	Cloudy	Calm	10:11	4.6	Surface	1.0	-	-	18.5	18.5	8.2	8.2	32.0	32.0	91.2	91.2	7.1	7.1	2.1	2.2	4	3	-	-	819980	812654	-	-	-	-
						1.0	-	-	18.5		8.2		32.0		91.1		7.1		2.1		2		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	18.5	18.5	8.2	8.2	32.0	32.0	91.3	91.4	7.1	7.1	2.4		3		-				-		-	
						3.6	-	-	18.5		8.2		32.0		91.4		7.1		2.4		2		-				-		-	
SR2	Cloudy	Moderate	09:59	5.1	Surface	1.0	0.2	259	18.3	18.3	8.2	8.2	32.0	32.0	93.4	93.4	7.3	7.3	6.7	9.4	5	4	44	46	821461	814156	<0.2	<0.2	1.2	1.2
						1.0	0.2	276	18.3		8.2		32.0		93.4		7.3		6.7		5		44				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	297	18.3	18.3	8.2	8.2	32.0	32.0	93.7	93.8	7.3	7.3	12.2		3		47				<0.2		1.1	
						4.1	0.1	323	18.3		8.2		32.0		93.8		7.3		12.2		2		47				<0.2		1.1	
SR3	Cloudy	Rough	11:12	9.1	Surface	1.0	0.1	221	18.6	18.6	8.1	8.1	31.1	31.1	92.0	92.0	7.2	7.2	1.7	1.9	5	4	-	-	822162	807569	-	-	-	-
						1.0	0.1	242	18.6		8.1		31.1		92.0		7.2		1.8		4		-				-		-	
					Middle	4.6	0.0	254	18.6	18.6	8.1	8.1	31.1	31.1	91.6	91.6	7.1		1.9		4		-				-		-	
						4.6	0.0	267	18.6		8.1		31.1		91.6		7.1		1.9		4		-				-		-	
					Bottom	8.1	0.1	58	18.6	18.6	8.1	8.1	31.2	31.2	91.3	91.3	7.1	7.1	2.1		3		-				-		-	
						8.1	0.1	59	18.6		8.1		31.2		91.3		7.1		2.1		3		-				-		-	
SR4A	Misty	Moderate	09:53	8.8	Surface	1.0	0.1	258	19.1	19.1	8.1	8.1	32.7	32.7	101.6	101.6	7.8	7.8	3.1	4.5	5	5	-	-	817203	807817	-	-	-	-
						1.0	0.1	271	19.1		8.1		32.7		101.6		7.8		3.1		5		-				-		-	
					Middle	4.4	0.1	259	19.1	19.1	8.1	8.1	32.7	32.7	101.8	101.9	7.8		4.8		5		-				-		-	
						4.4	0.1	263	19.1		8.1		32.7		101.9		7.8		4.7		5		-				-		-	
					Bottom	7.8	0.1	238	19.1	19.1	8.1	8.1	32.7	32.7	102.9	103.0	7.8	7.9	5.6		5		-				-		-	
						7.8	0.1	259	19.1		8.1		32.7		103.1		7.9		5.6		5		-				-		-	
SR5A	Misty	Moderate	09:36	3.2	Surface	1.0	0.1	263	19.1	19.1	8.1	8.1	32.8	32.8	103.1	103.2	7.9	7.9	4.7	5.1	5	6	-	-	816604	810698	-	-	-	-
						1.0	0.1	279	19.1		8.1		32.8		103.3		7.9		4.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.1	267	19.1	19.1	8.1	8.1	32.8	32.8	104.6	104.8	8.0	8.0	5.6		6		-				-		-	
						2.2	0.1	284	19.1		8.1		32.8		104.9		8.0		5.6		6		-				-		-	
SR6A	Misty	Moderate	09:10	4.2	Surface	1.0	0.1	221	19.1	19.1	8.0	8.0	32.9	32.9	99.2	99.3	7.6	7.6	4.6	4.9	10	9	-	-	817981	814727	-	-	-	-
						1.0	0.1	238	19.1		8.0		32.9		99.3		7.6		4.6		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	249	19.1	19.1	8.0	8.0	32.9	32.9	100.2	100.3	7.6	7.7	5.2		9		-				-		-	
						3.2	0.2	268	19.0		8.0		32.9		100.4		7.7		5.1		8		-				-		-	
SR7	Cloudy	Moderate	09:11	14.7	Surface	1.0	0.2	37	18.5	18.5	8.1	8.1	32.3	32.3	89.4	89.4	6.9	6.9	3.6	4.6	3	3	-	-	823638	823758	-	-	-	-
						1.0	0.2	39	18.5		8.1		32.3		89.4		6.9		3.6		3		-				-		-	
					Middle	7.4	0.1	44	18.5	18.5	8.1	8.1	32.3	32.3	89.3	89.3	6.9		4.9		3		-				-		-	
						7.4	0.1	46	18.5		8.1		32.3		89.3		6.9		4.9		3		-				-		-	
					Bottom	13.7	0.2	35	18.5	18.5	8.1	8.1	32.3	32.3	89.4	89.4	6.9	6.9	5.2		3		-				-		-	
						13.7	0.2	36	18.5		8.1		32.3		89.4		6.9		5.3		3		-				-		-	
SR8	Cloudy	Calm	10:32	4.5	Surface	1.0	-	-	18.4	18.4	8.2	8.2	31.9	31.9	93.0	93.0	7.2	7.2	2.9	2.9	3	4	-	-	820380	811618	-	-	-	-
						1.0	-	-	18.4		8.2		31.9		93.0		7.2		2.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	18.4	18.4	8.2	8.2	31.9	31.9	93.2	93.3	7.2	7.2	2.9		5		-				-		-	
						3.5	-	-	18.4		8.2		31.9		93.3		7.2		2.9		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 January 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	05:25	7.8	Surface	1.0	0.5	203	19.0	19.0	8.1	8.1	32.3	32.3	101.1	101.1	7.7	7.7	5.8	5.9	7	8	46	48	815613	804231	<0.2	<0.2	1.0	1.0
						1.0	0.5	208	19.0		8.1		32.3		101.1		7.7		5.8		8		45				<0.2		0.9	
					Middle	3.9	0.6	217	19.0	19.0	8.1	8.1	32.3	32.3	101.0	101.0	7.7		6.0		8		47				<0.2		1.0	
						3.9	0.6	214	19.0		8.1		32.3		101.0		7.7		6.0		8		48				<0.2		1.0	
					Bottom	6.8	0.5	224	19.0	19.0	8.1	8.1	32.3	32.3	101.0	101.0	7.7	7.7	5.9		8		50				<0.2		1.0	
						6.8	0.6	225	19.0		8.1		32.3		101.0		7.7		6.1		9		51				<0.2		1.0	
C2	Cloudy	Moderate	06:48	11.1	Surface	1.0	0.4	155	19.2	19.2	8.0	8.0	30.0	30.0	99.5	99.5	7.7	7.6	2.6	3.7	3	4	46	48	825677	806962	<0.2	<0.2	1.1	1.0
						1.0	0.4	154	19.2		8.0		30.0		99.5		7.7		2.6		3		46				<0.2		1.1	
					Middle	5.6	0.4	155	19.4	19.4	8.0	8.0	31.0	31.0	97.8	97.8	7.5		2.7		3		48				<0.2		1.1	
						5.6	0.4	149	19.4		8.0		31.0		97.7		7.5		2.7		3		48				<0.2		1.0	
					Bottom	10.1	0.4	182	19.3	19.3	8.0	8.0	31.5	31.5	96.6	96.6	7.4	7.4	5.9		4		51				<0.2		0.8	
						10.1	0.4	188	19.3		8.0		31.5		96.6		7.4		6.0		5		50				<0.2		0.8	
C3	Cloudy	Moderate	05:07	11.2	Surface	1.0	0.4	79	18.5	18.5	8.0	8.0	31.6	31.6	90.0	90.0	7.0	7.0	1.4	2.9	2	3	47	48	822092	817819	<0.2	<0.2	1.3	1.3
						1.0	0.4	78	18.5		8.0		31.6		90.0		7.0		1.4		3		46				<0.2		1.2	
					Middle	5.6	0.3	58	18.6	18.6	8.0	8.0	31.7	31.7	89.3	89.3	6.9		2.0		2		48				<0.2		1.4	
						5.6	0.3	64	18.6		8.0		31.7		89.3		6.9		2.0		3		48				<0.2		1.3	
					Bottom	10.2	0.4	48	18.6	18.6	8.0	8.0	31.8	31.8	89.2	89.3	6.9	6.9	5.1		2		50				<0.2		1.3	
						10.2	0.4	49	18.6		8.0		31.8		89.3		6.9		5.4		3		51				<0.2		1.2	
IM1	Cloudy	Moderate	05:45	6.1	Surface	1.0	0.4	195	19.0	19.0	8.1	8.1	32.0	32.0	100.4	100.4	7.7	7.7	3.8	4.5	6	6	45	47	818345	806451	<0.2	<0.2	1.2	1.1
						1.0	0.4	196	19.0		8.1		32.0		100.4		7.7		3.8		5		45				<0.2		1.1	
					Middle	3.1	0.5	199	19.0	19.0	8.1	8.1	32.0	32.0	100.4	100.4	7.7		3.7		6		46				<0.2		1.0	
						3.1	0.5	206	19.0		8.1		32.0		100.4		7.7		3.8		5		47				<0.2		1.0	
					Bottom	5.1	0.5	207	19.0	19.0	8.1	8.1	32.3	32.3	100.7	100.7	7.7	7.7	6.0		7		49				<0.2		1.1	
						5.1	0.5	214	19.0		8.1		32.3		100.7		7.7		6.0		6		49				<0.2		1.1	
IM2	Cloudy	Moderate	05:53	6.6	Surface	1.0	0.6	220	19.1	19.1	8.1	8.1	32.0	32.0	101.6	101.7	7.8	7.8	3.2	3.7	5	4	44	47	819189	806225	<0.2	<0.2	1.2	1.0
						1.0	0.6	223	19.1		8.1		32.0		101.7		7.8		3.2		4		45				<0.2		1.1	
					Middle	3.3	0.6	194	19.1	19.1	8.2	8.2	32.1	32.1	102.1	102.1	7.8		3.4		4		47				<0.2		1.1	
						3.3	0.6	193	19.1		8.2		32.1		102.1		7.8		3.5		4		47				<0.2		1.0	
					Bottom	5.6	0.6	202	19.1	19.1	8.2	8.2	32.1	32.1	102.0	102.0	7.8	7.8	4.5		3		49				<0.2		0.9	
						5.6	0.6	200	19.1		8.2		32.1		102.0		7.8		4.6		3		50				<0.2		0.9	
IM7	Cloudy	Moderate	06:16	7.7	Surface	1.0	0.5	207	19.3	19.3	8.1	8.1	31.3	31.3	100.0	100.1	7.7	7.7	3.8	5.1	6	6	44	47	821337	806844	<0.2	0.2	1.2	1.1
						1.0	0.5	212	19.3		8.1		31.3		100.1		7.7		3.7		6		44				<0.2		1.1	
					Middle	3.9	0.4	196	19.2	19.2	8.1	8.1	31.3	31.3	100.0	100.1	7.7		4.6		7		47				0.2		1.2	
						3.9	0.5	195	19.2		8.1		31.3		100.1		7.7		4.6		6		47				0.2		1.1	
					Bottom	6.7	0.4	190	19.2	19.2	8.1	8.1	31.3	31.3	100.2	100.2	7.7	7.7	6.8		5		48				<0.2		1.1	
						6.7	0.4	197	19.2		8.1		31.4		100.2		7.7		6.8		6		49				<0.2		1.1	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Monitoring at IM3, IM4, IM5, IM6, IM8, IM9, SR5A, SR6A, SR7 were terminated after 25 January 2022.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 January 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	06:47	6.5	Surface	1.0	0.3	141	18.7	18.7	8.1	8.1	30.5	30.5	93.1	93.1	7.3	7.3	1.8	2.0	3	5	47	49	822252	809840	<0.2	<0.2	1.2	1.2
						1.0	0.3	135	18.6		8.1		30.5		93.1		7.3		1.7		3		46				<0.2		1.2	
					Middle	3.3	0.3	143	18.6	18.6	8.1	8.1	30.5	30.5	93.1	93.1	7.3		1.9		5		48				<0.2		1.2	
						3.3	0.4	136	18.6		8.1		30.5		93.1		7.3		1.9		4		49				<0.2		1.1	
					Bottom	5.5	0.3	160	18.6	18.6	8.1	8.1	30.5	30.5	94.3	94.5	7.4	7.4	2.4		6		52				<0.2		1.3	
						5.5	0.3	167	18.6		8.1		30.5		94.6		7.4		2.3		7		51				<0.2		1.3	
IM11	Cloudy	Moderate	06:39	7.1	Surface	1.0	0.3	121	18.6	18.6	8.1	8.1	30.6	30.6	92.6	92.6	7.2	7.2	1.7	3.1	3	3	46	49	821506	810556	<0.2	<0.2	1.3	1.3
						1.0	0.2	113	18.6		8.1		30.6		92.6		7.2		1.7		4		45				<0.2		1.3	
					Middle	3.6	0.3	121	18.6	18.6	8.1	8.1	30.6	30.6	92.5	92.5	7.2		1.4		3		48				<0.2		1.2	
						3.6	0.3	114	18.6		8.1		30.6		92.5		7.2		1.4		3		49				<0.2		1.3	
					Bottom	6.1	0.3	141	18.6	18.6	8.1	8.1	30.7	30.7	92.5	92.6	7.2	7.2	6.1		3		51				<0.2		1.2	
						6.1	0.3	141	18.6		8.1		30.7		92.6		7.2		6.2		3		52				<0.2		1.3	
IM12	Cloudy	Moderate	06:30	8.0	Surface	1.0	0.3	117	18.6	18.6	8.1	8.1	30.6	30.6	92.8	92.8	7.2	7.2	1.5	2.0	4	4	46	48	821159	811532	<0.2	<0.2	1.2	1.2
						1.0	0.3	109	18.6		8.1		30.6		92.8		7.2		1.6		5		47				<0.2		1.2	
					Middle	4.0	0.4	108	18.6	18.6	8.1	8.1	30.7	30.7	92.7	92.7	7.2		1.8		5		48				<0.2		1.2	
						4.0	0.4	105	18.6		8.1		30.7		92.7		7.2		1.9		4		47				<0.2		1.1	
					Bottom	7.0	0.4	110	18.6	18.6	8.1	8.1	30.7	30.7	92.7	92.7	7.2	7.2	2.5		3		51				<0.2		1.3	
						7.0	0.5	109	18.6		8.1		30.7		92.7		7.2		2.7		3		50				<0.2		1.2	
SR1A	Cloudy	Moderate	05:53	5.1	Surface	1.0	0.0	85	18.6	18.6	8.1	8.1	31.0	31.0	91.7	91.7	7.1	7.1	1.7	3.1	3	4	-	-	819971	812657	-	-	-	-
						1.0	0.0	81	18.6		8.1		31.0		91.7		7.1		1.7		4		-				-		-	
					Middle	2.6	0.0	96	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	0.1	99	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	70	18.7	18.7	8.1	8.1	31.2	31.2	92.5	92.6	7.2	7.2	4.4		5		-				-		-	
						4.1	-	68	18.7		8.1		31.2		92.7		7.2		4.7		4		-				-		-	
SR2	Cloudy	Moderate	05:36	4.2	Surface	1.0	0.5	41	18.6	18.6	8.1	8.1	31.0	31.0	92.3	92.4	7.2	7.2	2.8	3.1	2	3	48	47	821451	814186	<0.2	<0.2	1.2	1.2
						1.0	0.5	39	18.6		8.1		31.0		92.4		7.2		2.9		2		47				<0.2		1.2	
					Middle	-	0.6	18	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.6	21	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.6	43	18.6	18.6	8.1	8.1	31.0	31.0	94.0	94.2	7.3	7.3	3.3		3		47				<0.2		1.0	
						3.2	0.6	40	18.6		8.1		31.0		94.4		7.3		3.3		3		47				<0.2		1.2	
SR3	Cloudy	Moderate	06:26	8.4	Surface	1.0	0.5	193	19.5	19.5	8.0	8.0	30.6	30.6	101.3	101.3	7.8	7.8	2.6	4.4	3	3	-	-	822147	807558	-	-	-	-
						1.0	0.5	191	19.5		8.0		30.6		101.2		7.8		2.6		4		-				-		-	
					Middle	4.2	0.4	200	19.4	19.4	8.1	8.1	31.1	31.1	99.9	99.9	7.7		3.3		3		-				-		-	
						4.2	0.5	199	19.4		8.1		31.1		99.9		7.7		3.3		2		-				-		-	
					Bottom	7.4	0.5	177	19.3	19.3	8.1	8.1	31.3	31.3	99.6	99.6	7.6	7.6	7.2		<2		-				-		-	
						7.4	0.5	179	19.3		8.1		31.3		99.6		7.6		7.3		<2		-				-		-	
SR4A	Cloudy	Calm	05:04	9.0	Surface	1.0	0.0	46	19.0	19.0	8.1	8.1	32.1	32.1	101.4	101.4	7.8	7.8	4.1	4.3	7	6	-	-	817203	807799	-	-	-	-
						1.0	0.0	40	19.0		8.1		32.1		101.4		7.8		4.1		6		-				-		-	
					Middle	4.5	0.1	30	19.1	19.1	8.0	8.0	32.0	32.0	101.2	101.2	7.8		4.0		6		-				-		-	
						4.5	0.1	32	19.1		8.0		32.0		101.2		7.8		4.0		5		-				-		-	
					Bottom	8.0	0.0	35	19.0	19.0	8.0	8.0	32.1	32.1	101.3	101.3	7.8	7.8	4.8		5		-				-		-	
						8.0	0.1	36	19.0		8.0		32.1		101.3		7.8		4.8		6		-				-		-	
SR8	Cloudy	Moderate	06:16	4.0	Surface	1.0	-	-	18.9	19.0	8.2	8.2	30.8	30.8	89.0	88.8	6.9	6.9	2.9	6.5	<2	3	-	-	820394	811623	-	-	-	-
						1.0	-	-	19.0		8.2		30.8		88.5		6.8		3.0		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	18.8	18.8	8.4	8.4	30.6	30.5	82.1	80.2	6.4	6.3	10.1		3		-				-		-	
						3.0	-	-	18.8		8.4		30.5		78.2		6.1		10.2		3		-				-		-	

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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 January 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	11:51	8.0	Surface	1.0	0.4	33	18.9	18.9	8.1	8.1	32.1	32.1	102.1	102.1	7.8	7.8	4.5	5.5	5	6	46	49	815598	804240	<0.2	<0.2	0.8	0.9
						1.0	0.4	25	18.9		8.1		32.1		102.1		7.8		4.6		5		46				<0.2		0.9	
					Middle	4.0	0.4	34	18.9	18.9	8.1	8.1	32.1	32.1	102.0	102.0	7.8		4.5		5		48				<0.2		0.7	
						4.0	0.3	32	18.9		8.1		32.1		101.9		7.8		4.6		6		49				<0.2		0.9	
					Bottom	7.0	0.4	59	18.9	18.9	8.1	8.1	32.3	32.2	101.7	101.7	7.8	7.8	7.2		6		51				<0.2		1.1	
						7.0	0.4	61	18.9		8.1		32.2		101.7		7.8		7.4		6		51				<0.2		1.1	
C2	Cloudy	Moderate	10:37	11.6	Surface	1.0	0.4	350	19.3	19.3	8.0	8.0	30.1	30.1	99.0	99.0	7.6	7.6	2.4	3.5	<2	3	46	48	825666	806957	<0.2	<0.2	1.5	1.5
						1.0	0.4	351	19.3		8.0		30.1		98.9		7.6		2.4		<2		45				<0.2		1.4	
					Middle	5.8	0.5	334	19.4	19.4	8.0	8.0	31.2	31.2	97.6	97.6	7.5		2.6		2		49				<0.2		1.4	
						5.8	0.5	334	19.3		8.0		31.2		97.6		7.5		2.6		3		48				<0.2		1.5	
					Bottom	10.6	0.4	0	19.3	19.3	8.1	8.1	31.6	31.6	96.4	96.4	7.4	7.4	5.6		3		51				<0.2		1.5	
						10.6	0.4	6	19.3		8.1		31.6		96.4		7.4		5.6		3		51				<0.2		1.4	
C3	Cloudy	Moderate	12:01	11.6	Surface	1.0	0.4	252	18.6	18.6	8.1	8.1	31.5	31.6	89.1	89.0	6.9	6.9	0.6	1.9	3	4	48	49	822089	817807	<0.2	<0.2	1.1	1.2
						1.0	0.3	252	18.6		8.1		31.6		88.8		6.9		0.7		3		47				<0.2		1.1	
					Middle	5.8	0.3	243	18.6	18.6	8.1	8.1	32.0	32.0	87.6	87.6	6.8		2.0		4		48				<0.2		1.3	
						5.8	0.3	247	18.6		8.1		32.0		87.5		6.8		2.0		5		49				<0.2		1.3	
					Bottom	10.6	0.3	253	18.6	18.6	8.1	8.1	32.0	32.0	88.4	88.4	6.8	6.8	3.0		4		53				<0.2		1.1	
						10.6	0.3	246	18.6		8.1		32.0		88.4		6.8		2.9		5		51				<0.2		1.2	
IM1	Cloudy	Moderate	11:31	6.7	Surface	1.0	0.3	30	19.0	19.0	8.1	8.1	32.0	32.0	101.8	101.8	7.8	7.8	4.8	5.3	4	4	45	48	819196	806247	<0.2	<0.2	0.9	1.0
						1.0	0.3	36	19.0		8.1		32.0		101.8		7.8		4.8		4		46				<0.2		0.9	
					Middle	3.4	0.3	4	19.0	19.0	8.1	8.1	32.0	32.0	101.4	101.4	7.8		5.6		4		47				<0.2		1.1	
						3.4	0.3	-	19.0		8.1		32.0		101.4		7.8		5.6		4		48				<0.2		1.0	
					Bottom	5.7	0.3	356	19.1	19.1	8.1	8.1	32.0	32.0	101.5	101.5	7.8	7.8	5.3		4		49				<0.2		0.9	
						5.7	0.3	356	19.1		8.1		32.0		101.5		7.8		5.3		5		50				<0.2		1.0	
IM2	Cloudy	Moderate	11:24	7.2	Surface	1.0	0.3	16	19.1	19.1	8.1	8.1	31.7	31.7	101.9	101.9	7.8	7.8	3.6	4.7	3	3	45	47	819185	806225	<0.2	<0.2	1.4	1.4
						1.0	0.3	15	19.1		8.1		31.8		101.9		7.8		3.7		2		44				<0.2		1.5	
					Middle	3.6	0.3	34	19.1	19.1	8.1	8.1	32.0	32.0	101.8	101.8	7.8		4.3		3		48				<0.2		1.4	
						3.6	0.3	31	19.1		8.1		32.0		101.8		7.8		4.3		4		47				<0.2		1.4	
					Bottom	6.2	0.4	17	19.1	19.1	8.1	8.1	32.1	32.1	101.3	101.3	7.8	7.8	6.0		4		50				<0.2		1.4	
						6.2	0.4	12	19.1		8.1		32.1		101.3		7.8		6.2		4		50				<0.2		1.4	
IM7	Cloudy	Moderate	11:03	7.9	Surface	1.0	0.2	17	19.5	19.5	8.1	8.1	30.8	30.8	101.5	101.5	7.8	7.8	2.6	3.1	3	3	45	47	821345	806824	<0.2	<0.2	1.9	1.7
						1.0	0.3	13	19.5		8.1		30.8		101.5		7.8		2.6		2		45				<0.2		1.8	
					Middle	4.0	0.3	9	19.3	19.3	8.1	8.1	31.2	31.2	100.8	100.8	7.7		3.2		4		47				<0.2		1.6	
						4.0	0.3	6	19.3		8.1		31.2		100.8		7.7		3.2		3		48				<0.2		1.7	
					Bottom	6.9	0.2	350	19.3	19.3	8.1	8.1	31.3	31.3	100.6	100.6	7.7	7.7	3.4		3		50				<0.2		1.6	
						6.9	0.2	345	19.3		8.1		31.3		100.6		7.7		3.4		4		49				<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 25 January 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	10:37	7.4	Surface	1.0	0.4	284	18.8	18.8	8.2	8.2	30.5	30.5	93.5	93.5	7.3	7.3	1.0	1.5	3	2	44	49	822258	809839	<0.2	<0.2	1.3	1.3
						1.0	0.4	283	18.8		8.2		30.5		93.5		7.3		1.0		2		45				<0.2		1.2	
					Middle	3.7	0.4	304	18.6	18.6	8.2	8.2	30.6	30.6	92.6	92.6	7.2		1.7		2		49				<0.2		1.3	
						3.7	0.3	298	18.6		8.2		30.6		92.6		7.2		1.7		2		50				<0.2		1.2	
					Bottom	6.4	0.4	295	18.6	18.6	8.2	8.2	30.6	30.6	92.5	92.5	7.2	7.2	1.8		<2		52				<0.2		1.3	
						6.4	0.3	300	18.6		8.2		30.6		92.5		7.2		1.8		<2		51				<0.2		1.3	
IM11	Cloudy	Moderate	10:43	7.4	Surface	1.0	0.4	291	18.7	18.7	8.2	8.2	30.6	30.6	93.3	93.3	7.3	7.3	1.0	1.6	4	3	45	49	821483	810531	<0.2	<0.2	1.2	1.2
						1.0	0.4	290	18.7		8.2		30.6		93.2		7.3		1.0		3		46				<0.2		1.2	
					Middle	3.7	0.5	299	18.6	18.6	8.2	8.2	30.6	30.6	92.9	92.9	7.2		1.3		2		48				<0.2		1.2	
						3.7	0.5	295	18.6		8.2		30.6		92.9		7.2		1.3		3		49				<0.2		1.1	
					Bottom	6.4	0.4	259	18.6	18.6	8.2	8.2	30.6	30.6	92.8	92.8	7.2	7.2	2.5		3		51				<0.2		1.1	
						6.4	0.5	258	18.6		8.2		30.6		92.7		7.2		2.6		3		52				<0.2		1.1	
IM12	Cloudy	Moderate	10:52	8.0	Surface	1.0	0.4	295	18.6	18.6	8.2	8.2	30.8	30.8	91.6	91.6	7.1	7.1	3.9	7.8	3	3	44	48	821164	811497	<0.2	<0.2	1.3	1.2
						1.0	0.4	301	18.6		8.2		30.8		91.5		7.1		4.0		3		45				<0.2		1.3	
					Middle	4.0	0.5	292	18.6	18.6	8.2	8.2	30.8	30.8	91.5	91.5	7.1		8.2		2		47				<0.2		1.2	
						4.0	0.5	294	18.6		8.2		30.8		91.5		7.1		8.5		3		48				<0.2		1.1	
					Bottom	7.0	0.5	274	18.6	18.6	8.2	8.2	30.8	30.8	91.6	91.6	7.1	7.1	11.1		2		51				<0.2		1.2	
						7.0	0.5	272	18.6		8.2		30.8		91.6		7.1		11.4		2		50				<0.2		1.1	
SR1A	Cloudy	Moderate	11:22	4.3	Surface	1.0	0.1	202	18.7	18.7	8.1	8.1	31.1	31.1	91.9	92.0	7.1	7.1	2.0	2.0	3	3	-	-	819977	812661	-	-	-	-
						1.0	0.0	198	18.7		8.1		31.1		92.0		7.1		2.0		2		-				-		-	
					Middle	2.2	0.0	195	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	0.0	189	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	186	18.8	18.8	8.1	8.1	31.1	31.1	93.3	93.4	7.2	7.2	2.1		3		-				-		-	
						3.3	0.0	181	18.8		8.1		31.1		93.5		7.2		2.0		2		-				-		-	
SR2	Cloudy	Moderate	11:37	4.5	Surface	1.0	0.0	247	18.7	18.7	8.1	8.1	31.0	31.0	92.9	93.0	7.2	7.2	1.8	1.7	2	2	48	50	821457	814174	<0.2	<0.2	1.3	1.2
						1.0	0.1	247	18.7		8.1		31.0		93.0		7.2		1.8		2		48				<0.2		1.3	
					Middle	-	0.1	272	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	271	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	264	18.7	18.7	8.1	8.1	30.9	30.9	93.4	93.5	7.3	7.3	1.6		2		52				<0.2		1.1	
						3.5	0.0	265	18.7		8.1		30.9		93.6		7.3		1.6		2		52				<0.2		1.1	
SR3	Cloudy	Moderate	10:56	8.5	Surface	1.0	0.4	353	19.5	19.5	8.1	8.1	30.9	30.9	101.3	101.3	7.7	7.7	3.2	4.2	<2	2	-	-	822139	807552	-	-	-	-
						1.0	0.3	348	19.5		8.1		30.9		101.3		7.7		3.2		<2		-				-		-	
					Middle	4.3	0.4	349	19.4	19.4	8.1	8.1	31.1	31.1	100.5	100.5	7.7		4.0		2		-				-		-	
						4.3	0.4	351	19.4		8.1		31.1		100.5		7.7		4.0		2		-				-		-	
					Bottom	7.5	0.4	327	19.4	19.4	8.1	8.1	31.2	31.2	99.9	100.0	7.7	7.7	5.3		3		-				-		-	
						7.5	0.4	329	19.4		8.1		31.2		100.0		7.7		5.5		2		-				-		-	
SR4A	Cloudy	Calm	12:10	9.1	Surface	1.0	0.0	149	19.2	19.2	8.1	8.1	32.0	32.0	100.4	100.4	7.7	7.7	4.0	4.0	6	5	-	-	817180	807791	-	-	-	-
						1.0	0.1	142	19.2		8.1		32.0		100.4		7.7		4.0		7		-				-		-	
					Middle	4.6	0.0	136	19.2	19.2	8.1	8.1	32.0	32.0	100.0	100.0	7.6		4.0		6		-				-		-	
						4.6	0.1	137	19.2		8.1		32.0		100.0		7.6		4.0		5		-				-		-	
					Bottom	8.1	0.0	151	19.2	19.2	8.1	8.1	32.0	32.0	99.9	99.9	7.6	7.6	3.9		3		-				-		-	
						8.1	0.0	143	19.2		8.1		32.0		99.9		7.6		4.0		4		-				-		-	
SR8	Cloudy	Moderate	10:58	4.0	Surface	1.0	-	-	18.8	18.8	8.3	8.3	30.6	30.6	92.2	92.1	7.2	7.2	7.8	7.4	2	2	-	-	820413	811611	-	-	-	-
						1.0	-	-	18.8		8.3		30.6		92.0		7.2		8.7		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	18.7	18.7	8.3	8.3	30.5	30.5	90.6	90.5	7.0	7.0	6.4		3		-				-		-	
						3.0	-	-	18.7		8.3		30.5		90.4		7.0		6.5		2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 January 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	07:27	8.3	Surface	1.0	0.3	213	19.0	19.0	8.1	8.1	32.5	32.5	103.3	103.3	7.9	7.9	3.7	5.3	3	3	48	50	815638	804252	<0.2	<0.2	1.5	1.5
						1.0	0.3	208	19.0		8.1		32.5		103.2		7.9		3.8		3		47				<0.2		1.4	
					Middle	4.2	0.3	196	19.0	19.0	8.1	8.1	32.7	32.7	102.6	102.6	7.8		4.9		3		49				<0.2		1.6	
						4.2	0.3	201	19.0		8.1		32.7		102.6		7.8		4.9		2		50				<0.2		1.4	
					Bottom	7.3	0.3	231	19.0	19.0	8.1	8.1	32.8	32.7	103.5	103.7	7.9	7.9	6.9		2		52				<0.2		1.5	
						7.3	0.3	233	19.0		8.1		32.7		103.8		7.9		7.8		2		52				<0.2		1.6	
C2	Cloudy	Moderate	08:50	11.2	Surface	1.0	0.2	169	19.4	19.4	8.0	8.0	31.5	31.6	97.3	97.2	7.4	7.4	2.4	2.6	<2	2	52	78	825686	806922	<0.2	<0.2	1.0	1.0
						1.0	0.3	164	19.4		8.0		31.6		97.1		7.4		2.4		<2		52				<0.2		0.9	
					Middle	5.6	0.2	183	19.4	19.4	8.0	8.0	32.1	32.1	96.1	96.1	7.3		2.4		2		91				<0.2		0.9	
						5.6	0.2	184	19.4		8.0		32.1		96.0		7.3		2.5		2		91				<0.2		1.0	
					Bottom	10.2	0.2	162	19.3	19.3	8.1	8.1	32.3	32.3	96.0	96.1	7.3	7.3	2.8		3		90				<0.2		1.0	
						10.2	0.2	166	19.3		8.1		32.3		96.1		7.3		2.8		3		90				<0.2		1.0	
C3	Misty	Calm	07:53	12.0	Surface	1.0	0.1	15	18.7	18.7	8.0	8.0	31.7	31.7	89.7	89.7	6.9	6.9	1.1	1.2	<2	2	44	72	822087	817820	<0.2	<0.2	1.2	1.2
						1.0	0.0	12	18.7		8.0		31.7		89.7		6.9		1.1		<2		44				<0.2		1.3	
					Middle	6.0	0.1	15	18.7	18.7	8.0	8.0	31.9	31.9	88.1	88.1	6.8		1.1		2		86				<0.2		1.3	
						6.0	0.1	16	18.7		8.0		31.9		88.0		6.8		1.1		2		86				<0.2		1.1	
					Bottom	11.0	0.1	5	18.6	18.7	8.0	8.0	32.0	32.0	89.3	89.5	6.9	6.9	1.3		2		86				<0.2		1.1	
						11.0	0.1	7	18.7		8.0		32.0		89.6		6.9		1.3		3		86				<0.2		1.2	
IM1	Cloudy	Moderate	07:47	6.5	Surface	1.0	0.3	182	19.2	19.2	8.1	8.1	32.2	32.2	103.5	103.5	7.9	7.9	3.8	6.6	3	3	47	49	818335	806444	<0.2	<0.2	0.9	0.9
						1.0	0.3	189	19.2		8.1		32.3		103.4		7.9		3.9		3		46				<0.2		0.8	
					Middle	-	0.3	185	-	-	-	-	-	-	-	-	-		-		3		-				<0.2		1.0	
						-	0.3	182	-		-		-		-		-		-		3		-				<0.2		0.8	
					Bottom	5.5	0.3	197	19.1	19.1	8.1	8.1	32.4	32.4	102.1	102.2	7.8	7.8	9.1		3		50				<0.2		0.9	
						5.5	0.3	192	19.1		8.1		32.4		102.2		7.8		9.6		2		51				<0.2		0.8	
IM2	Cloudy	Moderate	07:53	7.4	Surface	1.0	0.3	202	19.2	19.2	8.1	8.1	32.2	32.2	103.3	103.3	7.9	7.9	3.7	4.6	3	3	46	48	819178	806224	<0.2	<0.2	0.8	0.9
						1.0	0.3	194	19.2		8.1		32.3		103.3		7.9		3.8		4		46				<0.2		0.8	
					Middle	3.7	0.3	205	19.1	19.1	8.1	8.1	32.3	32.3	102.3	102.3	7.8		4.0		3		47				<0.2		0.8	
						3.7	0.4	207	19.1		8.1		32.4		102.3		7.8		4.2		3		49				<0.2		0.9	
					Bottom	6.4	0.4	239	19.1	19.1	8.1	8.1	32.5	32.5	101.7	101.7	7.8	7.8	5.9		3		50				<0.2		1.1	
						6.4	0.4	240	19.1		8.1		32.5		101.7		7.8		6.0		3		50				<0.2		1.0	
IM7	Cloudy	Moderate	08:22	8.0	Surface	1.0	0.3	228	19.5	19.5	8.1	8.1	31.2	31.2	102.2	102.2	7.8	7.8	2.2	3.9	4	3	46	48	821356	806846	<0.2	<0.2	0.9	1.1
						1.0	0.3	227	19.5		8.1		31.2		102.1		7.8		2.2		4		46				<0.2		0.8	
					Middle	4.0	0.3	231	19.3	19.3	8.1	8.1	31.8	31.8	100.2	100.2	7.7		3.3		3		48				<0.2		0.9	
						4.0	0.3	236	19.3		8.1		31.8		100.2		7.7		3.5		3		48				<0.2		1.0	
					Bottom	7.0	0.3	243	19.2	19.2	8.1	8.1	32.1	32.1	100.0	100.0	7.6	7.6	6.1		<2		50				<0.2		1.4	
						7.0	0.3	249	19.2		8.1		32.1		100.0		7.6		6.1		<2		50				<0.2		1.3	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 January 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	Calm	09:22	7.4	Surface	1.0	0.1	240	18.8	18.8	8.2	8.2	30.9	30.9	93.9	93.9	7.3	7.3	1.0	2.2	4	4	49	75	822238	809819	<0.2	<0.2	1.3	1.4
						1.0	0.1	243	18.8		8.2		30.9		93.8		7.3		1.0		4		49				<0.2		1.4	
					Middle	3.7	0.1	250	18.7	18.7	8.2	8.2	31.0	31.0	93.7	93.7	7.3		2.2		4		86				<0.2		1.3	
						3.7	0.2	252	18.7		8.2		31.0		93.7		7.3		2.4		4		86				<0.2		1.3	
					Bottom	6.4	0.2	256	18.7	18.7	8.2	8.2	31.0	31.0	95.4	95.5	7.4	7.4	3.2		3		89				<0.2		1.4	
						6.4	0.2	251	18.7		8.2		31.0		95.6		7.4		3.2		3		89				<0.2		1.4	
IM11	Misty	Calm	09:14	7.6	Surface	1.0	0.1	261	18.7	18.7	8.2	8.2	31.0	31.0	94.3	94.3	7.3	7.3	1.0	1.4	3	3	52	76	821504	810554	<0.2	<0.2	1.3	1.1
						1.0	0.1	256	18.7		8.2		31.0		94.3		7.3		1.0		3		52				<0.2		1.2	
					Middle	3.8	0.1	272	18.7	18.7	8.2	8.2	31.0	31.0	94.4	94.4	7.3		1.5		3		87				<0.2		1.1	
						3.8	0.2	273	18.7		8.2		31.0		94.4		7.3		1.6		3		87				<0.2		1.0	
					Bottom	6.6	0.1	236	18.5	18.5	8.1	8.1	31.1	31.2	95.2	96.7	7.4	7.5	1.8		3		90				<0.2		1.1	
						6.6	0.2	230	18.5		8.1		31.2		98.1		7.6		1.8		2		90				<0.2		1.1	
IM12	Misty	Calm	09:06	8.4	Surface	1.0	0.0	282	18.7	18.7	8.2	8.2	31.1	31.1	93.2	93.2	7.2	7.2	1.0	1.3	3	3	45	73	821178	811500	<0.2	<0.2	1.2	1.3
						1.0	0.0	284	18.7		8.2		31.1		93.1		7.2		1.0		3		46				<0.2		1.3	
					Middle	4.2	0.1	262	18.7	18.7	8.2	8.2	31.2	31.2	93.2	93.2	7.2		1.2		3		86				<0.2		1.3	
						4.2	0.1	260	18.7		8.2		31.2		93.2		7.2		1.2		3		86				<0.2		1.3	
					Bottom	7.4	0.1	280	18.7	18.7	8.2	8.2	31.2	31.2	93.7	93.8	7.3	7.3	1.8		2		87				<0.2		1.4	
						7.4	0.1	279	18.7		8.2		31.2		93.8		7.3		1.8		2		87				<0.2		1.3	
SR1A	Misty	Calm	08:31	5.0	Surface	1.0	0.1	178	18.8	18.8	8.1	8.1	31.3	31.3	92.1	92.2	7.1	7.1	1.1	1.4	2	3	-	-	819978	812655	-	-	-	-
						1.0	0.1	170	18.8		8.1		31.4		92.3		7.1		1.0		2		-				-		-	
					Middle	2.5	0.0	176	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	0.0	171	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	158	18.8	18.8	8.1	8.1	31.4	31.4	93.1	93.2	7.2	7.2	1.7		3		-				-		-	
						4.0	0.0	157	18.7		8.1		31.4		93.2		7.2		1.7		3		-				-		-	
SR2	Misty	Calm	08:17	5.0	Surface	1.0	0.1	20	18.7	18.7	8.2	8.2	31.4	31.4	93.7	93.7	7.3	7.3	1.1	1.2	3	3	43	65	821456	814179	<0.2	<0.2	1.4	1.5
						1.0	0.1	13	18.7		8.2		31.4		93.7		7.3		1.1		3		44				<0.2		1.6	
					Middle	-	0.1	37	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.2	39	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	30	18.5	18.5	8.2	8.2	31.6	31.6	98.2	98.3	7.6	7.6	1.3		<2		87				<0.2		1.4	
						4.0	0.2	25	18.5		8.2		31.6		98.4		7.6		1.4		<2		87				<0.2		1.6	
SR3	Cloudy	Moderate	08:30	8.4	Surface	1.0	0.3	171	19.5	19.5	8.0	8.0	31.0	31.0	102.3	102.3	7.8	7.8	2.2	2.6	3	2	-	-	822151	807561	-	-	-	-
						1.0	0.2	174	19.5		8.1		31.0		102.3		7.8		2.2		3		-				-		-	
					Middle	4.2	0.3	176	19.4	19.4	8.1	8.1	31.7	31.7	100.4	100.4	7.7		2.6		2		-				-		-	
						4.2	0.4	182	19.4		8.1		31.7		100.3		7.7		2.6		2		-				-		-	
					Bottom	7.4	0.3	201	19.4	19.4	8.1	8.1	31.8	31.8	100.5	100.6	7.7	7.7	2.9		2		-				-		-	
						7.4	0.3	195	19.4		8.1		31.8		100.6		7.7		3.0		2		-				-		-	
SR4A	Cloudy	Moderate	07:08	8.7	Surface	1.0	0.0	315	19.2	19.2	8.0	8.0	32.2	32.2	103.8	103.8	7.9	7.9	3.5	3.6	3	4	-	-	817188	807821	-	-	-	-
						1.0	0.0	314	19.2		8.0		32.2		103.8		7.9		3.5		3		-				-		-	
					Middle	4.4	0.0	287	19.1	19.1	8.0	8.0	32.3	32.3	103.7	103.7	7.9		3.6		4		-				-		-	
						4.4	0.0	289	19.1		8.0		32.3		103.7		7.9		3.6		4		-				-		-	
					Bottom	7.7	0.0	309	19.1	19.1	8.0	8.0	32.2	32.2	103.6	103.6	7.9	7.9	3.6		4		-				-		-	
						7.7	0.0	310	19.1		8.0		32.2		103.6		7.9		3.6		4		-				-		-	
SR8	Misty	Calm	08:50	5.0	Surface	1.0	-	-	18.9	18.9	8.2	8.2	31.3	31.3	94.1	94.1	7.3	7.3	1.5	1.9	7	8	-	-	820410	811624	-	-	-	-
						1.0	-	-	18.8		8.2		31.3		94.1		7.3		1.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	18.7	18.7	8.2	8.2	31.4	31.4	94.5	94.6	7.3	7.3	2.2		9		-				-		-	
						4.0	-	-	18.7		8.2		31.4		94.6		7.3		2.2		9		-				-		-	

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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 January 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	13:22	8.2	Surface	1.0	0.3	42	19.0	19.0	8.1	8.1	32.8	32.8	102.7	102.7	7.8	7.8	5.7	9.5	3	3	47	49	815616	804259	<0.2	<0.2	1.3	1.5
						1.0	0.3	34	19.0		8.1		32.8		102.6		7.8		5.8		3		46				<0.2		1.4	
					Middle	4.1	0.3	49	18.9	18.9	8.1	8.1	33.0	33.0	102.0	102.0	7.8		7.5		3		47				<0.2		1.5	
						4.1	0.3	55	18.9		8.1		33.1		102.0		7.8		7.8		3		49				<0.2		1.6	
					Bottom	7.2	0.4	39	18.9	18.9	8.1	8.1	33.1	33.1	102.9	103.0	7.9	7.9	15.2		3		52				<0.2		1.6	
						7.2	0.4	35	18.9		8.1		33.0		103.0		7.9		15.2		3		51				<0.2		1.7	
C2	Cloudy	Moderate	12:09	11.6	Surface	1.0	0.4	345	19.6	19.6	8.1	8.1	30.9	30.9	104.4	104.4	8.0	7.7	2.1	2.7	4	3	47	74	825689	806939	<0.2	0.2	0.8	0.9
						1.0	0.4	338	19.6		8.1		31.0		104.3		8.0		2.1		3		47				<0.2		0.8	
					Middle	5.8	0.4	358	19.4	19.4	8.1	8.1	32.0	32.0	96.9	96.8	7.4		2.3		3		82				<0.2		0.8	
						5.8	0.4	356	19.4		8.1		32.0		96.7		7.4		2.5		3		83				<0.2		0.8	
					Bottom	10.6	0.4	6	19.4	19.4	8.1	8.1	32.3	32.3	96.0	96.0	7.3	7.3	3.5		2		91				0.2		1.0	
						10.6	0.4	3	19.4		8.1		32.3		96.0		7.3		3.6		2		91				0.2		1.1	
C3	Misty	Calm	13:34	12.0	Surface	1.0	0.2	248	18.7	18.7	8.2	8.2	31.9	31.9	90.0	90.0	7.0	7.0	1.3	2.3	2	3	51	74	822132	817817	<0.2	<0.2	1.4	1.4
						1.0	0.3	244	18.7		8.2		31.9		89.9		6.9		1.2		2		51				<0.2		1.4	
					Middle	6.0	0.3	240	18.7	18.7	8.2	8.2	32.0	32.0	90.2	90.2	7.0		2.6		3		85				<0.2		1.4	
						6.0	0.3	234	18.7		8.2		32.0		90.2		7.0		2.7		2		85				<0.2		1.4	
					Bottom	11.0	0.3	241	19.1	19.2	8.2	8.2	31.7	31.7	91.3	91.5	7.0	7.0	3.1		4		87				<0.2		1.4	
						11.0	0.3	236	19.2		8.2		31.6		91.6		7.0		3.1		4		87				<0.2		1.5	
IM1	Cloudy	Moderate	13:04	6.9	Surface	1.0	0.2	4	19.3	19.3	8.1	8.1	32.3	32.3	107.8	107.8	8.2	8.2	2.9	6.1	5	3	46	68	819195	806219	<0.2	<0.2	1.4	1.3
						1.0	0.3	359	19.3		8.1		32.3		107.8		8.2		2.9		4		47				<0.2		1.3	
					Middle	-	0.3	23	-	-	-	-	-	-	-	-	-		-		3		-				<0.2		1.3	
						-	0.3	20	-		-		-		-		-		-		3		-				<0.2		1.5	
					Bottom	5.9	0.2	39	19.1	19.1	8.1	8.1	32.4	32.4	103.0	103.0	7.9	7.9	9.5		2		89				<0.2		1.2	
						5.9	0.2	45	19.1		8.1		32.4		103.0		7.9		9.2		2		89				<0.2		1.3	
IM2	Cloudy	Moderate	12:58	6.9	Surface	1.0	0.3	11	19.4	19.4	8.1	8.1	32.3	32.3	105.4	105.3	8.0	8.0	2.8	6.0	<2	<2	46	48	819174	806247	<0.2	<0.2	1.0	1.0
						1.0	0.2	12	19.4		8.1		32.3		105.2		8.0		2.9		<2		46				<0.2		1.0	
					Middle	3.5	0.2	18	19.2	19.2	8.1	8.1	32.4	32.4	103.7	103.7	7.9		5.1		<2		47				<0.2		1.0	
						3.5	0.3	23	19.1		8.1		32.4		103.7		7.9		5.1		<2		49				<0.2		1.0	
					Bottom	5.9	0.3	35	19.1	19.1	8.1	8.1	32.4	32.4	103.8	103.9	7.9	7.9	10.1		<2		50				<0.2		0.8	
						5.9	0.3	27	19.1		8.1		32.4		103.9		7.9		10.0		<2		50				<0.2		0.9	
IM7	Cloudy	Moderate	12:38	7.9	Surface	1.0	0.2	354	19.7	19.7	8.1	8.1	30.8	30.8	105.2	105.3	8.0	7.9	1.9	2.2	<2	<2	45	48	821344	806830	<0.2	<0.2	0.8	0.8
						1.0	0.3	351	19.7		8.1		30.8		105.3		8.0		1.9		<2		46				<0.2		0.8	
					Middle	4.0	0.2	5	19.5	19.5	8.1	8.1	31.4	31.4	102.6	102.5	7.8		2.2		<2		47				<0.2		0.8	
						4.0	0.2	2	19.5		8.1		31.4		102.4		7.8		2.2		<2		48				<0.2		0.8	
					Bottom	6.9	0.2	1	19.4	19.4	8.1	8.1	31.7	31.7	102.2	102.3	7.8	7.8	2.6		<2		50				<0.2		0.8	
						6.9	0.2	6	19.4		8.1		31.7		102.3		7.8		2.6		<2		50				<0.2		0.8	

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Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		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	Calm	12:18	8.4	Surface	1.0	0.4	278	18.9	18.9	8.2	8.2	30.7	30.7	95.3	95.3	7.4	7.4	1.1	1.2	<2	2	52	77	822249	809819	<0.2	<0.2	1.2	1.3
						1.0	0.4	279	18.9		8.2		30.7		95.2		7.4		1.0		<2		52				<0.2		1.3	
					Middle	4.2	0.3	296	18.8	18.8	8.2	8.2	30.8	30.8	94.3	94.3	7.3		1.2		<2		89				<0.2		1.3	
						4.2	0.4	294	18.8		8.2		30.8		94.2		7.3		1.2		<2		89				<0.2		1.4	
					Bottom	7.4	0.3	314	18.8	18.8	8.3	8.3	30.9	30.9	94.4	94.4	7.3	7.3	1.3		2		90				<0.2		1.4	
						7.4	0.3	312	18.8		8.3		30.9		94.4		7.3		1.2		2		90				<0.2		1.4	
IM11	Misty	Calm	12:26	8.2	Surface	1.0	0.4	295	18.8	18.8	8.2	8.2	30.9	30.9	95.1	95.0	7.4	7.4	1.8	2.7	3	2	62	75	821522	810549	<0.2	<0.2	1.3	1.3
						1.0	0.4	290	18.8		8.2		30.9		94.9		7.4		1.8		3		63				<0.2		1.4	
					Middle	4.1	0.3	288	18.8	18.8	8.2	8.2	30.9	30.9	94.5	94.5	7.3		2.5		2		78				<0.2		1.2	
						4.1	0.4	283	18.8		8.2		31.0		94.4		7.3		2.6		2		78				<0.2		1.3	
					Bottom	7.2	0.4	280	18.8	18.9	8.2	8.2	30.9	30.9	95.3	95.5	7.4	7.4	3.9		2		84				<0.2		1.4	
						7.2	0.4	273	18.9		8.2		30.9		95.6		7.4		3.9		2		85				<0.2		1.2	
IM12	Misty	Calm	12:33	8.6	Surface	1.0	0.3	293	18.8	18.8	8.2	8.2	31.1	31.1	94.2	94.2	7.3	7.3	1.1	1.8	<2	2	48	74	821181	811520	<0.2	<0.2	1.4	1.3
						1.0	0.3	296	18.8		8.2		31.1		94.2		7.3		1.2		<2		48				<0.2		1.3	
					Middle	4.3	0.3	264	18.8	18.8	8.2	8.2	31.1	31.1	94.6	94.6	7.3		1.9		2		86				<0.2		1.4	
						4.3	0.3	265	18.8		8.2		31.1		94.6		7.3		1.9		2		86				<0.2		1.5	
					Bottom	7.6	0.4	298	18.8	18.8	8.2	8.2	31.1	31.1	95.2	95.3	7.4	7.4	2.4		3		88				<0.2		1.2	
						7.6	0.4	295	18.8		8.2		31.1		95.3		7.4		2.3		3		88				<0.2		1.2	
SR1A	Misty	Calm	12:51	5.0	Surface	1.0	0.0	206	19.0	19.0	8.2	8.2	30.8	30.8	98.7	98.7	7.6	7.6	1.1	1.7	<2	<2	-	-	819975	812661	-	-	-	-
						1.0	0.1	204	19.0		8.2		30.8		98.6		7.6		1.1		<2		-				-		-	
					Middle	2.5	0.0	189	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	0.0	187	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	198	19.1	19.1	8.2	8.2	30.7	30.7	98.6	98.6	7.6	7.6	2.2		<2		-				-		-	
						4.0	0.1	200	19.1		8.2		30.7		98.5		7.6		2.2		<2		-				-		-	
SR2	Misty	Calm	13:10	5.2	Surface	1.0	0.0	269	18.9	18.9	8.2	8.2	31.4	31.4	95.8	95.9	7.4	7.4	5.4	5.7	2	2	74	83	821452	814175	<0.2	<0.2	1.4	1.3
						1.0	0.0	264	18.9		8.2		31.4		95.9		7.4		5.3		2		74				<0.2		1.3	
					Middle	-	0.1	242	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	243	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.0	240	19.1	19.1	8.2	8.2	31.3	31.3	97.2	97.4	7.5	7.5	6.0		2		92				<0.2		1.2	
						4.2	0.0	234	19.1		8.2		31.2		97.5		7.5		6.0		3		92				<0.2		1.4	
SR3	Cloudy	Moderate	12:31	8.4	Surface	1.0	0.3	332	19.7	19.7	8.1	8.1	30.9	30.9	108.4	108.4	8.3	8.1	2.0	2.2	2	2	-	-	822137	807585	-	-	-	-
						1.0	0.3	327	19.7		8.1		30.9		108.4		8.3		2.0		2		-				-		-	
					Middle	4.2	0.2	346	19.5	19.5	8.1	8.1	31.5	31.5	101.8	101.8	7.8		2.2		<2		-				-		-	
						4.2	0.2	343	19.5		8.1		31.5		101.8		7.8		2.3		<2		-				-		-	
					Bottom	7.4	0.3	347	19.5	19.5	8.1	8.1	31.6	31.6	101.6	101.7	7.7	7.8	2.5		<2		-				-		-	
						7.4	0.3	345	19.5		8.1		31.6		101.7		7.8		2.5		<2		-				-		-	
SR4A	Cloudy	Moderate	13:41	8.5	Surface	1.0	0.0	135	19.4	19.4	8.1	8.1	32.2	32.2	106.0	105.9	8.1	8.0	3.3	3.3	4	3	-	-	817203	807792	-	-	-	-
						1.0	0.0	137	19.4		8.1		32.2		105.8		8.0		3.3		3		-				-		-	
					Middle	4.3	-	120	19.3	19.3	8.1	8.1	32.2	32.2	103.9	103.9	7.9		3.3		2		-				-		-	
						4.3	0.0	116	19.3		8.1		32.3		103.9		7.9		3.3		<2		-				-		-	
					Bottom	7.5	0.1	125	19.3	19.3	8.1	8.1	32.3	32.3	104.1	104.2	7.9	7.9	3.3		2		-				-		-	
						7.5	0.1	120	19.3		8.1		32.3		104.2		7.9		3.2		2		-				-		-	
SR8	Misty	Calm	12:39	4.8	Surface	1.0	-	-	19.0	19.0	8.2	8.2	30.9	30.9	97.2	97.2	7.5	7.5	1.0	1.2	<2	<2	-	-	820395	811645	-	-	-	-
						1.0	-	-	19.0		8.2		30.9		97.1		7.5		1.0		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	19.1	19.1	8.2	8.2	30.8	30.8	97.3	97.4	7.5	7.5	1.5		<2		-				-		-	
						3.8	-	-	19.1		8.2		30.8		97.5		7.5		1.5		<2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 January 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	Calm	10:50	9.0	Surface	1.0	0.1	9	19.1	19.1	8.1	8.1	32.4	32.4	104.7	104.6	8.0	8.0	4.7	5.4	4	5	46	73	815605	804254	<0.2	<0.2	1.1	1.2
						1.0	0.1	14	19.0		8.1		32.5		104.5		8.0		4.7		5		45				<0.2		1.0	
					Middle	4.5	0.1	27	19.0	19.0	8.1	8.1	32.7	32.7	105.0	105.2	8.0		5.1		6		86				<0.2		1.2	
						4.5	0.1	34	19.0		8.1		32.7		105.3		8.0		5.0		5		86				<0.2		1.1	
					Bottom	8.0	0.1	11	18.8	18.8	8.1	8.1	32.9	32.9	105.8	105.9	8.1	8.1	6.4		5		87				<0.2		1.3	
						8.0	0.1	3	18.7		8.1		32.9		105.9		8.1		6.5		6		87				<0.2		1.2	
C2	Misty	Calm	12:04	12.2	Surface	1.0	0.1	327	19.5	19.5	8.0	8.0	32.1	32.1	100.6	100.6	7.6	7.6	1.5	2.6	6	5	44	71	825686	806929	<0.2	<0.2	1.2	1.1
						1.0	0.1	322	19.5		8.0		32.1		100.5		7.6		1.5		5		44				<0.2		1.2	
					Middle	6.1	0.1	353	19.6	19.7	8.0	8.0	32.1	32.1	100.8	100.9	7.6		2.5		5		78				<0.2		1.2	
						6.1	0.2	357	19.7		8.0		32.1		100.9		7.6		2.6		5		79				<0.2		1.2	
					Bottom	11.2	0.1	321	19.8	19.8	8.0	8.0	32.0	32.0	101.8	102.2	7.7	7.8	3.9		4		91				<0.2		1.0	
						11.2	0.2	325	19.8		8.0		32.0		102.6		7.8		3.9		3		91				<0.2		0.9	
C3	Cloudy	Moderate	09:53	11.4	Surface	1.0	0.1	261	18.6	18.6	8.0	8.0	32.1	32.1	86.3	86.3	6.7	6.7	0.5	2.3	3	4	50	50	822104	817811	<0.2	<0.2	1.4	1.5
						1.0	0.1	262	18.6		8.0		32.1		86.3		6.7		0.5		4		48				<0.2		1.5	
					Middle	5.7	0.1	256	18.6	18.6	8.0	8.0	32.1	32.1	86.1	86.1	6.6		0.6		5		51				<0.2		1.5	
						5.7	0.1	262	18.6		8.0		32.1		86.1		6.6		0.6		4		50				<0.2		1.5	
					Bottom	10.4	0.1	242	18.6	18.6	8.0	8.0	32.2	32.2	85.2	85.3	6.6	6.6	5.6		4		51				<0.2		1.5	
						10.4	0.1	240	18.6		8.0		32.2		85.3		6.6		5.9		5		52				<0.2		1.5	
IM1	Misty	Calm	11:09	6.8	Surface	1.0	0.0	16	19.2	19.2	8.1	8.1	32.3	32.3	104.3	104.3	8.0	8.0	6.4	7.3	3	3	52	77	818344	806473	<0.2	<0.2	0.9	0.9
						1.0	0.0	21	19.2		8.1		32.3		104.2		8.0		6.4		2		53				<0.2		0.9	
					Middle	3.4	0.0	16	19.2	19.2	8.1	8.1	32.4	32.4	103.7	103.7	7.9		7.3		2		87				<0.2		1.0	
						3.4	0.1	12	19.2		8.1		32.4		103.7		7.9		7.4		3		87				<0.2		1.0	
					Bottom	5.8	0.0	14	19.1	19.1	8.1	8.1	32.5	32.5	103.6	103.5	7.9	7.9	8.1		4		90				<0.2		0.9	
						5.8	0.1	18	19.1		8.1		32.5		103.4		7.9		8.1		5		90				<0.2		0.9	
IM2	Misty	Calm	11:16	7.8	Surface	1.0	0.0	262	19.3	19.3	8.1	8.1	32.2	32.2	104.3	104.3	8.0	8.0	2.0	3.5	4	5	49	75	819186	806231	<0.2	<0.2	0.9	1.1
						1.0	0.1	254	19.3		8.1		32.2		104.2		7.9		2.1		3		49				<0.2		1.0	
					Middle	3.9	-	284	19.3	19.3	8.1	8.1	32.2	32.2	104.3	104.4	8.0		3.5		6		87				<0.2		1.1	
						3.9	0.0	283	19.3		8.1		32.2		104.5		8.0		3.5		6		87				<0.2		1.0	
					Bottom	6.8	0.1	271	19.2	19.2	8.1	8.1	32.3	32.3	106.2	106.3	8.1	8.1	5.0		6		88				<0.2		1.2	
						6.8	0.0	264	19.2		8.1		32.3		106.4		8.1		5.0		6		89				<0.2		1.3	
IM7	Misty	Calm	11:37	8.8	Surface	1.0	0.1	278	19.5	19.5	8.1	8.1	31.4	31.4	104.7	104.6	8.0	8.0	2.2	3.5	7	5	53	79	821346	806857	<0.2	<0.2	1.2	1.2
						1.0	0.1	274	19.4		8.1		31.5		104.5		8.0		2.3		6		55				<0.2		1.2	
					Middle	4.4	0.1	278	19.3	19.3	8.1	8.1	32.0	32.0	103.5	103.5	7.9		3.4		5		91				<0.2		1.4	
						4.4	0.1	277	19.3		8.1		32.0		103.5		7.9		3.5		4		91				<0.2		1.2	
					Bottom	7.8	0.1	265	19.3	19.3	8.1	8.1	32.1	32.1	103.8	103.9	7.9	7.9	4.7		5		91				<0.2		1.1	
						7.8	0.1	266	19.3		8.1		32.1		104.0		7.9		4.8		4		91				<0.2		1.2	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Water Quality Monitoring
Water Quality Monitoring Results on 29 January 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	11:21	7.6	Surface	1.0	0.2	282	18.9	18.9	8.2	8.2	30.5	30.6	95.3	95.3	7.4	7.4	1.4	2.2	3	3	48	49	822221	809835	<0.2	<0.2	1.4	1.5
						1.0	0.2	288	18.8		8.2		30.6		95.2		7.4		1.6		4		47				<0.2		1.4	
					Middle	3.8	0.2	262	18.8	18.8	8.2	8.2	30.9	30.9	95.4	95.4	7.4		2.3		2		48				<0.2		1.5	
						3.8	0.2	255	18.8		8.2		30.9		95.4		7.4		2.3		2		49				<0.2		1.5	
					Bottom	6.6	0.2	264	18.8	18.8	8.2	8.2	30.9	30.9	96.6	96.6	7.5	7.5	2.6		2		50				<0.2		1.6	
						6.6	0.2	257	18.8		8.2		30.9		96.6		7.5		2.6		2		51				<0.2		1.6	
IM11	Cloudy	Moderate	11:11	8.3	Surface	1.0	0.2	273	18.9	18.9	8.2	8.2	30.9	30.9	93.6	93.6	7.3	7.3	0.7	0.7	<2	3	47	49	821500	810542	<0.2	<0.2	1.5	1.5
						1.0	0.2	266	18.9		8.2		30.9		93.6		7.3		0.8		<2		47				<0.2		1.5	
					Middle	4.2	0.3	294	18.8	18.8	8.2	8.2	31.2	31.2	93.9	93.9	7.3		0.5		3		48				<0.2		1.6	
						4.2	0.2	298	18.8		8.2		31.2		93.9		7.3		0.5		2		49				<0.2		1.7	
					Bottom	7.3	0.2	289	18.8	18.8	8.2	8.2	31.3	31.3	94.4	94.5	7.3	7.3	0.9		3		50				<0.2		1.4	
						7.3	0.2	295	18.8		8.2		31.3		94.5		7.3		1.0		3		50				<0.2		1.5	
IM12	Cloudy	Moderate	11:02	9.0	Surface	1.0	0.2	292	18.9	18.9	8.2	8.2	30.8	30.9	94.6	94.6	7.3	7.3	0.4	0.7	3	4	46	48	821150	811526	<0.2	<0.2	1.5	1.6
						1.0	0.2	289	18.8		8.2		30.9		94.5		7.3		0.4		4		46				<0.2		1.5	
					Middle	4.5	0.2	294	18.8	18.8	8.2	8.2	31.4	31.4	93.4	93.4	7.2		0.6		5		48				<0.2		1.7	
						4.5	0.2	292	18.8		8.2		31.4		93.3		7.2		0.6		4		48				<0.2		1.6	
					Bottom	8.0	0.2	296	18.8	18.8	8.2	8.2	31.4	31.4	93.5	93.6	7.2	7.2	1.2		4		48				<0.2		1.5	
						8.0	0.3	294	18.8		8.2		31.4		93.6		7.2		1.2		5		50				<0.2		1.5	
SR1A	Cloudy	Moderate	10:31	5.0	Surface	1.0	0.1	184	18.8	18.8	8.2	8.2	31.4	31.4	93.6	93.6	7.2	7.2	1.0	1.1	4	5	-	-	819972	812659	-	-	-	-
						1.0	0.1	189	18.8		8.2		31.4		93.6		7.2		1.0		5		-				-		-	
					Middle	2.5	0.0	180	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	0.1	185	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	190	18.7	18.7	8.1	8.1	31.4	31.4	95.2	95.3	7.4	7.4	1.2		5		-				-		-	
						4.0	0.1	190	18.7		8.1		31.4		95.4		7.4		1.1		5		-				-		-	
SR2	Cloudy	Moderate	10:16	5.1	Surface	1.0	0.0	250	18.8	18.8	8.1	8.1	31.4	31.4	93.6	93.6	7.2	7.2	0.6	0.5	2	3	47	48	821459	814159	<0.2	<0.2	1.5	1.5
						1.0	0.0	244	18.8		8.1		31.4		93.6		7.2		0.6		3		46				<0.2		1.5	
					Middle	-	0.0	244	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.0	248	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	238	18.7	18.7	8.1	8.1	31.5	31.5	94.8	95.0	7.3	7.4	0.4		3		49				<0.2		1.4	
						4.1	0.0	232	18.7		8.1		31.5		95.1		7.4		0.4		4		49				<0.2		1.4	
SR3	Misty	Calm	11:45	9.2	Surface	1.0	0.1	322	19.5	19.5	8.1	8.1	31.0	31.1	103.1	103.0	7.9	7.9	2.9	3.5	4	3	-	-	822159	807575	-	-	-	-
						1.0	0.1	327	19.5		8.1		31.1		102.9		7.9		2.9		3		-				-		-	
					Middle	4.6	0.0	305	19.4	19.4	8.1	8.1	31.7	31.7	102.3	102.3	7.8		3.3		2		-				-		-	
						4.6	0.1	305	19.4		8.1		31.7		102.3		7.8		3.3		3		-				-		-	
					Bottom	8.2	0.1	301	19.5	19.6	8.0	8.0	31.7	31.7	103.1	103.2	7.8	7.8	4.4		3		-				-		-	
						8.2	0.1	305	19.6		8.0		31.7		103.2		7.8		4.3		2		-				-		-	
SR4A	Misty	Calm	10:31	9.4	Surface	1.0	0.0	288	19.2	19.2	8.1	8.0	32.3	32.3	104.4	104.4	8.0	8.0	2.7	3.6	6	7	-	-	817205	807822	-	-	-	-
						1.0	0.1	293	19.2		8.0		32.3		104.3		8.0		2.8		7		-				-		-	
					Middle	4.7	0.0	292	19.2	19.2	8.0	8.0	32.3	32.3	104.4	104.4	8.0		3.1		7		-				-		-	
						4.7	0.0	292	19.2		8.0		32.3		104.4		8.0		3.1		7		-				-		-	
					Bottom	8.4	0.0	260	19.2	19.2	8.0	8.0	32.3	32.3	105.6	105.7	8.1	8.1	5.0		7		-				-		-	
						8.4	0.0	254	19.2		8.0		32.3		105.7		8.1		4.9		8		-				-		-	
SR8	Cloudy	Moderate	10:55	4.1	Surface	1.0	-	-	18.8	18.8	8.3	8.3	31.3	31.3	94.5	94.5	7.3	7.3	1.3	4.0	6	5	-	-	820402	811623	-	-	-	-
						1.0	-	-	18.8		8.3		31.3		94.5		7.3		2.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	18.8	18.8	8.3	8.3	31.3	31.3	95.6	95.7	7.4	7.4	6.1		5		-				-		-	
						3.1	-	-	18.8		8.3		31.3		95.8		7.4		6.5		5		-				-		-	

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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 January 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	Calm	15:12	8.6	Surface	1.0	0.3	30	19.2	19.2	8.1	8.1	32.3	32.3	108.7	108.6	8.3	8.2	6.2	6.9	6	4	51	75	815642	804240	<0.2	<0.2	1.0	1.0
						1.0	0.3	22	19.1		8.1		32.4		108.5		8.3		6.1		6		52				<0.2		0.9	
					Middle	4.3	0.3	24	19.0	19.1	8.1	8.1	32.7	32.7	104.2	104.3	8.0		7.1		3		85				<0.2		1.1	
						4.3	0.3	24	19.1		8.1		32.7		104.3		8.0		7.0		4		85				<0.2		1.0	
					Bottom	7.6	0.2	57	19.3	19.3	8.1	8.1	32.4	32.4	105.6	105.7	8.0	8.0	7.5		3		87				<0.2		1.0	
						7.6	0.2	59	19.3		8.1		32.3		105.8		8.0		7.6		4		87				<0.2		0.9	
C2	Misty	Calm	14:05	12.2	Surface	1.0	0.3	356	19.6	19.6	8.0	8.0	30.0	30.0	104.8	104.8	8.0	7.8	1.1	1.8	4	4	46	74	825689	806924	<0.2	<0.2	1.0	1.4
						1.0	0.2	3	19.6		8.0		30.0		104.7		8.0		1.1		4		46				<0.2		1.0	
					Middle	6.1	0.3	332	19.5	19.5	8.0	8.0	32.3	32.3	100.0	100.1	7.6		1.6		4		87				<0.2		1.6	
						6.1	0.3	333	19.5		8.0		32.2		100.1		7.6		1.6		5		87				<0.2		1.5	
					Bottom	11.2	0.3	349	19.6	19.6	8.0	8.0	32.1	32.1	101.7	102.0	7.7	7.8	2.8		5		90				<0.2		1.5	
						11.2	0.3	350	19.6		8.0		32.0		102.2		7.8		2.8		4		90				<0.2		1.6	
C3	Cloudy	Moderate	15:23	11.2	Surface	1.0	0.2	279	18.8	18.8	8.2	8.2	31.7	31.7	92.1	92.1	7.1	6.9	0.5	2.6	6	5	48	49	822105	817797	<0.2	<0.2	1.5	1.5
						1.0	0.2	281	18.8		8.2		31.7		92.1		7.1		0.5		7		47				<0.2		1.6	
					Middle	5.6	0.2	265	18.7	18.7	8.1	8.1	32.1	32.1	87.3	87.3	6.7		1.8		5		49				<0.2		1.5	
						5.6	0.2	266	18.7		8.1		32.1		87.3		6.7		1.9		4		48				<0.2		1.5	
					Bottom	10.2	0.2	283	18.6	18.6	8.1	8.1	32.1	32.1	87.9	88.0	6.8	6.8	5.8		4		51				<0.2		1.5	
						10.2	0.2	286	18.6		8.1		32.1		88.0		6.8		5.1		5		52				<0.2		1.5	
IM1	Misty	Calm	14:53	7.8	Surface	1.0	0.2	19	19.4	19.4	8.1	8.1	32.3	32.3	104.9	104.9	8.0	8.0	4.4	5.2	8	6	48	74	819170	806257	<0.2	<0.2	1.6	1.4
						1.0	0.2	26	19.4		8.1		32.3		104.8		8.0		4.5		7		48				<0.2		1.4	
					Middle	3.9	0.2	18	19.2	19.2	8.1	8.1	32.4	32.4	104.0	104.0	7.9		5.1		7		86				<0.2		1.0	
						3.9	0.2	10	19.2		8.1		32.4		103.9		7.9		5.2		7		86				<0.2		0.9	
					Bottom	6.8	0.2	24	19.4	19.4	8.0	8.0	32.3	32.2	103.2	103.2	7.8	7.8	6.1		4		88				<0.2		1.6	
						6.8	0.2	28	19.4		8.0		32.2		103.1		7.8		6.1		5		88				<0.2		1.6	
IM2	Misty	Calm	14:48	7.6	Surface	1.0	0.2	14	19.3	19.3	8.1	8.1	32.2	32.2	105.0	104.9	8.0	8.0	5.4	6.4	5	4	63	75	819165	806243	<0.2	<0.2	1.6	1.6
						1.0	0.2	9	19.3		8.1		32.2		104.8		8.0		5.4		4		62				<0.2		1.7	
					Middle	3.8	0.2	358	19.2	19.2	8.1	8.1	32.3	32.3	104.1	104.2	7.9		6.5		3		78				<0.2		1.6	
						3.8	0.2	356	19.2		8.1		32.3		104.3		8.0		6.7		4		79				<0.2		1.4	
					Bottom	6.6	0.2	23	19.5	19.6	8.1	8.1	32.1	32.1	106.0	106.1	8.0	8.1	7.3		3		85				<0.2		1.5	
						6.6	0.2	26	19.6		8.1		32.1		106.2		8.1		7.2		4		85				<0.2		1.6	
IM7	Misty	Calm	14:30	8.6	Surface	1.0	0.2	2	19.5	19.5	8.1	8.1	31.4	31.4	106.5	106.5	8.1	8.1	1.7	2.3	4	5	52	77	821359	806858	<0.2	<0.2	1.3	1.2
						1.0	0.1	6	19.5		8.1		31.4		106.4		8.1		1.7		5		52				<0.2		1.2	
					Middle	4.3	0.2	22	19.4	19.4	8.1	8.1	31.9	31.9	105.0	105.0	8.0		2.1		4		89				<0.2		1.4	
						4.3	0.2	16	19.4		8.1		31.9		104.9		8.0		2.0		5		89				<0.2		1.4	
					Bottom	7.6	0.1	5	19.7	19.7	8.1	8.0	31.8	31.7	104.2	104.3	7.9	7.9	3.2		5		90				<0.2		0.9	
						7.6	0.1	2	19.7		8.0		31.7		104.4		7.9		3.2		4		90				<0.2		1.0	

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Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		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	14:11	7.1	Surface	1.0	0.2	288	18.8	18.8	8.2	8.2	30.7	30.7	96.7	96.7	7.5	7.5	1.0	1.5	3	4	46	48	822246	809854	<0.2	<0.2	1.5	1.5
						1.0	0.2	287	18.8		8.2		30.7		96.6		7.5		1.0		3		46				<0.2		1.5	
					Middle	3.6	0.3	311	18.7	18.7	8.2	8.2	31.1	31.1	96.0	96.1	7.4		1.6		4		48				<0.2		1.4	
						3.6	0.3	309	18.7		8.2		31.1		96.2		7.5		1.6		4		48				<0.2		1.5	
					Bottom	6.1	0.3	294	18.7	18.7	8.2	8.2	31.1	31.1	96.8	96.9	7.5	7.5	1.8		5		50				<0.2		1.5	
						6.1	0.3	294	18.7		8.2		31.1		97.0		7.5		1.8		4		51				<0.2		1.4	
IM11	Cloudy	Moderate	14:17	7.8	Surface	1.0	0.2	274	18.9	18.9	8.2	8.2	30.4	30.4	95.8	95.7	7.4	7.4	0.6	1.0	3	3	47	49	821509	810557	<0.2	<0.2	1.6	1.6
						1.0	0.2	274	18.9		8.2		30.5		95.6		7.4		0.7		2		47				<0.2		1.5	
					Middle	3.9	0.3	288	18.8	18.8	8.2	8.2	30.8	30.8	94.9	94.9	7.4		1.1		4		48				<0.2		1.6	
						3.9	0.3	285	18.8		8.2		30.9		94.9		7.4		1.1		3		48				<0.2		1.5	
					Bottom	6.8	0.3	303	18.8	18.8	8.2	8.2	31.0	31.0	96.4	96.7	7.5	7.5	1.2		3		50				<0.2		1.5	
						6.8	0.3	309	18.8		8.2		31.0		96.9		7.5		1.3		4		51				<0.2		1.6	
IM12	Cloudy	Moderate	14:24	8.7	Surface	1.0	0.3	282	19.0	19.0	8.2	8.2	30.4	30.4	95.8	95.7	7.4	7.4	0.3	1.1	4	4	47	49	821153	811513	<0.2	<0.2	1.6	1.5
						1.0	0.3	276	18.9		8.2		30.5		95.6		7.4		0.3		3		47				<0.2		1.4	
					Middle	4.4	0.3	263	18.8	18.8	8.2	8.2	31.1	31.2	95.2	95.3	7.4		0.9		4		48				<0.2		1.5	
						4.4	0.3	259	18.8		8.2		31.2		95.3		7.4		1.0		5		48				<0.2		1.6	
					Bottom	7.7	0.3	300	18.8	18.8	8.2	8.2	31.3	31.3	96.1	96.2	7.4	7.5	1.8		5		50				<0.2		1.6	
						7.7	0.2	298	18.8		8.2		31.3		96.3		7.5		2.3		4		51				<0.2		1.5	
SR1A	Cloudy	Moderate	14:50	4.9	Surface	1.0	0.0	215	18.9	18.9	8.2	8.2	31.4	31.4	95.9	96.1	7.4	7.4	0.6	0.6	3	3	-	-	819973	812654	-	-	-	-
						1.0	0.0	220	18.9		8.2		31.4		96.2		7.4		0.6		2		-				-		-	
					Middle	2.5	0.0	229	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	0.0	226	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	200	18.9	18.9	8.1	8.1	31.4	31.4	96.7	96.8	7.5	7.5	0.6		3		-				-		-	
						3.9	0.1	205	18.9		8.1		31.4		96.9		7.5		0.5		2		-				-		-	
SR2	Cloudy	Moderate	15:03	4.3	Surface	1.0	0.0	357	18.9	18.9	8.2	8.2	31.1	31.1	96.2	96.3	7.4	7.5	0.6	0.9	4	5	47	49	821460	814177	<0.2	<0.2	1.5	1.5
						1.0	0.1	358	18.9		8.2		31.1		96.3		7.5		0.7		4		48				<0.2		1.5	
					Middle	-	0.0	27	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.0	22	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	4	18.9	18.9	8.2	8.2	31.1	31.1	97.2	97.3	7.5	7.5	1.2		5		51				<0.2		1.5	
						3.3	0.0	2	18.9		8.2		31.1		97.3		7.5		1.2		5		50				<0.2		1.6	
SR3	Misty	Calm	14:23	8.8	Surface	1.0	0.3	342	19.5	19.5	8.1	8.1	31.2	31.3	103.2	103.1	7.9	7.9	1.8	2.7	3	3	-	-	822139	807549	-	-	-	-
						1.0	0.3	336	19.5		8.1		31.3		102.9		7.9		1.8		4		-				-		-	
					Middle	4.4	0.3	340	19.4	19.4	8.1	8.1	31.7	31.7	102.6	102.6	7.8		2.6		3		-				-		-	
						4.4	0.3	338	19.4		8.1		31.7		102.6		7.8		2.7		4		-				-		-	
					Bottom	7.8	0.2	353	19.6	19.7	8.1	8.0	31.6	31.6	102.7	102.7	7.8	7.8	3.7		2		-				-		-	
						7.8	0.2	345	19.7		8.0		31.5		102.7		7.8		3.7		3		-				-		-	
SR4A	Misty	Calm	15:32	9.0	Surface	1.0	0.0	126	19.2	19.2	8.1	8.1	32.3	32.3	107.8	107.8	8.2	8.3	3.1	4.5	5	5	-	-	817177	807789	-	-	-	-
						1.0	0.0	127	19.2		8.1		32.3		107.8		8.2		3.2		4		-				-		-	
					Middle	4.5	0.0	114	19.2	19.2	8.1	8.1	32.4	32.4	108.4	108.5	8.3		4.9		4		-				-		-	
						4.5	-	119	19.2		8.1		32.4		108.6		8.3		4.9		5		-				-		-	
					Bottom	8.0	0.0	145	19.3	19.3	8.1	8.1	32.3	32.3	108.8	108.9	8.3	8.3	5.3		5		-				-		-	
						8.0	0.0	143	19.3		8.1		32.2		108.9		8.3		5.3		4		-				-		-	
SR8	Cloudy	Moderate	14:30	4.2	Surface	1.0	-	-	19.2	19.2	8.2	8.2	31.0	31.0	97.1	97.1	7.5	7.5	0.4	0.5	4	4	-	-	820406	811642	-	-	-	-
						1.0	-	-	19.2		8.2		31.0		97.0		7.5		0.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	19.0	19.0	8.2	8.2	31.2	31.2	97.3	97.4	7.5	7.5	0.5		3		-				-		-	
						3.2	-	-	19.0		8.2		31.2		97.4		7.5		0.6		3		-				-		-	

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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 January 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	13:47	8.3	Surface	1.0	0.1	206	17.0	17.0	8.1	8.1	31.1	31.1	100.9	100.8	8.1	8.0	8.5	9.2	4	5	47	49	815626	804241	<0.2	<0.2	1.0	1.1
						1.0	0.1	198	16.9		8.1		31.1		100.7		8.1		8.5		5		46				<0.2		1.0	
					Middle	4.2	0.1	217	16.8	16.9	8.1	8.1	31.5	31.5	96.4	96.5	7.8		9.4		4		49				<0.2		1.2	
						4.2	0.1	215	16.9		8.1		31.5		96.5		7.8		9.4		5		48				<0.2		1.0	
					Bottom	7.3	0.1	175	17.1	17.1	8.1	8.1	31.2	31.2	97.8	97.9	7.9	7.9	9.9		6		51				<0.2		1.1	
						7.3	0.1	181	17.1		8.1		31.1		98.0		7.9		9.9		7		51				<0.2		1.1	
C2	Cloudy	Moderate	12:40	11.8	Surface	1.0	0.1	106	17.4	17.4	8.1	8.1	28.8	28.8	97.0	97.0	7.9	7.7	3.4	4.1	5	6	46	49	825669	806956	<0.2	<0.2	1.0	1.1
						1.0	0.1	111	17.4		8.1		28.8		96.9		7.9		3.4		4		46				<0.2		1.2	
					Middle	5.9	0.0	126	17.3	17.3	8.1	8.1	31.1	31.0	92.2	92.3	7.4		3.9		6		48				<0.2		1.1	
						5.9	0.0	123	17.3		8.1		31.0		92.3		7.4		4.0		6		49				<0.2		1.0	
					Bottom	10.8	0.0	137	17.4	17.4	8.1	8.0	30.9	30.8	93.9	94.2	7.5	7.6	5.1		6		51				<0.2		1.2	
						10.8	0.1	130	17.4		8.0		30.8		94.4		7.6		5.1		6		52				<0.2		1.3	
C3	Cloudy	Moderate	14:03	11.6	Surface	1.0	0.3	82	17.0	17.0	8.1	8.1	31.7	31.7	99.4	99.4	7.9	7.7	5.5	7.4	6	6	46	49	822090	817806	<0.2	<0.2	1.6	1.4
						1.0	0.2	78	17.0		8.1		31.7		99.4		7.9		5.5		5		46				<0.2		1.6	
					Middle	5.8	0.3	77	16.9	16.9	8.1	8.1	32.1	32.1	94.6	94.6	7.5		7.2		6		48				<0.2		1.5	
						5.8	0.3	83	16.9		8.1		32.1		94.6		7.5		7.5		6		49				<0.2		1.5	
					Bottom	10.6	0.3	95	16.8	16.8	8.1	8.1	32.1	32.1	95.2	95.2	7.6	7.6	9.2		6		51				<0.2		1.1	
						10.6	0.2	88	16.8		8.1		32.1		95.3		7.6		9.5		6		52				<0.2		1.1	
IM1	Cloudy	Moderate	13:28	7.0	Surface	1.0	0.0	117	17.2	17.2	8.1	8.1	31.0	31.0	97.1	97.1	7.8	7.8	6.8	7.5	5	5	47	48	818345	806436	<0.2	<0.2	1.1	1.1
						1.0	0.1	115	17.2		8.1		31.1		97.0		7.8		6.8		4		46				<0.2		1.0	
					Middle	3.5	0.0	132	17.0	17.0	8.1	8.1	31.2	31.2	96.2	96.2	7.7		7.5		4		48				<0.2		1.0	
						3.5	0.0	131	17.0		8.1		31.2		96.1		7.7		7.5		5		48				<0.2		1.1	
					Bottom	6.0	0.0	112	17.2	17.2	8.0	8.0	31.0	31.0	95.4	95.4	7.7	7.7	8.4		6		50				<0.2		1.1	
						6.0	0.1	104	17.2		8.0		31.0		95.3		7.6		8.4		5		50				<0.2		1.1	
IM2	Cloudy	Moderate	13:23	6.9	Surface	1.0	0.0	83	17.1	17.1	8.1	8.1	31.0	31.0	97.2	97.1	7.8	7.8	7.7	8.7	5	6	47	49	819186	806221	<0.2	<0.2	1.0	1.0
						1.0	0.0	77	17.1		8.1		31.0		97.0		7.8		7.7		6		46				<0.2		0.9	
					Middle	3.5	0.1	73	17.0	17.0	8.1	8.1	31.1	31.1	96.3	96.4	7.8		8.8		5		49				<0.2		1.0	
						3.5	0.0	67	17.0		8.1		31.1		96.5		7.8		9.0		6		49				<0.2		1.1	
					Bottom	5.9	0.1	74	17.3	17.4	8.1	8.1	30.9	30.9	98.2	98.3	7.9	7.9	9.6		6		51				<0.2		0.9	
						5.9	0.1	74	17.4		8.1		30.9		98.4		7.9		9.6		7		52				<0.2		1.0	
IM7	Cloudy	Moderate	13:05	7.9	Surface	1.0	0.3	61	17.3	17.3	8.1	8.1	30.2	30.2	98.7	98.7	7.9	7.9	4.0	4.6	7	7	47	49	821350	806838	<0.2	<0.2	0.9	1.1
						1.0	0.3	57	17.3		8.1		30.2		98.6		7.9		4.0		7		46				<0.2		0.8	
					Middle	4.0	0.3	65	17.2	17.2	8.1	8.1	30.6	30.6	97.2	97.2	7.8		4.4		7		49				<0.2		1.2	
						4.0	0.3	68	17.2		8.1		30.7		97.1		7.8		4.3		7		48				<0.2		1.1	
					Bottom	6.9	0.2	46	17.5	17.5	8.1	8.1	30.5	30.5	96.4	96.5	7.7	7.7	5.5		6		51				<0.2		1.2	
						6.9	0.3	50	17.5		8.1		30.5		96.6		7.7		5.5		6		52				<0.2		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 January 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	12:51	7.4	Surface	1.0	0.2	44	17.0	17.0	8.1	8.1	30.7	30.7	98.8	98.7	7.9	7.9	6.4	6.9	7	6	48	50	822241	809845	<0.2	<0.2	1.4	1.1
						1.0	0.1	38	17.0		8.1		30.7		98.7		7.9		6.5		6		47				<0.2		1.3	
					Middle	3.7	0.2	44	16.9	16.9	8.1	8.1	31.1	31.1	98.1	98.2	7.9		7.0		7		50				<0.2		1.0	
						3.7	0.1	42	16.9		8.1		31.1		98.3		7.9		7.1		6		50				<0.2		1.0	
					Bottom	6.4	0.1	25	16.9	16.9	8.2	8.2	31.1	31.1	98.9	99.0	7.9	8.0	7.2		5		54				<0.2		1.0	
						6.4	0.1	20	16.9		8.2		31.1		99.1		8.0		7.2		6		52				<0.2		1.1	
IM11	Cloudy	Moderate	12:57	7.8	Surface	1.0	0.1	62	17.1	17.1	8.1	8.1	30.4	30.4	97.9	97.8	7.9	7.8	6.1	6.4	9	8	47	49	821478	810528	<0.2	<0.2	1.2	1.1
						1.0	0.1	55	17.1		8.1		30.5		97.7		7.8		6.1		8		47				<0.2		1.2	
					Middle	3.9	0.1	93	17.0	17.0	8.1	8.1	30.8	30.8	97.0	97.0	7.8		6.5		8		49				<0.2		1.1	
						3.9	0.1	97	17.0		8.1		30.9		97.0		7.8		6.5		7		48				<0.2		1.2	
					Bottom	6.8	0.2	86	17.0	17.0	8.1	8.1	31.0	31.0	98.5	98.7	7.9	7.9	6.6		8		51				<0.2		1.0	
						6.8	0.2	80	17.0		8.1		31.0		99.0		7.9		6.7		7		51				<0.2		1.1	
IM12	Cloudy	Moderate	13:04	8.9	Surface	1.0	0.1	72	17.2	17.2	8.1	8.1	30.4	30.4	97.9	97.8	7.9	7.8	5.7	6.5	5	6	47	50	821144	811513	<0.2	<0.2	1.0	1.4
						1.0	0.1	68	17.1		8.1		30.5		97.7		7.8		5.7		6		47				<0.2		1.0	
					Middle	4.5	0.2	89	17.0	17.0	8.1	8.1	31.1	31.2	97.3	97.3	7.8		6.3		7		49				<0.2		1.9	
						4.5	0.2	83	17.0		8.1		31.2		97.4		7.8		6.4		6		50				<0.2		1.8	
					Bottom	7.9	0.1	110	17.0	17.0	8.1	8.1	31.3	31.3	98.2	98.3	7.9	7.9	7.3		6		52				<0.2		1.2	
						7.9	0.2	113	17.0		8.1		31.3		98.4		7.9		7.7		7		52				<0.2		1.3	
SR1A	Cloudy	Moderate	13:30	5.1	Surface	1.0	-	2	17.1	17.1	8.1	8.1	31.4	31.4	98.0	98.1	7.8	7.9	6.0	6.0	7	7	-	-	819981	812657	-	-	-	-
						1.0	0.0	7	17.1		8.1		31.4		98.3		7.9		6.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	22	17.1	17.1	8.1	8.1	31.4	31.4	98.8	98.9	7.9	7.9	6.0		7		-				-		-	
						4.1	0.1	28	17.1		8.1		31.4		99.0		7.9		5.9		7		-				-		-	
SR2	Cloudy	Moderate	13:43	4.2	Surface	1.0	0.1	69	17.1	17.1	8.1	8.1	31.1	31.1	98.3	98.3	7.9	7.9	6.1	6.4	7	5	48	49	821459	814176	<0.2	<0.2	1.1	1.1
						1.0	0.2	65	17.1		8.1		31.1		98.4		7.9		6.1		6		47				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	73	17.1	17.1	8.1	8.1	31.1	31.1	99.3	99.3	7.9	8.0	6.6		4		50				<0.2		1.1	
						3.2	0.1	66	17.1		8.1		31.1		99.4		8.0		6.6		4		51				<0.2		1.1	
SR3	Cloudy	Moderate	12:58	8.4	Surface	1.0	0.1	60	17.3	17.3	8.1	8.1	30.0	30.0	95.4	95.3	7.7	7.7	4.1	5.0	4	5	-	-	822148	807554	-	-	-	-
						1.0	0.1	64	17.3		8.1		30.1		95.1		7.7		4.1		5		-				-		-	
					Middle	4.2	0.1	50	17.2	17.2	8.1	8.1	30.5	30.5	94.8	94.8	7.6		5.0		5		-				-		-	
						4.2	0.2	56	17.2		8.1		30.5		94.8		7.6		5.0		6		-				-		-	
					Bottom	7.4	0.2	76	17.4	17.5	8.1	8.1	30.4	30.4	94.9	94.9	7.6	7.6	6.0		6		-				-		-	
						7.4	0.1	75	17.5		8.1		30.3		94.9		7.6		6.0		5		-				-		-	
SR4A	Cloudy	Moderate	14:07	8.8	Surface	1.0	0.0	74	17.0	17.0	8.2	8.2	31.0	31.0	100.0	100.0	8.1	8.1	5.4	6.8	5	5	-	-	817178	807825	-	-	-	-
						1.0	0.0	80	17.0		8.2		31.0		100.0		8.1		5.5		4		-				-		-	
					Middle	4.4	-	73	17.0	17.0	8.1	8.1	31.1	31.1	100.6	100.7	8.1		7.2		5		-				-		-	
						4.4	0.0	77	17.0		8.1		31.1		100.8		8.1		7.3		6		-				-		-	
					Bottom	7.8	0.0	72	17.1	17.1	8.1	8.1	31.1	31.1	101.0	101.1	8.1	8.1	7.7		5		-				-		-	
						7.8	0.1	78	17.1		8.1		31.0		101.1		8.1		7.6		6		-				-		-	
SR8	Cloudy	Moderate	13:10	4.2	Surface	1.0	-	-	17.4	17.4	8.1	8.1	31.0	31.0	99.2	99.1	7.9	7.9	5.8	5.9	6	6	-	-	820369	811602	-	-	-	-
						1.0	-	-	17.4		8.1		31.0		99.1		7.9		5.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	17.2	17.2	8.1	8.1	31.2	31.2	99.4	99.4	7.9	7.9	6.0		4		-				-		-	
						3.2	-	-	17.2		8.1		31.2		99.5		7.9		6.0		5		-				-		-	

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

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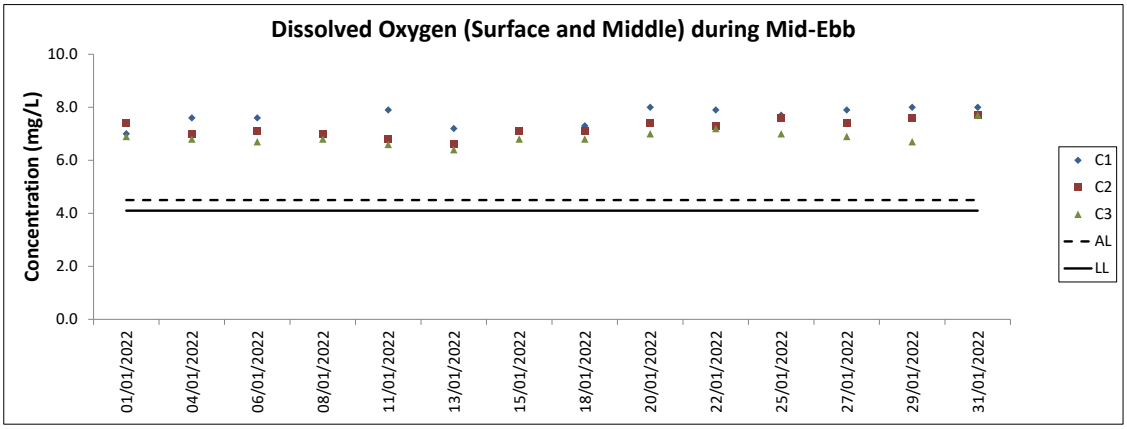
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	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	07:50	8.4	Surface	1.0	0.2	42	16.9	16.9	8.1	8.1	31.2	31.2	91.7	91.6	7.4	7.4	7.0	7.7	6	6	46	49	815641	804264	<0.2	<0.2	1.0	1.0
						1.0	0.3	36	16.8		8.1		31.2		91.5		7.4		7.0		7		47				<0.2		1.2	
					Middle	4.2	0.3	32	16.8	16.8	8.1	8.1	31.5	31.5	92.0	92.2	7.4		7.4		6		48				<0.2		0.7	
						4.2	0.3	26	16.8		8.1		31.5		92.3		7.5		7.3		7		48				<0.2		0.7	
					Bottom	7.4	0.2	32	16.6	16.6	8.1	8.1	31.7	31.7	92.8	92.9	7.5	7.5	8.8		4		52				<0.2		1.1	
						7.4	0.2	33	16.5		8.1		31.7		92.9		7.5		8.8		5		52				<0.2		1.2	
C2	Cloudy	Moderate	09:04	11.6	Surface	1.0	0.3	354	17.3	17.3	8.0	8.0	30.9	30.9	87.6	87.6	7.0	7.0	3.9	5.0	4	5	45	48	825666	806966	<0.2	<0.2	0.8	0.9
						1.0	0.3	349	17.3		8.0		30.9		87.5		7.0		3.8		5		46				<0.2		0.9	
					Middle	5.8	0.3	356	17.4	17.5	8.0	8.0	30.9	30.9	87.8	87.9	7.0		4.9		5		49				<0.2		0.9	
						5.8	0.3	353	17.5		8.0		30.9		87.9		7.0		4.9		6		48				<0.2		1.0	
					Bottom	10.6	0.3	2	17.6	17.6	8.0	8.0	30.8	30.8	88.8	89.2	7.1	7.2	6.2		6		51				<0.2		0.9	
						10.6	0.3	354	17.6		8.0		30.8		89.6		7.2		6.2		5		51				<0.2		0.9	
C3	Cloudy	Moderate	07:23	11.6	Surface	1.0	0.4	268	17.2	17.2	8.1	8.1	32.1	32.1	89.5	89.5	7.1	7.1	5.9	6.4	6	6	48	50	822116	817825	<0.2	<0.2	1.1	1.0
						1.0	0.5	261	17.2		8.1		32.1		89.5		7.1		5.9		7		49				<0.2		1.1	
					Middle	5.8	0.5	266	17.2	17.2	8.1	8.1	32.1	32.1	89.3	89.3	7.1		6.0		5		50				<0.2		1.0	
						5.8	0.5	265	17.2		8.1		32.1		89.3		7.1		6.0		6		51				<0.2		1.0	
					Bottom	10.6	0.4	255	17.2	17.2	8.0	8.0	32.2	32.2	88.4	88.5	7.0	7.0	7.3		5		52				<0.2		0.8	
						10.6	0.4	259	17.2		8.0		32.2		88.5		7.0		7.3		6		52				<0.2		0.9	
IM1	Cloudy	Moderate	08:09	6.2	Surface	1.0	0.2	26	17.0	17.0	8.1	8.1	31.1	31.1	91.3	91.3	7.4	7.4	8.7	9.0	5	5	46	49	818345	806452	<0.2	<0.2	1.0	0.9
						1.0	0.2	19	17.0		8.1		31.1		91.2		7.4		8.7		4		46				<0.2		1.0	
					Middle	3.1	0.2	11	17.0	17.0	8.1	8.1	31.2	31.2	90.7	90.7	7.3		9.7		5		48				<0.2		0.9	
						3.1	0.1	9	17.0		8.1		31.2		90.7		7.3		9.7		4		48				<0.2		0.8	
					Bottom	5.2	0.2	35	16.9	16.9	8.1	8.1	31.3	31.3	90.6	90.5	7.3	7.3	8.5		5		51				<0.2		0.8	
						5.2	0.3	32	16.9		8.1		31.3		90.4		7.3		8.5		5		52				<0.2		0.9	
IM2	Cloudy	Moderate	08:16	7.3	Surface	1.0	0.2	353	17.1	17.1	8.1	8.1	30.9	30.9	91.3	91.3	7.4	7.4	4.4	5.8	4	5	47	49	819180	806256	<0.2	<0.2	0.8	0.8
						1.0	0.2	359	17.1		8.1		30.9		91.2		7.3		4.4		4		46				<0.2		0.7	
					Middle	3.7	0.2	15	17.1	17.1	8.1	8.1	31.0	31.0	91.3	91.4	7.4		5.8		6		49				<0.2		1.0	
						3.7	0.2	17	17.1		8.1		31.0		91.5		7.4		5.8		5		48				<0.2		0.9	
					Bottom	6.3	0.2	357	17.0	17.0	8.1	8.1	31.0	31.1	93.2	93.3	7.5	7.5	7.3		6		51				<0.2		0.8	
						6.3	0.1	350	17.0		8.1		31.1		93.4		7.5		7.3		7		51				<0.2		0.7	
IM7	Cloudy	Moderate	08:37	8.0	Surface	1.0	0.2	332	17.3	17.3	8.1	8.1	30.2	30.2	91.7	91.6	7.4	7.4	4.5	5.8	4	6	46	48	821342	806827	<0.2	<0.2	0.8	1.1
						1.0	0.2	325	17.2		8.1		30.3		91.5		7.4		4.6		5		46				<0.2		0.8	
					Middle	4.0	0.2	345	17.1	17.1	8.1	8.1	30.8	30.8	90.5	90.5	7.3		5.8		5		48				<0.2		1.3	
						4.0	0.2	342	17.1		8.1		30.8		90.5		7.3		5.8		6		48				<0.2		1.2	
					Bottom	7.0	0.2	328	17.1	17.1	8.1	8.1	30.9	30.8	90.8	90.9	7.3	7.3	7.0		7		51				<0.2		1.2	
						7.0	0.1	325	17.1		8.1		30.8		91.0		7.3		7.1		6		50				<0.2		1.2	

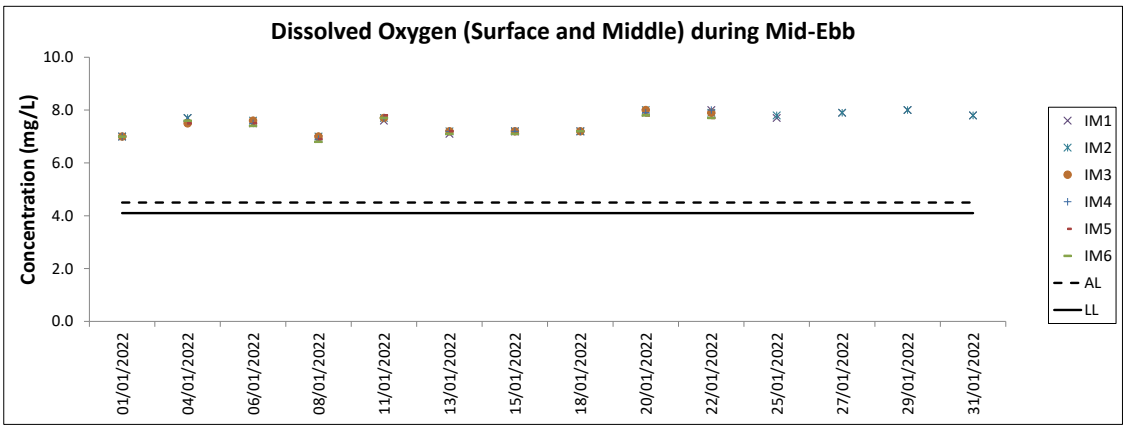
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

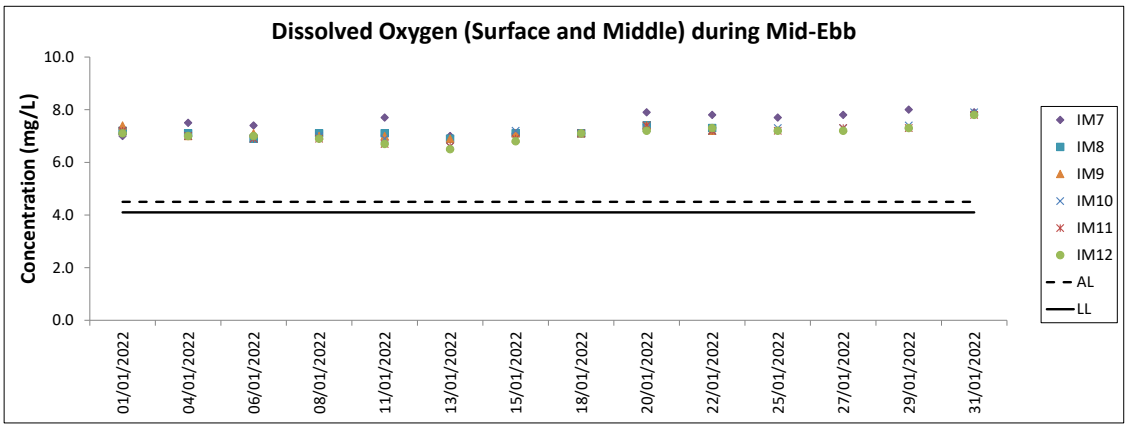
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 January 22 during Mid-Flood Tide

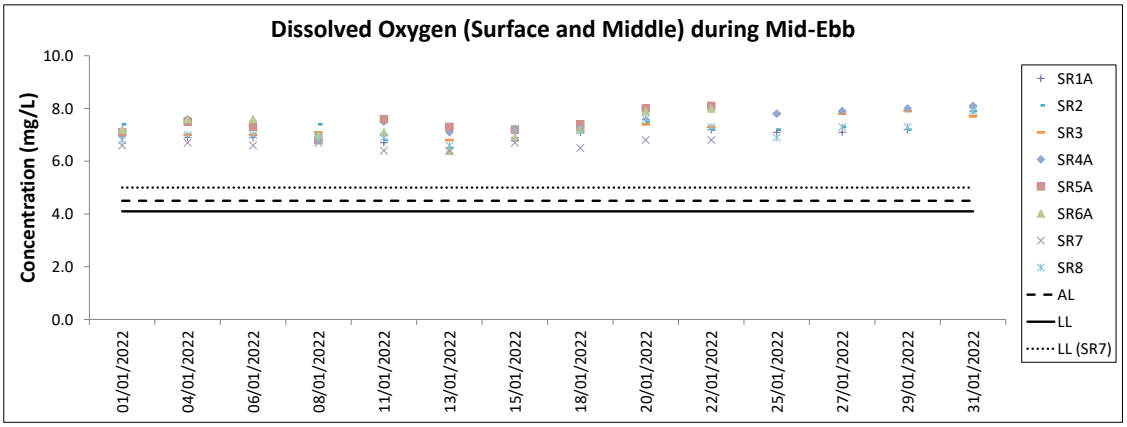
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	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	08:41	7.4	Surface	1.0	0.3	281	17.5	17.5	8.1	8.1	30.5	30.6	98.5	98.5	7.9	7.9	6.9	7.6	5	5	46	49	822234	809859	<0.2	<0.2	1.1	1.3
						1.0	0.3	287	17.4		8.1		30.6		98.4		7.9		7.0		6		46				<0.2		1.0	
					Middle	3.7	0.4	285	17.4	17.4	8.1	8.1	30.9	30.9	98.6	98.6	7.9		7.7		6		48				<0.2		1.5	
						3.7	0.4	284	17.4		8.1		30.9		98.6		7.9		7.7		5		49				<0.2		1.4	
					Bottom	6.4	0.4	305	17.4	17.4	8.1	8.1	30.9	30.9	99.8	99.8	8.0	8.0	8.1		4		51				<0.2		1.4	
						6.4	0.4	311	17.4		8.1		30.9		99.8		8.0		8.1		5		52				<0.2		1.4	
IM11	Cloudy	Moderate	08:31	8.1	Surface	1.0	0.5	271	17.5	17.5	8.1	8.1	30.9	30.9	96.8	96.8	7.7	7.7	6.2	6.2	4	6	46	48	821524	810556	<0.2	<0.2	1.8	1.7
						1.0	0.4	278	17.5		8.1		30.9		96.8		7.7		6.2		5		47				<0.2		1.7	
					Middle	4.1	0.4	268	17.4	17.4	8.1	8.1	31.2	31.2	97.1	97.1	7.7		5.9		6		48				<0.2		1.5	
						4.1	0.4	269	17.4		8.1		31.2		97.1		7.7		5.9		6		48				<0.2		1.7	
					Bottom	7.1	0.5	289	17.4	17.4	8.1	8.1	31.3	31.3	97.6	97.7	7.8	7.8	6.3		6		50				<0.2		1.8	
						7.1	0.5	294	17.4		8.1		31.3		97.7		7.8		6.4		6		51				<0.2		1.9	
IM12	Cloudy	Moderate	08:22	9.1	Surface	1.0	0.5	290	17.5	17.5	8.1	8.1	30.8	30.9	97.8	97.8	7.8	7.8	5.8	6.2	6	6	47	50	821157	811501	<0.2	<0.2	1.8	1.5
						1.0	0.5	294	17.4		8.1		30.9		97.7		7.8		5.8		5		47				<0.2		2.0	
					Middle	4.6	0.5	303	17.4	17.4	8.1	8.1	31.4	31.4	96.6	96.6	7.7		6.0		5		49				<0.2		1.5	
						4.6	0.5	309	17.4		8.1		31.4		96.5		7.7		6.0		6		50				<0.2		1.6	
					Bottom	8.1	0.4	267	17.4	17.4	8.1	8.1	31.4	31.4	96.7	96.8	7.7	7.7	6.6		7		53				<0.2		1.2	
						8.1	0.4	264	17.4		8.1		31.4		96.8		7.7		6.7		7		52				<0.2		1.0	
SR1A	Cloudy	Moderate	08:01	5.3	Surface	1.0	0.0	200	17.4	17.4	8.1	8.1	31.4	31.4	96.8	96.8	7.7	7.7	6.4	6.5	3	5	-	-	819977	812664	-	-	-	-
						1.0	-	192	17.4		8.1		31.4		96.8		7.7		6.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.0	185	17.3	17.3	8.1	8.1	31.4	31.4	98.4	98.5	7.8	7.9	6.6		6		-				-		-	
						4.3	0.0	177	17.3		8.1		31.4		98.6		7.9		6.5		6		-				-		-	
SR2	Cloudy	Moderate	07:46	4.2	Surface	1.0	0.0	251	17.4	17.4	8.1	8.1	31.4	31.4	96.8	96.8	7.7	7.7	6.0	5.9	5	6	48	50	821444	814188	<0.2	<0.2	1.2	1.2
						1.0	0.0	254	17.4		8.1		31.4		96.8		7.7		6.0		5		49				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	259	17.3	17.3	8.1	8.1	31.5	31.5	98.0	98.2	7.8	7.8	5.8		7		51				<0.2		1.2	
						3.2	0.1	251	17.3		8.1		31.5		98.3		7.8		5.8		7		51				<0.2		1.2	
SR3	Cloudy	Moderate	08:45	8.6	Surface	1.0	0.2	346	17.3	17.3	8.1	8.1	29.8	29.8	90.1	90.0	7.3	7.3	5.2	5.8	4	4	-	-	822170	807585	-	-	-	-
						1.0	0.2	342	17.3		8.1		29.9		89.9		7.3		5.2		5		-				-		-	
					Middle	4.3	0.3	332	17.2	17.2	8.1	8.1	30.4	30.4	89.3	89.3	7.2		5.7		5		-				-		-	
						4.3	0.2	325	17.2		8.1		30.5		89.3		7.2		5.6		4		-				-		-	
					Bottom	7.6	0.2	311	17.3	17.4	8.1	8.1	30.5	30.5	90.1	90.2	7.2	7.2	6.7		3		-				-		-	
						7.6	0.2	317	17.4		8.1		30.5		90.2		7.2		6.7		4		-				-		-	
SR4A	Cloudy	Moderate	07:31	8.9	Surface	1.0	0.0	212	17.0	17.0	8.1	8.1	31.1	31.1	91.4	91.4	7.4	7.4	5.0	5.9	6	7	-	-	817209	807830	-	-	-	-
						1.0	0.1	208	17.0		8.1		31.1		91.3		7.4		5.1		7		-				-		-	
					Middle	4.5	0.1	180	17.0	17.0	8.1	8.1	31.1	31.1	91.4	91.4	7.4		5.4		7		-				-		-	
						4.5	0.0	179	17.0		8.1		31.1		91.4		7.4		5.4		6		-				-		-	
					Bottom	7.9	0.0	179	17.0	17.0	8.0	8.0	31.1	31.1	92.6	92.7	7.5	7.5	7.3		8		-				-		-	
						7.9	0.0	172	17.0		8.0		31.1		92.7		7.5		7.2		7		-				-		-	
SR8	Cloudy	Moderate	08:15	4.2	Surface	1.0	-	-	17.4	17.4	8.2	8.2	31.3	31.3	97.7	97.7	7.8	7.8	6.7	7.9	6	6	-	-	820409	811625	-	-	-	-
						1.0	-	-	17.4		8.2		31.3		97.7		7.8		7.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	17.4	17.4	8.3	8.3	31.3	31.3	98.8	98.9	7.9	7.9	8.5		6		-				-		-	
						3.2	-	-	17.4		8.3		31.3		99.0		7.9		8.9		6		-				-		-	

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

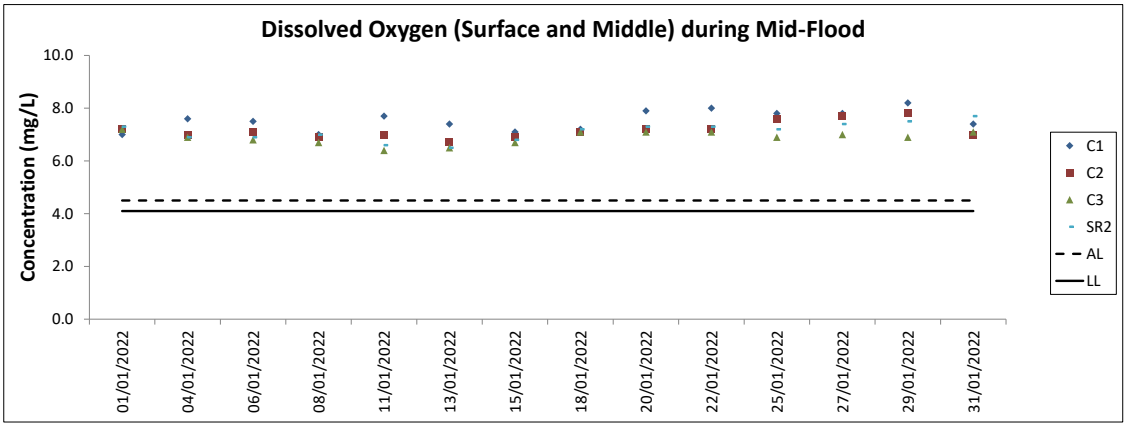








Note: Monitoring at IM3, IM4, IM5, IM6, IM8, IM9, SR5A, SR6A, SR7 were terminated after 25 January 2022.


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
08/01/2022
11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
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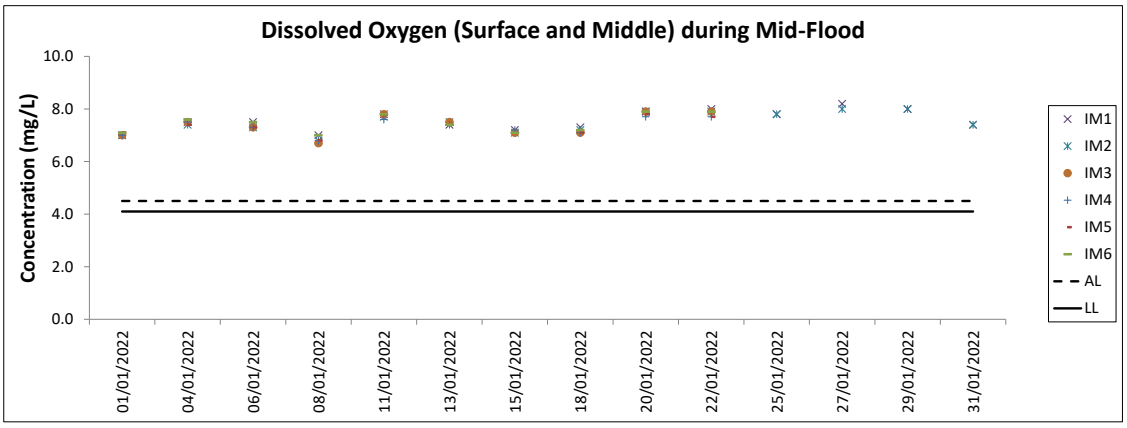
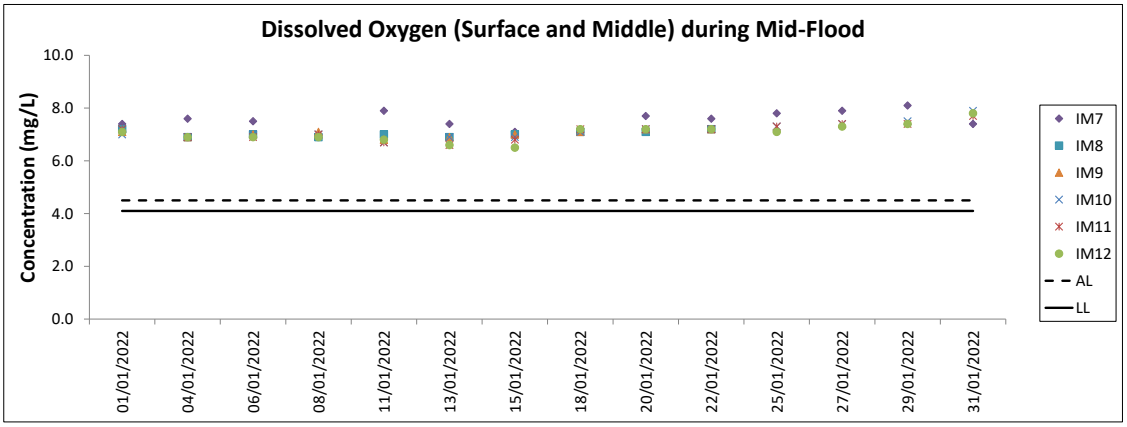
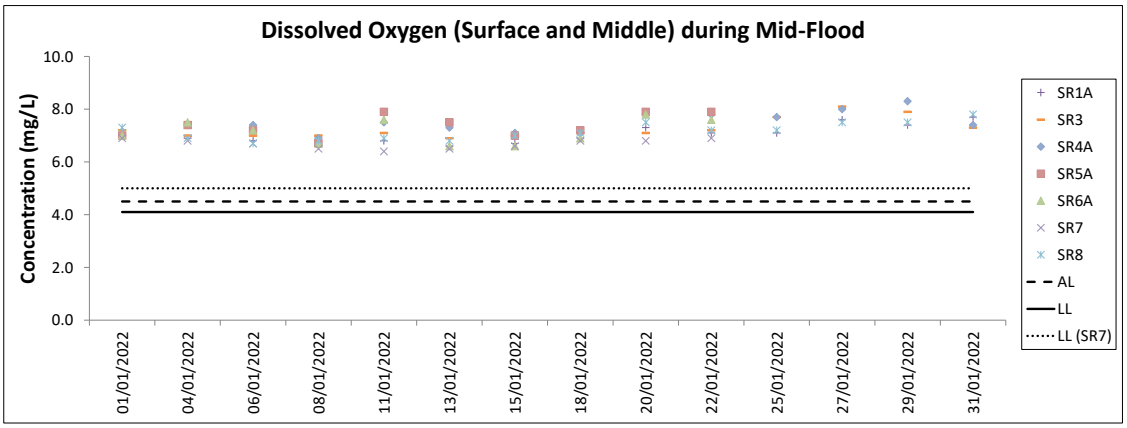
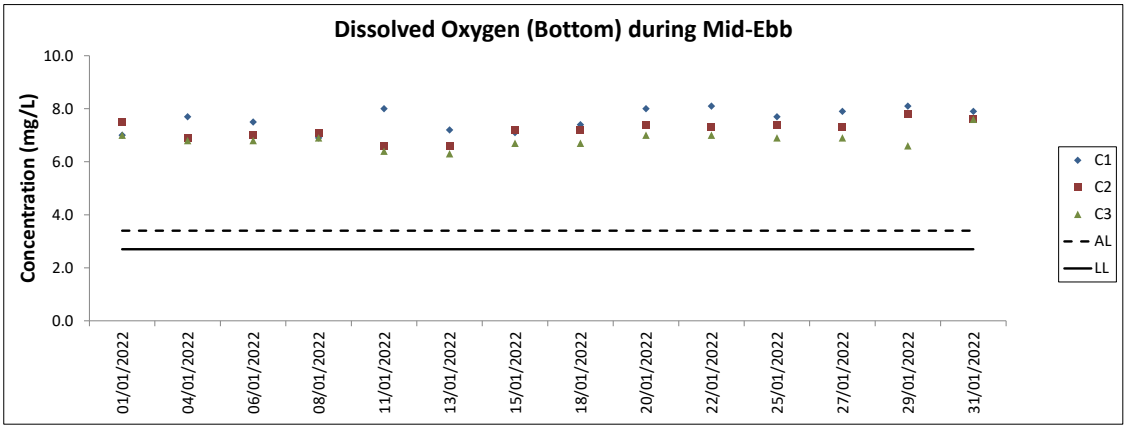
27/01/2022
29/01/2022
31/01/2022
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
08/01/2022
11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
25/01/2022
27/01/2022
29/01/2022
31/01/2022
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
08/01/2022
11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
25/01/2022
27/01/2022
29/01/2022
31/01/2022
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
08/01/2022
11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
25/01/2022
27/01/2022
29/01/2022
31/01/2022
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
08/01/2022
11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
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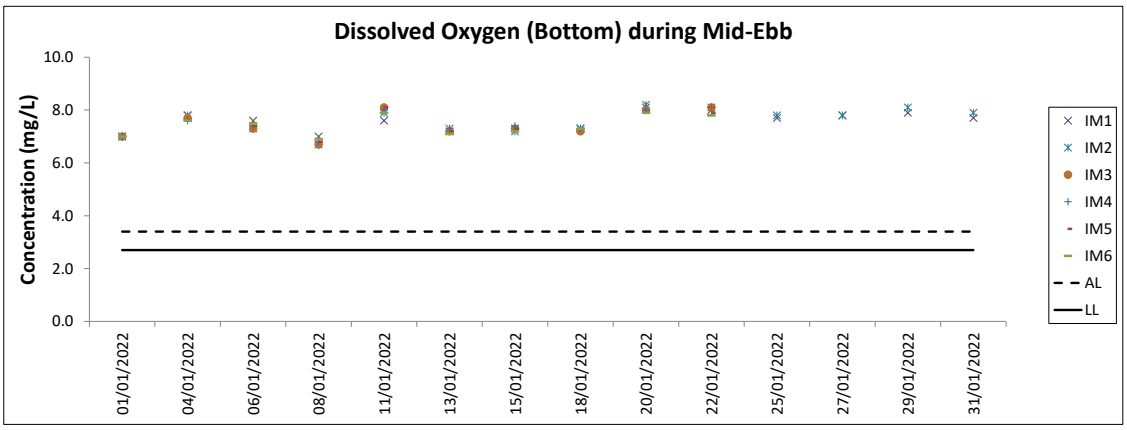
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
08/01/2022
11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
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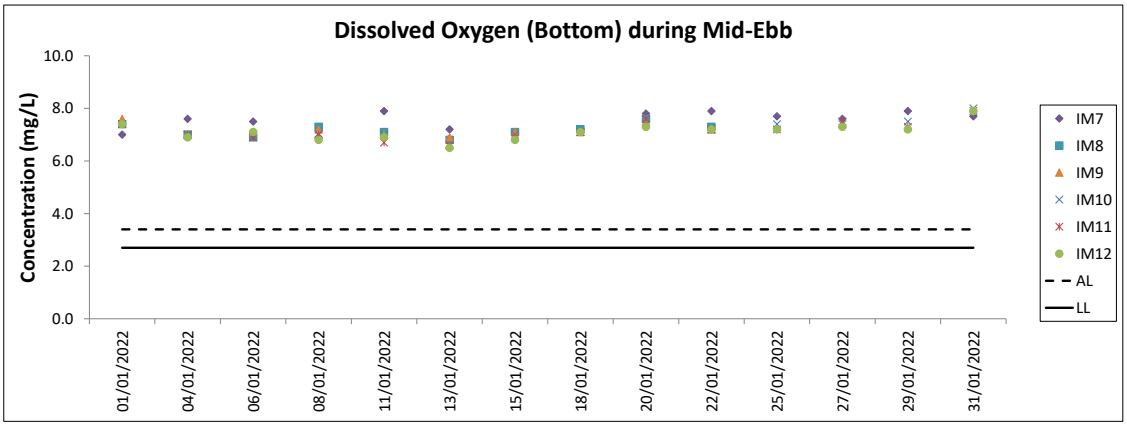
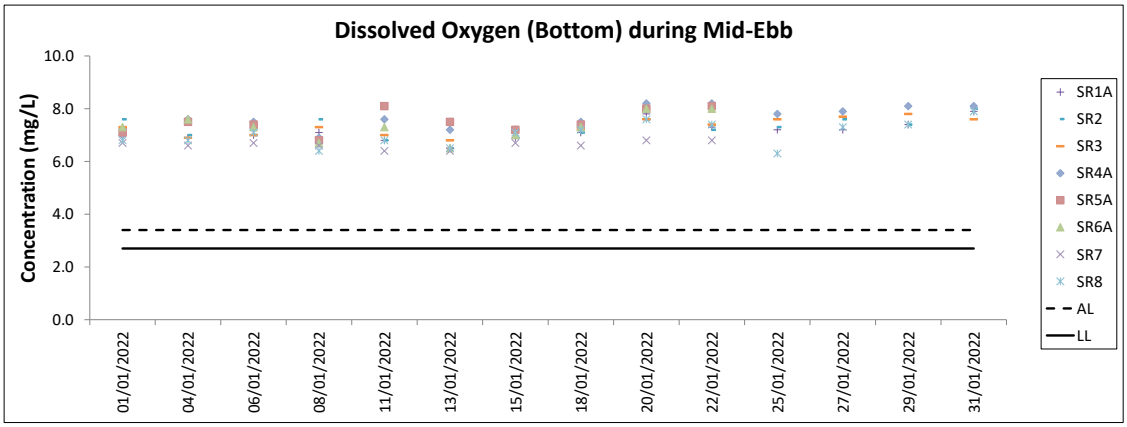
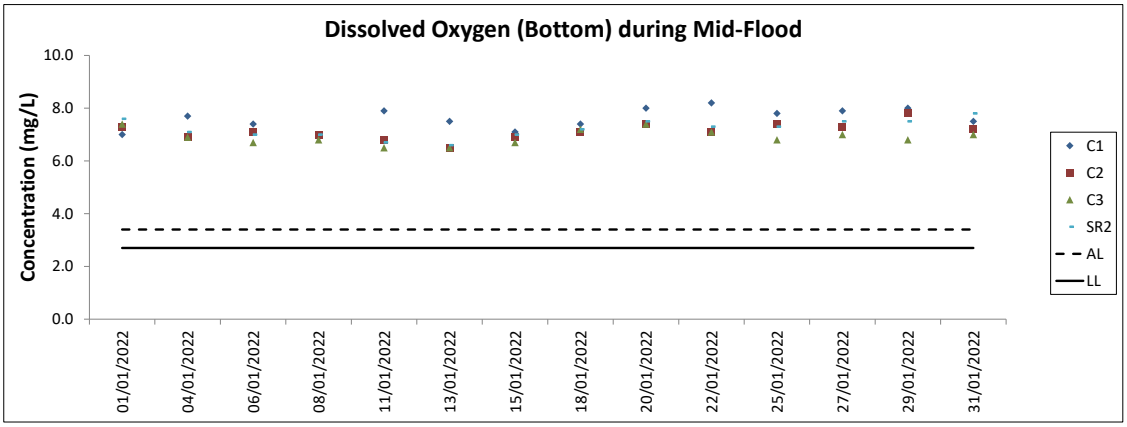
29/01/2022
31/01/2022
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
08/01/2022
11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
25/01/2022
27/01/2022
29/01/2022
31/01/2022
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
08/01/2022
11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
25/01/2022
27/01/2022
29/01/2022
31/01/2022
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
08/01/2022
11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
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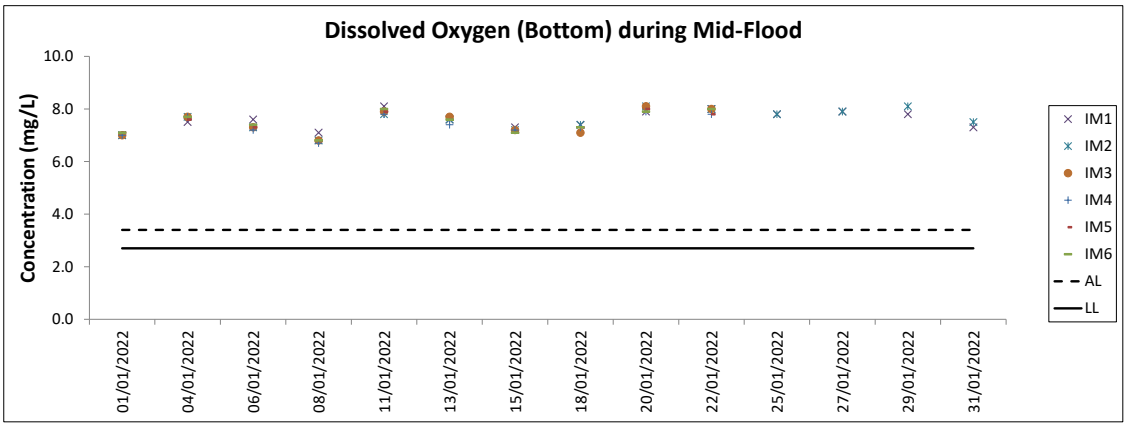
C1
C2
C3
SR2
AL
LL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8.0
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4.0
2.0
0.0
01/01/2022
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11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
25/01/2022
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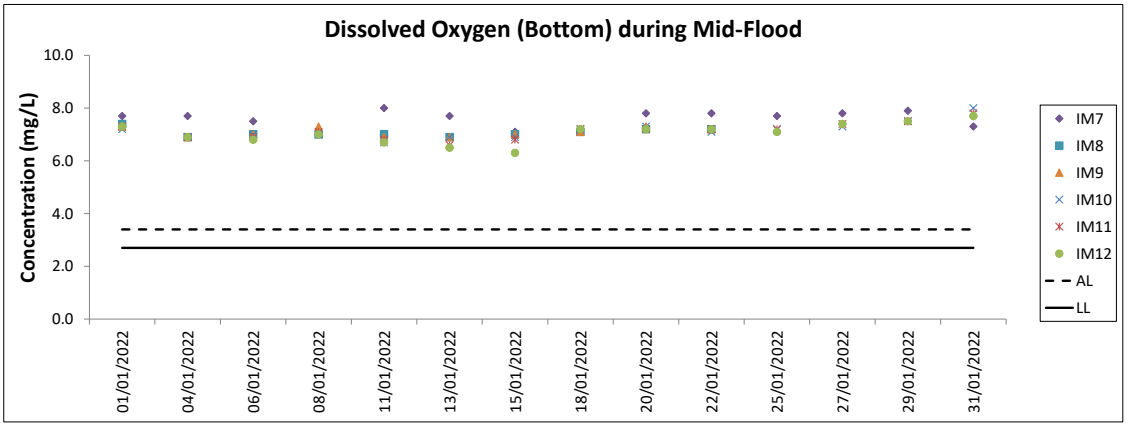
29/01/2022
31/01/2022
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
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01/01/2022
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18/01/2022
20/01/2022
22/01/2022
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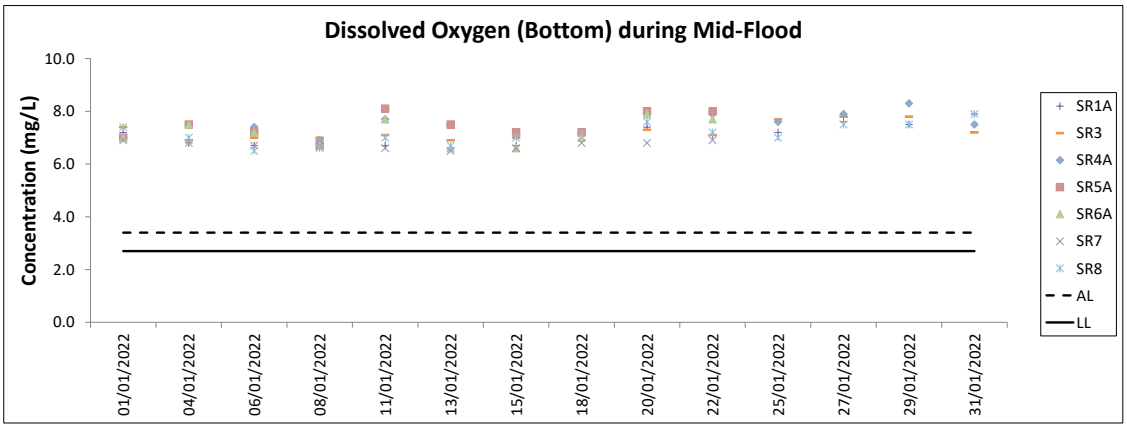
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/01/2022
04/01/2022
06/01/2022
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11/01/2022
13/01/2022
15/01/2022
18/01/2022
20/01/2022
22/01/2022
25/01/2022
27/01/2022
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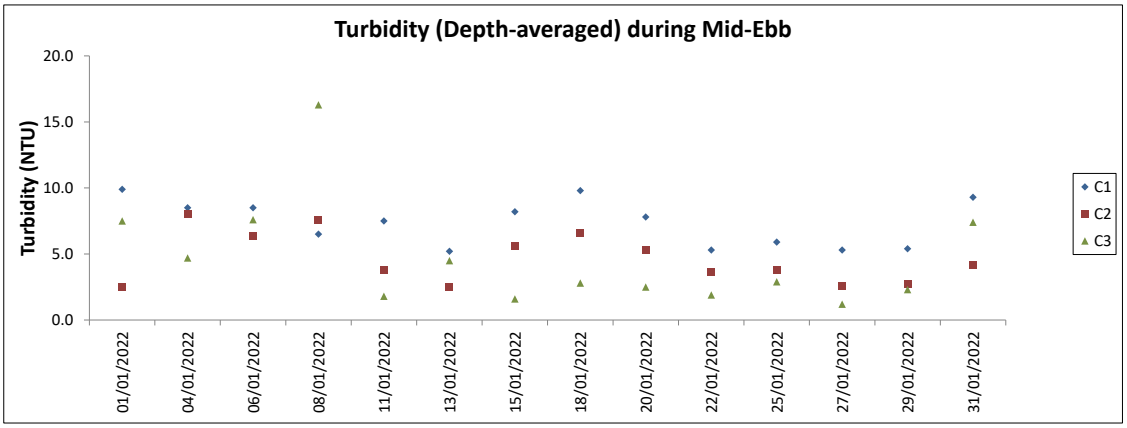
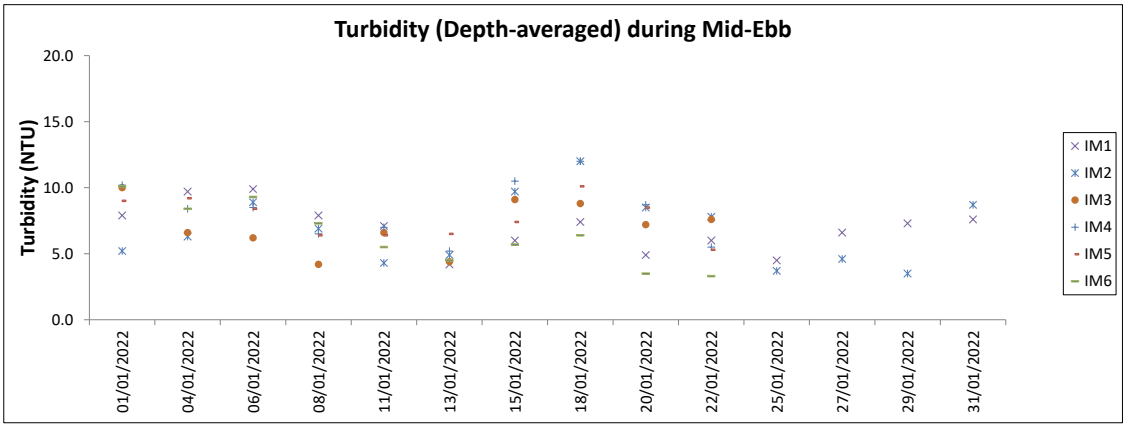
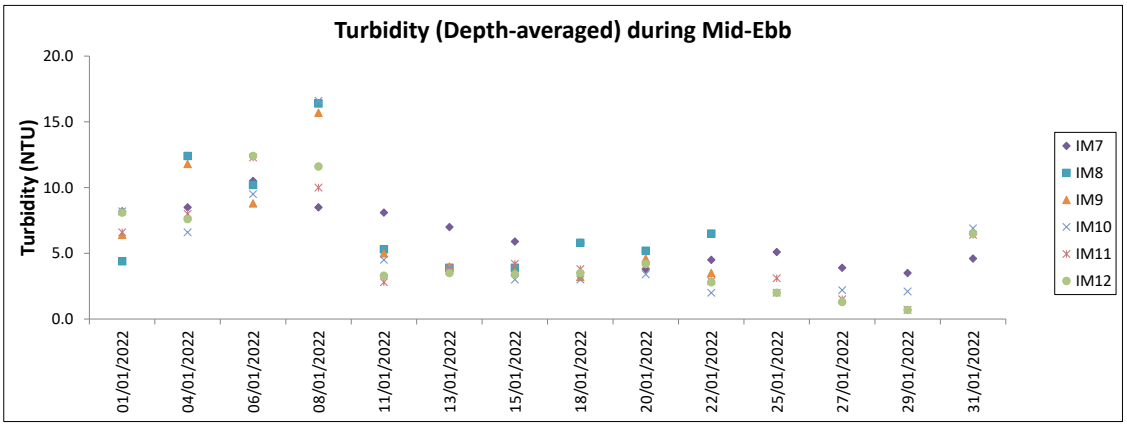
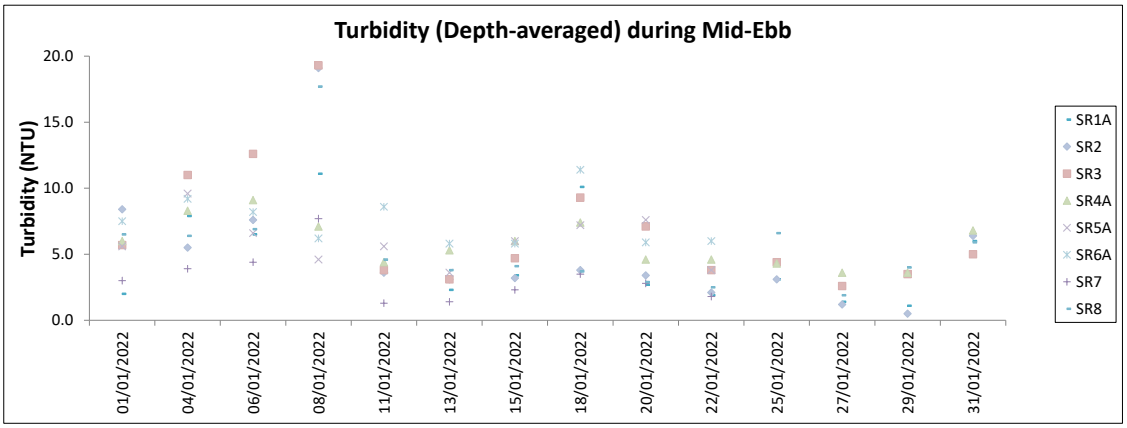
31/01/2022
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL

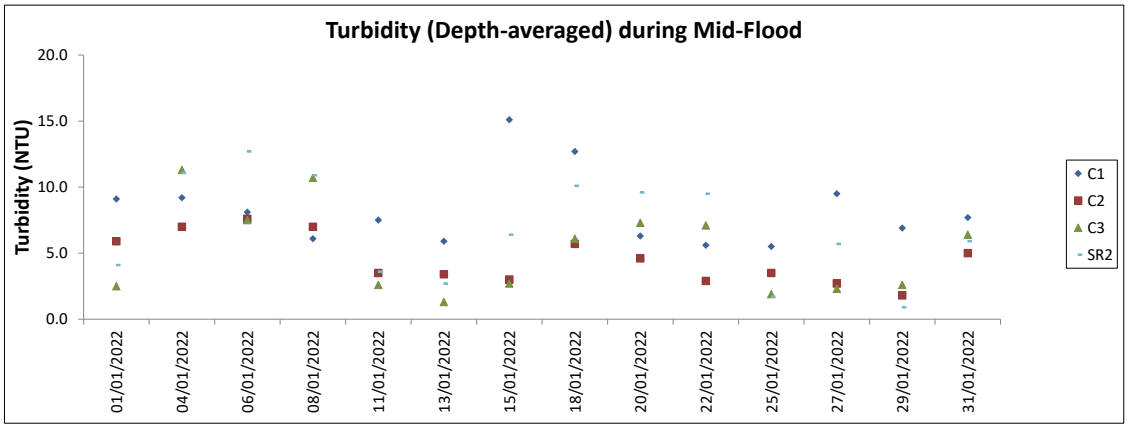


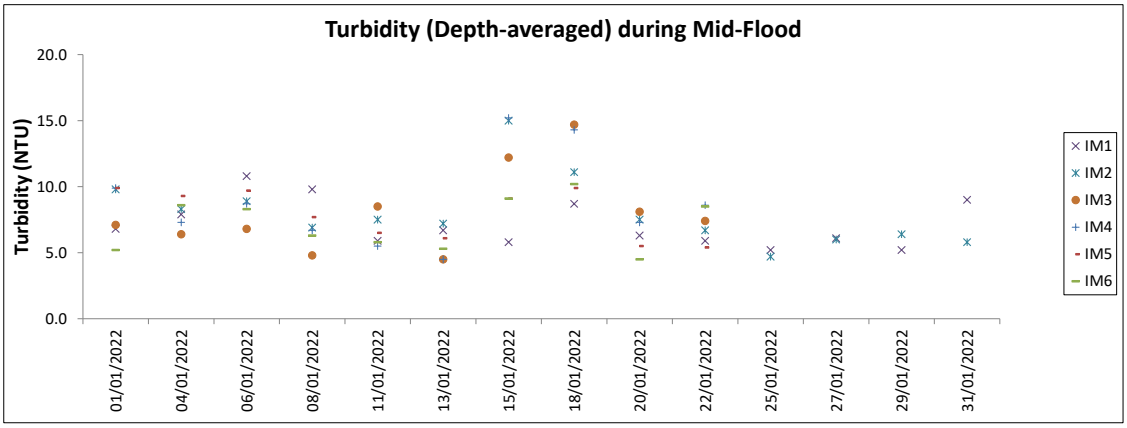


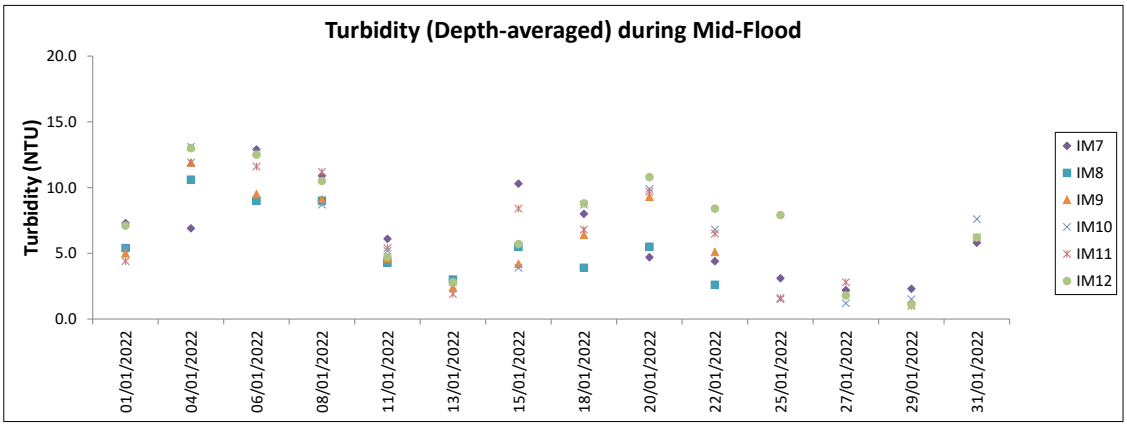


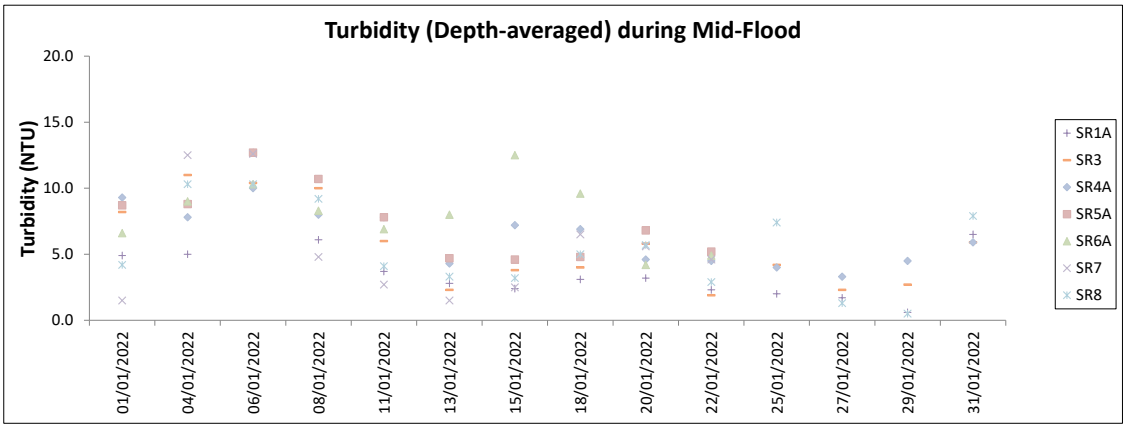


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.
Monitoring at IM3, IM4, IM5, IM6, IM8, IM9, SR5A, SR6A, SR7 were terminated after 25 January 2022.

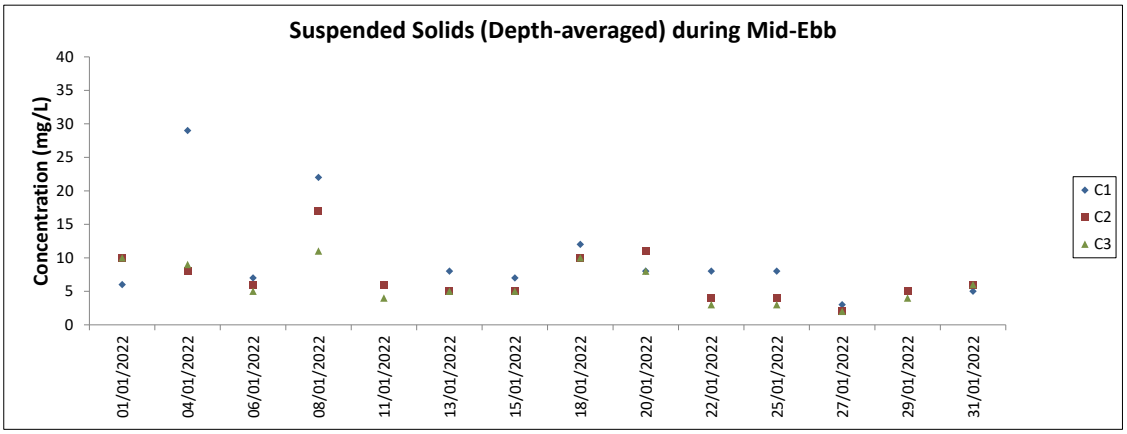


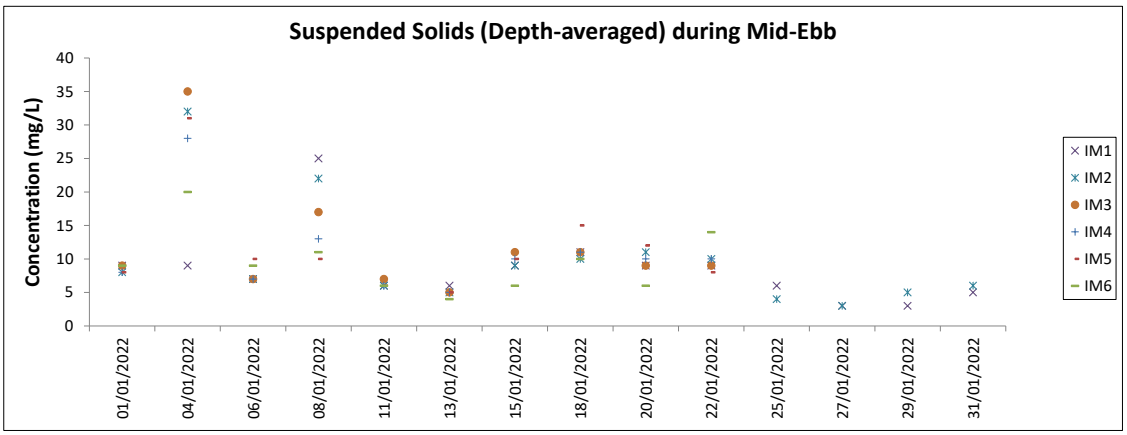


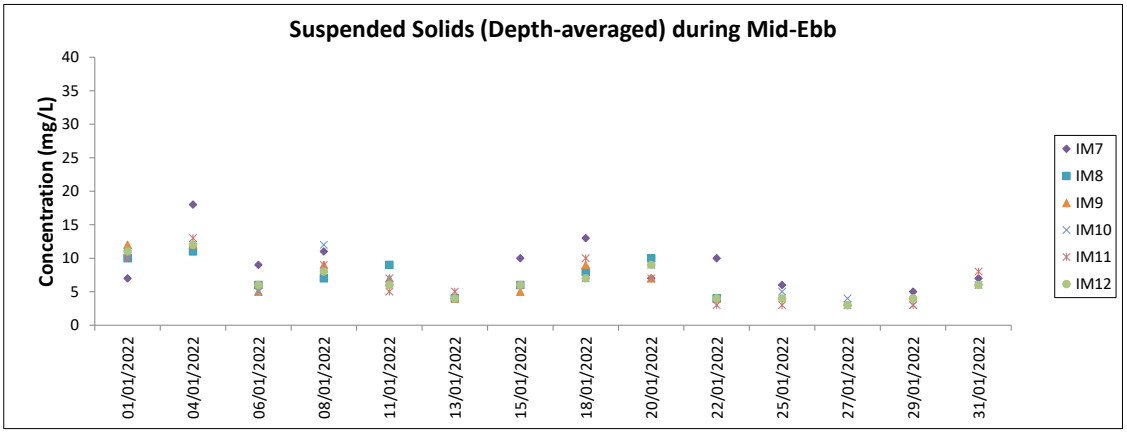


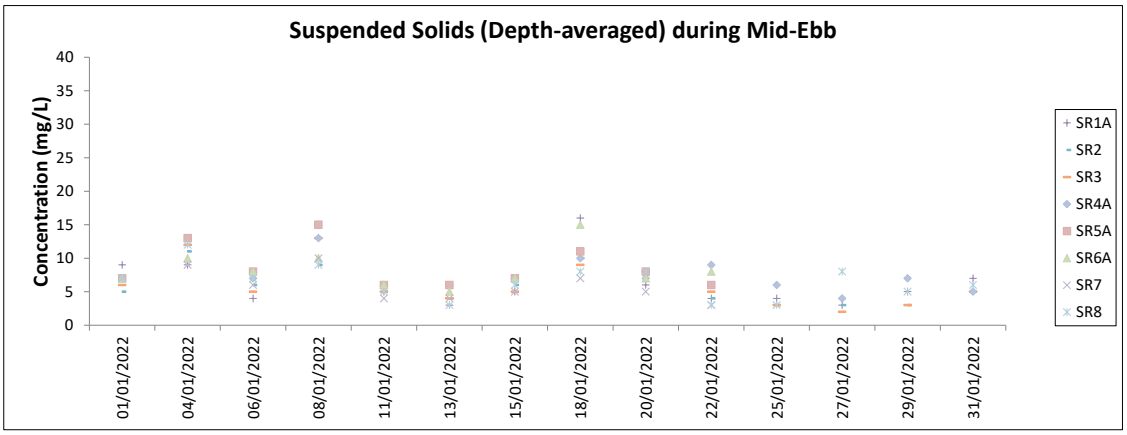


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

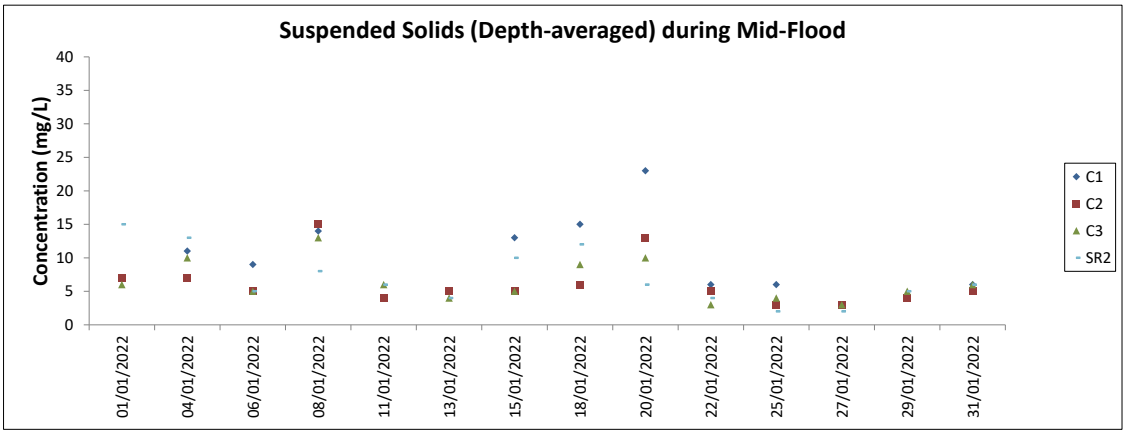


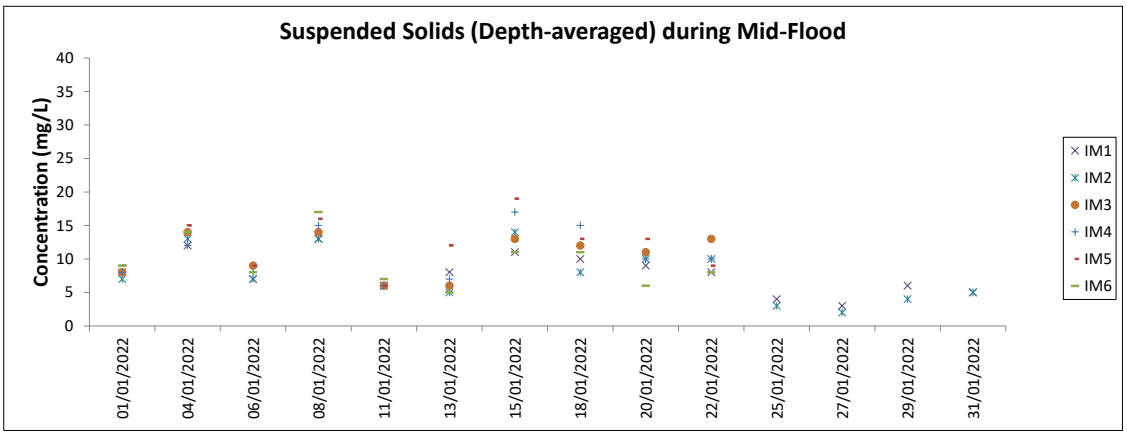


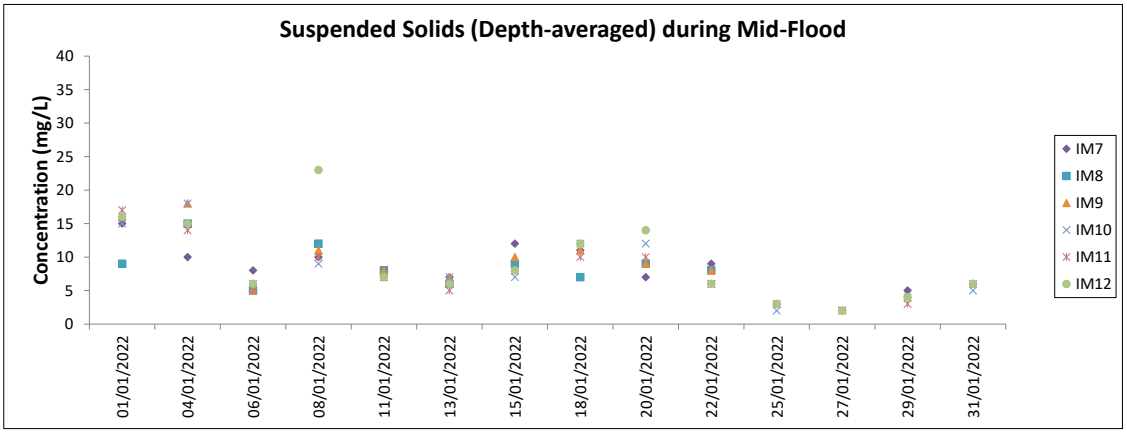


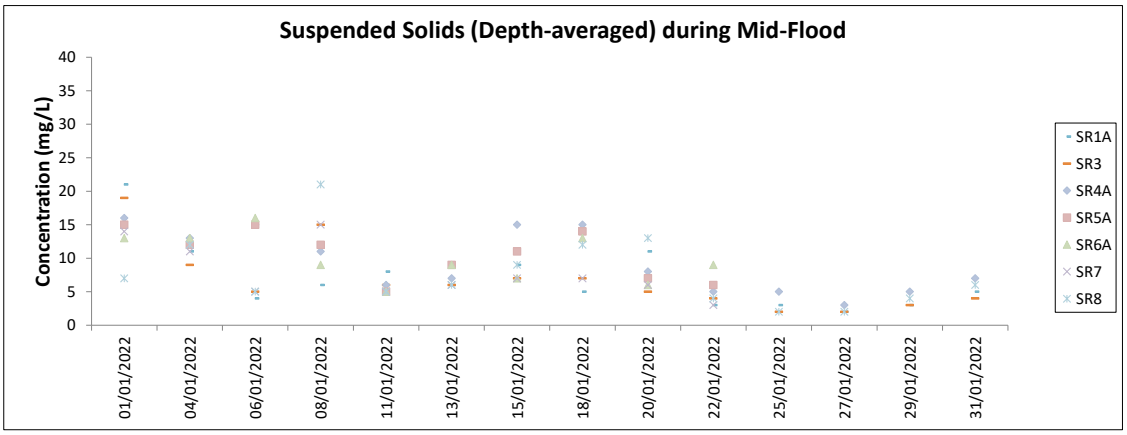


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.
Monitoring at IM3, IM4, IM5, IM6, IM8, IM9, SR5A, SR6A, SR7 were terminated after 25 January 2022.

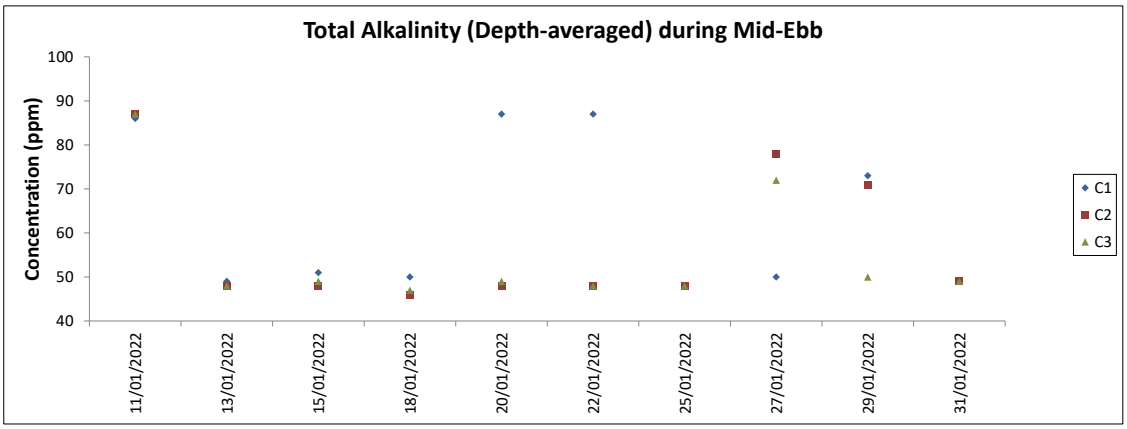


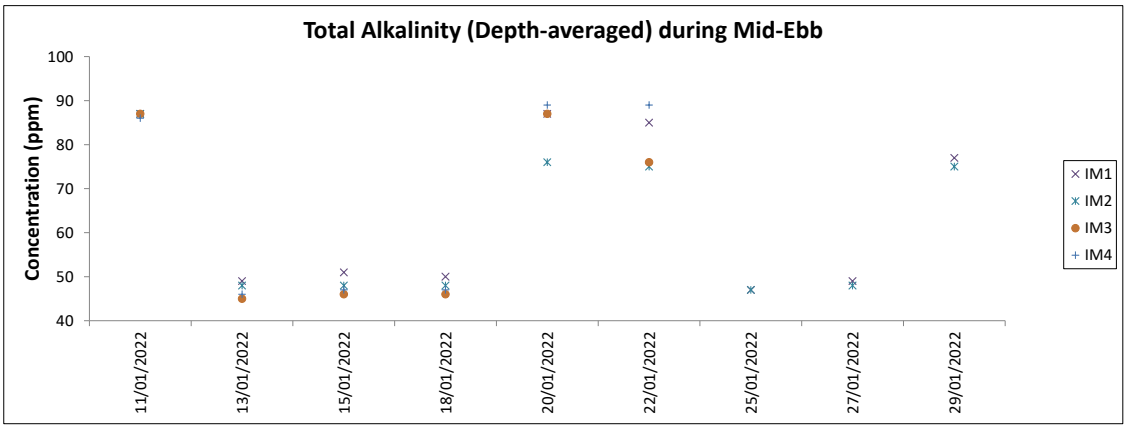


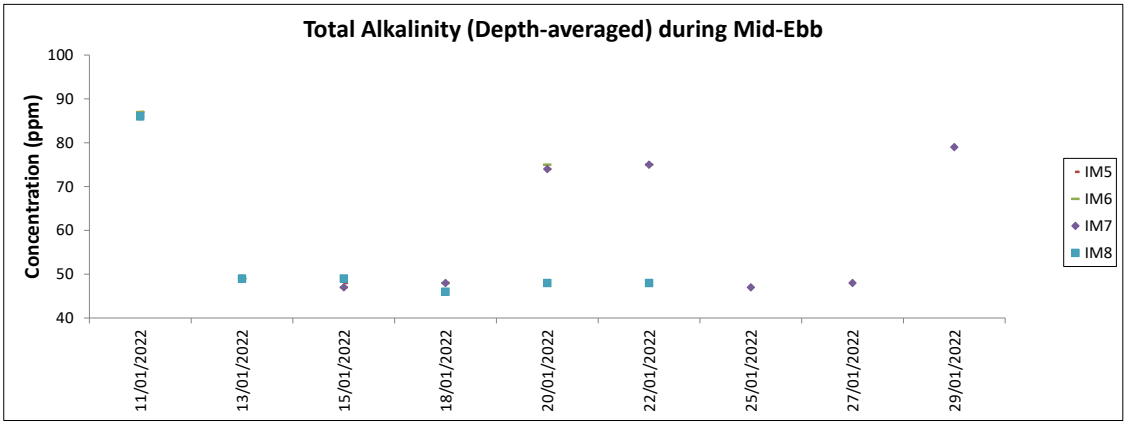


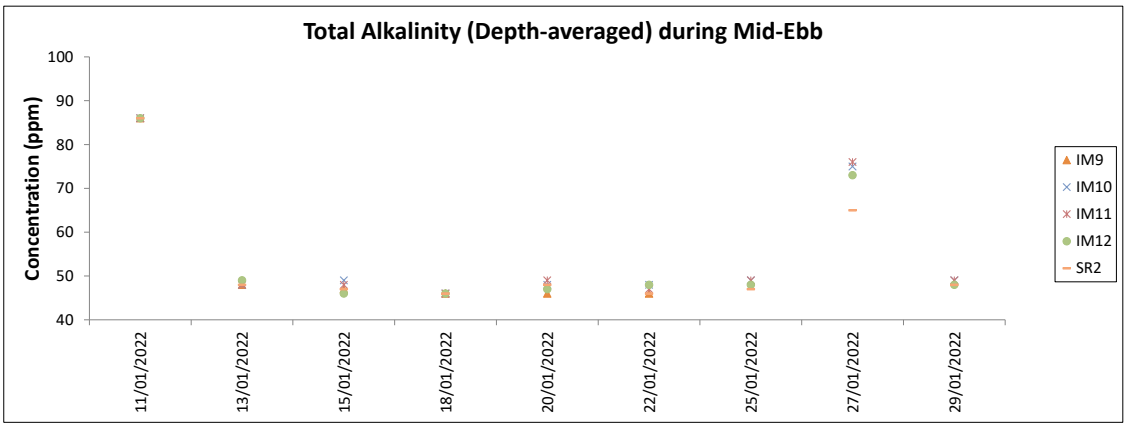


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.

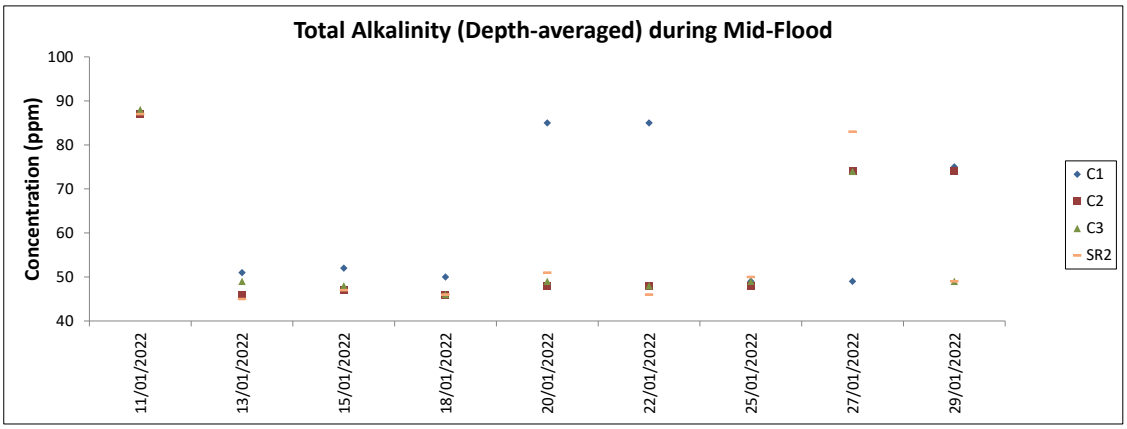


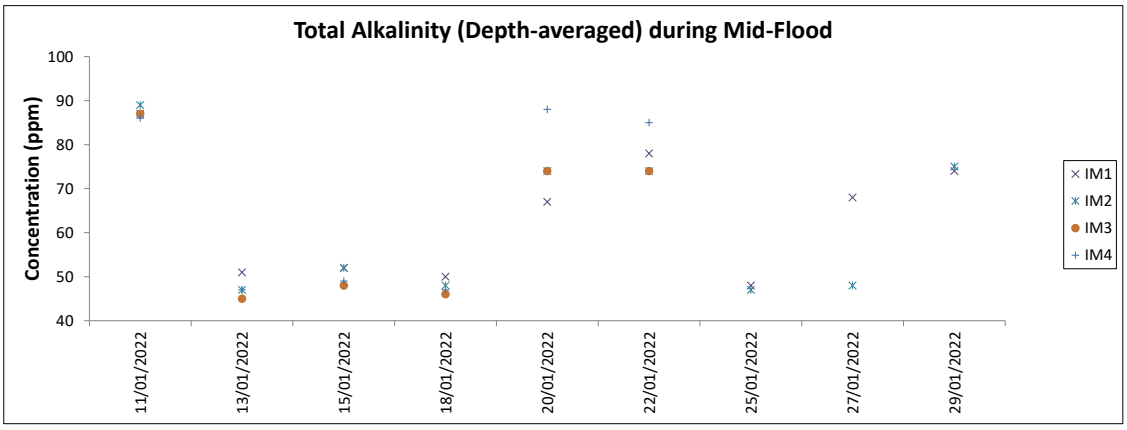


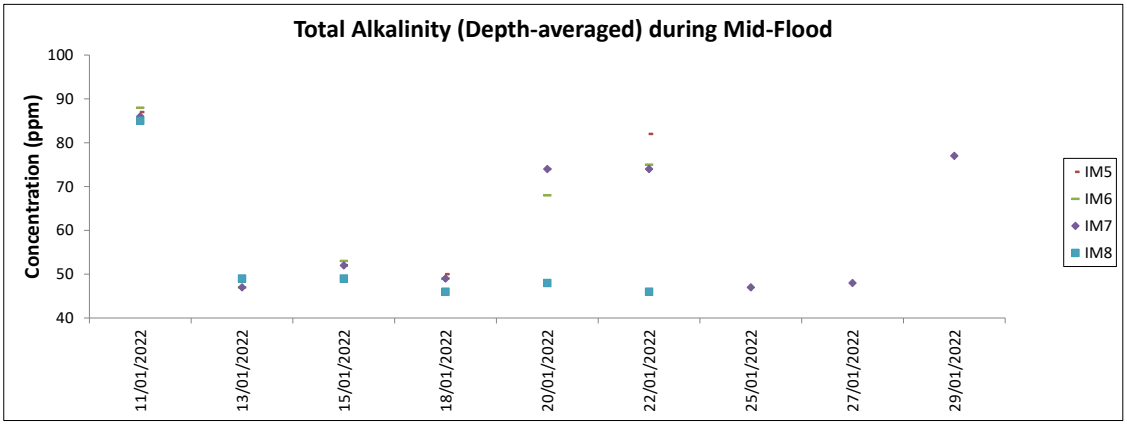


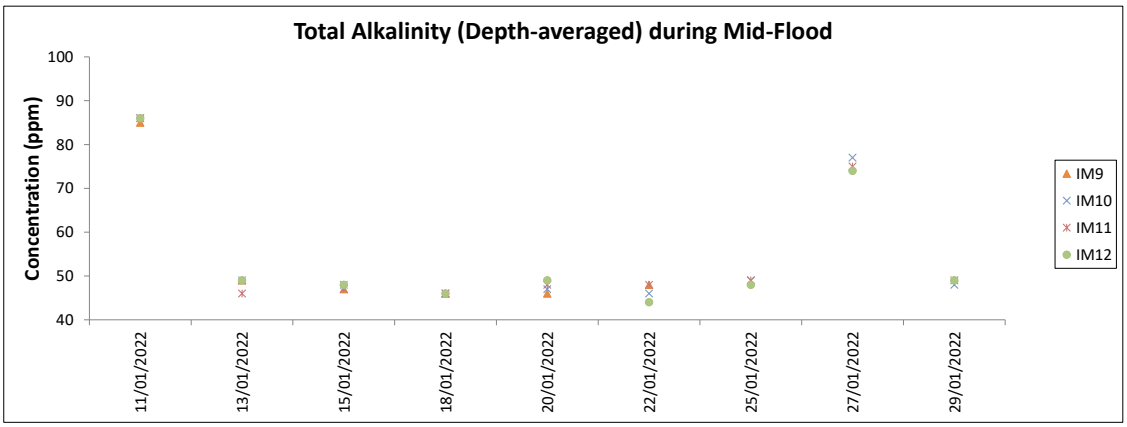


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.
Monitoring at IM3, IM4, IM5, IM6, IM8, IM9, SR5A, SR6A, SR7 were terminated after 25 January 2022.

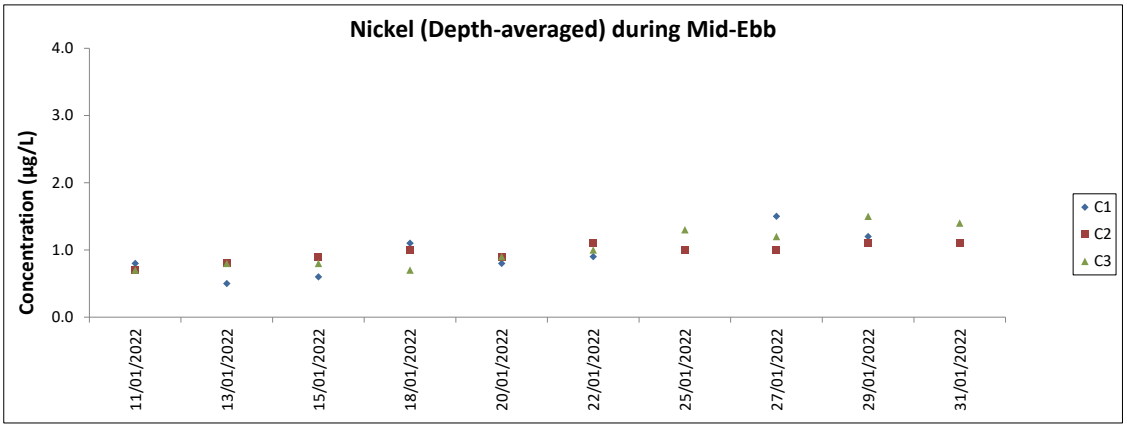


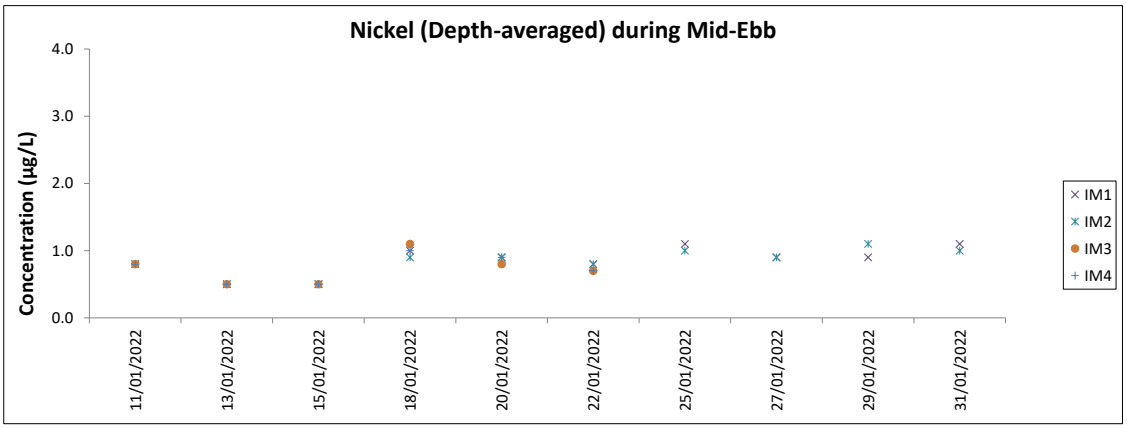


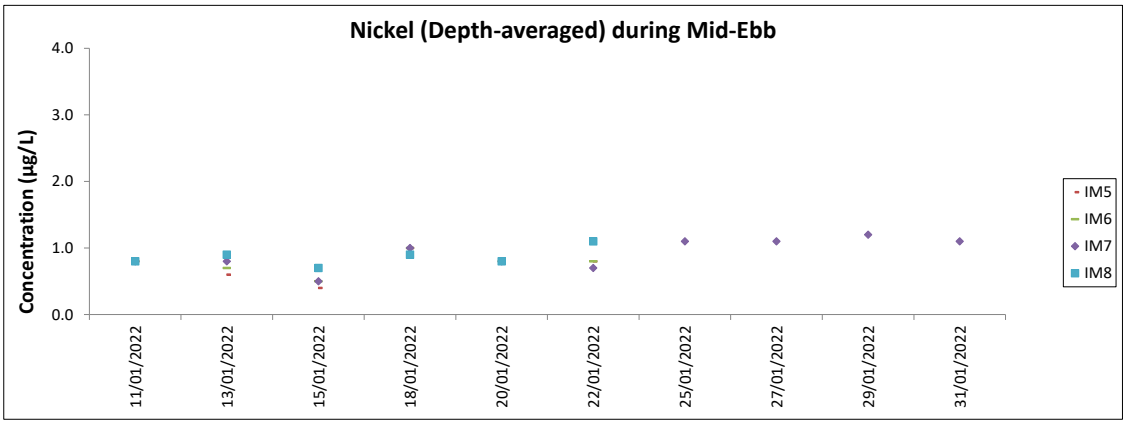


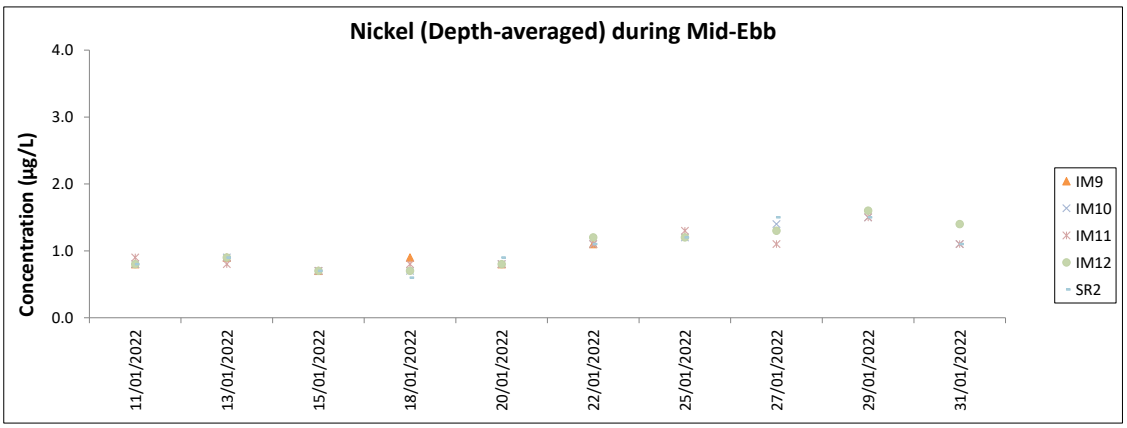


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

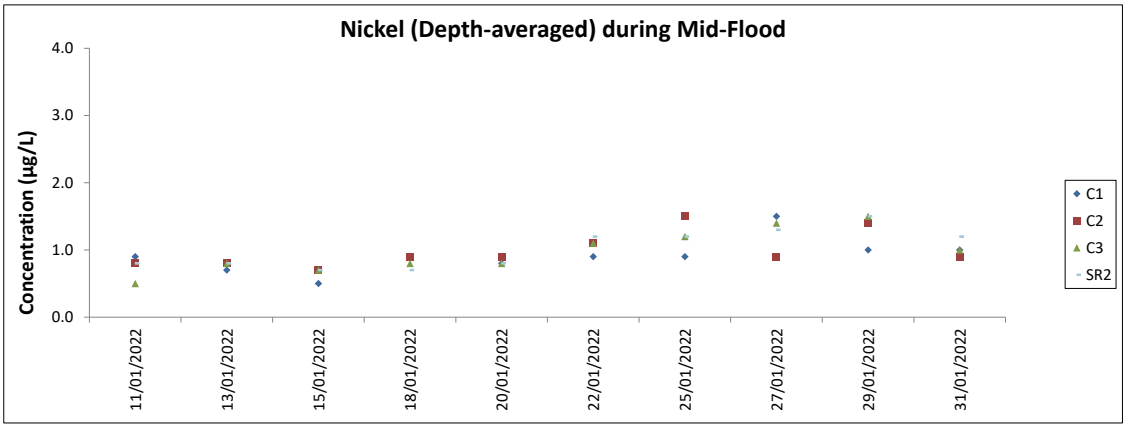


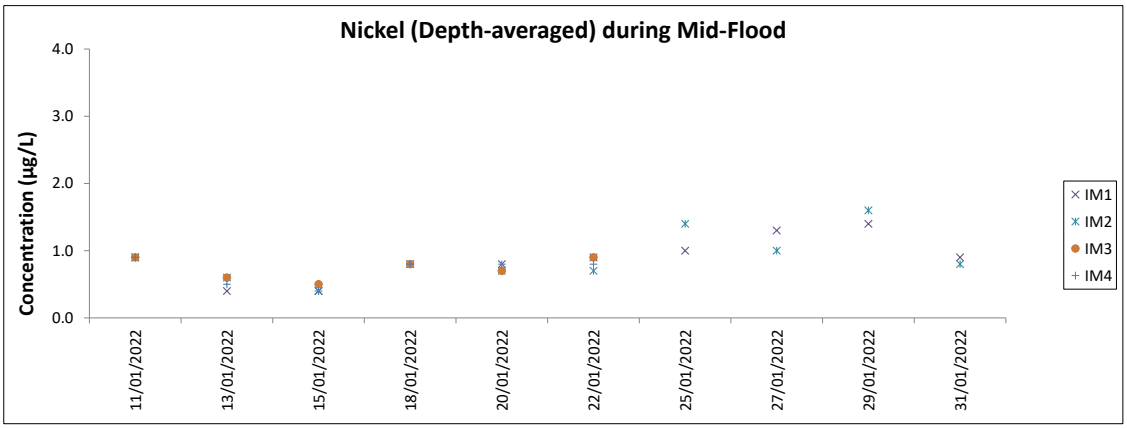


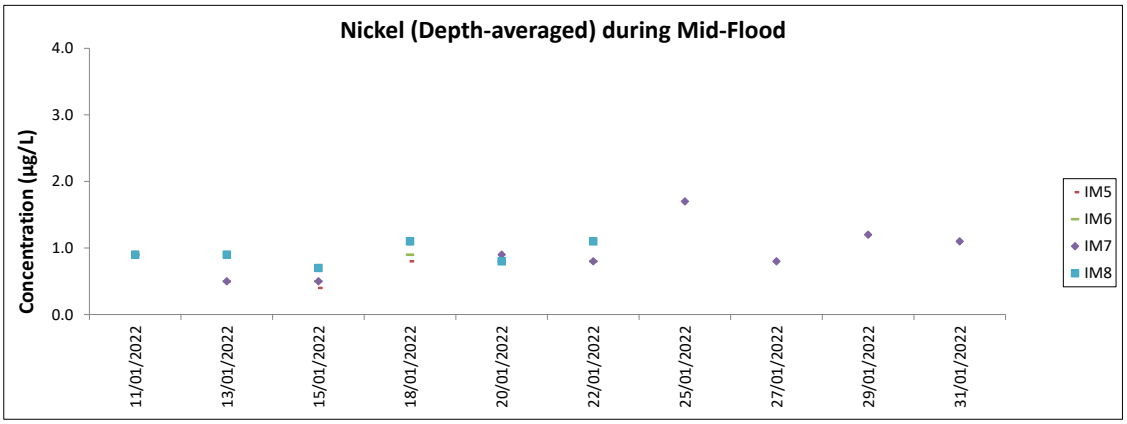


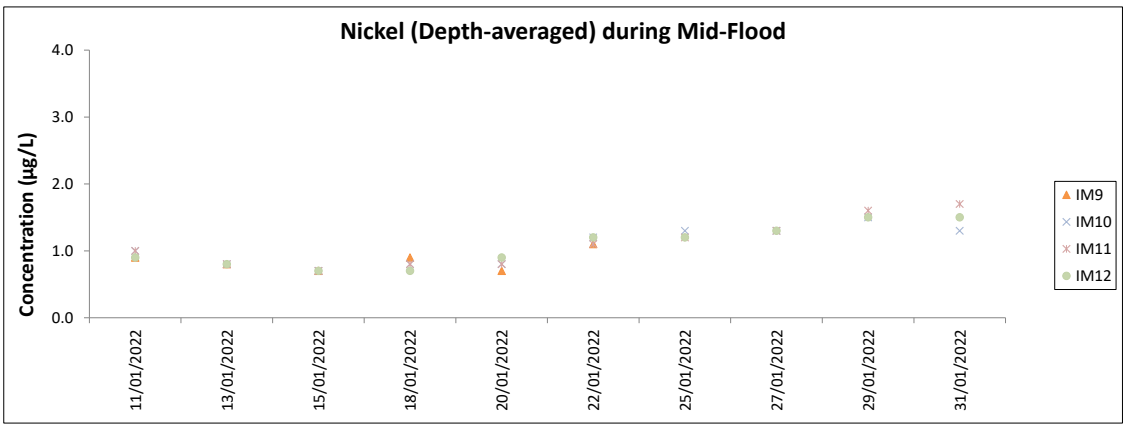


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
Monitoring at IM3, IM4, IM5, IM6, IM8, IM9, SR5A, SR6A, SR7 were terminated after 25 January 2022.

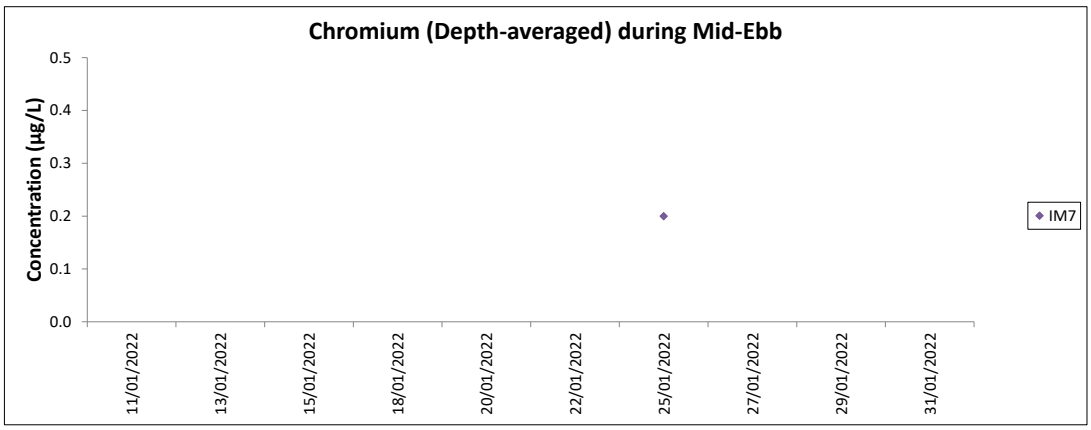


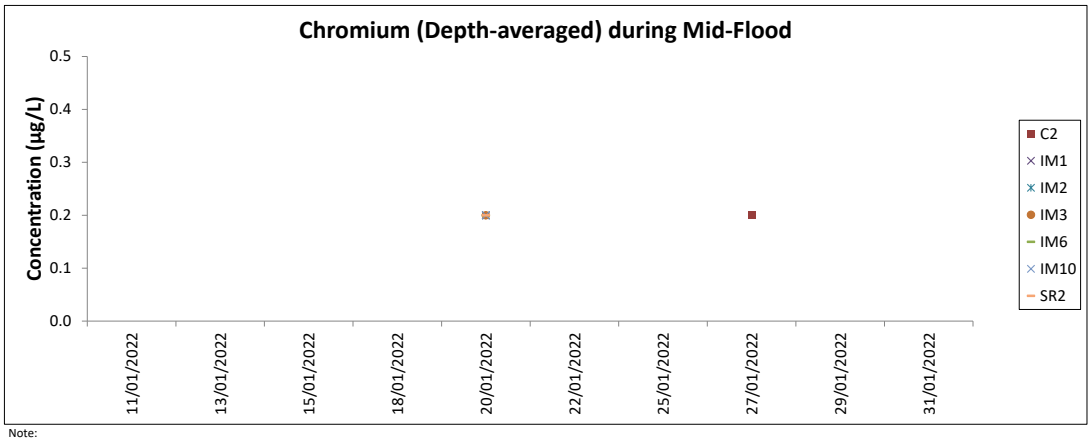






Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
Weather conditions during monitoring are presented in the data tables above.
QA/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





Note:
Monitoring at IM3, IM4, IM5, IM6, IM8, IM9, SR5A, SR6A, SR7 were terminated after 25 January 2022.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
2-Nov-21	NEL	2	3.500	AUTUMN	32166	3RS ET	P
2-Nov-21	NEL	3	25.180	AUTUMN	32166	3RS ET	P
2-Nov-21	NEL	4	8.390	AUTUMN	32166	3RS ET	P
2-Nov-21	NEL	2	2.700	AUTUMN	32166	3RS ET	S
2-Nov-21	NEL	3	6.030	AUTUMN	32166	3RS ET	S
2-Nov-21	NEL	4	0.900	AUTUMN	32166	3RS ET	S
3-Nov-21	AW	2	2.830	AUTUMN	32166	3RS ET	P
3-Nov-21	AW	3	1.910	AUTUMN	32166	3RS ET	P
3-Nov-21	WL	2	13.015	AUTUMN	32166	3RS ET	P
3-Nov-21	WL	3	4.635	AUTUMN	32166	3RS ET	P
3-Nov-21	WL	4	2.430	AUTUMN	32166	3RS ET	P
3-Nov-21	WL	2	5.150	AUTUMN	32166	3RS ET	S
3-Nov-21	WL	3	3.530	AUTUMN	32166	3RS ET	S
3-Nov-21	WL	4	2.100	AUTUMN	32166	3RS ET	S
4-Nov-21	AW	2	4.780	AUTUMN	32166	3RS ET	P
4-Nov-21	WL	2	15.006	AUTUMN	32166	3RS ET	P
4-Nov-21	WL	4	4.543	AUTUMN	32166	3RS ET	P
4-Nov-21	WL	2	6.324	AUTUMN	32166	3RS ET	S
4-Nov-21	WL	4	2.097	AUTUMN	32166	3RS ET	S
5-Nov-21	SWL	3	48.320	AUTUMN	32166	3RS ET	P
5-Nov-21	SWL	4	6.250	AUTUMN	32166	3RS ET	P
5-Nov-21	SWL	3	15.130	AUTUMN	32166	3RS ET	S
5-Nov-21	SWL	4	1.000	AUTUMN	32166	3RS ET	S
8-Nov-21	NEL	3	15.680	AUTUMN	32166	3RS ET	P
8-Nov-21	NEL	4	21.020	AUTUMN	32166	3RS ET	P
8-Nov-21	NEL	3	5.800	AUTUMN	32166	3RS ET	S
8-Nov-21	NEL	4	4.300	AUTUMN	32166	3RS ET	S
10-Nov-21	NWL	3	47.000	AUTUMN	32166	3RS ET	P
10-Nov-21	NWL	4	16.600	AUTUMN	32166	3RS ET	P
10-Nov-21	NWL	3	11.200	AUTUMN	32166	3RS ET	S
10-Nov-21	NWL	4	1.200	AUTUMN	32166	3RS ET	S
11-Nov-21	SWL	2	45.610	AUTUMN	32166	3RS ET	P
11-Nov-21	SWL	3	8.300	AUTUMN	32166	3RS ET	P
11-Nov-21	SWL	2	15.490	AUTUMN	32166	3RS ET	S
11-Nov-21	SWL	3	0.500	AUTUMN	32166	3RS ET	S
12-Nov-21	NWL	3	53.300	AUTUMN	32166	3RS ET	P
12-Nov-21	NWL	4	10.400	AUTUMN	32166	3RS ET	P
12-Nov-21	NWL	3	9.700	AUTUMN	32166	3RS ET	S
12-Nov-21	NWL	4	1.900	AUTUMN	32166	3RS ET	S
1-Dec-21	NEL	3	6.110	WINTER	32166	3RS ET	P
1-Dec-21	NEL	4	30.730	WINTER	32166	3RS ET	P
1-Dec-21	NEL	3	2.210	WINTER	32166	3RS ET	P
1-Dec-21	NEL	4	7.450	WINTER	32166	3RS ET	S
3-Dec-21	NWL	3	49.900	WINTER	32166	3RS ET	P
3-Dec-21	NWL	4	14.000	WINTER	32166	3RS ET	P
3-Dec-21	NWL	3	8.400	WINTER	32166	3RS ET	S
3-Dec-21	NWL	4	3.100	WINTER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
6-Dec-21	SWL	2	3.350	WINTER	32166	3RS ET	P
6-Dec-21	SWL	3	50.190	WINTER	32166	3RS ET	P
6-Dec-21	SWL	2	0.900	WINTER	32166	3RS ET	S
6-Dec-21	SWL	3	14.960	WINTER	32166	3RS ET	S
7-Dec-21	NWL	2	7.900	WINTER	32166	3RS ET	P
7-Dec-21	NWL	3	53.100	WINTER	32166	3RS ET	P
7-Dec-21	NWL	4	2.000	WINTER	32166	3RS ET	S
7-Dec-21	NWL	3	12.300	WINTER	32166	3RS ET	P
13-Dec-21	NEL	2	1.290	WINTER	32166	3RS ET	P
13-Dec-21	NEL	3	29.980	WINTER	32166	3RS ET	P
13-Dec-21	NEL	4	5.880	WINTER	32166	3RS ET	P
13-Dec-21	NEL	2	0.440	WINTER	32166	3RS ET	S
13-Dec-21	NEL	3	8.270	WINTER	32166	3RS ET	S
13-Dec-21	NEL	4	1.040	WINTER	32166	3RS ET	S
15-Dec-21	AW	2	4.940	WINTER	32166	3RS ET	P
15-Dec-21	WL	2	19.188	WINTER	32166	3RS ET	P
15-Dec-21	WL	2	10.482	WINTER	32166	3RS ET	S
16-Dec-21	SWL	2	28.760	WINTER	32166	3RS ET	P
16-Dec-21	SWL	3	26.150	WINTER	32166	3RS ET	P
16-Dec-21	SWL	2	6.185	WINTER	32166	3RS ET	S
16-Dec-21	SWL	3	8.280	WINTER	32166	3RS ET	S
17-Dec-21	AW	3	4.970	WINTER	32166	3RS ET	P
17-Dec-21	WL	3	11.890	WINTER	32166	3RS ET	P
17-Dec-21	WL	4	8.700	WINTER	32166	3RS ET	P
17-Dec-21	WL	3	6.710	WINTER	32166	3RS ET	S
17-Dec-21	WL	4	4.000	WINTER	32166	3RS ET	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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/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

Notes: CWD monitoring survey data of the two preceding survey months are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
3-Nov-21	1	1102	CWD	1	WL	2	63	ON	3RS ET	22.2610	113.8531	AUTUMN	NONE	S
3-Nov-21	2	1140	CWD	2	WL	2	229	ON	3RS ET	22.2414	113.8311	AUTUMN	NONE	P
3-Nov-21	3	1248	CWD	1	WL	4	75	ON	3RS ET	22.1869	113.8395	AUTUMN	NONE	P
4-Nov-21	1	1038	CWD	3	WL	2	87	ON	3RS ET	22.2664	113.8593	AUTUMN	NONE	S
4-Nov-21	2	1101	CWD	7	WL	2	296	ON	3RS ET	22.2603	113.8428	AUTUMN	NONE	P
4-Nov-21	3	1154	CWD	6	WL	2	286	ON	3RS ET	22.2244	113.8372	AUTUMN	NONE	S
4-Nov-21	4	1224	CWD	1	WL	2	171	ON	3RS ET	22.2240	113.8236	AUTUMN	NONE	P
4-Nov-21	5	1242	CWD	5	WL	2	32	ON	3RS ET	22.2142	113.8315	AUTUMN	NONE	P
5-Nov-21	1	1306	FP	2	SWL	3	95	ON	3RS ET	22.1643	113.8970	AUTUMN	NONE	P
11-Nov-21	1	1456	CWD	7	SWL	3	375	ON	3RS ET	22.1853	113.8486	AUTUMN	NONE	P
6-Dec-21	1	1119	FP	1	SWL	3	11	ON	3RS ET	22.1765	113.9280	WINTER	NONE	P
6-Dec-21	2	1504	CWD	3	SWL	3	22	ON	3RS ET	22.1878	113.8497	WINTER	NONE	P
7-Dec-21	1	0945	CWD	1	NWL	2	N/A	OFF	3RS ET	22.3983	113.8873	WINTER	NONE	N/A
15-Dec-21	1	1043	CWD	4	WL	2	471	ON	3RS ET	22.2500	113.8357	WINTER	NONE	P
15-Dec-21	2	1112	CWD	1	WL	2	113	ON	3RS ET	22.2415	113.8315	WINTER	NONE	P
16-Dec-21	1	1333	CWD	5	SWL	2	134	ON	3RS ET	22.1885	113.8880	WINTER	NONE	P
16-Dec-21	2	1448	CWD	1	SWL	2	16	ON	3RS ET	22.1989	113.8685	WINTER	NONE	P
16-Dec-21	3	1507	CWD	3	SWL	2	63	ON	3RS ET	22.1998	113.8622	WINTER	GILLNETTER	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

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
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

Abbreviations: STG# = Sighting Number; GP SZ = Group Size; BEAU = Beaufort Sea State; PSD = Perpendicular Distance (in metres); N/A = Not Applicable; DEC LAT = Latitude (WGS84 in Decimal), DEC LON = Longitude (WGS84 in Decimal); BOAT ASSOC. = Fishing Boat Association; P/S = Primary Transect / Secondary Transect

Notes:

CWD monitoring survey data of the two preceding survey months are presented for reference only. No relevant figure or text will be mentioned in this monthly EM&A report.

Sighting data of finless porpoise (FP) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report. All FP sightings are excluded in calculation.

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

A total of 416.288 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 22 on-effort sightings and total number of 84 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in January 2022 are shown as below:

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

$$STG = \frac{22}{416.288}\ x\ 100 = 5.28$$

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

$$ANI = \frac{84}{416.288}\ x\ 100 = 20.18$$

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

A total of 1163.763 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 36 on-effort sightings and total number of 133 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)

$$STG = \frac{36}{1163.763}\ x\ 100 = 3.09$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{133}{1163.763}\ x\ 100 = 11.43$$

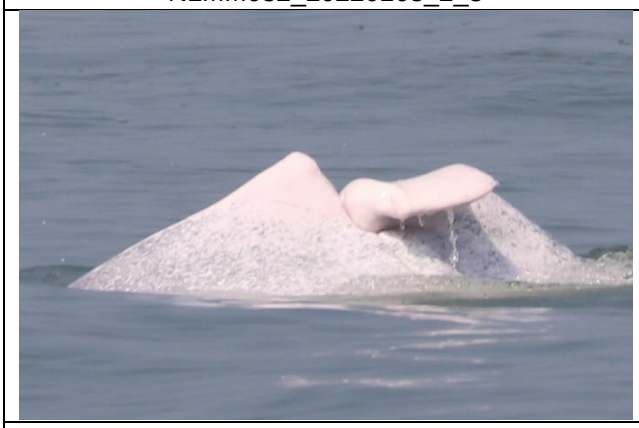
CWD Small Vessel Line-transect Survey **Photo Identification**

WLMM027_20220103_2_6

WLMM131_20220103_2_1

NLMM082_20220103_2_8

NLMM083_20220103_2_9



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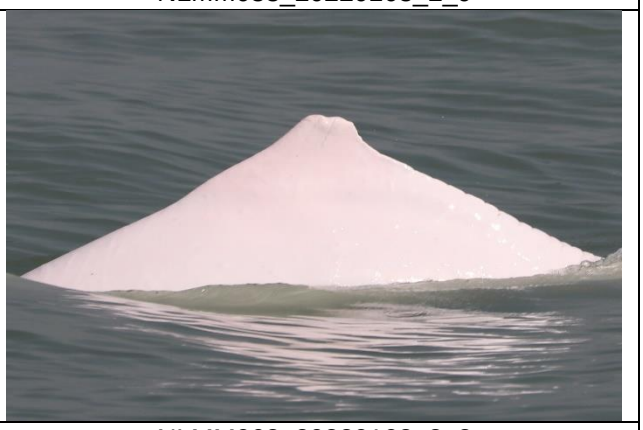

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WLMM065_20220103_3_5

SLMM030_20220105_1_6

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WLMM165_20220105_2_5	WLMM095_20220105_4_1
SLMM055_20220105_5_3	WLMM065_20220105_5_2
WLMM065_20220105_6_1	WLMM003_20220105_7_1

WLMM073_20220105_7_1	WLMM118_20220105_7_1
SLMM044_20220105_8_2	WLMM003_20220105_8_2
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	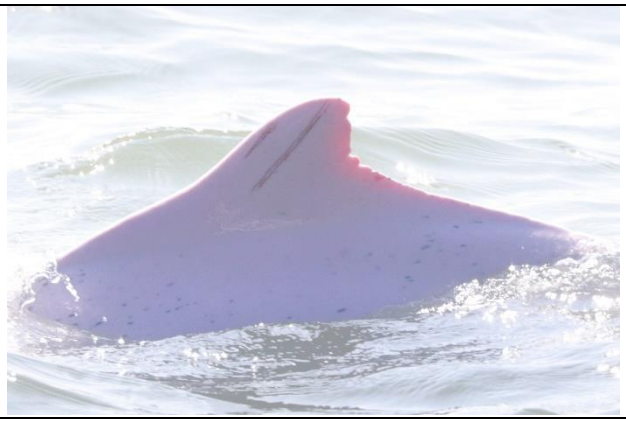
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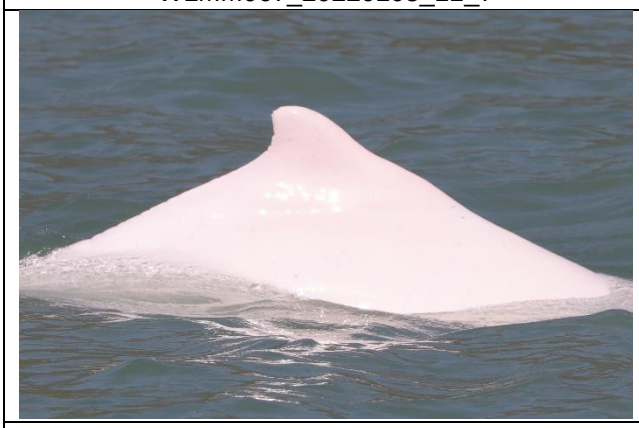	
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SLMM073_20220105_13_7	WLMM001_20220105_13_8

WLMM003_20220105_13_5	WLMM118_20220105_13_3
WLMM171_20220105_13_13	WLMM079_20220110_2_1
SLMM007_20220110_3_4	SLMM010_20220110_3_5
SLMM029_20220110_3_5	SLMM073_20220110_3_1

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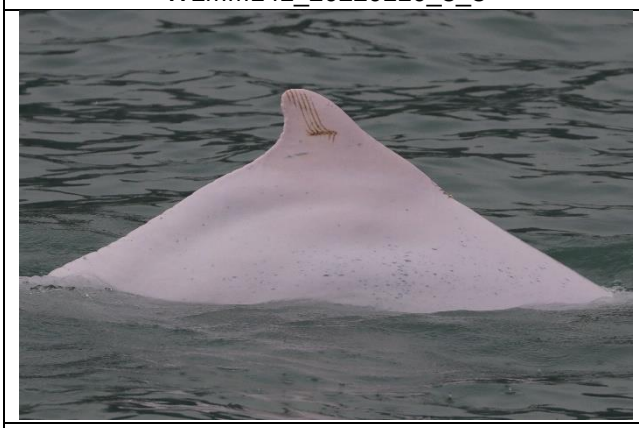	
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WLMM067_20220119_2_2	

CWD Land-based Theodolite Tracking Survey

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
17/Jan/22	Sha Chau	10:42	16:42	6:00	2	3	0	-
24/Jan/22	Lung Kwu Chau	9:28	15:28	6:00	2	3-4	0	-

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