Appendix D. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

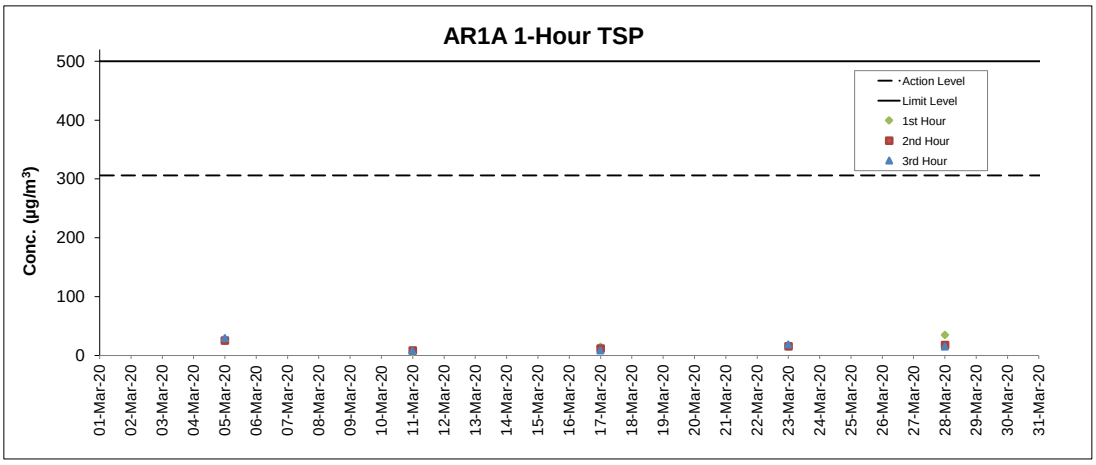
Station: AR1A- Man Tung Road Park

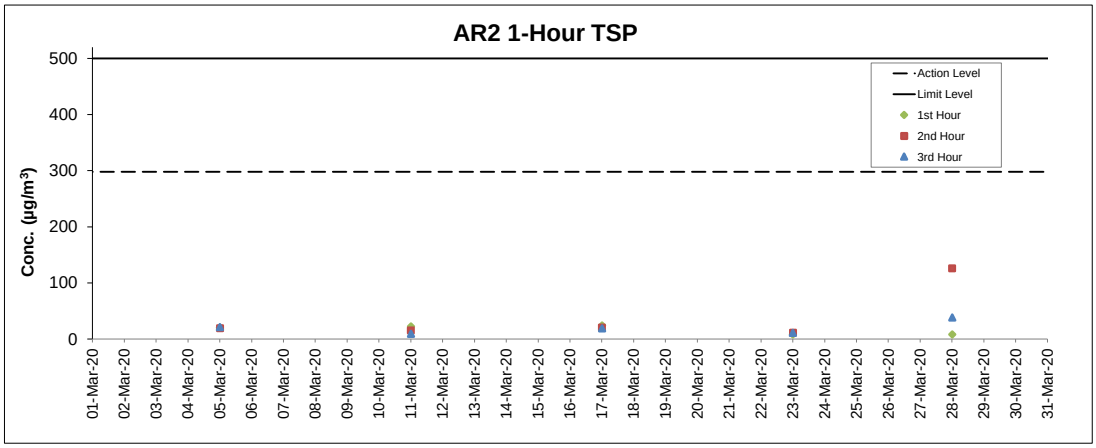
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
05-Mar-20	13:30	Cloudy	3.3	55	25	306	500
05-Mar-20	14:30	Cloudy	3.3	73	26	306	500
05-Mar-20	15:30	Cloudy	2.8	73	30	306	500
11-Mar-20	13:45	Cloudy	8.1	79	6	306	500
11-Mar-20	14:45	Cloudy	6.9	100	9	306	500
11-Mar-20	15:45	Cloudy	7.2	96	8	306	500
17-Mar-20	13:31	Cloudy	4.7	418	15	306	500
17-Mar-20	14:31	Cloudy	4.2	348	12	306	500
17-Mar-20	15:31	Cloudy	5.3	245	9	306	500
23-Mar-20	13:45	Sunny	6.4	243	16	306	500
23-Mar-20	14:45	Sunny	6.7	238	16	306	500
23-Mar-20	15:45	Sunny	5.3	235	19	306	500
28-Mar-20	14:10	Drizzle	2.2	254	35	306	500
28-Mar-20	15:10	Drizzle	2.8	282	18	306	500
28-Mar-20	16:10	Drizzle	3.9	277	15	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
05-Mar-20	9:55	Cloudy	5.8	52	20	298	500
05-Mar-20	10:55	Cloudy	4.2	59	19	298	500
05-Mar-20	11:55	Cloudy	5.0	83	21	298	500
11-Mar-20	9:35	Drizzle	5.6	77	22	298	500
11-Mar-20	10:35	Drizzle	5.0	82	15	298	500
11-Mar-20	11:35	Drizzle	6.4	87	9	298	500
17-Mar-20	9:24	Cloudy	6.4	80	24	298	500
17-Mar-20	10:24	Cloudy	8.1	92	20	298	500
17-Mar-20	11:24	Cloudy	6.1	76	19	298	500
23-Mar-20	9:24	Sunny	2.8	301	8	298	500
23-Mar-20	10:24	Sunny	2.5	255	11	298	500
23-Mar-20	11:24	Sunny	4.2	262	11	298	500
28-Mar-20	9:10	Cloudy	2.2	82	8	298	500
28-Mar-20	11:10	Rainy	3.3	296	126	298	500
28-Mar-20	12:25	Drizzle	7.2	308	38	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)
05-Mar-20	Cloudy	14:26	72.6	51.9	73
05-Mar-20	Cloudy	14:31	75.2	53.8	
05-Mar-20	Cloudy	14:36	73.6	52.1	
05-Mar-20	Cloudy	14:41	70.9	49.9	
05-Mar-20	Cloudy	14:46	71.7	50.8	
05-Mar-20	Cloudy	14:51	73.0	50.7	
11-Mar-20	Cloudy	15:26	70.4	51.8	70
11-Mar-20	Cloudy	15:31	71.3	53.0	
11-Mar-20	Cloudy	15:36	70.8	52.3	
11-Mar-20	Cloudy	15:41	72.0	52.8	
11-Mar-20	Cloudy	15:46	71.0	52.9	
11-Mar-20	Cloudy	15:51	69.3	52.0	
17-Mar-20	Cloudy	14:39	71.3	51.9	70
17-Mar-20	Cloudy	14:44	71.9	51.5	
17-Mar-20	Cloudy	14:49	71.7	50.8	
17-Mar-20	Cloudy	14:54	69.2	49.5	
17-Mar-20	Cloudy	14:59	73.0	51.0	
17-Mar-20	Cloudy	15:04	70.6	51.4	
23-Mar-20	Cloudy	14:25	70.3	49.5	70
23-Mar-20	Cloudy	14:30	70.0	49.2	
23-Mar-20	Cloudy	14:35	72.3	50.4	
23-Mar-20	Cloudy	14:40	69.8	50.0	
23-Mar-20	Cloudy	14:45	70.4	49.2	
23-Mar-20	Cloudy	14:50	69.0	53.9	

Remarks:
+3dB (A) correction 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)
05-Mar-20	Drizzle	13:26	62.2	55.9	62
05-Mar-20	Drizzle	13:31	61.2	56.5	
05-Mar-20	Drizzle	13:36	60.5	54.3	
05-Mar-20	Drizzle	13:41	59.5	54.6	
05-Mar-20	Drizzle	13:46	60.1	55.2	
05-Mar-20	Drizzle	13:51	61.0	55.3	
11-Mar-20	Cloudy	13:47	61.5	56.1	63
11-Mar-20	Cloudy	13:52	61.9	56.6	
11-Mar-20	Cloudy	13:57	61.6	56.9	
11-Mar-20	Cloudy	14:02	62.2	56.8	
11-Mar-20	Cloudy	14:07	62.9	56.8	
11-Mar-20	Cloudy	14:12	60.6	56.4	
17-Mar-20	Cloudy	15:41	62.2	57.7	63
17-Mar-20	Cloudy	15:46	62.2	56.9	
17-Mar-20	Cloudy	15:51	60.3	55.0	
17-Mar-20	Cloudy	15:56	61.3	55.6	
17-Mar-20	Cloudy	16:01	60.3	55.9	
17-Mar-20	Cloudy	16:06	61.8	57.7	
23-Mar-20	Cloudy	13:35	63.4	58.3	64
23-Mar-20	Cloudy	13:40	61.8	56.8	
23-Mar-20	Cloudy	13:45	63.7	57.2	
23-Mar-20	Cloudy	13:50	62.3	57.1	
23-Mar-20	Cloudy	13:55	60.7	56.6	
23-Mar-20	Cloudy	14:00	62.5	57.5	

Remarks:
+3dB (A) correction was applied to free-field measurement.

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

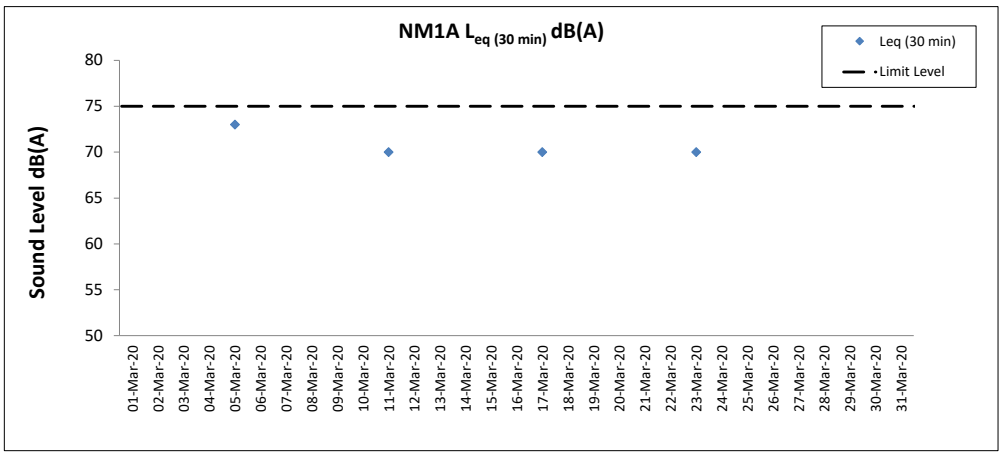
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
05-Mar-20	Drizzle	10:11	58.3	49.0	57
05-Mar-20	Drizzle	10:16	52.2	48.5	
05-Mar-20	Drizzle	10:21	53.7	48.6	
05-Mar-20	Drizzle	10:26	59.4	49.7	
05-Mar-20	Drizzle	10:31	57.0	48.6	
05-Mar-20	Drizzle	10:36	56.6	50.4	
11-Mar-20	Drizzle	9:52	52.7	49.4	57
11-Mar-20	Drizzle	9:57	55.1	50.3	
11-Mar-20	Drizzle	10:02	60.4	50.6	
11-Mar-20	Drizzle	10:07	53.3	50.5	
11-Mar-20	Drizzle	10:12	54.4	50.4	
11-Mar-20	Drizzle	10:17	55.5	50.0	
17-Mar-20	Cloudy	9:36	53.0	50.2	57
17-Mar-20	Cloudy	9:41	55.7	50.7	
17-Mar-20	Cloudy	9:46	54.0	50.6	
17-Mar-20	Cloudy	9:51	54.8	51.8	
17-Mar-20	Cloudy	9:56	58.6	51.3	
17-Mar-20	Cloudy	10:01	53.8	51.1	
23-Mar-20	Sunny	9:32	53.7	46.1	62
23-Mar-20	Sunny	9:37	52.3	45.2	
23-Mar-20	Sunny	9:42	56.6	44.0	
23-Mar-20	Sunny	9:47	56.6	45.2	
23-Mar-20	Sunny	9:52	58.2	45.3	
23-Mar-20	Sunny	9:57	61.3	46.0	

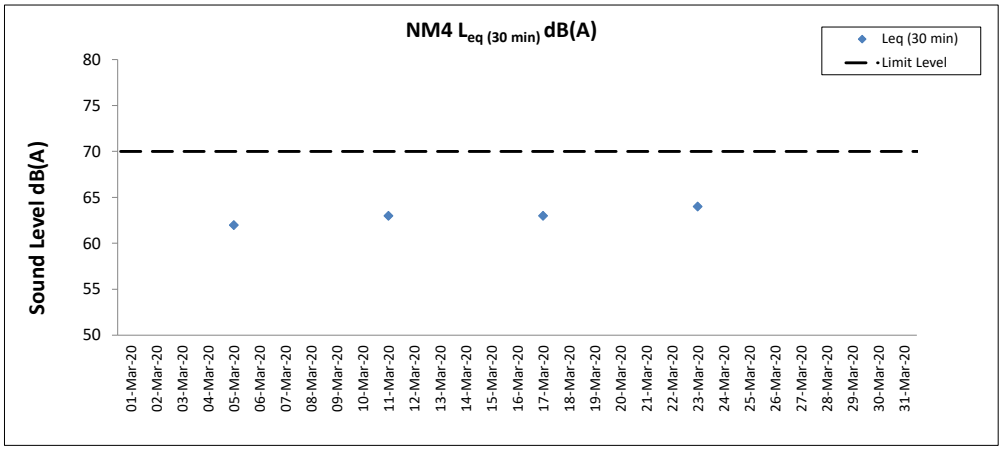
Remarks:
+3dB (A) correction was applied to free-field measurement.

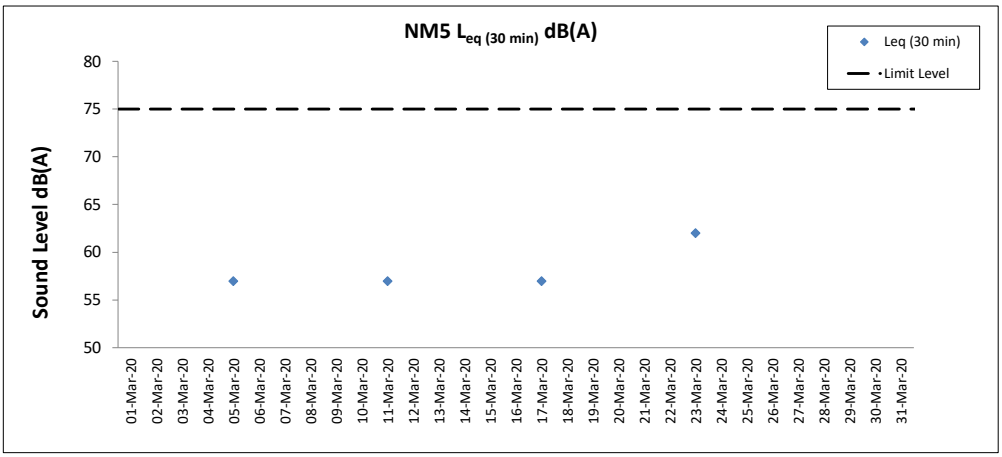
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

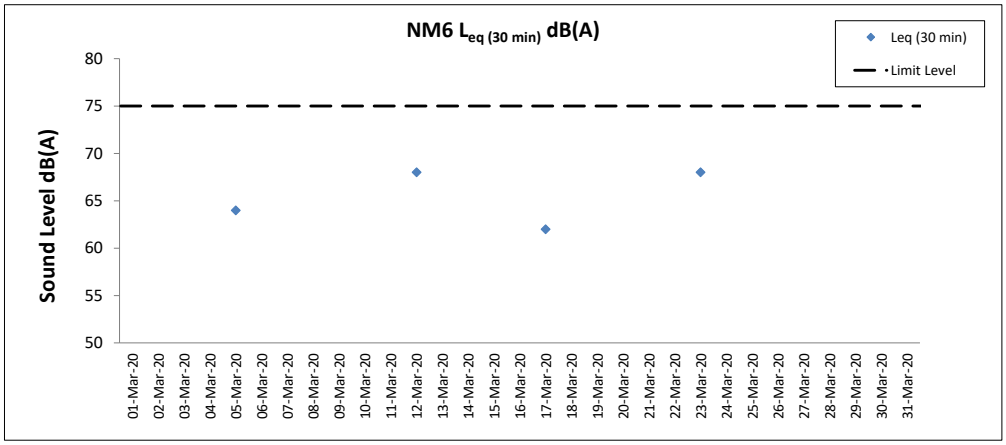
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
05-Mar-20	Cloudy	15:41	66.7	53.8	64
05-Mar-20	Cloudy	15:46	55.1	45.5	
05-Mar-20	Cloudy	15:51	67.8	48.8	
05-Mar-20	Cloudy	15:56	62.3	44.9	
05-Mar-20	Cloudy	16:01	65.6	44.2	
05-Mar-20	Cloudy	16:06	61.7	43.8	
12-Mar-20	Cloudy	15:42	68.2	46.9	68
12-Mar-20	Cloudy	15:47	65.5	45.6	
12-Mar-20	Cloudy	15:52	71.0	50.2	
12-Mar-20	Cloudy	15:57	65.6	49.4	
12-Mar-20	Cloudy	16:02	67.0	49.2	
12-Mar-20	Cloudy	16:07	68.7	48.7	
17-Mar-20	Cloudy	13:11	58.5	44.9	62
17-Mar-20	Cloudy	13:16	56.4	43.4	
17-Mar-20	Cloudy	13:21	53.9	45.5	
17-Mar-20	Cloudy	13:26	70.3	55.3	
17-Mar-20	Cloudy	13:31	76.3	53.7	
17-Mar-20	Cloudy	13:36	61.8	47.7	
23-Mar-20	Cloudy	15:41	69.8	49.9	68
23-Mar-20	Cloudy	15:46	70.1	47.7	
23-Mar-20	Cloudy	15:51	71.2	50.1	
23-Mar-20	Cloudy	15:56	71.0	50.2	
23-Mar-20	Cloudy	16:01	67.0	43.7	
23-Mar-20	Cloudy	16:06	66.4	39.2	

Remarks:
+3dB (A) correction was applied to free-field measurement.









Notes

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

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 March 20 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	18:45	8.1	Surface	1.0	0.2	244	19.9	19.9	8.2	8.2	32.6	32.6	105.4	105.4	7.9	7.9	1.9	2.6	4	5	83	89	815610	804231	<0.2	<0.2	0.9	0.6
						1.0	0.2	254	19.9		8.2		32.6		105.4		7.9		1.9		5		88				<0.2		0.8	
					Middle	4.1	0.1	163	19.9	19.9	8.2	8.2	32.9	32.9	104.2	104.1	7.8		1.9		5		89				<0.2		0.5	
						4.1	0.1	164	19.9		8.2		32.9		104.0		7.8		1.9		5		89				<0.2		0.5	
					Bottom	7.1	0.1	207	19.7	19.7	8.2	8.2	33.4	33.4	99.6	99.6	7.5	7.5	4.1		5		91				<0.2		0.4	
						7.1	0.1	223	19.7		8.2		33.4		99.6		7.5		4.1		6		91				<0.2		0.4	
C2	Cloudy	Moderate	17:35	12.4	Surface	1.0	0.1	158	20.4	20.4	7.9	7.9	29.1	29.1	94.6	94.5	7.2	7.1	1.9	4.5	4	4	86	89	825665	806948	<0.2	<0.2	0.3	0.3
						1.0	0.1	158	20.4		7.9		29.1		94.4		7.2		1.9		3		88				<0.2		0.3	
					Middle	6.2	0.2	138	20.3	20.3	7.9	7.9	29.4	29.4	92.4	92.4	7.0		2.0		4		88				<0.2		0.3	
						6.2	0.2	143	20.3		7.9		29.4		92.3		7.0		2.1		3		89				<0.2		0.3	
					Bottom	11.4	0.2	152	19.9	19.9	7.9	7.9	30.5	30.5	83.3	83.4	6.3	6.3	9.7		4		90				<0.2		0.3	
						11.4	0.2	160	19.9		7.9		30.5		83.4		6.3		9.5		3		90				<0.2		0.3	
C3	Cloudy	Moderate	19:16	12.0	Surface	1.0	0.4	55	19.9	19.9	8.0	8.0	31.2	31.2	92.8	92.8	7.0	7.0	2.5	3.2	3	4	86	89	822106	817819	<0.2	<0.2	0.3	0.3
						1.0	0.5	59	19.9		8.0		31.2		92.8		7.0		2.6		2		87				<0.2		0.3	
					Middle	6.0	0.2	75	19.9	19.9	8.0	8.0	31.6	31.6	92.8	92.8	7.0		3.3		4		92				<0.2		0.4	
						6.0	0.2	79	19.8		8.0		31.6		92.7		7.0		3.3		5		89				<0.2		0.3	
					Bottom	11.0	0.2	66	19.7	19.7	8.1	8.1	31.7	31.7	94.5	94.6	7.2	7.2	3.7		5		90				<0.2		0.3	
						11.0	0.2	69	19.7		8.1		31.7		94.7		7.2		3.7		6		92				<0.2		0.3	
IM1	Cloudy	Moderate	19:09	4.9	Surface	1.0	0.1	171	19.7	19.7	8.2	8.2	33.2	33.2	100.7	100.7	7.6	7.6	3.0	3.5	7	7	88	89	817953	807147	<0.2	<0.2	0.2	0.4
						1.0	0.1	179	19.7		8.2		33.2		100.6		7.6		3.0		6		88				<0.2		0.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	175	19.7	19.7	8.2	8.2	33.3	33.3	98.1	98.1	7.4	7.4	4.0		7		89				<0.2		0.5	
						3.9	0.1	175	19.7		8.2		33.3		98.1		7.4		4.0		8		89				<0.2		0.5	
IM2	Cloudy	Moderate	19:17	6.8	Surface	1.0	0.1	191	19.9	19.9	8.2	8.2	33.1	33.1	104.8	104.8	7.9	7.9	2.7	4.2	4	5	87	89	818166	806146	<0.2	<0.2	0.3	0.3
						1.0	0.1	198	19.9		8.2		33.1		104.8		7.9		2.7		5		87				<0.2		0.2	
					Middle	3.4	0.1	172	19.9	19.9	8.2	8.2	33.2	33.2	103.4	103.4	7.8		2.7		4		89				<0.2		0.2	
						3.4	0.1	189	19.9		8.2		33.2		103.3		7.8		2.7		5		89				<0.2		0.2	
					Bottom	5.8	0.1	166	19.7	19.7	8.2	8.2	33.3	33.3	99.6	99.6	7.5	7.5	7.2		5		90				<0.2		0.3	
						5.8	0.2	170	19.7		8.2		33.3		99.6		7.5		7.3		6		90				<0.2		0.3	
IM3	Cloudy	Moderate	19:25	7.0	Surface	1.0	0.2	187	20.0	20.0	8.2	8.2	33.1	33.1	106.5	106.5	8.0	8.0	1.8	2.9	3	4	87	89	818781	805607	<0.2	<0.2	0.2	0.3
						1.0	0.2	200	20.0		8.2		33.1		106.5		8.0		1.8		3		87				<0.2		0.3	
					Middle	3.5	0.2	180	20.0	20.0	8.2	8.2	33.1	33.1	105.2	105.2	7.9		2.2		4		89				<0.2		0.2	
						3.5	0.3	181	20.0		8.2		33.1		105.1		7.9		2.2		4		89				<0.2		0.3	
					Bottom	6.0	0.2	154	19.8	19.8	8.2	8.2	33.3	33.3	100.0	100.0	7.5	7.5	4.7		4		90				<0.2		0.2	
						6.0	0.3	161	19.8		8.2		33.3		100.0		7.5		4.7		4		90				<0.2		0.3	
IM4	Cloudy	Moderate	19:39	7.8	Surface	1.0	0.4	191	19.9	19.9	8.2	8.2	32.1	32.1	98.1	98.1	7.4	7.4	4.7	6.7	4	6	86	88	819714	804615	<0.2	<0.2	0.6	0.6
						1.0	0.5	208	19.9		8.2		32.1		98.1		7.4		4.7		5		86				<0.2		0.6	
					Middle	3.9	0.4	177	19.8	19.8	8.2	8.2	32.9	32.9	98.5	98.5	7.4		6.9		7		89				<0.2		0.8	
						3.9	0.4	177	19.8		8.2		32.9		98.5		7.4		6.8		6		89				<0.2		1.0	
					Bottom	6.8	0.2	156	19.8	19.8	8.2	8.2	33.2	33.2	98.4	98.4	7.4	7.4	8.5		7		90				<0.2		0.3	
						6.8	0.2	165	19.8		8.2		33.2		98.4		7.4		8.5		6		90				<0.2		0.5	
IM5	Cloudy	Moderate	19:50	7.3	Surface	1.0	0.7	228	20.2	20.2	8.1	8.1	30.8	30.8	95.4	95.4	7.2	7.3	3.5	5.1	4	4	85	87	820747	804865	<0.2	<0.2	0.7	0.6
						1.0	0.7	240	20.2		8.1		30.8		95.4		7.2		3.5		4		85				<0.2		0.6	
					Middle	3.7	0.6	211	20.1	20.1	8.1	8.1	31.2	31.2	96.4	96.5	7.3		3.7		4		88				<0.2		0.6	
						3.7	0.6	221	20.1		8.1		31.2		96.5		7.3		3.7		5		88				<0.2		0.7	
					Bottom	6.3	0.4	201	19.8	19.8	8.2	8.2	33.0	33.0	98.6	98.6	7.4	7.4	8.0		4		89				<0.2		0.6	
						6.3	0.5	208	19.8		8.2		33.0		98.6		7.4		8.0		4		89				<0.2		0.6	
IM6	Cloudy	Moderate	20:01	6.9	Surface	1.0	0.6	241	20.3	20.3	8.1	8.1	30.4	30.4	95.0	95.1	7.2	7.3	2.9	4.8	4	5	85	87	821080	805847	<0.2	<0.2	0.5	0.4
						1.0	0.6	243	20.3		8.1		30.4		95.1		7.2		2.8		4		85				<0.2		0.5	
					Middle	3.5	0.4	227	20.0	20.0	8.2	8.2	31.9	31.9	96.9	97.0	7.3		3.9		5		88				<0.2		0.5	
						3.5	0.5	236	20.0		8.2		31.9		97.0		7.3		3.9		6		88				<0.2		0.5	
					Bottom	5.9	0.3	219	19.7	19.7	8.2	8.2	33.1	33.1	97.2	97.2	7.3	7.3	7.5		5		89				<0.2		0.3	
						5.9	0.4	234	19.7		8.2		33.1		97.2		7.3		7.5		6		88				<0.2		0.2	
IM7	Cloudy	Moderate	20:11	8.0	Surface	1.0	0.4	236	20.3	20.3	8.1	8.1	30.2	30.2	96.1	96.1	7.3	7.3	2.6	4.1	5	5	86	88	821348	806849	<0.2	<0.2	0.7	0.7
						1.0	0.5	249	20.3		8.1		30.2		96.1		7.3		2.6		5		86				<0.2		0.6	
					Middle	4.0	0.2	243	20.1	20.1	8.1	8.1	31.4	31.4	96.1	96.1	7.3		4.4		5		88				<0.2		0.7	
						4.0	0.3	258	20.1		8.1		31.4		96.1		7.3		4.5		5		87				<0.2		0.7	
					Bottom	7.0	0.2	228	19.7	19.7	8.2	8.2	33.0	33.0	97.3	97.3	7.3	7.3	5.4		5		89				<0.2		0.7	
						7.0	0.2	229	19.7		8.2		33.0		97.3		7.3		5.4		5		89				<0.2		0.7	
IM8	Cloudy	Moderate	17:56	8.0	Surface	1.0	0.2	100	20.2	20.2	8.0	8.0	29.8	29.8	94.3	94.4	7.2	7.2	6.3	6.8	4	4	86	88	821830	808136	<0.2	<0.2	0.6	0.6
						1.0	0.2	107	20.2		8.0		29.8		94.5		7.2		6.5		4		86				<0.2		0.5	
					Middle	4.0	0.1	84	19.9	19.9	8.0	8.0	30.6	30.6	95.1	95.2	7.2		7.0		4		88				<0.2		0.6	
						4.0	0.2	88	19.9		8.0		30.7		95.2		7.2		6.9		4		89				<0.2		0.5	
					Bottom	7.0	0.2	49	19.7	19.7	8.0	8.0	31.6	31.6	95.3	95.4	7.2	7.2	7.1		4		90				<0.2		0.6	
						7.0	0.2	52	19.7		8.0		31.7		95.4		7.2		7.1		4		90				<0.2		0.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 March 20 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	18:03	7.6	Surface	1.0	0.3	84	20.2	20.2	8.0	8.0	29.9	29.9	93.8	93.9	7.1	7.2	4.4	5.9	4	5	86	88	822116	808815	<0.2	<0.2	0.4	0.5
						1.0	0.3	89	20.1		8.0		29.9		93.9		7.1		4.5		4		86				<0.2		0.5	
					Middle	3.8	0.3	84	19.9	19.9	8.0	8.0	30.6	30.6	94.1	94.1	7.2		4.8		6		88				<0.2		0.5	
						3.8	0.3	91	19.9		8.0		30.6		94.1		7.2		4.9		5		89				<0.2		0.5	
					Bottom	6.6	0.3	79	19.8	19.8	8.0	8.0	31.2	31.2	93.9	94.0	7.1	7.1	8.3		5		90				<0.2		0.5	
						6.6	0.3	85	19.8		8.0		31.2		94.0		7.1		8.3		6		90				<0.2		0.6	
IM10	Cloudy	Moderate	18:09	7.5	Surface	1.0	0.4	62	20.1	20.1	8.0	8.0	29.8	29.8	91.8	91.8	7.0	7.1	5.1	8.6	6	6	86	88	822393	809815	<0.2	<0.2	0.5	0.5
						1.0	0.5	67	20.1		8.0		29.9		91.8		7.0		5.4		6		85				<0.2		0.7	
					Middle	3.8	0.4	66	20.0	20.0	8.0	8.0	30.4	30.4	92.7	92.8	7.1		8.9		5		88				<0.2		0.5	
						3.8	0.4	69	20.0		8.0		30.4		92.9		7.1		9.3		6		87				<0.2		0.5	
					Bottom	6.5	0.4	74	19.9	19.9	8.0	8.0	30.6	30.6	94.1	94.2	7.2	7.2	11.5		6		90				<0.2		0.5	
						6.5	0.4	76	19.9		8.0		30.6		94.2		7.2		11.5		5		92				<0.2		0.5	
IM11	Cloudy	Moderate	18:19	8.0	Surface	1.0	0.4	106	20.1	20.1	7.9	7.9	29.8	29.8	90.8	90.8	6.9	6.9	3.8	5.6	5	6	86	88	822041	811470	<0.2	<0.2	0.5	0.5
						1.0	0.4	106	20.1		7.9		29.8		90.8		6.9		4.1		5		86				<0.2		0.6	
					Middle	4.0	0.4	109	20.0	20.0	8.0	8.0	30.1	30.2	91.0	91.0	6.9		5.7		5		88				<0.2		0.5	
						4.0	0.4	118	20.0		8.0		30.2		91.0		6.9		5.9		6		88				<0.2		0.5	
					Bottom	7.0	0.3	99	20.0	20.0	8.0	8.0	30.4	30.4	91.9	92.1	7.0	7.0	7.2		6		90				<0.2		0.5	
						7.0	0.3	105	20.0		8.0		30.4		92.3		7.0		7.2		6		91				<0.2		0.5	
IM12	Cloudy	Moderate	18:26	9.1	Surface	1.0	0.4	144	20.1	20.1	8.0	8.0	29.9	29.9	90.7	90.7	6.9	6.9	5.7	6.9	6	5	87	89	821456	812052	<0.2	<0.2	0.6	0.5
						1.0	0.4	144	20.1		8.0		29.9		90.6		6.9		5.6		5		86				<0.2		0.5	
					Middle	4.6	0.4	157	20.0	20.0	8.0	8.0	30.2	30.2	90.2	90.2	6.9		7.3		5		88				<0.2		0.4	
						4.6	0.4	164	20.0		8.0		30.3		90.1		6.9		7.4		5		89				<0.2		0.5	
					Bottom	8.1	0.2	142	19.9	19.9	8.0	8.0	30.6	30.6	90.6	90.7	6.9	6.9	7.9		4		90				<0.2		0.5	
						8.1	0.2	149	19.9		8.0		30.6		90.8		6.9		7.6		4		91				<0.2		0.4	
SR1A	Cloudy	Moderate	18:44	5.1	Surface	1.0	-	-	20.1	20.1	8.0	8.0	29.9	29.9	90.3	90.4	6.9	6.9	3.1	3.4	3	3	-	-	819970	812655	-	-	-	-
						1.0	-	-	20.1		8.0		30.0		90.4		6.9		3.2		3		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	20.0	20.0	8.0	8.0	30.4	30.4	91.9	92.0	7.0	7.0	3.6		3		-				-		-	
						4.1	-	-	20.0		8.0		30.4		92.1		7.0		3.6		3		-				-		-	
SR2	Cloudy	Moderate	18:56	4.2	Surface	1.0	0.4	91	20.1	20.1	8.0	8.0	30.0	30.0	93.3	93.3	7.1	7.1	3.3	3.6	6	6	86	89	821453	814158	<0.2	<0.2	1.4	1.2
						1.0	0.4	92	20.1		8.0		30.0		93.2		7.1		3.3		6		88				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.3	89	20.0	20.0	8.0	8.0	30.4	30.4	93.0	93.1	7.1	7.1	4.0		5		90				<0.2		1.0	
						3.2	0.3	96	20.0		8.0		30.4		93.1		7.1		4.0		5		92				<0.2		0.9	
SR3	Cloudy	Moderate	17:51	8.7	Surface	1.0	0.2	185	20.3	20.3	7.9	7.9	29.3	29.3	94.3	94.3	7.2	7.2	2.5	4.0	5	5	-	-	822158	807578	-	-	-	-
						1.0	0.2	191	20.3		7.9		29.3		94.3		7.2		2.5		4		-				-		-	
					Middle	4.4	0.1	173	20.2	20.2	8.0	8.0	29.5	29.5	95.1	95.2	7.2		2.7		5		-				-		-	
						4.4	0.1	187	20.2		8.0		29.5		95.2		7.2		2.8		4		-				-		-	
					Bottom	7.7	0.1	7	19.7	19.7	8.0	8.0	31.8	31.7	96.4	96.4	7.3	7.3	6.7		5		-				-		-	
						7.7	0.1	7	19.7		8.0		31.7		96.4		7.3		6.7		5		-				-		-	
SR4A	Cloudy	Calm	18:24	9.2	Surface	1.0	0.2	82	19.9	19.9	8.2	8.2	32.9	32.9	104.4	104.4	7.8	7.8	3.7	5.1	10	8	-	-	817181	807822	-	-	-	-
						1.0	0.2	84	19.9		8.2		32.9		104.3		7.8		3.7		10		-				-		-	
					Middle	4.6	0.2	61	19.8	19.8	8.2	8.2	33.0	33.0	102.1	102.1	7.7		5.3		8		-				-		-	
						4.6	0.2	65	19.8		8.2		33.0		102.0		7.7		5.3		7		-				-		-	
					Bottom	8.2	0.1	52	19.8	19.8	8.2	8.2	33.1	33.1	100.9	100.9	7.6	7.6	6.3		6		-				-		-	
						8.2	0.1	55	19.8		8.2		33.1		100.9		7.6		6.3		7		-				-		-	
SR5A	Cloudy	Calm	18:05	3.6	Surface	1.0	0.1	96	20.6	20.6	8.1	8.1	30.0	30.0	97.5	97.5	7.3	7.3	5.2	5.1	8	10	-	-	816613	810709	-	-	-	-
						1.0	0.1	101	20.6		8.1		30.0		97.5		7.3		5.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.0	175	20.5	20.5	8.1	8.1	30.9	30.9	98.5	98.5	7.4	7.4	5.1		11		-				-		-	
						2.6	0.0	183	20.5		8.1		30.9		98.5		7.4		5.1		10		-				-		-	
SR6A	Cloudy	Calm	17:34	4.3	Surface	1.0	0.1	73	20.9	20.9	8.1	8.1	30.0	30.0	94.5	94.5	7.1	7.1	4.9	6.0	6	7	-	-	817953	814749	-	-	-	-
						1.0	0.1	78	20.9		8.1		30.0		94.4		7.1		4.9		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	115	20.6	20.6	8.1	8.1	30.5	30.5	89.8	89.8	6.8	6.8	7.1		8		-				-		-	
						3.3	0.1	115	20.6		8.1		30.5		89.8		6.8		7.0		7		-				-		-	
SR7	Cloudy	Moderate	19:45	16.4	Surface	1.0	0.4	56	19.7	19.7	8.0	8.0	31.8	31.8	92.1	92.1	7.0	7.0	1.4	1.5	3	4	-	-	823630	823743	-	-	-	-
						1.0	0.4	57	19.7		8.0		31.8		92.1		7.0		1.4		4		-				-		-	
					Middle	8.2	0.3	42	19.7	19.7	8.0	8.0	31.9	31.9	91.9	91.9	7.0		1.6		4		-				-		-	
						8.2	0.3	42	19.7		8.0		31.9		91.9		7.0		1.6		4		-				-		-	
					Bottom	15.4	0.2	3	19.7	19.7	8.0	8.0	32.0	32.0	92.2	92.3	7.0	7.0	1.7		4		-				-		-	
						15.4	0.2	3	19.7		8.0		32.0		92.3		7.0		1.7		4		-				-		-	
SR8	Cloudy	Moderate	18:35	5.0	Surface	1.0	-	-	20.4	20.4	8.0	8.0	29.9	30.0	92.3	92.3	7.0	7.0	8.2	7.6	6	5	-	-	820400	811619	-	-	-	-
						1.0	-	-	20.4		8.0		30.0		92.2		7.0		7.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	20.2	20.2	8.0	8.0	30.1	30.1	92.5	92.7	7.0	7.1	7.1		5		-				-		-	
						4.0	-	-	20.2		8.0		30.1		92.9		7.1		7.1		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 March 20 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	11:52	7.7	Surface	1.0	0.3	46	19.8	19.8	8.2	8.2	33.2	33.2	101.6	101.6	7.6	7.6	2.6	3.5	4	4	87	89	815636	804236	<0.2	<0.2	0.4	0.4
						1.0	0.3	48	19.8		8.2		33.2		101.6		7.6		2.6		4		87				<0.2		0.6	
					Middle	3.9	0.2	51	19.8	19.8	8.2	8.2	33.3	33.3	100.6	100.6	7.6		3.4		4		89				<0.2		0.4	
						3.9	0.3	52	19.8		8.2		33.3		100.6		7.6		3.4		4		89				<0.2		0.4	
					Bottom	6.7	0.2	53	19.7	19.7	8.2	8.2	33.4	33.4	99.6	99.6	7.5	7.5	4.6		5		91				<0.2		0.4	
						6.7	0.2	57	19.7		8.2		33.4		99.6		7.5		4.6		5		90				<0.2		0.4	
C2	Cloudy	Moderate	12:36	12.5	Surface	1.0	0.1	351	20.5	20.5	8.0	8.0	28.0	28.1	95.0	95.0	7.3	7.2	1.8	3.5	3	3	86	88	825668	806922	<0.2	<0.2	0.8	0.8
						1.0	0.1	323	20.4		8.0		28.1		94.9		7.3		1.8		3		85				<0.2		0.7	
					Middle	6.3	0.2	303	20.2	20.2	8.0	8.0	29.2	29.2	92.5	92.3	7.1		2.0		3		88				<0.2		0.8	
						6.3	0.3	331	20.2		8.0		29.2		92.1		7.0		2.2		3		88				<0.2		0.8	
					Bottom	11.5	0.2	326	20.2	20.2	8.0	8.0	29.7	29.7	90.2	90.3	6.9	6.9	6.7		2		90				<0.2		0.8	
						11.5	0.2	338	20.2		8.0		29.7		90.3		6.9		6.6		3		91				<0.2		0.8	
C3	Cloudy	Moderate	10:49	11.6	Surface	1.0	0.4	281	20.0	20.0	8.0	8.0	30.2	30.2	93.0	92.9	7.1	7.0	1.6	3.0	3	3	86	89	822123	817803	<0.2	<0.2	0.6	0.6
						1.0	0.4	306	19.9		8.0		30.3		92.8		7.1		1.5		3		88				<0.2		0.5	
					Middle	5.8	0.4	293	19.7	19.7	8.0	8.0	31.5	31.5	89.4	89.4	6.8		1.1		4		88				<0.2		0.5	
						5.8	0.4	317	19.7		8.0		31.6		89.3		6.8		1.1		3		89				<0.2		0.5	
					Bottom	10.6	0.2	345	19.6	19.6	8.0	8.0	31.8	31.8	89.0	89.0	6.8	6.8	6.5		3		90				<0.2		0.6	
						10.6	0.2	351	19.6		8.0		31.8		89.0		6.8		6.0		4		91				<0.2		0.6	
IM1	Fine	Moderate	12:14	5.3	Surface	1.0	0.2	21	19.7	19.7	8.2	8.2	33.1	33.1	98.3	98.3	7.4	7.4	4.6	6.0	8	8	88	89	817956	807149	<0.2	<0.2	0.7	0.6
						1.0	0.2	22	19.7		8.2		33.1		98.3		7.4		4.6		8		88				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	41	19.6	19.6	8.2	8.2	33.5	33.5	96.0	96.1	7.2	7.2	7.4		7		89				<0.2		0.6	
						4.3	0.1	43	19.6		8.2		33.5		96.1		7.2		7.3		8		89				<0.2		0.6	
IM2	Fine	Moderate	12:24	7.2	Surface	1.0	0.2	347	19.8	19.8	8.2	8.2	32.8	32.8	98.5	98.5	7.4	7.4	3.6	5.2	8	8	86	88	818150	806150	<0.2	<0.2	0.5	0.5
						1.0	0.2	319	19.8		8.2		32.8		98.5		7.4		3.7		6		87				<0.2		0.5	
					Middle	3.6	0.2	0	19.6	19.6	8.2	8.2	33.1	33.1	97.5	97.5	7.4		5.5		9		88				<0.2		0.5	
						3.6	0.2	0	19.6		8.2		33.1		97.5		7.4		5.5		9		88				<0.2		0.5	
					Bottom	6.2	0.2	13	19.6	19.6	8.2	8.2	33.1	33.1	97.2	97.2	7.3	7.3	6.4		9		90				<0.2		0.5	
						6.2	0.2	13	19.6		8.2		33.1		97.2		7.3		6.5		9		89				<0.2		0.6	
IM3	Fine	Moderate	12:32	7.3	Surface	1.0	0.3	315	19.8	19.8	8.2	8.2	32.8	32.8	98.5	98.5	7.4	7.4	3.8	4.7	6	6	86	88	818778	805593	<0.2	<0.2	0.8	0.7
						1.0	0.3	344	19.8		8.2		32.8		98.5		7.4		3.8		6		86				<0.2		0.8	
					Middle	3.7	0.2	346	19.7	19.7	8.2	8.2	32.9	32.9	98.1	98.1	7.4		3.9		6		88				<0.2		0.8	
						3.7	0.2	318	19.7		8.2		32.9		98.0		7.4		3.9		7		88				<0.2		0.7	
					Bottom	6.3	0.2	359	19.5	19.5	8.2	8.2	33.2	33.2	97.0	97.0	7.3	7.3	6.4		7		89				<0.2		0.6	
						6.3	0.2	330	19.5		8.2		33.2		97.0		7.3		6.4		6		89				<0.2		0.7	
IM4	Fine	Moderate	12:41	8.1	Surface	1.0	0.4	334	19.7	19.7	8.2	8.2	33.0	33.0	98.7	98.7	7.4	7.4	4.6	6.5	9	9	86	88	819714	804618	<0.2	<0.2	0.7	0.7
						1.0	0.4	350	19.7		8.2		33.0		98.7		7.4		4.5		8		86				<0.2		0.7	
					Middle	4.1	0.3	356	19.6	19.6	8.2	8.2	33.1	33.1	98.4	98.4	7.4		5.2		9		87				<0.2		0.7	
						4.1	0.3	356	19.6		8.2		33.1		98.4		7.4		5.2		8		88				<0.2		0.6	
					Bottom	7.1	0.3	0	19.6	19.6	8.2	8.2	33.3	33.3	97.9	97.9	7.4	7.4	9.8		10		89				<0.2		0.7	
						7.1	0.3	0	19.6		8.2		33.3		97.8		7.4		9.6		11		89				<0.2		0.7	
IM5	Fine	Moderate	12:53	7.6	Surface	1.0	0.4	352	19.7	19.7	8.2	8.2	33.0	33.0	97.8	97.8	7.4	7.4	4.4	5.2	8	8	86	88	820744	804857	<0.2	<0.2	0.7	0.7
						1.0	0.4	324	19.7		8.2		33.0		97.8		7.4		4.3		7		86				<0.2		0.7	
					Middle	3.8	0.4	8	19.6	19.6	8.2	8.2	33.1	33.1	97.6	97.6	7.4		5.1		8		88				<0.2		0.7	
						3.8	0.4	8	19.6		8.2		33.1		97.6		7.4		5.1		7		88				<0.2		0.7	
					Bottom	6.6	0.3	15	19.6	19.6	8.2	8.2	33.1	33.1	97.4	97.4	7.3	7.3	6.1		8		89				<0.2		0.6	
						6.6	0.3	16	19.6		8.2		33.1		97.4		7.3		6.2		8		89				<0.2		0.6	
IM6	Fine	Moderate	13:03	7.3	Surface	1.0	0.1	276	20.4	20.4	8.1	8.1	30.4	30.4	96.1	96.1	7.3	7.3	3.8	5.5	8	8	87	88	821066	805823	<0.2	<0.2	1.0	1.0
						1.0	0.1	282	20.4		8.1		30.4		96.1		7.3		3.8		7		86				<0.2		0.9	
					Middle	3.7	0.1	83	20.0	20.0	8.1	8.1	31.6	31.6	96.0	96.0	7.2		4.7		8		88				<0.2		0.9	
						3.7	0.1	85	20.0		8.2		31.7		96.0		7.2		4.7		8		88				<0.2		1.0	
					Bottom	6.3	0.2	73	19.6	19.6	8.2	8.2	32.8	32.8	95.2	95.2	7.2	7.2	8.0		9		90				<0.2		1.0	
						6.3	0.3	79	19.6		8.2		32.8		95.2		7.2		8.0		8		89				<0.2		1.1	
IM7	Fine	Moderate	13:13	8.5	Surface	1.0	0.1	263	20.4	20.4	8.1	8.1	30.1	30.1	94.8	94.8	7.2	7.2	4.7	5.5	9	9	85	87	821338	806831	<0.2	<0.2	1.2	1.1
						1.0	0.1	279	20.4		8.1		30.1		94.8		7.2		4.7		7		85				<0.2		1.1	
					Middle	4.3	0.1	102	20.2	20.2	8.1	8.1	30.6	30.6	94.3	94.3	7.1		4.2		9		87				<0.2		1.1	
						4.3	0.1	106	20.2		8.1		30.6		94.3		7.1		4.2		8		87				<0.2		1.2	
					Bottom	7.5	0.2	86	19.7	19.7	8.2	8.2	32.6	32.6	94.4	94.4	7.1	7.1	7.6		10		89				<0.2		1.1	
						7.5	0.2	87	19.7		8.2		32.6		94.4		7.1		7.6		10		89				<0.2		1.0	
IM8	Cloudy	Moderate	12:12	8.2	Surface	1.0	0.1	177	20.3	20.3	7.9	7.9	29.2	29.2	91.6	91.6	7.0	7.0	6.1	5.9	11	11	86	89	821828	808153	<0.2	<0.2	0.6	0.5
						1.0	0.1	194	20.3		7.9		29.2		91.5		7.0		6.0		12		87				<0.2		0.5	
					Middle	4.1	0.1	183	20.3	20.3	7.9	7.9	29.2	29.2	91.5	91.5	7.0		5.7		11		88				<0.2		0.6	
						4.1	0.1	200	20.3		7.9		29.2		91.5		7.0		5.7		10		89				<0.2		0.5	
					Bottom	7.2	0.1	146	20.1	20.1	8.0	8.0	29.8	29.8	91.3	91.3	7.0	7.0	5.8		11		90				<0.2		0.5	
						7.2	0.1	159	20.1		8.0		29.8		91.3		7.0		5.8		10		91				<0.2		0.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 March 20 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	12:05	7.6	Surface	1.0	0.2	254	20.3	20.3	8.0	8.0	29.3	29.3	91.1	91.1	6.9	6.9	7.2	7.7	12	12	85	88	822089	808813	<0.2	<0.2	0.5	0.6
						1.0	0.2	264	20.3		8.0		29.3		91.0		6.9		7.4				87				<0.2		0.6	
					Middle	3.8	0.2	238	20.3	20.3	8.0	8.0	29.3	29.3	91.0	91.0	6.9		7.9		12		88				<0.2		0.6	
						3.8	0.2	247	20.3		8.0		29.3		91.0		6.9		7.9		11		89				<0.2		0.6	
					Bottom	6.6	0.2	212	20.2	20.2	8.0	8.0	29.3	29.3	91.5	91.6	7.0	7.0	7.8		12		90				<0.2		0.6	
						6.6	0.2	222	20.2		8.0		29.3		91.6		7.0		7.8		11		91				<0.2		0.6	
IM10	Cloudy	Moderate	11:59	8.4	Surface	1.0	0.3	301	20.2	20.2	8.0	8.0	29.4	29.4	91.5	91.5	7.0	7.0	6.2	6.7	12	12	86	88	822379	809816	<0.2	<0.2	0.6	0.6
						1.0	0.3	323	20.2		8.0		29.4		91.5		7.0		6.2		11		86				<0.2		0.6	
					Middle	4.2	0.2	299	20.2	20.2	8.0	8.0	29.5	29.5	91.0	91.0	6.9		6.8		11		88				<0.2		0.6	
						4.2	0.3	320	20.2		8.0		29.5		91.0		6.9		6.8		12		87				<0.2		0.6	
					Bottom	7.4	0.3	300	20.2	20.2	8.0	8.0	29.5	29.5	91.3	91.4	7.0	7.0	7.1		14		90				<0.2		0.6	
						7.4	0.4	326	20.2		8.0		29.5		91.4		7.0		7.1		14		90				<0.2		0.6	
IM11	Cloudy	Moderate	11:50	7.4	Surface	1.0	0.3	333	20.1	20.1	8.0	8.0	29.6	29.6	92.9	92.9	7.1	7.1	2.6	4.4	10	11	86	88	822069	811447	<0.2	<0.2	0.6	0.7
						1.0	0.4	336	20.1		8.0		29.6		92.8		7.1		2.6		11		85				<0.2		0.6	
					Middle	3.7	0.4	329	20.1	20.1	8.0	8.0	29.7	29.7	92.2	92.2	7.0		4.2		11		87				<0.2		0.6	
						3.7	0.5	345	20.1		8.0		29.7		92.2		7.0		4.4		10		89				<0.2		0.8	
					Bottom	6.4	0.3	331	20.1	20.1	8.0	8.0	29.8	29.8	92.1	92.1	7.0	7.0	6.3		11		90				<0.2		0.7	
						6.4	0.3	338	20.1		8.0		29.8		92.1		7.0		6.4		12		91				<0.2		0.6	
IM12	Cloudy	Moderate	11:45	8.9	Surface	1.0	0.3	257	20.0	20.0	8.0	8.0	29.8	29.8	91.3	91.2	7.0	6.9	2.5	4.7	5	9	87	88	821469	812033	<0.2	<0.2	0.6	0.6
						1.0	0.3	279	20.0		8.0		29.8		91.1		7.0		2.5		6		86				<0.2		0.6	
					Middle	4.5	0.3	264	20.0	20.0	8.0	8.0	30.2	30.3	89.6	89.6	6.8		4.7		8		89				<0.2		0.7	
						4.5	0.3	284	20.0		8.0		30.3		89.5		6.8		4.9		9		88				<0.2		0.6	
					Bottom	7.9	0.3	257	19.9	20.0	8.0	8.0	30.5	30.5	89.5	89.6	6.8	6.8	6.7		12		90				<0.2		0.6	
						7.9	0.3	281	20.0		8.0		30.5		89.6		6.8		6.8		12		90				<0.2		0.6	
SR1A	Cloudy	Moderate	11:19	5.1	Surface	1.0	-	-	20.2	20.2	8.0	8.0	29.3	29.3	89.3	89.3	6.8	6.8	3.3	3.4	6	8	-	-	819978	812661	-	-	-	-
						1.0	-	-	20.2		8.0		29.3		89.3		6.8		3.3		7		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	20.2	20.2	8.0	8.0	29.5	29.6	89.0	89.0	6.8	6.8	3.5		9		-				-		-	
						4.1	-	-	20.2		8.0		29.6		88.9		6.8		3.6		8		-				-		-	
SR2	Cloudy	Moderate	11:08	5.1	Surface	1.0	0.1	167	20.0	20.0	8.0	8.0	30.2	30.2	91.3	91.3	7.0	7.0	2.5	2.9	4	5	86	89	821473	814143	<0.2	<0.2	0.6	0.6
						1.0	0.1	171	20.0		8.0		30.2		91.2		6.9		2.6		5		88				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	181	19.9	19.9	8.0	8.0	30.7	30.7	90.2	90.3	6.9	6.9	3.3		6		90				<0.2		0.6	
						4.1	0.1	186	19.9		8.0		30.7		90.3		6.9		3.2		6		92				<0.2		0.6	
SR3	Cloudy	Moderate	12:17	8.5	Surface	1.0	0.1	272	20.3	20.3	7.9	7.9	29.2	29.2	92.7	92.7	7.1	7.1	4.3	4.1	10	10	-	-	822154	807588	-	-	-	-
						1.0	0.1	282	20.3		7.9		29.2		92.7		7.1		4.3		12		-				-		-	
					Middle	4.3	0.1	237	20.2	20.2	8.0	8.0	29.2	29.2	92.7	92.7	7.1		4.2		11		-				-		-	
						4.3	0.1	248	20.2		8.0		29.3		92.7		7.1		4.2		10		-				-		-	
					Bottom	7.5	0.0	174	20.2	20.2	8.0	8.0	29.3	29.3	93.0	93.0	7.1	7.1	3.6		8		-				-		-	
						7.5	0.0	185	20.2		8.0		29.3		93.0		7.1		3.7		9		-				-		-	
SR4A	Cloudy	Calm	11:29	9.0	Surface	1.0	0.1	99	20.3	20.3	8.1	8.1	30.4	30.4	94.9	94.9	7.2	7.2	4.9	6.0	7	8	-	-	817189	807831	-	-	-	-
						1.0	0.1	101	20.3		8.1		30.4		94.9		7.2		4.9		8		-				-		-	
					Middle	4.5	0.2	85	19.6	19.6	8.2	8.2	33.3	33.3	94.8	94.8	7.1		5.0		8		-				-		-	
						4.5	0.2	91	19.6		8.2		33.3		94.8		7.1		5.0		8		-				-		-	
					Bottom	8.0	0.2	71	19.6	19.6	8.2	8.2	33.5	33.5	94.4	94.4	7.1	7.1	8.2		10		-				-		-	
						8.0	0.2	76	19.6		8.2		33.5		94.4		7.1		8.3		9		-				-		-	
SR5A	Cloudy	Calm	11:12	3.8	Surface	1.0	0.1	311	20.4	20.4	8.1	8.1	29.9	29.9	94.1	94.1	7.1	7.1	4.3	7.0	8	8	-	-	816596	810693	-	-	-	-
						1.0	0.1	331	20.4		8.1		29.9		94.0		7.1		4.3		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	316	20.3	20.3	8.1	8.1	29.9	29.9	93.5	93.5	7.1	7.1	9.7		9		-				-		-	
						2.8	0.1	324	20.3		8.1		29.9		93.5		7.1		9.7		9		-				-		-	
SR6A	Cloudy	Calm	10:43	4.1	Surface	1.0	0.1	281	20.3	20.3	8.0	8.0	30.1	30.1	91.4	91.5	6.9	6.9	4.2	4.1	8	8	-	-	817956	814745	-	-	-	-
						1.0	0.1	285	20.3		8.0		30.1		91.5		6.9		4.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	238	20.3	20.3	8.0	8.0	30.1	30.1	92.3	92.4	7.0	7.0	3.9		7		-				-		-	
						3.1	0.0	245	20.3		8.0		30.1		92.4		7.0		3.9		7		-				-		-	
SR7	Cloudy	Moderate	10:18	16.7	Surface	1.0	0.2	31	19.6	19.6	7.9	7.9	31.9	31.9	90.2	90.2	6.9	6.9	1.6	2.0	6	5	-	-	823659	823749	-	-	-	-
						1.0	0.2	31	19.6		7.9		31.9		90.2		6.9		1.6		6		-				-		-	
					Middle	8.4	0.2	34	19.6	19.6	7.8	7.8	32.0	32.0	90.1	90.1	6.8		2.0		4		-				-		-	
						8.4	0.2	36	19.6		7.8		32.0		90.1		6.8		2.0		4		-				-		-	
					Bottom	15.7	0.3	21	19.6	19.6	7.9	7.9	32.0	32.0	90.6	90.6	6.9	6.9	2.5		4		-				-		-	
						15.7	0.4	21	19.6		7.9		32.0		90.6		6.9		2.5		4		-				-		-	
SR8	Cloudy	Moderate	11:35	5.3	Surface	1.0	-	-	20.3	20.3	8.0	8.0	29.5	29.5	91.3	91.3	6.9	6.9	6.1	6.1	7	7	-	-	820379	811615	-	-	-	-
						1.0	-	-	20.3		8.0		29.5		91.2		6.9		6.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	20.1	20.1	8.0	8.0	29.9	29.9	89.9	90.0	6.8	6.8	6.1		7		-				-		-	
						4.3	-	-	20.1		8.0		29.9		90.0		6.8		6.1		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 05 March 20 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	21:49	8.2	Surface	1.0	0.5	206	20.0	20.0	8.1	8.1	32.8	32.8	106.3	106.2	8.0	7.8	0.2	1.4	4	5	82	85	815642	804252	<0.2	<0.2	0.9	1.0
						1.0	0.5	222	20.0		8.1		32.8		106.1		8.0		0.2		4		83				<0.2		1.0	
					Middle	4.1	0.4	212	19.7	19.7	8.1	8.1	34.3	34.3	100.9	101.0	7.6		1.4		5		84				<0.2		0.9	
						4.1	0.4	212	19.7		8.1		34.3		101.1		7.6		1.4		4		85				<0.2		1.0	
					Bottom	7.2	0.3	215	19.7	19.7	8.2	8.2	34.3	34.3	100.9	100.8	7.5	7.5	2.5		5		87				<0.2		1.0	
						7.2	0.3	228	19.7		8.2		34.3		100.7		7.5		2.6		6		88				<0.2		0.9	
C2	Cloudy	Moderate	20:15	12.4	Surface	1.0	0.1	187	20.1	20.1	8.4	8.4	31.3	31.3	96.6	96.6	7.3	7.1	2.7	5.9	10	7	82	85	825664	806941	<0.2	<0.2	1.0	1.0
						1.0	0.2	198	20.1		8.4		31.3		96.5		7.3		2.9		9		82				<0.2		1.0	
					Middle	6.2	0.4	202	19.8	19.8	8.4	8.4	32.6	32.6	90.6	90.6	6.8		7.0		6		85				<0.2		1.0	
						6.2	0.4	216	19.8		8.4		32.7		90.6		6.8		7.1		5		85				<0.2		1.0	
					Bottom	11.4	0.3	183	19.7	19.7	8.4	8.4	32.9	32.9	90.9	91.0	6.8	6.9	7.7		5		88				<0.2		0.9	
						11.4	0.3	185	19.7		8.4		32.9		91.1		6.9		7.8		4		88				<0.2		1.0	
C3	Cloudy	Moderate	22:03	12.9	Surface	1.0	0.5	98	19.7	19.7	8.4	8.4	33.2	33.2	91.8	91.8	6.9	6.9	3.1	4.4	6	7	83	86	822110	817788	<0.2	<0.2	1.1	1.0
						1.0	0.5	101	19.7		8.4		33.2		91.8		6.9		3.1		7		83				<0.2		1.1	
					Middle	6.5	0.4	103	19.7	19.7	8.4	8.4	33.6	33.6	91.6	91.6	6.9		4.1		7		85				<0.2		1.0	
						6.5	0.4	104	19.7		8.4		33.6		91.6		6.9		4.4		8		86				<0.2		1.0	
					Bottom	11.9	0.3	120	19.6	19.6	8.3	8.3	33.8	33.8	91.9	92.0	6.9	6.9	6.0		8		88				<0.2		1.0	
						11.9	0.3	123	19.6		8.3		33.8		92.0		6.9		5.5		8		89				<0.2		1.0	
IM1	Cloudy	Moderate	21:29	5.1	Surface	1.0	0.2	201	19.9	19.9	8.2	8.2	33.5	33.5	99.0	99.0	7.4	7.4	1.9	2.6	6	7	84	86	817937	807133	<0.2	<0.2	1.0	0.9
						1.0	0.2	220	19.9		8.2		33.5		99.0		7.4		1.9		6		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	189	19.7	19.7	8.2	8.2	34.0	34.0	99.6	99.6	7.5	7.5	3.3		9		87				<0.2		0.9	
						4.1	0.1	201	19.7		8.2		34.0		99.6		7.5		3.3		8		87				<0.2		0.9	
IM2	Cloudy	Moderate	21:20	7.1	Surface	1.0	0.2	185	19.8	19.8	8.2	8.2	33.1	33.1	100.1	100.2	7.5	7.6	1.2	2.0	6	7	83	86	818171	806178	<0.2	<0.2	1.1	0.9
						1.0	0.2	201	19.8		8.2		33.1		100.3		7.5		1.2		7		84				<0.2		1.1	
					Middle	3.6	0.2	156	19.8	19.8	8.2	8.2	33.9	33.9	102.2	102.3	7.6		1.5		6		86				<0.2		0.8	
						3.6	0.2	159	19.8		8.2		33.9		102.3		7.6		1.5		7		86				<0.2		0.8	
					Bottom	6.1	0.2	167	19.7	19.7	8.2	8.2	34.2	34.2	101.6	101.7	7.6	7.6	3.4		8		88				<0.2		0.9	
						6.1	0.2	173	19.7		8.2		34.2		101.7		7.6		3.4		8		88				<0.2		0.8	
IM3	Cloudy	Moderate	21:12	7.4	Surface	1.0	0.2	174	19.9	19.9	8.2	8.2	33.3	33.3	102.0	102.0	7.6	7.6	0.7	1.8	6	8	83	86	818786	805581	<0.2	<0.2	0.9	0.9
						1.0	0.2	185	19.9		8.2		33.3		102.0		7.6		0.7		6		83				<0.2		0.8	
					Middle	3.7	0.3	160	19.7	19.7	8.2	8.2	34.1	34.1	101.0	101.0	7.5		1.6		8		86				<0.2		0.9	
						3.7	0.4	172	19.7		8.2		34.1		101.0		7.6		1.6		8		86				<0.2		0.9	
					Bottom	6.4	0.3	155	19.7	19.7	8.2	8.2	34.3	34.3	100.2	100.1	7.5	7.5	3.2		8		88				<0.2		1.0	
						6.4	0.3	158	19.7		8.2		34.3		100.0		7.5		3.2		9		88				<0.2		0.8	
IM4	Cloudy	Moderate	21:02	8.3	Surface	1.0	0.4	182	19.9	19.9	8.2	8.2	33.0	33.0	100.5	100.6	7.5	7.6	1.2	1.5	7	8	83	86	819718	804594	<0.2	<0.2	0.8	0.8
						1.0	0.4	195	19.9		8.2		33.0		100.6		7.5		1.2		8		82				<0.2		0.8	
					Middle	4.2	0.3	165	19.9	19.9	8.2	8.2	33.3	33.3	102.6	102.6	7.7		1.0		8		86				<0.2		0.8	
						4.2	0.4	172	19.9		8.2		33.3		102.5		7.7		1.0		8		86				<0.2		0.8	
					Bottom	7.3	0.3	169	19.7	19.7	8.2	8.2	34.2	34.2	99.3	99.4	7.4	7.4	2.3		8		88				<0.2		0.7	
						7.3	0.3	178	19.7		8.2		34.2		99.5		7.4		2.3		9		88				<0.2		0.8	
IM5	Cloudy	Moderate	20:52	7.9	Surface	1.0	0.3	196	20.0	20.0	8.1	8.1	32.4	32.4	101.8	101.8	7.7	7.6	1.2	2.9	5	7	82	85	820741	804886	<0.2	<0.2	0.6	0.6
						1.0	0.3	210	20.0		8.1		32.4		101.8		7.7		1.2		6		83				<0.2		0.6	
					Middle	4.0	0.3	174	19.7	19.7	8.2	8.2	34.0	34.0	100.2	100.1	7.5		4.0		7		85				<0.2		0.6	
						4.0	0.3	185	19.7		8.2		34.0		100.0		7.5		4.0		6		85				<0.2		0.6	
					Bottom	6.9	0.3	171	19.7	19.7	8.2	8.2	34.2	34.2	100.5	100.6	7.5	7.5	3.6		8		87				<0.2		0.7	
						6.9	0.3	179	19.7		8.2		34.2		100.6		7.5		3.6		8		88				<0.2		0.6	
IM6	Cloudy	Moderate	20:41	7.6	Surface	1.0	0.2	221	20.1	20.1	8.1	8.1	32.0	32.0	100.9	100.9	7.6	7.5	0.9	2.3	5	6	83	85	821068	805818	<0.2	<0.2	0.7	0.7
						1.0	0.2	225	20.1		8.1		32.0		100.9		7.6		0.9		6		83				<0.2		0.7	
					Middle	3.8	0.2	173	19.8	19.8	8.1	8.1	33.9	33.9	99.5	99.5	7.4		2.4		6		85				<0.2		0.6	
						3.8	0.2	188	19.8		8.1		33.9		99.4		7.4		2.4		5		85				<0.2		0.7	
					Bottom	6.6	0.1	179	19.7	19.7	8.1	8.1	34.1	34.1	99.4	99.4	7.4	7.4	3.7		6		88				<0.2		0.6	
						6.6	0.1	180	19.7		8.1		34.1		99.4		7.4		3.6		7		87				<0.2		0.7	
IM7	Cloudy	Moderate	20:20	8.8	Surface	1.0	0.1	180	20.1	20.1	7.9	7.9	31.9	31.9	100.1	100.1	7.5	7.4	1.1	3.2	4	6	82	85	821330	806820	<0.2	<0.2	0.5	0.6
						1.0	0.1	197	20.1		7.9		31.9		100.1		7.5		1.2		5		82				<0.2		0.6	
					Middle	4.4	0.1	130	19.8	19.8	7.9	7.9	33.7	33.7	98.0	98.0	7.3		3.1		6		85				<0.2		0.6	
						4.4	0.1	140	19.8		7.9		33.7		98.0		7.3		3.1		6		85				<0.2		0.6	
					Bottom	7.8	0.1	120	19.7	19.7	7.9	7.9	34.1	34.1	96.8	96.9	7.2	7.2	5.4		7		88				<0.2		0.5	
						7.8	0.1	125	19.7		7.9		34.1		96.9		7.2		5.4		6		88				<0.2		0.6	
IM8	Cloudy	Moderate	20:38	8.3	Surface	1.0	0.2	46	20.0	20.0	8.4	8.4	31.9	31.9	99.6	99.6	7.5	7.4	2.6	4.2	5	6	81	84	821827	808160	<0.2	<0.2	1.0	0.9
						1.0	0.2	49	20.0		8.4		31.9		99.6		7.5		2.6		4		82				<0.2		0.9	
					Middle	4.2	0.3	36	20.0	20.0	8.4	8.4	32.6	32.6	97.8	97.7	7.4		3.8		6		85				<0.2		1.0	
						4.2	0.3	38	19.9		8.4		32.7		97.6		7.3		4.1		6		85				<0.2		0.9	
					Bottom	7.3	0.2	14	19.7	19.7	8.4	8.4	33.5	33.5	97.4	97.6	7.3	7.3	6.0		6		86				<0.2		0.9	
						7.3	0.2	15	19.7		8.4		33.5		97.7		7.3		5.8		7		86				<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 05 March 20 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	20:43	8.0	Surface	1.0	0.4	52	20.0	20.0	8.4	8.4	32.0	32.0	97.6	97.5	7.4	7.3	2.7	5.0	5	7	81	85	822071	808794	<0.2	<0.2	1.0	0.9
						1.0	0.4	54	20.0		8.4		32.0		97.4		7.3		2.7		6		81				<0.2		0.9	
					Middle	4.0	0.5	54	19.9	19.9	8.4	8.4	32.4	32.5	95.4	95.5	7.2		4.3		7		86				<0.2		0.9	
						4.0	0.5	58	19.8		8.4		32.5		95.6		7.2		4.7		8		86				<0.2		0.9	
					Bottom	7.0	0.4	42	19.7	19.8	8.4	8.3	33.4	33.4	97.6	97.7	7.3	7.3	7.7		8		89				<0.2		1.0	
						7.0	0.4	45	19.8		8.3		33.4		97.7		7.3		7.7		9		89				<0.2		0.9	
IM10	Cloudy	Moderate	20:52	9.2	Surface	1.0	0.5	62	19.9	19.9	8.4	8.4	32.2	32.2	96.8	96.8	7.3	7.3	4.3	8.8	6	7	81	85	822362	809781	<0.2	<0.2	0.9	0.9
						1.0	0.5	62	19.9		8.4		32.2		96.7		7.3		4.4		5		82				<0.2		0.9	
					Middle	4.6	0.5	64	19.9	19.9	8.4	8.4	32.6	32.6	96.3	96.4	7.3		7.9		6		84				<0.2		0.9	
						4.6	0.5	65	19.9		8.4		32.6		96.4		7.3		7.7		7		85				<0.2		1.0	
					Bottom	8.2	0.4	50	19.8	19.8	8.4	8.4	33.0	33.0	96.5	96.6	7.2	7.3	14.4		9		89				<0.2		1.0	
						8.2	0.4	54	19.8		8.4		33.0		96.6		7.3		14.2		8		89				<0.2		0.9	
IM11	Cloudy	Moderate	21:03	8.1	Surface	1.0	0.6	169	19.8	19.8	8.3	8.3	32.1	32.1	93.5	93.5	7.1	7.1	3.6	6.0	9	9	82	85	822054	811449	<0.2	<0.2	1.0	1.0
						1.0	0.6	172	19.8		8.3		32.1		93.5		7.1		3.6		9		82				<0.2		1.0	
					Middle	4.1	0.5	166	19.9	19.9	8.3	8.3	32.3	32.3	92.7	92.6	7.0		4.3		9		84				<0.2		0.9	
						4.1	0.6	177	19.9		8.3		32.4		92.5		7.0		4.7		8		84				<0.2		1.0	
					Bottom	7.1	0.4	152	19.8	19.8	8.3	8.3	32.8	32.8	93.7	94.0	7.1	7.1	10.0		8		89				<0.2		0.9	
						7.1	0.4	162	19.8		8.3		32.8		94.3		7.1		10.0		9		89				<0.2		0.9	
IM12	Cloudy	Moderate	21:09	10.1	Surface	1.0	0.5	144	19.8	19.8	8.3	8.3	32.3	32.3	90.3	90.4	6.8	6.8	5.1	5.8	12	9	84	87	821469	812029	<0.2	<0.2	0.9	0.9
						1.0	0.6	154	19.8		8.3		32.3		90.4		6.8		5.2		12		84				<0.2		0.9	
					Middle	5.1	0.4	143	19.7	19.7	8.3	8.3	33.1	33.1	90.9	90.9	6.8		5.7		9		87				<0.2		0.9	
						5.1	0.5	151	19.7		8.3		33.1		90.9		6.8		5.8		10		87				<0.2		0.9	
					Bottom	9.1	0.3	135	19.7	19.7	8.3	8.3	33.2	33.2	93.0	93.2	7.0	7.0	6.5		6		89				<0.2		0.9	
						9.1	0.4	144	19.7		8.3		33.2		93.4		7.0		6.6		5		90				<0.2		1.0	
SR1A	Cloudy	Calm	21:31	5.4	Surface	1.0	-	-	19.9	19.9	8.3	8.3	31.9	31.9	88.7	88.8	6.7	6.7	3.1	3.6	5	6	-	-	819974	812659	-	-	-	-
						1.0	-	-	19.9		8.3		31.9		88.8		6.7		3.1		4		-				-		-	
					Middle	2.7	-	-	-	-		-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-				-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	19.7	19.7	8.3	8.3	33.1	33.0	90.2	90.3	6.8	6.8	3.9		8		-				-		-	
						4.4	-	-	19.7		8.3		33.0		90.3		6.8		4.0		7		-				-		-	
SR2	Cloudy	Moderate	21:43	5.0	Surface	1.0	0.6	97	19.8	19.8	8.3	8.3	32.3	32.3	93.5	93.5	7.1	7.1	3.2	4.1	7	8	83	86	821472	814158	<0.2	<0.2	0.9	0.9
						1.0	0.6	101	19.8		8.3		32.3		93.5		7.1		3.4		7		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	90	19.7	19.7	8.3	8.3	33.1	33.1	95.4	95.5	7.2	7.2	5.0		8		88				<0.2		1.0	
						4.0	0.4	92	19.7		8.3		33.1		95.6		7.2		5.0		8		88				<0.2		0.9	
SR3	Cloudy	Moderate	20:33	9.5	Surface	1.0	0.1	92	20.0	20.0	8.4	8.4	31.7	31.8	96.6	96.5	7.3	7.3	3.0	4.9	7	6	-	-	822147	807547	-	-	-	-
						1.0	0.1	98	20.0		8.4		31.8		96.4		7.3		3.2		7		-				-		-	
					Middle	4.8	0.1	97	19.9	19.9	8.4	8.4	32.6	32.6	95.4	95.5	7.2		5.0		5		-				-		-	
						4.8	0.2	106	19.9		8.4		32.6		95.6		7.2		5.0		6		-				-		-	
					Bottom	8.5	0.1	61	19.8	19.8	8.4	8.4	33.4	33.4	97.0	97.0	7.3	7.3	6.5		4		-				-		-	
						8.5	0.1	61	19.8		8.4		33.4		96.9		7.3		6.5		5		-				-		-	
SR4A	Cloudy	Calm	22:13	9.0	Surface	1.0	0.1	76	19.8	19.8	8.0	8.0	33.4	33.4	98.5	98.5	7.4	7.4	1.9	2.9	5	6	-	-	817165	807810	-	-	-	-
						1.0	0.1	76	19.8		8.0		33.4		98.4		7.4		1.9		6		-				-		-	
					Middle	4.5	0.1	68	19.7	19.7	8.0	8.0	34.1	34.1	99.1	99.2	7.4		3.2		6		-				-		-	
						4.5	0.1	73	19.7		8.0		34.1		99.2		7.4		3.2		5		-				-		-	
					Bottom	8.0	0.1	79	19.7	19.7	8.1	8.1	34.1	34.1	99.5	99.4	7.4	7.4	3.6		6		-				-		-	
						8.0	0.1	82	19.7		8.1		34.1		99.3		7.4		3.5		5		-				-		-	
SR5A	Cloudy	Calm	22:32	3.7	Surface	1.0	0.1	329	20.3	20.3	7.9	7.9	31.6	31.6	97.3	97.4	7.3	7.3	2.9	2.9	4	5	-	-	816572	810679	-	-	-	-
						1.0	0.1	352	20.3		8.0		31.6		97.4		7.3		2.9		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	332	20.0	20.0	8.0	8.0	32.5	32.5	97.1	97.2	7.3	7.3	2.9		6		-				-		-	
						2.7	0.1	339	20.0		8.0		32.5		97.3		7.3		2.9		5		-				-		-	
SR6A	Cloudy	Calm	23:00	3.9	Surface	1.0	0.1	75	20.1	20.1	7.8	7.8	31.6	31.6	90.4	90.5	6.8	6.8	3.8	3.7	8	9	-	-	817947	814760	-	-	-	-
						1.0	0.1	80	20.1		7.8		31.6		90.5		6.8		3.8		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	187	20.0	20.0	7.8	7.8	32.2	32.2	93.0	93.1	7.0	7.0	3.5		8		-				-		-	
						2.9	0.0	198	20.0		7.8		32.2		93.2		7.0		3.5		9		-				-		-	
SR7	Cloudy	Moderate	22:31	16.1	Surface	1.0	0.3	84	19.6	19.6	8.4	8.4	33.6	33.6	92.8	92.8	7.0	7.0	2.1	2.4	5	6	-	-	823648	823759	-	-	-	-
						1.0	0.3	84	19.6		8.4		33.6		92.8		7.0		2.2		5		-				-		-	
					Middle	8.1	0.3	65	19.6	19.6	8.4	8.4	33.6	33.6	92.7	92.7	7.0		2.3		6		-				-		-	
						8.1	0.4	71	19.6		8.4		33.6		92.7		7.0		2.3		5		-				-		-	
					Bottom	15.1	0.2	39	19.6	19.6	8.4	8.4	33.7	33.7	92.8	92.9	7.0	7.0	2.7		6		-				-		-	
						15.1	0.2	42	19.6		8.4		33.7		92.9		7.0		2.7		7		-				-		-	
SR8	Cloudy	Calm	21:22	5.3	Surface	1.0	-	-	20.0	20.0	8.3	8.3	32.1	32.2	90.1	90.2	6.8	6.8	12.6	9.8	9	10	-	-	820366	811639	-	-	-	-
						1.0	-	-	20.0		8.3		32.2		90.2		6.8		12.0		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	19.8	19.8	8.3	8.3	32.9	32.9	92.1	92.4	6.9	7.0	7.3		12		-				-		-	
						4.3	-	-	19.8		8.3		32.9		92.6		7.0		7.4		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 05 March 20 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	09:22	7.8	Surface	1.0	0.1	24	19.5	19.5	7.9	7.9	31.7	31.7	99.4	99.4	7.6	7.6	2.7	3.1	8	7	83	86	815602	804259	<0.2	<0.2	0.6	0.6
						1.0	0.2	25	19.5		7.9		31.7		99.4		7.6		2.7		8		83				<0.2		0.6	
					Middle	3.9	0.2	57	19.5	19.5	7.9	7.9	31.8	31.8	99.0	99.0	7.5		2.4		8		86				<0.2		0.5	
						3.9	0.2	59	19.5		7.9		31.8		99.0		7.5		2.4		7		86				<0.2		0.6	
					Bottom	6.8	0.2	61	19.5	19.5	7.9	7.9	33.1	33.1	99.3	99.3	7.5	7.5	4.3		6		89				<0.2		0.6	
						6.8	0.2	65	19.5		7.9		33.1		99.3		7.5		4.3		6		89				<0.2		0.7	
C2	Cloudy	Moderate	10:37	11.8	Surface	1.0	0.2	216	20.0	20.0	8.3	8.3	30.6	30.6	94.0	94.0	7.1	7.1	3.0	5.0	5	4	85	87	825659	806960	<0.2	<0.2	1.0	1.1
						1.0	0.2	217	20.0		8.3		30.6		93.9		7.1		3.0		4		86				<0.2		1.0	
					Middle	5.9	0.0	238	20.0	20.0	8.3	8.3	31.8	31.9	92.9	92.9	7.0		5.0		4		85				<0.2		1.0	
						5.9	0.0	261	19.9		8.3		32.0		92.8		7.0		5.3		4		85				<0.2		1.1	
					Bottom	10.8	0.1	302	19.8	19.8	8.3	8.3	32.5	32.5	94.4	94.6	7.1	7.1	7.0		4		90				<0.2		1.1	
						10.8	0.1	302	19.8		8.3		32.4		94.8		7.1		6.8		4		90				<0.2		1.1	
C3	Rainy	Moderate	08:47	12.2	Surface	1.0	0.2	269	19.6	19.6	8.4	8.4	33.2	33.2	92.4	92.4	7.0	7.0	1.5	2.6	5	5	69	82	822114	817810	<0.2	<0.2	0.7	0.8
						1.0	0.2	275	19.6		8.4		33.2		92.3		7.0		1.5		4		70				<0.2		0.7	
					Middle	6.1	0.1	293	19.6	19.6	8.4	8.4	33.6	33.6	92.2	92.2	6.9		1.8		4		86				<0.2		0.8	
						6.1	0.1	303	19.6		8.4		33.6		92.2		6.9		1.9		5		86				<0.2		0.6	
					Bottom	11.2	0.2	329	19.6	19.6	8.3	8.3	33.7	33.7	92.8	92.9	7.0	7.0	4.4		4		89				<0.2		0.9	
						11.2	0.2	339	19.6		8.3		33.7		92.9		7.0		4.6		5		90				<0.2		0.8	
IM1	Cloudy	Moderate	09:44	4.7	Surface	1.0	0.0	118	19.7	19.7	7.9	7.9	31.3	31.3	98.0	98.0	7.5	7.5	3.1	5.3	3	4	84	86	817962	807138	<0.2	<0.2	0.9	0.8
						1.0	0.0	128	19.7		7.9		31.3		97.9		7.5		3.1		3		85				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	101	19.6	19.6	7.9	7.9	31.7	31.7	96.4	96.4	7.3	7.3	7.6		5		87				<0.2		0.8	
						3.7	0.0	105	19.6		7.9		31.7		96.4		7.3		7.6		6		88				<0.2		0.7	
IM2	Cloudy	Moderate	09:54	6.8	Surface	1.0	0.1	303	19.7	19.7	8.0	8.0	31.2	31.2	99.9	99.9	7.6	7.6	3.2	5.2	5	6	84	87	818162	806152	<0.2	<0.2	1.0	0.9
						1.0	0.1	317	19.7		8.0		31.2		99.9		7.6		3.2		4		84				<0.2		0.9	
					Middle	3.4	0.1	36	19.7	19.7	8.0	8.0	31.8	31.8	98.2	98.2	7.5		4.0		6		87				<0.2		0.9	
						3.4	0.1	39	19.7		8.0		31.7		98.2		7.5		4.0		7		88				<0.2		0.9	
					Bottom	5.8	0.1	53	19.7	19.7	8.0	8.0	32.4	32.4	97.2	97.3	7.3	7.3	8.3		6		90				<0.2		1.0	
						5.8	0.2	56	19.7		8.0		32.4		97.3		7.3		8.3		7		90				<0.2		0.9	
IM3	Cloudy	Moderate	10:01	7.1	Surface	1.0	0.1	282	19.7	19.7	8.0	8.0	31.5	31.5	99.9	99.9	7.6	7.5	3.7	5.6	6	5	84	87	818773	805615	<0.2	<0.2	0.8	0.8
						1.0	0.1	286	19.7		8.0		31.5		99.9		7.6		3.6		5		84				<0.2		0.8	
					Middle	3.6	0.1	23	19.7	19.7	8.0	8.0	32.0	32.0	98.0	98.0	7.4		4.2		4		87				<0.2		0.8	
						3.6	0.1	24	19.7		8.0		32.0		98.0		7.4		4.2		5		87				<0.2		0.8	
					Bottom	6.1	0.1	39	19.7	19.7	8.0	8.0	32.5	32.5	96.8	96.8	7.3	7.3	9.0		5		89				<0.2		0.9	
						6.1	0.1	41	19.7		8.0		32.5		96.8		7.3		9.0		4		90				<0.2		0.8	
IM4	Cloudy	Moderate	10:10	7.9	Surface	1.0	0.1	331	19.8	19.8	8.0	8.0	31.7	31.7	99.8	99.8	7.6	7.5	3.2	4.1	5	5	83	87	819729	804600	<0.2	<0.2	0.7	0.7
						1.0	0.1	333	19.8		8.0		31.7		99.8		7.6		3.2		5		84				<0.2		0.8	
					Middle	4.0	0.1	8	19.7	19.7	8.0	8.0	32.2	32.2	97.9	97.9	7.4		4.1		6		87				<0.2		0.7	
						4.0	0.1	8	19.7		8.0		32.2		97.8		7.4		4.1		5		87				<0.2		0.7	
					Bottom	6.9	0.2	42	19.7	19.7	8.0	8.0	32.5	32.5	97.0	97.0	7.3	7.3	5.0		5		90				<0.2		0.7	
						6.9	0.2	42	19.7		8.0		32.5		97.0		7.3		4.9		6		90				<0.2		0.8	
IM5	Cloudy	Moderate	10:18	7.2	Surface	1.0	0.2	359	19.9	19.9	8.0	8.0	30.5	30.5	98.4	98.4	7.5	7.5	2.6	4.0	4	4	84	87	820735	804872	<0.2	<0.2	0.7	0.7
						1.0	0.2	330	19.9		8.0		30.5		98.4		7.5		2.6		5		83				<0.2		0.8	
					Middle	3.6	0.2	19	19.7	19.7	8.0	8.0	31.8	31.8	98.5	98.5	7.5		3.5		4		87				<0.2		0.7	
						3.6	0.2	20	19.7		8.0		31.8		98.5		7.5		3.4		4		87				<0.2		0.7	
					Bottom	6.2	0.1	36	19.7	19.7	8.0	8.0	32.1	32.1	97.7	97.7	7.4	7.4	5.9		3		89				<0.2		0.7	
						6.2	0.1	36	19.7		8.0		32.1		97.7		7.4		5.9		4		89				<0.2		0.7	
IM6	Cloudy	Moderate	10:28	7.0	Surface	1.0	0.0	339	20.0	20.0	8.0	8.0	29.8	29.8	97.6	97.6	7.4	7.4	2.2	4.0	3	4	84	87	821065	805822	<0.2	<0.2	0.9	0.9
						1.0	0.0	354	20.0		8.0		29.8		97.6		7.4		2.2		4		83				<0.2		1.0	
					Middle	3.5	0.2	66	19.7	19.7	8.0	8.0	31.4	31.4	97.8	97.8	7.4		3.5		4		87				<0.2		0.9	
						3.5	0.2	66	19.7		8.0		31.4		97.7		7.4		3.5		3		87				<0.2		0.9	
					Bottom	6.0	0.2	64	19.7	19.7	8.0	8.0	31.8	31.8	97.2	97.2	7.4	7.4	6.2		4		89				<0.2		0.9	
						6.0	0.2	65	19.7		8.0		31.8		97.2		7.4		6.3		3		89				<0.2		0.9	
IM7	Cloudy	Moderate	10:37	8.2	Surface	1.0	0.1	274	20.1	20.1	8.0	8.0	29.5	29.5	97.3	97.3	7.4	7.4	2.1	4.2	4	3	83	87	821330	806815	<0.2	<0.2	1.2	1.1
						1.0	0.1	293	20.1		8.0		29.5		97.3		7.4		2.1		3		83				<0.2		1.1	
					Middle	4.1	0.2	63	19.8	19.8	8.0	8.0	31.0	31.0	96.8	96.8	7.4		4.2		3		87				<0.2		1.1	
						4.1	0.2	68	19.8		8.0		31.0		96.8		7.4		4.2		3		87				<0.2		1.1	
					Bottom	7.2	0.2	58	19.7	19.7	8.0	8.0	31.6	31.6	96.5	96.5	7.3	7.3	6.4		3		90				<0.2		1.1	
						7.2	0.2	63	19.7		8.0		31.6		96.5		7.3		6.4		3		90				<0.2		1.1	
IM8	Cloudy	Moderate	10:11	7.9	Surface	1.0	0.1	132	20.1	20.1	8.3	8.3	30.5	30.5	95.2	95.3	7.2	7.3	2.9	4.5	4	4	82	84	821815	808125	<0.2	<0.2	1.1	1.1
						1.0	0.1	136	20.1		8.3		30.5		95.3		7.2		2.9		4		82				<0.2		1.1	
					Middle	4.0	0.1	179	20.0	20.1	8.3	8.3	30.7	30.7	95.7	95.8	7.3		3.1		4		83				<0.2		1.2	
						4.0	0.1	188	20.1		8.3		30.7		95.8		7.3		3.1		5		84				<0.2		1.1	
					Bottom	6.9	0.2	102	19.8	19.8	8.3	8.3	32.2	32.2	96.7	96.8	7.3	7.3	7.8		5		87				<0.2		1.1	
						6.9	0.2	109	19.8		8.3		32.2		96.8		7.3		7.5		4		88				<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 05 March 20 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	10:05	7.4	Surface	1.0	0.0	52	20.1	20.1	8.3	8.3	30.6	30.6	95.3	95.3	7.2	7.3	3.4	4.4	5	4	85	87	822076	808790	<0.2	<0.2	1.2	1.2
						1.0	0.0	52	20.1		8.3		30.6		95.3		7.2		3.4		5		85				<0.2		1.2	
					Middle	3.7	0.1	57	20.0	20.0	8.3	8.3	31.3	31.3	95.9	96.0	7.3		4.3		4		86				<0.2		1.3	
						3.7	0.1	57	20.0		8.3		31.4		96.0		7.3		4.5		4		87				<0.2		1.2	
					Bottom	6.4	0.2	45	19.9	19.9	8.3	8.3	31.8	31.8	96.5	96.7	7.3	7.3	5.3		3		90				<0.2		1.0	
						6.4	0.2	48	19.9		8.3		31.8		96.8		7.3		5.4		4		90				<0.2		1.1	
IM10	Cloudy	Moderate	09:58	8.0	Surface	1.0	0.1	18	20.1	20.1	8.3	8.3	30.9	30.9	91.5	91.5	6.9	6.9	5.8	9.3	7	6	81	85	822363	809814	<0.2	<0.2	1.0	1.0
						1.0	0.1	19	20.1		8.3		30.9		91.4		6.9		5.8		7		81				<0.2		1.0	
					Middle	4.0	0.0	280	20.0	20.0	8.3	8.3	31.1	31.1	90.7	90.6	6.9		7.7		6		85				<0.2		1.0	
						4.0	0.0	280	20.0		8.3		31.2		90.5		6.9		8.5		6		85				<0.2		1.0	
					Bottom	7.0	0.1	285	19.9	19.9	8.3	8.3	31.6	31.6	90.9	91.0	6.9	6.9	14.0		5		90				<0.2		1.0	
						7.0	0.1	310	19.9		8.3		31.6		91.1		6.9		13.9		6		90				<0.2		1.0	
IM11	Cloudy	Moderate	09:48	7.1	Surface	1.0	0.1	213	19.8	19.8	8.3	8.3	31.3	31.3	92.1	92.0	7.0	7.0	2.8	4.3	3	4	81	84	822074	811446	<0.2	<0.2	0.8	0.8
						1.0	0.1	223	19.8		8.3		31.3		91.9		7.0		2.8		4		81				<0.2		0.8	
					Middle	3.6	0.1	112	19.9	19.9	8.3	8.3	31.7	31.7	91.2	91.2	6.9		3.7		4		86				<0.2		0.9	
						3.6	0.1	113	19.9		8.3		31.7		91.2		6.9		3.8		4		86				<0.2		0.8	
					Bottom	6.1	0.0	71	19.8	19.8	8.3	8.3	32.2	32.2	91.5	91.5	6.9	6.9	6.3		6		84				<0.2		0.9	
						6.1	0.0	72	19.8		8.3		32.2		91.5		6.9		6.4		5		84				<0.2		0.8	
IM12	Cloudy	Moderate	09:41	9.6	Surface	1.0	0.1	169	19.8	19.8	8.3	8.3	32.1	32.1	90.2	90.2	6.8	6.8	3.6	4.6	7	6	81	86	821479	812056	<0.2	<0.2	0.8	0.7
						1.0	0.1	180	19.8		8.3		32.1		90.2		6.8		3.6		6		82				<0.2		0.7	
					Middle	4.8	0.1	130	19.8	19.8	8.3	8.3	32.1	32.1	90.0	90.0	6.8		3.7		6		86				<0.2		0.8	
						4.8	0.1	142	19.8		8.3		32.1		90.0		6.8		3.7		6		87				<0.2		0.7	
					Bottom	8.6	0.0	331	19.8	19.8	8.3	8.3	32.7	32.7	90.1	90.5	6.8	6.8	6.3		6		90				<0.2		0.7	
						8.6	0.0	341	19.8		8.3		32.7		90.9		6.8		6.6		6		90				<0.2		0.7	
SR1A	Cloudy	Calm	09:22	5.3	Surface	1.0	-	-	19.9	19.9	8.3	8.3	31.5	31.5	88.5	88.5	6.7	6.7	4.9	5.8	6	5	-	-	819975	812659	-	-	-	-
						1.0	-	-	19.9		8.3		31.6		88.5		6.7		5.0		5		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	19.8	19.8	8.3	8.3	32.5	32.5	89.0	89.1	6.7	6.7	6.7		4		-				-		-	
						4.3	-	-	19.8		8.3		32.5		89.1		6.7		6.6		6		-				-		-	
SR2	Cloudy	Moderate	09:09	4.9	Surface	1.0	0.2	345	19.8	19.8	8.3	8.3	31.1	31.2	91.6	91.4	7.0	7.0	3.4	6.5	2	3	64	74	821458	814183	<0.2	<0.2	0.8	0.8
						1.0	0.2	317	19.8		8.3		31.2		91.2		6.9		3.1		3		64				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	353	19.8	19.8	8.3	8.3	32.7	32.6	89.9	90.1	6.8	6.8	9.9		4		83				<0.2		0.7	
						3.9	0.1	359	19.8		8.3		32.6		90.2		6.8		9.7		4		83				<0.2		0.7	
SR3	Cloudy	Moderate	10:17	8.9	Surface	1.0	0.1	220	20.2	20.2	8.3	8.3	30.5	30.6	93.6	93.7	7.1	7.2	2.6	3.9	3	3	-	-	822133	807561	-	-	-	-
						1.0	0.1	228	20.2		8.3		30.6		93.7		7.1		2.8		3		-				-		-	
					Middle	4.5	0.1	189	20.0	20.0	8.3	8.3	31.4	31.4	95.9	96.0	7.2		4.1		3		-				-		-	
						4.5	0.1	196	20.0		8.3		31.5		96.1		7.3		4.2		3		-				-		-	
					Bottom	7.9	0.2	32	19.9	20.0	8.3	8.3	31.9	31.9	97.2	97.3	7.3	7.3	4.8		3		-				-		-	
						7.9	0.2	33	20.0		8.3		31.8		97.3		7.3		4.7		4		-				-		-	
SR4A	Cloudy	Calm	09:01	8.9	Surface	1.0	0.1	67	19.7	19.7	7.9	7.9	30.8	30.8	98.0	98.0	7.5	7.5	3.4	6.5	8	7	-	-	817189	807818	-	-	-	-
						1.0	0.1	71	19.7		7.9		30.8		97.9		7.5		3.4		8		-				-		-	
					Middle	4.5	0.2	67	19.7	19.7	7.8	7.8	31.6	31.6	97.2	97.2	7.4		7.5		8		-				-		-	
						4.5	0.2	67	19.7		7.8		31.6		97.2		7.4		7.5		7		-				-		-	
					Bottom	7.9	0.2	59	19.7	19.7	7.8	7.8	31.7	31.7	97.2	97.3	7.4	7.4	8.6		5		-				-		-	
						7.9	0.2	60	19.7		7.8		31.7		97.3		7.4		8.5		5		-				-		-	
SR5A	Cloudy	Calm	08:42	3.5	Surface	1.0	0.0	316	19.8	19.8	7.8	7.8	30.0	30.0	90.8	90.8	6.9	6.9	5.9	6.5	8	10	-	-	816573	810677	-	-	-	-
						1.0	0.0	332	19.8		7.8		30.0		90.8		6.9		6.0		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	310	19.9	19.9	7.7	7.7	30.2	30.2	91.3	91.3	7.0	7.0	7.0		12		-				-		-	
						2.5	0.1	318	19.9		7.7		30.3		91.3		7.0		7.0		12		-				-		-	
SR6A	Cloudy	Calm	08:13	4.0	Surface	1.0	0.1	209	19.9	19.9	7.7	7.7	29.5	29.5	89.7	89.7	6.9	6.9	6.5	6.8	11	11	-	-	817974	814758	-	-	-	-
						1.0	0.1	224	19.9		7.7		29.5		89.7		6.9		6.5		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	216	19.9	19.9	7.7	7.7	29.5	29.5	90.2	90.3	6.9	6.9	7.2		10		-				-		-	
						3.0	0.1	226	19.9		7.7		29.5		90.3		6.9		7.1		10		-				-		-	
SR7	Rainy	Moderate	08:19	15.2	Surface	1.0	0.1	170	19.5	19.5	8.3	8.3	33.5	33.5	91.1	91.2	6.9	6.9	1.6	2.1	3	3	-	-	823616	823721	-	-	-	-
						1.0	0.1	178	19.5		8.3		33.6		91.2		6.9		1.6		2		-				-		-	
					Middle	7.6	0.1	139	19.6	19.6	8.3	8.3	33.7	33.7	92.2	92.3	6.9		2.3		3		-				-		-	
						7.6	0.1	152	19.6		8.3		33.7		92.3		6.9		2.3		3		-				-		-	
					Bottom	14.2	0.1	206	19.5	19.5	8.3	8.3	33.8	33.8	92.2	92.2	6.9	6.9	2.4		4		-				-		-	
						14.2	0.1	212	19.5		8.3		33.8		92.2		6.9		2.5		4		-				-		-	
SR8	Cloudy	Calm	09:32	5.1	Surface	1.0	-	-	20.1	20.1	8.3	8.3	30.6	30.6	92.3	92.2	7.0	7.0	5.2	5.0	12	11	-	-	820367	811605	-	-	-	-
						1.0	-	-	20.1		8.3		30.6		92.1		7.0		5.2		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	19.9	19.9	8.3	8.3	32.0	32.0	90.4	90.5	6.8	6.8	4.9		9		-				-		-	
						4.1	-	-	19.9		8.3		32.0		90.5		6.8		4.9		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 07 March 20 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	11:39	7.9	Surface	1.0	0.1	127	19.9	19.9	8.1	8.1	32.5	32.5	102.4	102.4	7.7	7.6	1.6	3.6	5	4	82	85	815600	804237	<0.2	<0.2	0.7	0.7
						1.0	0.1	129	19.9		8.1		32.5		102.3		7.7		1.7		4		82				<0.2		0.7	
					Middle	4.0	0.1	174	19.6	19.6	8.1	8.1	33.3	33.3	100.3	100.3	7.6		2.8		5		85				<0.2		0.6	
						4.0	0.1	190	19.6		8.1		33.3		100.2		7.5		2.8		4		85				<0.2		0.7	
					Bottom	6.9	0.2	210	19.5	19.5	8.1	8.1	34.0	34.0	98.7	98.8	7.4	7.4	6.3		3		89				<0.2		0.8	
						6.9	0.2	223	19.5		8.1		34.0		98.9		7.4		6.3		4		89				<0.2		0.7	
C2	Cloudy	Moderate	12:26	11.8	Surface	1.0	0.4	187	20.7	20.7	8.3	8.3	29.2	29.2	95.0	95.0	7.2	7.0	4.3	7.1	5	6	85	88	825664	806925	<0.2	<0.2	0.3	0.4
						1.0	0.4	201	20.6		8.3		29.2		95.0		7.2		4.3		6		85				<0.2		0.4	
					Middle	5.9	0.2	160	19.8	19.8	8.3	8.3	32.6	32.6	90.5	90.5	6.8		7.4		6		89				<0.2		0.4	
						5.9	0.3	169	19.8		8.3		32.6		90.5		6.8		7.6		5		89				<0.2		0.4	
					Bottom	10.8	0.1	172	19.8	19.8	8.3	8.3	32.6	32.6	91.2	91.3	6.9	6.9	9.5		5		91				<0.2		0.4	
						10.8	0.1	185	19.8		8.3		32.6		91.3		6.9		9.5		6		91				<0.2		0.4	
C3	Cloudy	Moderate	10:34	12.4	Surface	1.0	0.1	58	19.6	19.6	8.3	8.3	33.5	33.5	91.8	91.8	6.9	6.9	1.9	2.9	2	4	80	85	822085	817820	<0.2	<0.2	1.2	1.2
						1.0	0.1	58	19.6		8.3		33.5		91.7		6.9		1.9		3		81				<0.2		1.0	
					Middle	6.2	0.0	43	19.6	19.6	8.3	8.3	33.6	33.6	90.7	90.7	6.8		3.3		4		85				<0.2		1.3	
						6.2	0.0	43	19.6		8.3		33.6		90.7		6.8		3.4		5		85				<0.2		1.2	
					Bottom	11.4	0.1	81	19.6	19.6	8.3	8.3	33.6	33.6	91.1	91.2	6.9	6.9	3.6		5		89				<0.2		1.3	
						11.4	0.1	85	19.6		8.3		33.6		91.2		6.9		3.4		5		90				<0.2		1.3	
IM1	Cloudy	Moderate	12:01	4.7	Surface	1.0	0.1	192	20.0	20.0	8.1	8.1	33.4	33.4	102.4	102.4	7.7	7.7	2.7	2.9	5	6	84	86	817951	807119	<0.2	<0.2	0.6	0.6
						1.0	0.1	205	20.0		8.1		33.5		102.4		7.7		2.7		6		84				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	190	19.7	19.7	8.1	8.1	33.6	33.6	98.9	99.0	7.4	7.4	3.1		6		87				<0.2		0.5	
						3.7	0.1	196	19.7		8.1		33.6		99.0		7.4		3.1		5		88				<0.2		0.6	
IM2	Cloudy	Moderate	12:11	6.8	Surface	1.0	0.1	170	20.1	20.1	8.2	8.2	33.4	33.4	104.4	104.4	7.8	7.7	2.8	3.7	7	6	83	86	818168	806179	<0.2	<0.2	0.5	0.5
						1.0	0.1	171	20.1		8.2		33.4		104.3		7.8		2.8		6		83				<0.2		0.5	
					Middle	3.4	0.2	143	20.0	20.0	8.2	8.2	33.4	33.4	101.7	101.7	7.6		3.3		6		86				<0.2		0.4	
						3.4	0.2	150	20.0		8.2		33.5		101.7		7.6		3.3		5		86				<0.2		0.4	
					Bottom	5.8	0.2	168	19.7	19.7	8.2	8.2	34.0	33.9	100.5	100.5	7.5	7.5	4.9		5		89				<0.2		0.5	
						5.8	0.2	182	19.7		8.2		33.9		100.5		7.5		4.9		6		90				<0.2		0.5	
IM3	Cloudy	Moderate	12:19	6.9	Surface	1.0	0.1	175	20.1	20.1	8.2	8.2	33.5	33.5	104.6	104.6	7.8	7.8	2.8	3.3	5	5	82	86	818771	805600	<0.2	<0.2	0.4	0.4
						1.0	0.1	189	20.1		8.2		33.5		104.6		7.8		2.8		6		83				<0.2		0.4	
					Middle	3.5	0.1	151	19.9	19.9	8.2	8.2	33.6	33.6	103.1	103.0	7.7		2.7		5		85				<0.2		0.4	
						3.5	0.1	163	19.9		8.2		33.6		102.8		7.7		2.8		5		86				<0.2		0.4	
					Bottom	5.9	0.1	141	19.6	19.6	8.2	8.2	33.9	33.9	101.0	101.0	7.6	7.6	4.3		5		90				<0.2		0.5	
						5.9	0.1	149	19.6		8.2		33.9		101.0		7.6		4.4		4		90				<0.2		0.5	
IM4	Cloudy	Moderate	12:31	7.6	Surface	1.0	0.2	185	20.0	20.0	8.3	8.3	32.6	32.6	101.6	101.7	7.6	7.6	3.1	3.1	5	5	83	86	819740	804585	<0.2	<0.2	0.9	0.9
						1.0	0.2	198	20.0		8.3		32.6		101.7		7.6		3.0		5		83				<0.2		0.9	
					Middle	3.8	0.2	172	19.9	19.9	8.3	8.3	33.6	33.6	102.0	102.0	7.6		2.9		4		85				<0.2		0.8	
						3.8	0.2	186	19.9		8.3		33.6		102.0		7.6		2.9		5		86				<0.2		1.0	
					Bottom	6.6	0.1	170	19.8	19.8	8.3	8.3	33.8	33.8	99.6	99.6	7.5	7.5	3.4		4		90				<0.2		0.9	
						6.6	0.1	180	19.8		8.3		33.8		99.6		7.5		3.4		5		90				<0.2		1.0	
IM5	Cloudy	Moderate	12:44	7.1	Surface	1.0	0.3	188	20.2	20.2	8.2	8.2	31.6	31.6	101.0	101.0	7.6	7.6	3.1	4.6	6	5	82	86	820718	804875	<0.2	<0.2	0.9	0.9
						1.0	0.3	189	20.2		8.2		31.6		101.0		7.6		3.1		5		82				<0.2		0.8	
					Middle	3.6	0.3	173	19.7	19.7	8.2	8.2	33.7	33.7	100.7	100.7	7.5		4.9		4		85				<0.2		0.9	
						3.6	0.3	173	19.7		8.2		33.7		100.6		7.5		4.9		5		85				<0.2		0.8	
					Bottom	6.1	0.2	176	19.7	19.7	8.3	8.3	33.7	33.7	99.6	99.7	7.5	7.5	5.7		4		90				<0.2		0.9	
						6.1	0.2	185	19.7		8.3		33.7		99.7		7.5		5.6		5		90				<0.2		0.8	
IM6	Cloudy	Moderate	12:54	6.9	Surface	1.0	0.2	210	20.1	20.1	8.2	8.2	31.5	31.5	99.8	99.9	7.5	7.5	3.1	4.2	5	5	83	86	821061	805810	<0.2	<0.2	0.9	0.9
						1.0	0.2	216	20.1		8.2		31.5		99.9		7.5		3.1		5		83				<0.2		0.8	
					Middle	3.5	0.1	183	19.7	19.7	8.2	8.2	33.5	33.5	99.4	99.4	7.5		4.9		4		85				<0.2		0.8	
						3.5	0.2	198	19.7		8.2		33.5		99.3		7.4		4.9		5		86				<0.2		1.0	
					Bottom	5.9	0.1	173	19.7	19.7	8.2	8.2	33.5	33.5	98.9	98.9	7.4	7.4	4.6		5		90				<0.2		0.9	
						5.9	0.1	177	19.7		8.2		33.5		98.9		7.4		4.6		4		90				<0.2		0.9	
IM7	Cloudy	Moderate	13:05	8.2	Surface	1.0	0.1	201	20.3	20.3	8.2	8.2	31.1	31.1	97.1	97.1	7.3	7.3	3.0	4.3	6	6	83	86	821336	806812	<0.2	<0.2	0.9	0.9
						1.0	0.1	210	20.3		8.2		31.1		97.1		7.3		3.0		5		83				<0.2		0.9	
					Middle	4.1	0.1	162	20.0	20.0	8.2	8.2	32.7	32.7	97.2	97.2	7.3		4.5		6		86				<0.2		1.0	
						4.1	0.1	172	20.0		8.2		32.7		97.2		7.3		4.6		5		86				<0.2		0.8	
					Bottom	7.2	0.1	104	19.8	19.8	8.2	8.2	33.2	33.2	96.6	96.7	7.3	7.3	5.3		6		89				<0.2		0.9	
						7.2	0.1	110	19.8		8.2		33.2		96.7		7.3		5.4		5		90				<0.2		0.9	
IM8	Cloudy	Moderate	12:00	7.7	Surface	1.0	0.2	121	20.2	20.2	8.3	8.3	29.5	29.5	95.4	95.4	7.3	7.3	5.3	7.6	5	6	84	87	821850	808159	<0.2	<0.2	1.0	1.1
						1.0	0.2	127	20.1		8.3		29.6		95.4		7.3		5.6		6		85				<0.2		1.0	
					Middle	3.9	0.2	108	19.8	19.8	8.3	8.3	32.2	32.2	95.3	95.3	7.2		8.0		6		87				<0.2		1.1	
						3.9	0.2	116	19.8		8.3		32.3		95.3		7.2		8.2		6		86				<0.2		1.2	
					Bottom	6.7	0.2	70	19.8	19.8	8.3	8.3	32.8	32.8	95.2	95.2	7.2	7.2	9.2		6		90				<0.2		1.2	
						6.7	0.2	72	19.8		8.3		32.8		95.2		7.2		9.3		6		90				<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 07 March 20 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	11:53	7.4	Surface	1.0	0.3	94	20.4	20.4	8.3	8.3	29.2	29.2	95.8	95.9	7.3	7.3	4.6	8.4	8	7	84	86	822114	808821	<0.2	<0.2	0.7	0.9
						1.0	0.3	98	20.4		8.3		29.3		95.9		7.3		4.8		9		85				<0.2		0.7	
					Middle	3.7	0.4	97	19.8	19.8	8.3	8.3	32.6	32.6	95.3	95.3	7.2		9.0		7		85				<0.2		0.7	
						3.7	0.4	98	19.8		8.3		32.6		95.3		7.2		9.2		7		86				<0.2		0.7	
					Bottom	6.4	0.3	76	19.8	19.8	8.3	8.3	32.6	32.6	94.7	94.7	7.1	7.1	11.4		7		89				<0.2		1.2	
						6.4	0.3	80	19.8		8.3		32.6		94.7		7.1		11.5		6		89				<0.2		1.2	
IM10	Cloudy	Moderate	11:46	7.7	Surface	1.0	0.4	112	20.5	20.5	8.3	8.3	29.4	29.4	95.4	95.5	7.2	7.2	4.1	7.3	4	5	84	86	822393	809817	<0.2	<0.2	1.2	1.2
						1.0	0.5	117	20.5		8.3		29.4		95.5		7.2		4.1		4		84				<0.2		1.2	
					Middle	3.9	0.4	109	19.8	19.8	8.3	8.3	32.3	32.3	94.9	94.9	7.2		7.8		5		86				<0.2		1.3	
						3.9	0.4	116	19.8		8.3		32.4		94.8		7.2		7.9		4		86				<0.2		1.2	
					Bottom	6.7	0.4	109	19.8	19.9	8.3	8.3	32.5	32.4	93.8	93.8	7.1	7.1	10.0		5		89				<0.2		1.0	
						6.7	0.4	115	19.9		8.3		32.4		93.7		7.1		10.0		5		89				<0.2		1.1	
IM11	Cloudy	Moderate	11:34	7.4	Surface	1.0	0.5	112	20.2	20.2	8.3	8.3	30.8	30.9	93.9	93.9	7.1	7.1	6.2	6.8	5	6	82	85	822050	811463	<0.2	<0.2	1.1	1.0
						1.0	0.5	119	20.1		8.3		31.0		93.8		7.1		6.3		6		82				<0.2		1.0	
					Middle	3.7	0.4	114	19.9	19.9	8.3	8.3	32.1	32.1	93.3	93.3	7.0		6.6		7		85				<0.2		1.0	
						3.7	0.4	120	19.9		8.3		32.1		93.2		7.0		6.5		6		85				<0.2		1.0	
					Bottom	6.4	0.2	125	19.9	20.0	8.3	8.3	32.4	32.3	92.9	93.1	7.0	7.0	7.5		6		89				<0.2		1.1	
						6.4	0.3	127	20.0		8.3		32.3		93.2		7.0		7.6		8		89				<0.2		1.0	
IM12	Cloudy	Moderate	11:28	8.4	Surface	1.0	0.3	122	20.2	20.2	8.3	8.3	31.3	31.4	94.1	94.0	7.1	7.1	4.7	6.1	5	6	81	86	821458	812050	<0.2	<0.2	0.6	0.7
						1.0	0.4	128	20.1		8.3		31.5		93.8		7.1		4.8		5		82				<0.2		0.7	
					Middle	4.2	0.3	117	19.9	19.9	8.3	8.3	32.5	32.5	92.4	92.4	7.0		5.6		6		85				<0.2		0.6	
						4.2	0.3	125	19.9		8.3		32.5		92.3		7.0		5.8		7		85				<0.2		0.7	
					Bottom	7.4	0.2	101	19.8	19.8	8.3	8.3	32.7	32.7	92.0	92.1	6.9	6.9	7.8		8		90				<0.2		0.7	
						7.4	0.2	106	19.8		8.3		32.7		92.1		6.9		7.8		7		90				<0.2		0.6	
SR1A	Cloudy	Calm	11:08	5.3	Surface	1.0	-	-	19.8	19.8	8.3	8.3	32.4	32.4	91.9	92.0	6.9	6.9	4.2	4.7	6	6	-	-	819980	812663	-	-	-	-
						1.0	-	-	19.8		8.3		32.4		92.0		6.9		4.3		6		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	19.8	19.8	8.3	8.3	32.5	32.5	92.2	92.2	7.0	7.0	5.2		7		-				-		-	
						4.3	-	-	19.8		8.3		32.5		92.2		7.0		5.2		6		-				-		-	
SR2	Cloudy	Moderate	10:56	5.6	Surface	1.0	0.1	79	19.8	19.8	8.3	8.3	32.8	32.8	91.8	91.8	6.9	6.9	4.6	5.1	5	5	84	86	821477	814155	<0.2	<0.2	0.5	0.5
						1.0	0.1	80	19.8		8.3		32.8		91.7		6.9		4.7		6		84				<0.2		0.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	62	19.7	19.7	8.3	8.3	32.8	32.8	91.6	91.6	6.9	6.9	5.6		5		88				<0.2		0.5	
						4.6	0.1	62	19.7		8.3		32.8		91.6		6.9		5.4		5		88				<0.2		0.5	
SR3	Cloudy	Moderate	12:05	9.4	Surface	1.0	0.2	234	20.4	20.4	8.3	8.3	29.3	29.3	94.4	94.3	7.2	7.2	4.4	7.2	4	5	-	-	822145	807573	-	-	-	-
						1.0	0.2	245	20.3		8.3		29.4		94.2		7.2		4.5		5		-				-		-	
					Middle	4.7	0.2	202	19.9	19.9	8.3	8.3	32.1	32.1	94.0	94.1	7.1		6.0		5		-				-		-	
						4.7	0.2	208	19.9		8.3		32.2		94.2		7.1		6.5		6		-				-		-	
					Bottom	8.4	0.0	206	19.8	19.8	8.3	8.3	32.7	32.7	94.2	94.1	7.1	7.1	10.8		5		-				-		-	
						8.4	0.0	206	19.8		8.3		32.6		94.0		7.1		10.8		6		-				-		-	
SR4A	Cloudy	Calm	11:16	8.6	Surface	1.0	0.2	68	19.9	19.9	8.1	8.1	33.6	33.6	100.6	100.7	7.5	7.5	3.1	3.6	7	6	-	-	817169	807802	-	-	-	-
						1.0	0.3	72	19.9		8.1		33.6		100.7		7.5		3.2		6		-				-		-	
					Middle	4.3	0.2	60	19.7	19.7	8.1	8.1	33.7	33.7	99.5	99.4	7.5		3.5		7		-				-		-	
						4.3	0.3	63	19.7		8.1		33.7		99.3		7.4		3.5		6		-				-		-	
					Bottom	7.6	0.2	83	19.7	19.7	8.0	8.0	33.7	33.7	98.7	98.7	7.4	7.4	4.0		6		-				-		-	
						7.6	0.2	90	19.7		8.0		33.7		98.6		7.4		4.0		6		-				-		-	
SR5A	Cloudy	Calm	10:57	3.7	Surface	1.0	0.1	330	20.0	20.0	8.0	8.0	32.9	32.9	96.1	96.1	7.2	7.2	4.4	4.9	7	7	-	-	816606	810719	-	-	-	-
						1.0	0.1	330	20.0		8.0		32.9		96.1		7.2		4.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	140	19.9	19.9	8.0	8.0	33.0	33.0	95.7	95.8	7.2	7.2	5.5		8		-				-		-	
						2.7	0.0	145	19.9		8.0		33.0		95.8		7.2		5.3		8		-				-		-	
SR6A	Cloudy	Calm	10:27	4.1	Surface	1.0	0.0	110	19.8	19.8	7.9	7.9	33.0	33.0	91.6	91.7	6.9	6.9	3.8	4.5	7	7	-	-	817975	814755	-	-	-	-
						1.0	0.0	120	19.8		7.9		33.0		91.7		6.9		3.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	106	19.7	19.7	7.8	7.8	33.1	33.1	91.5	91.5	6.9	6.9	5.2		6		-				-		-	
						3.1	0.0	111	19.7		7.8		33.1		91.4		6.9		5.3		7		-				-		-	
SR7	Cloudy	Moderate	10:03	15.9	Surface	1.0	0.0	285	19.6	19.6	8.3	8.3	33.6	33.6	90.3	90.4	6.8	6.8	2.6	3.5	3	3	-	-	823615	823757	-	-	-	-
						1.0	0.0	293	19.6		8.3		33.6		90.4		6.8		2.6		2		-				-		-	
					Middle	8.0	0.0	127	19.5	19.5	8.3	8.3	33.7	33.7	90.7	90.7	6.8		3.9		3		-				-		-	
						8.0	0.0	133	19.5		8.3		33.7		90.7		6.8		3.9		4		-				-		-	
					Bottom	14.9	0.1	111	19.5	19.5	8.3	8.3	33.7	33.7	91.2	91.2	6.9	6.9	4.0		3		-				-		-	
						14.9	0.1	120	19.5		8.3		33.7		91.2		6.9		4.0		4		-				-		-	
SR8	Cloudy	Calm	11:20	4.8	Surface	1.0	-	-	20.2	20.2	8.3	8.3	32.4	32.4	94.8	94.8	7.1	7.1	6.1	6.1	6	7	-	-	820394	811628	-	-	-	-
						1.0	-	-	20.2		8.3		32.5		94.7		7.1		6.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	19.8	19.8	8.3	8.3	32.6	32.6	93.1	93.1	7.0	7.0	6.1		7		-				-		-	
						3.8	-	-	19.8		8.3		32.6		93.1		7.0		6.1		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 07 March 20 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	Fine	Moderate	16:21	8.2	Surface	1.0	0.3	47	20.7	20.7	8.4	8.4	32.8	32.8	110.6	110.5	8.2	8.0	1.0	2.1	2	4	83	86	815626	804235	<0.2	<0.2	0.6	0.6
						1.0	0.3	48	20.7		8.4		32.8		110.4		8.2		1.0		3		83				<0.2		0.5	
					Middle	4.1	0.3	47	19.8	19.8	8.3	8.3	33.5	33.5	104.1	104.1	7.8		1.5		3		85				<0.2		0.6	
						4.1	0.3	51	19.8		8.3		33.5		104.0		7.8		1.5		4		85				<0.2		0.5	
					Bottom	7.2	0.3	35	19.7	19.7	8.4	8.4	33.8	33.8	101.4	101.4	7.6	7.6	3.8		5		89				<0.2		0.5	
						7.2	0.3	36	19.7		8.4		33.8		101.3		7.6		3.8		5		89				<0.2		0.7	
C2	Fine	Moderate	15:13	11.7	Surface	1.0	0.3	190	21.2	21.2	8.3	8.3	28.9	28.9	98.0	97.9	7.4	7.3	3.9	5.9	4	5	85	88	825682	806928	<0.2	<0.2	1.4	1.4
						1.0	0.3	204	21.1		8.3		28.9		97.7		7.3		4.0		5		86				<0.2		1.4	
					Middle	5.9	0.1	190	20.1	20.1	8.3	8.3	31.2	31.3	94.8	94.8	7.2		6.4		4		89				<0.2		1.5	
						5.9	0.1	195	20.1		8.3		31.3		94.8		7.2		6.5		5		90				<0.2		1.5	
					Bottom	10.7	0.2	9	20.0	20.0	8.3	8.3	32.1	32.1	94.0	94.0	7.1	7.1	7.4		6		90				<0.2		1.4	
						10.7	0.2	9	20.0		8.3		32.2		94.0		7.1		7.3		6		90				<0.2		1.4	
C3	Cloudy	Moderate	17:13	13.0	Surface	1.0	0.3	272	19.7	19.7	8.3	8.3	33.4	33.4	91.4	91.4	6.9	6.9	2.4	4.5	4	3	85	88	822103	817813	<0.2	<0.2	0.6	0.6
						1.0	0.3	293	19.7		8.3		33.4		91.3		6.9		2.6		4		86				<0.2		0.6	
					Middle	6.5	0.4	267	19.6	19.6	8.3	8.3	33.5	33.5	90.8	90.8	6.8		4.4		3		89				<0.2		0.5	
						6.5	0.4	279	19.6		8.3		33.5		90.8		6.8		4.8		3		89				<0.2		0.5	
					Bottom	12.0	0.3	270	19.6	19.6	8.3	8.3	33.5	33.5	91.1	91.2	6.9	6.9	6.5		3		90				<0.2		0.6	
						12.0	0.3	272	19.6		8.3		33.5		91.2		6.9		6.6		3		90				<0.2		0.5	
IM1	Fine	Moderate	15:58	4.8	Surface	1.0	0.1	30	20.7	20.7	8.4	8.4	33.2	33.2	111.8	111.7	8.3	8.3	1.4	1.6	4	6	85	87	817946	807123	<0.2	<0.2	0.7	0.7
						1.0	0.1	32	20.7		8.4		33.2		111.6		8.2		1.4		5		85				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	355	20.4	20.4	8.4	8.4	33.4	33.4	104.9	104.9	7.8	7.8	1.8		7		88				<0.2		0.6	
						3.8	0.1	327	20.4		8.4		33.4		104.9		7.8		1.8		8		88				<0.2		0.7	
IM2	Fine	Moderate	15:49	6.9	Surface	1.0	0.1	12	20.7	20.7	8.4	8.4	33.0	33.0	111.6	111.6	8.3	8.0	1.7	3.1	7	6	83	87	818141	806185	<0.2	<0.2	0.6	0.6
						1.0	0.2	12	20.7		8.4		33.0		111.5		8.2		1.8		6		84				<0.2		0.6	
					Middle	3.5	0.1	325	19.8	19.8	8.3	8.3	33.6	33.6	102.7	102.7	7.7		2.1		4		86				<0.2		0.6	
						3.5	0.1	334	19.8		8.3		33.6		102.6		7.7		2.1		6		86				<0.2		0.6	
					Bottom	5.9	0.1	349	19.7	19.7	8.3	8.3	33.9	33.9	99.8	99.8	7.5	7.5	5.6		5		90				<0.2		0.6	
						5.9	0.1	321	19.7		8.3		33.9		99.8		7.5		5.4		5		90				<0.2		0.6	
IM3	Fine	Moderate	15:41	7.0	Surface	1.0	0.1	333	20.7	20.7	8.3	8.3	33.4	33.4	106.3	106.2	7.8	7.7	1.7	4.2	5	5	84	87	818789	805584	<0.2	<0.2	0.8	0.6
						1.0	0.1	341	20.7		8.3		33.4		106.1		7.8		1.7		5		85				<0.2		0.6	
					Middle	3.5	0.1	0	19.8	19.8	8.3	8.3	33.6	33.6	101.1	101.1	7.6		2.7		5		86				<0.2		0.6	
						3.5	0.1	0	19.8		8.3		33.6		101.1		7.6		2.7		5		86				<0.2		0.5	
					Bottom	6.0	0.1	3	19.6	19.6	8.3	8.3	33.9	33.9	99.0	99.0	7.4	7.4	8.1		5		90				<0.2		0.5	
						6.0	0.1	3	19.6		8.3		33.9		99.0		7.4		8.0		5		91				<0.2		0.6	
IM4	Fine	Moderate	15:30	7.8	Surface	1.0	0.1	264	20.1	20.1	8.3	8.3	32.9	33.0	101.0	101.0	7.6	7.5	2.9	3.1	3	5	84	87	819710	804607	<0.2	<0.2	1.0	1.0
						1.0	0.1	275	20.1		8.3		33.0		100.9		7.5		2.9		4		84				<0.2		1.0	
					Middle	3.9	0.0	307	19.9	19.9	8.3	8.3	33.5	33.5	99.8	99.9	7.5		3.3		5		86				<0.2		0.9	
						3.9	0.0	319	19.9		8.3		33.5		99.9		7.5		3.4		6		86				<0.2		0.9	
					Bottom	6.8	0.1	32	19.8	19.8	8.3	8.3	33.7	33.7	99.2	99.2	7.4	7.4	3.0		6		90				<0.2		1.0	
						6.8	0.1	32	19.8		8.3		33.7		99.2		7.4		3.1		5		90				<0.2		1.0	
IM5	Fine	Moderate	15:20	7.1	Surface	1.0	0.1	261	20.5	20.5	8.2	8.2	31.9	31.9	100.5	100.5	7.5	7.5	2.5	4.1	7	5	83	86	820721	804847	<0.2	<0.2	1.2	1.1
						1.0	0.1	282	20.5		8.2		31.9		100.5		7.5		2.5		6		84				<0.2		1.0	
					Middle	3.6	0.1	4	20.0	20.0	8.3	8.3	33.3	33.3	99.7	99.7	7.5		4.5		6		86				<0.2		1.1	
						3.6	0.1	4	20.0		8.3		33.3		99.7		7.5		4.6		5		86				<0.2		1.1	
					Bottom	6.1	0.1	342	19.9	19.9	8.3	8.3	33.5	33.5	98.4	98.4	7.4	7.4	5.1		4		89				<0.2		1.1	
						6.1	0.1	356	19.9		8.3		33.5		98.4		7.4		5.2		4		90				<0.2		1.1	
IM6	Fine	Moderate	15:12	6.7	Surface	1.0	0.1	295	20.9	20.9	8.2	8.2	30.6	30.6	98.5	98.5	7.4	7.4	1.9	3.2	4	4	84	87	821075	805842	<0.2	<0.2	1.2	1.2
						1.0	0.1	310	20.9		8.2		30.6		98.5		7.4		1.9		5		85				<0.2		1.2	
					Middle	3.4	0.1	287	20.1	20.1	8.3	8.3	32.6	32.6	98.6	98.6	7.4		3.4		5		85				<0.2		1.2	
						3.4	0.1	299	20.1		8.3		32.6		98.5		7.4		3.5		4		86				<0.2		1.1	
					Bottom	5.7	0.0	316	19.9	19.9	8.3	8.3	33.4	33.4	97.5	97.6	7.3	7.3	4.1		3		90				<0.2		1.2	
						5.7	0.0	322	19.9		8.3		33.4		97.7		7.3		4.1		4		90				<0.2		1.2	
IM7	Fine	Moderate	15:03	8.6	Surface	1.0	0.2	267	20.9	20.9	8.0	8.0	30.2	30.2	97.6	97.6	7.3	7.3	2.1	3.9	3	5	83	87	821363	806822	<0.2	<0.2	1.2	1.2
						1.0	0.2	291	20.9		8.0		30.2		97.5		7.3		2.2		3		84				<0.2		1.2	
					Middle	4.3	0.1	243	20.0	20.0	8.1	8.1	32.6	32.6	96.3	96.4	7.2		3.6		4		86				<0.2		1.2	
						4.3	0.1	246	20.0		8.1		32.6		96.4		7.2		3.6		5		86				<0.2		1.2	
					Bottom	7.6	0.0	95	19.8	19.8	8.1	8.1	33.3	33.3	95.8	95.8	7.2	7.2	5.9		6		90				<0.2		1.1	
						7.6	0.0	98	19.8		8.1		33.3		95.7		7.2		6.0		6		90				<0.2		1.2	
IM8	Fine	Moderate	15:39	7.6	Surface	1.0	0.3	238	20.7	20.7	8.3	8.3	30.4	30.4	99.7	99.7	7.5	7.4	4.1	5.3	5	6	85	88	821815	808116	<0.2	<0.2	1.6	1.4
						1.0	0.3	245	20.7		8.3		30.4		99.6		7.5		4.1		6		85				<0.2		1.4	
					Middle	3.8	0.3	229	20.4	20.4	8.3	8.3	30.9	31.0	97.8	97.6	7.4		5.3		6		89				<0.2		1.4	
						3.8	0.3	239	20.3		8.3		31.1		97.4		7.3		5.5		5		90				<0.2		1.3	
					Bottom	6.6	0.3	222	20.0	20.0	8.3	8.3	31.9	31.8	96.0	96.1	7.2	7.3	6.4		6		90				<0.2		1.4	
						6.6	0.4	230	20.0		8.3		31.8		96.1		7.3		6.5		6		90				<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 07 March 20 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	15:47	7.4	Surface	1.0	0.2	257	20.4	20.4	8.3	8.3	30.6	30.6	96.6	96.5	7.3	7.3	3.5	4.8	4	5	83	86	822087	808787	<0.2	<0.2	1.2	1.2
						1.0	0.2	276	20.3		8.3		30.7		96.3		7.3		3.5		4		82				<0.2		1.2	
					Middle	3.7	0.2	275	20.0	20.0	8.3	8.3	31.4	31.4	95.1	95.1	7.2		4.6		5		86				<0.2		1.2	
						3.7	0.2	292	20.0		8.3		31.5		95.1		7.2		4.8		6		85				<0.2		1.1	
					Bottom	6.4	0.3	257	20.0	20.0	8.3	8.3	31.7	31.7	95.7	95.7	7.2	7.2	6.2		6		89				<0.2		1.2	
						6.4	0.3	261	20.0		8.3		31.6		95.7		7.2		6.3		5		89				<0.2		1.2	
IM10	Fine	Moderate	15:55	8.1	Surface	1.0	0.3	293	20.3	20.3	8.3	8.3	30.8	30.8	96.1	95.9	7.2	7.2	3.8	4.4	6	6	84	88	822368	809802	<0.2	<0.2	1.2	1.2
						1.0	0.4	317	20.3		8.3		30.9		95.7		7.2		3.7		6		85				<0.2		1.2	
					Middle	4.1	0.3	297	20.0	20.0	8.3	8.3	31.4	31.4	94.9	95.0	7.2		4.3		6		88				<0.2		1.3	
						4.1	0.3	303	20.0		8.3		31.5		95.0		7.2		4.3		5		88				<0.2		1.2	
					Bottom	7.1	0.3	293	20.0	20.0	8.3	8.3	31.8	31.7	95.3	95.4	7.2	7.2	5.1		5		90				<0.2		1.3	
						7.1	0.3	298	20.0		8.3		31.7		95.4		7.2		5.1		6		90				<0.2		1.2	
IM11	Fine	Moderate	16:08	9.1	Surface	1.0	0.3	302	20.9	20.9	8.3	8.3	30.6	30.6	99.9	99.9	7.5	7.3	3.2	5.1	5	5	84	87	822065	811464	<0.2	<0.2	1.6	1.5
						1.0	0.4	319	20.9		8.3		30.6		99.9		7.5		3.2		4		84				<0.2		1.7	
					Middle	4.6	0.3	296	20.0	20.0	8.3	8.3	31.9	31.9	94.3	94.3	7.1		4.8		4		88				<0.2		1.6	
						4.6	0.4	314	20.0		8.3		31.9		94.3		7.1		4.9		5		88				<0.2		1.6	
					Bottom	8.1	0.3	297	19.9	19.9	8.3	8.3	32.3	32.2	94.9	95.0	7.2	7.2	7.4		6		90				<0.2		1.2	
						8.1	0.3	320	19.9		8.3		32.2		95.1		7.2		7.1		5		90				<0.2		1.1	
IM12	Fine	Moderate	16:15	8.5	Surface	1.0	0.4	292	20.5	20.5	8.3	8.3	31.1	31.2	99.2	99.2	7.4	7.3	4.0	5.8	4	5	85	88	821463	812041	<0.2	<0.2	1.1	1.1
						1.0	0.4	316	20.4		8.3		31.2		99.1		7.5		4.2		6		85				<0.2		1.1	
					Middle	4.3	0.3	297	19.9	19.9	8.3	8.3	31.8	31.8	94.4	94.4	7.1		5.1		5		88				<0.2		1.2	
						4.3	0.4	320	19.9		8.3		31.8		94.3		7.1		5.2		6		88				<0.2		1.1	
					Bottom	7.5	0.4	289	19.8	19.8	8.3	8.3	32.5	32.5	94.4	94.5	7.1	7.1	8.2		5		90				<0.2		1.1	
						7.5	0.4	299	19.8		8.3		32.5		94.5		7.1		8.3		6		90				<0.2		1.0	
SR1A	Cloudy	Calm	16:36	5.0	Surface	1.0	-	-	20.6	20.6	8.3	8.3	31.2	31.2	97.8	97.7	7.3	7.3	4.5	4.4	7	7	-	-	819973	812663	-	-	-	-
						1.0	-	-	20.5		8.3		31.3		97.6		7.3		4.5		7		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	20.2	20.2	8.3	8.3	31.8	31.8	96.3	96.4	7.2	7.2	4.3		8		-				-		-	
						4.0	-	-	20.2		8.3		31.8		96.4		7.2		4.3		7		-				-		-	
SR2	Cloudy	Moderate	16:49	4.9	Surface	1.0	0.1	24	20.0	20.0	8.3	8.3	32.3	32.3	93.8	93.8	7.1	7.1	4.3	4.8	5	4	84	87	821482	814147	<0.2	<0.2	0.9	0.9
						1.0	0.1	24	20.0		8.3		32.3		93.7		7.0		4.4		4		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	1	19.9	19.9	8.3	8.3	32.6	32.6	93.5	93.6	7.0	7.0	5.3		4		89				<0.2		0.9	
						3.9	0.1	1	19.9		8.3		32.6		93.7		7.0		5.3		4		89				<0.2		1.0	
SR3	Fine	Moderate	15:33	9.0	Surface	1.0	0.3	227	20.5	20.5	8.3	8.3	30.3	30.3	98.8	98.8	7.5	7.4	3.7	5.2	3	4	-	-	822170	807583	-	-	-	-
						1.0	0.3	228	20.4		8.3		30.4		98.7		7.4		3.8		4		-				-		-	
					Middle	4.5	0.2	238	20.0	20.0	8.3	8.3	31.9	32.0	96.4	96.4	7.3		5.2		4		-				-		-	
						4.5	0.2	258	19.9		8.3		32.1		96.3		7.3		5.6		5		-				-		-	
					Bottom	8.0	0.2	293	20.0	20.0	8.3	8.3	32.3	32.2	96.3	96.4	7.2	7.2	6.4		5		-				-		-	
						8.0	0.2	299	20.0		8.3		32.2		96.4		7.2		6.3		4		-				-		-	
SR4A	Fine	Calm	16:43	9.3	Surface	1.0	0.1	220	20.7	20.7	8.3	8.3	33.4	33.4	104.7	104.7	7.7	7.7	2.2	2.3	4	5	-	-	817174	807829	-	-	-	-
						1.0	0.1	228	20.7		8.3		33.4		104.7		7.7		2.2		5		-				-		-	
					Middle	4.7	0.0	231	20.3	20.3	8.3	8.3	33.6	33.6	102.4	102.4	7.6		2.0		5		-				-		-	
						4.7	0.0	251	20.3		8.3		33.6		102.4		7.6		2.0		6		-				-		-	
					Bottom	8.3	0.1	271	19.8	19.8	8.3	8.3	33.8	33.8	99.2	99.3	7.4	7.4	2.6		6		-				-		-	
						8.3	0.1	289	19.8		8.3		33.8		99.3		7.4		2.6		6		-				-		-	
SR5A	Fine	Calm	17:02	3.8	Surface	1.0	0.1	270	20.4	20.4	8.2	8.2	33.1	33.1	102.2	102.2	7.6	7.6	2.3	2.1	5	6	-	-	816605	810717	-	-	-	-
						1.0	0.1	295	20.4		8.2		33.1		102.2		7.6		2.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	292	20.5	20.5	8.2	8.2	33.2	33.2	103.3	103.3	7.7	7.7	1.9		6		-				-		-	
						2.8	0.1	294	20.5		8.2		33.2		103.3		7.7		1.9		6		-				-		-	
SR6A	Fine	Calm	17:43	4.3	Surface	1.0	0.1	221	20.2	20.2	8.1	8.1	32.9	32.9	94.5	94.5	7.1	7.1	2.7	2.8	6	7	-	-	817970	814749	-	-	-	-
						1.0	0.1	242	20.2		8.1		32.9		94.5		7.1		2.7		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	221	20.1	20.1	8.1	8.1	32.9	32.9	94.1	94.1	7.0	7.0	2.8		8		-				-		-	
						3.3	0.1	226	20.1		8.1		32.9		94.0		7.0		2.9		8		-				-		-	
SR7	Cloudy	Moderate	17:49	15.6	Surface	1.0	0.1	299	19.9	19.9	8.3	8.3	33.4	33.4	91.8	91.8	6.9	6.9	2.1	2.6	3	3	-	-	823629	823762	-	-	-	-
						1.0	0.1	322	19.9		8.3		33.4		91.8		6.9		2.1		2		-				-		-	
					Middle	7.8	0.1	10	19.7	19.7	8.3	8.3	33.6	33.6	91.1	91.1	6.8		2.8		3		-				-		-	
						7.8	0.1	10	19.7		8.3		33.6		91.1		6.8		2.8		3		-				-		-	
					Bottom	14.6	0.1	24	19.7	19.7	8.3	8.3	33.6	33.6	91.8	91.8	6.9	6.9	2.9		3		-				-		-	
						14.6	0.1	25	19.7		8.3		33.6		91.8		6.9		2.9		2		-				-		-	
SR8	Cloudy	Calm	16:27	4.9	Surface	1.0	-	-	20.7	20.7	8.3	8.3	30.9	30.9	98.5	98.5	7.4	7.4	4.8	5.7	5	6	-	-	820381	811611	-	-	-	-
						1.0	-	-	20.7		8.3		30.9		98.4		7.4		4.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	20.2	20.3	8.3	8.3	31.7	31.7	96.2	96.3	7.2	7.2	6.4		6		-				-		-	
						3.9	-	-	20.3		8.3		31.7		96.4		7.2		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 10 March 20 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	Rough	13:09	8.0	Surface	1.0	0.4	185	20.9	20.9	8.3	8.3	29.9	29.9	105.1	105.1	7.9	7.7	4.8	6.5	12	11	86	88	815633	804257	<0.2	<0.2	1.7	1.8
						1.0	0.4	187	20.9		8.3		29.9		105.1		7.9		4.8		12		85				<0.2		1.6	
					Middle	4.0	0.4	197	20.5	20.5	8.3	8.3	30.6	30.6	99.5	99.5	7.5		7.0		10		88				<0.2		1.7	
						4.0	0.4	203	20.5		8.3		30.6		99.5		7.5		7.0		12		87				<0.2		1.8	
					Bottom	7.0	0.3	231	20.1	20.1	8.3	8.3	32.5	32.5	98.7	98.7	7.4	7.4	7.7		10		90				<0.2		1.9	
						7.0	0.3	247	20.1		8.3		32.5		98.7		7.4		7.7		10		89				<0.2		1.9	
C2	Fine	Moderate	11:54	12.2	Surface	1.0	0.2	96	20.9	20.9	8.3	8.3	28.7	28.8	93.9	94.0	7.1	7.1	13.0	14.7	20	23	87	90	825705	806933	<0.2	<0.2	0.9	0.9
						1.0	0.2	99	20.9		8.3		28.8		94.0		7.1		13.5		20		86				<0.2		0.9	
					Middle	6.1	0.3	87	20.8	20.8	8.3	8.3	29.3	29.3	94.4	94.5	7.1		14.2		24		91				<0.2		0.9	
						6.1	0.3	91	20.8		8.3		29.3		94.5		7.1		14.9		25		91				<0.2		0.9	
					Bottom	11.2	0.3	47	20.8	20.8	8.3	8.3	30.1	30.1	95.5	95.5	7.2	7.2	16.1		25		92				<0.2		0.9	
						11.2	0.3	49	20.8		8.3		30.1		95.5		7.2		16.3		25		93				<0.2		0.9	
C3	Fine	Moderate	13:27	12.0	Surface	1.0	0.6	78	20.9	20.9	8.3	8.3	31.1	31.1	95.3	95.3	7.1	7.0	4.4	5.6	6	8	85	88	822119	817807	<0.2	<0.2	1.3	1.2
						1.0	0.7	79	20.9		8.3		31.1		95.3		7.1		4.4		7		85				<0.2		1.2	
					Middle	6.0	0.6	78	20.5	20.5	8.3	8.3	31.8	31.8	91.9	92.0	6.9		6.4		8		88				<0.2		1.2	
						6.0	0.6	78	20.5		8.3		31.8		92.0		6.9		6.6		7		88				<0.2		1.2	
					Bottom	11.0	0.5	84	20.5	20.5	8.3	8.3	31.9	31.9	93.5	93.6	7.0	7.0	5.8		8		91				<0.2		1.2	
						11.0	0.5	89	20.5		8.3		31.9		93.7		7.0		5.9		9		91				<0.2		1.2	
IM1	Cloudy	Rough	12:46	4.5	Surface	1.0	0.2	193	21.2	21.2	8.3	8.3	30.3	30.3	107.0	107.0	8.0	8.0	6.1	6.6	12	12	85	88	817966	807133	<0.2	<0.2	1.1	1.1
						1.0	0.2	204	21.2		8.3		30.3		107.0		8.0		6.1		11		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	232	21.1	21.1	8.3	8.3	30.5	30.5	103.8	103.8	7.7	7.7	7.0		12		90				<0.2		1.1	
						3.5	0.2	233	21.1		8.3		30.5		103.8		7.7		7.0		12		89				<0.2		1.0	
IM2	Cloudy	Rough	12:39	6.6	Surface	1.0	0.2	142	21.0	21.0	8.2	8.2	30.0	30.0	101.6	101.6	7.6	7.6	7.0	8.6	12	11	86	88	818151	806164	<0.2	<0.2	1.0	1.1
						1.0	0.2	149	21.0		8.2		30.0		101.6		7.6		7.0		11		85				<0.2		1.1	
					Middle	3.3	0.1	181	20.9	20.9	8.2	8.2	30.2	30.2	99.9	99.9	7.5		8.3		11		88				<0.2		1.1	
						3.3	0.1	197	20.9		8.2		30.2		99.9		7.5		8.3		11		87				<0.2		1.2	
					Bottom	5.6	0.1	207	20.7	20.7	8.2	8.2	31.3	31.3	98.7	98.7	7.4	7.4	10.5		10		89				<0.2		1.1	
						5.6	0.2	211	20.7		8.2		31.3		98.7		7.4		10.5		10		90				<0.2		1.0	
IM3	Cloudy	Rough	12:30	7.0	Surface	1.0	0.1	109	21.0	21.0	8.2	8.2	30.1	30.1	100.8	100.8	7.5	7.5	7.5	8.6	12	14	86	88	818784	805598	<0.2	<0.2	1.2	1.3
						1.0	0.1	109	21.0		8.2		30.1		100.8		7.5		7.5		12		86				<0.2		1.2	
					Middle	3.5	0.0	239	20.8	20.8	8.2	8.2	30.4	30.4	98.7	98.7	7.4		8.8		14		87				<0.2		1.4	
						3.5	0.0	254	20.8		8.2		30.4		98.7		7.4		8.8		14		88				<0.2		1.2	
					Bottom	6.0	0.2	206	20.7	20.7	8.2	8.2	31.4	31.4	98.2	98.2	7.3	7.3	9.5		15		89				<0.2		1.3	
						6.0	0.2	218	20.7		8.2		31.4		98.2		7.3		9.5		15		89				<0.2		1.2	
IM4	Cloudy	Rough	12:21	7.6	Surface	1.0	0.4	147	20.9	20.9	8.2	8.2	30.3	30.3	98.8	98.8	7.4	7.4	10.5	12.0	11	14	86	88	819747	804613	<0.2	<0.2	1.2	1.3
						1.0	0.4	148	20.9		8.2		30.3		98.8		7.4		10.5		11		86				<0.2		1.3	
					Middle	3.8	0.2	151	20.8	20.8	8.2	8.2	30.5	30.5	97.7	97.7	7.3		12.6		14		88				<0.2		1.4	
						3.8	0.2	159	20.8		8.2		30.5		97.7		7.3		12.6		14		87				<0.2		1.2	
					Bottom	6.6	0.2	190	20.8	20.8	8.2	8.2	30.7	30.7	98.1	98.1	7.3	7.3	13.0		18		90				<0.2		1.4	
						6.6	0.2	205	20.8		8.2		30.7		98.1		7.3		13.0		18		91				<0.2		1.3	
IM5	Cloudy	Rough	12:13	7.8	Surface	1.0	0.2	180	21.2	21.2	8.2	8.2	28.7	28.7	100.0	100.0	7.5	7.6	5.4	7.6	9	10	86	88	820754	804889	<0.2	<0.2	1.4	1.4
						1.0	0.2	196	21.2		8.2		28.7		100.0		7.5		5.4		9		85				<0.2		1.5	
					Middle	3.9	0.2	187	21.0	21.0	8.2	8.2	29.7	29.7	100.8	100.8	7.6		8.0		10		87				<0.2		1.4	
						3.9	0.2	202	21.0		8.2		29.7		100.8		7.6		8.0		10		88				<0.2		1.4	
					Bottom	6.8	0.1	165	20.9	20.9	8.2	8.2	30.5	30.5	99.8	99.8	7.5	7.5	9.4		11		89				<0.2		1.4	
						6.8	0.1	174	20.9		8.2		30.5		99.8		7.5		9.4		11		91				<0.2		1.4	
IM6	Cloudy	Rough	12:04	7.0	Surface	1.0	0.2	227	20.9	20.9	8.1	8.1	28.9	28.9	96.6	96.6	7.3	7.3	5.9	7.7	11	11	86	88	821056	805825	<0.2	<0.2	1.4	1.4
						1.0	0.2	244	20.9		8.1		28.9		96.6		7.3		5.9		11		85				<0.2		1.3	
					Middle	3.5	0.1	250	20.8	20.8	8.1	8.1	29.8	29.8	96.9	96.9	7.3		7.7		11		87				<0.2		1.4	
						3.5	0.1	251	20.8		8.1		29.8		96.9		7.3		7.7		11		88				<0.2		1.3	
					Bottom	6.0	0.2	237	20.8	20.8	8.1	8.1	30.9	30.9	96.7	96.7	7.2	7.2	9.4		12		89				<0.2		1.4	
						6.0	0.2	249	20.8		8.1		30.9		96.7		7.2		9.4		12		90				<0.2		1.3	
IM7	Cloudy	Rough	11:54	7.7	Surface	1.0	0.1	233	21.0	21.0	8.0	8.0	28.4	28.4	97.1	97.1	7.3	7.3	6.4	7.6	12	12	86	88	821359	806812	<0.2	<0.2	1.4	1.3
						1.0	0.1	242	21.0		8.0		28.4		97.1		7.3		6.4		12		85				<0.2		1.3	
					Middle	3.9	0.1	211	20.8	20.8	8.0	8.0	29.7	29.7	96.7	96.7	7.3		6.8		11		87				<0.2		1.4	
						3.9	0.1	213	20.8		8.0		29.7		96.7		7.3		6.8		12		88				<0.2		1.2	
					Bottom	6.7	0.1	249	20.7	20.7	7.9	7.9	30.8	30.8	96.6	96.6	7.2	7.2	9.7		12		89				<0.2		1.3	
						6.7	0.1	269	20.7		7.9		30.8		96.6		7.2		9.7		12		90				<0.2		1.3	
IM8	Fine	Rough	12:16	8.0	Surface	1.0	0.4	128	21.1	21.1	8.3	8.3	27.8	27.8	94.0	94.2	7.1	7.2	6.6	8.8	10	9	86	90	821825	808141	<0.2	<0.2	1.4	1.4
						1.0	0.4	130	21.1		8.3		27.8		94.3		7.1		6.6		10		87				<0.2		1.4	
					Middle	4.0	0.4	113	20.8	20.8	8.3	8.3	30.2	30.3	95.5	95.5	7.2		9.5		9		90				<0.2		1.4	
						4.0	0.4	119	20.8		8.3		30.3		95.5		7.2		9.0		9		91				<0.2		1.4	
					Bottom	7.0	0.3	84	20.7	20.7	8.3	8.3	30.5	30.5	95.7	95.8	7.2	7.2	10.5		7		92				<0.2		1.4	
						7.0	0.3	89	20.7		8.3		30.5		95.8		7.2		10.3		8		93				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 March 20 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	12:21	7.6	Surface	1.0	0.6	109	21.1	21.1	8.3	8.3	28.2	28.2	94.2	94.3	7.1	7.2	8.9	11.9	13	12	86	90	822085	808831	<0.2	<0.2	1.3	1.3
						1.0	0.7	115	21.0		8.3		28.3		94.3		7.1		9.2		12		87				<0.2		1.3	
					Middle	3.8	0.7	93	20.9	20.9	8.3	8.3	29.3	29.3	95.0	95.1	7.2		12.5		12		90				<0.2		1.4	
						3.8	0.7	96	20.9		8.3		29.3		95.2		7.2		12.6		12		90				<0.2		1.3	
					Bottom	6.6	0.6	84	20.7	20.7	8.3	8.3	30.4	30.4	95.9	96.0	7.2	7.2	14.3		10		92				<0.2		1.3	
						6.6	0.6	86	20.7		8.3		30.4		96.0		7.2		14.1		10		92				<0.2		1.2	
IM10	Fine	Rough	12:27	7.2	Surface	1.0	0.7	118	21.1	21.1	8.3	8.3	27.8	27.8	94.8	94.9	7.2	7.2	7.6	9.3	9	11	87	90	822402	809815	<0.2	<0.2	1.3	1.3
						1.0	0.8	125	21.1		8.3		27.8		94.9		7.2		7.6		9		86				<0.2		1.3	
					Middle	3.6	0.7	104	20.8	20.8	8.3	8.3	30.1	30.1	94.7	94.8	7.1		8.9		11		90				<0.2		1.4	
						3.6	0.7	106	20.8		8.3		30.1		94.8		7.1		8.5		10		90				<0.2		1.3	
					Bottom	6.2	0.7	115	20.8	20.8	8.3	8.3	30.2	30.2	95.2	95.3	7.2	7.2	11.6		12		92				<0.2		1.3	
						6.2	0.7	115	20.8		8.3		30.2		95.4		7.2		11.8		13		93				<0.2		1.3	
IM11	Fine	Rough	12:35	7.9	Surface	1.0	0.7	112	21.2	21.2	8.3	8.3	29.1	29.1	94.8	94.8	7.1	7.1	7.7	8.2	12	12	86	90	822064	811474	<0.2	<0.2	1.2	1.2
						1.0	0.7	113	21.1		8.3		29.1		94.8		7.1		7.7		12		87				<0.2		1.2	
					Middle	4.0	0.6	114	21.0	21.0	8.3	8.3	29.5	29.5	94.8	94.9	7.1		8.1		12		91				<0.2		1.1	
						4.0	0.7	120	21.0		8.3		29.6		94.9		7.1		8.0		11		89				<0.2		1.1	
					Bottom	6.9	0.6	114	20.9	20.9	8.3	8.3	30.5	30.5	95.6	95.8	7.2	7.2	8.8		11		92				<0.2		1.2	
						6.9	0.7	123	20.9		8.3		30.5		96.0		7.2		8.8		11		93				<0.2		1.2	
IM12	Fine	Rough	12:41	9.8	Surface	1.0	0.6	104	21.2	21.2	8.3	8.3	29.3	29.4	95.9	95.9	7.2	7.2	7.7	8.0	12	13	86	90	821460	812063	<0.2	<0.2	1.2	1.1
						1.0	0.6	113	21.1		8.3		29.5		95.9		7.2		7.6		12		87				<0.2		1.1	
					Middle	4.9	0.4	95	20.9	20.9	8.3	8.3	30.6	30.6	94.6	94.6	7.1		7.2		12		92				<0.2		1.0	
						4.9	0.4	101	20.9		8.3		30.6		94.5		7.1		7.4		12		91				<0.2		1.1	
					Bottom	8.8	0.2	93	20.8	20.8	8.3	8.3	30.8	30.8	93.5	93.6	7.0	7.0	9.1		13		93				<0.2		1.2	
						8.8	0.2	96	20.8		8.3		30.8		93.6		7.0		9.1		14		93				<0.2		1.2	
SR1A	Fine	Moderate	12:57	3.8	Surface	1.0	-	-	21.1	21.1	8.3	8.3	30.5	30.5	96.9	96.9	7.2	7.2	8.2	8.3	12	13	-	-	819976	812660	-	-	-	-
						1.0	-	-	21.1		8.3		30.5		96.9		7.2		8.2		12		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	-	-	21.1	21.1	8.3	8.3	30.5	30.5	97.8	98.0	7.3	7.3	8.4		13		-				-		-	
						2.8	-	-	21.1		8.3		30.5		98.2		7.3		8.5		13		-				-		-	
SR2	Fine	Moderate	13:09	3.6	Surface	1.0	0.5	112	21.1	21.1	8.3	8.3	29.9	29.9	97.4	97.4	7.3	7.3	6.2	6.9	9	10	87	90	821463	814148	<0.2	<0.2	1.1	1.1
						1.0	0.5	116	21.1		8.3		30.0		97.3		7.3		6.2		9		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.3	123	20.9	20.9	8.3	8.3	30.7	30.7	97.3	97.4	7.3	7.3	7.5		11		92				<0.2		1.1	
						2.6	0.3	130	20.9		8.3		30.7		97.5		7.3		7.6		10		93				<0.2		1.0	
SR3	Fine	Rough	12:11	8.9	Surface	1.0	0.4	153	20.9	20.9	8.3	8.3	28.0	28.1	92.6	92.7	7.0	7.1	8.1	12.7	12	11	-	-	822151	807593	-	-	-	-
						1.0	0.4	153	20.9		8.3		28.2		92.8		7.0		9.0		12		-				-		-	
					Middle	4.5	0.3	148	20.8	20.8	8.3	8.3	29.3	29.3	94.2	94.4	7.1		13.9		11		-				-		-	
						4.5	0.3	161	20.8		8.3		29.3		94.6		7.1		14.0		11		-				-		-	
					Bottom	7.9	0.3	101	20.9	20.9	8.3	8.3	30.4	30.3	95.5	95.5	7.1	7.1	15.9		10		-				-		-	
						7.9	0.3	102	20.9		8.3		30.3		95.4		7.1		15.5		10		-				-		-	
SR4A	Cloudy	Moderate	13:34	8.8	Surface	1.0	0.1	41	21.2	21.2	8.3	8.3	30.2	30.2	103.6	103.6	7.7	7.6	7.0	8.3	10	12	-	-	817187	807793	-	-	-	-
						1.0	0.1	43	21.2		8.3		30.2		103.6		7.7		7.0		10		-				-		-	
					Middle	4.4	0.1	83	21.0	21.0	8.3	8.3	30.4	30.4	100.6	100.6	7.5		8.7		10		-				-		-	
						4.4	0.1	84	21.0		8.3		30.4		100.6		7.5		8.7		11		-				-		-	
					Bottom	7.8	0.1	115	20.9	20.9	8.2	8.2	30.6	30.6	100.0	100.0	7.5	7.5	9.2		14		-				-		-	
						7.8	0.1	125	20.9		8.2		30.6		100.0		7.5		9.2		14		-				-		-	
SR5A	Cloudy	Moderate	13:53	3.5	Surface	1.0	0.0	99	21.3	21.3	8.3	8.3	31.0	31.0	101.7	101.5	7.5	7.5	9.4	8.3	15	14	-	-	816611	810698	-	-	-	-
						1.0	0.0	106	21.3		8.3		31.0		101.3		7.5		9.4		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.0	4	21.5	21.5	8.3	8.3	31.3	31.3	100.4	100.4	7.4	7.4	7.2		12		-				-		-	
						2.5	0.0	4	21.5		8.3		31.3		100.4		7.4		7.2		12		-				-		-	
SR6A	Cloudy	Moderate	14:29	3.6	Surface	1.0	0.1	129	21.5	21.5	8.3	8.3	30.9	30.9	103.0	103.0	7.6	7.6	5.1	5.5	9	10	-	-	817950	814745	-	-	-	-
						1.0	0.1	137	21.5		8.3		30.9		103.0		7.6		5.1		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	113	21.6	21.6	8.2	8.2	31.2	31.2	101.3	101.3	7.4	7.4	5.9		11		-				-		-	
						2.6	0.1	121	21.6		8.2		31.2		101.3		7.4		5.9		11		-				-		-	
SR7	Fine	Moderate	13:53	16.2	Surface	1.0	0.5	66	20.4	20.4	8.3	8.3	32.0	32.0	91.0	91.0	6.8	6.8	3.8	4.2	5	6	-	-	823621	823760	-	-	-	-
						1.0	0.5	69	20.4		8.3		32.0		91.0		6.8		3.9		5		-				-		-	
					Middle	8.1	0.4	52	20.4	20.4	8.3	8.3	32.0	32.0	91.2	91.2	6.8		4.1		5		-				-		-	
						8.1	0.4	55	20.4		8.3		32.0		91.2		6.8		4.2		6		-				-		-	
					Bottom	15.2	0.3	36	20.4	20.4	8.3	8.3	32.1	32.1	92.4	92.6	6.9	6.9	4.8		6		-				-		-	
						15.2	0.3	38	20.4		8.3		32.1		92.7		6.9		4.7		7		-				-		-	
SR8	Fine	Moderate	12:49	5.0	Surface	1.0	-	-	21.1	21.1	8.3	8.3	30.1	30.2	96.7	96.6	7.2	7.2	10.0	12.8	18	19	-	-	820403	811613	-	-	-	-
						1.0	-	-	21.1		8.3		30.2		96.5		7.2		10.1		18		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	20.9	20.9	8.3	8.3	30.3	30.3	96.8	97.0	7.2	7.3	15.4		19		-				-		-	
						4.0	-	-	20.9		8.3		30.4		97.2		7.3		15.9		19		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 March 20 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	Rough	08:21	8.0	Surface	1.0	0.5	46	20.8	20.8	8.1	8.1	30.0	30.0	98.2	98.2	7.4	7.4	21.2	26.0	25	25	85	87	815599	804229	<0.2	<0.2	1.1	1.1
						1.0	0.6	50	20.8		8.1		30.0		98.2		7.4		21.2		24		86				<0.2		1.1	
					Middle	4.0	0.5	41	20.8	20.8	8.2	8.2	30.1	30.1	98.6	98.6	7.4		21.8		25		87				<0.2		1.1	
						4.0	0.5	45	20.8		8.2		30.1		98.6		7.4		21.8		25		87				<0.2		1.2	
					Bottom	7.0	0.5	22	20.8	20.8	8.2	8.2	30.5	30.5	98.2	98.2	7.4	7.4	35.0		26		90				<0.2		1.1	
						7.0	0.5	22	20.8		8.2		30.5		98.2		7.4		35.0		26		89				<0.2		1.1	
C2	Fine	Rough	08:31	11.7	Surface	1.0	0.5	347	21.0	21.0	8.2	8.2	26.9	26.9	89.3	89.3	6.8	6.8	9.2	11.5	11	11	83	88	825676	806939	<0.2	<0.2	1.0	1.0
						1.0	0.6	319	21.0		8.2		26.9		89.2		6.8		9.2		12		84				<0.2		0.9	
					Middle	5.9	0.5	356	21.0	21.0	8.2	8.2	27.1	27.1	88.4	88.4	6.7		11.3		11		87				<0.2		1.0	
						5.9	0.5	328	20.9		8.2		27.1		88.4		6.7		11.1		11		88				<0.2		1.0	
					Bottom	10.7	0.4	343	20.9	20.9	8.2	8.2	27.8	27.8	89.1	89.2	6.8	6.8	14.0		11		91				<0.2		1.0	
						10.7	0.4	346	20.9		8.2		27.8		89.2		6.8		14.1		11		92				<0.2		1.0	
C3	Fine	Moderate	06:44	11.5	Surface	1.0	0.2	265	20.9	20.9	8.3	8.3	30.1	30.2	95.3	95.3	7.1	7.1	6.6	8.6	9	9	82	88	822112	817800	<0.2	<0.2	1.7	1.7
						1.0	0.2	287	20.8		8.3		30.2		95.3		7.1		7.0		9		84				<0.2		1.7	
					Middle	5.8	0.1	299	20.7	20.7	8.3	8.3	31.0	31.0	94.8	94.8	7.1		8.9		9		89				<0.2		1.6	
						5.8	0.1	304	20.7		8.3		31.0		94.8		7.1		8.7		9		90				<0.2		1.7	
					Bottom	10.5	0.2	321	20.7	20.7	8.3	8.3	31.0	31.0	96.6	96.9	7.2	7.3	10.5		8		91				<0.2		1.6	
						10.5	0.2	335	20.7		8.3		31.0		97.2		7.3		10.0		9		92				<0.2		1.6	
IM1	Cloudy	Rough	08:42	4.4	Surface	1.0	0.2	352	20.6	20.6	8.2	8.2	31.9	31.9	98.3	98.3	7.3	7.3	14.4	12.9	24	26	86	88	817928	807125	<0.2	<0.2	1.2	1.2
						1.0	0.2	324	20.6		8.2		31.9		98.3		7.3		14.4		24		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	8	20.5	20.5	8.2	8.2	32.0	32.0	97.4	97.4	7.3	7.3	11.4		27		89				<0.2		1.1	
						3.4	0.2	8	20.5		8.2		32.0		97.4		7.3		11.4		27		90				<0.2		1.3	
IM2	Cloudy	Rough	08:53	6.8	Surface	1.0	0.4	17	20.8	20.8	8.2	8.2	30.4	30.4	97.2	97.2	7.3	7.3	18.5	22.3	37	31	85	88	818173	806183	<0.2	<0.2	1.3	1.2
						1.0	0.5	17	20.8		8.2		30.4		97.2		7.3		18.5		36		85				<0.2		1.2	
					Middle	3.4	0.3	1	20.7	20.7	8.2	8.2	30.9	30.9	97.7	97.7	7.3		23.9		29		87				<0.2		1.3	
						3.4	0.4	1	20.7		8.2		30.9		97.7		7.3		23.9		29		88				<0.2		1.2	
					Bottom	5.8	0.2	340	20.7	20.7	8.2	8.2	31.1	31.1	97.0	97.0	7.2	7.2	24.5		28		90				<0.2		1.2	
						5.8	0.2	357	20.7		8.2		31.1		97.0		7.2		24.5		27		91				<0.2		1.1	
IM3	Cloudy	Rough	09:02	6.8	Surface	1.0	0.5	4	20.8	20.8	8.2	8.2	30.2	30.2	97.3	97.3	7.3	7.3	15.6	17.2	28	27	86	88	818787	805588	<0.2	<0.2	1.0	1.2
						1.0	0.5	4	20.8		8.2		30.2		97.3		7.3		15.6		28		85				<0.2		1.0	
					Middle	3.4	0.4	348	20.8	20.8	8.2	8.2	30.6	30.6	96.8	96.8	7.2		17.6		27		87				<0.2		1.2	
						3.4	0.5	358	20.8		8.2		30.6		96.8		7.2		17.6		27		88				<0.2		1.4	
					Bottom	5.8	0.3	331	20.8	20.8	8.2	8.2	30.9	30.9	97.4	97.4	7.3	7.3	18.3		26		90				<0.2		1.2	
						5.8	0.4	332	20.8		8.2		30.9		97.4		7.3		18.3		26		89				<0.2		1.3	
IM4	Cloudy	Rough	09:15	7.4	Surface	1.0	0.7	351	20.8	20.8	8.2	8.2	30.2	30.2	96.2	96.2	7.2	7.2	20.1	21.1	26	25	85	87	819739	804619	<0.2	<0.2	1.1	1.1
						1.0	0.8	323	20.8		8.2		30.2		96.2		7.2		20.1		27		86				<0.2		1.2	
					Middle	3.7	0.7	347	20.8	20.8	8.2	8.2	30.2	30.2	96.0	96.0	7.2		19.6		25		87				<0.2		1.1	
						3.7	0.7	319	20.8		8.2		30.2		96.0		7.2		19.6		24		87				<0.2		1.1	
					Bottom	6.4	0.5	348	20.8	20.8	8.2	8.2	30.2	30.2	95.9	95.9	7.2	7.2	23.7		23		90				<0.2		1.1	
						6.4	0.5	320	20.8		8.2		30.2		95.9		7.2		23.7		22		89				<0.2		1.1	
IM5	Cloudy	Rough	09:22	7.7	Surface	1.0	0.7	15	20.8	20.8	8.2	8.2	30.3	30.3	96.6	96.6	7.2	7.2	22.2	20.5	42	**40**	85	87	820751	804843	<0.2	<0.2	1.0	1.1
						1.0	0.7	16	20.8		8.2		30.3		96.6		7.2		22.2		44		85				<0.2		1.0	
					Middle	3.9	0.9	16	20.8	20.8	8.2	8.2	30.8	30.8	96.1	96.1	7.2		18.5		41		87				<0.2		1.1	
						3.9	1.0	17	20.8		8.2		30.8		96.1		7.2		18.5		39		86				<0.2		1.1	
					Bottom	6.7	0.4	31	20.8	20.8	8.2	8.2	30.8	30.8	96.0	96.0	7.2	7.2	20.8		37		89				<0.2		1.0	
						6.7	0.4	31	20.8		8.2		30.8		96.0		7.2		20.8		38		90				<0.2		1.1	
IM6	Cloudy	Rough	09:30	7.0	Surface	1.0	0.2	334	20.9	20.9	8.1	8.1	27.9	27.9	94.4	94.4	7.2	7.2	7.6	9.8	18	20	85	87	821059	805826	<0.2	<0.2	1.2	1.3
						1.0	0.2	340	20.9		8.1		27.9		94.4		7.2		7.6		19		86				<0.2		1.0	
					Middle	3.5	0.3	41	20.8	20.8	8.2	8.2	30.0	30.0	95.8	95.8	7.2		9.8		19		87				<0.2		1.3	
						3.5	0.3	44	20.8		8.2		29.9		95.8		7.2		9.8		20		86				<0.2		1.4	
					Bottom	6.0	0.3	57	20.7	20.7	8.2	8.2	30.4	30.4	96.9	96.9	7.3	7.3	12.1		21		90				<0.2		1.5	
						6.0	0.3	62	20.7		8.2		30.4		96.9		7.3		12.1		22		90				<0.2		1.4	
IM7	Cloudy	Rough	09:43	7.8	Surface	1.0	0.0	199	20.9	20.9	8.1	8.1	27.2	27.2	94.7	94.7	7.2	7.3	8.7	11.2	12	13	85	87	821349	806816	<0.2	<0.2	2.9	2.7
						1.0	0.0	212	20.9		8.1		27.2		94.7		7.2		8.7		12		85				<0.2		3.0	
					Middle	3.9	0.2	95	20.7	20.7	8.2	8.2	29.9	29.9	96.9	96.9	7.3		11.8		13		87				<0.2		2.0	
						3.9	0.3	98	20.7		8.2		29.9		96.9		7.3		11.8		12		88				<0.2		2.0	
					Bottom	6.8	0.0	175	20.7	20.7	8.2	8.2	31.4	31.4	96.8	96.8	7.2	7.2	13.1		14		89				<0.2		3.1	
						6.8	0.0	182	20.7		8.2		31.4		96.8		7.2		13.1		15		90				<0.2		2.9	
IM8	Fine	Rough	08:02	7.3	Surface	1.0	0.1	89	20.9	20.9	8.2	8.2	26.9	26.9	89.9	90.0	6.9	6.9	9.4	13.1	13	14	84	88	821844	808141	<0.2	<0.2	1.5	1.6
						1.0	0.1	96	20.9		8.2		26.9		90.0		6.9		9.5		13		84				<0.2		1.6	
					Middle	3.7	0.1	39	20.9	20.9	8.2	8.2	27.2	27.3	90.2	90.2	6.9		14.3		14		88				<0.2		1.6	
						3.7	0.1	40	20.9		8.2		27.3		90.2		6.9		14.4		14		88				<0.2		1.5	
					Bottom	6.3	0.1	43	20.9	20.9	8.2	8.2	27.3	27.3	90.8	90.9	6.9	6.9	15.4		15		92				<0.2		1.7	
						6.3	0.2	45	20.9		8.2		27.3		90.9		6.9		15.6		16		91				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 March 20 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	07:56	7.2	Surface	1.0	0.4	272	20.9	20.9	8.3	8.3	28.4	28.4	91.8	91.8	7.0	7.0	8.5	10.5	14	13	84	88	822101	808802	<0.2	<0.2	1.5	1.6
						1.0	0.4	293	20.9		8.3		28.4		91.8		7.0		8.3		14		85				<0.2		1.6	
					Middle	3.6	0.3	273	20.9	20.9	8.3	8.3	28.4	28.4	92.2	92.3	7.0		10.8		14		88				<0.2		1.5	
						3.6	0.3	284	20.9		8.3		28.4		92.3		7.0		10.1		13		89				<0.2		1.6	
					Bottom	6.2	0.1	295	20.9	20.9	8.3	8.3	28.4	28.4	94.1	94.4	7.1	7.2	12.7		11		92				<0.2		1.5	
						6.2	0.1	314	20.9		8.3		28.4		94.6		7.2		12.7		11		92				<0.2		1.6	
IM10	Fine	Rough	07:48	8.4	Surface	1.0	0.1	22	20.9	20.9	8.3	8.3	29.2	29.2	93.2	93.2	7.0	7.0	9.7	11.8	14	13	84	88	822403	809786	<0.2	<0.2	1.5	1.5
						1.0	0.1	22	20.9		8.3		29.2		93.2		7.0		9.5		14		84				<0.2		1.5	
					Middle	4.2	0.0	282	20.9	20.9	8.3	8.3	29.3	29.3	93.4	93.5	7.0		11.7		13		87				<0.2		1.5	
						4.2	0.0	289	20.9		8.3		29.3		93.5		7.0		12.1		13		88				<0.2		1.5	
					Bottom	7.4	0.1	286	20.9	20.9	8.3	8.3	29.3	29.3	94.1	94.3	7.1	7.1	14.0		13		91				<0.2		1.6	
						7.4	0.1	300	20.9		8.3		29.3		94.4		7.1		13.7		13		91				<0.2		1.5	
IM11	Fine	Rough	07:39	7.6	Surface	1.0	0.1	214	20.9	20.9	8.3	8.3	29.3	29.4	94.4	94.5	7.1	7.1	8.3	10.0	12	14	83	87	822053	811470	<0.2	<0.2	1.3	1.2
						1.0	0.1	233	20.9		8.3		29.4		94.6		7.1		8.5		12		83				<0.2		1.2	
					Middle	3.8	0.1	111	20.9	20.9	8.3	8.3	30.1	30.1	95.1	95.2	7.1		10.0		15		87				<0.2		1.2	
						3.8	0.1	121	20.9		8.3		30.1		95.2		7.1		9.8		15		87				<0.2		1.2	
					Bottom	6.6	0.0	76	20.9	20.9	8.3	8.3	30.4	30.4	95.6	95.7	7.1	7.2	11.9		16		92				<0.2		1.3	
						6.6	0.0	81	20.9		8.3		30.4		95.7		7.2		11.4		16		92				<0.2		1.2	
IM12	Fine	Moderate	07:32	8.5	Surface	1.0	0.1	161	20.9	20.9	8.3	8.3	29.8	29.9	95.2	95.3	7.1	7.1	8.1	10.1	11	12	85	88	821436	812043	<0.2	<0.2	1.3	1.3
						1.0	0.1	161	20.9		8.3		30.0		95.3		7.1		8.3		11		86				<0.2		1.3	
					Middle	4.3	0.1	237	20.9	20.9	8.3	8.3	30.7	30.7	95.6	95.6	7.1		9.1		12		88				<0.2		1.2	
						4.3	0.1	239	20.9		8.3		30.7		95.6		7.1		9.1		12		89				<0.2		1.3	
					Bottom	7.5	0.0	328	20.9	20.9	8.3	8.3	30.8	30.8	96.1	96.2	7.2	7.2	12.9		13		89				<0.2		1.2	
						7.5	0.0	344	20.9		8.3		30.8		96.3		7.2		12.9		14		90				<0.2		1.2	
SR1A	Fine	Calm	07:13	5.1	Surface	1.0	-	-	20.9	20.9	8.3	8.3	29.5	29.7	94.4	94.7	7.1	7.1	8.0	6.7	11	13	-	-	819983	812663	-	-	-	-
						1.0	-	-	20.9		8.3		30.0		94.9		7.1		7.2		12		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	20.9	20.9	8.3	8.3	30.8	30.8	96.7	96.8	7.2	7.2	5.9		14		-				-		-	
						4.1	-	-	20.9		8.3		30.8		96.9		7.2		5.7		13		-				-		-	
SR2	Fine	Calm	07:02	4.8	Surface	1.0	0.2	340	20.9	20.9	8.3	8.3	30.2	30.2	95.4	95.4	7.1	7.1	11.7	11.9	17	17	85	88	821450	814176	<0.2	<0.2	1.0	1.0
						1.0	0.2	350	20.9		8.3		30.2		95.4		7.1		11.7		16		85				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	348	20.9	20.9	8.3	8.3	30.3	30.3	95.9	96.0	7.2	7.2	12.3		18		91				<0.2		1.0	
						3.8	0.1	320	20.9		8.3		30.3		96.0		7.2		11.9		18		91				<0.2		1.0	
SR3	Fine	Rough	08:10	8.5	Surface	1.0	0.1	167	20.9	20.9	8.2	8.2	26.8	26.8	89.4	89.4	6.8	6.9	12.7	14.2	17	15	-	-	822150	807588	-	-	-	-
						1.0	0.1	170	20.9		8.2		26.8		89.4		6.8		12.9		17		-				-		-	
					Middle	4.3	0.1	109	20.9	20.9	8.2	8.2	26.8	26.8	89.9	90.0	6.9		13.1		15		-				-		-	
						4.3	0.1	112	20.9		8.2		26.8		90.0		6.9		13.2		15		-				-		-	
					Bottom	7.5	0.2	48	20.9	20.9	8.2	8.2	27.5	27.5	91.9	92.1	7.0	7.0	16.7		14		-				-		-	
						7.5	0.2	49	20.9		8.2		27.5		92.3		7.0		16.6		14		-				-		-	
SR4A	Cloudy	Rough	07:55	8.7	Surface	1.0	0.2	74	21.0	21.0	7.9	7.9	31.6	31.6	94.7	94.7	7.0	7.1	9.7	10.3	14	12	-	-	817208	807830	-	-	-	-
						1.0	0.2	75	21.0		7.9		31.6		94.7		7.0		9.7		13		-				-		-	
					Middle	4.4	0.2	74	21.0	21.0	7.9	7.9	31.6	31.6	95.2	95.2	7.1		10.4		12		-				-		-	
						4.4	0.2	80	21.0		7.9		31.6		95.2		7.1		10.4		12		-				-		-	
					Bottom	7.7	0.2	73	21.0	21.0	7.9	7.9	31.6	31.6	95.2	95.2	7.1	7.1	10.7		12		-				-		-	
						7.7	0.2	73	21.0		7.9		31.6		95.2		7.1		10.7		11		-				-		-	
SR5A	Cloudy	Moderate	07:35	3.3	Surface	1.0	0.1	263	21.0	21.0	7.9	7.9	31.5	31.5	96.3	96.3	7.1	7.1	7.6	8.8	14	13	-	-	816572	810701	-	-	-	-
						1.0	0.1	281	21.0		7.9		31.5		96.3		7.1		7.6		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.1	268	21.0	21.0	7.8	7.8	31.5	31.5	97.6	97.6	7.2	7.2	9.9		13		-				-		-	
						2.3	0.1	272	21.0		7.8		31.5		97.6		7.2		9.9		13		-				-		-	
SR6A	Cloudy	Moderate	07:07	3.6	Surface	1.0	0.1	225	20.8	20.8	7.9	7.9	31.4	31.4	93.0	93.0	6.9	6.9	7.1	7.4	8	10	-	-	817943	814718	-	-	-	-
						1.0	0.1	236	20.8		7.9		31.4		93.0		6.9		7.1		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.0	243	20.8	20.8	7.8	7.8	31.5	31.5	93.1	93.1	6.9	6.9	7.7		11		-				-		-	
						2.6	0.0	264	20.8		7.8		31.5		93.1		6.9		7.7		11		-				-		-	
SR7	Fine	Calm	06:18	16.0	Surface	1.0	0.1	175	20.8	20.8	8.2	8.2	30.6	30.6	94.8	94.8	7.1	7.1	5.8	6.7	8	9	-	-	823631	823753	-	-	-	-
						1.0	0.1	188	20.8		8.2		30.6		94.8		7.1		5.7		7		-				-		-	
					Middle	8.0	0.1	131	20.7	20.7	8.1	8.1	30.7	30.7	94.4	94.4	7.1		6.1		9		-				-		-	
						8.0	0.1	137	20.7		8.1		30.7		94.4		7.1		6.1		8		-				-		-	
					Bottom	15.0	0.1	200	20.5	20.5	8.1	8.1	31.5	31.5	91.8	91.8	6.9	6.9	8.3		9		-				-		-	
						15.0	0.1	204	20.5		8.1		31.5		91.8		6.9		8.1		10		-				-		-	
SR8	Fine	Calm	07:24	5.1	Surface	1.0	-	-	20.9	21.0	8.3	8.3	28.5	28.5	91.5	91.6	6.9	6.9	12.1	13.4	19	19	-	-	820375	811599	-	-	-	-
						1.0	-	-	21.0		8.3		28.6		91.6		6.9		12.2		20		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	21.3	21.3	8.4	8.4	29.7	29.6	94.3	94.6	7.0	7.1	14.5		19		-				-		-	
						4.1	-	-	21.2		8.4		29.6		94.9		7.1		14.9		19		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 March 20 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	Rough	14:29	8.6	Surface	1.0	0.6	235	20.7	20.7	8.3	8.3	32.7	32.7	107.7	107.7	8.0	8.0	4.0	5.5	8	9	85	87	815608	804227	<0.2	<0.2	0.8	0.8
						1.0	0.6	236	20.7		8.3		32.7		107.7		8.0		4.0		8		85				<0.2		0.7	
					Middle	4.3	0.5	220	20.4	20.4	8.3	8.3	33.3	33.3	106.5	106.5	7.9		4.8		8		88				<0.2		0.7	
						4.3	0.5	233	20.4		8.3		33.3		106.4		7.9		4.8		9		88				<0.2		0.7	
					Bottom	7.6	0.4	215	19.8	19.8	8.3	8.3	33.8	33.8	100.0	100.0	7.5	7.5	7.8		9		89				<0.2		0.8	
						7.6	0.5	233	19.8		8.3		33.8		100.0		7.5		7.8		9		89				<0.2		0.8	
C2	Cloudy	Moderate	13:14	11.7	Surface	1.0	0.3	219	20.6	20.6	8.2	8.2	29.8	29.8	97.2	97.2	7.3	7.2	9.8	14.3	13	14	84	87	825658	806962	<0.2	<0.2	1.3	1.3
						1.0	0.3	226	20.6		8.2		29.8		97.2		7.3		9.9		14		85				<0.2		1.3	
					Middle	5.9	0.3	168	20.4	20.4	8.3	8.3	30.4	30.4	94.5	94.5	7.1		14.8		15		86				<0.2		1.2	
						5.9	0.3	171	20.4		8.3		30.4		94.5		7.1		14.4		14		87				<0.2		1.3	
					Bottom	10.7	0.3	125	20.3	20.3	8.3	8.3	30.7	30.7	96.7	96.7	7.3	7.3	18.6		14		90				<0.2		1.2	
						10.7	0.4	136	20.3		8.3		30.7		96.6		7.3		18.1		15		90				<0.2		1.3	
C3	Cloudy	Moderate	15:10	13.0	Surface	1.0	0.5	16	20.3	20.3	8.4	8.4	31.1	31.1	93.9	93.9	7.1	7.0	8.9	11.7	11	13	87	89	822105	817818	<0.2	<0.2	1.1	1.1
						1.0	0.5	16	20.3		8.4		31.1		93.8		7.1		9.2		11		87				<0.2		1.1	
					Middle	6.5	0.5	48	20.3	20.3	8.4	8.4	31.6	31.6	92.0	92.1	6.9		12.3		13		89				<0.2		1.1	
						6.5	0.5	50	20.3		8.4		31.6		92.1		6.9		12.3		13		89				<0.2		1.1	
					Bottom	12.0	0.5	52	20.2	20.2	8.4	8.4	31.9	31.9	92.7	92.8	7.0	7.0	13.8		15		90				<0.2		1.1	
						12.0	0.5	54	20.2		8.4		31.9		92.8		7.0		13.8		14		90				<0.2		1.1	
IM1	Cloudy	Rough	14:11	5.2	Surface	1.0	0.3	198	20.6	20.6	8.3	8.3	32.0	32.0	104.6	104.6	7.8	7.8	4.8	5.7	10	10	86	87	817948	807131	<0.2	<0.2	0.7	0.7
						1.0	0.3	217	20.6		8.3		32.0		104.5		7.8		4.7		10		85				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	183	19.9	19.9	8.3	8.3	33.0	33.0	99.6	99.7	7.5	7.5	6.7		11		88				<0.2		0.7	
						4.2	0.2	197	19.9		8.3		33.0		99.7		7.5		6.7		10		88				<0.2		0.6	
IM2	Cloudy	Rough	14:02	7.1	Surface	1.0	0.4	191	20.3	20.3	8.3	8.3	32.4	32.4	102.9	102.8	7.7	7.7	5.7	6.3	12	12	85	88	818162	806148	<0.2	<0.2	0.7	0.6
						1.0	0.4	197	20.3		8.3		32.4		102.6		7.7		5.7		11		84				<0.2		0.6	
					Middle	3.6	0.3	174	20.3	20.3	8.3	8.3	32.5	32.5	102.7	102.7	7.7		6.1		12		89				<0.2		0.6	
						3.6	0.3	188	20.3		8.3		32.5		102.6		7.7		6.1		11		88				<0.2		0.7	
					Bottom	6.1	0.2	153	20.2	20.2	8.3	8.3	33.1	33.1	102.2	102.3	7.6	7.6	7.0		13		89				<0.2		0.6	
						6.1	0.2	160	20.2		8.3		33.1		102.3		7.6		7.0		12		90				<0.2		0.6	
IM3	Cloudy	Rough	13:55	7.4	Surface	1.0	0.1	149	20.6	20.6	8.3	8.3	32.4	32.4	107.9	107.9	8.0	8.0	3.9	3.9	11	10	85	87	818794	805611	<0.2	<0.2	0.8	0.7
						1.0	0.1	160	20.6		8.3		32.4		107.9		8.0		3.9		10		84				<0.2		0.7	
					Middle	3.7	0.2	126	20.6	20.6	8.3	8.3	32.4	32.4	107.0	107.1	8.0		3.9		10		88				<0.2		0.6	
						3.7	0.2	130	20.6		8.3		32.4		107.2		8.0		3.9		10		88				<0.2		0.8	
					Bottom	6.4	0.2	117	20.2	20.2	8.3	8.3	32.7	32.7	103.1	103.1	7.7	7.7	3.9		9		90				<0.2		0.6	
						6.4	0.2	125	20.2		8.3		32.7		103.1		7.7		3.8		10		89				<0.2		0.6	
IM4	Cloudy	Rough	13:44	8.3	Surface	1.0	0.4	183	20.3	20.3	8.3	8.3	31.7	31.7	103.8	103.7	7.8	7.7	5.1	7.2	9	10	85	88	819725	804599	<0.2	<0.2	0.8	0.8
						1.0	0.5	192	20.3		8.3		31.7		103.5		7.8		5.1		9		85				<0.2		0.8	
					Middle	4.2	0.3	172	19.9	19.9	8.3	8.3	32.5	32.5	101.2	101.2	7.6		6.0		10		89				<0.2		0.9	
						4.2	0.3	187	19.9		8.3		32.5		101.1		7.6		6.1		11		88				<0.2		0.9	
					Bottom	7.3	0.3	184	20.0	20.0	8.3	8.3	33.2	33.2	100.7	100.7	7.5	7.5	10.4		11		89				<0.2		0.8	
						7.3	0.3	202	20.0		8.3		33.2		100.7		7.5		10.4		12		90				<0.2		0.8	
IM5	Cloudy	Rough	13:35	7.7	Surface	1.0	0.2	243	20.5	20.5	8.2	8.2	30.7	30.7	101.3	101.4	7.6	7.7	5.0	5.9	10	12	85	88	820748	804851	<0.2	<0.2	1.0	1.0
						1.0	0.2	259	20.5		8.2		30.7		101.4		7.6		5.0		11		85				<0.2		1.0	
					Middle	3.9	0.1	168	20.3	20.3	8.3	8.3	32.0	32.0	102.9	103.0	7.7		6.0		12		89				<0.2		1.0	
						3.9	0.1	182	20.3		8.3		32.0		103.0		7.7		6.0		12		88				<0.2		0.9	
					Bottom	6.7	0.1	121	20.1	20.1	8.3	8.3	32.6	32.6	101.6	101.6	7.6	7.6	6.7		13		90				<0.2		0.9	
						6.7	0.1	125	20.1		8.3		32.6		101.6		7.6		6.6		13		90				<0.2		0.9	
IM6	Cloudy	Rough	13:26	7.5	Surface	1.0	0.2	241	20.4	20.4	8.2	8.2	30.4	30.4	98.0	98.0	7.4	7.4	5.9	8.2	11	12	85	88	821068	805805	<0.2	<0.2	1.0	1.0
						1.0	0.2	261	20.4		8.2		30.4		98.0		7.4		6.0		12		85				<0.2		1.0	
					Middle	3.8	0.1	244	20.3	20.3	8.2	8.2	31.1	31.1	98.5	98.5	7.4		8.6		11		89				<0.2		1.0	
						3.8	0.1	266	20.3		8.2		31.1		98.4		7.4		8.6		12		88				<0.2		1.0	
					Bottom	6.5	0.1	103	20.1	20.1	8.3	8.3	32.5	32.5	98.9	98.9	7.4	7.4	10.1		11		90				<0.2		1.0	
						6.5	0.1	107	20.1		8.3		32.5		98.8		7.4		9.9		12		90				<0.2		1.1	
IM7	Cloudy	Rough	13:14	8.8	Surface	1.0	0.3	264	20.4	20.4	8.1	8.1	30.4	30.4	97.9	97.9	7.4	7.4	6.3	8.0	12	13	86	88	821342	806831	<0.2	<0.2	1.1	1.0
						1.0	0.3	281	20.4		8.1		30.4		97.9		7.4		6.3		12		85				<0.2		1.0	
					Middle	4.4	0.1	174	20.2	20.2	8.1	8.1	31.4	31.4	96.8	96.9	7.3		8.8		13		89				<0.2		1.0	
						4.4	0.1	189	20.2		8.1		31.4		96.9		7.3		8.9		12		90				<0.2		1.0	
					Bottom	7.8	0.1	164	20.0	20.0	8.1	8.1	31.9	31.9	96.8	96.9	7.3	7.3	8.7		14		90				<0.2		1.0	
						7.8	0.1	176	20.0		8.1		31.9		96.9		7.3		8.7		13		90				<0.2		1.1	
IM8	Cloudy	Moderate	13:47	8.3	Surface	1.0	0.5	23	20.6	20.6	8.3	8.3	29.5	29.5	97.7	97.7	7.4	7.4	6.5	11.4	11	10	85	88	821845	808146	<0.2	<0.2	1.2	1.2
						1.0	0.5	25	20.6		8.3		29.5		97.7		7.4		6.8		10		85				<0.2		1.2	
					Middle	4.2	0.4	15	20.3	20.3	8.3	8.3	30.5	30.5	96.0	96.0	7.3		13.2		9		88				<0.2		1.2	
						4.2	0.4	15	20.3		8.3		30.5		96.0		7.3		13.5		10		88				<0.2		1.2	
					Bottom	7.3	0.3	49	20.2	20.2	8.2	8.2	31.3	31.2	97.7	97.8	7.4	7.4	14.2		9		89				<0.2		1.2	
						7.3	0.3	50	20.2		8.2		31.2		97.8		7.4		14.0		10		90				<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 12 March 20 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	13:56	7.8	Surface	1.0	0.4	60	20.4	20.4	8.4	8.4	30.1	30.1	96.1	96.1	7.3	7.2	6.8	10.7	8	10	86	88	822104	808789	<0.2	<0.2	1.3	1.2
						1.0	0.5	60	20.4		8.4		30.1		96.1		7.3		6.9		8		86				<0.2		1.2	
					Middle	3.9	0.4	51	20.3	20.3	8.4	8.4	30.5	30.5	94.4	94.4	7.1		11.2		11		89				<0.2		1.2	
						3.9	0.5	51	20.3		8.4		30.5		94.3		7.1		11.6		11		89				<0.2		1.2	
					Bottom	6.8	0.4	17	20.2	20.2	8.3	8.3	31.1	31.1	97.7	97.7	7.4	7.4	13.6		11		90				<0.2		1.2	
						6.8	0.4	18	20.2		8.3		31.1		97.7		7.4		13.8		11		90				<0.2		1.2	
IM10	Cloudy	Moderate	14:04	7.5	Surface	1.0	0.7	153	20.5	20.5	8.4	8.4	29.7	29.7	97.0	97.0	7.3	7.3	6.6	11.2	11	9	87	89	822366	809788	<0.2	<0.2	1.2	1.2
						1.0	0.7	155	20.6		8.4		29.7		96.9		7.3		7.0		11		87				<0.2		1.2	
					Middle	3.8	0.7	146	20.3	20.3	8.4	8.4	30.6	30.6	95.1	95.1	7.2		12.5		9		89				<0.2		1.2	
						3.8	0.7	147	20.3		8.4		30.6		95.1		7.2		12.3		8		89				<0.2		1.2	
					Bottom	6.5	0.6	143	20.3	20.3	8.4	8.4	30.8	30.8	95.4	95.4	7.2	7.2	14.6		8		90				<0.2		1.2	
						6.5	0.6	151	20.3		8.4		30.8		95.4		7.2		14.4		8		90				<0.2		1.3	
IM11	Cloudy	Moderate	14:15	8.6	Surface	1.0	0.7	154	20.4	20.4	8.4	8.4	30.1	30.1	97.1	97.0	7.3	7.3	11.7	14.0	15	14	87	89	822073	811438	<0.2	<0.2	1.3	1.4
						1.0	0.7	155	20.4		8.4		30.1		96.9		7.3		11.8		14		87				<0.2		1.3	
					Middle	4.3	0.6	145	20.3	20.3	8.4	8.4	30.4	30.4	96.3	96.4	7.3		14.5		12		88				<0.2		1.5	
						4.3	0.7	151	20.3		8.4		30.4		96.4		7.3		14.4		14		89				<0.2		1.4	
					Bottom	7.6	0.5	160	20.3	20.3	8.4	8.4	30.6	30.6	96.8	96.9	7.3	7.3	15.9		12		90				<0.2		1.3	
						7.6	0.5	166	20.3		8.4		30.6		96.9		7.3		15.8		14		90				<0.2		1.3	
IM12	Cloudy	Moderate	14:21	9.9	Surface	1.0	0.7	148	20.4	20.4	8.4	8.4	30.1	30.1	96.2	96.2	7.3	7.2	8.4	11.1	13	14	87	89	821466	812047	<0.2	<0.2	1.3	1.3
						1.0	0.7	148	20.4		8.4		30.1		96.1		7.3		8.6		13		88				<0.2		1.3	
					Middle	5.0	0.6	143	20.3	20.3	8.4	8.4	30.5	30.5	94.4	94.7	7.1		11.4		14		89				<0.2		1.3	
						5.0	0.6	143	20.3		8.4		30.5		94.9		7.2		12.0		14		89				<0.2		1.3	
					Bottom	8.9	0.3	137	20.3	20.3	8.4	8.4	30.6	30.6	96.5	96.5	7.3	7.3	13.2		14		90				<0.2		1.3	
						8.9	0.3	149	20.3		8.4		30.6		96.5		7.3		13.1		14		90				<0.2		1.3	
SR1A	Cloudy	Calm	14:36	4.9	Surface	1.0	-	-	20.5	20.5	8.4	8.4	30.7	30.7	95.9	95.8	7.2	7.2	5.8	6.1	10	9	-	-	819974	812666	-	-	-	-
						1.0	-	-	20.5		8.4		30.7		95.7		7.2		5.8		9		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	20.4	20.4	8.4	8.4	30.7	30.7	95.4	95.5	7.2	7.2	6.3		9		-				-		-	
						3.9	-	-	20.4		8.4		30.7		95.5		7.2		6.3		9		-				-		-	
SR2	Cloudy	Moderate	14:49	5.1	Surface	1.0	0.5	33	20.5	20.5	8.4	8.4	30.5	30.4	95.2	95.2	7.2	7.2	7.3	8.4	12	10	86	88	821443	814145	<0.2	<0.2	1.3	1.3
						1.0	0.5	34	20.5		8.4		30.4		95.2		7.2		7.4		11		86				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.4	29	20.4	20.4	8.3	8.3	30.8	30.8	97.3	97.7	7.3	7.4	9.4		8		89				<0.2		1.2	
						4.1	0.4	31	20.4		8.3		30.8		98.0		7.4		9.5		10		89				<0.2		1.3	
SR3	Cloudy	Moderate	13:36	9.8	Surface	1.0	0.2	131	20.7	20.6	8.3	8.3	29.4	29.4	96.4	96.4	7.3	7.2	6.2	9.4	10	11	-	-	822158	807572	-	-	-	-
						1.0	0.2	140	20.6		8.3		29.4		96.3		7.3		6.5		9		-				-		-	
					Middle	4.9	0.1	102	20.3	20.3	8.3	8.3	30.3	30.3	94.0	94.0	7.1		10.4		11		-				-		-	
						4.9	0.1	103	20.3		8.3		30.3		94.0		7.1		10.5		12		-				-		-	
					Bottom	8.8	0.2	36	20.2	20.2	8.3	8.3	31.2	31.2	96.2	96.2	7.2	7.3	11.1		13		-				-		-	
						8.8	0.2	37	20.2		8.3		31.2		96.2		7.3		11.5		12		-				-		-	
SR4A	Cloudy	Calm	14:54	9.0	Surface	1.0	0.1	101	20.5	20.5	8.3	8.3	32.3	32.3	103.4	103.3	7.7	7.6	5.5	8.0	9	10	-	-	817169	807791	-	-	-	-
						1.0	0.1	109	20.5		8.3		32.3		103.2		7.7		5.5		9		-				-		-	
					Middle	4.5	0.1	72	20.1	20.0	8.3	8.3	33.1	33.1	100.3	100.4	7.5		8.8		10		-				-		-	
						4.5	0.1	72	20.0		8.3		33.1		100.5		7.5		8.8		10		-				-		-	
					Bottom	8.0	0.2	74	19.9	19.9	8.3	8.3	33.4	33.4	99.5	99.6	7.4	7.4	9.5		12		-				-		-	
						8.0	0.2	77	19.9		8.3		33.4		99.6		7.4		9.7		11		-				-		-	
SR5A	Rainy	Calm	15:12	3.5	Surface	1.0	0.1	334	20.9	20.9	8.3	8.3	31.5	31.5	103.0	103.2	7.7	7.7	5.9	6.6	9	11	-	-	816602	810684	-	-	-	-
						1.0	0.1	359	20.9		8.3		31.5		103.3		7.7		5.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	317	20.8	20.8	8.3	8.3	31.5	31.5	100.6	100.6	7.5	7.5	7.4		11		-				-		-	
						2.5	0.1	336	20.8		8.3		31.5		100.6		7.5		7.4		12		-				-		-	
SR6A	Rainy	Calm	15:51	3.8	Surface	1.0	0.0	65	20.8	20.8	8.2	8.2	31.1	31.1	100.9	100.9	7.5	7.5	3.0	2.7	9	10	-	-	817983	814729	-	-	-	-
						1.0	0.0	67	20.8		8.2		31.1		100.9		7.5		2.9		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	330	20.8	20.8	8.2	8.2	31.2	31.2	100.1	100.1	7.5	7.5	2.5		9		-				-		-	
						2.8	0.0	339	20.8		8.2		31.2		100.1		7.5		2.5		10		-				-		-	
SR7	Cloudy	Moderate	15:37	15.9	Surface	1.0	0.8	47	20.5	20.5	8.4	8.4	31.3	31.3	95.7	95.6	7.2	7.1	3.1	3.8	6	7	-	-	823653	823725	-	-	-	-
						1.0	0.8	51	20.5		8.4		31.3		95.5		7.2		3.2		5		-				-		-	
					Middle	8.0	0.5	20	20.3	20.3	8.4	8.4	31.8	31.8	93.7	93.7	7.0		4.2		7		-				-		-	
						8.0	0.5	20	20.3		8.4		31.8		93.6		7.0		4.2		7		-				-		-	
					Bottom	14.9	0.4	0	20.3	20.3	8.4	8.4	31.9	31.9	92.8	92.9	7.0	7.0	4.1		8		-				-		-	
						14.9	0.4	0	20.3		8.4		31.9		93.0		7.0		4.1		8		-				-		-	
SR8	Cloudy	Moderate	14:26	4.6	Surface	1.0	-	-	20.4	20.4	8.4	8.4	30.7	30.7	96.7	96.7	7.3	7.3	7.8	8.3	10	10	-	-	820383	811642	-	-	-	-
						1.0	-	-	20.4		8.4		30.7		96.7		7.3		7.9		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	20.4	20.4	8.4	8.4	30.8	30.8	98.3	98.4	7.4	7.4	8.9		10		-				-		-	
						3.6	-	-	20.4		8.4		30.8		98.4		7.4		8.7		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 12 March 20 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	Rough	09:26	7.7	Surface	1.0	0.7	21	19.9	19.9	8.1	8.1	33.1	33.1	100.2	100.2	7.5	7.5	9.6	11.4	16	17	85	87	815643	804241	<0.2	<0.2	0.9	0.8
						1.0	0.8	22	19.9		8.1		33.1		100.2		7.5		9.8		17		84				<0.2		0.8	
					Middle	3.9	0.8	30	19.8	19.8	8.1	8.1	33.2	33.2	100.5	100.5	7.5		11.2		17		87				<0.2		0.7	
						3.9	0.8	30	19.8		8.1		33.2		100.4		7.5		11.0		18		86				<0.2		0.8	
					Bottom	6.7	0.6	36	19.8	19.8	8.1	8.1	33.2	33.2	99.8	99.8	7.5	7.5	13.6		17		89				<0.2		0.8	
						6.7	0.7	38	19.8		8.1		33.2		99.8		7.5		13.4		18		90				<0.2		1.0	
C2	Cloudy	Moderate	09:47	12.3	Surface	1.0	0.7	0	20.7	20.7	8.4	8.4	28.4	28.4	92.1	92.1	7.0	7.0	9.8	13.3	17	16	86	88	825670	806948	<0.2	<0.2	1.1	1.2
						1.0	0.7	0	20.7		8.4		28.4		92.0		7.0		9.8		16		86				<0.2		1.1	
					Middle	6.2	0.5	13	20.7	20.7	8.4	8.4	28.5	28.5	91.6	91.7	7.0		10.8		16		89				<0.2		1.2	
						6.2	0.5	13	20.7		8.4		28.5		91.7		7.0		10.6		16		89				<0.2		1.3	
					Bottom	11.3	0.4	11	20.7	20.7	8.3	8.3	28.6	28.6	92.2	92.2	7.0	7.0	19.7		15		90				<0.2		1.3	
						11.3	0.5	11	20.7		8.3		28.6		92.2		7.0		19.3		16		90				<0.2		1.3	
C3	Cloudy	Moderate	07:57	11.3	Surface	1.0	0.8	280	20.4	20.4	8.2	8.2	30.6	30.6	94.5	94.5	7.1	7.0	6.9	9.0	10	11	84	86	822132	817816	<0.2	<0.2	1.0	1.0
						1.0	0.8	295	20.4		8.2		30.6		94.4		7.1		6.7		9		84				<0.2		0.9	
					Middle	5.7	0.6	294	20.4	20.4	8.2	8.2	30.9	30.9	91.7	91.7	6.9		8.5		10		85				<0.2		1.0	
						5.7	0.6	306	20.4		8.2		30.9		91.7		6.9		8.7		11		85				<0.2		1.0	
					Bottom	10.3	0.5	296	20.3	20.3	8.1	8.1	31.0	31.0	94.3	94.3	7.1	7.1	11.5		11		90				<0.2		0.9	
						10.3	0.5	310	20.3		8.1		31.0		94.3		7.1		11.4		12		90				<0.2		0.9	
IM1	Cloudy	Moderate	09:45	5.1	Surface	1.0	0.2	20	20.2	20.2	8.1	8.1	31.9	31.9	98.9	98.9	7.4	7.4	10.9	11.5	16	18	86	87	817972	807121	<0.2	<0.2	1.1	1.0
						1.0	0.2	20	20.2		8.1		31.9		98.9		7.4		11.0		17		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	323	20.0	20.0	8.1	8.1	32.5	32.5	98.1	98.1	7.4	7.4	12.1		20		88				<0.2		0.9	
						4.1	0.1	337	20.0		8.1		32.5		98.1		7.4		12.1		19		88				<0.2		0.9	
IM2	Cloudy	Rough	09:56	7.4	Surface	1.0	0.3	8	20.1	20.1	8.2	8.2	31.5	31.5	97.3	97.4	7.3	7.3	11.8	14.6	17	16	86	88	818170	806171	<0.2	<0.2	1.2	1.2
						1.0	0.3	8	20.1		8.2		31.5		97.5		7.4		11.8		16		86				<0.2		1.1	
					Middle	3.7	0.3	11	20.1	20.1	8.2	8.2	31.5	31.5	97.4	97.3	7.3		14.6		17		89				<0.2		1.3	
						3.7	0.3	11	20.1		8.2		31.5		97.2		7.3		14.8		17		89				<0.2		1.2	
					Bottom	6.4	0.3	8	20.1	20.1	8.2	8.2	31.5	31.5	97.4	97.4	7.3	7.3	17.4		15		90				<0.2		1.2	
						6.4	0.3	8	20.1		8.2		31.5		97.4		7.3		16.9		16		90				<0.2		1.3	
IM3	Cloudy	Rough	10:04	7.3	Surface	1.0	0.4	340	20.1	20.1	8.2	8.2	31.6	31.6	98.8	98.8	7.4	7.4	11.4	13.6	16	16	86	88	818787	805602	<0.2	<0.2	1.4	1.5
						1.0	0.4	313	20.1		8.2		31.6		98.8		7.4		11.6		16		85				<0.2		1.4	
					Middle	3.7	0.4	346	20.0	20.0	8.2	8.2	31.7	31.7	98.6	98.6	7.4		13.4		16		89				<0.2		1.3	
						3.7	0.5	318	20.0		8.2		31.7		98.6		7.4		13.8		15		89				<0.2		1.3	
					Bottom	6.3	0.3	351	20.0	20.0	8.2	8.2	31.7	31.7	97.9	97.8	7.4	7.4	15.5		15		90				<0.2		1.8	
						6.3	0.3	356	20.0		8.2		31.7		97.7		7.4		15.8		15		90				<0.2		1.9	
IM4	Cloudy	Rough	10:13	8.2	Surface	1.0	0.8	351	20.0	20.0	8.2	8.2	32.2	32.2	99.4	99.4	7.5	7.5	10.2	13.3	16	16	86	88	819704	804604	<0.2	<0.2	1.3	1.3
						1.0	0.8	323	20.0		8.2		32.2		99.5		7.5		10.2		16		85				<0.2		1.4	
					Middle	4.1	0.7	355	20.0	20.0	8.2	8.2	32.2	32.2	99.5	99.5	7.5		13.3		17		89				<0.2		1.3	
						4.1	0.7	327	20.0		8.2		32.2		99.5		7.5		13.1		16		89				<0.2		1.2	
					Bottom	7.2	0.7	356	20.0	20.0	8.2	8.2	32.2	32.2	98.6	98.6	7.4	7.4	16.6		17		90				<0.2		1.4	
						7.2	0.7	328	20.0		8.2		32.2		98.5		7.4		16.6		16		90				<0.2		1.2	
IM5	Cloudy	Rough	10:20	7.6	Surface	1.0	0.9	11	20.0	20.0	8.2	8.2	31.6	31.6	98.0	98.0	7.4	7.4	9.7	12.7	14	14	86	89	820723	804884	<0.2	<0.2	1.3	1.4
						1.0	0.9	11	20.0		8.2		31.6		97.9		7.4		9.8		13		86				<0.2		1.5	
					Middle	3.8	0.8	13	20.0	20.0	8.2	8.2	31.6	31.6	97.7	97.7	7.4		12.8		15		89				<0.2		1.5	
						3.8	0.9	13	20.0		8.2		31.6		97.7		7.4		12.8		14		89				<0.2		1.4	
					Bottom	6.6	0.8	15	20.0	20.0	8.2	8.2	31.6	31.6	97.0	97.0	7.3	7.3	15.7		14		91				<0.2		1.4	
						6.6	0.8	15	20.0		8.2		31.6		97.0		7.3		15.4		15		90				<0.2		1.4	
IM6	Cloudy	Rough	10:30	7.4	Surface	1.0	0.0	305	20.4	20.4	8.2	8.2	30.3	30.3	96.0	96.0	7.3	7.3	6.5	10.0	10	12	86	89	821052	805822	<0.2	<0.2	1.8	1.5
						1.0	0.0	327	20.4		8.2		30.3		95.9		7.2		6.6		10		87				<0.2		2.0	
					Middle	3.7	0.0	82	20.3	20.3	8.2	8.2	30.6	30.6	96.7	96.7	7.3		10.8		10		89				<0.2		1.4	
						3.7	0.0	85	20.3		8.2		30.6		96.6		7.3		10.9		11		90				<0.2		1.4	
					Bottom	6.4	0.3	58	20.2	20.2	8.2	8.2	31.4	31.4	96.6	96.6	7.3	7.3	12.7		14		90				<0.2		1.3	
						6.4	0.3	60	20.2		8.2		31.4		96.6		7.3		12.6		14		91				<0.2		1.3	
IM7	Cloudy	Rough	10:41	8.5	Surface	1.0	0.2	242	20.6	20.6	8.1	8.1	29.2	29.2	94.7	94.7	7.2	7.2	5.9	9.9	12	12	86	89	821349	806830	<0.2	<0.2	1.3	1.3
						1.0	0.2	246	20.6		8.1		29.2		94.7		7.2		6.0		11		86				<0.2		1.3	
					Middle	4.3	0.2	123	20.4	20.4	8.2	8.2	30.2	30.2	95.1	95.1	7.2		9.2		11		89				<0.2		1.3	
						4.3	0.2	134	20.4		8.2		30.2		95.1		7.2		9.1		12		90				<0.2		1.3	
					Bottom	7.5	0.1	78	19.9	19.9	8.3	8.3	32.5	32.4	96.1	96.1	7.2	7.2	14.5		14		91				<0.2		1.4	
						7.5	0.1	85	19.9		8.3		32.4		96.0		7.2		14.6		14		91				<0.2		1.4	
IM8	Cloudy	Moderate	09:20	7.9	Surface	1.0	0.2	96	20.6	20.6	8.4	8.4	28.8	28.8	93.6	93.6	7.1	7.2	9.0	13.3	15	16	87	89	821825	808121	<0.2	<0.2	1.2	1.1
						1.0	0.2	98	20.6		8.4		28.8		93.6		7.1		9.0		16		86				<0.2		1.1	
					Middle	4.0	0.2	84	20.4	20.4	8.4	8.4	29.3	29.3	94.7	94.9	7.2		15.2		16		89				<0.2		1.2	
						4.0	0.2	86	20.4		8.4		29.4		95.1		7.2		15.5		15		89				<0.2		1.1	
					Bottom	6.9	0.1	296	20.3	20.3	8.3	8.3	30.1	30.1	95.6	95.6	7.2	7.2	15.6		17		90				<0.2		1.1	
						6.9	0.1	319	20.3		8.3		30.1		95.5		7.2		15.7		16		90				<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 12 March 20 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	09:14	7.4	Surface	1.0	0.2	273	20.3	20.3	8.4	8.4	30.0	30.0	95.9	96.0	7.3	7.2	15.0	15.7	34	31	87	89	822092	808790	<0.2	<0.2	1.2	1.2
						1.0	0.2	287	20.3		8.4		30.0		96.1		7.3		15.3		34		87				<0.2		1.1	
					Middle	3.7	0.2	289	20.2	20.2	8.4	8.4	30.2	30.2	93.6	93.7	7.1		15.2		30		89				<0.2		1.1	
						3.7	0.2	303	20.2		8.4		30.2		93.8		7.1		15.4		30		89				<0.2		1.2	
					Bottom	6.4	0.2	271	20.2	20.2	8.4	8.4	30.3	30.3	96.2	96.3	7.3	7.3	16.8		29		90				<0.2		1.3	
						6.4	0.2	286	20.2		8.4		30.3		96.4		7.3		16.5		29		90				<0.2		1.1	
IM10	Cloudy	Rough	09:06	7.9	Surface	1.0	0.6	337	20.3	20.3	8.4	8.4	30.3	30.3	95.8	95.8	7.3	7.2	16.7	18.8	23	22	85	88	822397	809774	<0.2	<0.2	1.1	1.1
						1.0	0.7	351	20.3		8.4		30.3		95.8		7.3		16.7		24		85				<0.2		1.1	
					Middle	4.0	0.6	340	20.3	20.3	8.4	8.4	30.3	30.3	93.7	93.7	7.1		19.0		21		89				<0.2		1.1	
						4.0	0.7	313	20.3		8.4		30.3		93.7		7.1		19.2		22		89				<0.2		1.1	
					Bottom	6.9	0.5	344	20.3	20.3	8.4	8.4	30.3	30.3	96.2	96.3	7.3	7.3	20.6		22		90				<0.2		1.1	
						6.9	0.6	316	20.3		8.4		30.3		96.3		7.3		20.6		21		90				<0.2		1.2	
IM11	Cloudy	Rough	08:56	7.5	Surface	1.0	0.7	317	20.2	20.2	8.4	8.4	30.6	30.6	96.1	96.1	7.3	7.3	15.3	16.9	25	24	85	88	822066	811478	<0.2	<0.2	1.0	1.1
						1.0	0.7	335	20.2		8.4		30.6		96.1		7.3		15.4		26		86				<0.2		1.1	
					Middle	3.8	0.5	327	20.2	20.2	8.4	8.4	30.6	30.6	95.2	95.5	7.2		16.8		24		89				<0.2		1.1	
						3.8	0.6	337	20.2		8.4		30.6		95.7		7.2		16.6		24		89				<0.2		1.0	
					Bottom	6.5	0.6	327	20.2	20.2	8.4	8.4	30.6	30.6	98.0	98.1	7.4	7.4	18.4		24		90				<0.2		1.0	
						6.5	0.6	347	20.2		8.4		30.6		98.1		7.4		18.6		23		90				<0.2		1.2	
IM12	Cloudy	Rough	08:49	9.3	Surface	1.0	0.7	315	20.3	20.3	8.3	8.3	30.8	30.8	95.5	95.5	7.2	7.2	17.1	18.0	24	25	85	88	821446	812028	<0.2	<0.2	1.1	1.1
						1.0	0.7	326	20.3		8.3		30.8		95.5		7.2		17.0		24		86				<0.2		1.1	
					Middle	4.7	0.7	312	20.3	20.3	8.3	8.3	30.7	30.7	95.3	95.3	7.2		17.3		24		89				<0.2		1.1	
						4.7	0.8	333	20.3		8.3		30.7		95.2		7.2		17.6		26		90				<0.2		1.1	
					Bottom	8.3	0.6	309	20.3	20.3	8.3	8.3	30.7	30.7	95.5	95.5	7.2	7.2	19.5		27		90				<0.2		1.0	
						8.3	0.7	339	20.3		8.3		30.7		95.5		7.2		19.4		27		90				<0.2		1.0	
SR1A	Cloudy	Calm	08:28	4.9	Surface	1.0	-	-	20.3	20.3	8.3	8.3	30.5	30.5	94.1	94.2	7.1	7.1	5.9	6.2	9	10	-	-	819978	812662	-	-	-	-
						1.0	-	-	20.3		8.3		30.5		94.2		7.1		6.1		10		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	20.3	20.3	8.2	8.2	30.5	30.5	95.9	96.2	7.2	7.3	6.5		10		-				-		-	
						3.9	-	-	20.3		8.2		30.5		96.5		7.3		6.4		9		-				-		-	
SR2	Cloudy	Moderate	08:17	4.4	Surface	1.0	0.2	193	20.3	20.3	8.2	8.2	30.7	30.7	96.3	96.5	7.3	7.3	20.6	20.3	21	23	88	89	821458	814180	<0.2	<0.2	1.0	1.0
						1.0	0.2	201	20.3		8.2		30.7		96.6		7.3		20.2		22		88				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	166	20.3	20.3	8.2	8.2	30.8	30.8	98.5	98.7	7.4	7.5	20.1		24		89				<0.2		0.9	
						3.4	0.2	179	20.3		8.2		30.8		98.9		7.5		20.1		24		89				<0.2		0.9	
SR3	Cloudy	Moderate	09:27	9.3	Surface	1.0	0.1	232	20.6	20.6	8.4	8.4	28.8	28.8	93.4	93.5	7.1	7.1	9.3	9.4	13	13	-	-	822128	807559	-	-	-	-
						1.0	0.1	232	20.6		8.4		28.8		93.5		7.1		9.4		13		-				-		-	
					Middle	4.7	0.1	77	20.6	20.6	8.4	8.4	28.8	28.8	93.2	93.3	7.1		9.6		12		-				-		-	
						4.7	0.1	81	20.6		8.4		28.8		93.3		7.1		9.7		14		-				-		-	
					Bottom	8.3	0.1	73	20.6	20.6	8.4	8.4	28.8	28.8	95.8	95.9	7.3	7.3	9.2		14		-				-		-	
						8.3	0.1	74	20.6		8.4		28.8		95.9		7.3		9.2		14		-				-		-	
SR4A	Cloudy	Calm	09:01	9.0	Surface	1.0	0.3	85	20.2	20.2	8.0	8.0	31.4	31.4	96.9	96.9	7.3	7.3	8.8	11.9	12	13	-	-	817206	807796	-	-	-	-
						1.0	0.3	91	20.2		8.0		31.4		96.9		7.3		8.9		13		-				-		-	
					Middle	4.5	0.3	82	20.1	20.1	8.0	8.0	31.8	31.8	97.5	97.5	7.3		11.9		13		-				-		-	
						4.5	0.3	83	20.1		8.0		31.8		97.4		7.3		11.9		14		-				-		-	
					Bottom	8.0	0.3	80	20.1	20.1	8.0	8.0	31.9	31.9	97.1	97.1	7.3	7.3	14.9		13		-				-		-	
						8.0	0.3	84	20.1		8.0		31.9		97.1		7.3		14.9		14		-				-		-	
SR5A	Cloudy	Calm	08:42	3.6	Surface	1.0	0.1	285	20.2	20.2	8.0	8.0	31.2	31.2	95.4	95.4	7.2	7.2	10.4	11.8	8	10	-	-	816604	810710	-	-	-	-
						1.0	0.1	293	20.2		8.0		31.2		95.3		7.2		10.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	285	20.2	20.2	7.9	7.9	31.2	31.2	95.4	95.4	7.2	7.2	13.2		12		-				-		-	
						2.6	0.1	290	20.2		7.9		31.2		95.3		7.2		13.2		12		-				-		-	
SR6A	Cloudy	Calm	08:04	3.9	Surface	1.0	0.1	208	20.3	20.3	7.9	7.9	30.9	30.9	93.9	93.9	7.1	7.1	3.8	4.0	7	8	-	-	817973	814747	-	-	-	-
						1.0	0.1	217	20.3		7.9		30.9		93.9		7.1		3.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	203	20.3	20.3	7.8	7.8	30.9	30.9	93.2	93.3	7.0	7.0	4.1		8		-				-		-	
						2.9	0.1	221	20.3		7.8		30.9		93.3		7.0		4.1		8		-				-		-	
SR7	Rainy	Moderate	07:29	15.4	Surface	1.0	0.3	69	20.3	20.3	8.2	8.2	31.2	31.2	92.8	92.8	7.0	7.0	5.1	6.0	5	6	-	-	823647	823721	-	-	-	-
						1.0	0.3	69	20.3		8.2		31.2		92.8		7.0		4.9		6		-				-		-	
					Middle	7.7	0.3	123	20.3	20.3	8.1	8.1	31.4	31.4	91.2	91.3	6.9		5.8		6		-				-		-	
						7.7	0.3	124	20.3		8.1		31.4		91.4		6.9		5.9		7		-				-		-	
					Bottom	14.4	0.3	115	20.3	20.3	8.1	8.1	31.5	31.5	92.4	92.5	6.9	7.0	7.3		7		-				-		-	
						14.4	0.3	120	20.3		8.1		31.5		92.5		7.0		7.1		6		-				-		-	
SR8	Cloudy	Calm	08:39	5.1	Surface	1.0	-	-	20.3	20.3	8.3	8.3	30.4	30.4	95.2	95.3	7.2	7.2	10.1	12.3	10	9	-	-	820370	811615	-	-	-	-
						1.0	-	-	20.3		8.3		30.4		95.3		7.2		10.5		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	20.3	20.3	8.3	8.3	30.4	30.4	95.9	96.0	7.3	7.3	14.1		8		-				-		-	
						4.1	-	-	20.3		8.3		30.4		96.0		7.3		14.3		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 March 20 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	Fine	Rough	15:53	8.5	Surface	1.0	0.3	252	21.2	21.2	8.2	8.2	31.3	31.3	117.6	117.3	8.7	8.4	3.0	3.6	5	5	83	87	815617	804250	<0.2	<0.2	1.4	1.2
						1.0	0.3	259	21.2		8.2		31.3		117.0		8.7		3.0		4		84				<0.2		1.3	
					Middle	4.3	0.3	230	20.7	20.7	8.2	8.2	32.1	32.1	108.6	108.6	8.1		4.2		5		87				<0.2		1.5	
						4.3	0.3	246	20.7		8.2		32.1		108.6		8.1		4.2		4		88				<0.2		1.4	
					Bottom	7.5	0.3	225	20.4	20.4	8.1	8.1	32.7	32.7	109.6	109.6	8.2	8.2	3.5		6		91				<0.2		0.8	
						7.5	0.3	241	20.4		8.1		32.7		109.5		8.2		3.5		5		91				<0.2		0.8	
C2	Cloudy	Moderate	14:45	12.3	Surface	1.0	0.3	162	21.2	21.2	8.0	8.0	29.7	29.7	100.8	100.8	7.5	7.5	9.2	13.3	14	14	86	88	825672	806925	<0.2	<0.2	1.9	1.9
						1.0	0.3	171	21.2		8.0		29.7		100.8		7.5		9.2		14		86				<0.2		1.9	
					Middle	6.2	0.3	171	21.0	21.0	8.0	8.0	30.1	30.1	99.8	99.8	7.5		15.9		14		88				<0.2		2.1	
						6.2	0.3	172	21.0		8.0		30.1		99.8		7.5		15.9		14		87				<0.2		1.9	
					Bottom	11.3	0.2	194	20.9	20.9	8.0	8.0	30.8	30.8	99.5	99.5	7.4	7.4	14.9		12		90				<0.2		1.8	
						11.3	0.2	196	20.9		8.0		30.8		99.5		7.4		14.9		13		90				<0.2		1.8	
C3	Cloudy	Moderate	16:30	12.0	Surface	1.0	0.6	71	20.8	20.8	8.2	8.2	31.3	31.3	95.8	95.8	7.1	7.1	5.9	6.2	4	4	86	89	822102	817824	<0.2	<0.2	1.3	1.4
						1.0	0.6	75	20.8		8.2		31.3		95.8		7.1		5.9		3		86				<0.2		1.4	
					Middle	6.0	0.3	82	20.5	20.5	8.2	8.2	31.9	31.9	94.7	94.7	7.1		6.3		4		89				<0.2		1.8	
						6.0	0.4	84	20.5		8.2		31.9		94.7		7.1		6.3		3		88				<0.2		1.8	
					Bottom	11.0	0.3	86	20.5	20.5	8.2	8.2	32.2	32.2	95.8	95.8	7.1	7.1	6.5		5		90				<0.2		1.1	
						11.0	0.3	86	20.5		8.2		32.2		95.8		7.1		6.5		4		92				<0.2		1.1	
IM1	Fine	Rough	15:32	5.0	Surface	1.0	0.2	202	21.2	21.2	8.1	8.1	30.5	30.5	117.0	117.0	8.7	8.7	4.1	6.3	7	6	83	88	817970	807140	<0.2	<0.2	1.3	1.1
						1.0	0.2	210	21.2		8.1		30.5		116.9		8.7		4.1		6		84				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	223	21.2	21.2	8.1	8.1	30.6	30.6	115.5	115.5	8.6	8.6	8.4		6		91				<0.2		1.0	
						4.0	0.2	244	21.2		8.1		30.6		115.5		8.6		8.5		6		92				<0.2		1.0	
IM2	Fine	Rough	15:24	7.4	Surface	1.0	0.4	190	21.1	21.1	8.1	8.1	30.7	30.7	110.7	110.7	8.2	8.1	4.6	8.5	7	7	85	88	818185	806158	<0.2	<0.2	1.5	1.3
						1.0	0.4	203	21.1		8.1		30.7		110.6		8.2		4.6		6		86				<0.2		1.5	
					Middle	3.7	0.3	176	21.0	21.0	8.1	8.1	31.0	31.0	107.8	107.8	8.0		5.6		6		88				<0.2		1.4	
						3.7	0.3	185	21.0		8.1		31.0		107.8		8.0		5.6		7		88				<0.2		1.5	
					Bottom	6.4	0.2	151	20.4	20.4	8.1	8.1	31.8	31.8	102.6	102.7	7.7	7.7	15.1		7		89				<0.2		0.8	
						6.4	0.2	153	20.4		8.1		31.8		102.7		7.7		15.3		6		90				<0.2		0.9	
IM3	Fine	Rough	15:18	7.2	Surface	1.0	0.2	200	21.1	21.1	8.1	8.1	30.6	30.6	112.0	112.0	8.3	8.1	4.3	6.1	8	6	84	88	818786	805583	<0.2	<0.2	1.4	1.3
						1.0	0.2	213	21.1		8.1		30.6		111.9		8.3		4.3		8		85				<0.2		1.5	
					Middle	3.6	0.2	206	21.0	21.0	8.1	8.1	30.7	30.7	105.4	105.4	7.9		5.1		6		89				<0.2		1.5	
						3.6	0.2	207	21.0		8.1		30.7		105.4		7.9		5.2		7		89				<0.2		1.4	
					Bottom	6.2	0.1	136	20.3	20.3	8.1	8.1	31.9	31.9	102.5	102.5	7.7	7.7	8.5		4		89				<0.2		0.9	
						6.2	0.1	138	20.3		8.1		31.9		102.5		7.7		9.0		5		90				<0.2		0.8	
IM4	Fine	Rough	15:10	8.6	Surface	1.0	0.4	184	21.1	21.1	8.1	8.1	29.2	29.1	106.6	106.6	8.0	7.9	5.3	7.7	4	7	85	88	819734	804586	<0.2	<0.2	1.4	1.2
						1.0	0.4	201	21.0		8.1		28.9		106.6		8.0		5.4		6		85				<0.2		1.3	
					Middle	4.3	0.3	179	20.5	20.5	8.1	8.1	31.6	31.6	103.3	103.3	7.7		8.3		6		88				<0.2		1.3	
						4.3	0.3	186	20.5		8.1		31.7		103.3		7.7		8.4		7		89				<0.2		1.4	
					Bottom	7.6	0.3	188	20.3	20.3	8.1	8.1	31.9	31.9	103.3	103.4	7.7	7.7	9.3		10		90				<0.2		0.8	
						7.6	0.3	201	20.3		8.1		31.9		103.4		7.7		9.3		10		90				<0.2		0.8	
IM5	Fine	Rough	15:02	7.8	Surface	1.0	0.2	241	21.5	21.5	8.1	8.1	28.4	28.4	111.3	111.3	8.3	8.1	3.3	6.0	4	5	85	88	820750	804886	<0.2	<0.2	1.3	1.2
						1.0	0.2	244	21.5		8.1		28.4		111.2		8.3		3.4		4		86				<0.2		1.3	
					Middle	3.9	0.1	162	20.8	20.8	8.1	8.1	31.0	30.9	104.7	104.7	7.8		6.2		4		89				<0.2		1.3	
						3.9	0.1	164	20.8		8.1		30.9		104.7		7.8		6.2		4		89				<0.2		1.4	
					Bottom	6.8	0.1	124	20.5	20.5	8.1	8.1	31.3	31.3	104.1	104.0	7.8	7.8	8.3		6		90				<0.2		1.0	
						6.8	0.1	125	20.5		8.1		31.3		103.9		7.8		8.3		7		90				<0.2		1.0	
IM6	Fine	Rough	14:55	7.5	Surface	1.0	0.2	161	21.5	21.5	8.1	8.1	28.6	28.6	109.4	109.4	8.2	8.0	3.6	5.1	4	6	85	88	821068	805827	<0.2	<0.2	1.3	1.3
						1.0	0.2	170	21.5		8.1		28.6		109.3		8.2		3.6		5		86				<0.2		1.5	
					Middle	3.8	0.3	125	21.0	21.0	8.1	8.1	29.7	29.7	104.4	104.5	7.8		5.2		5		88				<0.2		1.5	
						3.8	0.3	134	21.0		8.1		29.7		104.5		7.8		5.2		6		88				<0.2		1.4	
					Bottom	6.5	0.2	98	20.8	20.8	8.1	8.1	30.7	30.7	104.2	104.2	7.8	7.8	6.6		7		89				<0.2		1.1	
						6.5	0.2	107	20.8		8.1		30.7		104.2		7.8		6.5		8		90				<0.2		1.1	
IM7	Fine	Rough	14:44	8.4	Surface	1.0	0.1	255	21.6	21.6	8.1	8.1	28.7	28.7	111.1	111.1	8.3	8.0	4.4	7.9	5	7	89	90	821329	806817	<0.2	<0.2	1.0	1.1
						1.0	0.1	278	21.6		8.1		28.7		111.1		8.3		4.4		5		89				<0.2		1.0	
					Middle	4.2	0.1	189	20.9	20.9	8.1	8.1	30.3	30.3	103.1	103.2	7.7		8.0		7		90				<0.2		1.2	
						4.2	0.1	199	20.9		8.1		30.3		103.2		7.7		8.1		6		90				<0.2		1.2	
					Bottom	7.4	0.2	181	20.8	20.8	8.1	8.1	30.6	30.6	104.3	104.3	7.8	7.8	11.4		8		90				<0.2		1.1	
						7.4	0.2	181	20.8		8.1		30.6		104.2		7.8		11.3		9		91				<0.2		1.2	
IM8	Cloudy	Moderate	15:10	7.7	Surface	1.0	0.2	109	21.2	21.2	8.2	8.2	29.4	29.4	102.4	102.4	7.7	7.7	6.2	6.1	6	6	85	88	821818	808125	<0.2	<0.2	1.5	1.6
						1.0	0.2	114	21.2		8.2		29.4		102.4		7.7		6.2		6		86				<0.2		1.6	
					Middle	3.9	0.2	91	21.1	21.1	8.2	8.2	29.9	29.9	102.3	102.3	7.7		6.9		6		89				<0.2		1.6	
						3.9	0.3	93	21.1		8.2		29.9		102.3		7.7		6.9		6		89				<0.2		1.6	
					Bottom	6.7	0.2	59	21.1	21.1	8.2	8.2	30.2	30.2	100.0	100.0	7.5	7.5	5.2		7		91				<0.2		1.7	
						6.7	0.3	64	21.1		8.2		30.2		100.0		7.5		5.2		7		90				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 March 20 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	15:16	7.5	Surface	1.0	0.5	100	21.2	21.2	8.1	8.1	29.3	29.3	101.0	101.0	7.6	7.6	6.5	7.1	4	5	86	88	822097	808790	<0.2	<0.2	1.5	1.7
						1.0	0.5	100	21.2		8.1		29.3		101.0		7.6		6.5		4		86				<0.2		1.6	
					Middle	3.8	0.5	89	21.0	21.0	8.2	8.2	29.8	29.8	101.8	101.8	7.6		7.7		5		88				<0.2		1.7	
						3.8	0.5	91	21.0		8.2		29.8		101.8		7.6		7.7		6		87				<0.2		1.8	
					Bottom	6.5	0.4	72	21.0	21.0	8.2	8.2	29.9	29.9	100.4	100.4	7.5	7.5	7.1		6		90				<0.2		1.8	
						6.5	0.4	72	21.0		8.2		29.9		100.4		7.5		7.1		5		90				<0.2		1.7	
IM10	Cloudy	Moderate	15:23	7.8	Surface	1.0	0.8	114	21.4	21.4	8.2	8.2	29.4	29.4	101.6	101.6	7.6	7.6	12.1	15.0	6	6	86	88	822369	809794	<0.2	<0.2	1.7	1.7
						1.0	0.8	123	21.4		8.2		29.4		101.6		7.6		12.1		7		86				<0.2		1.6	
					Middle	3.9	0.7	110	21.1	21.1	8.2	8.2	29.8	29.8	100.3	100.3	7.5		13.4		7		88				<0.2		1.6	
						3.9	0.8	118	21.1		8.2		29.8		100.3		7.5		13.4		6		87				<0.2		1.6	
					Bottom	6.8	0.5	98	21.0	21.0	8.2	8.2	30.0	30.0	100.4	100.4	7.5	7.5	19.5		6		90				<0.2		1.8	
						6.8	0.5	107	21.0		8.2		30.0		100.4		7.5		19.5		6		90				<0.2		1.7	
IM11	Cloudy	Moderate	15:34	8.2	Surface	1.0	0.8	107	21.2	21.2	8.2	8.2	29.4	29.4	99.4	99.4	7.4	7.4	10.7	11.9	8	8	86	88	822044	811437	<0.2	<0.2	1.6	1.7
						1.0	0.8	110	21.2		8.2		29.4		99.4		7.4		10.7		7		86				<0.2		1.8	
					Middle	4.1	0.7	106	21.0	21.0	8.2	8.2	30.1	30.1	98.4	98.4	7.4		12.8		8		89				<0.2		1.6	
						4.1	0.8	112	21.0		8.2		30.1		98.4		7.4		12.8		7		88				<0.2		1.7	
					Bottom	7.2	0.4	108	20.9	20.9	8.2	8.2	30.6	30.6	98.7	98.7	7.4	7.4	12.1		8		90				<0.2		1.7	
						7.2	0.4	115	20.9		8.2		30.6		98.7		7.4		12.1		9		90				<0.2		1.7	
IM12	Cloudy	Moderate	15:40	8.9	Surface	1.0	0.7	107	21.4	21.4	8.2	8.2	29.2	29.2	100.6	100.6	7.5	7.4	10.1	10.0	8	9	86	88	821440	812060	<0.2	<0.2	1.5	1.4
						1.0	0.8	107	21.4		8.2		29.2		100.6		7.5		10.1		9		86				<0.2		1.4	
					Middle	4.5	0.6	105	21.0	21.0	8.2	8.2	30.0	30.0	97.5	97.5	7.3		11.0		9		88				<0.2		1.5	
						4.5	0.6	111	21.0		8.2		30.0		97.5		7.3		11.0		9		87				<0.2		1.5	
					Bottom	7.9	0.3	90	20.8	20.8	8.2	8.2	30.8	30.8	97.1	97.1	7.3	7.3	9.0		9		90				<0.2		1.2	
						7.9	0.3	97	20.8		8.2		30.8		97.1		7.3		9.0		10		91				<0.2		1.3	
SR1A	Cloudy	Moderate	16:00	4.7	Surface	1.0	-	-	21.3	21.3	8.2	8.2	30.5	30.5	100.5	100.5	7.5	7.5	3.5	4.2	5	6	-	-	819980	812660	-	-	-	-
						1.0	-	-	21.3		8.2		30.5		100.5		7.5		3.5		6		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	21.0	21.0	8.3	8.3	30.9	30.9	101.4	101.4	7.6	7.6	4.9		6		-				-		-	
						3.7	-	-	21.0		8.3		30.9		101.4		7.6		4.9		5		-				-		-	
SR2	Cloudy	Moderate	16:12	4.3	Surface	1.0	0.3	67	21.4	21.4	8.2	8.2	29.2	29.2	105.3	105.3	7.9	7.9	4.5	5.4	4	5	87	89	821470	814154	<0.2	<0.2	1.4	1.3
						1.0	0.3	69	21.4		8.2		29.2		105.3		7.9		4.5		5		88				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	27	21.3	21.3	8.2	8.2	29.8	29.8	103.0	103.0	7.7	7.7	6.3		6		90				<0.2		1.3	
						3.3	0.1	27	21.3		8.2		29.8		103.0		7.7		6.3		6		91				<0.2		1.3	
SR3	Cloudy	Moderate	15:04	8.9	Surface	1.0	0.2	142	21.3	21.3	8.2	8.2	29.2	29.2	100.6	100.6	7.5	7.6	6.4	8.9	8	9	-	-	822142	807582	-	-	-	-
						1.0	0.2	152	21.3		8.2		29.2		100.6		7.5		6.4		9		-				-		-	
					Middle	4.5	0.2	118	21.0	21.0	8.3	8.3	29.8	29.8	101.2	101.2	7.6		9.7		9		-				-		-	
						4.5	0.2	121	21.0		8.3		29.8		101.2		7.6		9.7		8		-				-		-	
					Bottom	7.9	0.2	80	21.0	21.0	8.3	8.3	30.4	30.4	100.3	100.3	7.5	7.5	10.7		9		-				-		-	
						7.9	0.2	85	21.0		8.3		30.4		100.3		7.5		10.7		9		-				-		-	
SR4A	Fine	Rough	16:15	9.6	Surface	1.0	0.2	76	21.4	21.4	8.2	8.2	30.6	30.6	116.4	116.4	8.6	8.3	4.9	6.2	5	6	-	-	817181	807809	-	-	-	-
						1.0	0.2	81	21.4		8.2		30.6		116.3		8.6		4.9		6		-				-		-	
					Middle	4.8	0.1	79	21.1	21.1	8.1	8.1	30.7	30.7	107.8	107.8	8.0		6.4		5		-				-		-	
						4.8	0.1	83	21.1		8.1		30.7		107.7		8.0		6.4		6		-				-		-	
					Bottom	8.6	0.2	37	20.8	20.8	8.1	8.1	30.9	30.9	108.4	108.5	8.1	8.1	7.2		8		-				-		-	
						8.6	0.2	38	20.8		8.1		30.9		108.6		8.1		7.2		7		-				-		-	
SR5A	Fine	Rough	16:31	5.0	Surface	1.0	0.0	47	22.1	22.1	8.1	8.1	30.7	30.7	116.9	116.8	8.5	8.5	5.6	6.9	8	9	-	-	816578	810717	-	-	-	-
						1.0	0.0	47	22.1		8.1		30.7		116.7		8.5		5.7		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	343	21.5	21.5	8.1	8.1	30.6	30.6	110.9	111.0	8.2	8.2	8.2		10		-				-		-	
						4.0	0.1	353	21.5		8.1		30.6		111.0		8.2		8.2		9		-				-		-	
SR6A	Fine	Rough	16:57	5.5	Surface	1.0	0.1	344	21.6	21.6	8.0	8.0	29.7	29.7	112.9	112.8	8.4	8.4	4.1	4.2	5	6	-	-	817971	814735	-	-	-	-
						1.0	0.1	316	21.6		8.0		29.7		112.7		8.4		4.1		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	15	21.8	21.8	8.0	8.0	30.1	30.1	108.7	108.7	8.0	8.0	4.1		7		-				-		-	
						4.5	0.1	15	21.8		8.0		30.1		108.7		8.0		4.3		6		-				-		-	
SR7	Cloudy	Moderate	16:57	16.4	Surface	1.0	1.1	68	21.2	21.2	8.2	8.2	31.1	31.1	105.5	105.5	7.8	7.7	0.8	0.8	6	5	-	-	823654	823719	-	-	-	-
						1.0	1.1	74	21.2		8.2		31.1		105.5		7.8		0.8		5		-				-		-	
					Middle	8.2	0.6	73	20.9	20.9	8.2	8.2	31.7	31.7	101.2	101.2	7.5		0.7		5		-				-		-	
						8.2	0.7	78	20.9		8.2		31.7		101.2		7.5		0.7		4		-				-		-	
					Bottom	15.4	0.4	16	20.8	20.8	8.2	8.2	31.9	31.9	101.5	101.5	7.5	7.5	0.9		4		-				-		-	
						15.4	0.5	16	20.8		8.2		31.9		101.5		7.5		0.9		4		-				-		-	
SR8	Cloudy	Moderate	15:52	4.8	Surface	1.0	-	-	21.4	21.4	8.2	8.2	30.1	30.1	101.9	101.9	7.6	7.6	8.5	8.8	8	11	-	-	820384	811607	-	-	-	-
						1.0	-	-	21.4		8.2		30.1		101.9		7.6		8.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	21.3	21.3	8.3	8.3	30.1	30.1	101.4	101.4	7.5	7.5	9.1		14		-				-		-	
						3.8	-	-	21.3		8.3		30.1		101.4		7.5		9.1		14		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 March 20 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	10:27	7.2	Surface	1.0	0.7	42	20.6	20.6	8.1	8.1	31.1	31.1	103.5	103.4	7.7	7.7	11.8	18.7	7	8	83	87	815617	804229	<0.2	<0.2	0.7	0.6
						1.0	0.7	43	20.6		8.1		31.1		103.3		7.7		12.1		8		83				<0.2		0.7	
					Middle	3.6	0.6	34	20.5	20.5	8.1	8.1	31.3	31.3	102.1	102.1	7.7		22.7		8		87				<0.2		0.6	
						3.6	0.7	35	20.5		8.1		31.3		102.0		7.6		22.8		8		88				<0.2		0.6	
					Bottom	6.2	0.6	40	20.5	20.5	8.1	8.1	31.5	31.4	102.5	102.5	7.7	7.7	21.7		10		91				<0.2		0.4	
						6.2	0.7	40	20.5		8.1		31.4		102.4		7.7		21.2		9		92				<0.2		0.4	
C2	Cloudy	Moderate	11:09	12.5	Surface	1.0	0.6	11	21.2	21.2	8.1	8.1	27.6	27.6	94.4	94.4	7.1	7.1	11.1	12.2	4	4	86	88	825695	806936	<0.2	<0.2	1.3	1.7
						1.0	0.6	11	21.2		8.1		27.6		94.4		7.1		11.1		4		86				<0.2		1.4	
					Middle	6.3	0.5	8	21.0	21.0	8.1	8.1	28.4	28.4	94.0	94.1	7.1		11.8		5		89				<0.2		1.9	
						6.3	0.6	8	21.0		8.1		28.4		94.1		7.1		11.8		4		88				<0.2		1.9	
					Bottom	11.5	0.3	351	20.9	20.9	8.2	8.2	29.7	29.7	93.3	93.3	7.0	7.0	13.8		5		90				<0.2		1.9	
						11.5	0.4	323	20.9		8.2		29.7		93.3		7.0		13.8		4		90				<0.2		2.0	
C3	Cloudy	Moderate	09:18	11.4	Surface	1.0	0.7	264	20.8	20.8	8.0	8.0	30.5	30.5	95.2	95.2	7.1	7.1	3.3	6.4	6	6	86	89	822099	817791	<0.2	<0.2	1.4	1.3
						1.0	0.7	265	20.8		8.0		30.5		95.2		7.1		3.3		6		87				<0.2		1.4	
					Middle	5.7	0.8	265	20.5	20.5	7.9	7.9	31.6	31.6	93.9	93.9	7.0		6.6		5		88				<0.2		1.1	
						5.7	0.9	281	20.5		7.9		31.6		93.9		7.0		6.6		6		89				<0.2		1.2	
					Bottom	10.4	0.5	269	20.5	20.5	7.9	7.9	31.7	31.7	95.7	95.7	7.2	7.2	9.2		4		90				<0.2		1.3	
						10.4	0.6	293	20.5		7.9		31.7		95.7		7.2		9.2		6		91				<0.2		1.4	
IM1	Cloudy	Moderate	10:45	4.3	Surface	1.0	0.3	10	20.9	20.9	8.2	8.2	30.6	30.6	104.0	104.0	7.8	7.8	7.8	8.7	10	13	83	86	817927	807150	<0.2	<0.2	0.9	0.9
						1.0	0.3	10	20.9		8.2		30.6		103.9		7.8		7.8		11		84				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	5	20.8	20.8	8.2	8.2	30.6	30.6	103.0	103.0	7.7	7.7	9.6		14		89				<0.2		0.9	
						3.3	0.2	5	20.8		8.2		30.6		103.0		7.7		9.7		15		89				<0.2		0.9	
IM2	Cloudy	Moderate	10:52	8.1	Surface	1.0	0.4	0	20.9	20.9	8.1	8.1	30.2	30.2	102.4	102.4	7.7	7.7	9.4	16.0	8	12	86	88	818186	806184	<0.2	<0.2	1.0	1.0
						1.0	0.4	0	20.9		8.1		30.2		102.4		7.7		9.6		7		87				<0.2		1.0	
					Middle	4.1	0.4	8	20.7	20.7	8.1	8.1	30.3	30.3	100.9	100.9	7.6		14.3		10		88				<0.2		1.0	
						4.1	0.4	8	20.7		8.1		30.3		100.9		7.6		14.4		10		89				<0.2		1.0	
					Bottom	7.1	0.3	358	20.7	20.7	8.1	8.1	30.3	30.3	100.7	100.7	7.6	7.6	24.2		18		90				<0.2		0.9	
						7.1	0.3	329	20.7		8.1		30.3		100.6		7.6		24.2		16		90				<0.2		1.0	
IM3	Cloudy	Moderate	10:58	8.4	Surface	1.0	0.4	340	20.8	20.8	8.0	8.0	30.1	30.1	103.3	103.3	7.7	7.7	9.7	9.2	11	14	85	88	818798	805615	<0.2	<0.2	1.0	1.0
						1.0	0.4	340	20.8		8.0		30.1		103.2		7.7		9.8		12		86				<0.2		1.0	
					Middle	4.2	0.4	335	20.8	20.8	8.0	8.0	30.1	30.1	102.0	102.0	7.7		9.5		14		88				<0.2		1.0	
						4.2	0.4	344	20.8		8.0		30.1		101.9		7.7		9.7		14		88				<0.2		1.0	
					Bottom	7.4	0.4	339	20.8	20.8	8.0	8.0	30.1	30.1	101.5	101.5	7.6	7.6	8.1		16		90				<0.2		1.0	
						7.4	0.4	312	20.8		8.0		30.1		101.5		7.6		8.4		17		90				<0.2		1.0	
IM4	Cloudy	Moderate	11:08	8.0	Surface	1.0	0.9	344	20.8	20.8	8.1	8.1	30.3	30.3	101.8	101.8	7.6	7.5	5.0	6.0	12	14	86	88	819729	804625	<0.2	<0.2	1.1	1.0
						1.0	1.0	359	20.8		8.1		30.3		101.8		7.6		5.2		11		86				<0.2		1.0	
					Middle	4.0	0.7	342	20.7	20.7	8.1	8.1	30.3	30.3	98.6	98.6	7.4		5.3		12		88				<0.2		1.0	
						4.0	0.8	315	20.7		8.1		30.3		98.6		7.4		5.4		13		89				<0.2		1.2	
					Bottom	7.0	0.6	335	20.7	20.7	8.1	8.1	30.4	30.4	100.0	100.1	7.5	7.5	7.6		17		90				<0.2		0.9	
						7.0	0.6	343	20.7		8.1		30.4		100.1		7.5		7.5		17		90				<0.2		1.0	
IM5	Cloudy	Moderate	11:13	7.3	Surface	1.0	0.9	10	20.9	20.9	8.0	8.0	30.0	30.0	103.0	103.0	7.7	7.7	13.2	14.9	12	14	85	88	820758	804868	<0.2	<0.2	1.0	1.0
						1.0	1.0	10	20.9		8.0		30.0		103.0		7.7		13.1		13		85				<0.2		1.0	
					Middle	3.7	0.9	9	20.9	20.9	8.0	8.0	30.0	30.0	102.3	102.3	7.7		14.1		14		88				<0.2		1.1	
						3.7	0.9	9	20.9		8.0		30.0		102.2		7.7		14.2		13		89				<0.2		1.0	
					Bottom	6.3	0.8	9	20.8	20.8	8.0	8.0	30.1	30.1	101.4	101.4	7.6	7.6	17.4		15		90				<0.2		1.0	
						6.3	0.8	9	20.8		8.0		30.1		101.4		7.6		17.4		15		90				<0.2		1.0	
IM6	Cloudy	Moderate	11:21	7.6	Surface	1.0	0.1	50	21.2	21.2	8.0	8.0	28.3	28.3	101.6	101.6	7.7	7.7	5.4	8.1	8	9	86	88	821059	805844	<0.2	<0.2	1.2	1.1
						1.0	0.1	51	21.2		8.0		28.3		101.6		7.7		5.4		7		86				<0.2		1.0	
					Middle	3.8	0.3	37	21.0	21.0	8.0	8.0	29.1	29.1	101.5	101.5	7.6		7.9		8		88				<0.2		1.0	
						3.8	0.4	40	21.0		8.0		29.1		101.4		7.6		8.0		8		88				<0.2		1.1	
					Bottom	6.6	0.4	44	20.9	20.9	8.0	8.0	30.0	30.0	100.6	100.6	7.5	7.5	10.9		11		89				<0.2		1.2	
						6.6	0.4	44	20.9		8.0		30.0		100.6		7.5		10.9		12		90				<0.2		1.2	
IM7	Cloudy	Moderate	11:30	8.3	Surface	1.0	0.1	223	21.2	21.2	8.0	8.0	27.2	27.2	98.4	98.5	7.5	7.6	4.1	11.3	4	6	86	88	821360	806856	<0.2	<0.2	1.2	1.2
						1.0	0.1	244	21.2		8.0		27.2		98.5		7.5		4.1		4		86				<0.2		1.1	
					Middle	4.2	0.2	115	21.1	21.1	8.1	8.1	28.3	28.3	101.2	101.2	7.6		11.8		5		88				<0.2		1.0	
						4.2	0.2	126	21.1		8.1		28.3		101.1		7.6		12.1		5		89				<0.2		1.1	
					Bottom	7.3	0.2	92	20.9	20.9	8.1	8.1	30.0	30.0	101.1	101.2	7.6	7.6	17.8		8		89				<0.2		1.5	
						7.3	0.2	95	20.9		8.1		30.0		101.2		7.6		17.9		8		90				<0.2		1.5	
IM8	Cloudy	Moderate	10:41	7.6	Surface	1.0	0.2	73	21.1	21.1	8.1	8.1	28.4	28.4	97.3	97.3	7.3	7.3	6.0	8.2	10	10	86	88	821807	808154	<0.2	<0.2	1.5	1.5
						1.0	0.2	77	21.1		8.1		28.4		97.3		7.3		6.0		10		86				<0.2		1.5	
					Middle	3.8	0.2	74	21.1	21.1	8.1	8.1	28.6	28.6	97.2	97.2	7.3		9.1		10		87				<0.2		1.5	
						3.8	0.2	77	21.1		8.1		28.6		97.2		7.3		9.1		10		88				<0.2		1.4	
					Bottom	6.6	0.1	76	21.1	21.1	8.1	8.1	28.8	28.8	98.5	98.5	7.4	7.4	9.5		9		90				<0.2		1.4	
						6.6	0.1	76	21.1		8.1		28.8		98.5		7.4		9.5		8		90				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 March 20 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	10:34	7.1	Surface	1.0	0.3	81	21.1	21.1	8.1	8.1	29.2	29.2	96.9	96.9	7.3	7.3	13.6	16.5	24	24	86	88	822105	808826	<0.2	<0.2	1.4	1.4
						1.0	0.3	84	21.1		8.1		29.2		96.9		7.3		13.6		24		87				<0.2		1.4	
					Middle	3.6	0.3	79	21.1	21.1	8.1	8.1	29.1	29.1	96.8	96.8	7.3		16.6		25		87				<0.2		1.4	
						3.6	0.3	81	21.1		8.1		29.1		96.8		7.3		16.6		24		88				<0.2		1.4	
					Bottom	6.1	0.2	71	21.0	21.0	8.1	8.1	29.1	29.1	97.8	97.8	7.4	7.4	19.4		25		90				<0.2		1.4	
						6.1	0.2	75	21.0		8.1		29.1		97.8		7.4		19.4		24		91				<0.2		1.4	
IM10	Cloudy	Moderate	10:26	8.7	Surface	1.0	0.7	304	21.0	21.0	8.1	8.1	30.0	30.0	96.1	96.1	7.2	7.2	21.0	19.1	24	21	86	88	822407	809802	<0.2	<0.2	1.3	1.3
						1.0	0.7	306	21.0		8.1		30.0		96.1		7.2		21.0		22		87				<0.2		1.4	
					Middle	4.4	0.6	301	21.0	21.0	8.1	8.1	30.0	30.0	96.2	96.2	7.2		18.8		22		89				<0.2		1.3	
						4.4	0.6	301	21.0		8.1		30.0		96.2		7.2		18.8		22		87				<0.2		1.3	
					Bottom	7.7	0.5	302	21.0	21.0	8.1	8.1	30.0	30.0	96.2	96.2	7.2	7.2	17.6		18		90				<0.2		1.4	
						7.7	0.5	310	21.0		8.1		30.0		96.2		7.2		17.6		20		91				<0.2		1.3	
IM11	Cloudy	Moderate	10:16	8.3	Surface	1.0	0.7	300	21.0	21.0	8.1	8.1	29.7	29.7	95.7	95.7	7.2	7.2	17.3	18.7	29	28	86	88	822050	811454	<0.2	<0.2	1.5	1.5
						1.0	0.7	328	21.0		8.1		29.7		95.7		7.2		17.3		29		86				<0.2		1.6	
					Middle	4.2	0.6	302	20.9	20.9	8.1	8.1	29.7	29.7	95.7	95.7	7.2		20.0		28		88				<0.2		1.6	
						4.2	0.6	305	20.9		8.1		29.7		95.7		7.2		20.0		28		87				<0.2		1.5	
					Bottom	7.3	0.4	310	20.9	20.9	8.1	8.1	29.8	29.8	95.8	95.8	7.2	7.2	18.7		28		90				<0.2		1.4	
						7.3	0.4	340	20.9		8.1		29.8		95.8		7.2		18.7		27		90				<0.2		1.5	
IM12	Cloudy	Moderate	10:09	8.4	Surface	1.0	0.8	281	20.9	20.9	8.1	8.1	30.3	30.3	96.1	96.1	7.2	7.2	12.6	13.5	19	18	86	88	821464	812039	<0.2	<0.2	1.5	1.5
						1.0	0.8	293	20.9		8.1		30.3		96.1		7.2		12.6		18		87				<0.2		1.6	
					Middle	4.2	0.7	279	20.9	20.9	8.1	8.1	30.3	30.3	96.0	96.0	7.2		13.8		19		88				<0.2		1.4	
						4.2	0.7	279	20.9		8.1		30.3		96.0		7.2		13.8		18		87				<0.2		1.4	
					Bottom	7.4	0.6	277	20.9	20.9	8.1	8.1	30.3	30.3	96.1	96.1	7.2	7.2	14.2		17		90				<0.2		1.4	
						7.4	0.7	297	20.9		8.1		30.3		96.1		7.2		14.2		17		91				<0.2		1.5	
SR1A	Cloudy	Moderate	09:49	4.5	Surface	1.0	-	-	21.0	21.0	8.1	8.1	29.9	29.9	99.1	99.1	7.4	7.4	2.4	2.5	9	7	-	-	819974	812658	-	-	-	-
						1.0	-	-	21.0		8.1		29.9		99.1		7.4		2.4		8		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	21.0	21.0	8.1	8.1	29.9	29.9	100.2	100.2	7.5	7.5	2.5		6		-				-		-	
						3.5	-	-	21.0		8.1		29.9		100.2		7.5		2.5		6		-				-		-	
SR2	Cloudy	Moderate	09:38	4.7	Surface	1.0	0.2	341	20.9	20.9	8.0	8.0	30.1	30.1	95.8	95.8	7.2	7.2	13.8	15.1	15	16	86	89	821483	814174	<0.2	<0.2	1.4	1.4
						1.0	0.2	347	20.9		8.0		30.1		95.8		7.2		13.8		15		88				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	351	20.9	20.9	7.9	7.9	30.2	30.2	97.7	97.7	7.3	7.3	16.3		17		90				<0.2		1.4	
						3.7	0.2	323	20.9		7.9		30.2		97.7		7.3		16.3		16		91				<0.2		1.3	
SR3	Cloudy	Moderate	10:48	8.8	Surface	1.0	0.3	72	21.2	21.2	8.1	8.1	27.7	27.7	95.6	95.6	7.2	7.2	2.5	3.0	3	4	-	-	822169	807590	-	-	-	-
						1.0	0.3	74	21.2		8.1		27.7		95.6		7.2		2.5		4		-				-		-	
					Middle	4.4	0.2	73	21.1	21.1	8.1	8.1	28.1	28.1	95.5	95.5	7.2		3.2		4		-				-		-	
						4.4	0.2	75	21.1		8.1		28.1		95.5		7.2		3.2		4		-				-		-	
					Bottom	7.8	0.2	55	21.1	21.1	8.1	8.1	28.1	28.1	96.1	96.1	7.3	7.3	3.3		4		-				-		-	
						7.8	0.2	58	21.1		8.1		28.1		96.1		7.3		3.3		5		-				-		-	
SR4A	Cloudy	Moderate	10:04	9.9	Surface	1.0	0.1	142	21.1	21.1	8.0	8.0	30.9	30.9	99.8	99.9	7.4	7.4	6.8	7.5	9	10	-	-	817173	807818	-	-	-	-
						1.0	0.1	149	21.1		8.0		30.9		99.9		7.4		6.9		9		-				-		-	
					Middle	5.0	0.1	83	21.1	21.1	8.0	8.0	30.9	30.9	98.8	98.8	7.3		7.8		11		-				-		-	
						5.0	0.1	86	21.1		8.0		30.9		98.8		7.3		7.8		11		-				-		-	
					Bottom	8.9	0.1	109	21.1	21.1	8.0	8.0	30.9	30.9	99.0	99.1	7.4	7.4	7.8		11		-				-		-	
						8.9	0.1	118	21.1		8.0		30.9		99.1		7.4		7.8		11		-				-		-	
SR5A	Cloudy	Moderate	09:47	4.0	Surface	1.0	0.1	255	21.0	21.0	8.1	8.1	30.6	30.6	98.2	98.3	7.3	7.3	8.7	8.6	12	13	-	-	816613	810706	-	-	-	-
						1.0	0.1	278	21.0		8.1		30.6		98.3		7.3		8.7		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	296	21.0	21.0	8.1	8.1	30.6	30.6	98.0	98.1	7.3	7.3	8.4		12		-				-		-	
						3.0	0.1	299	21.0		8.1		30.6		98.1		7.3		8.4		13		-				-		-	
SR6A	Cloudy	Moderate	09:09	4.6	Surface	1.0	0.1	227	20.8	20.8	8.2	8.2	30.0	30.0	96.8	96.8	7.3	7.3	6.5	6.2	10	10	-	-	817959	814739	-	-	-	-
						1.0	0.1	247	20.8		8.2		30.0		96.7		7.3		6.6		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	233	20.9	20.9	8.2	8.2	30.2	30.2	96.7	96.7	7.2	7.2	5.9		8		-				-		-	
						3.6	0.0	244	20.9		8.2		30.2		96.6		7.2		5.9		9		-				-		-	
SR7	Cloudy	Moderate	08:50	16.9	Surface	1.0	0.2	108	20.6	20.6	8.0	8.0	30.9	30.9	94.1	94.1	7.1	7.1	1.8	2.0	4	5	-	-	823627	823755	-	-	-	-
						1.0	0.2	118	20.6		8.0		30.9		94.1		7.1		1.8		5		-				-		-	
					Middle	8.5	0.2	67	20.6	20.6	7.9	7.9	31.3	31.3	93.2	93.2	7.0		2.0		5		-				-		-	
						8.5	0.2	71	20.6		7.9		31.3		93.2		7.0		2.0		5		-				-		-	
					Bottom	15.9	0.3	33	20.5	20.5	7.9	7.9	31.7	31.7	92.5	92.5	6.9	6.9	2.2		5		-				-		-	
						15.9	0.4	33	20.5		7.9		31.7		92.5		6.9		2.2		6		-				-		-	
SR8	Cloudy	Moderate	10:00	4.8	Surface	1.0	-	-	21.0	21.0	8.1	8.1	29.6	29.6	99.7	99.7	7.5	7.5	10.2	9.9	11	10	-	-	820366	811629	-	-	-	-
						1.0	-	-	21.0		8.1		29.6		99.7		7.5		10.2		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	21.0	21.0	8.2	8.2	29.6	29.6	102.5	102.5	7.7	7.7	9.5		10		-				-		-	
						3.8	-	-	21.0		8.2		29.6		102.5		7.7		9.5		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 17 March 20 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	19:25	7.9	Surface	1.0	0.4	211	20.5	20.5	8.3	8.3	32.7	32.7	116.6	116.5	8.7	8.6	1.3	1.7	3	3	85	88	815610	804246	<0.2	<0.2	0.8	0.8
						1.0	0.4	216	20.5		8.3		32.7		116.4		8.7		1.3		3		86				<0.2		0.8	
					Middle	4.0	0.3	207	20.5	20.5	8.3	8.3	32.8	32.8	113.3	113.3	8.4		1.5		3		88				<0.2		0.6	
						4.0	0.3	218	20.5		8.3		32.8		113.3		8.4		1.5		3		89				<0.2		0.8	
					Bottom	6.9	0.2	204	20.2	20.2	8.2	8.2	33.3	33.3	107.9	108.0	8.0	8.0	2.2		3		91				<0.2		0.7	
						6.9	0.2	205	20.2		8.2		33.3		108.0		8.0		2.3		3		91				<0.2		0.8	
C2	Cloudy	Rough	18:16	7.7	Surface	1.0	0.3	219	21.2	21.2	8.1	8.1	28.3	28.3	118.4	118.4	8.9	8.5	1.5	2.3	3	4	84	88	825687	806942	<0.2	<0.2	1.8	1.5
						1.0	0.3	237	21.2		8.1		28.3		118.3		8.9		1.5		3		84				<0.2		1.8	
					Middle	3.9	0.3	191	21.1	21.1	8.1	8.1	29.2	29.2	108.0	108.1	8.1		2.3		3		88				<0.2		1.0	
						3.9	0.3	204	21.1		8.1		29.2		108.1		8.1		2.3		4		88				<0.2		1.0	
					Bottom	6.7	0.2	192	20.7	20.7	8.0	8.0	31.1	31.0	105.3	105.4	7.9	7.9	3.0		4		91				<0.2		1.7	
						6.7	0.2	206	20.7		8.0		31.0		105.4		7.9		3.0		4		91				<0.2		1.5	
C3	Cloudy	Rough	20:16	9.7	Surface	1.0	0.4	64	20.6	20.6	8.1	8.1	31.3	31.3	108.8	108.8	8.1	7.8	1.0	1.3	3	3	83	88	822127	817787	<0.2	<0.2	1.0	1.1
						1.0	0.4	67	20.6		8.1		31.3		108.8		8.1		1.0		3		84				<0.2		1.0	
					Middle	4.9	0.4	79	20.4	20.4	8.1	8.1	32.0	32.0	99.5	99.6	7.4		1.4		3		87				<0.2		1.0	
						4.9	0.4	84	20.4		8.1		32.0		99.6		7.4		1.4		3		88				<0.2		1.1	
					Bottom	8.7	0.3	72	20.4	20.4	8.1	8.1	32.1	32.1	101.6	101.6	7.6	7.6	1.5		4		91				<0.2		1.3	
						8.7	0.3	76	20.4		8.1		32.1		101.6		7.6		1.5		4		92				<0.2		1.1	
IM1	Cloudy	Moderate	19:05	5.0	Surface	1.0	0.1	181	20.5	20.5	8.2	8.2	32.6	32.6	110.1	110.2	8.2	8.2	3.5	4.9	5	5	87	88	817963	807138	<0.2	<0.2	0.8	0.8
						1.0	0.1	189	20.5		8.2		32.6		110.3		8.2		3.5		6		87				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	174	20.4	20.4	8.2	8.2	32.8	32.8	105.6	105.6	7.9	7.9	6.2		4		88				<0.2		0.8	
						4.0	0.1	175	20.4		8.2		32.8		105.6		7.9		6.3		4		89				<0.2		0.8	
IM2	Cloudy	Moderate	18:57	6.9	Surface	1.0	0.1	180	20.4	20.4	8.2	8.2	32.5	32.5	110.4	110.4	8.2	8.1	3.6	4.8	6	6	85	88	818149	806152	<0.2	<0.2	0.7	0.8
						1.0	0.1	187	20.4		8.2		32.5		110.4		8.2		3.6		6		85				<0.2		0.8	
					Middle	3.5	0.2	152	20.3	20.3	8.2	8.2	32.9	32.9	107.6	107.5	8.0		4.6		6		88				<0.2		0.8	
						3.5	0.2	166	20.3		8.2		32.9		107.4		8.0		4.6		6		88				<0.2		0.8	
					Bottom	5.9	0.1	146	20.2	20.2	8.2	8.2	33.2	33.2	106.1	106.1	7.9	7.9	6.1		7		89				<0.2		0.8	
						5.9	0.1	152	20.2		8.2		33.2		106.0		7.9		6.2		7		90				<0.2		0.8	
IM3	Cloudy	Moderate	18:51	7.0	Surface	1.0	0.2	184	20.5	20.5	8.2	8.2	32.5	32.5	114.1	114.3	8.5	8.4	2.4	2.8	4	4	86	88	818773	805599	<0.2	<0.2	0.9	0.9
						1.0	0.2	186	20.5		8.2		32.5		114.4		8.5		2.4		4		85				<0.2		0.8	
					Middle	3.5	0.1	175	20.5	20.5	8.2	8.2	32.5	32.5	110.9	110.9	8.3		2.7		4		88				<0.2		0.8	
						3.5	0.1	190	20.5		8.2		32.5		110.9		8.3		2.7		4		88				<0.2		0.8	
					Bottom	6.0	0.2	176	20.3	20.3	8.2	8.2	33.0	33.0	107.6	107.6	8.0	8.0	3.4		5		90				<0.2		0.9	
						6.0	0.2	180	20.3		8.2		33.0		107.6		8.0		3.4		5		89				<0.2		0.9	
IM4	Cloudy	Moderate	18:40	7.7	Surface	1.0	0.2	180	20.6	20.6	8.2	8.2	31.9	31.9	113.8	113.9	8.5	8.5	2.6	3.5	5	4	85	88	819709	804596	<0.2	<0.2	1.0	1.0
						1.0	0.2	196	20.6		8.2		31.9		113.9		8.5		2.6		5		85				<0.2		1.0	
					Middle	3.9	0.2	155	20.5	20.5	8.2	8.2	32.2	32.2	112.6	112.6	8.4		3.0		4		88				<0.2		0.9	
						3.9	0.2	162	20.5		8.2		32.2		112.6		8.4		3.0		4		88				<0.2		1.0	
					Bottom	6.7	0.2	115	20.3	20.3	8.2	8.2	32.9	32.9	106.0	105.9	7.9	7.9	4.9		3		90				<0.2		1.0	
						6.7	0.2	117	20.3		8.2		32.9		105.8		7.9		4.9		3		90				<0.2		1.0	
IM5	Cloudy	Moderate	18:32	7.4	Surface	1.0	0.2	225	20.7	20.7	8.2	8.2	31.5	31.5	115.6	115.6	8.6	8.5	2.8	3.2	4	4	85	88	820713	804886	<0.2	<0.2	1.2	1.1
						1.0	0.3	237	20.7		8.2		31.5		115.5		8.6		2.8		4		85				<0.2		1.1	
					Middle	3.7	0.2	200	20.5	20.5	8.2	8.2	32.2	32.1	112.8	112.8	8.4		2.9		4		88				<0.2		1.1	
						3.7	0.2	200	20.5		8.2		32.1		112.7		8.4		2.9		4		88				<0.2		1.0	
					Bottom	6.4	0.2	157	20.4	20.4	8.2	8.2	32.8	32.8	108.6	108.7	8.1	8.1	4.0		4		90				<0.2		1.1	
						6.4	0.2	168	20.4		8.2		32.8		108.7		8.1		4.0		5		90				<0.2		1.1	
IM6	Cloudy	Moderate	18:24	7.3	Surface	1.0	0.1	235	20.8	20.8	8.2	8.2	31.2	31.2	115.5	115.5	8.6	8.6	3.2	3.9	4	4	85	88	821066	805816	<0.2	<0.2	1.1	1.1
						1.0	0.1	256	20.8		8.2		31.2		115.4		8.6		3.2		4		86				<0.2		1.2	
					Middle	3.7	0.1	194	20.6	20.6	8.2	8.2	32.0	32.0	113.8	113.8	8.5		4.0		4		88				<0.2		1.2	
						3.7	0.2	194	20.6		8.2		32.0		113.8		8.5		4.1		4		88				<0.2		1.0	
					Bottom	6.3	0.1	157	20.4	20.4	8.2	8.2	32.5	32.5	110.1	109.9	8.2	8.2	4.5		4		90				<0.2		1.1	
						6.3	0.1	164	20.4		8.2		32.5		109.7		8.2		4.5		4		90				<0.2		1.1	
IM7	Cloudy	Moderate	18:15	8.6	Surface	1.0	0.1	276	21.0	21.0	8.1	8.1	30.6	30.6	113.9	113.9	8.5	8.4	3.0	4.4	6	5	84	86	821352	806813	<0.2	<0.2	1.2	1.1
						1.0	0.1	299	21.0		8.1		30.6		113.9		8.5		3.0		5		83				<0.2		1.1	
					Middle	4.3	0.1	121	20.9	20.9	8.1	8.1	31.0	31.0	110.0	110.0	8.2		4.5		5		86				<0.2		1.1	
						4.3	0.1	130	20.9		8.1		31.0		110.0		8.2		4.4		5		87				<0.2		1.1	
					Bottom	7.6	0.0	142	20.5	20.5	8.1	8.1	32.2	32.2	105.6	105.6	7.9	7.9	5.7		4		89				<0.2		1.1	
						7.6	0.0	146	20.5		8.1		32.2		105.6		7.9		5.8		4		89				<0.2		1.0	
IM8	Cloudy	Rough	18:44	7.6	Surface	1.0	0.1	106	20.8	20.8	8.1	8.1	30.8	30.8	113.4	113.4	8.5	8.4	3.1	3.8	5	4	83	88	821849	808123	<0.2	<0.2	1.3	1.2
						1.0	0.1	116	20.8		8.1		30.8		113.3		8.5		3.1		5		84				<0.2		1.3	
					Middle	3.8	0.1	59	20.7	20.7	8.1	8.1	31.1	31.1	109.2	109.2	8.2		4.0		4		88				<0.2		1.2	
						3.8	0.1	63	20.7		8.1		31.1		109.2		8.2		4.0		4		88				<0.2		1.1	
					Bottom	6.6	0.0	334	20.5	20.5	8.1	8.1	31.8	31.8	108.7	108.8	8.1	8.1	4.4		4		92				<0.2		1.3	
						6.6	0.0	357	20.6		8.1		31.8		108.8		8.1		4.4		4		92				<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 17 March 20 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	18:52	7.3	Surface	1.0	0.2	143	21.0	21.0	8.1	8.1	30.2	30.2	113.9	113.9	8.5	8.4	2.6	4.0	5	4	84	88	822089	808787	<0.2	<0.2	1.0	1.1
						1.0	0.3	144	21.0		8.1		30.2		113.9		8.5		2.6		5		84				<0.2		1.1	
					Middle	3.7	0.3	95	20.8	20.8	8.1	8.1	30.8	30.8	109.1	109.2	8.2		4.7		4		88				<0.2		1.0	
						3.7	0.3	100	20.8		8.1		30.9		109.2		8.2		4.7		4		88				<0.2		1.0	
					Bottom	6.3	0.2	90	20.6	20.6	8.1	8.1	31.7	31.7	108.2	108.2	8.1	8.1	4.8		4		91				<0.2		1.2	
						6.3	0.2	97	20.6		8.1		31.7		108.1		8.1		4.8		4		91				<0.2		1.2	
IM10	Cloudy	Rough	19:01	7.1	Surface	1.0	0.4	101	20.8	20.8	8.1	8.1	30.4	30.4	108.1	108.1	8.1	8.0	2.2	2.8	6	5	83	88	822394	809794	<0.2	<0.2	1.4	1.3
						1.0	0.5	107	20.8		8.1		30.4		108.0		8.1		2.2		6		84				<0.2		1.2	
					Middle	3.6	0.4	107	20.8	20.8	8.1	8.1	30.5	30.5	104.5	104.5	7.8		2.9		5		87				<0.2		1.2	
						3.6	0.4	110	20.8		8.1		30.5		104.5		7.8		2.9		5		87				<0.2		1.3	
					Bottom	6.1	0.3	88	20.7	20.7	8.1	8.1	31.2	31.2	104.8	104.8	7.8	7.8	3.5		4		92				<0.2		1.2	
						6.1	0.3	92	20.7		8.1		31.1		104.8		7.8		3.3		4		92				<0.2		1.2	
IM11	Cloudy	Rough	19:13	8.8	Surface	1.0	0.5	109	20.8	20.8	8.1	8.1	30.7	30.7	108.4	108.4	8.1	7.9	3.9	6.3	13	12	83	87	822053	811476	<0.2	<0.2	1.0	1.0
						1.0	0.6	113	20.8		8.1		30.7		108.4		8.1		4.0		13		83				<0.2		1.1	
					Middle	4.4	0.4	117	20.7	20.7	8.1	8.1	31.1	31.1	102.3	102.3	7.7		7.1		12		88				<0.2		1.0	
						4.4	0.4	119	20.7		8.1		31.1		102.3		7.7		7.2		12		88				<0.2		1.0	
					Bottom	7.8	0.3	100	20.6	20.6	8.1	8.1	31.2	31.2	102.5	102.5	7.7	7.7	7.6		11		91				<0.2		1.0	
						7.8	0.3	101	20.6		8.1		31.2		102.5		7.7		7.7		11		91				<0.2		1.0	
IM12	Cloudy	Rough	19:21	8.4	Surface	1.0	0.4	96	20.7	20.7	8.1	8.1	30.8	30.8	103.0	103.0	7.7	7.7	3.3	4.2	10	7	83	88	821442	812033	<0.2	<0.2	1.1	1.0
						1.0	0.4	104	20.7		8.1		30.8		102.9		7.7		3.3		9		84				<0.2		1.0	
					Middle	4.2	0.3	89	20.7	20.7	8.1	8.1	30.9	30.9	101.5	101.5	7.6		4.0		7		87				<0.2		1.0	
						4.2	0.3	92	20.7		8.1		30.9		101.4		7.6		4.1		7		87				<0.2		1.0	
					Bottom	7.4	0.2	85	20.7	20.7	8.1	8.1	31.1	31.1	100.8	100.9	7.5	7.5	5.2		5		92				<0.2		1.0	
						7.4	0.2	85	20.7		8.1		31.1		100.9		7.5		5.2		5		92				<0.2		1.0	
SR1A	Cloudy	Rough	19:44	3.8	Surface	1.0	-	-	20.8	20.8	8.1	8.1	30.8	30.8	103.1	103.2	7.7	7.7	1.6	1.9	5	6	-	-	819976	812659	-	-	-	-
						1.0	-	-	20.8		8.1		30.8		103.3		7.7		1.7		5		-				-		-	
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	-	-	20.8	20.8	8.1	8.1	30.9	30.9	103.2	103.2	7.7	7.7	2.1		6		-				-		-	
						2.8	-	-	20.8		8.1		30.9		103.2		7.7		2.0		6		-				-		-	
SR2	Cloudy	Rough	19:57	5.0	Surface	1.0	0.4	92	20.7	20.7	8.1	8.1	31.0	31.0	104.1	104.2	7.8	7.8	2.7	3.3	5	5	83	86	821447	814157	<0.2	<0.2	1.1	1.1
						1.0	0.4	98	20.7		8.1		31.0		104.2		7.8		2.6		5		84				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	94	20.7	20.7	8.0	8.0	31.2	31.2	102.3	102.3	7.7	7.7	3.8		5		89				<0.2		1.1	
						4.0	0.3	94	20.7		8.0		31.2		102.2		7.6		3.9		5		89				<0.2		1.2	
SR3	Cloudy	Rough	18:38	8.0	Surface	1.0	0.2	247	21.0	21.0	8.1	8.1	29.9	29.9	112.7	112.7	8.4	8.2	2.2	3.0	4	3	-	-	822133	807573	-	-	-	-
						1.0	0.2	257	21.0		8.1		29.9		112.6		8.4		2.2		4		-				-		-	
					Middle	4.0	0.1	211	20.8	20.8	8.1	8.1	30.9	30.9	106.4	106.5	8.0		3.1		3		-				-		-	
						4.0	0.1	228	20.8		8.1		30.9		106.6		8.0		3.1		3		-				-		-	
					Bottom	7.0	0.1	83	20.6	20.6	8.1	8.1	31.5	31.5	106.9	106.8	8.0	8.0	3.7		2		-				-		-	
						7.0	0.1	88	20.6		8.1		31.5		106.7		8.0		3.8		3		-				-		-	
SR4A	Cloudy	Calm	19:47	8.2	Surface	1.0	0.2	85	20.5	20.5	8.2	8.2	32.6	32.6	108.9	108.9	8.1	8.1	4.0	4.5	8	7	-	-	817203	807792	-	-	-	-
						1.0	0.3	87	20.5		8.2		32.6		108.8		8.1		4.0		7		-				-		-	
					Middle	4.1	0.2	88	20.4	20.4	8.2	8.2	32.7	32.7	107.4	107.4	8.0		4.5		7		-				-		-	
						4.1	0.2	89	20.4		8.2		32.7		107.3		8.0		4.5		7		-				-		-	
					Bottom	7.2	0.1	87	20.4	20.4	8.2	8.2	32.9	32.9	105.2	105.2	7.8	7.8	5.0		7		-				-		-	
						7.2	0.1	91	20.4		8.2		32.9		105.1		7.8		5.1		7		-				-		-	
SR5A	Cloudy	Calm	20:07	3.7	Surface	1.0	0.1	283	20.9	20.9	8.2	8.2	31.6	31.6	108.3	108.1	8.0	8.0	3.7	3.8	7	7	-	-	816572	810677	-	-	-	-
						1.0	0.1	310	20.9		8.2		31.6		107.9		8.0		3.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	269	20.7	20.7	8.2	8.2	32.0	32.0	104.2	104.1	7.8	7.8	3.9		8		-				-		-	
						2.7	0.0	295	20.7		8.2		32.0		104.0		7.7		3.9		8		-				-		-	
SR6A	Cloudy	Calm	20:47	4.0	Surface	1.0	0.1	45	20.9	20.9	8.1	8.1	31.0	31.0	103.3	103.2	7.7	7.7	6.2	7.3	8	9	-	-	817949	814724	-	-	-	-
						1.0	0.1	47	20.9		8.1		31.0		103.1		7.7		6.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	339	20.8	20.8	8.1	8.1	31.2	31.2	100.6	100.6	7.5	7.5	8.0		9		-				-		-	
						3.0	0.0	312	20.8		8.1		31.2		100.5		7.5		8.7		9		-				-		-	
SR7	Cloudy	Rough	20:44	15.8	Surface	1.0	0.6	91	20.4	20.4	8.1	8.1	32.1	32.1	99.3	99.4	7.4	7.3	0.8	1.2	4	4	-	-	823632	823725	-	-	-	-
						1.0	0.6	93	20.4		8.1		32.1		99.5		7.4		0.9		4		-				-		-	
					Middle	7.9	0.4	65	20.3	20.3	8.1	8.1	32.5	32.5	96.6	96.6	7.2		1.3		4		-				-		-	
						7.9	0.4	70	20.3		8.1		32.5		96.6		7.2		1.3		4		-				-		-	
					Bottom	14.8	0.3	44	20.3	20.3	8.1	8.1	32.5	32.5	98.6	98.6	7.4	7.4	1.4		3		-				-		-	
						14.8	0.4	47	20.3		8.1		32.5		98.5		7.4		1.4		3		-				-		-	
SR8	Cloudy	Rough	19:33	4.7	Surface	1.0	-	-	21.4	21.4	8.1	8.1	30.8	30.8	104.6	104.6	7.7	7.7	5.4	5.5	7	8	-	-	820379	811640	-	-	-	-
						1.0	-	-	21.4		8.1		30.8		104.5		7.7		5.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	20.7	20.7	8.1	8.1	31.0	31.0	102.7	102.7	7.7	7.7	5.5		8		-				-		-	
						3.7	-	-	20.8		8.1		31.0		102.7		7.7		5.5		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 17 March 20 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	07:30	8.1	Surface	1.0	0.2	13	20.3	20.3	8.1	8.1	32.2	32.2	108.5	108.6	8.1	8.1	2.1	2.5	6	5	84	87	815627	804266	<0.2	<0.2	0.8	0.8
						1.0	0.3	14	20.3		8.1		32.2		108.6		8.1		2.1		6		83				<0.2		0.7	
					Middle	4.1	0.1	37	20.3	20.3	8.1	8.1	32.3	32.3	108.8	108.8	8.1		2.3		4		88				<0.2		0.8	
						4.1	0.1	37	20.3		8.1		32.3		108.8		8.1		2.3		4		88				<0.2		0.6	
					Bottom	7.1	0.0	38	20.3	20.3	8.1	8.1	33.0	33.0	107.3	107.3	8.0	8.0	3.0		4		90				<0.2		0.8	
						7.1	0.0	41	20.3		8.1		33.0		107.3		8.0		2.9		4		91				<0.2		0.9	
C2	Fine	Rough	08:06	7.9	Surface	1.0	0.1	196	21.2	21.2	7.9	7.9	27.7	27.7	101.9	102.0	7.7	7.7	2.3	2.0	4	4	83	88	825693	806958	<0.2	<0.2	1.5	1.3
						1.0	0.1	200	21.2		7.9		27.7		102.0		7.7		2.3		5		84				<0.2		1.4	
					Middle	4.0	0.1	169	21.2	21.2	7.9	7.9	27.8	27.8	102.2	102.3	7.7		2.1		4		90				<0.2		1.3	
						4.0	0.2	173	21.2		7.9		27.8		102.3		7.7		2.1		4		90				<0.2		1.2	
					Bottom	6.9	0.1	130	21.0	21.0	7.9	7.9	29.9	29.9	103.0	103.1	7.7	7.7	1.7		3		91				<0.2		1.3	
						6.9	0.1	139	21.1		7.9		29.9		103.1		7.7		1.7		3		92				<0.2		1.3	
C3	Fine	Rough	06:04	10.2	Surface	1.0	0.1	200	20.5	20.5	7.8	7.8	31.5	31.5	100.5	100.5	7.5	7.4	1.1	1.2	3	2	84	87	822112	817789	<0.2	<0.2	0.8	0.8
						1.0	0.1	209	20.5		7.8		31.5		100.4		7.5		1.0		3		84				<0.2		0.8	
					Middle	5.1	0.1	246	20.4	20.4	7.8	7.8	32.0	32.0	96.9	96.9	7.2		1.2		2		87				<0.2		0.8	
						5.1	0.1	254	20.4		7.8		32.0		96.9		7.2		1.1		2		87				<0.2		0.8	
					Bottom	9.2	0.1	270	20.4	20.4	7.8	7.8	32.3	32.3	99.5	99.6	7.4	7.4	1.4		<2		91				<0.2		0.7	
						9.2	0.1	293	20.4		7.8		32.3		99.7		7.4		1.4		<2		91				<0.2		0.7	
IM1	Cloudy	Moderate	07:53	4.9	Surface	1.0	0.0	282	20.4	20.4	8.1	8.1	32.4	32.4	109.7	109.7	8.2	8.2	3.4	3.6	4	6	86	87	817926	807117	<0.2	<0.2	0.8	0.7
						1.0	0.0	299	20.4		8.1		32.4		109.6		8.2		3.4		5		86				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	106	20.4	20.4	8.1	8.1	32.5	32.5	109.0	108.9	8.1	8.1	3.7		7		89				<0.2		0.7	
						3.9	0.0	109	20.4		8.1		32.5		108.8		8.1		3.7		7		88				<0.2		0.6	
IM2	Cloudy	Moderate	08:01	6.6	Surface	1.0	0.1	282	20.4	20.4	8.2	8.2	32.4	32.4	109.5	109.4	8.2	8.2	4.1	5.1	6	6	84	87	818180	806186	<0.2	<0.2	0.7	0.7
						1.0	0.1	300	20.4		8.2		32.4		109.3		8.2		4.1		6		84				<0.2		0.7	
					Middle	3.3	0.1	51	20.4	20.4	8.2	8.2	32.4	32.4	109.2	109.3	8.1		5.0		6		88				<0.2		0.7	
						3.3	0.1	55	20.4		8.2		32.4		109.3		8.2		5.0		6		87				<0.2		0.7	
					Bottom	5.6	0.1	73	20.4	20.4	8.2	8.2	32.8	32.8	108.4	108.4	8.1	8.1	6.2		7		89				<0.2		0.6	
						5.6	0.1	73	20.4		8.2		32.8		108.3		8.1		6.2		7		90				<0.2		0.7	
IM3	Cloudy	Moderate	08:13	6.7	Surface	1.0	0.1	329	20.4	20.4	8.3	8.3	32.3	32.3	109.3	109.4	8.2	8.2	3.6	5.1	5	5	84	86	818785	805590	<0.2	<0.2	0.7	0.7
						1.0	0.1	336	20.4		8.3		32.3		109.5		8.2		3.6		5		83				<0.2		0.7	
					Middle	3.4	0.0	5	20.4	20.4	8.2	8.2	32.3	32.3	109.4	109.5	8.2		4.8		5		87				<0.2		0.7	
						3.4	0.0	5	20.4		8.2		32.3		109.5		8.2		4.8		5		86				<0.2		0.7	
					Bottom	5.7	0.1	70	20.4	20.4	8.2	8.2	32.8	32.8	108.3	108.3	8.1	8.1	6.8		5		89				<0.2		0.7	
						5.7	0.1	73	20.4		8.2		32.8		108.2		8.1		6.8		5		89				<0.2		0.8	
IM4	Cloudy	Moderate	08:24	7.4	Surface	1.0	0.2	283	20.4	20.4	8.3	8.3	31.8	31.8	109.0	109.1	8.2	8.2	3.0	3.6	5	4	83	86	819708	804585	<0.2	<0.2	0.7	0.8
						1.0	0.2	310	20.4		8.3		31.8		109.1		8.2		3.0		5		83				<0.2		0.8	
					Middle	3.7	0.1	318	20.4	20.4	8.3	8.3	32.3	32.3	109.0	109.1	8.1		3.7		4		86				<0.2		1.0	
						3.7	0.1	321	20.4		8.3		32.3		109.1		8.1		3.7		4		87				<0.2		0.8	
					Bottom	6.4	0.1	13	20.4	20.4	8.3	8.3	32.5	32.5	106.5	106.5	7.9	7.9	3.9		4		89				<0.2		0.8	
						6.4	0.1	13	20.4		8.3		32.5		106.4		7.9		4.0		4		88				<0.2		0.7	
IM5	Cloudy	Moderate	08:32	7.0	Surface	1.0	0.1	287	20.8	20.8	8.2	8.2	30.3	30.3	109.2	109.2	8.2	8.2	3.0	3.6	5	4	83	86	820720	804867	<0.2	<0.2	1.1	1.1
						1.0	0.2	306	20.8		8.2		30.3		109.2		8.2		3.0		5		83				<0.2		1.1	
					Middle	3.5	0.1	3	20.4	20.4	8.3	8.3	32.3	32.3	109.8	109.8	8.2		3.5		4		87				<0.2		1.1	
						3.5	0.1	3	20.4		8.3		32.3		109.7		8.2		3.6		4		86				<0.2		1.1	
					Bottom	6.0	0.1	61	20.4	20.4	8.3	8.3	32.6	32.6	108.3	108.3	8.1	8.1	4.2		4		89				<0.2		1.1	
						6.0	0.1	61	20.4		8.3		32.6		108.3		8.1		4.1		4		88				<0.2		1.0	
IM6	Cloudy	Moderate	08:40	6.9	Surface	1.0	0.1	235	20.9	20.9	8.2	8.2	29.8	29.8	108.7	108.8	8.2	8.2	3.3	4.1	4	4	82	86	821069	805810	<0.2	<0.2	1.4	1.3
						1.0	0.1	241	20.9		8.2		29.8		108.8		8.2		3.3		4		83				<0.2		1.3	
					Middle	3.5	0.1	115	20.6	20.6	8.3	8.3	31.8	31.8	109.3	109.4	8.2		4.3		4		86				<0.2		1.2	
						3.5	0.1	124	20.6		8.3		31.8		109.4		8.2		4.4		3		87				<0.2		1.2	
					Bottom	5.9	0.1	95	20.5	20.5	8.3	8.3	32.4	32.4	107.4	107.3	8.0	8.0	4.6		3		88				<0.2		1.3	
						5.9	0.1	96	20.5		8.3		32.4		107.2		8.0		4.6		3		89				<0.2		1.2	
IM7	Cloudy	Moderate	08:48	8.3	Surface	1.0	0.2	249	21.0	21.0	8.2	8.2	29.6	29.6	108.9	108.9	8.2	8.2	3.1	3.8	4	6	83	86	821336	806819	<0.2	<0.2	1.3	1.3
						1.0	0.2	273	21.0		8.2		29.6		108.9		8.2		3.1		4		83				<0.2		1.3	
					Middle	4.2	0.1	128	20.8	20.8	8.3	8.3	30.8	30.8	108.4	108.4	8.1		3.5		5		86				<0.2		1.2	
						4.2	0.1	137	20.8		8.3		30.8		108.4		8.1		3.5		5		86				<0.2		1.4	
					Bottom	7.3	0.2	68	20.5	20.5	8.3	8.3	32.3	32.3	107.4	107.4	8.0	8.0	4.9		8		88				<0.2		1.3	
						7.3	0.2	74	20.5		8.3		32.3		107.4		8.0		4.9		8		88				<0.2		1.3	
IM8	Fine	Rough	07:39	7.4	Surface	1.0	0.2	241	21.0	21.0	7.9	7.9	29.1	29.1	107.5	107.5	8.1	8.0	4.3	4.8	7	6	85	89	821845	808142	<0.2	<0.2	1.4	1.3
						1.0	0.2	253	21.0		7.9		29.1		107.5		8.1		4.3		7		86				<0.2		1.5	
					Middle	3.7	0.1	263	21.0	21.0	7.9	7.9	29.3	29.3	105.2	105.3	7.9		4.7		6		90				<0.2		1.2	
						3.7	0.2	277	21.0		7.9		29.3		105.3		7.9		4.7		6		90				<0.2		1.5	
					Bottom	6.4	0.0	94	20.8	20.8	7.9	7.9	31.1	31.1	105.2	105.2	7.9	7.9	5.3		6		91				<0.2		1.2	
						6.4	0.0	101	20.8		7.9		31.1		105.1		7.8		5.3		6		91				<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 17 March 20 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	07:31	7.0	Surface	1.0	0.1	81	21.1	21.1	7.9	7.9	28.9	28.9	106.9	107.0	8.0	8.0	2.9	3.3	5	4	84	88	822079	808825	<0.2	<0.2	1.3	1.2
						1.0	0.1	85	21.1		7.9		28.9		107.0		8.0		2.9		5		84				<0.2		1.3	
					Middle	3.5	0.1	69	21.1	21.1	7.9	7.9	28.9	28.9	105.4	105.4	7.9		3.2		4		90				<0.2		1.3	
						3.5	0.1	73	21.1		7.9		28.9		105.4		7.9		3.2		4		89				<0.2		1.1	
					Bottom	6.0	0.1	315	20.9	20.9	7.9	7.9	30.0	30.1	105.2	105.3	7.9	7.9	3.7		4		91				<0.2		1.0	
						6.0	0.1	344	20.9		7.9		30.1		105.3		7.9		3.8		4		91				<0.2		1.0	
IM10	Fine	Rough	07:21	7.4	Surface	1.0	0.2	78	21.0	21.0	7.9	7.9	29.1	29.1	106.6	106.6	8.0	7.9	5.2	4.4	8	6	84	88	822378	809784	<0.2	<0.2	1.1	1.4
						1.0	0.2	78	21.0		7.9		29.1		106.6		8.0		5.2		8		84				<0.2		1.1	
					Middle	3.7	0.1	113	20.8	20.8	7.9	7.9	30.0	30.0	103.3	103.4	7.8		3.9		6		90				<0.2		1.0	
						3.7	0.1	114	20.8		7.9		30.0		103.4		7.8		3.9		6		89				<0.2		1.7	
					Bottom	6.4	0.1	245	20.7	20.7	7.9	7.9	30.7	30.7	104.6	104.6	7.8	7.8	4.1		5		91				<0.2		1.6	
						6.4	0.1	256	20.7		7.9		30.7		104.6		7.8		4.1		5		92				<0.2		1.6	
IM11	Fine	Rough	07:10	8.3	Surface	1.0	0.1	244	20.6	20.6	7.9	7.9	30.9	30.9	102.0	102.0	7.6	7.5	2.9	3.3	6	5	85	88	822038	811448	<0.2	<0.2	1.1	1.1
						1.0	0.1	256	20.6		7.9		30.9		101.9		7.6		2.9		6		86				<0.2		1.2	
					Middle	4.2	0.1	284	20.6	20.6	7.9	7.9	30.9	30.9	98.9	98.9	7.4		3.0		5		87				<0.2		1.2	
						4.2	0.1	288	20.6		7.9		30.9		98.8		7.4		3.0		5		88				<0.2		1.1	
					Bottom	7.3	0.1	272	20.6	20.6	7.9	7.9	31.4	31.4	101.0	101.1	7.6	7.6	3.9		5		91				<0.2		1.2	
						7.3	0.1	289	20.6		7.9		31.4		101.2		7.6		3.8		5		91				<0.2		1.0	
IM12	Fine	Rough	07:02	7.8	Surface	1.0	0.1	312	20.7	20.7	7.9	7.9	30.8	30.8	103.2	103.2	7.7	7.6	2.3	2.9	2	4	83	88	821456	812057	<0.2	<0.2	1.0	1.1
						1.0	0.1	331	20.7		7.9		30.8		103.2		7.7		2.3		3		84				<0.2		1.0	
					Middle	3.9	0.1	300	20.7	20.7	7.9	7.9	30.9	30.9	100.1	100.2	7.5		2.6		4		90				<0.2		1.2	
						3.9	0.1	329	20.7		7.9		30.9		100.2		7.5		2.7		4		90				<0.2		1.1	
					Bottom	6.8	0.1	148	20.6	20.6	7.9	7.9	31.3	31.3	103.1	103.1	7.7	7.7	3.6		5		91				<0.2		1.2	
						6.8	0.1	158	20.6		7.9		31.3		103.1		7.7		3.6		5		91				<0.2		1.0	
SR1A	Fine	Rough	06:39	3.5	Surface	1.0	-	-	20.8	20.8	7.9	7.9	30.6	30.6	102.0	102.1	7.6	7.6	2.5	3.6	4	4	-	-	819980	812659	-	-	-	-
						1.0	-	-	20.8		7.9		30.6		102.1		7.6		2.5		4		-				-		-	
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						1.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	-	-	20.9	20.8	7.9	7.9	30.6	30.6	104.2	104.2	7.8	7.8	4.6		3		-				-		-	
						2.5	-	-	20.8		7.9		30.6		104.2		7.8		4.6		3		-				-		-	
SR2	Fine	Rough	06:25	3.9	Surface	1.0	0.2	311	20.6	20.6	7.9	7.9	30.8	30.8	102.9	102.9	7.7	7.7	1.9	2.1	3	4	84	87	821467	814167	<0.2	<0.2	1.1	1.1
						1.0	0.2	332	20.6		7.9		30.8		102.9		7.7		1.9		3		84				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	307	20.6	20.6	7.9	7.9	30.9	30.9	101.6	101.8	7.6	7.6	2.3		4		90				<0.2		1.1	
						2.9	0.1	317	20.6		7.9		30.9		101.9		7.6		2.3		4		91				<0.2		1.0	
SR3	Fine	Rough	07:45	7.8	Surface	1.0	0.1	247	21.1	21.1	7.8	7.8	28.7	28.7	105.1	105.1	7.9	8.0	2.3	3.6	5	4	-	-	822126	807572	-	-	-	-
						1.0	0.1	249	21.1		7.8		28.7		105.1		7.9		2.4		5		-				-		-	
					Middle	3.9	0.1	215	21.1	21.1	7.9	7.9	29.4	29.4	106.2	106.3	8.0		3.5		4		-				-		-	
						3.9	0.1	230	21.1		7.9		29.4		106.3		8.0		3.5		4		-				-		-	
					Bottom	6.8	0.2	5	20.7	20.7	7.9	7.9	31.0	31.0	106.4	106.3	8.0	8.0	5.1		4		-				-		-	
						6.8	0.2	5	20.7		7.9		31.0		106.2		7.9		5.0		4		-				-		-	
SR4A	Cloudy	Calm	07:08	9.2	Surface	1.0	0.2	79	20.4	20.4	8.2	8.2	32.2	32.2	110.4	110.4	8.2	8.2	3.3	4.0	4	5	-	-	817190	807796	-	-	-	-
						1.0	0.2	82	20.4		8.2		32.2		110.4		8.2		3.2		4		-				-		-	
					Middle	4.6	0.2	73	20.4	20.4	8.2	8.2	32.2	32.2	109.6	109.7	8.2		3.7		4		-				-		-	
						4.6	0.2	75	20.4		8.2		32.2		109.7		8.2		3.7		4		-				-		-	
					Bottom	8.2	0.2	55	20.4	20.4	8.2	8.2	32.5	32.5	108.4	108.5	8.1	8.1	4.8		6		-				-		-	
						8.2	0.2	58	20.4		8.2		32.5		108.6		8.1		5.0		6		-				-		-	
SR5A	Cloudy	Calm	06:48	3.8	Surface	1.0	0.1	259	20.9	20.9	8.1	8.1	31.4	31.4	109.7	109.7	8.2	8.2	3.9	4.1	5	5	-	-	816584	810689	-	-	-	-
						1.0	0.1	260	20.9		8.1		31.4		109.7		8.2		4.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	249	20.9	20.9	8.1	8.1	31.4	31.4	108.8	108.9	8.1	8.1	4.2		5		-				-		-	
						2.8	0.1	259	20.9		8.1		31.4		108.9		8.1		4.2		5		-				-		-	
SR6A	Cloudy	Calm	06:18	3.9	Surface	1.0	0.0	216	20.7	20.7	8.0	8.0	31.2	31.2	103.5	103.6	7.7	7.7	2.9	3.5	4	5	-	-	817970	814760	-	-	-	-
						1.0	0.0	219	20.7		8.0		31.2		103.7		7.7		2.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	257	20.8	20.8	8.0	8.0	31.3	31.3	103.2	103.2	7.7	7.7	4.0		5		-				-		-	
						2.9	0.0	266	20.8		8.0		31.3		103.1		7.7		4.0		5		-				-		-	
SR7	Fine	Moderate	05:25	17.3	Surface	1.0	0.1	288	20.3	20.3	7.9	7.9	32.3	32.3	97.5	97.5	7.3	7.3	1.3	1.5	4	3	-	-	823622	823727	-	-	-	-
						1.0	0.1	307	20.3		7.9		32.3		97.5		7.3		1.3		4		-				-		-	
					Middle	8.7	0.1	70	20.3	20.3	7.9	7.9	32.4	32.4	96.6	96.6	7.2		1.5		3		-				-		-	
						8.7	0.2	72	20.3		7.9		32.4		96.5		7.2		1.5		3		-				-		-	
					Bottom	16.3	0.1	63	20.2	20.2	7.9	7.9	32.6	32.6	95.6	95.7	7.2	7.2	1.6		2		-				-		-	
						16.3	0.1	67	20.2		7.9		32.6		95.8		7.2		1.8		2		-				-		-	
SR8	Fine	Rough	06:51	4.0	Surface	1.0	-	-	21.1	21.1	7.9	7.9	30.7	30.7	104.8	104.8	7.8	7.8	2.3	2.6	4	5	-	-	820373	811635	-	-	-	-
						1.0	-	-	21.1		7.9		30.7		104.8		7.8		2.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	21.0	21.0	7.9	7.9	30.7	30.7	104.5	104.6	7.8	7.8	2.8		5		-				-		-	
						3.0	-	-	21.0		7.9		30.7		104.6		7.8		2.8		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 19 March 20 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	10:45	8.1	Surface	1.0	0.1	74	20.5	20.5	8.1	8.1	30.0	30.0	106.2	106.3	8.0	7.9	1.8	2.6	2	4	86	88	815614	804251	<0.2	<0.2	1.3	1.3
						1.0	0.1	75	20.5		8.1		30.0		106.3		8.0		1.8		4		86				<0.2		1.3	
					Middle	4.1	0.1	105	20.2	20.2	8.1	8.1	32.2	32.2	104.2	104.2	7.8		2.2		3		89				<0.2		1.2	
						4.1	0.1	109	20.2		8.1		32.2		104.2		7.8		2.1		4		89				<0.2		1.3	
					Bottom	7.1	0.0	85	20.1	20.1	8.1	8.1	33.1	33.1	101.3	101.4	7.6	7.6	3.9		5		90				<0.2		1.4	
						7.1	0.0	86	20.1		8.1		33.1		101.4		7.6		3.9		4		90				<0.2		1.3	
C2	Cloudy	Moderate	12:18	12.1	Surface	1.0	0.1	183	21.0	21.0	7.9	7.9	26.4	26.5	100.1	99.8	7.6	7.5	2.6	3.5	4	4	85	88	825665	806939	<0.2	<0.2	1.0	1.0
						1.0	0.1	191	21.0		7.9		26.5		99.5		7.6		2.7		4		86				<0.2		0.9	
					Middle	6.1	0.1	170	20.7	20.7	7.9	7.9	29.4	29.4	96.5	96.4	7.3		3.6		4		89				<0.2		1.0	
						6.1	0.1	176	20.7		7.9		29.4		96.3		7.3		3.8		4		89				<0.2		1.0	
					Bottom	11.1	0.1	307	20.6	20.6	7.9	7.9	31.1	31.1	97.9	98.2	7.3	7.4	4.1		4		89				<0.2		1.0	
						11.1	0.1	334	20.6		7.9		31.1		98.4		7.4		3.9		4		90				<0.2		1.0	
C3	Cloudy	Moderate	09:58	12.2	Surface	1.0	0.2	38	20.4	20.4	7.9	7.9	31.7	31.7	95.7	95.7	7.2	7.1	1.9	2.8	4	5	85	87	822099	817805	<0.2	<0.2	0.9	0.9
						1.0	0.2	40	20.4		7.9		31.7		95.6		7.2		2.0		4		85				<0.2		0.9	
					Middle	6.1	0.0	330	20.1	20.1	7.9	7.9	32.7	32.7	93.7	93.8	7.0		2.6		5		86				<0.2		0.9	
						6.1	0.0	340	20.1		7.9		32.7		93.8		7.0		2.6		4		87				<0.2		0.8	
					Bottom	11.2	0.1	223	20.1	20.1	7.9	7.9	32.8	32.8	93.9	93.9	7.0	7.0	3.8		4		89				<0.2		0.9	
						11.2	0.1	233	20.1		7.9		32.8		93.8		7.0		3.8		6		89				<0.2		0.9	
IM1	Cloudy	Moderate	11:05	4.6	Surface	1.0	0.1	182	20.5	20.5	8.1	8.1	31.0	31.0	101.8	101.8	7.6	7.6	2.6	2.8	4	3	87	88	817935	807114	<0.2	<0.2	1.2	1.2
						1.0	0.1	185	20.5		8.1		31.0		101.8		7.6		2.6		3		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	188	20.5	20.5	8.1	8.1	31.3	31.3	98.6	98.6	7.4	7.4	2.9		3		88				<0.2		1.2	
						3.6	0.1	203	20.5		8.1		31.3		98.5		7.4		2.9		3		89				<0.2		1.1	
IM2	Cloudy	Moderate	11:13	6.6	Surface	1.0	0.1	81	20.7	20.7	8.2	8.2	29.8	29.8	106.2	106.2	8.0	7.9	1.9	3.0	4	3	85	88	818156	806146	<0.2	<0.2	1.2	1.2
						1.0	0.1	81	20.7		8.2		29.8		106.2		8.0		2.0		3		85				<0.2		1.2	
					Middle	3.3	0.1	166	20.4	20.4	8.2	8.2	31.3	31.3	102.8	102.8	7.7		3.1		3		88				<0.2		1.2	
						3.3	0.1	180	20.4		8.2		31.3		102.7		7.7		3.1		3		88				<0.2		1.2	
					Bottom	5.6	0.1	172	20.4	20.4	8.2	8.2	32.1	32.1	98.5	98.5	7.4	7.4	3.9		3		89				<0.2		1.2	
						5.6	0.1	182	20.4		8.2		32.1		98.4		7.4		3.9		3		90				<0.2		1.2	
IM3	Cloudy	Moderate	11:20	6.8	Surface	1.0	0.1	106	20.7	20.7	8.2	8.2	29.9	29.9	105.5	105.4	7.9	7.8	2.3	2.9	4	4	85	87	818782	805571	<0.2	<0.2	1.2	1.2
						1.0	0.1	114	20.7		8.2		29.9		105.3		7.9		2.3		4		85				<0.2		1.1	
					Middle	3.4	0.0	34	20.4	20.4	8.2	8.2	31.5	31.5	102.5	102.5	7.7		3.0		4		88				<0.2		1.2	
						3.4	0.0	36	20.4		8.2		31.5		102.4		7.7		3.0		3		87				<0.2		1.2	
					Bottom	5.8	0.1	186	20.4	20.4	8.2	8.2	32.0	32.0	98.1	98.1	7.3	7.3	3.4		3		89				<0.2		1.2	
						5.8	0.1	198	20.4		8.2		32.0		98.0		7.3		3.4		3		89				<0.2		1.1	
IM4	Cloudy	Moderate	11:30	7.9	Surface	1.0	0.1	167	20.7	20.7	8.2	8.2	29.8	29.8	104.8	104.8	7.9	7.8	2.3	3.3	3	3	85	87	819702	804585	<0.2	<0.2	1.3	1.3
						1.0	0.1	167	20.7		8.2		29.8		104.8		7.9		2.3		4		85				<0.2		1.2	
					Middle	4.0	0.1	152	20.4	20.4	8.2	8.2	31.7	31.7	102.9	102.9	7.7		3.4		3		88				<0.2		1.2	
						4.0	0.1	163	20.4		8.2		31.7		102.9		7.7		3.4		3		88				<0.2		1.3	
					Bottom	6.9	0.1	136	20.4	20.4	8.2	8.2	32.0	32.0	101.3	101.1	7.6	7.6	4.2		3		89				<0.2		1.3	
						6.9	0.1	136	20.4		8.2		32.0		100.9		7.5		4.2		3		89				<0.2		1.2	
IM5	Cloudy	Moderate	11:43	7.1	Surface	1.0	0.2	215	20.6	20.6	8.2	8.2	30.0	30.1	101.0	101.2	7.6	7.6	5.4	8.9	4	4	84	87	820719	804852	<0.2	<0.2	1.3	1.4
						1.0	0.2	235	20.6		8.2		30.1		101.3		7.6		5.5		4		85				<0.2		1.4	
					Middle	3.6	0.3	200	20.5	20.5	8.2	8.2	31.4	31.4	100.3	100.3	7.5		10.9		4		88				<0.2		1.3	
						3.6	0.3	215	20.5		8.2		31.4		100.2		7.5		11.0		4		88				<0.2		1.5	
					Bottom	6.1	0.2	204	20.4	20.4	8.2	8.2	31.8	31.8	97.9	97.9	7.3	7.3	10.4		4		89				<0.2		1.3	
						6.1	0.2	215	20.4		8.2		31.8		97.8		7.3		10.4		4		89				<0.2		1.4	
IM6	Cloudy	Moderate	11:52	8.1	Surface	1.0	0.1	206	20.8	20.8	8.2	8.2	29.0	29.0	100.5	100.5	7.6	7.6	3.2	4.4	4	3	85	87	821075	805839	<0.2	<0.2	1.2	1.2
						1.0	0.1	217	20.8		8.2		29.0		100.5		7.6		3.2		4		85				<0.2		1.2	
					Middle	4.1	0.1	185	20.5	20.5	8.2	8.2	31.4	31.4	100.0	99.9	7.5		4.9		3		88				<0.2		1.2	
						4.1	0.1	191	20.5		8.2		31.4		99.8		7.5		4.9		3		88				<0.2		1.3	
					Bottom	7.1	0.1	176	20.5	20.5	8.2	8.2	31.8	31.7	94.8	94.8	7.1	7.1	5.1		3		89				<0.2		1.3	
						7.1	0.1	176	20.5		8.2		31.7		94.7		7.1		5.0		3		89				<0.2		1.2	
IM7	Cloudy	Moderate	12:04	8.0	Surface	1.0	0.0	312	20.6	20.6	8.2	8.2	29.6	29.6	102.7	102.7	7.8	7.7	3.3	4.5	4	4	84	87	821362	806828	<0.2	<0.2	2.4	2.4
						1.0	0.0	321	20.6		8.2		29.6		102.6		7.7		3.4		4		84				<0.2		2.4	
					Middle	4.0	0.1	91	20.4	20.4	8.2	8.2	31.8	31.8	101.6	101.7	7.6		4.5		4		88				<0.2		2.3	
						4.0	0.1	93	20.4		8.2		31.8		101.7		7.6		4.6		4		87				<0.2		2.1	
					Bottom	7.0	0.1	152	20.4	20.4	8.2	8.2	32.0	32.0	100.1	100.1	7.5	7.5	5.6		4		88				<0.2		2.4	
						7.0	0.1	157	20.4		8.2		32.0		100.0		7.5		5.5		4		88				<0.2		2.5	
IM8	Cloudy	Moderate	11:39	7.8	Surface	1.0	0.1	199	21.0	21.0	7.9	7.9	26.5	26.5	100.4	100.4	7.7	7.6	3.8	6.7	4	3	85	88	821816	808153	<0.2	<0.2	0.9	0.9
						1.0	0.1	204	21.0		7.9		26.5		100.3		7.7		4.1		4		86				<0.2		0.9	
					Middle	3.9	0.0	302	20.7	20.7	7.9	7.9	30.0	30.0	99.6	99.6	7.5		6.5		4		88				<0.2		0.8	
						3.9	0.0	305	20.7		7.9		30.0		99.6		7.5		7.0		3		89				<0.2		0.9	
					Bottom	6.8	0.1	43	20.6	20.6	7.9	7.9	30.7	30.7	99.4	99.4	7.5	7.5	9.4		2		90				<0.2		0.8	
						6.8	0.2	43	20.6		7.9		30.7		99.4		7.5		9.1		2		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 19 March 20 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	11:36	7.5	Surface	1.0	0.1	98	21.0	21.0	7.9	7.9	27.8	27.4	100.1	100.1	7.6	7.6	4.2	6.7	3	4	86	88	822113	808833	<0.2	<0.2	0.8	0.9
						1.0	0.1	105	21.0		7.9		27.1		100.0		7.6		4.5		4		85				<0.2		0.9	
					Middle	3.8	0.2	62	20.7	20.7	7.9	7.9	30.0	30.0	99.4	99.5	7.5		7.1		3		89				<0.2		0.9	
						3.8	0.2	62	20.7		7.9		30.0		99.5		7.5		7.2		4		89				<0.2		1.1	
					Bottom	6.5	0.1	75	20.6	20.6	7.9	7.9	30.7	30.7	99.0	99.1	7.4	7.4	8.6		3		90				<0.2		0.9	
						6.5	0.1	81	20.6		7.9		30.7		99.1		7.4		8.4		4		90				<0.2		1.0	
IM10	Cloudy	Moderate	11:29	8.9	Surface	1.0	0.4	105	21.1	21.1	7.9	7.9	26.9	26.9	100.9	100.9	7.7	7.6	4.4	7.0	4	4	85	88	822400	809774	<0.2	<0.2	1.6	1.6
						1.0	0.4	109	21.1		7.9		26.9		100.9		7.7		4.5		4		85				<0.2		1.7	
					Middle	4.5	0.4	98	20.7	20.7	7.9	7.9	29.9	29.9	99.7	99.8	7.5		8.7		4		88				<0.2		1.6	
						4.5	0.4	99	20.7		7.9		29.9		99.8		7.5		8.9		4		89				<0.2		1.6	
					Bottom	7.9	0.3	66	20.6	20.6	7.9	7.9	30.7	30.7	98.8	98.8	7.4	7.4	7.4		3		90				<0.2		1.6	
						7.9	0.3	72	20.6		7.9		30.7		98.8		7.4		7.9		3		90				<0.2		1.6	
IM11	Cloudy	Moderate	11:09	7.4	Surface	1.0	0.1	84	20.9	20.8	7.9	7.9	27.5	27.6	97.5	97.4	7.4	7.3	3.0	3.2	4	4	84	87	822073	811463	<0.2	<0.2	1.6	1.5
						1.0	0.1	89	20.7		7.9		27.8		97.2		7.4		3.1		4		85				<0.2		1.5	
					Middle	3.7	0.2	92	20.6	20.6	7.9	7.9	30.8	30.8	96.4	96.4	7.2		3.3		4		86				<0.2		1.6	
						3.7	0.2	101	20.6		7.9		30.8		96.4		7.2		3.3		4		86				<0.2		1.5	
					Bottom	6.4	0.1	109	20.5	20.5	7.9	7.9	31.2	31.2	96.1	96.2	7.2	7.2	3.2		4		90				<0.2		1.5	
						6.4	0.1	112	20.5		7.9		31.2		96.2		7.2		3.2		4		90				<0.2		1.5	
IM12	Cloudy	Moderate	10:59	9.7	Surface	1.0	0.3	107	20.9	20.9	7.9	7.9	28.5	28.5	100.3	100.3	7.6	7.5	2.8	2.4	4	5	86	88	821443	812037	<0.2	<0.2	0.9	1.0
						1.0	0.3	108	20.9		7.9		28.5		100.3		7.6		2.8		4		86				<0.2		1.0	
					Middle	4.9	0.2	88	20.7	20.7	7.9	7.9	30.3	30.3	98.5	98.5	7.4		2.3		5		88				<0.2		0.9	
						4.9	0.2	92	20.7		7.9		30.3		98.4		7.4		2.3		6		88				<0.2		0.9	
					Bottom	8.7	0.2	124	20.6	20.6	7.9	7.9	30.8	30.8	98.6	98.7	7.4	7.4	2.2		5		90				<0.2		1.0	
						8.7	0.2	129	20.6		7.9		30.8		98.7		7.4		2.2		6		90				<0.2		1.0	
SR1A	Cloudy	Calm	10:34	5.1	Surface	1.0	-	-	20.6	20.6	7.9	7.9	30.7	30.7	94.5	94.5	7.1	7.1	2.9	3.1	4	4	-	-	819972	812654	-	-	-	-
						1.0	-	-	20.6		7.9		30.7		94.4		7.1		3.0		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	20.6	20.6	7.9	7.9	30.7	30.7	94.9	94.9	7.1	7.1	3.3		4		-				-		-	
						4.1	-	-	20.6		7.9		30.7		94.9		7.1		3.3		4		-				-		-	
SR2	Cloudy	Moderate	10:21	4.8	Surface	1.0	0.2	12	20.6	20.6	7.9	7.9	30.8	30.8	98.9	98.9	7.4	7.4	2.3	2.2	4	5	85	86	821449	814144	<0.2	<0.2	0.8	0.9
						1.0	0.2	13	20.6		7.9		30.8		98.8		7.4		2.2		4		85				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	14	20.6	20.6	7.9	7.9	30.8	30.8	98.4	98.4	7.4	7.4	2.1		5		87				<0.2		0.9	
						3.8	0.2	14	20.7		7.9		30.8		98.4		7.4		2.1		5		88				<0.2		0.8	
SR3	Cloudy	Moderate	11:44	9.2	Surface	1.0	0.1	155	21.0	21.0	7.9	7.9	26.4	26.4	98.8	98.7	7.6	7.4	3.1	5.5	4	4	-	-	822158	807592	-	-	-	-
						1.0	0.1	168	21.0		7.9		26.5		98.5		7.5		3.2		4		-				-		-	
					Middle	4.6	0.1	168	20.6	20.6	7.9	7.9	31.1	31.1	95.5	95.7	7.2		4.9		3		-				-		-	
						4.6	0.1	175	20.6		7.9		31.1		95.9		7.2		4.9		4		-				-		-	
					Bottom	8.2	0.1	300	20.6	20.6	7.8	7.8	31.1	31.1	93.2	93.3	7.0	7.0	8.2		3		-				-		-	
						8.2	0.1	325	20.6		7.8		31.1		93.3		7.0		8.5		4		-				-		-	
SR4A	Cloudy	Calm	10:24	8.8	Surface	1.0	0.2	79	20.6	20.6	8.1	8.1	30.3	30.3	103.9	103.9	7.8	7.7	2.8	4.3	5	5	-	-	817207	807801	-	-	-	-
						1.0	0.2	84	20.6		8.1		30.3		103.8		7.8		2.9		4		-				-		-	
					Middle	4.4	0.1	42	20.5	20.5	8.0	8.0	30.9	30.9	101.6	101.5	7.6		3.9		4		-				-		-	
						4.4	0.1	43	20.5		8.0		30.9		101.4		7.6		4.0		5		-				-		-	
					Bottom	7.8	0.1	63	20.5	20.5	8.0	8.0	31.5	31.5	99.8	99.9	7.5	7.5	6.0		5		-				-		-	
						7.8	0.1	66	20.5		8.0		31.5		99.9		7.5		6.0		4		-				-		-	
SR5A	Cloudy	Calm	10:05	3.5	Surface	1.0	0.1	355	20.7	20.7	8.0	8.0	31.5	31.5	96.5	96.5	7.2	7.2	4.4	5.5	5	5	-	-	816594	810708	-	-	-	-
						1.0	0.1	327	20.7		8.0		31.5		96.5		7.2		4.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	8	20.6	20.6	8.0	8.0	31.6	31.6	94.5	94.4	7.1	7.1	6.6		4		-				-		-	
						2.5	0.1	8	20.6		8.0		31.6		94.3		7.0		6.6		5		-				-		-	
SR6A	Cloudy	Calm	09:32	4.0	Surface	1.0	0.1	182	20.6	20.6	8.0	8.0	31.0	31.0	98.0	98.0	7.3	7.3	5.6	6.7	4	4	-	-	817961	814742	-	-	-	-
						1.0	0.1	189	20.6		8.0		31.0		98.0		7.3		5.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	202	20.6	20.6	8.0	8.0	31.1	31.1	96.2	96.2	7.2	7.2	8.0		5		-				-		-	
						3.0	0.0	207	20.6		8.0		31.1		96.2		7.2		8.0		4		-				-		-	
SR7	Cloudy	Moderate	09:26	15.2	Surface	1.0	0.1	350	20.2	20.2	7.9	7.9	32.7	32.7	94.3	94.2	7.1	7.0	1.5	1.7	4	4	-	-	823634	823723	-	-	-	-
						1.0	0.1	322	20.2		7.9		32.7		94.1		7.0		1.5		4		-				-		-	
					Middle	7.6	0.1	85	20.1	20.1	7.9	7.9	32.8	32.8	92.7	92.7	6.9		1.7		3		-				-		-	
						7.6	0.1	87	20.1		7.9		32.9		92.7		6.9		1.7		4		-				-		-	
					Bottom	14.2	0.1	209	20.0	20.0	7.9	7.9	32.9	32.9	92.8	92.8	7.0	7.0	1.8		3		-				-		-	
						14.2	0.1	226	20.0		7.9		32.9		92.8		6.9		1.8		4		-				-		-	
SR8	Cloudy	Moderate	10:48	5.0	Surface	1.0	-	-	20.9	20.9	7.9	7.9	30.6	30.6	96.4	96.5	7.2	7.2	3.8	3.7	6	6	-	-	820480	811749	-	-	-	-
						1.0	-	-	20.9		7.9		30.6		96.5		7.2		3.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	20.6	20.6	7.9	7.9	30.8	30.8	97.4	97.5	7.3	7.3	3.7		6		-				-		-	
						4.0	-	-	20.7		7.9		30.8		97.5		7.3		3.6		5		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Due to safety concern, the monitoring at SR8 was shifted to the closest safe and accessible location as a precautionary measure.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 March 20 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	Rainy	Moderate	14:54	7.8	Surface	1.0	0.1	146	20.6	20.6	8.1	8.1	31.5	31.5	94.6	94.6	7.1	7.1	2.3	3.0	2	3	86	88	815600	804267	<0.2	<0.2	1.9	1.8
						1.0	0.1	158	20.6		8.1		31.5		94.6		7.1		2.4		4		86				<0.2		1.9	
					Middle	3.9	0.1	188	20.5	20.5	8.1	8.1	32.0	32.0	93.4	93.4	7.0		2.9		3		88				<0.2		1.6	
						3.9	0.1	193	20.5		8.1		32.0		93.3		7.0		2.9		3		89				<0.2		1.6	
					Bottom	6.8	0.1	190	20.3	20.3	8.1	8.1	32.6	32.6	92.3	92.4	6.9	6.9	3.7		3		90				<0.2		1.9	
						6.8	0.1	202	20.3		8.1		32.6		92.5		6.9		3.7		3		90				<0.2		1.8	
C2	Rainy	Moderate	13:43	11.5	Surface	1.0	0.1	164	21.0	21.0	7.9	7.9	26.4	26.4	99.5	99.2	7.6	7.5	2.9	4.6	3	3	85	88	825675	806938	<0.2	<0.2	0.9	1.2
						1.0	0.1	172	21.0		7.9		26.5		98.9		7.6		3.2		3		85				<0.2		0.9	
					Middle	5.8	0.2	151	20.7	20.7	7.9	7.9	30.6	30.6	97.3	97.5	7.3		4.3		3		88				<0.2		1.1	
						5.8	0.2	153	20.7		7.9		30.6		97.7		7.3		4.3		3		88				<0.2		1.3	
					Bottom	10.5	0.4	177	20.6	20.6	7.9	7.9	31.1	31.1	98.4	98.4	7.4	7.4	6.4		3		90				<0.2		1.4	
						10.5	0.4	177	20.6		7.9		31.0		98.4		7.4		6.6		3		90				<0.2		1.6	
C3	Rainy	Moderate	15:38	12.7	Surface	1.0	0.1	222	21.0	21.0	7.8	7.8	26.5	26.5	100.3	100.1	7.7	7.5	2.8	4.7	4	4	84	88	822110	817791	<0.2	<0.2	1.4	1.4
						1.0	0.1	223	21.0		7.8		26.5		99.8		7.6		3.0		3		84				<0.2		1.5	
					Middle	6.4	0.1	234	20.7	20.7	7.8	7.8	29.7	29.7	96.7	96.9	7.3		4.3		3		89				<0.2		1.4	
						6.4	0.1	239	20.7		7.8		29.7		97.0		7.3		4.4		4		89				<0.2		1.4	
					Bottom	11.7	0.2	254	20.5	20.5	7.8	7.8	31.1	31.1	97.9	98.2	7.3	7.4	7.0		4		90				<0.2		1.3	
						11.7	0.2	266	20.5		7.8		31.1		98.4		7.4		6.7		4		90				<0.2		1.3	
IM1	Rainy	Moderate	14:34	4.8	Surface	1.0	0.1	175	20.6	20.6	8.1	8.1	30.9	30.8	97.3	97.4	7.3	7.3	1.8	1.8	4	5	86	87	817963	807144	<0.2	<0.2	2.2	2.2
						1.0	0.1	184	20.6		8.1		30.8		97.4		7.3		1.8		5		86				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	170	20.6	20.6	8.1	8.1	31.4	31.4	97.2	97.2	7.3	7.3	1.8		5		88				<0.2		2.2	
						3.8	0.1	172	20.6		8.1		31.4		97.2		7.3		1.8		6		88				<0.2		2.0	
IM2	Rainy	Moderate	14:26	6.8	Surface	1.0	0.2	342	20.6	20.6	8.1	8.1	31.1	31.1	96.7	96.8	7.2	7.2	1.9	1.8	6	5	85	87	818167	806163	<0.2	<0.2	2.0	2.1
						1.0	0.2	355	20.6		8.1		31.1		96.8		7.2		1.9		5		85				<0.2		2.0	
					Middle	3.4	0.1	325	20.6	20.6	8.1	8.1	31.4	31.4	96.8	96.9	7.2		1.8		5		87				<0.2		2.1	
						3.4	0.1	350	20.6		8.1		31.4		96.9		7.2		1.8		4		88				<0.2		2.0	
					Bottom	5.8	0.1	288	20.6	20.6	8.1	8.1	31.7	31.7	96.5	96.5	7.2	7.2	1.8		4		89				<0.2		2.1	
						5.8	0.1	305	20.6		8.1		31.7		96.5		7.2		1.8		4		90				<0.2		2.2	
IM3	Rainy	Moderate	14:19	7.0	Surface	1.0	0.2	331	20.6	20.6	8.1	8.1	31.3	31.3	96.7	96.6	7.2	7.2	1.7	1.7	5	5	85	87	818772	805577	<0.2	<0.2	2.0	2.1
						1.0	0.2	343	20.6		8.1		31.3		96.5		7.2		1.7		4		85				<0.2		2.2	
					Middle	3.5	0.1	310	20.6	20.6	8.1	8.1	31.5	31.5	95.9	95.9	7.2		1.7		4		88				<0.2		2.1	
						3.5	0.1	316	20.6		8.1		31.5		95.8		7.2		1.7		5		88				<0.2		2.2	
					Bottom	6.0	0.0	243	20.5	20.5	8.1	8.1	31.9	31.9	93.9	94.0	7.0	7.0	1.8		5		89				<0.2		2.1	
						6.0	0.0	253	20.5		8.1		31.9		94.0		7.0		1.8		6		89				<0.2		2.1	
IM4	Rainy	Moderate	14:11	8.2	Surface	1.0	0.0	33	20.6	20.6	8.1	8.1	31.3	31.3	94.6	94.6	7.1	7.1	1.9	2.1	5	5	85	87	819710	804605	<0.2	<0.2	2.0	2.0
						1.0	0.0	35	20.6		8.1		31.3		94.5		7.1		1.9		4		85				<0.2		2.1	
					Middle	4.1	0.1	25	20.5	20.5	8.1	8.1	31.9	31.9	94.3	94.3	7.0		1.9		4		88				<0.2		2.0	
						4.1	0.1	25	20.5		8.1		31.9		94.3		7.0		2.0		5		88				<0.2		1.9	
					Bottom	7.2	0.1	321	20.4	20.4	8.1	8.1	32.1	32.1	93.9	94.0	7.0	7.0	2.4		4		89				<0.2		2.0	
						7.2	0.1	335	20.4		8.1		32.1		94.0		7.0		2.5		5		89				<0.2		2.2	
IM5	Rainy	Moderate	14:03	7.3	Surface	1.0	0.2	262	20.6	20.6	8.1	8.1	31.4	31.4	94.8	94.8	7.1	7.1	2.0	1.9	7	6	84	87	820727	804854	<0.2	<0.2	1.9	2.0
						1.0	0.2	281	20.6		8.1		31.4		94.8		7.1		2.0		6		85				<0.2		2.0	
					Middle	3.7	0.2	284	20.5	20.5	8.1	8.1	31.8	31.8	94.4	94.4	7.1		1.8		6		88				<0.2		1.9	
						3.7	0.2	305	20.5		8.1		31.8		94.4		7.1		1.8		5		88				<0.2		1.9	
					Bottom	6.3	0.1	39	20.5	20.5	8.1	8.1	31.9	31.9	94.8	94.8	7.1	7.1	1.8		4		90				<0.2		2.0	
						6.3	0.1	40	20.5		8.1		31.9		94.8		7.1		1.8		6		89				<0.2		2.2	
IM6	Rainy	Moderate	13:53	7.1	Surface	1.0	0.2	236	20.6	20.6	8.1	8.1	31.4	31.4	95.0	95.0	7.1	7.1	2.0	2.0	6	6	85	88	821049	805825	<0.2	<0.2	2.1	2.0
						1.0	0.2	244	20.6		8.1		31.4		95.0		7.1		2.0		5		85				<0.2		1.9	
					Middle	3.6	0.1	211	20.5	20.5	8.1	8.1	31.8	31.8	94.1	94.1	7.0		2.1		6		88				<0.2		2.1	
						3.6	0.1	211	20.5		8.1		31.8		94.0		7.0		2.1		6		88				<0.2		2.1	
					Bottom	6.1	0.1	108	20.4	20.4	8.1	8.1	32.1	32.1	93.4	93.4	7.0	7.0	2.0		6		90				<0.2		1.9	
						6.1	0.1	111	20.4		8.1		32.1		93.4		7.0		2.0		7		89				<0.2		2.0	
IM7	Rainy	Moderate	13:43	8.0	Surface	1.0	0.1	275	21.1	21.1	8.1	8.1	26.6	26.6	100.8	100.8	7.7	7.6	2.8	4.1	4	5	84	87	821372	806837	<0.2	<0.2	2.0	2.0
						1.0	0.1	276	21.1		8.1		26.6		100.7		7.7		2.9		5		85				<0.2		2.0	
					Middle	4.0	0.1	146	20.8	20.8	8.1	8.1	28.9	28.9	98.8	98.8	7.5		4.7		4		87				<0.2		2.0	
						4.0	0.1	154	20.8		8.1		28.9		98.8		7.5		4.8		5		88				<0.2		2.0	
					Bottom	7.0	0.2	158	20.6	20.6	8.2	8.2	30.9	30.9	97.2	97.2	7.3	7.3	4.6		6		89				<0.2		2.0	
						7.0	0.2	170	20.6		8.2		30.9		97.2		7.3		4.6		6		89				<0.2		2.0	
IM8	Rainy	Moderate	14:15	8.2	Surface	1.0	0.4	98	21.1	21.1	7.9	7.9	26.1	26.1	101.5	101.3	7.8	7.5	2.7	3.5	6	6	85	88	821835	808139	<0.2	<0.2	1.1	1.1
						1.0	0.4	107	21.1		7.9		26.1		101.0		7.7		2.6		5		85				<0.2		1.1	
					Middle	4.1	0.4	82	20.8	20.8	7.9	7.9	29.0	29.0	96.2	96.1	7.3		3.4		6		88				<0.2		1.2	
						4.1	0.4	83	20.7		7.9		29.0		96.0		7.3		3.7		6		89				<0.2		1.2	
					Bottom	7.2	0.1	63	20.6	20.6	7.9	7.9	30.6	30.6	97.9	98.3	7.3	7.4	4.4		6		90				<0.2		1.1	
						7.2	0.1	68	20.7		7.9		30.6		98.7		7.4		4.1		6		90				<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 19 March 20 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	Rainy	Moderate	14:24	7.6	Surface	1.0	0.3	84	21.1	21.1	7.9	7.9	26.1	26.1	102.7	102.6	7.8	7.6	2.4	3.8	6	5	85	88	822079	808802	<0.2	<0.2	1.2	1.1
						1.0	0.3	91	21.1		7.9		26.1		102.5		7.8		2.4		5		86				<0.2		1.1	
					Middle	3.8	0.4	72	20.8	20.7	7.9	7.9	29.7	29.6	96.3	96.4	7.3		3.6		4		89				<0.2		1.1	
						3.8	0.4	78	20.7		7.9		29.5		96.5		7.3		3.9		5		89				<0.2		1.1	
					Bottom	6.6	0.2	91	20.6	20.6	7.9	7.9	31.1	31.0	97.2	97.5	7.3	7.3	5.4		4		90				<0.2		1.1	
						6.6	0.2	96	20.6		7.9		31.0		97.8		7.3		5.3		4		90				<0.2		1.1	
IM10	Rainy	Moderate	14:32	7.3	Surface	1.0	0.5	72	21.1	21.1	7.9	7.9	26.0	26.0	101.9	101.7	7.8	7.6	2.8	4.6	4	4	85	88	822407	809781	<0.2	<0.2	1.1	1.1
						1.0	0.5	73	21.1		7.9		26.0		101.5		7.8		2.8		5		85				<0.2		1.1	
					Middle	3.7	0.3	94	20.8	20.8	7.9	7.9	29.3	29.3	97.3	97.4	7.3		4.3		4		89				<0.2		1.1	
						3.7	0.3	94	20.8		7.9		29.2		97.4		7.4		4.6		4		89				<0.2		1.1	
					Bottom	6.3	0.5	76	20.6	20.6	7.9	7.9	30.9	30.9	98.6	98.9	7.4	7.4	7.0		4		90				<0.2		1.1	
						6.3	0.6	79	20.6		7.9		30.9		99.2		7.4		6.3		3		90				<0.2		1.1	
IM11	Rainy	Moderate	14:43	8.4	Surface	1.0	0.1	100	21.1	21.1	7.9	7.9	26.2	26.2	102.2	102.1	7.8	7.6	3.1	5.6	4	6	85	88	822063	811473	<0.2	<0.2	1.1	1.1
						1.0	0.1	102	21.1		7.9		26.2		102.0		7.8		3.3		5		85				<0.2		1.1	
					Middle	4.2	0.1	132	20.7	20.7	7.9	7.9	29.6	29.6	97.6	97.7	7.4		7.2		6		88				<0.2		1.1	
						4.2	0.2	144	20.7		7.9		29.6		97.7		7.4		7.1		5		89				<0.2		1.2	
					Bottom	7.4	0.2	165	20.6	20.6	7.9	7.9	30.9	30.9	98.2	98.4	7.4	7.4	6.5		7		90				<0.2		1.1	
						7.4	0.2	170	20.6		7.9		30.9		98.6		7.4		6.3		6		90				<0.2		1.1	
IM12	Rainy	Moderate	14:49	9.7	Surface	1.0	0.1	238	21.1	21.1	7.9	7.9	25.9	25.9	103.0	102.8	7.9	7.6	3.3	5.8	5	6	86	88	821471	812060	<0.2	<0.2	1.1	1.1
						1.0	0.1	246	21.1		7.9		25.9		102.6		7.9		3.6		6		86				<0.2		1.1	
					Middle	4.9	0.1	251	20.7	20.7	7.9	7.9	29.8	29.8	97.3	97.4	7.3		7.6		5		88				<0.2		1.1	
						4.9	0.1	273	20.7		7.9		29.8		97.4		7.3		7.5		6		88				<0.2		1.0	
					Bottom	8.7	0.2	166	20.6	20.6	7.9	7.9	30.7	30.7	99.7	99.8	7.5	7.5	6.6		6		90				<0.2		1.1	
						8.7	0.2	167	20.6		7.9		30.7		99.9		7.5		6.3		6		90				<0.2		1.1	
SR1A	Rainy	Calm	15:04	5.2	Surface	1.0	-	-	21.0	21.0	7.9	7.9	27.3	27.2	102.8	103.0	7.8	7.8	3.1	3.9	6	8	-	-	819979	812665	-	-	-	-
						1.0	-	-	21.0		7.9		27.1		103.1		7.8		3.2		7		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	20.8	20.8	7.9	7.9	29.3	29.3	102.0	102.2	7.7	7.7	5.0		9		-				-		-	
						4.2	-	-	20.8		7.9		29.2		102.4		7.7		4.1		10		-				-		-	
SR2	Rainy	Moderate	15:17	4.7	Surface	1.0	0.2	321	21.1	21.1	7.8	7.8	26.6	26.6	100.3	100.3	7.7	7.7	1.8	2.4	4	4	84	86	821447	814176	<0.2	<0.2	1.0	1.1
						1.0	0.2	326	21.1		7.8		26.6		100.2		7.6		1.9		4		84				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	22	20.8	20.8	7.8	7.8	29.1	29.1	95.2	95.3	7.2	7.2	2.9		3		88				<0.2		1.1	
						3.7	0.1	23	20.8		7.8		29.1		95.3		7.2		2.9		4		89				<0.2		1.0	
SR3	Rainy	Moderate	14:04	9.6	Surface	1.0	0.4	120	21.1	21.0	7.9	7.9	26.4	26.4	100.0	99.2	7.6	7.5	2.8	4.0	3	5	-	-	822155	807567	-	-	-	-
						1.0	0.4	125	21.0		7.9		26.4		98.3		7.5		2.9		4		-				-		-	
					Middle	4.8	0.3	112	20.7	20.7	7.9	7.9	29.2	29.2	97.1	97.3	7.3		4.1		5		-				-		-	
						4.8	0.4	114	20.7		7.9		29.2		97.5		7.4		4.5		4		-				-		-	
					Bottom	8.6	0.3	109	20.6	20.6	7.9	7.9	31.1	31.1	98.8	98.9	7.4	7.4	4.9		6		-				-		-	
						8.6	0.3	118	20.6		7.9		31.0		99.0		7.4		4.7		5		-				-		-	
SR4A	Rainy	Calm	15:16	9.1	Surface	1.0	0.1	35	20.6	20.6	8.1	8.1	31.6	31.6	95.5	95.5	7.1	7.1	3.0	3.2	6	7	-	-	817197	807815	-	-	-	-
						1.0	0.1	37	20.6		8.1		31.6		95.4		7.1		3.0		5		-				-		-	
					Middle	4.6	0.3	92	20.5	20.5	8.1	8.1	32.0	32.0	93.5	93.5	7.0		2.7		8		-				-		-	
						4.6	0.3	92	20.5		8.1		32.1		93.4		7.0		2.7		7		-				-		-	
					Bottom	8.1	0.3	70	20.3	20.3	8.1	8.1	32.6	32.6	92.5	92.5	6.9	6.9	4.0		8		-				-		-	
						8.1	0.3	74	20.3		8.1		32.6		92.4		6.9		4.0		8		-				-		-	
SR5A	Rainy	Calm	15:41	3.7	Surface	1.0	0.2	87	20.6	20.6	8.1	8.1	31.8	31.8	94.1	94.1	7.0	7.0	3.0	3.0	5	6	-	-	816604	810684	-	-	-	-
						1.0	0.2	93	20.6		8.1		31.8		94.1		7.0		3.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	99	20.5	20.5	8.1	8.1	31.9	31.9	93.1	93.1	7.0	7.0	3.0		7		-				-		-	
						2.7	0.1	102	20.5		8.1		31.9		93.0		6.9		3.0		7		-				-		-	
SR6A	Rainy	Calm	16:12	4.2	Surface	1.0	0.1	146	20.6	20.6	8.1	8.1	31.7	31.7	93.5	93.5	7.0	7.0	3.0	3.1	10	8	-	-	817969	814752	-	-	-	-
						1.0	0.1	157	20.6		8.1		31.7		93.5		7.0		3.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	85	20.5	20.5	8.1	8.1	32.0	32.0	93.4	93.4	7.0	7.0	3.2		7		-				-		-	
						3.2	0.1	87	20.5		8.1		32.0		93.4		7.0		3.1		6		-				-		-	
SR7	Rainy	Moderate	16:05	15.9	Surface	1.0	0.1	274	20.8	20.8	7.8	7.8	29.6	29.6	96.4	96.2	7.3	7.1	2.6	3.5	6	7	-	-	823634	823736	-	-	-	-
						1.0	0.1	292	20.8		7.8		29.6		95.9		7.2		2.9		7		-				-		-	
					Middle	8.0	0.1	48	20.6	20.6	7.8	7.8	31.2	31.2	91.6	91.8	6.9		5.0		7		-				-		-	
						8.0	0.1	48	20.6		7.8		31.2		91.9		6.9		4.9		6		-				-		-	
					Bottom	14.9	0.1	89	20.4	20.4	7.8	7.8	31.8	31.8	91.9	91.9	6.9	6.9	2.9		7		-				-		-	
						14.9	0.1	89	20.4		7.8		31.8		91.8		6.9		2.9		8		-				-		-	
SR8	Rainy	Calm	14:54	5.1	Surface	1.0	-	-	21.1	21.1	7.9	7.9	25.8	25.8	102.4	101.5	7.8	7.8	2.7	3.3	5	5	-	-	820473	811744	-	-	-	-
						1.0	-	-	21.1		7.9		25.9		100.5		7.7		2.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	20.8	20.8	7.9	7.9	28.9	28.9	99.2	99.5	7.5	7.5	3.7		4		-				-		-	
						4.1	-	-	20.8		7.9		28.9		99.7		7.5		4.0		4		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Due to safety concern, the monitoring at SR8 was shifted to the closest safe and accessible location as a precautionary measure.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 March 20 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	Fine	Moderate	12:12	8.9	Surface	1.0	0.1	236	20.8	20.8	8.0	8.0	30.8	30.8	100.3	100.3	7.5	7.4	2.6	4.4	3	3	84	87	815632	804270	<0.2	<0.2	0.9	1.0
						1.0	0.1	243	20.8		8.0		30.9		100.2		7.5		2.7		3		84				<0.2		1.1	
					Middle	4.5	0.2	232	20.2	20.2	8.0	8.0	31.9	31.9	95.3	95.4	7.2		4.3		3		87				<0.2		0.9	
						4.5	0.2	243	20.2		8.0		32.0		95.4		7.2		4.4		3		87				<0.2		0.9	
					Bottom	7.9	0.2	248	20.1	20.1	8.0	8.0	32.3	32.3	96.8	96.8	7.3	7.3	6.2		4		91				<0.2		1.0	
						7.9	0.2	269	20.1		8.0		32.3		96.8		7.3		6.1		4		91				<0.2		0.9	
C2	Foggy	Moderate	13:19	10.7	Surface	1.0	0.6	170	21.2	21.2	8.2	8.2	28.9	28.9	96.3	96.4	7.2	7.0	4.8	6.2	8	7	85	88	825669	806953	<0.2	<0.2	1.4	1.4
						1.0	0.7	174	21.2		8.2		28.9		96.5		7.2		4.9		8		85				<0.2		1.3	
					Middle	5.4	0.4	157	20.5	20.5	8.2	8.2	31.4	31.4	89.3	89.3	6.7		6.3		7		89				<0.2		1.4	
						5.4	0.4	170	20.5		8.2		31.4		89.3		6.7		6.3		7		89				<0.2		1.4	
					Bottom	9.7	0.2	138	20.5	20.5	8.2	8.2	31.6	31.6	89.4	89.5	6.7	6.7	7.4		6		89				<0.2		1.4	
						9.7	0.2	150	20.5		8.2		31.6		89.6		6.7		7.4		5		90				<0.2		1.5	
C3	Foggy	Moderate	11:03	12.4	Surface	1.0	0.2	77	20.6	20.6	8.0	8.0	31.7	31.7	91.5	91.4	6.8	6.8	2.9	3.6	4	4	85	87	822126	817822	<0.2	<0.2	1.1	1.1
						1.0	0.2	78	20.6		8.0		31.7		91.3		6.8		2.9		5		85				<0.2		1.2	
					Middle	6.2	0.2	89	20.2	20.2	8.0	8.0	32.9	32.9	89.6	89.7	6.7		3.3		4		86				<0.2		1.1	
						6.2	0.2	93	20.2		8.0		32.9		89.7		6.7		3.3		4		86				<0.2		0.9	
					Bottom	11.4	0.1	103	20.2	20.2	8.0	8.0	33.0	32.9	90.3	90.3	6.7	6.7	4.5		3		89				<0.2		1.0	
						11.4	0.1	108	20.2		8.0		32.9		90.2		6.7		4.5		3		89				<0.2		1.0	
IM1	Fine	Moderate	12:33	5.1	Surface	1.0	0.2	195	20.8	20.8	8.0	8.0	31.0	31.0	96.6	96.6	7.2	7.2	4.4	5.3	5	5	83	86	817943	807135	<0.2	<0.2	1.0	0.9
						1.0	0.3	205	20.8		8.0		31.0		96.6		7.2		4.4		6		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	192	20.5	20.5	8.0	8.0	31.4	31.4	95.5	95.6	7.2	7.2	6.1		4		89				<0.2		0.9	
						4.1	0.2	194	20.5		8.0		31.4		95.6		7.2		6.2		4		89				<0.2		0.9	
IM2	Fine	Moderate	12:41	7.5	Surface	1.0	0.1	148	20.9	20.9	8.0	8.0	30.8	30.8	99.6	99.5	7.4	7.4	10.5	7.3	4	4	83	88	818163	806177	<0.2	<0.2	0.9	1.0
						1.0	0.1	158	20.9		8.0		30.8		99.4		7.4		10.8		3		83				<0.2		1.0	
					Middle	3.8	0.1	154	20.5	20.5	8.0	8.0	31.2	31.2	96.8	96.8	7.3		4.6		4		88				<0.2		1.0	
						3.8	0.1	167	20.5		8.0		31.3		96.8		7.3		4.5		4		88				<0.2		1.0	
					Bottom	6.5	0.1	179	20.4	20.4	8.0	8.0	31.7	31.7	96.1	96.2	7.2	7.2	6.7		4		92				<0.2		1.0	
						6.5	0.1	179	20.4		8.0		31.7		96.2		7.2		6.8		4		93				<0.2		0.8	
IM3	Fine	Moderate	12:49	7.9	Surface	1.0	0.3	128	21.0	21.0	8.0	8.0	29.7	29.7	101.8	101.8	7.6	7.5	2.3	3.8	5	4	83	88	818792	805600	<0.2	<0.2	1.0	1.0
						1.0	0.3	136	21.0		8.0		29.7		101.8		7.6		2.3		5		84				<0.2		1.1	
					Middle	4.0	0.2	137	20.6	20.6	8.0	8.0	31.1	31.1	97.6	97.6	7.3		3.1		5		88				<0.2		0.9	
						4.0	0.2	141	20.7		8.0		31.1		97.6		7.3		3.1		4		88				<0.2		1.0	
					Bottom	6.9	0.1	132	20.5	20.5	8.0	8.0	31.4	31.4	96.9	96.9	7.3	7.3	5.8		3		91				<0.2		1.0	
						6.9	0.1	135	20.5		8.0		31.4		96.9		7.3		5.9		3		91				<0.2		1.1	
IM4	Fine	Moderate	12:59	8.0	Surface	1.0	0.4	197	20.9	20.9	8.0	8.0	29.5	29.5	96.1	96.2	7.2	7.3	3.6	5.3	4	5	86	89	819701	804621	<0.2	<0.2	1.2	1.2
						1.0	0.4	201	20.9		8.0		29.5		96.2		7.2		3.7		4		86				<0.2		1.2	
					Middle	4.0	0.3	196	20.7	20.7	8.0	8.0	30.1	30.1	96.9	97.0	7.3		5.1		5		89				<0.2		1.2	
						4.0	0.4	213	20.7		8.0		30.1		97.0		7.3		5.1		5		90				<0.2		1.1	
					Bottom	7.0	0.4	188	20.4	20.4	8.0	8.0	31.4	31.4	96.2	96.2	7.2	7.2	7.1		5		91				<0.2		1.1	
						7.0	0.4	202	20.4		8.0		31.4		96.1		7.2		7.1		5		91				<0.2		1.1	
IM5	Fine	Moderate	13:08	7.2	Surface	1.0	0.5	215	21.0	21.0	8.0	8.0	29.0	29.0	98.5	98.6	7.4	7.3	2.6	7.0	5	4	85	89	820714	804881	<0.2	<0.2	1.2	1.2
						1.0	0.5	232	21.0		8.0		29.0		98.6		7.4		2.6		5		86				<0.2		1.2	
					Middle	3.6	0.5	204	20.6	20.6	8.0	8.0	31.1	31.1	95.5	95.5	7.2		7.2		4		89				<0.2		1.3	
						3.6	0.5	209	20.6		8.0		31.1		95.5		7.2		7.2		4		89				<0.2		1.2	
					Bottom	6.2	0.3	193	20.5	20.5	8.0	8.0	31.3	31.3	96.2	96.3	7.2	7.2	10.9		4		91				<0.2		1.2	
						6.2	0.4	205	20.5		8.0		31.3		96.3		7.2		11.2		4		92				<0.2		1.2	
IM6	Fine	Moderate	13:16	7.7	Surface	1.0	0.3	233	20.2	20.2	8.1	8.1	31.2	31.2	90.2	90.2	6.8	6.8	6.7	8.2	4	4	86	89	821075	805818	<0.2	<0.2	1.2	1.3
						1.0	0.3	244	20.2		8.1		31.2		90.2		6.8		6.7		4		85				<0.2		1.3	
					Middle	3.9	0.3	208	20.2	20.2	8.1	8.1	31.2	31.2	89.5	89.5	6.7		8.1		4		87				<0.2		1.3	
						3.9	0.3	225	20.2		8.1		31.2		89.5		6.7		8.1		4		89				<0.2		1.4	
					Bottom	6.7	0.2	204	20.2	20.2	8.1	8.1	31.2	31.2	89.7	89.7	6.8	6.8	9.8		4		91				<0.2		1.3	
						6.7	0.2	218	20.2		8.1		31.2		89.7		6.8		9.9		4		93				<0.2		1.2	
IM7	Fine	Moderate	13:29	8.1	Surface	1.0	0.2	235	20.2	20.2	8.1	8.1	29.2	29.2	97.2	97.2	7.4	7.4	3.9	4.1	5	5	83	88	821355	806842	<0.2	<0.2	1.3	1.3
						1.0	0.2	245	20.2		8.1		29.2		97.2		7.4		4.0		5		84				<0.2		1.4	
					Middle	4.1	0.1	202	20.0	20.0	8.1	8.1	29.2	29.2	96.8	96.8	7.4		3.7		4		88				<0.2		1.3	
						4.1	0.1	221	20.0		8.1		29.2		96.8		7.4		3.6		5		89				<0.2		1.3	
					Bottom	7.1	0.1	169	20.2	20.2	8.1	8.1	29.2	29.2	96.9	96.9	7.4	7.4	4.8		5		92				<0.2		1.4	
						7.1	0.1	180	20.2		8.1		29.2		96.9		7.4		4.8		5		93				<0.2		1.3	
IM8	Foggy	Moderate	12:49	7.8	Surface	1.0	0.2	171	21.1	21.1	8.1	8.1	28.6	28.6	93.2	93.2	7.0	7.0	4.9	7.3	4	4	85	88	821824	808120	<0.2	<0.2	1.5	1.5
						1.0	0.2	180	21.1		8.1		28.6		93.1		7.0		4.9		4		85				<0.2		1.5	
					Middle	3.9	0.2	176	20.8	20.8	8.2	8.2	30.0	30.0	93.6	93.6	7.0		7.0		4		88				<0.2		1.5	
						3.9	0.2	180	20.8		8.2		30.0		93.6		7.0		7.0		4		89				<0.2		1.4	
					Bottom	6.8	0.1	44	20.5	20.5	8.2	8.2	31.3	31.3	94.8	94.8	7.1	7.1	9.9		4		89				<0.2		1.5	
						6.8	0.1	44	20.5		8.2		31.3		94.7		7.1		10.0		4		90				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 March 20 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	Foggy	Moderate	12:39	7.1	Surface	1.0	0.2	127	21.2	21.2	8.1	8.1	28.3	28.3	94.2	94.3	7.1	7.1	4.5	7.3	5	5	85	88	822093	808791	<0.2	<0.2	1.6	1.5
						1.0	0.2	138	21.2		8.1		28.3		94.3		7.1		4.5		5		85				<0.2		1.6	
					Middle	3.6	0.3	113	20.7	20.7	8.2	8.2	30.1	30.1	93.5	93.6	7.0		5.9		5		89				<0.2		1.5	
						3.6	0.3	118	20.7		8.2		30.1		93.6		7.0		5.9		5		88				<0.2		1.5	
					Bottom	6.1	0.2	83	20.5	20.5	8.2	8.2	31.1	31.1	94.1	94.1	7.1	7.1	11.4		4		90				<0.2		1.4	
						6.1	0.2	84	20.5		8.2		31.1		94.1		7.1		11.5		4		90				<0.2		1.4	
IM10	Foggy	Moderate	12:29	8.3	Surface	1.0	0.5	124	21.0	21.0	8.1	8.1	28.7	28.7	92.7	92.7	7.0	6.9	4.3	6.5	3	3	85	88	822398	809802	<0.2	<0.2	1.4	1.5
						1.0	0.5	124	21.0		8.1		28.7		92.7		7.0		4.3		3		85				<0.2		1.6	
					Middle	4.2	0.5	122	20.7	20.7	8.1	8.1	30.7	30.7	91.3	91.3	6.8		5.9		3		88				<0.2		1.5	
						4.2	0.6	123	20.7		8.1		30.7		91.3		6.9		5.9		3		89				<0.2		1.5	
					Bottom	7.3	0.5	113	20.6	20.6	8.1	8.1	31.3	31.3	90.5	90.5	6.8	6.8	9.4		3		90				<0.2		1.6	
						7.3	0.5	121	20.6		8.1		31.3		90.5		6.8		9.4		3		90				<0.2		1.4	
IM11	Foggy	Moderate	12:13	7.5	Surface	1.0	0.6	116	21.1	21.1	8.1	8.1	28.1	28.1	92.3	92.3	7.0	6.9	4.4	5.8	4	3	84	87	822078	811460	<0.2	<0.2	1.4	1.4
						1.0	0.6	123	21.1		8.1		28.1		92.2		7.0		4.4		3		85				<0.2		1.5	
					Middle	3.8	0.5	120	20.7	20.7	8.1	8.1	30.7	30.7	91.1	91.2	6.8		5.4		3		86				<0.2		1.5	
						3.8	0.5	121	20.7		8.1		30.7		91.2		6.8		5.4		3		86				<0.2		1.4	
					Bottom	6.5	0.3	130	20.6	20.6	8.1	8.1	31.2	31.2	90.3	90.3	6.8	6.8	7.5		3		89				<0.2		1.4	
						6.5	0.3	132	20.6		8.1		31.2		90.3		6.8		7.6		2		90				<0.2		1.4	
IM12	Foggy	Moderate	12:04	9.6	Surface	1.0	0.5	107	20.9	20.9	8.1	8.1	28.6	28.6	92.1	92.1	7.0	6.9	5.0	5.7	4	4	85	88	821471	812026	<0.2	<0.2	1.4	1.3
						1.0	0.6	115	20.9		8.1		28.6		92.1		7.0		4.9		4		86				<0.2		1.4	
					Middle	4.8	0.4	111	20.7	20.7	8.1	8.1	30.1	30.1	90.9	90.9	6.8		5.5		4		88				<0.2		1.3	
						4.8	0.4	112	20.7		8.1		30.1		90.8		6.8		5.5		4		88				<0.2		1.2	
					Bottom	8.6	0.2	109	20.6	20.6	8.1	8.1	31.2	31.2	89.7	89.7	6.7	6.7	6.5		4		90				<0.2		1.2	
						8.6	0.2	112	20.6		8.1		31.2		89.7		6.7		6.6		4		90				<0.2		1.2	
SR1A	Foggy	Moderate	11:42	5.5	Surface	1.0	-	-	20.9	20.9	8.1	8.1	30.7	30.7	90.8	90.9	6.8	6.8	4.6	6.4	5	4	-	-	819982	812663	-	-	-	-
						1.0	-	-	20.9		8.1		30.7		91.0		6.8		4.6		4		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	20.7	20.7	8.1	8.1	31.0	31.0	92.6	92.7	6.9	6.9	8.1		4		-				-		-	
						4.5	-	-	20.7		8.1		31.0		92.7		6.9		8.2		4		-				-		-	
SR2	Foggy	Moderate	11:29	4.8	Surface	1.0	0.2	80	20.9	20.9	8.1	8.1	30.8	30.8	92.5	92.7	6.9	6.9	4.7	8.1	5	5	85	86	821477	814142	<0.2	<0.2	1.0	1.2
						1.0	0.2	87	20.9		8.1		30.8		92.8		6.9		4.8		6		85				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	59	20.6	20.6	8.1	8.1	31.3	31.3	91.5	91.5	6.8	6.9	11.5		3		87				<0.2		1.1	
						3.8	0.1	61	20.6		8.1		31.3		91.5		6.9		11.5		4		87				<0.2		1.1	
SR3	Foggy	Moderate	12:55	8.4	Surface	1.0	0.2	166	21.1	21.1	8.1	8.1	28.3	28.3	94.2	94.2	7.1	7.1	4.0	6.4	3	3	-	-	822136	807552	-	-	-	-
						1.0	0.2	171	21.1		8.1		28.3		94.1		7.1		4.0		4		-				-		-	
					Middle	4.2	0.1	217	20.9	20.9	8.2	8.2	29.1	29.1	92.2	92.3	7.0		5.4		3		-				-		-	
						4.2	0.1	234	20.9		8.2		29.1		92.3		7.0		5.5		3		-				-		-	
					Bottom	7.4	0.1	282	20.6	20.6	8.2	8.2	31.2	31.2	90.1	90.2	6.8	6.8	9.6		3		-				-		-	
						7.4	0.1	282	20.6		8.2		31.2		90.2		6.8		9.6		3		-				-		-	
SR4A	Fine	Moderate	11:51	10.1	Surface	1.0	0.2	94	20.6	20.6	8.0	8.0	31.4	31.4	96.6	96.6	7.2	7.1	5.0	5.5	8	7	-	-	817176	807799	-	-	-	-
						1.0	0.2	96	20.6		8.0		31.4		96.6		7.2		5.0		7		-				-		-	
					Middle	5.1	0.2	71	20.4	20.4	8.0	8.0	31.5	31.5	93.8	93.8	7.0		3.4		7		-				-		-	
						5.1	0.3	75	20.4		8.0		31.5		93.8		7.0		3.2		7		-				-		-	
					Bottom	9.1	0.2	61	20.4	20.4	8.0	8.0	31.6	31.6	95.0	95.0	7.1	7.1	8.1		7		-				-		-	
						9.1	0.2	64	20.4		8.0		31.6		95.0		7.1		8.2		6		-				-		-	
SR5A	Fine	Moderate	11:33	3.8	Surface	1.0	0.0	84	21.0	21.0	8.0	8.0	30.3	30.3	93.0	93.1	7.0	7.0	5.0	7.3	9	7	-	-	816587	810715	-	-	-	-
						1.0	0.0	87	21.0		8.0		30.4		93.1		7.0		5.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	125	20.7	20.7	8.0	8.0	30.7	30.7	92.1	92.2	6.9	6.9	9.6		5		-				-		-	
						2.8	0.1	132	20.7		8.0		30.7		92.2		6.9		9.7		5		-				-		-	
SR6A	Fine	Moderate	10:57	4.9	Surface	1.0	0.1	315	20.7	20.7	8.0	8.0	30.4	30.4	90.7	90.8	6.8	6.8	5.5	5.4	23	22	-	-	817951	814726	-	-	-	-
						1.0	0.2	336	20.7		8.0		30.4		90.8		6.8		5.7		22		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	326	20.7	20.7	7.9	7.9	30.4	30.4	90.6	90.6	6.8	6.8	5.2		21		-				-		-	
						3.9	0.1	356	20.7		7.9		30.4		90.6		6.8		5.2		21		-				-		-	
SR7	Foggy	Moderate	10:28	14.6	Surface	1.0	0.0	191	20.2	20.2	7.9	7.9	33.1	33.1	87.5	87.5	6.5	6.6	3.6	4.0	3	4	-	-	823640	823726	-	-	-	-
						1.0	0.0	205	20.2		7.9		33.1		87.4		6.5		3.6		3		-				-		-	
					Middle	7.3	0.0	340	20.1	20.1	7.9	7.9	33.3	33.3	88.1	88.1	6.6		4.0		4		-				-		-	
						7.3	0.0	354	20.1		7.9		33.3		88.1		6.6		4.0		4		-				-		-	
					Bottom	13.6	0.1	104	20.0	20.0	7.9	7.9	33.5	33.5	87.8	87.9	6.6	6.6	4.4		4		-				-		-	
						13.6	0.1	113	20.0		7.9		33.5		87.9		6.6		4.5		4		-				-		-	
SR8	Foggy	Moderate	11:54	5.3	Surface	1.0	-	-	21.1	21.1	8.1	8.1	30.9	30.9	91.6	91.6	6.8	6.8	6.2	9.9	5	5	-	-	820391	811643	-	-	-	-
						1.0	-	-	21.1		8.1		30.9		91.6		6.8		6.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	20.6	20.6	8.1	8.1	31.3	31.3	91.0	91.0	6.8	6.8	13.6		5		-				-		-	
						4.3	-	-	20.6		8.1		31.3		91.0		6.8		13.6		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 March 20 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	Fine	Rough	16:45	7.9	Surface	1.0	0.3	32	20.7	20.7	8.2	8.2	31.0	31.0	104.8	104.9	7.8	7.8	2.9	3.8	4	4	83	87	815602	804266	<0.2	<0.2	0.8	0.9
						1.0	0.3	32	20.7		8.2		31.0		104.9		7.8		2.9		3		84				<0.2		0.9	
					Middle	4.0	0.3	30	20.1	20.1	8.2	8.2	31.4	31.4	103.8	103.8	7.8		4.5		4		87				<0.2		0.8	
						4.0	0.3	30	20.1		8.2		31.4		103.8		7.8		4.6		4		87				<0.2		0.9	
					Bottom	6.9	0.3	35	20.7	20.7	8.2	8.2	31.0	31.0	104.3	104.3	7.8	7.8	4.1		5		91				<0.2		0.8	
						6.9	0.3	35	20.7		8.2		31.0		104.2		7.8		3.9		5		92				<0.2		1.0	
C2	Foggy	Moderate	15:46	8.5	Surface	1.0	0.4	179	21.6	21.6	8.0	8.0	27.1	27.1	93.4	93.4	7.0	6.9	3.5	4.6	3	3	85	88	825673	806951	<0.2	<0.2	1.6	1.6
						1.0	0.4	183	21.6		8.0		27.1		93.4		7.0		3.6		3		85				<0.2		1.5	
					Middle	4.3	0.3	195	20.8	20.8	8.0	8.0	29.6	29.6	90.6	90.7	6.8		5.3		3		88				<0.2		1.2	
						4.3	0.3	210	20.8		8.0		29.6		90.7		6.8		5.2		3		88				<0.2		1.6	
					Bottom	7.5	0.1	339	20.7	20.7	8.0	8.0	30.6	30.6	90.3	90.4	6.8	6.8	5.0		2		90				<0.2		1.8	
						7.5	0.1	359	20.7		8.0		30.6		90.4		6.8		5.1		2		90				<0.2		1.7	
C3	Foggy	Moderate	17:48	10.8	Surface	1.0	0.5	270	20.7	20.7	8.1	8.1	31.4	31.4	90.9	90.9	6.8	6.7	5.0	6.8	3	2	84	88	822101	817815	<0.2	<0.2	1.1	1.2
						1.0	0.5	290	20.7		8.1		31.4		90.9		6.8		5.1		3		84				<0.2		1.1	
					Middle	5.4	0.6	264	20.3	20.3	8.1	8.1	32.7	32.7	88.3	88.4	6.6		5.2		2		89				<0.2		1.2	
						5.4	0.7	277	20.3		8.1		32.7		88.4		6.6		5.2		2		89				<0.2		1.2	
					Bottom	9.8	0.4	268	20.2	20.2	8.1	8.1	32.9	32.9	87.9	87.9	6.6	6.6	10.2		<2		90				<0.2		1.1	
						9.8	0.4	285	20.2		8.1		32.9		87.8		6.6		10.3		<2		90				<0.2		1.2	
IM1	Fine	Rough	16:24	5.1	Surface	1.0	0.1	350	20.3	20.3	8.2	8.2	30.9	30.9	104.5	104.5	7.9	7.9	3.1	3.3	4	4	84	86	817970	807111	<0.2	<0.2	0.9	0.9
						1.0	0.1	322	20.3		8.2		30.9		104.5		7.9		3.1		4		84				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	346	20.3	20.3	8.2	8.2	30.9	30.9	105.7	105.7	8.0	8.0	3.5		5		88				<0.2		0.9	
						4.1	0.1	318	20.3		8.2		30.9		105.7		8.0		3.6		4		88				<0.2		0.9	
IM2	Fine	Rough	16:16	7.9	Surface	1.0	0.2	2	19.9	19.9	8.2	8.2	31.1	31.1	100.0	100.0	7.6	7.6	8.1	5.6	6	5	84	89	818182	806159	<0.2	<0.2	1.0	1.0
						1.0	0.2	2	19.9		8.2		31.1		99.9		7.6		8.1		6		86				<0.2		1.0	
					Middle	4.0	0.2	358	20.1	20.1	8.2	8.2	30.8	30.8	100.2	100.2	7.6		4.8		6		88				<0.2		0.9	
						4.0	0.2	329	20.1		8.2		30.8		100.1		7.6		4.8		5		90				<0.2		0.9	
					Bottom	6.9	0.2	352	20.3	20.3	8.2	8.2	30.8	30.8	99.7	99.7	7.5	7.5	3.9		4		92				<0.2		0.9	
						6.9	0.2	324	20.3		8.2		30.8		99.6		7.5		3.9		4		93				<0.2		1.0	
IM3	Fine	Rough	16:09	8.1	Surface	1.0	0.2	351	20.2	20.2	8.1	8.1	30.5	30.5	99.1	99.2	7.5	7.5	3.6	4.7	4	5	85	89	818766	805571	<0.2	<0.2	1.0	0.9
						1.0	0.2	323	20.2		8.1		30.5		99.2		7.5		3.7		4		86				<0.2		0.9	
					Middle	4.1	0.2	332	19.9	19.9	8.2	8.2	31.4	31.4	99.2	99.2	7.5		5.7		5		88				<0.2		0.9	
						4.1	0.2	333	19.9		8.2		31.4		99.2		7.5		5.6		4		90				<0.2		0.9	
					Bottom	7.1	0.2	348	19.9	19.9	8.2	8.2	31.4	31.4	99.1	99.1	7.5	7.5	4.9		5		91				<0.2		0.8	
						7.1	0.3	320	19.9		8.2		31.4		99.1		7.5		4.8		5		93				<0.2		0.9	
IM4	Fine	Rough	15:58	7.2	Surface	1.0	0.2	293	19.7	19.7	8.1	8.1	31.3	31.3	97.6	97.6	7.4	7.5	6.1	5.2	6	5	84	89	819717	804602	<0.2	<0.2	1.0	0.9
						1.0	0.3	299	19.7		8.1		31.3		97.6		7.4		5.9		6		86				<0.2		0.8	
					Middle	3.6	0.2	292	20.1	20.1	8.1	8.1	30.0	30.0	98.0	98.1	7.5		4.2		5		88				<0.2		0.9	
						3.6	0.3	317	20.1		8.1		30.0		98.1		7.5		4.2		5		90				<0.2		0.8	
					Bottom	6.2	0.3	297	19.7	19.7	8.2	8.2	31.2	31.2	97.4	97.4	7.4	7.4	5.3		4		92				<0.2		0.9	
						6.2	0.3	324	19.7		8.2		31.2		97.4		7.4		5.3		4		93				<0.2		1.0	
IM5	Fine	Rough	15:50	8.1	Surface	1.0	0.3	249	20.4	20.4	8.1	8.1	28.3	28.3	98.1	98.1	7.5	7.5	3.4	3.2	6	4	84	89	820744	804876	<0.2	<0.2	1.6	1.5
						1.0	0.3	255	20.4		8.1		28.3		98.1		7.5		3.6		5		86				<0.2		1.5	
					Middle	4.1	0.2	249	20.4	20.4	8.1	8.1	28.3	28.3	98.0	98.0	7.5		3.8		4		88				<0.2		1.5	
						4.1	0.2	264	20.4		8.1		28.3		98.0		7.5		3.8		4		90				<0.2		1.5	
					Bottom	7.1	0.2	247	20.4	20.4	8.1	8.1	28.4	28.4	98.2	98.2	7.5	7.5	2.3		3		91				<0.2		1.5	
						7.1	0.2	266	20.4		8.1		28.4		98.2		7.5		2.5		3		92				<0.2		1.5	
IM6	Fine	Rough	15:40	8.0	Surface	1.0	0.4	247	20.2	20.2	8.1	8.1	28.5	28.5	97.4	97.4	7.5	7.5	5.9	3.9	4	4	84	89	821045	805847	<0.2	<0.2	1.4	1.5
						1.0	0.4	256	20.2		8.1		28.5		97.4		7.5		5.8		4		85				<0.2		1.4	
					Middle	4.0	0.4	258	20.1	20.1	8.1	8.1	28.7	28.7	97.2	97.2	7.5		2.6		4		87				<0.2		1.4	
						4.0	0.4	268	20.1		8.1		28.7		97.2		7.5		2.7		4		89				<0.2		1.5	
					Bottom	7.0	0.3	262	20.3	20.3	8.1	8.1	28.4	28.4	97.8	97.8	7.5	7.5	3.1		3		93				<0.2		1.5	
						7.0	0.3	281	20.3		8.1		28.4		97.8		7.5		3.1		3		94				<0.2		1.5	
IM7	Fine	Rough	15:34	8.3	Surface	1.0	0.4	234	20.3	20.3	8.1	8.1	28.6	28.6	98.9	98.9	7.6	7.6	3.6	3.5	5	6	83	88	821349	806832	<0.2	<0.2	1.5	1.5
						1.0	0.4	245	20.3		8.1		28.6		98.9		7.6		3.6		5		84				<0.2		1.5	
					Middle	4.2	0.4	260	20.3	20.3	8.1	8.1	28.6	28.6	98.8	98.8	7.5		2.4		5		87				<0.2		1.4	
						4.2	0.4	282	20.3		8.1		28.6		98.7		7.5		2.6		5		88				<0.2		1.5	
					Bottom	7.3	0.3	258	21.8	21.8	8.1	8.1	28.8	28.8	100.1	100.1	7.4	7.4	4.3		7		92				<0.2		1.4	
						7.3	0.3	266	21.8		8.1		28.8		100.1		7.4		4.2		7		93				<0.2		1.4	
IM8	Foggy	Moderate	16:11	7.9	Surface	1.0	0.3	239	21.3	21.3	8.1	8.1	28.8	28.8	96.1	96.2	7.2	7.2	4.1	6.6	4	5	85	88	821847	808153	<0.2	<0.2	1.6	1.6
						1.0	0.3	248	21.3		8.1		28.8		96.3		7.2		4.1		4		85				<0.2		1.6	
					Middle	4.0	0.2	251	21.1	21.1	8.1	8.1	29.3	29.3	94.6	94.5	7.1		6.5		4		88				<0.2		1.6	
						4.0	0.2	263	21.1		8.1		29.3		94.4		7.1		6.6		5		88				<0.2		1.6	
					Bottom	6.9	0.1	222	20.9	20.9	8.1	8.1	29.9	29.9	93.3	93.4	7.0	7.0	9.2		6		90				<0.2		1.6	
						6.9	0.1	232	20.9		8.1		29.9		93.4		7.0		9.3		6		90				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 March 20 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	Foggy	Moderate	16:17	7.3	Surface	1.0	0.3	250	21.3	21.3	8.1	8.1	28.6	28.6	95.1	95.0	7.1	7.1	3.3	4.4	3	3	85	88	822102	808791	<0.2	<0.2	1.7	1.7
						1.0	0.3	251	21.3		8.1		28.6		94.9		7.1		3.3				86				<0.2		1.9	
					Middle	3.7	0.3	241	21.0	21.0	8.1	8.1	29.4	29.4	93.6	93.7	7.0		4.5		3		89				<0.2		1.6	
						3.7	0.3	248	21.0		8.1		29.4		93.7		7.0		4.5		3		89				<0.2		1.8	
					Bottom	6.3	0.2	252	20.8	20.8	8.1	8.1	30.3	30.3	92.8	92.8	7.0	7.0	5.3		3		90				<0.2		1.6	
						6.3	0.2	255	20.8		8.1		30.3		92.7		7.0		5.3		2		90				<0.2		1.7	
IM10	Foggy	Moderate	16:26	7.5	Surface	1.0	0.3	279	21.3	21.3	8.1	8.1	28.7	28.7	95.3	95.3	7.1	7.0	3.4	5.2	3	4	85	88	822388	809791	<0.2	<0.2	1.7	1.7
						1.0	0.3	294	21.3		8.1		28.7		95.2		7.1		3.4		3		85				<0.2		1.7	
					Middle	3.8	0.3	282	20.9	20.9	8.1	8.1	29.9	29.9	92.2	92.2	6.9		4.8		4		88				<0.2		1.7	
						3.8	0.4	309	20.9		8.1		29.9		92.2		6.9		4.9		4		89				<0.2		1.6	
					Bottom	6.5	0.3	292	20.7	20.7	8.1	8.1	30.5	30.5	90.8	90.8	6.8	6.8	7.2		5		90				<0.2		1.7	
						6.5	0.3	314	20.7		8.1		30.5		90.7		6.8		7.2		5		90				<0.2		1.7	
IM11	Foggy	Moderate	16:38	8.3	Surface	1.0	0.4	287	20.9	20.9	8.1	8.1	29.8	29.8	92.5	92.5	6.9	6.9	4.8	8.4	4	5	85	88	822065	811454	<0.2	<0.2	1.6	1.7
						1.0	0.4	301	20.9		8.1		29.8		92.5		6.9		4.8		4		85				<0.2		1.6	
					Middle	4.2	0.4	286	20.8	20.8	8.1	8.1	30.2	30.2	90.9	90.8	6.8		7.2		4		88				<0.2		1.7	
						4.2	0.5	311	20.8		8.1		30.2		90.6		6.8		7.3		5		89				<0.2		1.6	
					Bottom	7.3	0.4	303	20.7	20.7	8.1	8.1	30.7	30.7	88.9	88.9	6.7	6.7	13.0		6		90				<0.2		1.7	
						7.3	0.5	333	20.7		8.1		30.7		88.9		6.7		13.1		6		90				<0.2		1.7	
IM12	Foggy	Moderate	16:48	7.8	Surface	1.0	0.3	293	21.2	21.2	8.1	8.1	29.1	29.1	95.3	95.4	7.1	7.0	4.1	5.3	4	4	85	88	821480	812031	<0.2	<0.2	1.7	1.7
						1.0	0.3	302	21.2		8.1		29.1		95.4		7.1		4.1		3		86				<0.2		1.7	
					Middle	3.9	0.4	294	20.8	20.8	8.1	8.1	30.3	30.3	91.7	91.7	6.9		5.5		4		88				<0.2		1.8	
						3.9	0.4	304	20.8		8.1		30.3		91.7		6.9		5.4		4		88				<0.2		1.5	
					Bottom	6.8	0.4	284	20.7	20.7	8.2	8.2	30.3	30.3	90.5	90.6	6.8	6.8	6.4		5		89				<0.2		1.6	
						6.8	0.4	308	20.7		8.2		30.3		90.6		6.8		6.5		5		90				<0.2		1.7	
SR1A	Foggy	Moderate	17:09	5.6	Surface	1.0	-	-	21.2	21.2	8.1	8.1	29.6	29.6	92.8	92.8	6.9	6.9	4.5	4.8	6	6	-	-	819976	812661	-	-	-	-
						1.0	-	-	21.2		8.1		29.6		92.8		6.9		4.5		4		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	21.1	21.1	8.2	8.2	30.0	30.0	91.6	91.6	6.8	6.8	5.0		7		-				-		-	
						4.6	-	-	21.1		8.2		30.0		91.6		6.8		5.1		7		-				-		-	
SR2	Foggy	Moderate	17:23	5.0	Surface	1.0	0.2	86	20.9	20.9	8.1	8.1	30.6	30.6	90.5	90.6	6.8	6.8	5.4	7.0	6	5	84	86	821459	814159	<0.2	<0.2	1.7	1.7
						1.0	0.3	87	20.9		8.1		30.6		90.6		6.8		5.4		6		84				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	88	20.7	20.7	8.2	8.2	31.0	31.0	89.4	89.5	6.7	6.7	8.5		5		88				<0.2		1.7	
						4.0	0.2	88	20.7		8.2		31.0		89.5		6.7		8.5		4		89				<0.2		1.7	
SR3	Foggy	Moderate	16:05	8.8	Surface	1.0	0.3	215	21.4	21.4	8.1	8.1	28.4	28.4	96.5	96.5	7.2	7.2	3.6	4.6	6	5	-	-	822169	807590	-	-	-	-
						1.0	0.3	232	21.4		8.1		28.4		96.4		7.2		3.6		6		-				-		-	
					Middle	4.4	0.2	225	21.1	21.1	8.1	8.1	29.4	29.4	96.7	96.7	7.3		4.6		5		-				-		-	
						4.4	0.2	246	21.1		8.1		29.4		96.7		7.2		4.6		5		-				-		-	
					Bottom	7.8	0.2	281	20.9	20.9	8.1	8.1	30.0	30.0	95.3	95.3	7.1	7.1	5.5		4		-				-		-	
						7.8	0.2	292	20.9		8.1		30.0		95.2		7.1		5.5		4		-				-		-	
SR4A	Fine	Moderate	17:05	10.4	Surface	1.0	0.1	334	20.2	20.2	8.2	8.2	31.6	31.6	99.6	99.6	7.5	7.6	6.1	6.6	9	8	-	-	817180	807833	-	-	-	-
						1.0	0.1	341	20.2		8.2		31.6		99.6		7.5		6.1		9		-				-		-	
					Middle	5.2	0.0	278	20.4	20.4	8.2	8.2	31.6	31.6	100.8	100.8	7.6		5.3		8		-				-		-	
						5.2	0.0	278	20.4		8.2		31.6		100.8		7.6		5.2		8		-				-		-	
					Bottom	9.4	0.0	39	20.3	20.3	8.2	8.2	31.7	31.7	99.2	99.2	7.4	7.4	8.3		6		-				-		-	
						9.4	0.0	40	20.3		8.2		31.7		99.2		7.4		8.3		7		-				-		-	
SR5A	Fine	Moderate	17:26	4.2	Surface	1.0	0.2	282	20.3	20.3	8.1	8.1	31.0	31.0	96.6	96.6	7.3	7.3	5.3	5.5	6	7	-	-	816586	810701	-	-	-	-
						1.0	0.2	289	20.3		8.1		31.0		96.6		7.3		5.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	292	20.3	20.3	8.1	8.1	31.0	31.0	96.5	96.5	7.3	7.3	5.6		9		-				-		-	
						3.2	0.2	311	20.3		8.1		31.0		96.5		7.3		5.6		8		-				-		-	
SR6A	Fine	Moderate	17:58	5.0	Surface	1.0	0.1	193	19.8	19.8	8.1	8.1	30.7	30.7	94.2	94.2	7.2	7.2	6.5	5.6	6	7	-	-	817956	814716	-	-	-	-
						1.0	0.1	204	19.8		8.1		30.7		94.2		7.2		6.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	257	20.3	20.3	8.1	8.1	30.8	30.8	95.9	95.9	7.2	7.2	4.6		7		-				-		-	
						4.0	0.2	264	20.3		8.1		30.8		95.9		7.2		4.6		7		-				-		-	
SR7	Foggy	Moderate	18:33	14.4	Surface	1.0	0.2	342	20.3	20.3	8.1	8.1	32.8	32.8	88.5	88.5	6.6	6.6	3.3	4.4	2	3	-	-	823642	823730	-	-	-	-
						1.0	0.2	352	20.3		8.1		32.8		88.5		6.6		3.4		2		-				-		-	
					Middle	7.2	0.2	27	20.2	20.2	8.1	8.1	33.1	33.1	87.9	87.9	6.6		4.4		3		-				-		-	
						7.2	0.2	27	20.2		8.1		33.1		87.8		6.5		4.4		4		-				-		-	
					Bottom	13.4	0.2	50	20.2	20.2	8.1	8.1	33.2	33.2	88.1	88.1	6.6	6.6	5.5		5		-				-		-	
						13.4	0.2	52	20.2		8.1		33.2		88.0		6.6		5.5		4		-				-		-	
SR8	Foggy	Moderate	16:59	5.4	Surface	1.0	-	-	21.1	21.1	8.1	8.1	29.3	29.3	93.9	93.9	7.0	7.0	4.8	5.7	4	4	-	-	820379	811607	-	-	-	-
						1.0	-	-	21.1		8.1		29.3		93.9		7.0		4.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	21.2	21.2	8.2	8.2	29.6	29.6	93.3	93.3	7.0	7.0	6.6		4		-				-		-	
						4.4	-	-	21.2		8.2		29.6		93.2		7.0		6.6		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 24 March 20 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	Fine	Moderate	12:43	8.2	Surface	1.0	0.4	210	22.0	22.0	8.3	8.3	28.4	28.4	98.2	98.1	7.3	7.2	3.6	4.3	6	7	84	89	815631	804260	<0.2	<0.2	1.3	1.3
						1.0	0.4	228	22.0		8.3		28.4		98.0		7.3		3.6		5		85				<0.2		1.3	
					Middle	4.1	0.2	186	21.1	21.1	8.2	8.2	30.0	30.1	95.1	95.3	7.1		4.4		7		89				<0.2		1.3	
						4.1	0.2	186	21.0		8.2		30.1		95.4		7.1		4.6		6		90				<0.2		1.2	
					Bottom	7.2	0.3	181	20.9	20.9	8.2	8.2	31.4	31.3	95.7	95.8	7.1	7.1	4.8		8		93				<0.2		1.3	
						7.2	0.3	186	20.9		8.2		31.3		95.8		7.1		4.6		8		94				<0.2		1.3	
C2	Fine	Moderate	11:44	11.3	Surface	1.0	0.3	101	22.4	22.4	8.1	8.1	25.7	25.7	92.8	92.8	6.9	6.7	2.7	6.6	6	6	85	88	825687	806935	<0.2	<0.2	1.8	1.9
						1.0	0.3	101	22.4		8.1		25.7		92.7		6.9		2.7		7		85				<0.2		1.8	
					Middle	5.7	0.3	125	21.8	21.8	8.1	8.1	27.9	27.9	87.6	87.6	6.5		7.4		6		88				<0.2		1.8	
						5.7	0.3	126	21.8		8.1		27.9		87.5		6.5		7.6		6		89				<0.2		2.0	
					Bottom	10.3	0.3	173	21.4	21.4	8.1	8.1	29.6	29.6	87.1	87.1	6.5	6.5	9.4		7		90				<0.2		1.9	
						10.3	0.3	176	21.4		8.1		29.6		87.1		6.5		9.9		6		90				<0.2		1.9	
C3	Fine	Moderate	13:44	11.7	Surface	1.0	0.4	82	21.7	21.7	8.2	8.2	30.0	30.0	89.3	89.3	6.6	6.6	1.2	3.0	5	6	84	87	822111	817809	<0.2	<0.2	1.4	1.5
						1.0	0.4	82	21.7		8.2		30.0		89.3		6.6		1.3		5		84				<0.2		1.5	
					Middle	5.9	0.3	99	21.6	21.6	8.2	8.2	30.4	30.4	88.2	88.2	6.5		1.9		6		89				<0.2		1.5	
						5.9	0.3	101	21.6		8.2		30.4		88.2		6.5		2.0		6		85				<0.2		1.5	
					Bottom	10.7	0.2	65	21.0	21.0	8.2	8.2	31.6	31.6	86.8	86.8	6.4	6.4	5.6		6		90				<0.2		1.5	
						10.7	0.3	66	21.0		8.2		31.6		86.8		6.4		5.9		6		90				<0.2		1.4	
IM1	Fine	Calm	12:25	5.2	Surface	1.0	0.2	225	22.1	22.1	8.2	8.2	28.3	28.3	94.9	94.2	7.0	7.0	7.8	10.1	8	8	90	92	817951	807126	<0.2	<0.2	1.4	1.3
						1.0	0.2	235	22.1		8.2		28.4		93.5		6.9		8.6		8		90				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	186	21.5	21.5	8.2	8.2	29.3	29.3	96.8	96.9	7.2	7.2	12.2		8		93				<0.2		1.3	
						4.2	0.1	192	21.5		8.2		29.3		96.9		7.2		11.9		8		93				<0.2		1.3	
IM2	Fine	Moderate	12:19	7.2	Surface	1.0	0.2	199	22.0	22.0	8.3	8.3	28.6	28.6	94.5	94.6	7.0	7.0	7.3	9.3	8	9	89	92	818154	806154	<0.2	<0.2	1.3	1.3
						1.0	0.2	212	22.0		8.3		28.6		94.6		7.0		7.4		8		89				<0.2		1.3	
					Middle	3.6	0.2	184	21.2	21.2	8.3	8.3	30.2	30.2	93.5	93.6	7.0		8.9		9		93				<0.2		1.2	
						3.6	0.2	195	21.2		8.3		30.2		93.6		7.0		9.0		10		93				<0.2		1.3	
					Bottom	6.2	0.2	157	21.1	21.1	8.3	8.3	30.3	30.3	95.3	95.4	7.1	7.1	11.6		10		94				<0.2		1.3	
						6.2	0.2	158	21.1		8.3		30.3		95.5		7.1		11.7		9		95				<0.2		1.2	
IM3	Fine	Moderate	12:13	7.4	Surface	1.0	0.1	217	22.0	22.0	8.3	8.3	28.7	28.7	94.7	94.7	7.0	7.1	6.7	8.0	10	11	87	91	818764	805597	<0.2	<0.2	1.5	1.4
						1.0	0.1	234	22.0		8.3		28.7		94.7		7.0		6.8		10		88				<0.2		1.4	
					Middle	3.7	0.1	130	21.5	21.4	8.2	8.2	29.6	29.7	95.5	95.4	7.1		8.1		10		91				<0.2		1.3	
						3.7	0.1	138	21.4		8.2		29.7		95.3		7.1		8.5		11		92				<0.2		1.4	
					Bottom	6.4	0.2	124	21.3	21.3	8.2	8.2	30.3	30.3	95.8	95.8	7.1	7.1	8.9		12		94				<0.2		1.5	
						6.4	0.2	132	21.3		8.2		30.3		95.8		7.1		8.8		12		94				<0.2		1.3	
IM4	Sunny	Moderate	12:03	8.2	Surface	1.0	0.2	252	22.0	21.9	8.3	8.3	28.6	28.6	96.2	95.8	7.1	7.1	7.6	10.3	9	9	86	90	819711	804614	<0.2	<0.2	1.3	1.3
						1.0	0.2	267	21.8		8.3		28.7		95.3		7.1		7.9		8		87				<0.2		1.3	
					Middle	4.1	0.1	124	21.1	21.1	8.2	8.2	30.4	30.4	93.3	93.3	7.0		10.1		9		90				<0.2		1.3	
						4.1	0.1	134	21.1		8.2		30.4		93.3		7.0		10.2		8		91				<0.2		1.2	
					Bottom	7.2	0.1	100	21.0	21.0	8.2	8.2	30.5	30.5	93.3	93.7	7.0	7.0	13.0		11		93				<0.2		1.2	
						7.2	0.1	100	21.1		8.2		30.5		94.1		7.0		12.9		10		94				<0.2		1.4	
IM5	Sunny	Moderate	11:56	7.5	Surface	1.0	0.3	241	22.3	22.3	8.2	8.2	26.0	26.0	94.7	94.5	7.1	7.0	4.7	8.2	6	6	85	90	820744	804887	<0.2	<0.2	1.4	1.4
						1.0	0.3	247	22.3		8.2		26.0		94.3		7.1		4.8		5		87				<0.2		1.4	
					Middle	3.8	0.1	24	21.4	21.4	8.2	8.2	29.7	29.7	92.0	92.1	6.9		9.0		6		90				<0.2		1.3	
						3.8	0.1	26	21.4		8.2		29.7		92.2		6.9		9.2		5		91				<0.2		1.4	
					Bottom	6.5	0.1	90	21.2	21.2	8.2	8.2	29.9	29.9	93.3	93.4	7.0	7.0	10.6		6		94				<0.2		1.4	
						6.5	0.1	93	21.2		8.2		29.9		93.5		7.0		10.6		7		95				<0.2		1.4	
IM6	Sunny	Moderate	11:50	7.6	Surface	1.0	0.1	213	22.2	22.2	8.2	8.2	25.6	25.6	93.8	93.8	7.0	6.9	5.5	8.2	6	6	87	91	821073	805811	<0.2	<0.2	1.6	1.6
						1.0	0.2	217	22.2		8.2		25.6		93.8		7.0		5.6		6		87				<0.2		1.7	
					Middle	3.8	0.0	20	21.5	21.5	8.2	8.2	29.1	29.1	90.8	90.8	6.8		8.8		6		90				<0.2		1.6	
						3.8	0.0	21	21.5		8.2		29.1		90.8		6.8		8.9		5		91				<0.2		1.7	
					Bottom	6.6	0.2	90	21.5	21.5	8.2	8.2	29.2	29.2	91.8	91.9	6.8	6.8	10.1		6		93				<0.2		1.5	
						6.6	0.2	90	21.5		8.2		29.2		91.9		6.8		10.1		5		95				<0.2		1.6	
IM7	Sunny	Moderate	11:44	8.8	Surface	1.0	0.2	215	22.3	22.3	8.2	8.2	25.6	25.6	91.8	91.8	6.9	6.8	6.0	9.7	6	6	88	90	821365	806838	<0.2	<0.2	1.7	1.8
						1.0	0.2	215	22.3		8.2		25.7		91.7		6.9		6.1		6		88				<0.2		1.8	
					Middle	4.4	0.1	129	21.5	21.5	8.2	8.2	29.0	29.0	90.1	90.1	6.7		10.5		6		89				<0.2		1.8	
						4.4	0.1	131	21.5		8.2		29.0		90.1		6.7		10.5		6		89				<0.2		2.0	
					Bottom	7.8	0.0	139	21.5	21.5	8.2	8.2	29.0	29.0	90.1	90.2	6.7	6.7	12.8		6		92				<0.2		1.8	
						7.8	0.0	141	21.5		8.2		29.1		90.3		6.7		12.5		7		92				<0.2		1.7	
IM8	Fine	Moderate	12:12	7.6	Surface	1.0	0.2	100	22.5	22.5	8.2	8.2	25.5	25.5	92.3	92.2	6.9	6.9	2.4	4.1	6	5	86	88	821811	808144	<0.2	<0.2	1.7	1.7
						1.0	0.2	106	22.5		8.2		25.5		92.1		6.9		2.5		5		86				<0.2		1.7	
					Middle	3.8	0.3	101	21.8	21.8	8.2	8.2	26.7	26.7	90.2	90.4	6.8		4.5		5		86				<0.2		1.7	
						3.8	0.3	102	21.8		8.2		26.7		90.5		6.8		4.5		6		87				<0.2		1.7	
					Bottom	6.6	0.2	63	21.6	21.6	8.3	8.3	29.0	29.0	91.5	91.5	6.8	6.8	5.5		5		90				<0.2		1.7	
						6.6	0.3	63	21.6		8.3		29.0		91.5		6.8		5.3		5		90				<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 24 March 20 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	Moderate	12:19	7.3	Surface	1.0	0.3	100	22.6	22.5	8.2	8.2	25.4	25.4	93.3	93.3	7.0	7.0	2.6	6.7	6	6	86	88	822087	808823	<0.2	<0.2	1.8	1.7
						1.0	0.3	108	22.5		8.2		25.4		93.3		7.0		2.9				86				<0.2		1.7	
					Middle	3.7	0.4	80	21.7	21.7	8.2	8.2	27.9	27.9	91.7	91.7	6.9		7.3		6		88				<0.2		1.7	
						3.7	0.4	87	21.7		8.2		28.0		91.7		6.9		7.6		6		89				<0.2		1.6	
					Bottom	6.3	0.3	71	21.7	21.7	8.3	8.3	28.7	28.7	91.9	92.0	6.8	6.8	9.9		7		90				<0.2		1.7	
						6.3	0.3	77	21.7		8.3		28.7		92.0		6.8		10.0		6		90				<0.2		1.7	
IM10	Fine	Moderate	12:30	7.9	Surface	1.0	0.6	117	22.3	22.3	8.2	8.2	25.8	25.8	91.5	91.5	6.9	6.8	4.5	8.8	4	6	86	89	822386	809775	<0.2	<0.2	1.8	1.8
						1.0	0.6	128	22.2		8.2		25.9		91.5		6.9		5.1		6		86				<0.2		1.7	
					Middle	4.0	0.5	103	21.8	21.8	8.3	8.3	28.3	28.2	89.2	89.2	6.6		9.6		7		90				<0.2		1.8	
						4.0	0.5	106	21.8		8.3		28.2		89.1		6.6		9.7		6		90				<0.2		1.7	
					Bottom	6.9	0.3	117	21.6	21.6	8.2	8.2	29.0	29.0	90.0	90.1	6.7	6.7	12.1		6		90				<0.2		1.7	
						6.9	0.3	122	21.6		8.2		29.0		90.1		6.7		11.8		7		90				<0.2		1.8	
IM11	Fine	Moderate	12:41	7.5	Surface	1.0	0.6	109	22.4	22.4	8.2	8.2	25.9	25.9	91.7	91.7	6.8	6.8	1.6	3.1	5	6	85	88	822036	811456	<0.2	<0.2	1.8	1.7
						1.0	0.7	116	22.4		8.2		25.9		91.6		6.8		1.6		6		86				<0.2		1.6	
					Middle	3.8	0.5	115	22.0	22.0	8.2	8.2	27.9	27.9	90.3	90.2	6.7		2.9		6		88				<0.2		1.7	
						3.8	0.5	121	22.0		8.2		27.9		90.1		6.7		3.1		5		88				<0.2		1.7	
					Bottom	6.5	0.2	126	21.8	21.8	8.2	8.2	28.6	28.6	90.3	90.4	6.7	6.7	4.7		6		90				<0.2		1.6	
						6.5	0.2	129	21.8		8.2		28.6		90.4		6.7		4.7		6		90				<0.2		1.6	
IM12	Fine	Moderate	12:48	9.9	Surface	1.0	0.6	114	22.2	22.2	8.2	8.2	26.3	26.3	89.8	89.8	6.7	6.7	3.8	4.4	10	8	85	88	821474	812065	<0.2	<0.2	1.6	1.7
						1.0	0.6	115	22.2		8.2		26.3		89.8		6.7		3.8		9		85				<0.2		1.7	
					Middle	5.0	0.4	105	21.8	21.8	8.2	8.2	28.7	28.7	88.9	88.9	6.6		4.1		7		89				<0.2		1.6	
						5.0	0.4	110	21.8		8.2		28.7		88.9		6.6		4.3		8		90				<0.2		1.7	
					Bottom	8.9	0.2	93	21.7	21.7	8.2	8.2	29.0	29.0	89.1	89.2	6.6	6.6	5.2		8		90				<0.2		1.7	
						8.9	0.2	93	21.7		8.2		29.0		89.2		6.6		5.1		7		90				<0.2		1.7	
SR1A	Fine	Calm	13:10	4.9	Surface	1.0	-	-	22.7	22.7	8.2	8.2	28.0	28.0	91.9	91.8	6.8	6.8	1.1	1.4	8	7	-	-	819974	812664	-	-	-	-
						1.0	-	-	22.6		8.2		28.0		91.7		6.7		1.2		7		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	22.1	22.2	8.2	8.2	28.5	28.5	90.3	90.5	6.7	6.7	1.7		7		-				-		-	
						3.9	-	-	22.2		8.2		28.4		90.7		6.7		1.5		6		-				-		-	
SR2	Fine	Moderate	13:24	4.4	Surface	1.0	0.5	87	22.4	22.3	8.2	8.2	26.6	26.6	92.0	91.7	6.9	6.9	3.5	4.6	5	5	85	87	821471	814143	<0.2	<0.2	1.2	1.1
						1.0	0.5	90	22.2		8.2		26.7		91.3		6.8		4.0		5		85				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.3	85	22.0	22.0	8.2	8.2	28.8	28.8	91.3	91.3	6.8	6.8	5.5		4		89				<0.2		1.1	
						3.4	0.4	92	22.0		8.2		28.8		91.2		6.8		5.5		5		89				<0.2		1.1	
SR3	Fine	Moderate	12:04	9.2	Surface	1.0	0.2	157	22.3	22.3	8.1	8.1	25.3	25.3	90.5	90.5	6.8	6.8	2.4	8.6	5	5	-	-	822128	807549	-	-	-	-
						1.0	0.2	163	22.3		8.1		25.3		90.4		6.8		2.5		5		-				-		-	
					Middle	4.6	0.2	162	21.8	21.8	8.2	8.2	27.5	27.4	90.6	90.7	6.8		10.6		5		-				-		-	
						4.6	0.2	165	21.8		8.2		27.3		90.7		6.8		10.6		5		-				-		-	
					Bottom	8.2	0.2	59	21.7	21.7	8.2	8.2	29.1	29.1	90.2	90.2	6.7	6.7	12.7		6		-				-		-	
						8.2	0.2	64	21.7		8.2		29.1		90.1		6.7		12.6		5		-				-		-	
SR4A	Fine	Moderate	13:05	8.3	Surface	1.0	0.2	54	21.8	21.8	8.2	8.2	28.9	29.0	94.9	94.8	7.0	7.0	8.5	9.8	10	9	-	-	817200	807825	-	-	-	-
						1.0	0.3	54	21.8		8.2		29.0		94.7		7.0		8.6		10		-				-		-	
					Middle	4.2	0.3	60	21.2	21.2	8.2	8.2	30.0	30.0	93.2	93.3	6.9		10.8		9		-				-		-	
						4.2	0.3	62	21.2		8.2		30.0		93.3		7.0		10.9		10		-				-		-	
					Bottom	7.3	0.3	47	21.2	21.2	8.2	8.2	30.1	30.1	95.1	95.2	7.1	7.1	10.1		9		-				-		-	
						7.3	0.3	51	21.2		8.2		30.1		95.2		7.1		10.0		8		-				-		-	
SR5A	Fine	Calm	13:21	3.7	Surface	1.0	0.1	359	22.8	22.8	8.2	8.2	27.8	27.9	95.5	95.6	7.0	7.0	8.2	8.4	9	9	-	-	816580	810676	-	-	-	-
						1.0	0.1	330	22.7		8.2		27.9		95.6		7.0		8.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	102	22.4	22.6	8.2	8.2	27.9	27.8	96.7	97.0	7.1	7.1	9.0		9		-				-		-	
						2.7	0.1	108	22.8		8.2		27.7		97.2		7.1		8.2		8		-				-		-	
SR6A	Fine	Calm	13:54	4.2	Surface	1.0	0.1	4	22.6	22.5	8.1	8.1	27.7	27.7	95.9	95.9	7.1	7.1	10.4	11.7	8	9	-	-	817960	814753	-	-	-	-
						1.0	0.1	4	22.5		8.1		27.8		95.8		7.1		11.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	340	22.4	22.4	8.0	8.0	27.6	27.6	96.9	96.9	7.2	7.2	12.6		9		-				-		-	
						3.2	0.0	313	22.5		8.0		27.6		96.9		7.2		12.7		9		-				-		-	
SR7	Fine	Moderate	14:13	15.9	Surface	1.0	0.7	59	22.5	22.5	8.2	8.2	29.2	29.2	91.1	91.1	6.7	6.6	2.0	2.1	5	4	-	-	823637	823754	-	-	-	-
						1.0	0.8	62	22.5		8.2		29.2		91.1		6.7		2.0		4		-				-		-	
					Middle	8.0	0.4	25	21.3	21.3	8.2	8.2	31.2	31.2	87.7	87.7	6.5		2.1		4		-				-		-	
						8.0	0.4	26	21.3		8.2		31.2		87.7		6.5		2.1		4		-				-		-	
					Bottom	14.9	0.4	357	21.1	21.1	8.2	8.2	31.5	31.5	87.8	87.8	6.5	6.5	2.3		4		-				-		-	
						14.9	0.4	357	21.1		8.2		31.5		87.8		6.5		2.3		4		-				-		-	
SR8	Fine	Moderate	13:00	5.0	Surface	1.0	-	-	22.5	22.5	8.2	8.2	27.5	27.5	92.1	92.1	6.8	6.8	4.0	4.1	7	6	-	-	820386	811614	-	-	-	-
						1.0	-	-	22.5		8.2		27.5		92.1		6.8		4.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	22.1	22.1	8.2	8.2	28.5	28.5	91.7	91.8	6.8	6.8	4.1		6		-				-		-	
						4.0	-	-	22.1		8.2		28.5		91.8		6.8		4.1		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 March 20 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	Fine	Moderate	08:02	8.2	Surface	1.0	0.4	25	21.6	21.6	8.3	8.3	28.4	28.4	95.0	95.1	7.1	7.1	9.0	10.8	12	10	87	92	815597	804263	<0.2	<0.2	1.1	1.2
						1.0	0.4	27	21.6		8.3		28.4		95.1		7.1		9.2		10		88				<0.2		1.2	
					Middle	4.1	0.4	28	21.3	21.2	8.2	8.2	29.8	29.8	94.7	94.7	7.1		10.1		10		93				<0.2		1.2	
						4.1	0.4	29	21.2		8.2		29.8		94.7		7.1		10.3		10		94				<0.2		1.1	
					Bottom	7.2	0.4	27	21.0	21.0	8.2	8.2	30.9	30.9	95.1	95.2	7.1	7.1	12.9		10		96				<0.2		1.2	
						7.2	0.4	28	21.0		8.2		30.9		95.2		7.1		13.2		9		96				<0.2		1.2	
C2	Cloudy	Moderate	08:47	11.8	Surface	1.0	0.4	26	22.1	22.1	8.0	8.0	24.4	24.4	88.3	88.2	6.7	6.6	3.1	7.6	6	6	85	88	825658	806959	<0.2	<0.2	2.0	1.9
						1.0	0.4	26	22.1		8.0		24.4		88.0		6.7		3.3		5		85				<0.2		1.8	
					Middle	5.9	0.2	20	21.8	21.8	8.0	8.0	25.4	25.4	86.3	86.3	6.5		5.5		5		89				<0.2		1.8	
						5.9	0.2	20	21.8		8.0		25.4		86.3		6.5		6.3		6		89				<0.2		2.0	
					Bottom	10.8	0.2	323	21.5	21.5	8.1	8.1	29.0	29.0	87.0	87.1	6.5	6.5	13.8		5		90				<0.2		2.0	
						10.8	0.3	336	21.5		8.1		29.0		87.1		6.5		13.5		6		91				<0.2		2.0	
C3	Cloudy	Moderate	06:49	10.9	Surface	1.0	0.6	258	21.6	21.6	8.1	8.1	28.7	28.7	89.5	89.5	6.7	6.6	1.6	2.0	4	4	84	87	822118	817826	<0.2	<0.2	1.5	1.6
						1.0	0.7	279	21.6		8.1		28.7		89.4		6.7		1.6		4		84				<0.2		1.6	
					Middle	5.5	0.5	262	21.4	21.4	8.1	8.1	29.9	29.9	86.9	86.8	6.5		1.7		4		86				<0.2		1.4	
						5.5	0.5	265	21.4		8.1		29.9		86.7		6.4		1.7		5		86				<0.2		1.6	
					Bottom	9.9	0.3	254	21.2	21.2	8.1	8.1	30.6	30.6	86.0	86.0	6.4	6.4	2.7		4		90				<0.2		1.6	
						9.9	0.3	263	21.2		8.1		30.6		86.0		6.4		2.7		4		89				<0.2		1.6	
IM1	Fine	Calm	08:20	5.0	Surface	1.0	0.2	18	21.9	21.9	8.2	8.2	27.8	27.8	93.2	93.3	7.0	7.0	7.6	7.3	10	11	89	91	817937	807127	<0.2	<0.2	1.3	1.2
						1.0	0.2	19	21.9		8.2		27.8		93.3		7.0		7.6		10		90				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	327	21.6	21.6	8.2	8.2	29.0	29.0	95.8	96.2	7.1	7.2	7.0		11		91				<0.2		1.1	
						4.0	0.1	343	21.6		8.2		28.9		96.5		7.2		7.1		12		92				<0.2		1.2	
IM2	Fine	Moderate	08:27	7.1	Surface	1.0	0.2	341	21.9	21.9	8.3	8.3	27.6	27.6	92.6	92.5	6.9	6.9	8.4	8.8	11	11	88	92	818157	806165	<0.2	<0.2	1.2	1.2
						1.0	0.3	353	21.9		8.3		27.6		92.3		6.9		8.3		11		89				<0.2		1.1	
					Middle	3.6	0.3	8	21.5	21.5	8.3	8.3	29.0	29.0	90.8	90.8	6.8		8.1		11		91				<0.2		1.2	
						3.6	0.3	8	21.5		8.3		29.0		90.8		6.8		8.1		12		91				<0.2		1.2	
					Bottom	6.1	0.2	358	21.5	21.5	8.2	8.2	29.3	29.3	91.2	91.3	6.8	6.8	10.0		11		95				<0.2		1.2	
						6.1	0.3	329	21.5		8.2		29.3		91.3		6.8		9.9		12		95				<0.2		1.2	
IM3	Fine	Moderate	08:33	7.3	Surface	1.0	0.3	349	21.9	21.9	8.3	8.3	27.0	27.0	93.8	93.8	7.0	6.9	10.6	12.5	14	14	87	92	818766	805604	<0.2	<0.2	1.3	1.2
						1.0	0.3	321	21.9		8.3		27.0		93.8		7.0		10.7		13		88				<0.2		1.2	
					Middle	3.7	0.3	19	21.4	21.4	8.3	8.3	29.2	29.2	91.6	91.7	6.8		12.5		14		93				<0.2		1.2	
						3.7	0.3	20	21.4		8.3		29.2		91.7		6.8		12.5		13		94				<0.2		1.2	
					Bottom	6.3	0.2	5	21.3	21.3	8.2	8.2	29.8	29.8	94.4	94.4	7.0	7.0	14.6		15		95				<0.2		1.2	
						6.3	0.2	5	21.3		8.2		29.8		94.4		7.0		14.3		14		96				<0.2		1.2	
IM4	Fine	Moderate	08:41	8.0	Surface	1.0	0.6	342	21.8	21.8	8.2	8.2	27.6	27.6	94.4	94.4	7.1	7.0	11.3	13.5	13	13	88	92	819715	804621	<0.2	<0.2	1.2	1.3
						1.0	0.7	315	21.8		8.2		27.6		94.4		7.1		11.5		12		88				<0.2		1.3	
					Middle	4.0	0.5	342	21.3	21.3	8.2	8.2	29.8	29.8	91.7	91.7	6.8		13.6		13		91				<0.2		1.3	
						4.0	0.6	345	21.3		8.2		29.8		91.7		6.8		13.8		12		92				<0.2		1.2	
					Bottom	7.0	0.5	345	21.3	21.3	8.2	8.2	29.8	29.8	92.9	93.2	6.9	7.0	15.3		13		97				<0.2		1.2	
						7.0	0.5	317	21.3		8.2		29.8		93.4		7.0		15.7		14		96				<0.2		1.3	
IM5	Fine	Moderate	08:48	7.4	Surface	1.0	0.7	356	21.8	21.8	8.2	8.2	27.6	27.6	93.8	93.8	7.0	6.9	11.5	13.2	15	13	88	93	820734	804869	<0.2	<0.2	1.8	1.8
						1.0	0.8	328	21.8		8.2		27.5		93.8		7.0		11.7		14		89				<0.2		1.8	
					Middle	3.7	0.7	1	21.4	21.4	8.2	8.2	29.2	29.2	91.6	91.6	6.8		12.3		14		93				<0.2		1.7	
						3.7	0.7	1	21.4		8.2		29.2		91.6		6.8		12.5		13		93				<0.2		1.8	
					Bottom	6.4	0.5	2	21.4	21.4	8.3	8.3	29.3	29.3	93.4	94.0	7.0	7.1	15.4		12		96				<0.2		1.7	
						6.4	0.5	2	21.4		8.3		29.3		94.5		7.1		15.9		12		96				<0.2		1.8	
IM6	Fine	Moderate	08:55	7.3	Surface	1.0	0.1	89	22.0	22.0	8.2	8.2	25.1	25.1	93.2	93.2	7.0	7.0	4.6	6.1	7	8	89	92	821038	805847	<0.2	<0.2	1.7	1.7
						1.0	0.1	94	22.0		8.2		25.1		93.1		7.0		4.5		7		90				<0.2		1.8	
					Middle	3.7	0.2	54	21.8	21.8	8.2	8.2	27.0	27.0	91.4	91.4	6.9		5.2		8		93				<0.2		1.8	
						3.7	0.2	58	21.8		8.2		27.0		91.4		6.9		5.3		8		93				<0.2		1.6	
					Bottom	6.3	0.3	46	21.6	21.6	8.2	8.2	28.7	28.7	92.5	92.9	6.9	7.0	8.6		9		94				<0.2		1.8	
						6.3	0.3	46	21.6		8.2		28.7		93.2		7.0		8.5		8		94				<0.2		1.7	
IM7	Fine	Moderate	09:03	8.3	Surface	1.0	0.1	186	22.1	22.1	8.2	8.2	24.5	24.5	91.7	91.5	6.9	7.0	4.4	5.7	6	6	87	92	821353	806830	<0.2	<0.2	1.7	1.7
						1.0	0.1	201	22.1		8.2		24.5		91.2		6.9		4.5		6		88				<0.2		1.6	
					Middle	4.2	0.1	103	22.0	22.0	8.2	8.2	25.0	25.0	92.0	92.3	7.0		5.8		6		91				<0.2		1.7	
						4.2	0.1	108	22.0		8.2		25.0		92.5		7.0		6.0		6		92				<0.2		1.7	
					Bottom	7.3	0.3	78	21.9	21.9	8.2	8.2	28.0	28.0	95.4	95.5	7.1	7.1	6.7		6		96				<0.2		1.7	
						7.3	0.3	79	21.9		8.2		28.0		95.5		7.1		6.5		6		96				<0.2		1.7	
IM8	Cloudy	Moderate	08:19	7.4	Surface	1.0	0.2	88	21.9	21.9	8.1	8.1	25.4	25.4	90.2	90.2	6.8	6.8	2.7	4.2	7	7	84	88	821831	808142	<0.2	<0.2	1.7	1.8
						1.0	0.2	93	21.9		8.1		25.4		90.2		6.8		2.7		7		85				<0.2		1.8	
					Middle	3.7	0.1	87	21.9	21.9	8.1	8.1	25.7	25.7	89.5	89.5	6.8		3.9		6		89				<0.2		1.7	
						3.7	0.1	94	21.9		8.1		25.7		89.4		6.8		4.3		7		89				<0.2		1.8	
					Bottom	6.4	0.2	90	21.8	21.8	8.1	8.1	26.2	26.2	89.8	90.2	6.8	6.8	5.6		6		90				<0.2		1.8	
						6.4	0.2	94	21.8		8.1		26.2		90.5		6.8		5.7		7		90				<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 24 March 20 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	08:13	7.0	Surface	1.0	0.2	82	22.0	22.0	8.1	8.1	25.5	25.5	91.6	91.7	6.9	6.9	3.5	4.7	8	7	85	88	822074	808797	<0.2	<0.2	1.6	1.6
						1.0	0.2	89	22.0		8.1		25.5		91.7		6.9		3.5		7		85				<0.2		1.7	
					Middle	3.5	0.1	115	22.1	22.1	8.1	8.1	25.8	25.8	91.9	91.8	6.9		4.3		8		88				<0.2		1.6	
						3.5	0.1	120	22.1		8.1		25.8		91.6		6.9		4.3		6		88				<0.2		1.5	
					Bottom	6.0	0.1	146	22.1	22.1	8.1	8.1	26.1	26.1	91.8	91.9	6.9	6.9	6.2		6		90				<0.2		1.6	
						6.0	0.1	159	22.1		8.1		26.1		91.9		6.9		6.3		7		90				<0.2		1.6	
IM10	Cloudy	Moderate	08:04	7.5	Surface	1.0	0.6	309	22.0	22.0	8.1	8.1	27.1	27.1	90.9	90.9	6.8	6.8	8.3	12.0	7	7	84	87	822398	809795	<0.2	<0.2	1.5	1.7
						1.0	0.6	337	22.0		8.1		27.1		90.8		6.8		8.4		7		84				<0.2		1.8	
					Middle	3.8	0.4	309	22.1	22.1	8.1	8.1	27.3	27.3	90.7	90.7	6.8		13.2		7		89				<0.2		1.7	
						3.8	0.5	339	22.1		8.1		27.3		90.7		6.8		13.4		8		88				<0.2		1.6	
					Bottom	6.5	0.4	301	22.1	22.1	8.1	8.1	27.4	27.4	90.9	91.0	6.8	6.8	14.5		7		89				<0.2		1.9	
						6.5	0.4	319	22.1		8.1		27.4		91.0		6.8		14.3		8		88				<0.2		1.6	
IM11	Cloudy	Moderate	07:54	7.6	Surface	1.0	0.7	308	21.8	21.8	8.1	8.1	27.7	27.7	89.6	89.6	6.7	6.7	3.8	6.1	8	8	84	86	822046	811465	<0.2	<0.2	1.6	1.5
						1.0	0.7	312	21.8		8.1		27.7		89.5		6.7		3.8		7		84				<0.2		1.4	
					Middle	3.8	0.4	302	21.6	21.6	8.1	8.1	28.6	28.6	88.5	88.6	6.6		6.2		7		85				<0.2		1.5	
						3.8	0.4	306	21.6		8.1		28.6		88.6		6.6		6.2		8		86				<0.2		1.4	
					Bottom	6.6	0.1	43	21.5	21.5	8.1	8.1	29.3	29.3	89.1	89.2	6.6	6.7	8.3		7		89				<0.2		1.4	
						6.6	0.1	47	21.5		8.1		29.3		89.3		6.7		8.3		8		89				<0.2		1.4	
IM12	Cloudy	Moderate	07:45	8.0	Surface	1.0	0.7	282	21.9	21.9	8.1	8.1	27.9	27.9	90.3	90.4	6.7	6.7	7.3	14.4	8	8	85	87	821440	812047	<0.2	<0.2	1.4	1.4
						1.0	0.7	307	21.9		8.1		27.9		90.5		6.7		7.6		8		84				<0.2		1.4	
					Middle	4.0	0.6	280	21.8	21.8	8.1	8.1	28.0	28.0	90.4	90.4	6.7		12.9		9		88				<0.2		1.4	
						4.0	0.6	292	21.8		8.1		28.0		90.4		6.7		13.1		8		88				<0.2		1.4	
					Bottom	7.0	0.4	279	21.7	21.7	8.1	8.1	28.2	28.2	90.7	90.7	6.8	6.8	22.6		8		89				<0.2		1.4	
						7.0	0.4	283	21.7		8.1		28.2		90.6		6.8		22.6		9		89				<0.2		1.5	
SR1A	Cloudy	Calm	07:24	5.1	Surface	1.0	-	-	22.1	22.1	8.1	8.1	26.7	26.8	90.5	90.5	6.8	6.8	1.1	1.2	5	6	-	-	819977	812663	-	-	-	-
						1.0	-	-	22.1		8.1		26.8		90.5		6.8		1.2		6		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	22.1	22.1	8.1	8.1	27.5	27.5	91.2	91.3	6.8	6.8	1.2		8		-				-		-	
						4.1	-	-	22.1		8.1		27.5		91.4		6.8		1.2		6		-				-		-	
SR2	Cloudy	Moderate	07:09	3.6	Surface	1.0	0.4	33	21.8	21.8	8.1	8.1	27.7	27.7	89.7	89.7	6.7	6.7	7.2	10.8	9	9	84	86	821472	814144	<0.2	<0.2	1.4	1.4
						1.0	0.4	34	21.8		8.1		27.7		89.7		6.7		7.4		9		84				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.4	31	21.7	21.7	8.1	8.1	28.2	28.2	90.1	90.1	6.7	6.7	14.1		8		88				<0.2		1.4	
						2.6	0.4	32	21.7		8.1		28.2		90.1		6.7		14.3		10		88				<0.2		1.3	
SR3	Cloudy	Moderate	08:26	9.1	Surface	1.0	0.1	64	22.0	22.0	8.1	8.1	25.1	25.1	89.1	89.1	6.7	6.7	2.6	3.9	6	6	-	-	822135	807583	-	-	-	-
						1.0	0.1	66	22.0		8.1		25.1		89.0		6.7		2.7		5		-				-		-	
					Middle	4.6	0.0	127	21.8	21.8	8.1	8.1	25.9	25.9	88.7	88.8	6.7		3.9		5		-				-		-	
						4.6	0.0	131	21.8		8.1		25.9		88.8		6.7		3.9		6		-				-		-	
					Bottom	8.1	0.1	96	21.8	21.8	8.1	8.1	26.1	26.1	89.2	89.2	6.7	6.7	5.1		5		-				-		-	
						8.1	0.2	102	21.8		8.1		26.1		89.2		6.7		5.1		6		-				-		-	
SR4A	Fine	Moderate	07:39	9.0	Surface	1.0	0.1	60	22.6	22.6	8.2	8.2	27.6	27.6	91.8	91.5	6.8	6.7	6.7	7.9	10	9	-	-	817207	807817	-	-	-	-
						1.0	0.1	60	22.6		8.2		27.6		91.1		6.7		6.8		9		-				-		-	
					Middle	4.5	0.1	65	22.5	22.5	8.2	8.2	27.7	27.7	90.3	90.4	6.7		8.1		9		-				-		-	
						4.5	0.1	70	22.5		8.2		27.8		90.4		6.7		8.1		9		-				-		-	
					Bottom	8.0	0.2	66	21.7	21.7	8.2	8.2	28.8	28.7	92.5	92.6	6.9	6.9	9.0		10		-				-		-	
						8.0	0.2	66	21.8		8.2		28.7		92.6		6.9		8.6		9		-				-		-	
SR5A	Fine	Calm	07:24	4.5	Surface	1.0	0.2	275	22.4	22.4	8.2	8.2	27.7	27.7	91.3	91.5	6.8	6.8	4.5	4.7	6	6	-	-	816582	810691	-	-	-	-
						1.0	0.2	301	22.4		8.2		27.7		91.7		6.8		4.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	276	22.4	22.4	8.2	8.2	27.7	27.7	95.4	95.7	7.1	7.1	4.8		7		-				-		-	
						3.5	0.1	279	22.4		8.2		27.7		95.9		7.1		4.9		6		-				-		-	
SR6A	Fine	Calm	06:57	4.0	Surface	1.0	0.1	187	22.3	22.3	8.0	8.0	27.7	27.7	89.9	89.9	6.7	6.7	2.4	3.2	8	7	-	-	817976	814731	-	-	-	-
						1.0	0.1	192	22.3		8.0		27.7		89.8		6.7		2.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	205	22.3	22.3	8.0	8.0	28.5	28.4	88.9	89.3	6.6	6.6	4.3		7		-				-		-	
						3.0	0.1	222	22.3		8.0		28.4		89.6		6.6		3.8		7		-				-		-	
SR7	Cloudy	Moderate	06:22	15.8	Surface	1.0	0.4	316	21.7	21.7	8.1	8.1	28.7	28.7	90.4	90.5	6.7	6.6	1.3	1.5	5	4	-	-	823632	823725	-	-	-	-
						1.0	0.4	341	21.7		8.1		28.7		90.5		6.7		1.3		4		-				-		-	
					Middle	7.9	0.4	31	21.3	21.3	8.1	8.1	30.2	30.2	86.7	86.7	6.4		1.7		4		-				-		-	
						7.9	0.4	32	21.3		8.1		30.2		86.6		6.4		1.7		4		-				-		-	
					Bottom	14.8	0.3	50	21.0	21.0	8.1	8.1	31.6	31.6	86.3	86.3	6.4	6.4	1.4		4		-				-		-	
						14.8	0.3	53	21.0		8.1		31.6		86.3		6.4		1.5		4		-				-		-	
SR8	Cloudy	Calm	07:36	5.3	Surface	1.0	-	-	22.3	22.3	8.1	8.1	26.8	26.8	91.3	91.3	6.8	6.8	7.1	9.9	8	7	-	-	820378	811645	-	-	-	-
						1.0	-	-	22.3		8.1		26.8		91.3		6.8		7.3		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	22.1	22.1	8.1	8.1	28.0	28.0	91.6	91.6	6.8	6.8	12.6		6		-				-		-	
						4.3	-	-	22.1		8.1		28.0		91.6		6.8		12.4		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 March 20 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	13:34	8.5	Surface	1.0	0.3	244	21.7	21.7	8.4	8.4	29.3	29.3	95.6	95.7	7.1	7.1	3.0	4.4	4	3	83	88	815617	804243	<0.2	<0.2	1.8	1.8
						1.0	0.4	247	21.7		8.4		29.3		95.7		7.1		3.1		3		84				<0.2		1.7	
					Middle	4.3	0.3	228	21.5	21.5	8.4	8.4	30.3	30.2	95.1	95.0	7.0		3.7		4		88				<0.2		1.8	
						4.3	0.3	246	21.5		8.4		30.1		94.9		7.0		4.1		3		89				<0.2		1.8	
					Bottom	7.5	0.4	221	21.4	21.4	8.4	8.4	31.3	31.3	95.4	95.5	7.0	7.0	6.2		2		91				<0.2		1.7	
						7.5	0.4	230	21.4		8.4		31.3		95.5		7.0		6.1		3		92				<0.2		1.7	
C2	Cloudy	Moderate	12:36	11.6	Surface	1.0	0.3	149	22.6	22.6	7.9	7.9	24.9	24.9	90.8	90.8	6.8	6.6	4.9	8.8	4	5	82	85	825675	806935	<0.2	<0.2	1.4	1.6
						1.0	0.4	150	22.6		8.0		24.9		90.7		6.8		5.0		5		83				<0.2		1.6	
					Middle	5.8	0.4	159	21.7	21.7	8.1	8.1	29.1	29.1	86.4	86.4	6.4		7.8		5		85				<0.2		1.6	
						5.8	0.4	162	21.7		8.1		29.1		86.3		6.4		7.9		6		85				<0.2		1.6	
					Bottom	10.6	0.4	155	21.6	21.6	8.2	8.2	29.5	29.5	86.6	86.6	6.4	6.4	13.5		6		88				<0.2		1.5	
						10.6	0.4	162	21.6		8.2		29.5		86.5		6.4		13.5		6		88				<0.2		1.6	
C3	Fine	Moderate	14:33	11.4	Surface	1.0	0.4	66	22.2	22.2	8.2	8.2	28.1	28.1	89.2	89.2	6.6	6.5	4.5	5.4	5	6	84	87	822116	817816	<0.2	<0.2	1.2	1.1
						1.0	0.5	71	22.2		8.2		28.1		89.1		6.6		4.5		6		84				<0.2		1.2	
					Middle	5.7	0.2	87	21.5	21.5	8.2	8.2	30.3	30.3	85.2	85.2	6.3		6.0		6		87				<0.2		1.1	
						5.7	0.2	91	21.5		8.2		30.3		85.1		6.3		6.0		6		87				<0.2		1.1	
					Bottom	10.4	0.1	74	21.5	21.5	8.2	8.2	30.3	30.3	86.3	86.4	6.4	6.4	5.6		6		89				<0.2		1.0	
						10.4	0.1	76	21.5		8.2		30.3		86.4		6.4		5.7		5		89				<0.2		1.1	
IM1	Cloudy	Calm	13:16	5.2	Surface	1.0	0.2	222	22.1	22.1	8.3	8.3	28.9	29.0	93.6	93.6	6.9	6.9	4.5	5.3	7	6	85	86	817928	807144	<0.2	<0.2	1.1	1.1
						1.0	0.2	228	22.1		8.3		29.0		93.9		6.9		4.7		6		86				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	223	22.0	22.0	8.3	8.3	29.3	29.3	94.2	94.4	7.0	7.0	6.0		5		87				<0.2		1.1	
						4.2	0.1	227	22.0		8.3		29.3		94.5		7.0		6.1		7		87				<0.2		1.1	
IM2	Cloudy	Calm	13:09	7.2	Surface	1.0	0.1	189	22.4	22.4	8.2	8.2	28.4	28.5	95.7	95.7	7.1	7.0	5.1	8.1	6	6	85	90	818150	806168	<0.2	<0.2	1.1	1.1
						1.0	0.1	195	22.4		8.2		28.5		95.3		7.0		5.5		6		87				<0.2		1.1	
					Middle	3.6	0.2	194	21.9	21.9	8.2	8.2	29.6	29.6	93.7	93.7	6.9		9.3		5		90				<0.2		1.1	
						3.6	0.2	198	21.9		8.2		29.6		93.7		6.9		9.4		7		91				<0.2		1.0	
					Bottom	6.2	0.2	202	21.8	21.8	8.2	8.2	29.9	29.9	94.9	95.0	7.0	7.0	9.6		5		94				<0.2		1.1	
						6.2	0.2	204	21.8		8.2		29.9		95.1		7.0		9.5		6		95				<0.2		1.1	
IM3	Cloudy	Moderate	13:02	7.6	Surface	1.0	0.2	149	22.0	22.0	8.3	8.3	28.8	28.9	94.5	94.5	7.0	7.0	3.5	5.1	4	4	88	91	818799	805577	<0.2	<0.2	1.1	1.1
						1.0	0.2	155	22.0		8.3		28.9		94.4		7.0		3.6		4		87				<0.2		1.0	
					Middle	3.8	0.2	179	21.8	21.8	8.3	8.3	29.6	29.6	94.3	94.4	7.0		5.7		4		90				<0.2		1.3	
						3.8	0.2	195	21.8		8.3		29.6		94.5		7.0		5.4		5		91				<0.2		1.0	
					Bottom	6.6	0.2	194	21.7	21.7	8.3	8.2	30.1	30.1	94.3	94.5	7.0	7.0	5.9		3		93				<0.2		1.3	
						6.6	0.2	197	21.7		8.2		30.1		94.7		7.0		6.7		4		95				<0.2		1.1	
IM4	Cloudy	Calm	12:54	8.4	Surface	1.0	0.3	206	22.2	22.2	8.2	8.2	27.8	27.8	93.5	93.5	6.9	7.0	2.8	4.4	4	4	88	90	819725	804606	<0.2	<0.2	1.1	1.1
						1.0	0.3	223	22.2		8.2		27.8		93.7		7.0		2.9		5		88				<0.2		1.1	
					Middle	4.2	0.1	194	21.8	21.8	8.2	8.2	29.5	29.5	94.7	94.7	7.0		4.2		4		89				<0.2		1.1	
						4.2	0.1	210	21.8		8.2		29.6		94.7		7.0		4.3		5		89				<0.2		1.2	
					Bottom	7.4	0.2	173	21.5	21.5	8.2	8.2	30.6	30.6	93.7	93.8	6.9	6.9	6.1		4		92				<0.2		1.1	
						7.4	0.2	176	21.5		8.2		30.6		93.9		6.9		5.9		4		92				<0.2		1.1	
IM5	Cloudy	Moderate	12:47	8.4	Surface	1.0	0.3	248	22.0	22.0	8.2	8.2	28.7	28.7	94.3	94.3	7.0	7.0	5.6	7.3	6	7	85	90	820752	804852	<0.2	<0.2	1.0	1.1
						1.0	0.3	262	22.0		8.2		28.8		94.4		7.0		5.7		7		85				<0.2		1.1	
					Middle	4.2	0.3	240	21.6	21.6	8.2	8.2	30.0	30.0	94.1	94.1	7.0		7.4		8		89				<0.2		1.0	
						4.2	0.3	259	21.6		8.2		30.0		94.0		7.0		7.6		6		89				<0.2		1.0	
					Bottom	7.4	0.2	231	21.6	21.6	8.2	8.2	30.3	30.2	94.3	94.4	7.0	7.0	8.8		8		94				<0.2		1.1	
						7.4	0.3	232	21.6		8.2		30.2		94.5		7.0		8.7		9		95				<0.2		1.1	
IM6	Cloudy	Moderate	12:41	7.6	Surface	1.0	0.2	252	22.4	22.4	8.1	8.1	26.4	26.4	93.5	93.5	7.0	7.0	4.9	7.6	6	6	87	92	821052	805832	<0.2	<0.2	1.0	1.2
						1.0	0.2	274	22.4		8.1		26.4		93.5		7.0		4.9		6		88				<0.2		1.0	
					Middle	3.8	0.1	206	22.0	22.0	8.2	8.2	28.8	28.8	93.7	93.7	6.9		8.4		6		91				<0.2		1.1	
						3.8	0.1	212	22.0		8.2		28.8		93.6		6.9		8.9		7		92				<0.2		1.0	
					Bottom	6.6	0.2	142	21.9	21.9	8.2	8.2	29.3	29.3	94.2	94.5	7.0	7.0	9.3		7		96				<0.2		1.6	
						6.6	0.2	148	21.9		8.2		29.3		94.7		7.0		9.4		6		97				<0.2		1.6	
IM7	Cloudy	Moderate	12:34	8.8	Surface	1.0	0.1	134	22.3	22.3	8.2	8.2	26.1	26.1	93.0	93.0	6.9	6.9	4.5	7.6	5	5	86	90	821328	806855	<0.2	<0.2	1.7	1.5
						1.0	0.1	147	22.3		8.2		26.2		93.0		7.0		4.6		5		87				<0.2		1.5	
					Middle	4.4	0.2	127	21.9	21.9	8.3	8.3	29.0	29.0	93.0	93.0	6.9		8.3		5		90				<0.2		1.7	
						4.4	0.2	139	21.9		8.3		29.0		92.9		6.9		8.4		5		91				<0.2		1.6	
					Bottom	7.8	0.1	103	21.9	21.9	8.3	8.3	29.2	29.2	93.5	93.5	6.9	6.9	9.8		4		93				<0.2		1.1	
						7.8	0.1	112	21.9		8.3		29.2		93.4		6.9		9.7		5		94				<0.2		1.2	
IM8	Cloudy	Moderate	13:03	7.6	Surface	1.0	0.2	125	22.4	22.4	7.9	7.9	25.7	25.7	91.7	91.7	6.9	6.9	4.7	8.2	5	5	82	86	821853	808132	<0.2	<0.2	1.5	1.5
						1.0	0.2	125	22.4		7.9		25.7		91.6		6.9		4.7		6		83				<0.2		1.4	
					Middle	3.8	0.2	113	22.0	22.0	8.1	8.1	27.8	27.8	91.5	91.6	6.8		7.1		6		86				<0.2		1.5	
						3.8	0.2	117	22.0		8.1		27.8		91.6		6.8		7.3		4		86				<0.2		1.6	
					Bottom	6.6	0.3	64	21.9	21.9	8.2	8.2	28.6	28.6	91.8	91.8	6.8	6.8	12.6		4		88				<0.2		1.4	
						6.6	0.3	67	21.9		8.2		28.6		91.8		6.8		12.6		4		88				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 March 20 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	13:10	7.3	Surface	1.0	0.3	108	22.6	22.5	8.0	8.0	25.4	25.4	93.4	93.4	7.0	6.9	5.4	9.9	4	5	82	85	822109	808797	<0.2	<0.2	1.6	1.5
						1.0	0.3	114	22.5		8.0		25.4		93.3		7.0		5.5		4		82				<0.2		1.6	
					Middle	3.7	0.3	99	22.0	22.0	8.1	8.1	28.2	28.2	91.8	91.8	6.8		10.3		5		86				<0.2		1.5	
						3.7	0.3	105	22.0		8.1		28.2		91.8		6.8		10.4		5		85				<0.2		1.5	
					Bottom	6.3	0.3	78	21.9	21.9	8.1	8.1	28.7	28.7	92.0	92.0	6.8	6.8	13.8		5		88				<0.2		1.5	
						6.3	0.3	85	21.9		8.1		28.7		91.9		6.8		14.0		6		88				<0.2		1.4	
IM10	Fine	Moderate	13:19	7.9	Surface	1.0	0.5	119	22.6	22.6	8.0	8.0	25.6	25.6	91.9	91.9	6.9	6.8	4.5	9.3	5	5	83	85	822394	809784	<0.2	<0.2	1.4	1.5
						1.0	0.5	119	22.6		8.0		25.6		91.8		6.9		4.6		6		82				<0.2		1.4	
					Middle	4.0	0.5	117	21.9	21.9	8.1	8.1	28.3	28.3	88.4	88.4	6.6		8.5		6		86				<0.2		1.4	
						4.0	0.5	121	22.0		8.1		28.3		88.4		6.6		8.6		5		85				<0.2		1.5	
					Bottom	6.9	0.4	107	21.9	21.9	8.1	8.1	28.5	28.5	88.1	88.2	6.5	6.5	14.7		4		88				<0.2		1.5	
						6.9	0.5	113	21.9		8.1		28.5		88.2		6.5		14.8		5		88				<0.2		1.5	
IM11	Cloudy	Moderate	13:31	9.1	Surface	1.0	0.6	117	22.5	22.5	7.9	7.9	26.4	26.4	90.1	90.1	6.7	6.6	4.9	10.8	5	7	83	86	822064	811437	<0.2	<0.2	1.3	1.4
						1.0	0.6	126	22.5		7.9		26.4		90.0		6.7		4.9		7		83				<0.2		1.4	
					Middle	4.6	0.6	116	22.0	22.0	8.1	8.1	27.9	27.9	87.0	87.0	6.5		10.8		8		86				<0.2		1.5	
						4.6	0.7	120	22.0		8.1		27.9		87.0		6.5		10.9		6		87				<0.2		1.4	
					Bottom	8.1	0.5	114	21.8	21.8	8.1	8.1	28.8	28.8	87.4	87.4	6.5	6.5	16.6		8		88				<0.2		1.4	
						8.1	0.5	124	21.8		8.1		28.8		87.4		6.5		16.5		7		89				<0.2		1.4	
IM12	Fine	Moderate	13:37	8.6	Surface	1.0	0.6	106	22.6	22.6	8.0	8.0	25.8	25.8	92.3	92.3	6.9	6.8	5.5	9.4	5	6	83	86	821437	812036	<0.2	<0.2	1.6	1.5
						1.0	0.6	108	22.6		8.0		25.8		92.2		6.9		5.6		7		83				<0.2		1.4	
					Middle	4.3	0.5	104	22.0	22.0	8.1	8.1	27.9	27.9	88.4	88.4	6.6		8.9		7		87				<0.2		1.5	
						4.3	0.5	107	22.0		8.1		27.9		88.3		6.6		9.0		7		87				<0.2		1.4	
					Bottom	7.6	0.4	104	21.9	21.9	8.1	8.1	28.4	28.4	88.6	88.6	6.6	6.6	13.7		5		88				<0.2		1.5	
						7.6	0.5	111	21.9		8.1		28.4		88.5		6.6		13.9		5		89				<0.2		1.4	
SR1A	Fine	Moderate	13:59	5.1	Surface	1.0	-	-	22.5	22.5	8.2	8.2	26.9	26.9	92.3	92.3	6.8	6.8	5.2	4.8	7	7	-	-	819975	812657	-	-	-	-
						1.0	-	-	22.5		8.2		26.9		92.3		6.8		5.2		6		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	22.5	22.5	8.1	8.1	27.7	27.7	91.8	91.8	6.8	6.8	4.3		8		-				-		-	
						4.1	-	-	22.5		8.1		27.7		91.8		6.8		4.4		8		-				-		-	
SR2	Fine	Moderate	14:12	3.5	Surface	1.0	0.4	96	22.6	22.6	8.2	8.2	26.4	26.4	91.8	91.8	6.8	6.8	5.2	6.2	6	6	85	86	821444	814159	<0.2	<0.2	1.4	1.4
						1.0	0.4	103	22.6		8.2		26.4		91.8		6.8		5.3		6		85				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.2	92	22.2	22.2	8.1	8.1	27.7	27.7	90.9	91.0	6.8	6.8	7.2		6		87				<0.2		1.3	
						2.5	0.2	94	22.2		8.1		27.7		91.0		6.8		7.2		6		87				<0.2		1.4	
SR3	Cloudy	Moderate	12:56	8.8	Surface	1.0	0.2	179	22.3	22.3	8.0	8.0	26.5	26.5	90.8	90.8	6.8	6.8	7.5	10.6	4	5	-	-	822130	807564	-	-	-	-
						1.0	0.2	184	22.3		8.0		26.5		90.8		6.8		7.4		4		-				-		-	
					Middle	4.4	0.1	135	22.0	22.0	8.1	8.1	27.8	27.8	90.3	90.4	6.7		10.8		4		-				-		-	
						4.4	0.1	144	22.0		8.1		27.8		90.4		6.7		10.8		5		-				-		-	
					Bottom	7.8	0.2	89	22.0	22.0	8.1	8.1	28.6	28.6	90.6	90.5	6.7	6.7	13.5		5		-				-		-	
						7.8	0.2	97	22.0		8.1		28.6		90.4		6.7		13.5		5		-				-		-	
SR4A	Cloudy	Calm	13:56	8.0	Surface	1.0	0.2	80	22.2	22.2	8.3	8.3	29.0	29.0	95.4	95.3	7.0	7.0	4.9	5.7	6	6	-	-	817203	807819	-	-	-	-
						1.0	0.2	86	22.2		8.3		29.0		95.2		7.0		5.0		6		-				-		-	
					Middle	4.0	0.2	90	22.0	22.0	8.3	8.3	29.2	29.2	94.0	94.0	6.9		6.4		6		-				-		-	
						4.0	0.2	95	22.0		8.3		29.2		94.0		6.9		6.4		6		-				-		-	
					Bottom	7.0	0.1	118	22.0	22.0	8.4	8.4	29.4	29.4	94.6	94.9	7.0	7.0	6.1		6		-				-		-	
						7.0	0.1	129	22.0		8.4		29.3		95.1		7.0		5.5		6		-				-		-	
SR5A	Cloudy	Calm	14:14	4.8	Surface	1.0	0.1	34	22.6	22.6	8.3	8.3	28.9	28.9	92.5	92.6	6.8	6.8	7.4	8.5	6	6	-	-	816605	810716	-	-	-	-
						1.0	0.1	36	22.6		8.3		28.9		92.6		6.8		7.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	102	22.3	22.4	8.3	8.3	29.0	29.0	94.7	95.1	7.0	7.0	9.6		5		-				-		-	
						3.8	0.1	109	22.4		8.3		29.0		95.4		7.0		9.7		6		-				-		-	
SR6A	Cloudy	Calm	14:40	4.5	Surface	1.0	0.0	29	22.6	22.6	8.3	8.3	28.0	28.0	93.9	94.1	6.9	6.9	7.0	6.7	9	10	-	-	817975	814741	-	-	-	-
						1.0	0.0	29	22.6		8.3		28.0		94.2		6.9		6.7		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	13	22.7	22.7	8.3	8.3	28.1	28.1	95.5	96.1	7.0	7.1	6.5		10		-				-		-	
						3.5	0.1	14	22.8		8.4		28.1		96.6		7.1		6.6		10		-				-		-	
SR7	Fine	Moderate	15:03	16.0	Surface	1.0	0.7	60	22.1	22.1	8.1	8.1	28.9	28.9	91.4	91.4	6.7	6.7	2.5	2.7	4	5	-	-	823614	823722	-	-	-	-
						1.0	0.8	64	22.1		8.1		28.9		91.4		6.7		2.5		6		-				-		-	
					Middle	8.0	0.3	29	21.8	21.8	8.2	8.2	29.7	29.7	88.8	88.8	6.6		2.5		6		-				-		-	
						8.0	0.3	31	21.8		8.2		29.7		88.8		6.6		2.5		4		-				-		-	
					Bottom	15.0	0.3	25	21.6	21.6	8.3	8.3	30.3	30.3	86.3	86.3	6.4	6.4	3.1		5		-				-		-	
						15.0	0.3	27	21.6		8.3		30.3		86.3		6.4		3.1		4		-				-		-	
SR8	Fine	Moderate	13:49	4.9	Surface	1.0	-	-	22.8	22.8	8.1	8.1	26.8	26.8	94.2	94.3	7.0	7.0	4.7	5.1	6	6	-	-	820388	811644	-	-	-	-
						1.0	-	-	22.8		8.1		26.8		94.3		7.0		4.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	22.6	22.6	8.2	8.2	26.9	26.9	91.9	91.9	6.8	6.8	5.5		6		-				-		-	
						3.9	-	-	22.6		8.2		26.9		91.8		6.8		5.5		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 March 20 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	Rainy	Calm	08:32	8.4	Surface	1.0	0.5	57	21.8	21.8	8.1	8.1	28.6	28.6	94.2	94.3	7.0	7.0	7.9	11.3	6	6	83	87	815633	804265	<0.2	<0.2	1.6	1.6
						1.0	0.5	57	21.8		8.1		28.6		94.3		7.0		8.0		7		83				<0.2		1.6	
					Middle	4.2	0.4	49	21.5	21.5	8.2	8.2	30.4	30.4	94.3	94.2	7.0		10.9		6		87				<0.2		1.7	
						4.2	0.5	49	21.5		8.2		30.5		94.0		7.0		11.0		5		87				<0.2		1.6	
					Bottom	7.4	0.5	45	21.4	21.4	8.2	8.2	31.1	31.1	95.3	95.3	7.0	7.0	14.9		5		90				<0.2		1.7	
						7.4	0.5	47	21.4		8.2		31.1		95.3		7.0		15.3		5		91				<0.2		1.4	
C2	Cloudy	Moderate	09:29	12.4	Surface	1.0	0.4	22	22.5	22.5	8.1	8.1	23.9	23.9	90.4	90.4	6.8	6.7	3.6	6.6	3	4	82	85	825664	806967	<0.2	<0.2	1.8	1.8
						1.0	0.4	24	22.5		8.1		23.9		90.3		6.8		3.6		3		82				<0.2		1.7	
					Middle	6.2	0.5	31	22.2	22.2	8.2	8.2	25.8	25.8	86.9	86.8	6.5		6.4		3		85				<0.2		1.9	
						6.2	0.5	33	22.2		8.2		25.8		86.7		6.5		6.7		4		85				<0.2		1.9	
					Bottom	11.4	0.4	357	21.8	21.8	8.3	8.3	28.4	28.3	84.8	84.8	6.3	6.3	9.7		4		88				<0.2		1.9	
						11.4	0.4	328	21.8		8.3		28.3		84.8		6.3		9.4		4		88				<0.2		1.8	
C3	Rainy	Moderate	07:25	11.6	Surface	1.0	0.6	269	22.0	22.0	8.1	8.1	28.0	28.0	89.2	89.2	6.6	6.6	4.4	8.6	4	4	83	86	822110	817789	<0.2	<0.2	1.7	1.7
						1.0	0.6	276	22.0		8.1		28.0		89.2		6.6		4.5		5		83				<0.2		1.7	
					Middle	5.8	0.6	266	21.6	21.6	8.2	8.2	29.6	29.6	87.1	87.1	6.5		7.0		4		86				<0.2		1.8	
						5.8	0.7	272	21.6		8.2		29.6		87.0		6.5		7.1		4		86				<0.2		1.8	
					Bottom	10.6	0.5	260	21.5	21.5	8.2	8.2	30.3	30.3	86.5	86.5	6.4	6.4	14.1		4		89				<0.2		1.6	
						10.6	0.5	282	21.5		8.2		30.3		86.5		6.4		14.2		5		90				<0.2		1.7	
IM1	Cloudy	Calm	08:50	5.1	Surface	1.0	0.2	31	22.0	22.0	8.2	8.2	28.9	29.0	92.9	93.1	6.9	6.9	6.7	7.1	7	7	83	85	817950	807126	<0.2	<0.2	1.3	1.3
						1.0	0.2	33	22.0		8.2		29.1		93.2		6.9		7.0		6		83				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	326	21.9	22.0	8.2	8.2	29.7	29.6	93.8	94.0	6.9	6.9	7.3		7		86				<0.2		1.2	
						4.1	0.1	342	22.0		8.2		29.6		94.2		6.9		7.2		6		86				<0.2		1.3	
IM2	Cloudy	Calm	08:57	7.2	Surface	1.0	0.4	0	22.1	22.1	8.1	8.1	27.9	27.9	93.3	93.4	6.9	6.9	8.8	12.4	8	8	83	86	818167	806171	<0.2	<0.2	1.2	1.7
						1.0	0.4	0	22.0		8.1		27.9		93.5		7.0		9.6		8		82				<0.2		1.2	
					Middle	3.6	0.4	350	21.9	21.9	8.1	8.1	29.3	29.3	93.3	93.4	6.9		13.9		8		86				<0.2		1.2	
						3.6	0.4	322	21.9		8.1		29.3		93.5		6.9		14.1		8		86				<0.2		1.5	
					Bottom	6.2	0.2	337	21.8	21.8	8.2	8.2	29.6	29.6	94.1	94.4	7.0	7.0	14.1		8		90				<0.2		2.5	
						6.2	0.2	351	21.8		8.2		29.6		94.7		7.0		14.0		7		90				<0.2		2.6	
IM3	Cloudy	Calm	09:03	7.4	Surface	1.0	0.3	359	21.8	21.8	8.2	8.2	29.3	29.4	93.3	93.3	6.9	7.0	9.7	11.9	9	9	84	87	818807	805577	<0.2	<0.2	2.4	1.8
						1.0	0.4	330	21.8		8.2		29.4		93.3		6.9		10.0		11		83				<0.2		2.6	
					Middle	3.7	0.4	348	21.8	21.8	8.2	8.2	29.5	29.5	94.3	94.6	7.0		12.1		9		87				<0.2		1.3	
						3.7	0.4	320	21.8		8.2		29.5		94.9		7.0		12.3		10		87				<0.2		1.5	
					Bottom	6.4	0.3	328	21.7	21.7	8.2	8.2	29.7	29.6	93.7	93.7	6.9	6.9	13.5		8		90				<0.2		1.3	
						6.4	0.3	302	21.7		8.2		29.6		93.7		6.9		13.8		9		91				<0.2		1.6	
IM4	Cloudy	Calm	09:13	8.4	Surface	1.0	0.7	343	22.0	22.0	8.2	8.2	28.0	28.1	93.3	93.3	6.9	6.9	10.8	12.9	7	8	83	87	819730	804627	<0.2	<0.2	1.3	2.1
						1.0	0.7	316	22.0		8.2		28.1		93.3		6.9		11.8		8		83				<0.2		1.4	
					Middle	4.2	0.6	341	21.7	21.7	8.2	8.2	29.8	29.8	93.2	93.3	6.9		11.9		8		86				<0.2		2.3	
						4.2	0.7	345	21.7		8.2		29.8		93.3		6.9		12.1		7		87				<0.2		2.4	
					Bottom	7.4	0.6	338	21.7	21.7	8.2	8.2	29.8	29.8	93.6	93.7	6.9	6.9	15.2		8		90				<0.2		2.6	
						7.4	0.6	311	21.7		8.2		29.8		93.7		6.9		15.5		9		91				<0.2		2.7	
IM5	Cloudy	Calm	09:19	7.5	Surface	1.0	0.9	1	21.9	21.9	8.2	8.2	28.5	28.5	92.9	92.8	6.9	6.9	4.3	6.1	3	5	83	87	820714	804869	<0.2	<0.2	1.4	1.5
						1.0	0.9	1	21.9		8.2		28.5		92.7		6.9		4.6		5		82				<0.2		1.2	
					Middle	3.8	0.9	3	21.8	21.8	8.2	8.2	29.5	29.5	92.5	92.5	6.9		5.5		5		87				<0.2		1.6	
						3.8	0.9	3	21.8		8.2		29.5		92.4		6.8		5.8		4		87				<0.2		1.7	
					Bottom	6.5	0.8	5	21.7	21.7	8.2	8.2	29.6	29.6	92.9	93.0	6.9	6.9	8.2		5		91				<0.2		1.5	
						6.5	0.8	5	21.7		8.2		29.6		93.0		6.9		8.1		5		90				<0.2		1.5	
IM6	Cloudy	Calm	09:27	7.4	Surface	1.0	0.0	58	22.4	22.4	8.1	8.1	24.8	24.7	93.0	93.0	7.0	7.0	2.8	6.1	5	6	83	87	821042	805833	<0.2	<0.2	1.3	1.7
						1.0	0.0	60	22.4		8.1		24.7		92.9		7.0		3.0		4		83				<0.2		1.4	
					Middle	3.7	0.2	70	22.2	22.2	8.2	8.2	26.9	27.0	93.0	93.0	6.9		6.2		6		87				<0.2		1.9	
						3.7	0.3	73	22.2		8.2		27.0		93.0		6.9		6.3		6		87				<0.2		1.6	
					Bottom	6.4	0.4	76	22.0	22.0	8.2	8.2	28.7	28.7	93.0	93.1	6.9	6.9	9.3		7		91				<0.2		2.2	
						6.4	0.4	82	22.0		8.2		28.7		93.1		6.9		9.2		5		91				<0.2		2.0	
IM7	Cloudy	Calm	09:35	8.7	Surface	1.0	0.0	324	22.4	22.4	8.1	8.1	24.5	24.4	91.9	91.9	6.9	6.9	3.3	5.3	4	4	82	87	821348	806820	<0.2	<0.2	1.7	1.6
						1.0	0.0	342	22.4		8.1		24.4		91.9		6.9		3.6		3		83				<0.2		1.6	
					Middle	4.4	0.2	100	22.3	22.3	8.1	8.1	25.9	25.9	92.4	92.5	6.9		5.3		3		86				<0.2		1.6	
						4.4	0.2	108	22.3		8.1		26.0		92.5		6.9		5.5		5		87				<0.2		1.7	
					Bottom	7.7	0.2	73	22.0	22.0	8.2	8.2	28.6	28.6	93.7	93.9	6.9	7.0	6.9		4		90				<0.2		1.6	
						7.7	0.2	76	22.0		8.2		28.6		94.1		7.0		7.0		4		91				<0.2		1.6	
IM8	Cloudy	Moderate	09:00	7.7	Surface	1.0	0.3	66	22.5	22.5	8.2	8.2	24.8	24.8	91.2	91.2	6.8	6.8	4.3	8.0	5	5	81	85	821825	808140	<0.2	<0.2	1.6	1.7
						1.0	0.3	69	22.5		8.2		24.8		91.1		6.8		4.3		6		82				<0.2		1.7	
					Middle	3.9	0.2	76	22.4	22.4	8.2	8.2	25.4	25.4	90.3	90.3	6.8		8.2		6		85				<0.2		1.7	
						3.9	0.2	79	22.4		8.2		25.4		90.3		6.8		8.2		6		84				<0.2		1.7	
					Bottom	6.7	0.2	112	22.4	22.4	8.3	8.3	26.0	26.0	91.3	91.3	6.8	6.8	11.6		5		87				<0.2		1.7	
						6.7	0.2	119	22.4		8.3		26.0		91.3		6.8		11.5		4		88				<0.2		1.7	

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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 26 March 20 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	Rainy	Moderate	08:52	7.3	Surface	1.0	0.1	101	22.4	22.4	8.2	8.2	25.3	25.3	92.1	92.1	6.9	6.9	6.5	10.3	5	8	82	85	822111	808834	<0.2	<0.2	1.5	1.6
						1.0	0.1	103	22.4		8.2		25.3		92.0		6.9		6.6		5		81				<0.2		1.6	
					Middle	3.7	0.0	263	22.4	22.4	8.2	8.2	26.0	26.0	91.6	91.6	6.8		11.0		7		85				<0.2		1.5	
						3.7	0.0	268	22.4		8.2		26.0		91.6		6.8		11.1		8		85				<0.2		1.6	
					Bottom	6.3	0.1	207	22.4	22.4	8.2	8.2	26.2	26.2	91.2	91.3	6.8	6.8	13.4		10		88				<0.2		1.5	
						6.3	0.1	220	22.4		8.2		26.2		91.3		6.8		13.4		11		88				<0.2		1.8	
IM10	Cloudy	Moderate	08:42	7.9	Surface	1.0	0.6	307	22.3	22.3	8.2	8.2	26.8	26.8	91.7	91.7	6.8	6.8	9.4	12.4	8	8	82	85	822376	809801	<0.2	<0.2	1.3	1.4
						1.0	0.7	320	22.3		8.2		26.8		91.7		6.8		9.5		7		82				<0.2		1.4	
					Middle	4.0	0.6	305	22.3	22.3	8.2	8.2	27.1	27.1	90.0	89.9	6.7		12.3		8		85				<0.2		1.3	
						4.0	0.7	312	22.3		8.2		27.1		89.8		6.7		12.2		8		85				<0.2		1.4	
					Bottom	6.9	0.6	308	22.3	22.3	8.2	8.2	27.2	27.2	91.0	91.0	6.8	6.8	15.6		7		88				<0.2		1.4	
						6.9	0.6	314	22.3		8.2		27.2		91.0		6.8		15.5		7		88				<0.2		1.3	
IM11	Cloudy	Moderate	08:30	7.4	Surface	1.0	0.6	289	22.1	22.1	8.2	8.2	27.5	27.5	90.1	90.1	6.7	6.6	13.4	15.8	10	15	82	85	822063	811451	<0.2	<0.2	1.3	1.3
						1.0	0.6	310	22.1		8.2		27.5		90.1		6.7		13.7		15		82				<0.2		1.2	
					Middle	3.7	0.5	296	22.1	22.1	8.3	8.3	27.9	27.9	87.4	87.5	6.5		15.3		18		86				<0.2		1.2	
						3.7	0.5	318	22.1		8.3		27.9		87.5		6.5		15.3		25		85				<0.2		1.3	
					Bottom	6.4	0.4	301	22.1	22.1	8.3	8.3	27.9	27.9	87.6	87.6	6.5	6.5	18.4		10		88				<0.2		1.2	
						6.4	0.4	315	22.1		8.3		27.9		87.6		6.5		18.6		9		89				<0.2		1.3	
IM12	Rainy	Moderate	08:22	8.5	Surface	1.0	0.7	286	22.1	22.1	8.2	8.2	27.7	27.7	90.7	90.7	6.7	6.7	11.1	15.4	10	10	83	86	821464	812038	<0.2	<0.2	1.3	1.4
						1.0	0.7	286	22.1		8.2		27.7		90.7		6.7		11.3		9		82				<0.2		1.6	
					Middle	4.3	0.6	287	22.1	22.1	8.3	8.3	27.8	27.8	90.0	90.0	6.7		14.9		10		86				<0.2		1.4	
						4.3	0.6	287	22.1		8.3		27.8		90.0		6.7		14.9		10		86				<0.2		1.3	
					Bottom	7.5	0.5	290	22.0	22.0	8.3	8.3	27.9	27.9	89.7	89.7	6.7	6.7	20.0		9		89				<0.2		1.5	
						7.5	0.6	290	22.0		8.3		27.9		89.7		6.7		19.9		10		89				<0.2		1.2	
SR1A	Rainy	Moderate	08:00	4.7	Surface	1.0	-	-	22.3	22.3	8.1	8.1	27.0	27.0	90.5	90.5	6.7	6.7	4.2	5.1	10	9	-	-	819974	812654	-	-	-	-
						1.0	-	-	22.3		8.1		27.0		90.4		6.7		4.2		8		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	22.3	22.3	8.0	8.0	27.6	27.6	87.7	87.7	6.5	6.5	6.0		8		-				-		-	
						3.7	-	-	22.3		8.0		27.6		87.7		6.5		6.0		8		-				-		-	
SR2	Rainy	Moderate	07:47	4.1	Surface	1.0	0.3	39	22.1	22.1	8.1	8.1	27.6	27.6	89.6	89.6	6.7	6.7	9.1	12.0	10	9	84	86	821458	814147	<0.2	<0.2	1.4	1.4
						1.0	0.4	41	22.1		8.1		27.6		89.5		6.7		9.3		9		85				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.3	36	22.0	22.0	8.1	8.1	28.1	28.1	87.2	87.2	6.5	6.5	14.6		8		87				<0.2		1.5	
						3.1	0.4	38	22.0		8.1		28.1		87.2		6.5		14.8		10		87				<0.2		1.4	
SR3	Cloudy	Moderate	09:08	9.2	Surface	1.0	0.1	66	22.3	22.3	8.1	8.1	24.7	24.7	88.9	88.9	6.7	6.6	2.9	3.9	4	6	-	-	822135	807547	-	-	-	-
						1.0	0.1	68	22.3		8.1		24.7		88.8		6.7		2.9		5		-				-		-	
					Middle	4.6	0.1	63	22.2	22.2	8.2	8.2	25.4	25.4	86.3	86.3	6.5		3.4		6		-				-		-	
						4.6	0.1	66	22.2		8.2		25.4		86.3		6.5		3.5		6		-				-		-	
					Bottom	8.2	0.2	66	22.3	22.3	8.2	8.2	25.6	25.6	88.5	88.5	6.6	6.6	5.3		8		-				-		-	
						8.2	0.2	69	22.3		8.2		25.6		88.5		6.6		5.3		6		-				-		-	
SR4A	Rainy	Calm	08:11	9.0	Surface	1.0	0.0	136	22.5	22.5	8.1	8.1	28.9	28.9	91.2	91.2	6.7	6.7	7.5	8.4	12	12	-	-	817184	807812	-	-	-	-
						1.0	0.0	139	22.5		8.1		28.9		91.2		6.7		7.6		12		-				-		-	
					Middle	4.5	0.1	100	22.4	22.4	8.1	8.1	29.0	29.0	91.4	91.4	6.7		7.8		12		-				-		-	
						4.5	0.1	106	22.4		8.1		29.0		91.4		6.7		8.0		11		-				-		-	
					Bottom	8.0	0.1	83	22.4	22.4	8.2	8.2	29.0	29.0	93.8	94.2	6.9	6.9	9.6		11		-				-		-	
						8.0	0.1	84	22.4		8.2		29.0		94.5		6.9		9.7		11		-				-		-	
SR5A	Rainy	Calm	07:55	4.3	Surface	1.0	0.2	286	22.4	22.4	8.1	8.1	28.6	28.6	90.4	90.4	6.7	6.7	7.0	7.1	12	13	-	-	816615	810695	-	-	-	-
						1.0	0.2	306	22.4		8.1		28.6		90.4		6.7		7.1		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	297	22.4	22.4	8.1	8.1	28.6	28.6	91.1	91.2	6.7	6.7	7.0		13		-				-		-	
						3.3	0.2	302	22.4		8.1		28.6		91.2		6.7		7.3		13		-				-		-	
SR6A	Rainy	Calm	07:22	4.4	Surface	1.0	0.1	213	22.4	22.3	8.0	8.0	28.5	28.5	88.1	88.0	6.5	6.5	5.2	6.7	6	6	-	-	817950	814759	-	-	-	-
						1.0	0.1	223	22.3		8.0		28.5		87.8		6.5		5.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	234	22.1	22.1	8.0	8.0	28.9	28.9	87.7	88.0	6.5	6.5	7.9		6		-				-		-	
						3.4	0.1	244	22.1		8.0		28.9		88.2		6.5		7.8		5		-				-		-	
SR7	Rainy	Moderate	06:55	15.8	Surface	1.0	0.2	62	21.9	21.9	8.2	8.2	28.9	28.9	89.2	89.2	6.6	6.6	2.9	3.3	7	6	-	-	823647	823719	-	-	-	-
						1.0	0.2	68	21.9		8.2		28.9		89.2		6.6		3.0		6		-				-		-	
					Middle	7.9	0.2	84	21.8	21.8	8.2	8.2	29.0	29.0	88.5	88.5	6.6		3.2		6		-				-		-	
						7.9	0.2	85	21.8		8.2		29.0		88.5		6.6		3.3		7		-				-		-	
					Bottom	14.8	0.2	82	21.8	21.8	8.1	8.1	29.2	29.1	88.8	88.8	6.6	6.6	3.6		6		-				-		-	
						14.8	0.3	89	21.8		8.1		29.1		88.8		6.6		3.5		6		-				-		-	
SR8	Cloudy	Moderate	08:12	4.6	Surface	1.0	-	-	22.6	22.5	8.1	8.1	26.7	26.7	91.5	91.5	6.8	6.8	8.2	9.1	9	10	-	-	820386	811619	-	-	-	-
						1.0	-	-	22.5		8.1		26.7		91.4		6.8		8.2		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	22.3	22.3	8.1	8.1	27.2	27.2	89.1	89.1	6.6	6.6	10.1		10		-				-		-	
						3.6	-	-	22.3		8.1		27.2		89.1		6.6		10.0		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 28 March 20 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	Rough	14:40	9.1	Surface	1.0	0.4	227	22.4	22.4	8.2	8.2	26.5	26.5	95.9	95.9	7.1	7.0	5.1	8.9	5	4	82	87	815623	804236	<0.2	<0.2	1.2	1.2
						1.0	0.4	231	22.4		8.2		26.6		95.8		7.1		5.3		5		83				<0.2		1.2	
					Middle	4.6	0.5	231	22.0	22.0	8.2	8.2	29.6	29.7	94.2	94.1	6.9		8.4		4		88				<0.2		1.2	
						4.6	0.5	246	22.0		8.2		29.7		94.0		6.9		8.6		4		87				<0.2		1.2	
					Bottom	8.1	0.4	212	21.6	21.6	8.3	8.3	31.8	31.8	93.8	93.8	6.9	6.9	13.0		4		91				<0.2		1.1	
						8.1	0.4	224	21.6		8.3		31.8		93.8		6.9		12.9		4		91				<0.2		1.2	
C2	Rainy	Rough	13:32	12.8	Surface	1.0	0.5	151	22.6	22.6	8.2	8.2	24.7	24.7	89.4	89.4	6.7	6.6	5.0	8.2	7	6	85	87	825696	806932	<0.2	<0.2	2.3	2.1
						1.0	0.5	158	22.6		8.2		24.7		89.4		6.7		5.1		6		84				<0.2		2.1	
					Middle	6.4	0.4	161	22.4	22.4	8.3	8.3	26.4	26.4	85.8	85.8	6.4		8.3		6		87				<0.2		2.2	
						6.4	0.5	169	22.4		8.3		26.4		85.8		6.4		8.3		5		86				<0.2		2.1	
					Bottom	11.8	0.3	109	22.0	22.0	8.2	8.2	28.9	28.9	87.5	87.6	6.5	6.5	11.2		5		88				<0.2		2.0	
						11.8	0.3	109	22.0		8.2		28.9		87.6		6.5		11.0		5		89				<0.2		2.1	
C3	Cloudy	Moderate	15:37	11.0	Surface	1.0	0.5	82	22.3	22.3	8.3	8.3	27.4	27.4	89.4	89.4	6.6	6.5	4.8	5.2	5	6	85	87	822090	817786	<0.2	<0.2	1.3	1.4
						1.0	0.5	85	22.3		8.3		27.4		89.4		6.6		4.8		5		85				<0.2		1.4	
					Middle	5.5	0.4	91	22.2	22.2	8.3	8.3	27.9	27.9	86.9	86.9	6.4		5.0		5		87				<0.2		1.4	
						5.5	0.4	92	22.2		8.3		27.9		86.9		6.4		5.0		6		88				<0.2		1.4	
					Bottom	10.0	0.4	67	22.0	22.0	8.3	8.3	29.4	29.5	86.2	86.2	6.4	6.4	5.7		6		90				<0.2		1.4	
						10.0	0.4	70	22.0		8.3		29.5		86.2		6.4		5.7		6		89				<0.2		1.4	
IM1	Cloudy	Moderate	14:21	5.4	Surface	1.0	0.2	186	22.6	22.6	8.2	8.2	26.2	26.2	96.5	96.5	7.2	7.2	4.9	6.7	4	5	85	88	817955	807117	<0.2	<0.2	1.2	1.2
						1.0	0.3	196	22.6		8.2		26.2		96.4		7.2		4.9		4		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	168	22.7	22.7	8.2	8.2	26.4	26.4	94.3	94.3	7.0	7.0	8.0		5		90				<0.2		1.2	
						4.4	0.3	175	22.7		8.2		26.5		94.3		7.0		8.8		5		91				<0.2		1.3	
IM2	Cloudy	Moderate	14:13	7.8	Surface	1.0	0.2	157	22.5	22.5	8.2	8.2	26.4	26.4	95.5	95.5	7.1	7.1	1.3	2.5	4	3	84	88	818156	806184	<0.2	<0.2	1.4	1.4
						1.0	0.2	158	22.5		8.2		26.4		95.5		7.1		1.3		4		85				<0.2		1.5	
					Middle	3.9	0.2	170	22.5	22.5	8.2	8.2	27.0	27.0	94.0	94.1	7.0		2.4		3		88				<0.2		1.5	
						3.9	0.2	176	22.5		8.2		27.0		94.2		7.0		2.4		3		89				<0.2		1.4	
					Bottom	6.8	0.2	110	22.3	22.3	8.2	8.2	28.7	28.7	93.1	93.2	6.9	6.9	3.9		3		92				<0.2		1.4	
						6.8	0.2	114	22.3		8.2		28.7		93.2		6.9		3.9		3		92				<0.2		1.4	
IM3	Cloudy	Moderate	14:07	8.1	Surface	1.0	0.3	130	22.6	22.6	8.2	8.2	26.7	26.7	94.4	94.4	7.0	7.0	2.0	5.8	4	4	83	88	818776	805593	<0.2	<0.2	1.6	1.6
						1.0	0.3	137	22.6		8.2		26.6		94.4		7.0		2.0		4		84				<0.2		1.7	
					Middle	4.1	0.1	169	22.4	22.4	8.2	8.2	27.9	27.9	93.0	93.0	6.9		4.1		4		87				<0.2		1.6	
						4.1	0.1	185	22.4		8.2		27.9		93.0		6.9		4.2		4		88				<0.2		1.7	
					Bottom	7.1	0.2	132	22.1	22.1	8.2	8.2	29.5	29.5	92.5	92.5	6.8	6.8	11.2		4		92				<0.2		1.7	
						7.1	0.2	138	22.1		8.2		29.5		92.5		6.8		11.3		4		91				<0.2		1.5	
IM4	Cloudy	Moderate	13:57	8.4	Surface	1.0	0.5	158	22.8	22.8	8.2	8.2	23.4	23.4	93.4	93.4	7.0	7.0	2.0	3.5	4	4	83	87	819711	804611	<0.2	<0.2	1.9	1.9
						1.0	0.5	173	22.8		8.2		23.4		93.3		7.0		2.0		4		83				<0.2		1.8	
					Middle	4.2	0.4	159	22.5	22.5	8.2	8.2	27.3	27.3	93.9	93.9	6.9		2.7		4		87				<0.2		1.9	
						4.2	0.5	159	22.5		8.2		27.3		93.9		6.9		2.6		3		87				<0.2		1.9	
					Bottom	7.4	0.7	159	22.0	22.0	8.2	8.2	29.8	29.8	93.4	93.5	6.9	6.9	5.9		3		92				<0.2		1.8	
						7.4	0.7	163	22.0		8.2		29.8		93.5		6.9		5.9		3		91				<0.2		1.8	
IM5	Cloudy	Rough	13:50	7.6	Surface	1.0	0.4	219	22.8	22.8	8.1	8.1	23.0	23.0	93.2	93.3	7.0	6.9	1.7	4.8	3	3	84	88	820743	804865	<0.2	<0.2	2.0	2.1
						1.0	0.4	230	22.8		8.1		23.0		93.3		7.0		1.7		3		85				<0.2		2.1	
					Middle	3.8	0.3	203	22.4	22.4	8.2	8.2	28.1	28.1	92.4	92.4	6.8		4.8		3		88				<0.2		2.1	
						3.8	0.3	212	22.4		8.2		28.1		92.4		6.8		4.7		3		89				<0.2		2.2	
					Bottom	6.6	0.2	207	22.2	22.2	8.2	8.2	28.9	28.9	93.0	93.0	6.9	6.9	8.0		4		89				<0.2		1.9	
						6.6	0.2	213	22.2		8.2		28.9		93.0		6.9		8.0		4		90				<0.2		2.0	
IM6	Rainy	Rough	13:42	8.0	Surface	1.0	0.3	245	22.8	22.8	8.1	8.1	23.4	23.4	92.8	92.7	7.0	6.9	1.9	6.4	4	5	82	88	821040	805831	<0.2	<0.2	1.8	1.8
						1.0	0.3	257	22.8		8.1		23.4		92.6		7.0		2.0		4		83				<0.2		1.7	
					Middle	4.0	0.3	235	22.6	22.6	8.1	8.1	27.2	27.2	91.8	91.9	6.8		5.7		4		88				<0.2		1.8	
						4.0	0.3	248	22.6		8.1		27.2		91.9		6.8		5.7		5		90				<0.2		1.7	
					Bottom	7.0	0.2	234	22.6	22.6	8.2	8.2	27.5	27.5	91.0	91.1	6.7	6.7	11.4		5		90				<0.2		1.8	
						7.0	0.2	256	22.6		8.2		27.5		91.2		6.7		11.4		5		92				<0.2		1.8	
IM7	Rainy	Rough	13:33	9.2	Surface	1.0	0.2	145	22.8	22.8	8.1	8.1	25.0	25.0	93.8	93.8	7.0	7.0	3.1	7.1	5	5	84	88	821325	806849	<0.2	<0.2	1.6	1.6
						1.0	0.2	157	22.8		8.1		25.0		93.8		7.0		3.2		5		84				<0.2		1.6	
					Middle	4.6	0.2	133	22.5	22.5	8.1	8.1	27.4	27.4	92.9	93.0	6.9		9.2		5		87				<0.2		1.6	
						4.6	0.2	135	22.5		8.1		27.4		93.0		6.9		9.1		5		88				<0.2		1.6	
					Bottom	8.2	0.3	131	22.5	22.5	8.1	8.1	27.4	27.4	92.6	92.6	6.8	6.8	9.0		4		92				<0.2		1.5	
						8.2	0.3	140	22.5		8.1		27.4		92.6		6.8		9.1		4		91				<0.2		1.6	
IM8	Rainy	Rough	14:05	7.7	Surface	1.0	0.2	109	22.8	22.8	8.2	8.2	23.7	23.7	91.0	91.0	6.8	6.7	4.1	6.0	5	5	85	87	821852	808151	<0.2	<0.2	1.7	1.8
						1.0	0.2	117	22.8		8.2		23.7		90.9		6.8		4.1		5		84				<0.2		1.8	
					Middle	3.9	0.1	93	22.7	22.7	8.2	8.2	24.8	24.9	88.9	88.9	6.7		6.0		5		87				<0.2		1.8	
						3.9	0.1	97	22.7		8.2		25.0		88.9		6.6		6.0		5		87				<0.2		1.8	
					Bottom	6.7	0.2	84	22.6	22.6	8.2	8.2	26.8	26.8	91.5	91.6	6.8	6.8	7.8		5		88				<0.2		1.8	
						6.7	0.2	91	22.6		8.2		26.8		91.6		6.8		7.8		5		88				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 March 20 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	Rainy	Rough	14:12	7.0	Surface	1.0	0.3	106	22.8	22.8	8.2	8.2	23.9	23.9	91.3	91.3	6.9	6.8	3.9	5.6	5	5	84	86	822095	808787	<0.2	<0.2	1.8	1.7
						1.0	0.3	113	22.8		8.2		23.9				6.9		3.9		5		84				<0.2		1.7	
					Middle	3.5	0.3	91	22.8	22.8	8.2	8.2	24.1	24.1	89.9	89.9	6.7		5.5		5		86				<0.2		1.8	
						3.5	0.3	93	22.8		8.2		24.1		89.9		6.7		5.6		4		87				<0.2		1.7	
					Bottom	6.0	0.3	81	22.6	22.6	8.1	8.1	26.6	26.6	90.6	90.7	6.7	6.7	7.3		4		88				<0.2		1.7	
						6.0	0.3	81	22.6		8.1		26.6		90.7		6.7		7.3		4		89				<0.2		1.6	
IM10	Rainy	Rough	14:20	7.4	Surface	1.0	0.7	115	22.8	22.8	8.2	8.2	25.0	25.0	93.0	93.0	6.9	6.8	10.5	12.2	5	5	84	87	822379	809780	<0.2	<0.2	1.7	1.7
						1.0	0.7	116	22.8		8.2		25.0		93.0		6.9		10.7		4		85				<0.2		1.7	
					Middle	3.7	0.7	110	22.6	22.6	8.2	8.2	26.3	26.3	88.8	88.8	6.6		8.9		5		87				<0.2		1.9	
						3.7	0.7	116	22.6		8.2		26.3		88.8		6.6		9.0		5		87				<0.2		1.7	
					Bottom	6.4	0.6	106	22.5	22.5	8.2	8.2	26.9	26.9	88.5	88.6	6.6	6.6	17.1		4		89				<0.2		1.7	
						6.4	0.6	112	22.5		8.2		26.9		88.6		6.6		17.0		4		89				<0.2		1.7	
IM11	Rainy	Rough	14:35	9.1	Surface	1.0	0.8	114	22.8	22.8	8.2	8.2	24.3	24.3	92.6	92.7	6.9	6.9	7.1	12.2	5	5	84	87	822062	811447	<0.2	<0.2	1.6	1.6
						1.0	0.8	121	22.8		8.2		24.3		92.7		6.9		7.3		5		85				<0.2		1.7	
					Middle	4.6	0.6	111	22.7	22.7	8.2	8.2	25.1	25.1	91.3	91.3	6.8		12.2		5		86				<0.2		1.5	
						4.6	0.6	117	22.7		8.2		25.1		91.3		6.8		12.2		5		87				<0.2		1.5	
					Bottom	8.1	0.4	117	22.5	22.5	8.2	8.2	26.6	26.6	88.5	88.6	6.6	6.6	17.2		4		89				<0.2		1.6	
						8.1	0.4	126	22.5		8.2		26.6		88.6		6.6		17.0		4		89				<0.2		1.7	
IM12	Rainy	Rough	14:41	8.8	Surface	1.0	0.8	118	22.8	22.8	8.2	8.2	24.1	24.1	92.0	92.1	6.9	6.8	3.9	6.6	5	5	84	87	821465	812062	<0.2	<0.2	1.7	1.6
						1.0	0.8	128	22.8		8.2		24.1		92.1		6.9		3.9		4		85				<0.2		1.5	
					Middle	4.4	0.5	107	22.7	22.7	8.2	8.2	25.3	25.3	88.7	88.7	6.6		7.5		5		86				<0.2		1.5	
						4.4	0.5	110	22.7		8.2		25.3		88.7		6.6		7.5		5		86				<0.2		1.7	
					Bottom	7.8	0.3	75	22.5	22.5	8.2	8.2	26.9	26.9	87.8	87.8	6.5	6.5	8.5		4		89				<0.2		1.6	
						7.8	0.3	75	22.5		8.2		26.9		87.8		6.5		8.5		4		89				<0.2		1.6	
SR1A	Cloudy	Moderate	15:01	4.7	Surface	1.0	-	-	22.7	22.7	8.2	8.2	25.0	25.0	90.2	90.2	6.7	6.7	4.7	4.5	9	8	-	-	819976	812655	-	-	-	-
						1.0	-	-	22.7		8.2		25.0		90.1		6.7		4.7		9		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	22.7	22.7	8.1	8.1	27.1	27.1	87.5	87.5	6.5	6.5	4.3		7		-				-		-	
						3.7	-	-	22.7		8.1		27.1		87.5		6.5		4.3		7		-				-		-	
SR2	Cloudy	Moderate	15:17	4.6	Surface	1.0	0.2	96	22.7	22.7	8.1	8.1	25.2	25.2	91.4	91.5	6.8	6.8	4.4	4.8	4	5	85	86	821442	814185	<0.2	<0.2	1.6	1.7
						1.0	0.2	98	22.7		8.1		25.2		91.5		6.8		4.4		4		85				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	64	22.7	22.7	8.1	8.1	25.5	25.5	90.9	90.9	6.8	6.8	5.1		5		87				<0.2		1.6	
						3.6	0.1	67	22.7		8.1		25.5		90.9		6.8		5.1		5		87				<0.2		1.7	
SR3	Rainy	Rough	13:57	8.6	Surface	1.0	0.0	105	22.8	22.8	8.2	8.2	23.5	23.5	90.7	90.8	6.8	6.7	3.7	5.6	6	5	-	-	822169	807561	-	-	-	-
						1.0	0.0	110	22.8		8.2		23.5		90.8		6.8		3.7		6		-				-		-	
					Middle	4.3	0.0	309	22.6	22.6	8.2	8.2	26.2	26.2	87.8	87.8	6.5		6.2		5		-				-		-	
						4.3	0.0	337	22.6		8.2		26.2		87.8		6.5		6.3		5		-				-		-	
					Bottom	7.6	0.0	191	22.5	22.5	8.1	8.1	26.6	26.6	90.3	90.3	6.7	6.7	6.9		5		-				-		-	
						7.6	0.0	203	22.5		8.1		26.6		90.3		6.7		6.9		5		-				-		-	
SR4A	Cloudy	Calm	15:05	8.6	Surface	1.0	0.2	109	22.7	22.7	8.2	8.2	26.1	26.1	95.0	95.0	7.1	7.0	3.6	6.0	5	6	-	-	817205	807813	-	-	-	-
						1.0	0.3	110	22.7		8.2		26.1		94.9		7.1		3.6		5		-				-		-	
					Middle	4.3	0.1	69	22.7	22.7	8.2	8.2	26.6	26.6	93.5	93.4	6.9		4.9		6		-				-		-	
						4.3	0.1	75	22.7		8.2		26.6		93.3		6.9		5.0		6		-				-		-	
					Bottom	7.6	0.1	94	22.6	22.6	8.2	8.2	27.6	27.6	92.5	92.6	6.8	6.8	9.5		6		-				-		-	
						7.6	0.1	103	22.6		8.2		27.6		92.6		6.8		9.5		6		-				-		-	
SR5A	Cloudy	Calm	15:21	5.0	Surface	1.0	0.1	85	22.7	22.7	8.2	8.2	26.9	26.9	94.1	94.2	7.0	7.0	2.5	4.7	4	4	-	-	816616	810715	-	-	-	-
						1.0	0.1	93	22.7		8.2		26.9		94.2		7.0		2.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	27	22.8	22.8	8.2	8.2	27.4	27.4	93.4	93.5	6.9	6.9	6.7		4		-				-		-	
						4.0	0.2	27	22.8		8.2		27.4		93.5		6.9		6.9		4		-				-		-	
SR6A	Cloudy	Calm	15:51	4.3	Surface	1.0	0.1	0	22.8	22.8	8.2	8.2	27.0	27.0	90.3	90.3	6.7	6.7	6.3	7.0	6	6	-	-	818004	814743	-	-	-	-
						1.0	0.1	0	22.8		8.2		27.0		90.2		6.7		6.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	22	22.9	22.9	8.2	8.2	27.3	27.3	91.0	91.2	6.7	6.7	7.9		5		-				-		-	
						3.3	0.1	22	22.9		8.2		27.3		91.3		6.7		7.5		5		-				-		-	
SR7	Cloudy	Moderate	16:06	16.2	Surface	1.0	0.7	65	22.5	22.5	8.2	8.2	27.2	27.2	92.1	92.2	6.8	6.7	2.5	2.8	4	3	-	-	823621	823763	-	-	-	-
						1.0	0.8	66	22.5		8.2		27.2		92.2		6.8		2.5		4		-				-		-	
					Middle	8.1	0.4	35	22.3	22.3	8.3	8.3	28.4	28.4	88.7	88.7	6.5		3.2		3		-				-		-	
						8.1	0.4	37	22.3		8.3		28.4		88.7		6.5		3.1		3		-				-		-	
					Bottom	15.2	0.3	22	22.0	22.0	8.3	8.3	29.5	29.5	87.2	87.3	6.4	6.4	2.8		3		-				-		-	
						15.2	0.3	23	22.0		8.3		29.5		87.3		6.4		2.8		3		-				-		-	
SR8	Cloudy	Moderate	14:52	4.5	Surface	1.0	-	-	22.8	22.8	8.1	8.1	24.5	24.5	90.9	91.0	6.8	6.8	8.6	9.0	12	10	-	-	820395	811621	-	-	-	-
						1.0	-	-	22.8		8.1		24.5		91.0		6.8		8.7		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	22.8	22.8	8.1	8.1	24.7	24.7	90.8	90.9	6.8	6.8	9.3		8		-				-		-	
						3.5	-	-	22.8		8.1		24.7		90.9		6.8		9.3		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 28 March 20 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	09:16	7.5	Surface	1.0	0.4	32	22.4	22.4	8.1	8.1	26.0	26.0	92.5	92.6	6.9	6.8	3.3	7.6	5	6	84	88	815626	804225	<0.2	<0.2	1.4	1.3
						1.0	0.5	34	22.4		8.1		26.0		92.7		6.9		3.4		5		85				<0.2		1.3	
					Middle	3.8	0.4	47	22.1	22.1	8.1	8.1	29.3	29.3	91.4	91.4	6.7		8.9		5		88				<0.2		1.3	
						3.8	0.5	47	22.1		8.1		29.3		91.4		6.7		9.1		6		88				<0.2		1.2	
					Bottom	6.5	0.4	37	21.8	21.8	8.1	8.1	31.0	31.0	85.7	85.0	6.3	6.3	10.2		6		91				<0.2		1.3	
						6.5	0.4	37	21.8		8.1		31.0		84.3		6.2		10.6		6		91				<0.2		1.3	
C2	Cloudy	Moderate	10:13	12.5	Surface	1.0	0.4	15	22.8	22.8	8.1	8.1	22.8	22.8	88.7	88.7	6.7	6.7	2.6	6.4	<2	2	84	86	825686	806957	<0.2	<0.2	2.2	2.3
						1.0	0.4	16	22.8		8.1		22.8		88.7		6.7		2.7		<2		84				<0.2		2.2	
					Middle	6.3	0.4	7	22.7	22.7	8.2	8.2	24.5	24.5	87.8	87.9	6.6		5.6		2		86				<0.2		2.3	
						6.3	0.4	7	22.7		8.2		24.5		87.9		6.6		5.7		2		86				<0.2		2.3	
					Bottom	11.5	0.2	12	22.1	22.1	8.2	8.2	28.4	28.4	86.3	86.3	6.4	6.4	10.7		2		88				<0.2		2.3	
						11.5	0.3	12	22.1		8.2		28.4		86.3		6.4		10.8		3		87				<0.2		2.3	
C3	Cloudy	Moderate	08:00	10.7	Surface	1.0	0.6	267	22.5	22.5	8.1	8.1	26.9	26.9	89.4	89.4	6.6	6.5	3.9	6.1	3	3	85	86	822108	817788	<0.2	<0.2	1.6	1.6
						1.0	0.7	268	22.5		8.1		26.9		89.4		6.6		3.9		3		84				<0.2		1.6	
					Middle	5.4	0.6	260	22.2	22.2	8.1	8.1	28.5	28.5	86.4	86.4	6.4		5.5		3		87				<0.2		1.6	
						5.4	0.7	285	22.2		8.1		28.5		86.4		6.4		5.6		3		86				<0.2		1.6	
					Bottom	9.7	0.4	267	21.9	21.9	8.1	8.1	29.5	29.5	87.9	87.9	6.5	6.5	8.8		3		88				<0.2		1.8	
						9.7	0.4	282	21.9		8.1		29.5		87.9		6.5		8.8		3		88				<0.2		1.6	
IM1	Cloudy	Moderate	09:33	5.3	Surface	1.0	0.2	331	22.6	22.6	8.1	8.1	27.7	27.7	91.3	91.4	6.7	6.7	6.6	9.1	7	8	86	89	817942	807154	<0.2	<0.2	1.4	1.4
						1.0	0.2	305	22.6		8.1		27.7		91.5		6.7		6.7		7		85				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	339	22.5	22.5	8.1	8.1	28.1	28.1	91.7	91.8	6.8	6.8	11.5		9		92				<0.2		1.4	
						4.3	0.2	356	22.5		8.1		28.1		91.8		6.8		11.6		9		92				<0.2		1.4	
IM2	Cloudy	Moderate	09:41	7.6	Surface	1.0	0.3	352	22.5	22.5	8.1	8.1	27.4	27.4	92.4	92.4	6.8	6.8	5.0	8.7	5	4	86	89	818159	806156	<0.2	<0.2	1.4	1.4
						1.0	0.3	324	22.5		8.1		27.4		92.4		6.8		5.1		4		87				<0.2		1.4	
					Middle	3.8	0.3	347	22.4	22.4	8.1	8.1	28.2	28.2	91.3	91.4	6.7		8.6		5		90				<0.2		1.5	
						3.8	0.3	319	22.4		8.1		28.2		91.4		6.7		8.4		3		90				<0.2		1.4	
					Bottom	6.6	0.2	334	22.4	22.4	8.1	8.1	28.2	28.2	91.9	91.9	6.8	6.8	12.6		3		92				<0.2		1.4	
						6.6	0.2	339	22.4		8.1		28.2		91.9		6.8		12.5		3		91				<0.2		1.4	
IM3	Cloudy	Moderate	09:47	7.8	Surface	1.0	0.3	327	22.6	22.6	8.1	8.1	26.8	26.8	92.9	92.9	6.9	6.9	4.2	8.1	5	5	87	90	818796	805575	<0.2	<0.2	1.4	1.4
						1.0	0.4	348	22.6		8.1		26.8		92.9		6.9		4.2		5		86				<0.2		1.4	
					Middle	3.9	0.3	317	22.4	22.4	8.2	8.2	28.2	28.2	91.9	92.0	6.8		7.8		5		89				<0.2		1.4	
						3.9	0.3	319	22.4		8.2		28.2		92.1		6.8		7.8		5		90				<0.2		1.4	
					Bottom	6.8	0.3	317	22.4	22.4	8.2	8.2	28.3	28.3	92.3	92.4	6.8	6.8	12.3		5		92				<0.2		1.4	
						6.8	0.3	334	22.4		8.2		28.3		92.4		6.8		12.3		5		93				<0.2		1.4	
IM4	Cloudy	Moderate	09:56	8.2	Surface	1.0	0.8	21	22.7	22.7	8.2	8.2	26.4	26.4	93.7	93.7	6.9	6.9	2.5	5.8	6	5	86	89	819738	804585	<0.2	<0.2	1.4	1.4
						1.0	0.9	21	22.7		8.2		26.4		93.7		6.9		2.5		6		86				<0.2		1.4	
					Middle	4.1	0.7	19	22.6	22.6	8.2	8.2	26.5	26.5	93.2	93.2	6.9		3.9		5		90				<0.2		1.4	
						4.1	0.7	20	22.6		8.2		26.5		93.2		6.9		3.7		5		89				<0.2		1.4	
					Bottom	7.2	0.5	13	22.3	22.3	8.2	8.2	28.5	28.5	92.9	92.9	6.9	6.9	11.2		5		92				<0.2		1.4	
						7.2	0.5	13	22.3		8.2		28.5		92.9		6.9		11.2		5		93				<0.2		1.4	
IM5	Cloudy	Moderate	10:04	7.7	Surface	1.0	0.8	8	22.5	22.5	8.2	8.2	27.6	27.6	92.5	92.5	6.8	6.8	8.4	10.5	21	21	86	90	820740	804860	<0.2	<0.2	1.2	1.2
						1.0	0.9	8	22.5		8.2		27.6		92.5		6.8		8.5		21		87				<0.2		1.2	
					Middle	3.9	0.7	14	22.4	22.4	8.2	8.2	27.9	27.9	92.9	92.8	6.9		10.2		21		91				<0.2		1.2	
						3.9	0.8	14	22.4		8.2		27.9		92.7		6.8		10.2		21		91				<0.2		1.3	
					Bottom	6.7	0.5	26	22.4	22.4	8.2	8.2	28.0	28.0	91.9	92.0	6.8	6.8	12.7		22		93				<0.2		1.2	
						6.7	0.5	26	22.4		8.2		28.0		92.0		6.8		12.8		22		93				<0.2		1.2	
IM6	Cloudy	Moderate	10:12	6.9	Surface	1.0	0.1	113	22.8	22.8	8.1	8.1	22.6	22.6	91.7	91.8	6.9	6.9	2.5	4.5	4	6	87	90	821072	805821	<0.2	<0.2	1.8	1.9
						1.0	0.1	121	22.8		8.1		22.6		91.8		6.9		2.5		4		86				<0.2		1.9	
					Middle	3.5	0.2	61	22.7	22.7	8.2	8.2	24.9	24.9	92.4	92.5	6.9		3.3		6		90				<0.2		2.0	
						3.5	0.2	63	22.7		8.2		24.9		92.5		6.9		3.3		6		91				<0.2		1.9	
					Bottom	5.9	0.4	57	22.6	22.6	8.2	8.2	27.2	27.2	92.5	92.5	6.8	6.8	7.6		7		92				<0.2		1.9	
						5.9	0.4	61	22.6		8.2		27.2		92.5		6.8		7.6		7		92				<0.2		1.9	
IM7	Cloudy	Moderate	10:21	8.2	Surface	1.0	0.0	71	22.9	22.9	8.1	8.1	21.0	21.0	90.0	90.0	6.9	6.9	1.5	4.6	3	3	86	90	821332	806826	<0.2	<0.2	2.0	2.2
						1.0	0.0	76	22.9		8.1		21.0		90.0		6.9		1.6		3		86				<0.2		2.2	
					Middle	4.1	0.3	76	22.8	22.8	8.1	8.1	23.3	23.3	90.4	90.4	6.8		2.6		3		90				<0.2		2.2	
						4.1	0.3	83	22.8		8.1		23.3		90.3		6.8		2.5		3		91				<0.2		2.2	
					Bottom	7.2	0.3	73	22.6	22.6	8.2	8.2	27.1	27.1	91.9	91.9	6.8	6.8	9.7		3		92				<0.2		2.3	
						7.2	0.3	77	22.6		8.2		27.1		91.9		6.8		9.8		3		93				<0.2		2.3	
IM8	Cloudy	Moderate	09:32	7.6	Surface	1.0	0.3	49	22.9	22.9	8.1	8.1	19.4	19.4	90.2	90.3	6.9	6.9	3.0	5.0	4	3	83	84	821849	808124	<0.2	<0.2	2.2	2.2
						1.0	0.3	53	22.9		8.1		19.4		90.3		6.9		3.0		3		83				<0.2		2.3	
					Middle	3.8	0.2	56	22.9	22.9	8.1	8.1	21.5	21.5	90.0	90.0	6.8		4.9		3		84				<0.2		2.3	
						3.8	0.2	59	22.9		8.1		21.5		90.0		6.8		4.9		3		84				<0.2		2.1	
					Bottom	6.6	0.0	61	22.8	22.8	8.1	8.1	23.5	23.5	90.6	90.6	6.8	6.8	7.2		3		86				<0.2		2.1	
						6.6	0.0	67	22.8		8.1		23.5		90.6		6.8		7.2		3		85				<0.2		2.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 March 20 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	09:23	7.2	Surface	1.0	0.1	17	22.9	22.9	8.1	8.1	21.9	21.9	91.5	91.5	6.9	6.9	6.6	9.9	4	3	84	85	822108	808822	<0.2	<0.2	2.2	2.3
						1.0	0.1	18	22.9		8.1		21.9		91.4		6.9		6.5		4		83				<0.2		2.3	
					Middle	3.6	0.1	285	22.9	22.9	8.1	8.1	23.5	23.5	90.2	90.3	6.8		8.3		3		85				<0.2		2.2	
						3.6	0.1	292	22.9		8.1		23.5		90.3		6.8		8.4		3		84				<0.2		2.2	
					Bottom	6.2	0.3	280	22.8	22.8	8.2	8.2	24.7	24.7	89.0	89.1	6.7	6.7	14.7		2		86				<0.2		2.7	
						6.2	0.3	287	22.8		8.2		24.7		89.2		6.7		14.7		2		86				<0.2		2.4	
IM10	Cloudy	Moderate	09:15	8.1	Surface	1.0	0.8	302	22.9	22.9	8.2	8.2	24.7	24.7	91.5	91.5	6.8	6.8	3.7	9.6	5	4	83	85	822401	809815	<0.2	<0.2	1.8	1.8
						1.0	0.8	308	22.9		8.2		24.7		91.5		6.8		3.8		4		84				<0.2		1.7	
					Middle	4.1	0.7	307	22.7	22.7	8.2	8.2	26.0	26.0	90.2	90.2	6.7		10.1		4		85				<0.2		1.8	
						4.1	0.7	309	22.7		8.2		26.0		90.1		6.7		10.2		4		84				<0.2		1.7	
					Bottom	7.1	0.6	303	22.7	22.7	8.2	8.2	26.1	26.1	90.0	90.1	6.7	6.7	14.8		4		85				<0.2		1.8	
						7.1	0.6	313	22.7		8.2		26.1		90.1		6.7		15.0		4		86				<0.2		1.8	
IM11	Cloudy	Moderate	09:04	8.0	Surface	1.0	0.8	297	22.8	22.8	8.2	8.2	25.8	25.8	89.8	89.8	6.7	6.5	8.0	13.3	4	4	83	85	822052	811473	<0.2	<0.2	1.7	1.9
						1.0	0.9	300	22.8		8.2		25.8		89.7		6.7		8.2		4		84				<0.2		1.7	
					Middle	4.0	0.6	300	22.4	22.4	8.2	8.2	27.6	27.6	85.7	85.7	6.3		13.3		4		84				<0.2		1.7	
						4.0	0.6	305	22.4		8.2		27.6		85.7		6.3		13.6		4		85				<0.2		1.7	
					Bottom	7.0	0.4	309	22.2	22.2	8.2	8.2	28.1	28.1	86.9	86.9	6.4	6.4	18.2		3		86				<0.2		2.1	
						7.0	0.5	324	22.2		8.2		28.1		86.9		6.4		18.3		3		85				<0.2		2.5	
IM12	Cloudy	Moderate	08:56	8.6	Surface	1.0	0.7	292	22.8	22.8	8.2	8.2	25.2	25.2	91.4	91.4	6.8	6.8	3.3	9.5	4	5	84	85	821456	812065	<0.2	<0.2	1.7	1.9
						1.0	0.8	303	22.8		8.2		25.2		91.4		6.8		3.4		4		83				<0.2		1.7	
					Middle	4.3	0.7	285	22.5	22.5	8.2	8.2	27.0	27.0	89.8	89.8	6.7		8.6		4		85				<0.2		1.8	
						4.3	0.7	290	22.5		8.2		27.0		89.8		6.7		8.6		5		85				<0.2		1.8	
					Bottom	7.6	0.5	287	22.4	22.4	8.2	8.2	27.4	27.4	89.8	89.9	6.6	6.7	16.4		6		87				<0.2		2.0	
						7.6	0.6	311	22.4		8.2		27.4		89.9		6.7		16.5		5		86				<0.2		2.2	
SR1A	Cloudy	Moderate	08:35	4.9	Surface	1.0	-	-	22.7	22.7	8.1	8.1	25.4	25.4	90.1	90.0	6.7	6.7	3.5	3.7	4	4	-	-	819971	812664	-	-	-	-
						1.0	-	-	22.7		8.1		25.4		89.9		6.7		3.5		4		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	22.7	22.7	8.1	8.1	26.5	26.5	87.9	87.9	6.5	6.5	3.9		4		-				-		-	
						3.9	-	-	22.7		8.1		26.5		87.9		6.5		3.9		4		-				-		-	
SR2	Cloudy	Moderate	08:21	4.1	Surface	1.0	0.2	46	22.6	22.6	8.1	8.1	26.3	26.3	90.0	90.0	6.7	6.7	5.6	7.1	4	4	85	86	821460	814157	<0.2	<0.2	1.6	1.7
						1.0	0.2	46	22.6		8.1		26.3		90.0		6.7		5.5		3		86				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	50	22.4	22.4	8.1	8.1	27.3	27.3	89.4	89.5	6.6	6.6	8.7		4		87				<0.2		1.6	
						3.1	0.2	50	22.4		8.1		27.3		89.5		6.6		8.7		4		87				<0.2		1.7	
SR3	Cloudy	Moderate	09:40	9.1	Surface	1.0	0.2	32	22.9	22.9	8.1	8.1	19.2	19.2	89.5	89.5	6.9	6.8	2.6	4.5	3	2	-	-	822123	807585	-	-	-	-
						1.0	0.2	32	22.9		8.1		19.2		89.5		6.9		2.6		3		-				-		-	
					Middle	4.6	0.0	158	22.9	22.9	8.2	8.2	21.9	21.9	88.8	88.8	6.7		3.5		2		-				-		-	
						4.6	0.0	164	22.9		8.2		21.9		88.8		6.7		3.5		2		-				-		-	
					Bottom	8.1	0.2	122	22.6	22.6	8.2	8.2	24.9	24.9	87.9	87.9	6.6	6.6	7.5		2		-				-		-	
						8.1	0.2	125	22.6		8.2		24.9		87.9		6.6		7.5		2		-				-		-	
SR4A	Cloudy	Calm	08:50	9.5	Surface	1.0	0.1	200	22.8	22.8	8.1	8.1	27.4	27.4	90.2	90.3	6.6	6.6	4.2	4.5	6	6	-	-	817182	807799	-	-	-	-
						1.0	0.1	213	22.8		8.1		27.4		90.3		6.6		4.2		6		-				-		-	
					Middle	4.8	0.1	214	22.7	22.7	8.1	8.1	27.7	27.7	89.2	89.3	6.6		5.4		6		-				-		-	
						4.8	0.1	234	22.7		8.1		27.7		89.3		6.6		5.4		6		-				-		-	
					Bottom	8.5	0.1	229	22.7	22.7	8.1	8.1	27.8	27.8	88.6	88.7	6.5	6.5	4.0		7		-				-		-	
						8.5	0.1	247	22.7		8.1		27.8		88.7		6.5		4.0		7		-				-		-	
SR5A	Cloudy	Calm	08:34	5.5	Surface	1.0	0.3	279	22.8	22.8	8.1	8.1	27.9	27.9	88.6	88.6	6.5	6.5	5.7	6.6	10	9	-	-	816569	810679	-	-	-	-
						1.0	0.3	301	22.8		8.1		27.9		88.6		6.5		5.8		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.2	285	22.7	22.7	8.1	8.1	27.9	27.9	89.4	89.4	6.6	6.6	7.3		8		-				-		-	
						4.5	0.3	300	22.7		8.1		27.9		89.4		6.6		7.4		8		-				-		-	
SR6A	Cloudy	Calm	08:08	4.8	Surface	1.0	0.0	186	22.6	22.6	8.1	8.1	27.7	27.7	86.7	86.7	6.4	6.4	4.4	4.8	5	6	-	-	817971	814755	-	-	-	-
						1.0	0.0	198	22.6		8.1		27.7		86.7		6.4		4.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	204	22.6	22.6	8.1	8.1	28.0	28.0	85.6	85.6	6.3	6.3	5.1		6		-				-		-	
						3.8	0.0	216	22.6		8.1		28.0		85.6		6.3		5.1		6		-				-		-	
SR7	Cloudy	Moderate	07:32	15.8	Surface	1.0	0.3	224	22.5	22.5	7.7	7.7	27.0	27.0	90.2	90.2	6.7	6.6	2.5	3.1	5	4	-	-	823637	823752	-	-	-	-
						1.0	0.3	225	22.5		7.7		27.0		90.2		6.7		2.5		5		-				-		-	
					Middle	7.9	0.3	194	22.1	22.1	7.7	7.7	29.0	29.0	88.2	88.2	6.5		2.9		4		-				-		-	
						7.9	0.3	205	22.1		7.7		29.0		88.1		6.5		2.9		4		-				-		-	
					Bottom	14.8	0.6	316	21.9	21.9	7.7	7.7	29.8	29.8	87.4	87.4	6.4	6.4	3.8		3		-				-		-	
						14.8	0.6	328	21.9		7.7		29.8		87.3		6.4		3.9		3		-				-		-	
SR8	Cloudy	Moderate	08:47	4.6	Surface	1.0	-	-	22.8	22.8	8.2	8.2	24.9	24.9	91.2	91.2	6.8	6.8	4.9	7.3	6	5	-	-	820391	811642	-	-	-	-
						1.0	-	-	22.8		8.2		24.9		91.1		6.8		5.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	22.6	22.6	8.2	8.2	26.3	26.3	88.2	88.2	6.5	6.5	9.6		4		-				-		-	
						3.6	-	-	22.6		8.2		26.4		88.2		6.5		9.7		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 March 20 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	Rainy	Rough	16:39	8.8	Surface	1.0	0.3	205	21.6	21.6	7.9	7.9	25.7	25.7	93.6	93.6	7.1	7.0	1.8	4.1	4	3	84	88	815618	804247	<0.2	<0.2	1.2	1.3
						1.0	0.3	224	21.6		7.9		25.7		93.5		7.1		1.9		3		85				<0.2		1.3	
					Middle	4.4	0.3	186	21.7	21.7	7.9	7.9	32.9	32.8	93.6	93.4	6.8		2.8		3		88				<0.2		1.2	
						4.4	0.3	199	21.7		7.9		32.8		93.2		6.8		3.0		3		88				<0.2		1.4	
					Bottom	7.8	0.3	220	21.6	21.6	7.9	7.9	33.9	33.8	92.9	92.9	6.7	6.7	7.8		3		91				<0.2		1.4	
						7.8	0.3	241	21.6		7.9		33.8		92.8		6.7		7.4		3		91				<0.2		1.2	
C2	Rainy	Moderate	15:43	12.3	Surface	1.0	0.3	162	21.9	21.9	8.0	8.0	21.2	21.2	91.1	91.1	7.1	6.9	2.5	5.1	3	3	85	87	825697	806961	<0.2	<0.2	1.7	1.8
						1.0	0.3	168	21.9		8.0		21.2		91.0		7.1		2.5		3		84				<0.2		1.7	
					Middle	6.2	0.1	137	21.9	21.9	8.0	8.0	27.7	27.6	89.0	89.0	6.6		5.5		4		87				<0.2		1.8	
						6.2	0.1	150	21.9		8.0		27.6		89.0		6.6		5.4		3		87				<0.2		1.7	
					Bottom	11.3	0.3	131	21.6	21.6	8.0	8.0	30.9	30.9	89.4	89.5	6.6	6.6	7.4		4		89				<0.2		1.9	
						11.3	0.3	136	21.6		8.0		30.9		89.5		6.6		7.4		3		89				<0.2		1.8	
C3	Rainy	Moderate	17:48	11.2	Surface	1.0	0.1	145	21.7	21.7	8.0	8.0	27.3	27.3	89.7	89.7	6.7	6.7	2.1	4.6	3	4	86	88	822107	817779	<0.2	<0.2	1.1	1.1
						1.0	0.1	149	21.7		8.0		27.3		89.8		6.7		2.1		2		85				<0.2		1.1	
					Middle	5.6	0.1	113	21.7	21.7	8.0	8.0	28.2	28.2	89.4	89.4	6.7		4.0		4		87				<0.2		1.1	
						5.6	0.1	121	21.7		8.0		28.2		89.3		6.7		4.0		4		87				<0.2		1.1	
					Bottom	10.2	0.2	42	21.5	21.5	8.1	8.1	31.1	31.1	88.1	88.2	6.5	6.5	7.8		4		90				<0.2		1.1	
						10.2	0.2	43	21.5		8.1		31.2		88.2		6.5		7.7		4		90				<0.2		1.1	
IM1	Rainy	Rough	16:20	5.1	Surface	1.0	0.1	198	21.7	21.7	7.9	7.9	27.6	27.2	89.4	89.4	6.7	6.7	3.5	4.2	4	4	87	90	817943	807136	<0.2	<0.2	1.1	1.1
						1.0	0.1	206	21.7		7.9		26.8		89.3		6.7		3.8		3		86				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	197	21.7	21.7	7.9	7.9	31.8	31.8	88.8	88.8	6.5	6.5	5.1		4		92				<0.2		1.2	
						4.1	0.1	211	21.7		7.9		31.8		88.5		6.5		4.5		4		93				<0.2		1.1	
IM2	Rainy	Rough	16:13	7.4	Surface	1.0	0.3	153	21.7	21.7	7.9	7.9	28.3	28.3	93.9	93.9	7.0	6.8	4.7	6.1	3	3	86	90	818144	806188	<0.2	<0.2	1.1	1.1
						1.0	0.4	167	21.7		7.9		28.4		93.8		7.0		5.1		3		87				<0.2		1.1	
					Middle	3.7	0.3	153	21.7	21.7	7.9	7.9	32.2	32.2	90.7	90.6	6.6		5.6		3		90				<0.2		1.1	
						3.7	0.3	153	21.7		7.9		32.3		90.4		6.6		6.2		3		91				<0.2		1.1	
					Bottom	6.4	0.2	158	21.7	21.7	7.9	7.9	32.6	32.6	89.8	89.8	6.5	6.5	6.9		4		92				<0.2		1.1	
						6.4	0.3	164	21.7		7.9		32.6		89.7		6.5		7.9		3		93				<0.2		1.2	
IM3	Rainy	Rough	16:07	7.6	Surface	1.0	0.1	175	21.8	21.7	8.0	8.0	28.9	29.0	92.9	92.9	6.9	6.8	3.6	6.4	4	4	87	90	818762	805575	<0.2	<0.2	1.0	1.1
						1.0	0.2	175	21.7		8.0		29.0		92.4		6.9		4.0		4		86				<0.2		1.3	
					Middle	3.8	0.2	143	21.7	21.7	8.0	8.0	32.2	32.2	91.2	91.3	6.7		6.8		4		90				<0.2		1.1	
						3.8	0.2	153	21.7		8.0		32.2		91.3		6.7		7.0		4		90				<0.2		1.1	
					Bottom	6.6	0.1	131	21.7	21.7	8.0	8.0	32.3	32.3	92.8	93.1	6.8	6.8	8.9		4		92				<0.2		1.1	
						6.6	0.1	136	21.7		8.0		32.3		93.3		6.8		8.2		4		93				<0.2		1.2	
IM4	Rainy	Rough	16:00	8.2	Surface	1.0	0.4	191	21.8	21.8	8.0	8.0	26.1	26.4	93.5	93.5	7.1	6.9	2.6	4.0	3	3	86	90	819715	804608	<0.2	<0.2	1.7	1.8
						1.0	0.4	201	21.8		8.0		26.6		93.4		7.0		2.7		2		87				<0.2		1.8	
					Middle	4.1	0.2	152	21.7	21.7	8.0	8.0	32.3	32.3	91.6	91.6	6.7		4.0		2		90				<0.2		1.6	
						4.1	0.2	158	21.7		8.0		32.3		91.5		6.7		4.1		3		90				<0.2		1.7	
					Bottom	7.2	0.2	156	21.7	21.7	8.0	8.0	32.5	32.5	92.0	92.1	6.7	6.7	5.2		3		92				<0.2		1.7	
						7.2	0.3	170	21.7		8.0		32.5		92.2		6.7		5.1		3		92				<0.2		2.0	
IM5	Rainy	Rough	15:53	7.8	Surface	1.0	0.5	215	21.7	21.7	8.0	8.0	23.0	23.1	92.8	92.8	7.1	7.0	1.8	3.5	2	3	87	90	820757	804887	<0.2	<0.2	1.9	1.9
						1.0	0.5	225	21.7		8.0		23.1		92.8		7.1		1.8		3		86				<0.2		2.1	
					Middle	3.9	0.3	224	21.7	21.7	8.0	8.0	27.7	27.8	91.3	91.3	6.8		3.5		3		91				<0.2		2.0	
						3.9	0.4	244	21.7		8.0		28.0		91.2		6.8		3.5		4		91				<0.2		1.9	
					Bottom	6.8	0.1	194	21.7	21.7	7.9	7.9	32.3	32.3	90.5	90.6	6.6	6.6	5.3		4		92				<0.2		1.6	
						6.8	0.1	198	21.7		7.9		32.3		90.7		6.6		5.1		4		93				<0.2		1.7	
IM6	Rainy	Rough	15:46	7.8	Surface	1.0	0.3	220	21.8	21.8	7.9	7.9	22.1	22.1	92.9	92.9	7.2	7.1	2.4	4.0	3	3	86	90	821057	805833	<0.2	<0.2	1.8	1.8
						1.0	0.3	235	21.8		7.9		22.1		92.9		7.2		2.5		3		87				<0.2		1.8	
					Middle	3.9	0.3	237	21.8	21.8	7.9	7.9	27.1	26.9	92.3	92.1	6.9		3.7		3		92				<0.2		1.8	
						3.9	0.3	251	21.8		7.9		26.7		91.9		6.9		3.9		4		91				<0.2		1.9	
					Bottom	6.8	0.1	177	21.7	21.7	7.9	7.9	32.0	32.0	90.8	91.0	6.6	6.7	5.7		3		93				<0.2		1.7	
						6.8	0.1	181	21.7		7.9		32.0		91.2		6.7		5.7		4		93				<0.2		1.9	
IM7	Rainy	Rough	15:39	8.6	Surface	1.0	0.2	232	21.8	21.8	7.9	7.9	21.8	21.8	91.7	91.7	7.1	7.0	2.2	3.4	2	2	86	90	821341	806821	<0.2	<0.2	2.0	2.0
						1.0	0.2	250	21.8		7.9		21.8		91.3		7.1		2.3		2		87				<0.2		2.0	
					Middle	4.3	0.1	15	21.8	21.8	7.9	7.9	27.7	28.6	92.3	92.3	6.9		3.1		2		91				<0.2		2.1	
						4.3	0.1	15	21.8		7.9		29.4		92.3		6.8		3.3		2		90				<0.2		2.0	
					Bottom	7.6	0.1	92	21.7	21.7	7.9	7.9	31.7	31.7	90.7	90.7	6.6	6.6	4.8		2		92				<0.2		2.1	
						7.6	0.1	94	21.7		7.9		31.7		90.6		6.6		4.6		2		93				<0.2		2.0	
IM8	Rainy	Moderate	16:10	8.2	Surface	1.0	0.2	130	21.9	21.9	8.0	8.0	21.8	21.8	93.1	93.1	7.2	7.2	2.2	4.3	4	4	86	88	821816	808156	<0.2	<0.2	2.0	2.0
						1.0	0.2	136	21.9		8.0		21.8		93.0		7.2		2.2		4		85				<0.2		2.0	
					Middle	4.1	0.1	102	21.9	21.9	8.1	8.1	23.1	23.3	92.9	92.9	7.1		3.9		4		88				<0.2		2.1	
						4.1	0.1	107	21.9		8.1		23.6		92.9		7.1		4.0		3		88				<0.2		1.9	
					Bottom	7.2	0.2	87	21.7	21.7	8.1	8.1	30.9	30.9	93.6	93.6	6.9	6.9	6.8		3		89				<0.2		2.1	
						7.2	0.2	91	21.7		8.1		30.9		93.6		6.9		6.5		3		89				<0.2		1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 March 20 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	Rainy	Moderate	16:17	7.8	Surface	1.0	0.4	102	21.8	21.8	8.1	8.1	21.9	21.9	92.6	92.6	7.2	7.2	1.5	2.3	3	3	85	87	822096	808816	<0.2	<0.2	1.7	1.8
						1.0	0.4	105	21.8		8.1		21.9		92.6		7.2		1.5		2		85				<0.2		1.8	
					Middle	3.9	0.3	89	21.9	21.9	8.1	8.1	22.2	22.2	92.7	92.7	7.2		1.9		3		87				<0.2		1.8	
						3.9	0.3	95	21.9		8.1		22.2		92.6		7.1		1.9		3		88				<0.2		1.8	
					Bottom	6.8	0.2	86	21.8	21.8	8.1	8.1	27.6	27.4	92.1	92.2	6.9	6.9	3.4		3		89				<0.2		1.8	
						6.8	0.2	86	21.8		8.1		27.1		92.2		6.9		3.4		4		89				<0.2		1.8	
IM10	Rainy	Moderate	16:29	8.5	Surface	1.0	0.6	95	21.9	21.9	8.1	8.1	23.0	23.0	91.2	91.2	7.0	6.9	2.9	5.6	4	4	85	87	822378	809801	<0.2	<0.2	1.7	1.7
						1.0	0.6	96	21.9		8.1		23.0		91.2		7.0		2.9		3		84				<0.2		1.6	
					Middle	4.3	0.5	85	21.9	21.9	8.1	8.1	26.9	26.9	91.0	91.1	6.8		5.6		3		88				<0.2		1.8	
						4.3	0.6	89	21.9		8.1		26.9		91.1		6.8		5.6		4		88				<0.2		1.7	
					Bottom	7.5	0.5	100	21.8	21.8	8.2	8.2	28.8	28.8	92.9	92.9	6.9	6.9	8.2		5		89				<0.2		1.7	
						7.5	0.5	103	21.8		8.2		28.8		92.9		6.9		8.3		4		89				<0.2		1.6	
IM11	Rainy	Moderate	16:40	9.3	Surface	1.0	0.6	127	21.9	21.9	8.0	8.0	23.1	23.1	89.5	89.4	6.9	6.7	3.4	5.7	3	3	86	88	822054	811439	<0.2	<0.2	1.7	1.7
						1.0	0.6	133	21.9		8.0		23.1		89.3		6.8		3.5		3		85				<0.2		1.8	
					Middle	4.7	0.3	126	21.8	21.8	8.1	8.1	27.5	27.5	87.2	87.2	6.5		6.2		4		88				<0.2		1.7	
						4.7	0.4	126	21.8		8.1		27.5		87.1		6.5		6.3		3		88				<0.2		1.7	
					Bottom	8.3	0.2	123	21.8	21.8	8.0	8.0	28.7	28.6	86.2	86.2	6.4	6.4	7.4		2		89				<0.2		1.6	
						8.3	0.2	131	21.8		8.0		28.6		86.1		6.4		7.3		4		90				<0.2		1.7	
IM12	Rainy	Moderate	16:48	8.6	Surface	1.0	0.6	126	21.9	21.9	8.1	8.1	22.8	22.8	91.3	91.3	7.0	6.9	2.3	3.3	3	3	85	87	821460	812024	<0.2	<0.2	1.8	1.8
						1.0	0.6	128	21.9		8.1		22.8		91.2		7.0		2.3		4		85				<0.2		1.8	
					Middle	4.3	0.3	111	21.9	21.9	8.1	8.1	25.1	25.1	89.8	89.8	6.8		3.3		4		87				<0.2		1.7	
						4.3	0.4	118	21.9		8.1		25.1		89.8		6.8		3.3		3		88				<0.2		1.8	
					Bottom	7.6	0.2	114	21.8	21.8	8.1	8.1	27.8	27.8	87.8	87.9	6.6	6.6	4.3		3		89				<0.2		1.8	
						7.6	0.2	122	21.8		8.1		27.8		88.0		6.6		4.3		3		89				<0.2		1.7	
SR1A	Rainy	Moderate	17:06	5.1	Surface	1.0	-	-	21.8	21.8	8.0	8.0	23.4	23.4	90.4	90.4	6.9	6.9	2.1	2.8	2	3	-	-	819974	812662	-	-	-	-
						1.0	-	-	21.8		8.0		23.4		90.4		6.9		2.1		3		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	21.8	21.8	8.1	8.1	25.9	25.9	91.4	91.5	6.9	6.9	3.4		2		-				-		-	
						4.1	-	-	21.8		8.1		25.9		91.5		6.9		3.4		3		-				-		-	
SR2	Rainy	Moderate	17:22	4.8	Surface	1.0	0.5	125	21.8	21.8	8.0	8.0	23.9	23.9	92.0	92.0	7.0	7.0	1.8	2.0	4	4	86	87	821455	814163	<0.2	<0.2	1.8	1.8
						1.0	0.5	130	21.8		8.0		23.9		91.9		7.0		1.8		4		86				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	140	21.9	21.9	8.1	8.1	24.5	24.5	92.1	92.1	7.0	7.0	2.2		3		88				<0.2		1.7	
						3.8	0.3	148	21.9		8.1		24.5		92.1		7.0		2.2		4		88				<0.2		1.7	
SR3	Rainy	Moderate	16:02	9.4	Surface	1.0	0.2	216	21.9	21.9	8.0	8.0	21.3	21.3	92.4	92.5	7.2	7.1	2.0	3.4	2	2	-	-	822152	807590	-	-	-	-
						1.0	0.2	227	21.9		8.0		21.3		92.5		7.2		2.0		2		-				-		-	
					Middle	4.7	0.0	76	21.9	21.9	8.0	8.0	25.0	25.0	91.4	91.5	6.9		2.8		2		-				-		-	
						4.7	0.0	82	21.9		8.0		25.0		91.5		6.9		2.7		2		-				-		-	
					Bottom	8.4	0.3	62	21.7	21.7	8.1	8.1	31.1	31.0	93.2	93.3	6.8	6.8	5.4		2		-				-		-	
						8.4	0.3	67	21.7		8.1		31.0		93.3		6.8		5.3		3		-				-		-	
SR4A	Rainy	Calm	17:01	8.2	Surface	1.0	0.1	61	21.7	21.7	7.9	7.9	27.7	27.7	92.3	92.3	6.9	6.8	5.4	7.1	4	4	-	-	817170	807810	-	-	-	-
						1.0	0.1	62	21.7		7.9		27.7		92.3		6.9		5.5		4		-				-		-	
					Middle	4.1	0.2	50	21.7	21.7	7.9	7.9	31.9	31.9	91.8	91.7	6.7		7.3		4		-				-		-	
						4.1	0.2	51	21.7		7.9		31.9		91.6		6.7		7.5		4		-				-		-	
					Bottom	7.2	0.1	72	21.7	21.7	7.8	7.8	32.1	32.1	91.3	91.3	6.7	6.7	8.3		4		-				-		-	
						7.2	0.1	76	21.7		7.8		32.1		91.3		6.7		8.5		4		-				-		-	
SR5A	Rainy	Calm	17:18	4.9	Surface	1.0	0.1	11	21.7	21.7	7.9	7.9	25.0	25.0	88.2	88.1	6.7	6.7	3.6	4.5	4	4	-	-	816600	810718	-	-	-	-
						1.0	0.1	11	21.7		7.9		25.0		88.0		6.7		3.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	179	21.8	21.8	7.8	7.8	28.5	28.4	88.3	88.6	6.6	6.6	5.2		3		-				-		-	
						3.9	0.1	190	21.8		7.8		28.4		88.8		6.6		5.2		4		-				-		-	
SR6A	Rainy	Calm	17:44	4.0	Surface	1.0	0.1	253	21.9	21.9	7.9	7.9	26.7	26.7	83.6	83.7	6.3	6.3	6.5	6.7	7	7	-	-	817968	814731	-	-	-	-
						1.0	0.1	260	21.9		7.9		26.7		83.7		6.3		6.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	258	21.8	21.8	7.8	7.7	28.2	28.2	86.0	86.1	6.4	6.4	7.0		7		-				-		-	
						3.0	0.1	264	21.8		7.7		28.2		86.1		6.4		6.9		7		-				-		-	
SR7	Rainy	Moderate	18:20	15.7	Surface	1.0	0.5	70	21.8	21.8	8.0	8.0	25.6	25.6	91.0	91.0	6.9	6.9	1.5	1.4	4	4	-	-	823621	823720	-	-	-	-
						1.0	0.5	72	21.8		8.0		25.6		91.0		6.9		1.6		4		-				-		-	
					Middle	7.9	0.3	58	21.8	21.8	8.0	8.0	26.1	26.1	91.0	91.0	6.9		1.4		4		-				-		-	
						7.9	0.3	59	21.8		8.0		26.1		90.9		6.9		1.5		5		-				-		-	
					Bottom	14.7	0.2	90	21.7	21.7	8.0	8.0	29.6	29.7	89.7	89.7	6.6	6.6	1.2		5		-				-		-	
						14.7	0.2	97	21.7		8.0		29.7		89.6		6.6		1.2		4		-				-		-	
SR8	Rainy	Moderate	16:58	4.9	Surface	1.0	-	-	21.9	21.9	8.1	8.1	24.2	24.2	91.6	91.6	7.0	7.0	4.3	4.5	6	6	-	-	820398	811643	-	-	-	-
						1.0	-	-	21.9		8.1		24.2		91.6		7.0		4.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	22.0	22.0	8.1	8.1	25.1	25.0	92.1	92.2	7.0	7.0	4.7		7		-				-		-	
						3.9	-	-	22.0		8.1		25.0		92.2		7.0		4.7		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 March 20 during Mid-Flood Tide

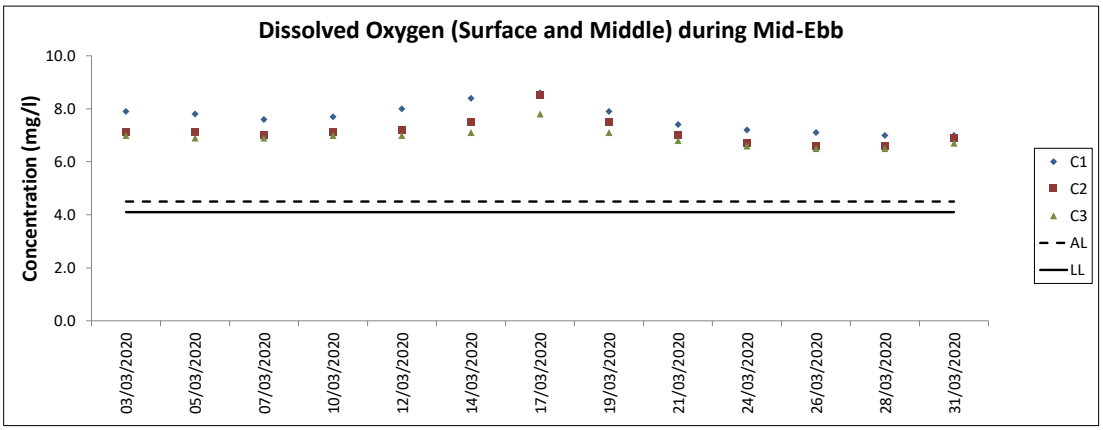
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Rainy	Moderate	10:22	8.2	Surface	1.0	0.4	34	21.7	21.7	7.9	7.9	26.4	26.3	93.6	93.6	7.1	6.9	3.5	5.7	3	3	83	88	815599	804236	<0.2	<0.2	1.7	1.8
						1.0	0.4	36	21.7		7.9		26.2		93.5		7.1		3.9		4		84				<0.2		1.7	
					Middle	4.1	0.3	38	21.7	21.7	7.9	7.9	32.6	32.6	92.5	92.3	6.7		6.6		3		88				<0.2		1.9	
						4.1	0.4	39	21.7		7.9		32.6		92.1		6.7		7.0		3		88				<0.2		1.8	
					Bottom	7.2	0.4	31	21.7	21.7	7.8	7.8	33.1	33.1	90.7	90.7	6.6	6.6	6.5		3		91				<0.2		1.7	
						7.2	0.4	33	21.7		7.8		33.1		90.6		6.6		6.4		3		92				<0.2		1.8	
C2	Rainy	Moderate	11:23	12.8	Surface	1.0	0.4	354	22.1	22.1	8.0	8.0	21.4	21.4	90.1	90.1	7.0	6.8	2.4	4.8	4	4	85	87	825701	806936	<0.2	<0.2	2.0	2.0
						1.0	0.4	326	22.1		8.0		21.4		90.1		7.0		2.4		4		84				<0.2		1.9	
					Middle	6.4	0.4	8	21.9	21.9	8.1	8.1	26.9	26.9	88.4	88.4	6.6		4.6		3		87				<0.2		1.9	
						6.4	0.4	8	21.9		8.1		26.9		88.3		6.6		4.6		4		86				<0.2		2.0	
					Bottom	11.8	0.4	348	21.8	21.8	8.1	8.1	29.1	29.1	87.4	87.5	6.5	6.5	7.5		3		89				<0.2		2.0	
						11.8	0.4	320	21.8		8.1		29.1		87.5		6.5		7.4		3		89				<0.2		1.9	
C3	Rainy	Moderate	09:13	12.3	Surface	1.0	0.3	259	21.9	21.9	8.0	8.0	24.4	24.4	91.1	91.2	6.9	6.8	1.6	2.3	5	4	84	87	822105	817787	<0.2	<0.2	1.7	1.7
						1.0	0.3	268	21.9		8.0		24.4		91.2		6.9		1.6		4		85				<0.2		1.7	
					Middle	6.2	0.3	254	21.8	21.8	8.0	8.0	28.3	28.3	89.4	89.4	6.7		1.8		4		87				<0.2		1.6	
						6.2	0.4	261	21.8		8.0		28.3		89.4		6.7		1.8		4		87				<0.2		1.8	
					Bottom	11.3	0.4	279	21.5	21.5	8.0	8.0	31.3	31.3	89.0	89.0	6.5	6.5	3.5		3		90				<0.2		1.6	
						11.3	0.4	285	21.5		8.0		31.3		88.9		6.5		3.5		3		89				<0.2		1.7	
IM1	Rainy	Moderate	10:41	5.2	Surface	1.0	0.3	2	21.7	21.7	7.9	7.9	26.6	26.6	90.3	90.3	6.8	6.8	5.5	6.3	2	3	85	88	817940	807152	<0.2	<0.2	1.5	1.6
						1.0	0.3	2	21.7		7.9		26.6		90.2		6.8		5.6		3		85				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	0	21.7	21.7	7.9	7.9	32.1	32.1	88.6	88.3	6.5	6.5	7.2		2		91				<0.2		1.5	
						4.2	0.2	0	21.7		7.9		32.1		87.9		6.4		6.7		3		91				<0.2		1.6	
IM2	Rainy	Moderate	10:48	7.0	Surface	1.0	0.2	3	21.7	21.7	7.9	7.9	27.2	27.2	93.5	93.5	7.0	6.9	2.5	4.6	3	4	83	87	818153	806182	<0.2	<0.2	1.4	1.4
						1.0	0.2	3	21.7		7.9		27.2		93.5		7.0		2.5		3		83				<0.2		1.4	
					Middle	3.5	0.3	18	21.8	21.8	7.9	7.9	30.6	30.5	92.8	92.8	6.8		3.4		3		87				<0.2		1.3	
						3.5	0.3	19	21.8		7.9		30.5		92.8		6.8		3.7		4		87				<0.2		1.5	
					Bottom	6.0	0.2	344	21.7	21.7	7.9	7.9	32.1	32.1	90.4	90.2	6.6	6.6	8.0		4		92				<0.2		1.5	
						6.0	0.2	316	21.7		7.9		32.1		89.9		6.6		7.4		5		92				<0.2		1.4	
IM3	Rainy	Moderate	10:54	7.6	Surface	1.0	0.2	349	21.7	21.7	7.9	7.9	27.3	27.3	93.8	93.8	7.0	6.9	7.0	8.2	4	5	84	88	818804	805573	<0.2	<0.2	1.2	1.2
						1.0	0.3	321	21.7		7.9		27.3		93.8		7.0		7.2		5		84				<0.2		1.0	
					Middle	3.8	0.3	351	21.7	21.7	7.9	7.9	31.9	32.0	92.5	92.4	6.8		8.3		5		87				<0.2		1.3	
						3.8	0.3	323	21.7		7.9		32.0		92.3		6.7		8.1		5		88				<0.2		1.3	
					Bottom	6.6	0.2	323	21.7	21.7	7.9	7.9	32.2	32.2	91.2	91.2	6.7	6.7	9.6		5		92				<0.2		1.3	
						6.6	0.2	344	21.7		7.9		32.2		91.1		6.6		9.0		5		91				<0.2		1.3	
IM4	Rainy	Moderate	11:02	8.2	Surface	1.0	0.5	348	21.8	21.8	7.9	7.9	27.2	27.2	93.2	93.2	7.0	6.9	3.5	5.7	6	5	84	88	819705	804626	<0.2	<0.2	1.2	1.2
						1.0	0.5	320	21.8		7.9		27.2		93.2		7.0		3.9		4		85				<0.2		1.2	
					Middle	4.1	0.5	0	21.7	21.7	7.9	7.9	32.1	32.1	92.8	92.8	6.8		5.9		5		88				<0.2		1.2	
						4.1	0.5	0	21.7		7.9		32.1		92.8		6.8		5.9		5		89				<0.2		1.2	
					Bottom	7.2	0.4	354	21.7	21.7	7.9	7.9	32.2	32.2	90.2	90.0	6.6	6.6	7.5		5		92				<0.2		1.2	
						7.2	0.4	326	21.7		7.9		32.2		89.8		6.5		7.3		5		92				<0.2		1.2	
IM5	Rainy	Moderate	11:09	7.9	Surface	1.0	0.6	8	21.7	21.7	7.9	7.9	27.3	27.3	92.9	92.8	7.0	6.9	4.4	6.7	3	4	84	88	820746	804888	<0.2	<0.2	1.0	1.1
						1.0	0.7	8	21.7		7.9		27.3		92.7		7.0		4.7		3		84				<0.2		1.1	
					Middle	4.0	0.6	13	21.8	21.8	7.9	7.9	31.5	31.5	92.0	92.0	6.7		7.4		4		87				<0.2		1.0	
						4.0	0.7	13	21.8		7.9		31.5		91.9		6.7		7.3		3		88				<0.2		1.0	
					Bottom	6.9	0.4	19	21.8	21.8	7.9	7.9	31.7	31.7	90.2	90.2	6.6	6.6	8.2		5		92				<0.2		1.1	
						6.9	0.4	19	21.8		7.9		31.7		90.2		6.6		8.1		4		91				<0.2		1.2	
IM6	Rainy	Moderate	11:15	7.1	Surface	1.0	0.1	79	21.8	21.8	7.9	7.9	20.9	20.9	92.6	92.6	7.2	7.1	3.2	5.4	3	3	82	88	821046	805850	<0.2	<0.2	1.9	1.9
						1.0	0.1	80	21.8		7.9		20.9		92.5		7.2		3.4		4		84				<0.2		2.0	
					Middle	3.6	0.4	68	21.7	21.7	7.9	7.9	25.4	25.4	91.9	91.9	7.0		5.4		4		89				<0.2		1.9	
						3.6	0.4	73	21.7		7.9		25.4		91.9		7.0		5.5		3		90				<0.2		1.9	
					Bottom	6.1	0.4	62	21.8	21.8	7.9	7.9	30.9	30.9	90.1	90.2	6.6	6.6	7.6		3		91				<0.2		1.9	
						6.1	0.4	65	21.8		7.9		30.9		90.2		6.6		7.5		3		92				<0.2		2.0	
IM7	Rainy	Moderate	11:23	8.8	Surface	1.0	0.1	290	21.9	21.9	7.9	7.9	21.2	21.2	91.4	91.5	7.1	7.1	2.9	5.7	4	4	85	88	821367	806855	<0.2	<0.2	1.8	1.9
						1.0	0.1	293	21.9		7.9		21.2		91.5		7.1		3.0		5		86				<0.2		1.7	
					Middle	4.4	0.2	55	21.9	21.9	7.9	7.9	23.4	23.1	91.2	91.2	7.0		6.5		4		88				<0.2		1.9	
						4.4	0.2	57	21.9		7.9		22.8		91.1		7.0		6.7		4		89				<0.2		1.9	
					Bottom	7.8	0.4	69	21.8	21.8	7.9	7.9	31.2	31.2	90.3	90.0	6.6	6.6	7.7		3		89				<0.2		2.0	
						7.8	0.5	71	21.8		7.9		31.2		89.6		6.6		7.4		2		90				<0.2		2.0	
IM8	Rainy	Moderate	10:53	8.2	Surface	1.0	0.1	286	22.0	22.0	8.1	8.1	21.5	21.5	90.1	90.2	7.0	6.9	2.8	3.9	4	4	83	86	821828	808163	<0.2	<0.2	2.0	2.0
						1.0	0.1	312	22.0		8.1		21.5		90.2		7.0		2.8		4		84				<0.2		2.1	
					Middle	4.1	0.0	276	22.0	22.0	8.1	8.1	23.6	23.6	88.8	88.8	6.8		4.2		4		87				<0.2		2.0	
						4.1	0.0	296	22.0		8.1		23.6		88.7		6.8		4.2		4		86				<0.2		2.0	
					Bottom	7.2	0.0	96	21.9	21.9	8.1	8.1	26.9	26.9	91.3	91.3	6.8	6.8	4.8		4		88				<0.2		1.9	
						7.2	0.0	96	21.9		8.1		26.9		91.3		6.8		4.8		3		88				<0.2		2.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 March 20 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	Rainy	Moderate	10:45	7.8	Surface	1.0	0.3	206	21.9	21.9	8.1	8.1	21.6	21.6	89.5	89.6	6.9	6.8	3.7	6.4	5	5	84	86	822094	808795	<0.2	<0.2	2.0	1.9
						1.0	0.3	210	21.9		8.1		21.6		89.7		6.9		3.8		4		84				<0.2		1.8	
					Middle	3.9	0.1	259	21.9	21.9	8.1	8.1	25.1	25.1	87.1	87.1	6.6		6.5		4		86				<0.2		1.9	
						3.9	0.1	275	21.9		8.1		25.1		87.0		6.6		6.5		5		85				<0.2		1.9	
					Bottom	6.8	0.2	280	21.9	21.9	8.1	8.1	26.9	26.9	87.6	87.7	6.6	6.6	8.9		4		88				<0.2		1.9	
						6.8	0.2	289	21.9		8.1		26.9		87.8		6.6		8.9		5		88				<0.2		1.8	
IM10	Rainy	Moderate	10:35	9.1	Surface	1.0	0.5	300	22.0	22.0	8.1	8.1	23.4	23.4	88.5	88.6	6.8	6.7	4.9	7.2	4	5	84	86	822380	809792	<0.2	<0.2	1.8	2.0
						1.0	0.5	324	22.0		8.1		23.4		88.7		6.8		4.9		5		85				<0.2		2.0	
					Middle	4.6	0.6	292	21.9	21.9	8.1	8.1	26.7	26.7	87.5	87.5	6.6		7.0		5		86				<0.2		2.0	
						4.6	0.6	293	21.9		8.1		26.7		87.4		6.6		7.0		6		86				<0.2		2.1	
					Bottom	8.1	0.5	281	21.8	21.8	8.1	8.1	28.2	28.2	88.8	88.9	6.6	6.6	9.8		5		88				<0.2		2.1	
						8.1	0.5	296	21.8		8.1		28.2		88.9		6.6		9.7		6		88				<0.2		2.0	
IM11	Rainy	Moderate	10:23	9.4	Surface	1.0	0.7	290	22.0	22.0	8.0	8.0	22.4	22.5	88.4	88.4	6.8	6.7	3.6	6.0	3	4	84	86	822060	811451	<0.2	<0.2	2.0	2.1
						1.0	0.7	311	22.0		8.0		22.6		88.4		6.8		3.6		4		84				<0.2		2.2	
					Middle	4.7	0.5	276	21.8	21.8	8.1	8.1	27.8	27.8	87.8	87.8	6.6		6.4		4		85				<0.2		2.2	
						4.7	0.5	298	21.8		8.1		27.8		87.8		6.6		6.5		3		86				<0.2		2.0	
					Bottom	8.4	0.4	271	21.7	21.7	8.1	8.1	29.9	29.9	88.2	88.2	6.5	6.5	8.0		4		88				<0.2		2.2	
						8.4	0.4	293	21.7		8.1		29.9		88.2		6.5		8.0		4		87				<0.2		2.0	
IM12	Rainy	Moderate	10:14	8.4	Surface	1.0	0.6	310	22.0	22.0	8.0	8.0	23.6	23.6	88.9	88.9	6.8	6.7	3.2	4.2	4	4	84	86	821469	812040	<0.2	<0.2	2.0	2.0
						1.0	0.6	331	22.0		8.0		23.6		88.9		6.8		3.2		3		83				<0.2		2.0	
					Middle	4.2	0.5	302	21.9	21.9	8.0	8.0	27.2	27.2	87.2	87.3	6.5		4.1		4		86				<0.2		2.0	
						4.2	0.5	323	21.9		8.0		27.2		87.3		6.5		4.1		5		86				<0.2		2.1	
					Bottom	7.4	0.3	299	21.7	21.7	8.0	8.0	29.2	29.2	86.6	86.7	6.4	6.4	5.2		4		89				<0.2		2.0	
						7.4	0.3	322	21.7		8.0		29.3		86.7		6.4		5.2		4		88				<0.2		2.0	
SR1A	Rainy	Moderate	09:50	5.5	Surface	1.0	-	-	22.0	22.0	8.0	8.0	21.2	21.2	88.6	88.6	6.9	6.9	3.0	3.8	3	4	-	-	819973	812658	-	-	-	-
						1.0	-	-	22.0		8.0		21.2		88.5		6.9		3.0		4		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	21.9	21.9	8.0	8.0	25.4	25.4	87.1	87.2	6.6	6.6	4.6		3		-				-		-	
						4.5	-	-	21.9		8.0		25.4		87.2		6.6		4.6		4		-				-		-	
SR2	Rainy	Moderate	09:36	5.1	Surface	1.0	0.1	15	21.9	21.9	8.0	8.0	25.1	25.1	88.6	88.6	6.7	6.7	3.5	4.6	3	3	85	86	821465	814146	<0.2	<0.2	2.0	2.0
						1.0	0.1	16	21.9		8.0		25.1		88.6		6.7		3.5		3		85				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	136	21.7	21.7	8.0	8.0	29.4	29.4	89.3	89.4	6.6	6.6	5.7		3		87				<0.2		2.1	
						4.1	0.1	144	21.7		8.0		29.4		89.4		6.6		5.6		4		88				<0.2		2.0	
SR3	Rainy	Moderate	11:01	9.7	Surface	1.0	0.1	237	21.9	21.9	8.1	8.1	19.7	19.7	91.5	91.6	7.2	7.0	2.5	5.4	4	3	-	-	822149	807558	-	-	-	-
						1.0	0.1	244	21.9		8.1		19.7		91.7		7.2		2.5		3		-				-		-	
					Middle	4.9	0.2	335	21.9	21.9	8.1	8.1	26.0	26.0	90.6	90.6	6.8		5.1		3		-				-		-	
						4.9	0.2	357	21.9		8.1		26.0		90.5		6.8		5.2		4		-				-		-	
					Bottom	8.7	0.1	26	21.9	21.9	8.1	8.1	27.8	27.8	89.6	89.6	6.7	6.7	8.6		3		-				-		-	
						8.7	0.1	27	21.9		8.1		27.8		89.6		6.7		8.7		3		-				-		-	
SR4A	Rainy	Calm	10:01	9.2	Surface	1.0	0.1	272	21.8	21.8	7.8	7.8	26.0	25.9	90.9	91.0	6.9	6.8	4.1	4.7	5	5	-	-	817187	807818	-	-	-	-
						1.0	0.1	292	21.8		7.8		25.7		91.0		6.9		4.1		5		-				-		-	
					Middle	4.6	0.1	56	21.8	21.8	7.8	7.8	30.7	30.7	91.1	91.1	6.7		4.5		4		-				-		-	
						4.6	0.1	57	21.8		7.8		30.7		91.0		6.7		4.5		4		-				-		-	
					Bottom	8.2	0.2	70	21.7	21.7	7.8	7.8	31.9	31.9	88.7	88.5	6.5	6.5	5.6		5		-				-		-	
						8.2	0.2	75	21.7		7.8		31.9		88.2		6.4		5.2		6		-				-		-	
SR5A	Rainy	Calm	09:44	4.6	Surface	1.0	0.1	316	21.8	21.8	7.8	7.8	25.3	25.2	88.1	88.1	6.7	6.7	3.5	4.2	5	5	-	-	816592	810679	-	-	-	-
						1.0	0.2	334	21.8		7.8		25.1		88.0		6.7		3.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	306	21.8	21.8	7.7	7.7	26.7	26.7	86.0	85.8	6.5	6.5	4.8		5		-				-		-	
						3.6	0.1	310	21.8		7.7		26.7		85.5		6.4		4.6		5		-				-		-	
SR6A	Rainy	Calm	09:19	3.8	Surface	1.0	0.1	204	21.9	21.9	7.7	7.7	23.5	23.5	91.3	91.4	7.0	7.0	2.3	2.4	5	5	-	-	817946	814752	-	-	-	-
						1.0	0.1	204	21.9		7.7		23.5		91.4		7.0		2.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	258	21.9	21.9	7.7	7.7	23.6	23.6	93.3	93.5	7.1	7.2	2.5		4		-				-		-	
						2.8	0.0	283	21.9		7.7		23.7		93.7		7.2		2.5		5		-				-		-	
SR7	Rainy	Moderate	08:40	16.2	Surface	1.0	0.0	253	21.8	21.8	7.9	7.9	25.2	25.2	91.0	91.0	6.9	6.8	1.4	1.4	3	3	-	-	823622	823755	-	-	-	-
						1.0	0.0	271	21.8		7.9		25.2		91.0		6.9		1.4		3		-				-		-	
					Middle	8.1	0.2	184	21.6	21.6	8.0	8.0	30.5	30.5	88.9	89.0	6.6		1.4		3		-				-		-	
						8.1	0.2	195	21.6		8.0		30.5		89.0		6.6		1.5		3		-				-		-	
					Bottom	15.2	0.1	184	21.5	21.5	8.0	8.0	31.6	31.6	89.1	89.1	6.5	6.5	1.4		4		-				-		-	
						15.2	0.1	184	21.5		8.0		31.6		89.1		6.5		1.4		3		-				-		-	
SR8	Rainy	Moderate	10:05	5.2	Surface	1.0	-	-	22.0	22.0	8.0	8.0	23.5	23.5	80.4	80.4	6.1	6.1	7.0	7.8	5	5	-	-	820374	811603	-	-	-	-
						1.0	-	-	22.0		8.0		23.5		80.3		6.1		7.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	22.0	22.0	8.0	8.0	25.3	25.3	58.2	57.7	4.4	4.4	8.3		4		-				-		-	
						4.2	-	-	22.0		8.0		25.3		57.1		4.3		8.5		4		-				-		-	

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


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/l)
10.0
8.0
6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
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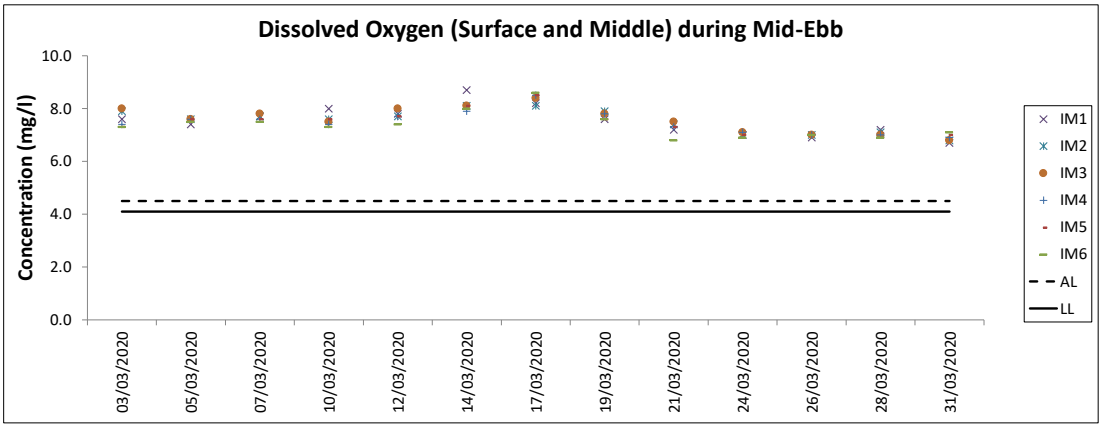
31/03/2020
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/l)
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6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
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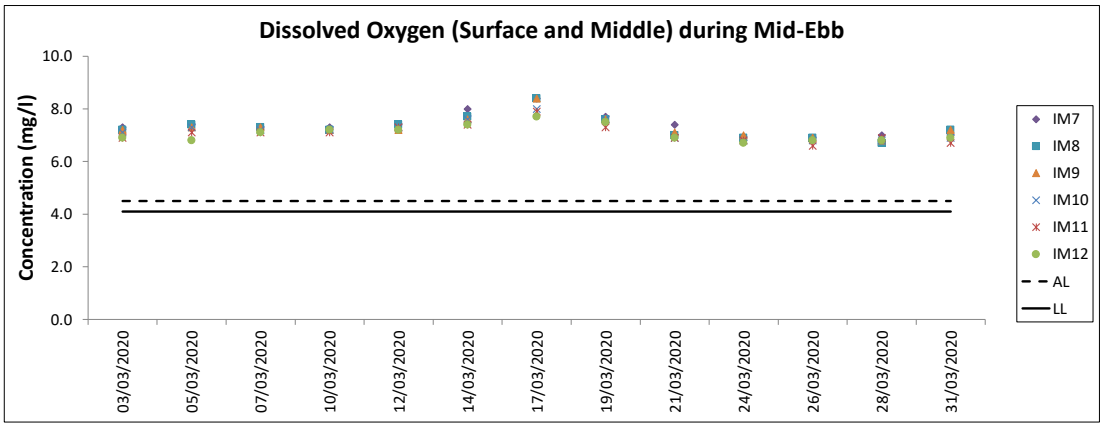
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/l)
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6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
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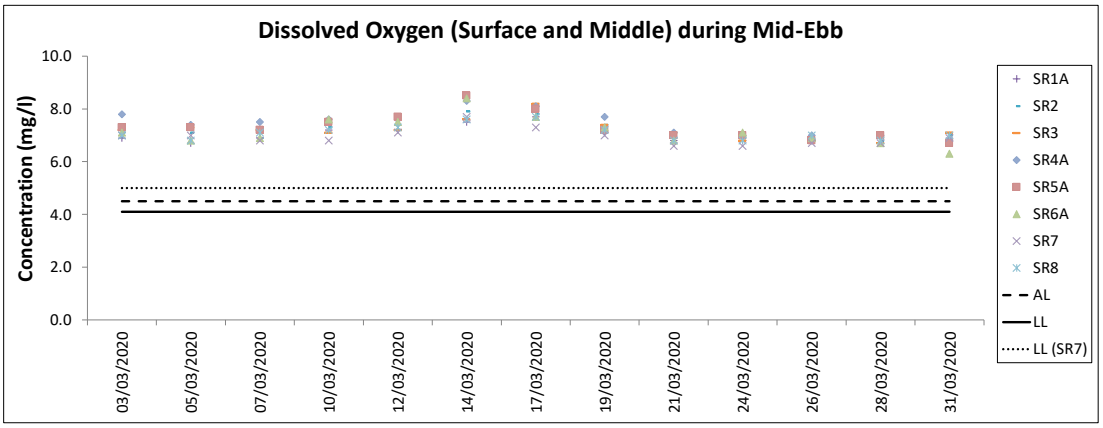
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/l)
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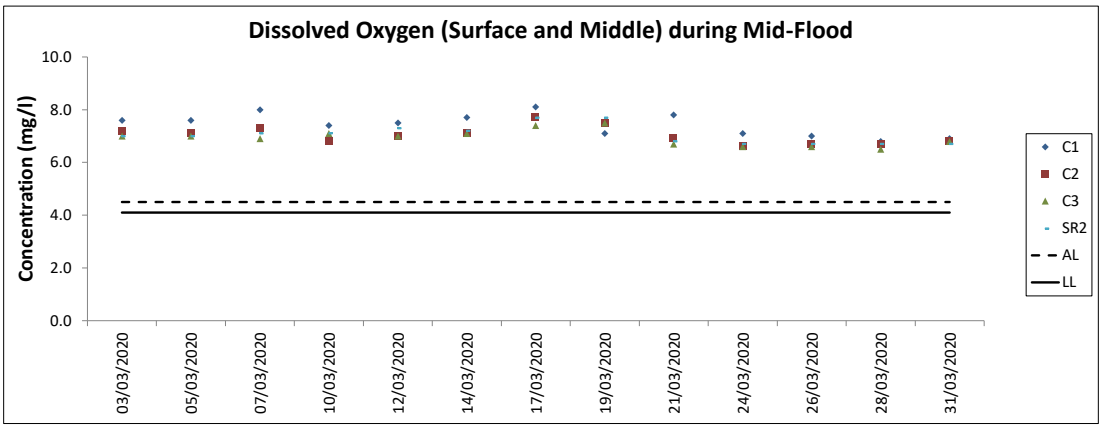
6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
24/03/2020
26/03/2020
28/03/2020
31/03/2020
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/l)
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6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
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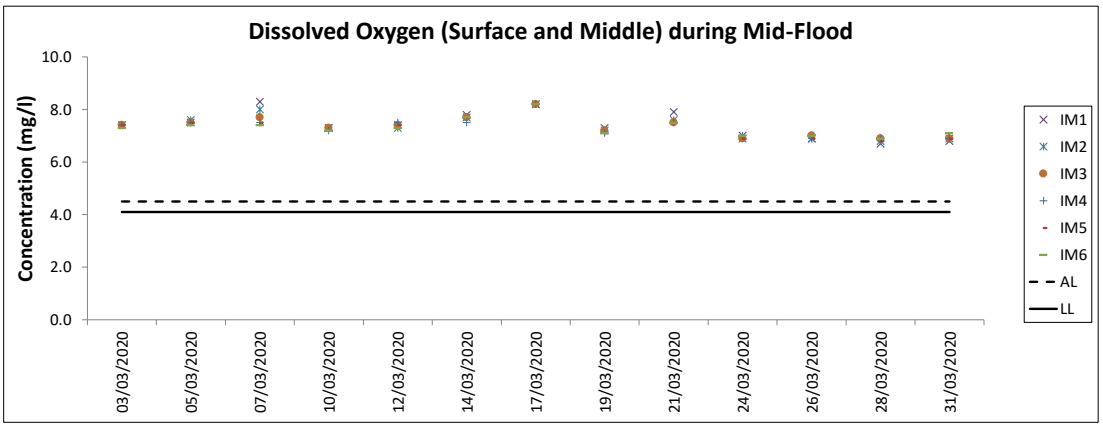
31/03/2020
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/l)
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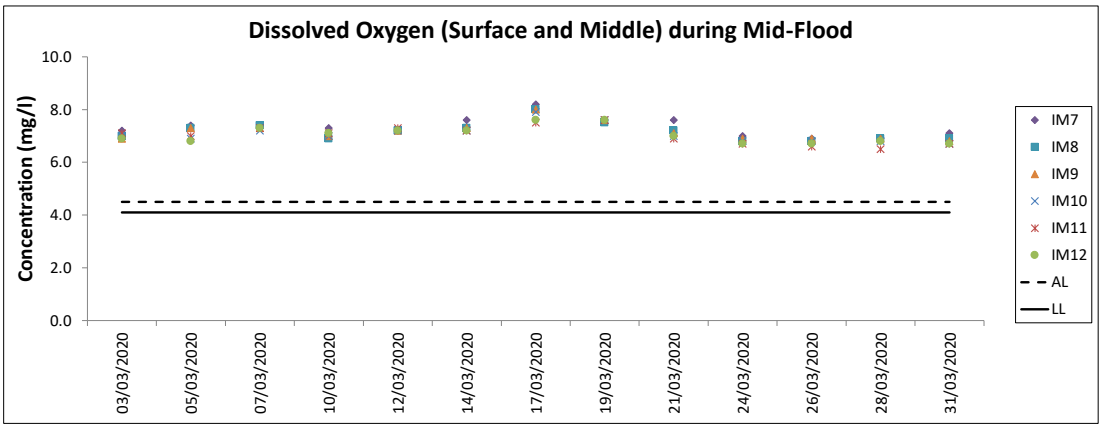
6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
24/03/2020
26/03/2020
28/03/2020
31/03/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/l)
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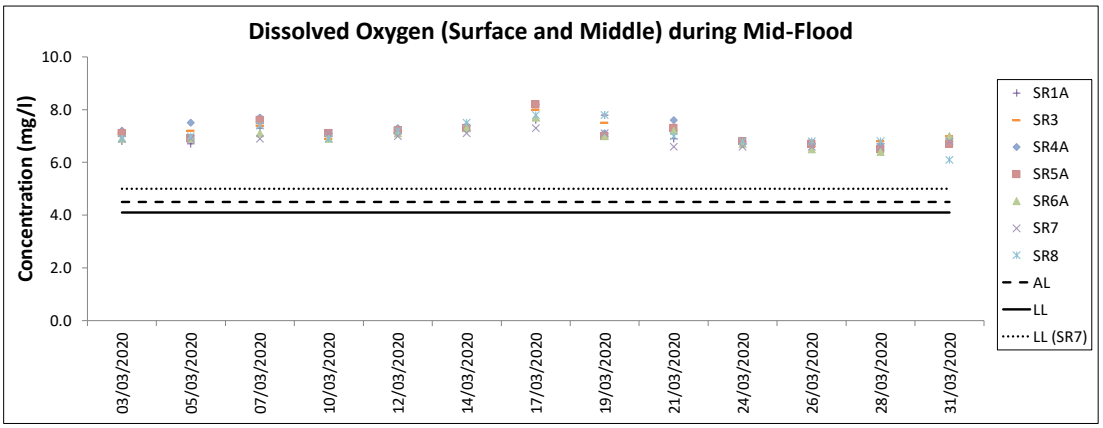
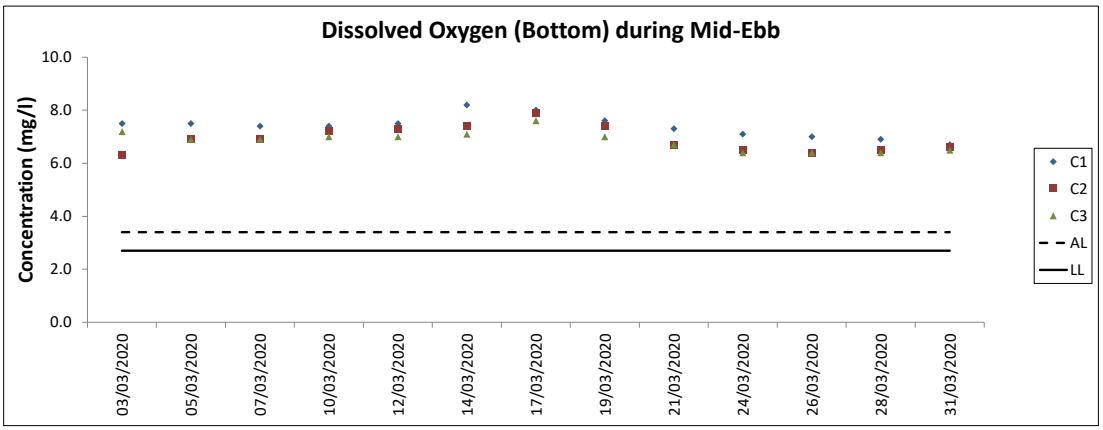
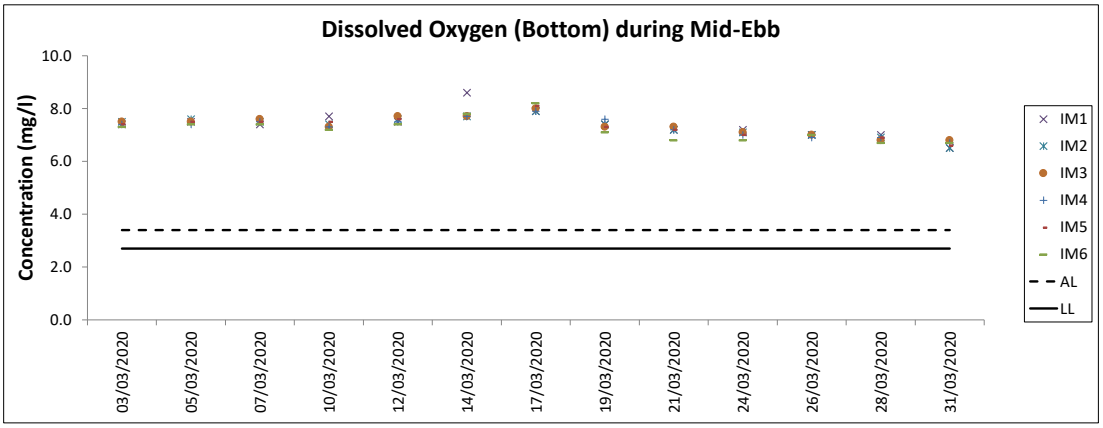
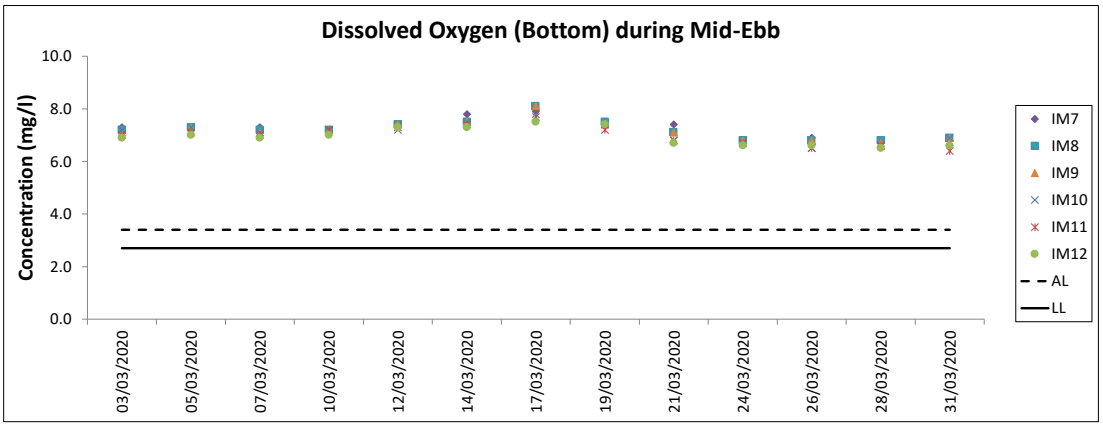
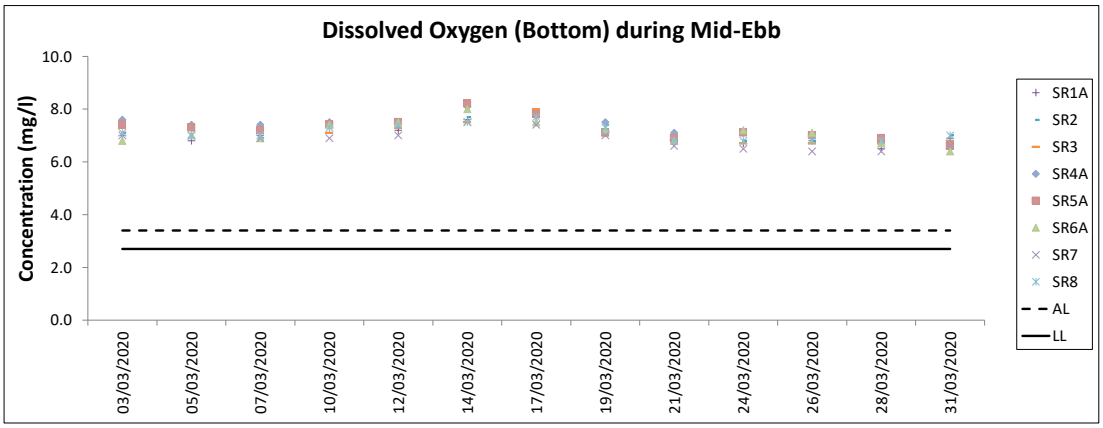
6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
24/03/2020
26/03/2020
28/03/2020
31/03/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL

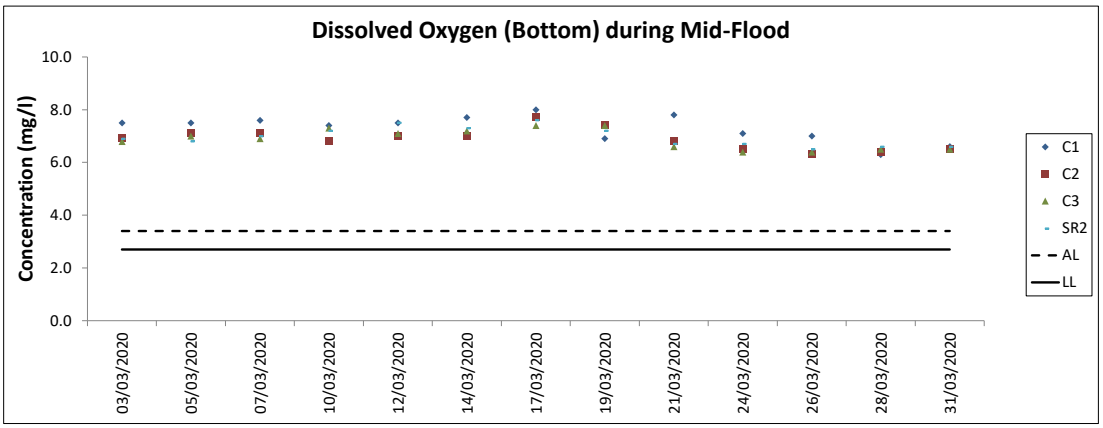

Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/l)
10.0
8.0
6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
24/03/2020
26/03/2020
28/03/2020
31/03/2020
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/l)
10.0
8.0
6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
24/03/2020
26/03/2020
28/03/2020
31/03/2020
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
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
24/03/2020
26/03/2020
28/03/2020
31/03/2020
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
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
24/03/2020
26/03/2020
28/03/2020
31/03/2020
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
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
24/03/2020
26/03/2020
28/03/2020
31/03/2020
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/l)
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6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
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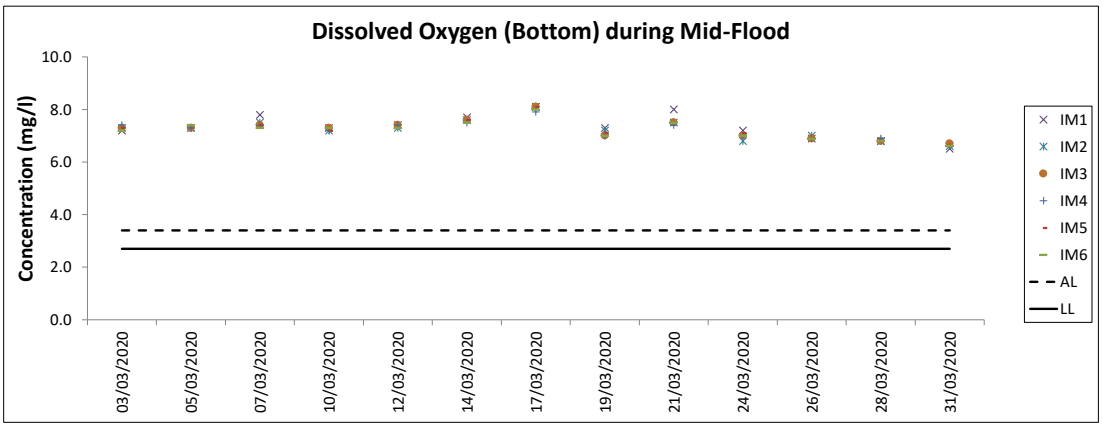
31/03/2020
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/l)
10.0
8.0
6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
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28/03/2020
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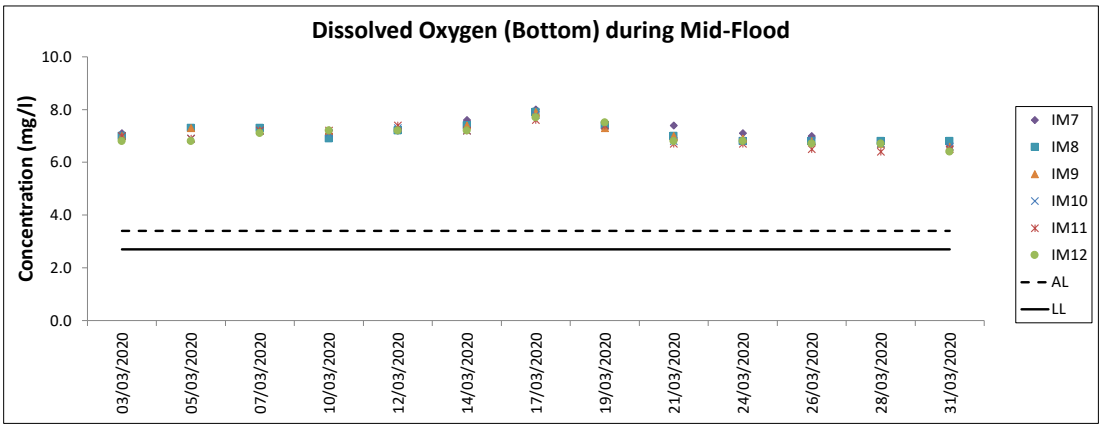
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/l)
10.0
8.0
6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
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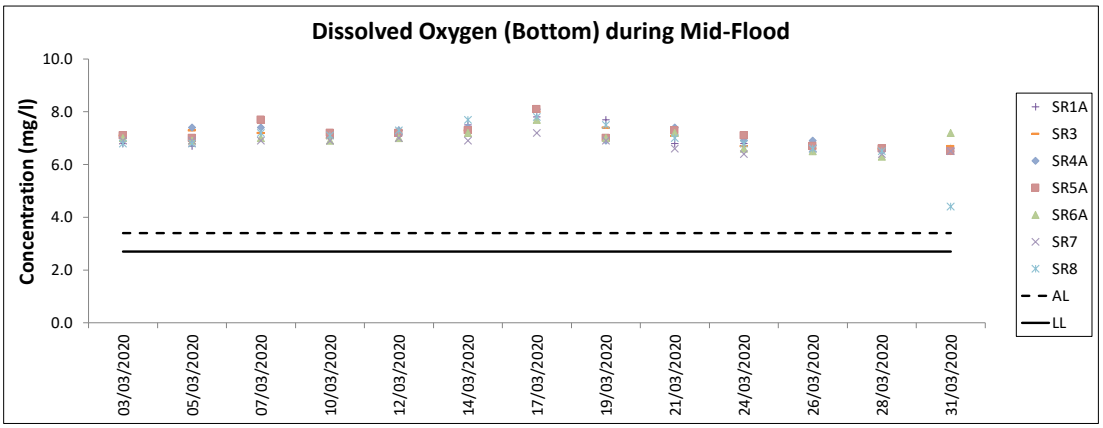
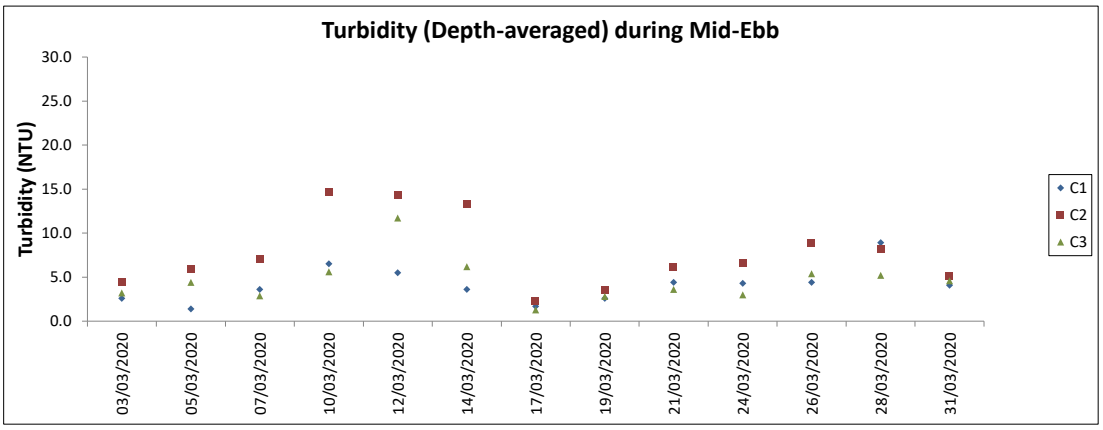
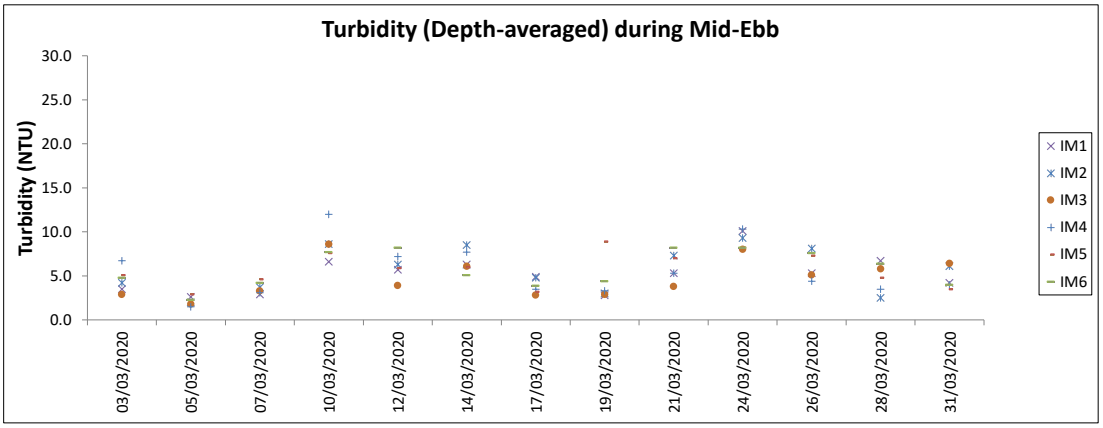
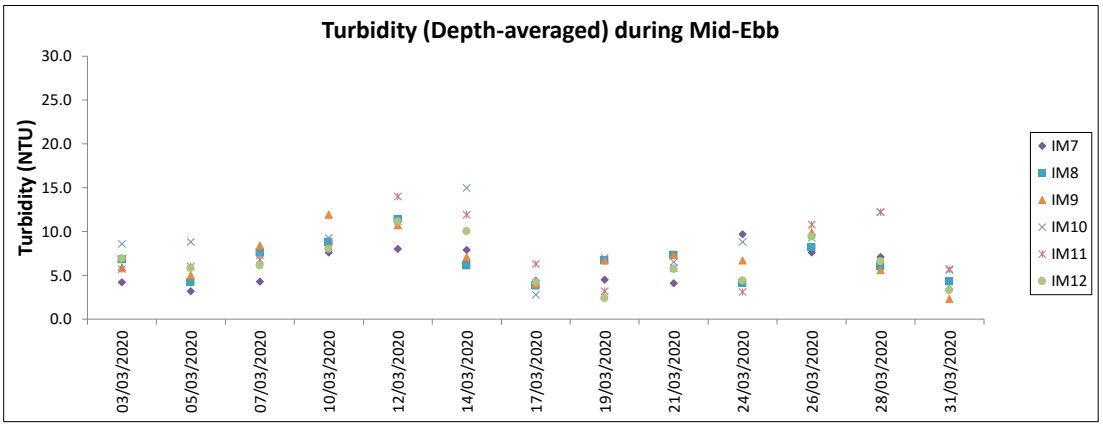
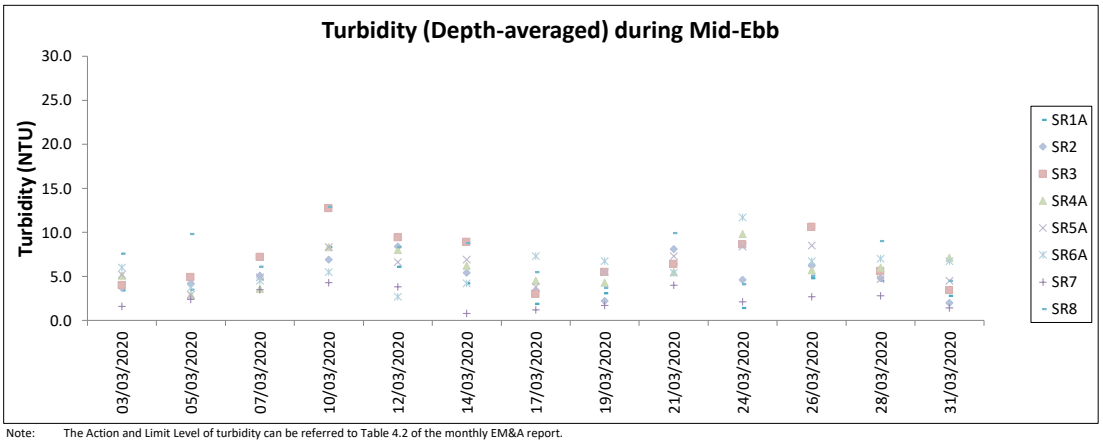
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/l)
10.0
8.0
6.0
4.0
2.0
0.0
03/03/2020
05/03/2020
07/03/2020
10/03/2020
12/03/2020
14/03/2020
17/03/2020
19/03/2020
21/03/2020
24/03/2020
26/03/2020
28/03/2020
31/03/2020
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL

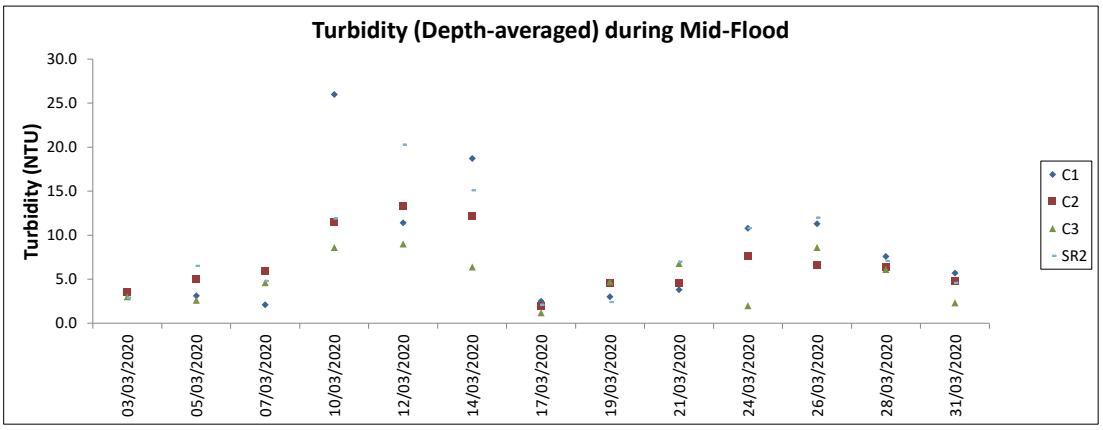


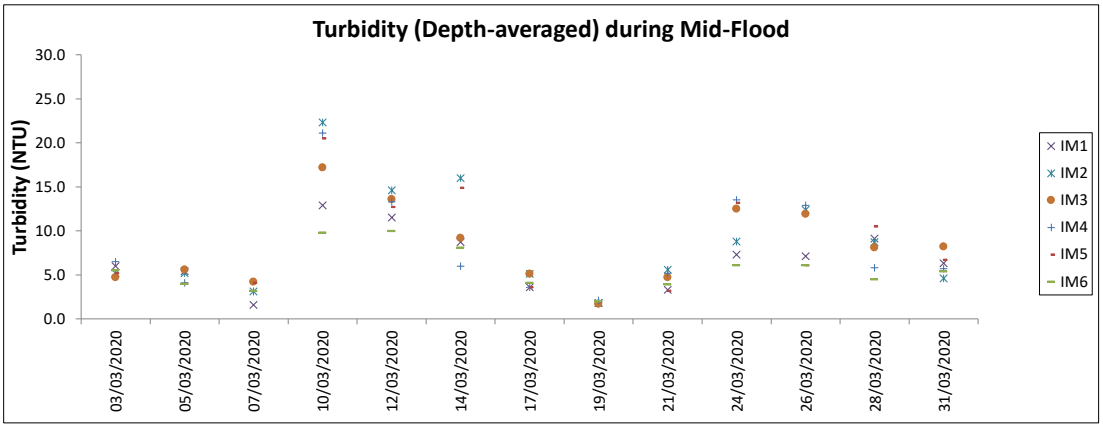


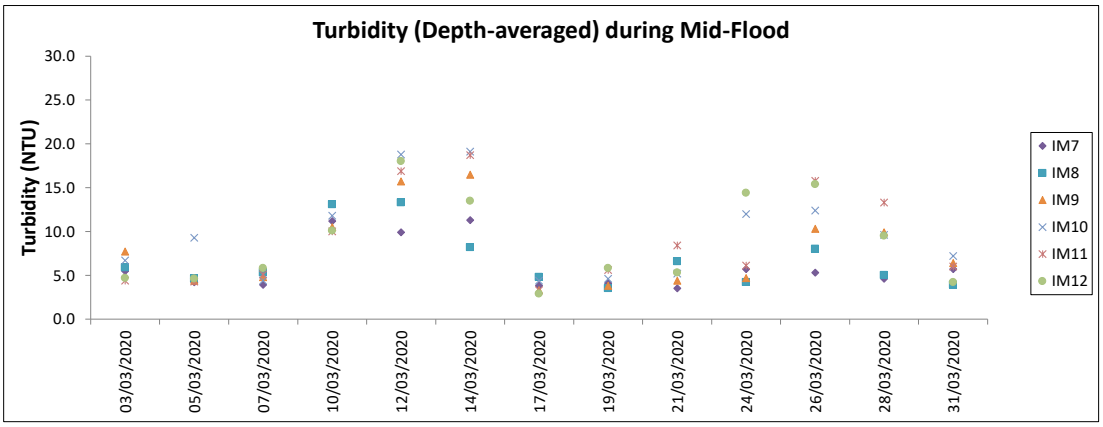


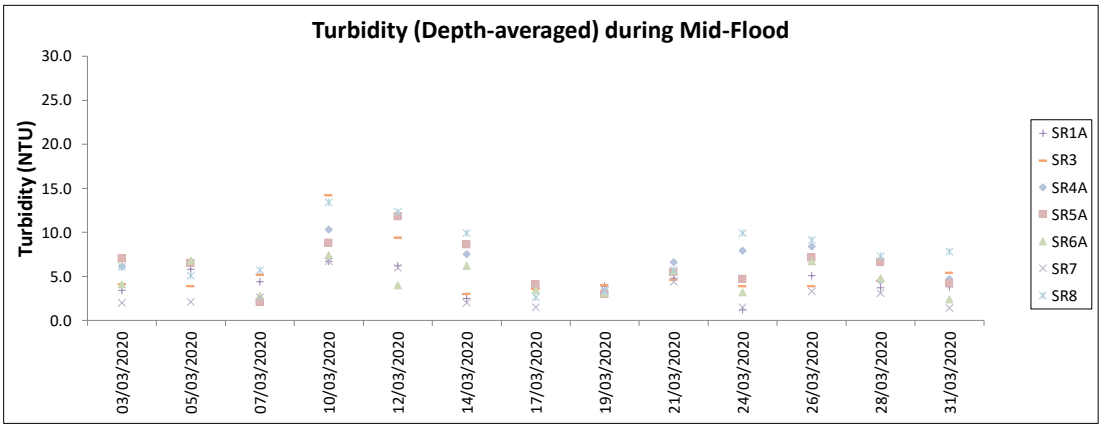


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

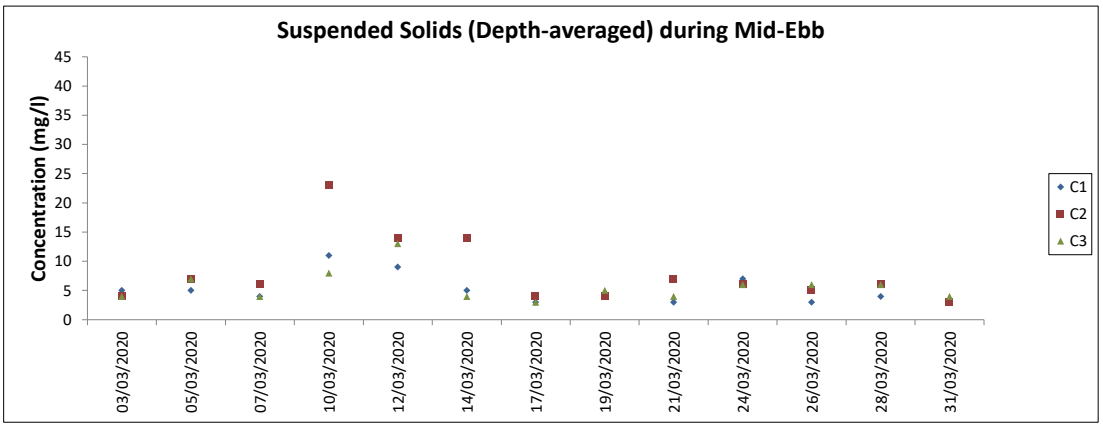


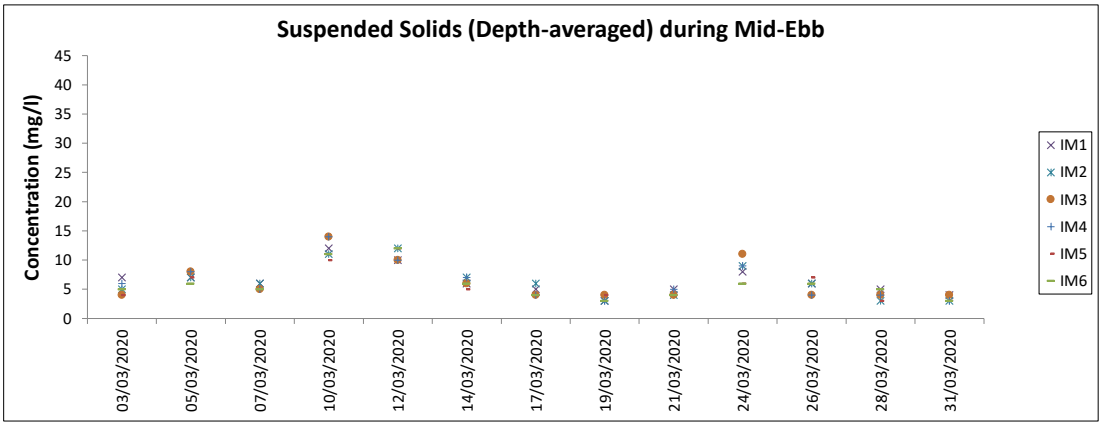


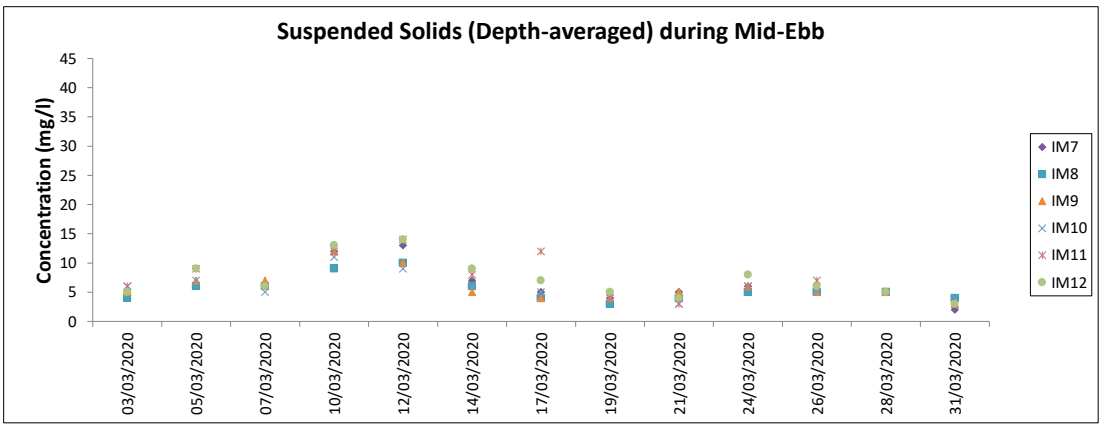


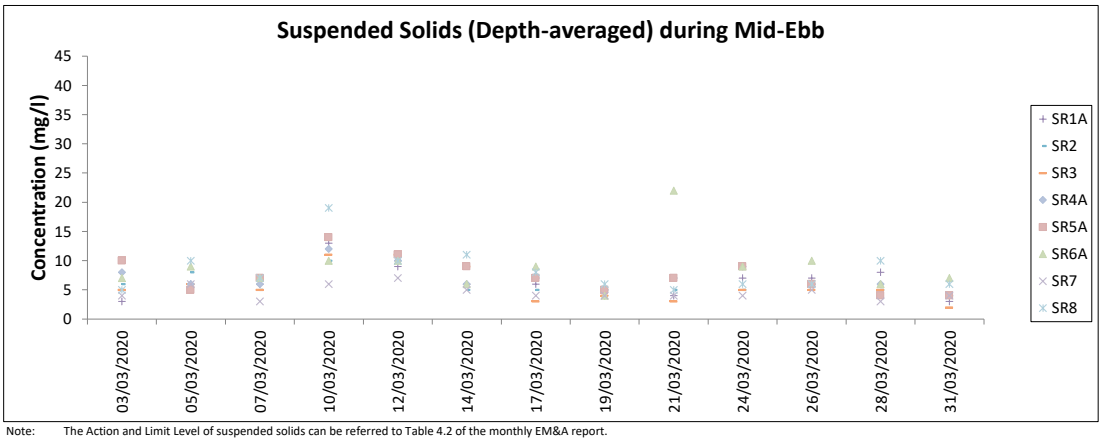


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

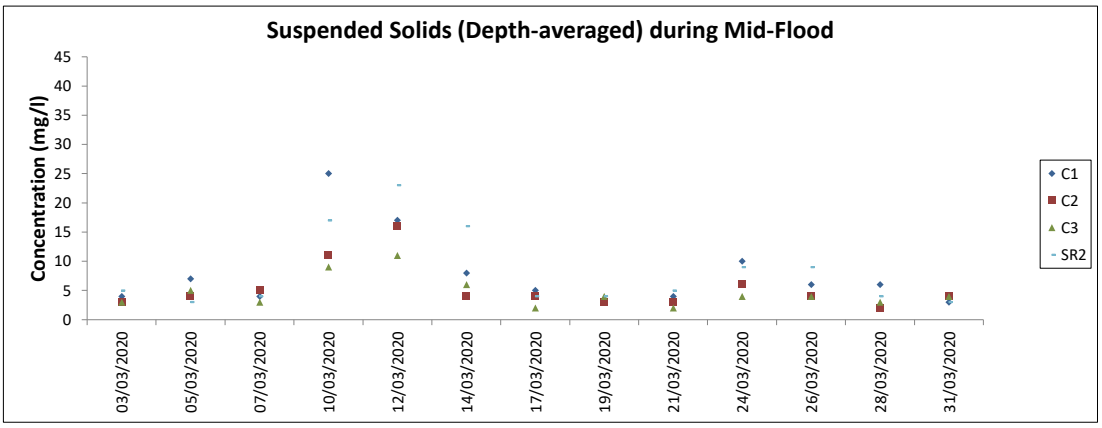


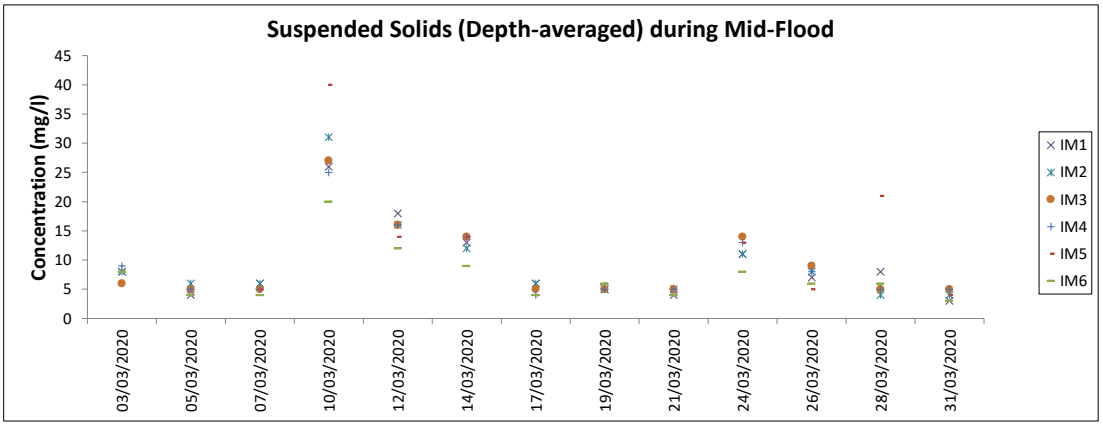


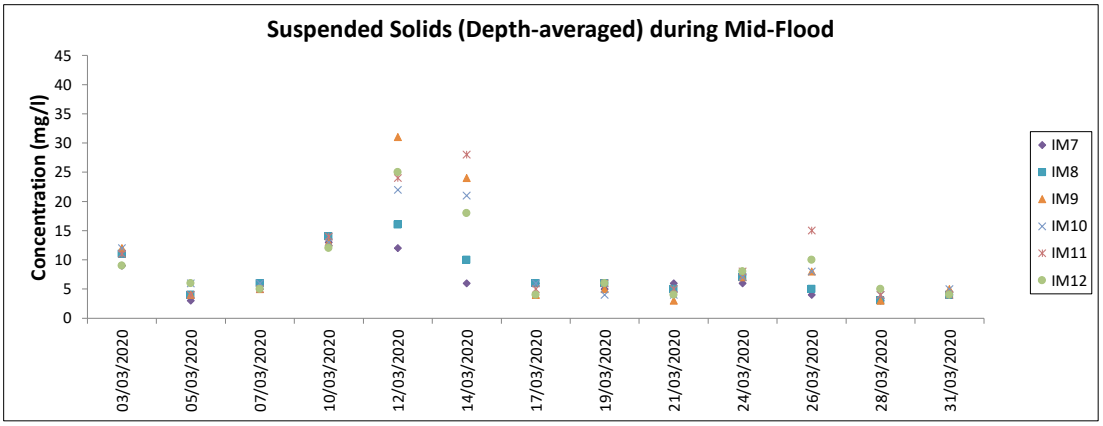


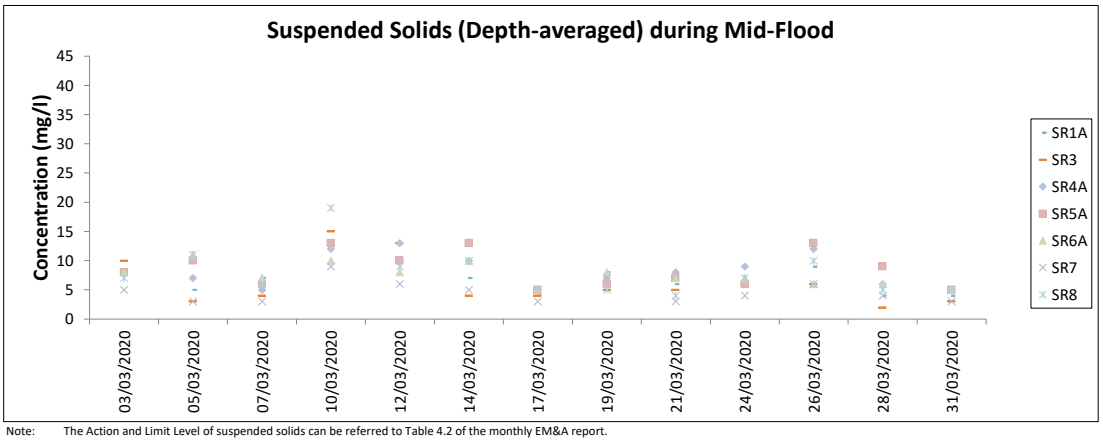


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

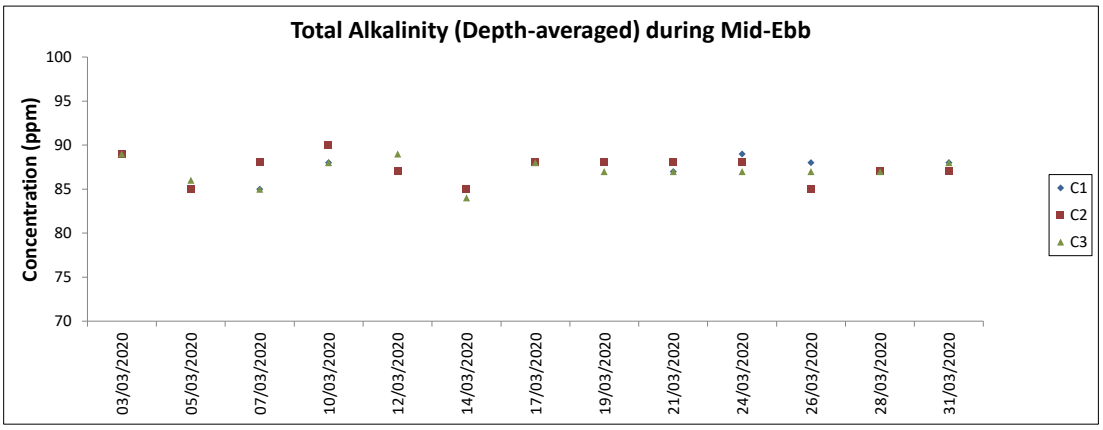


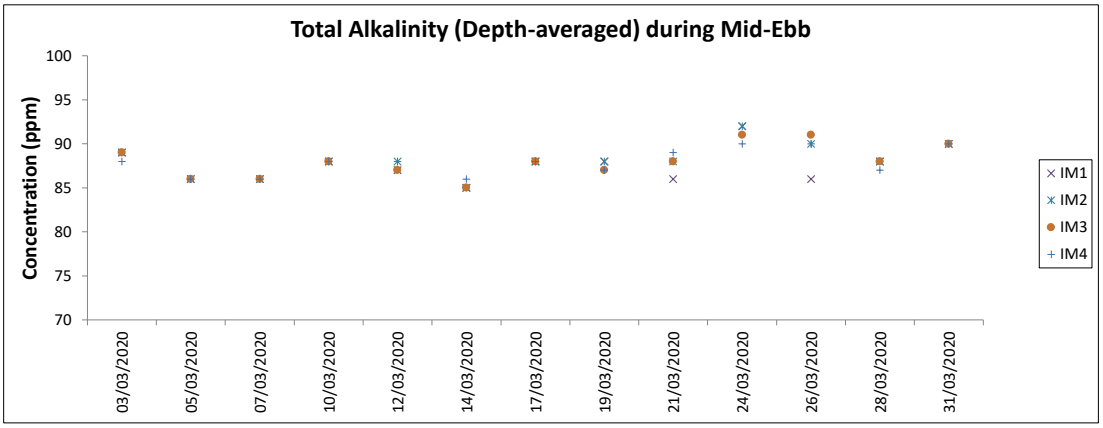


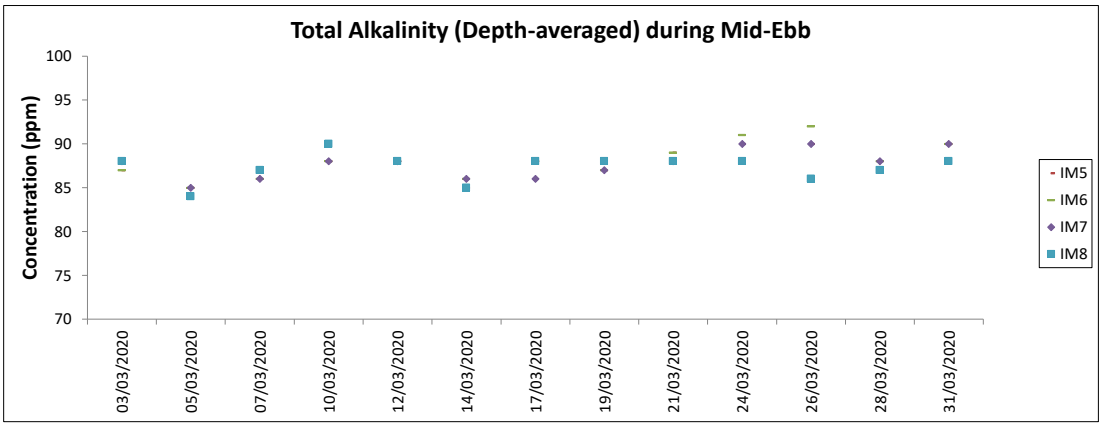


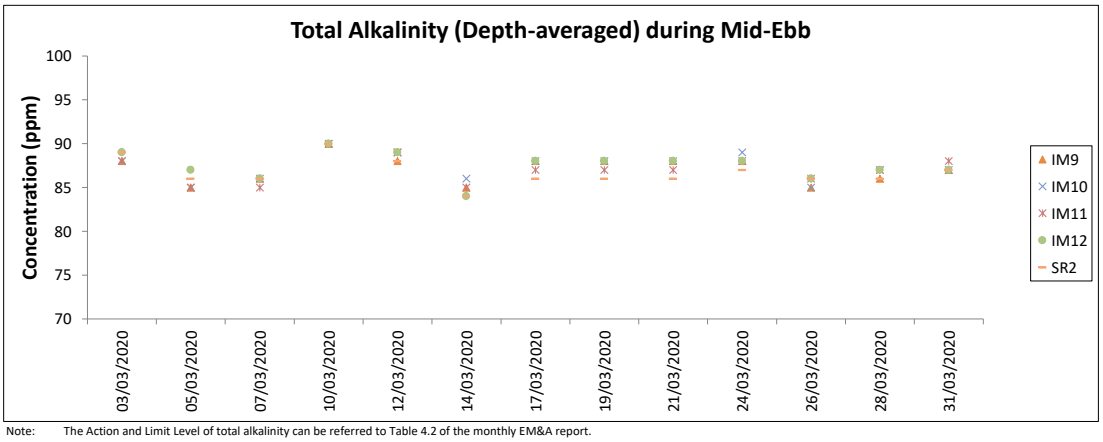


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

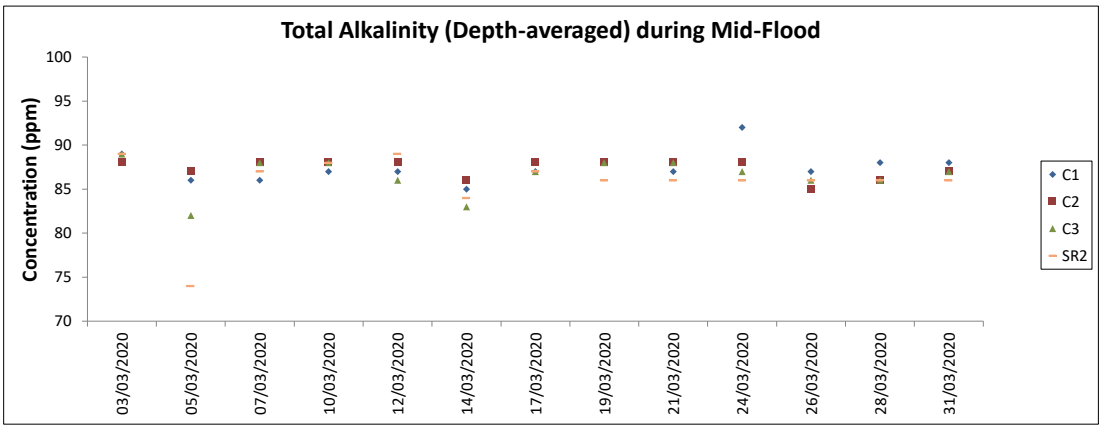


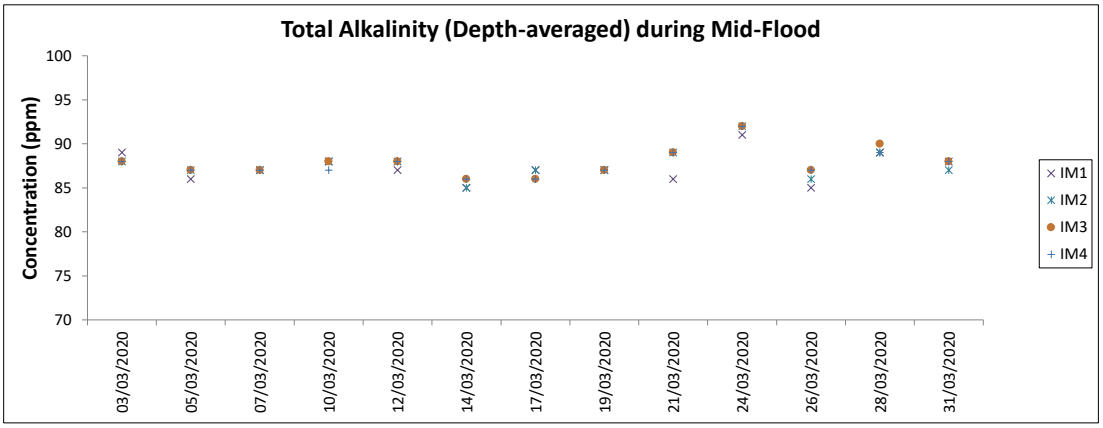


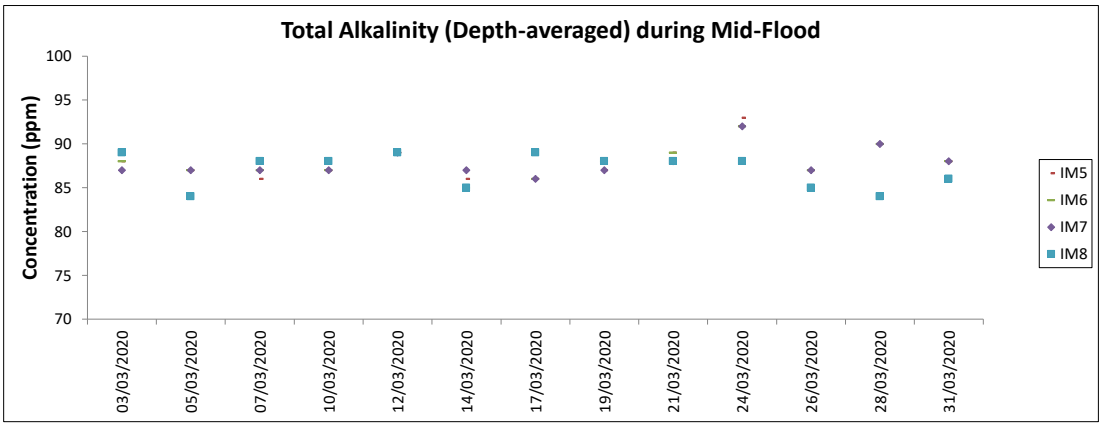


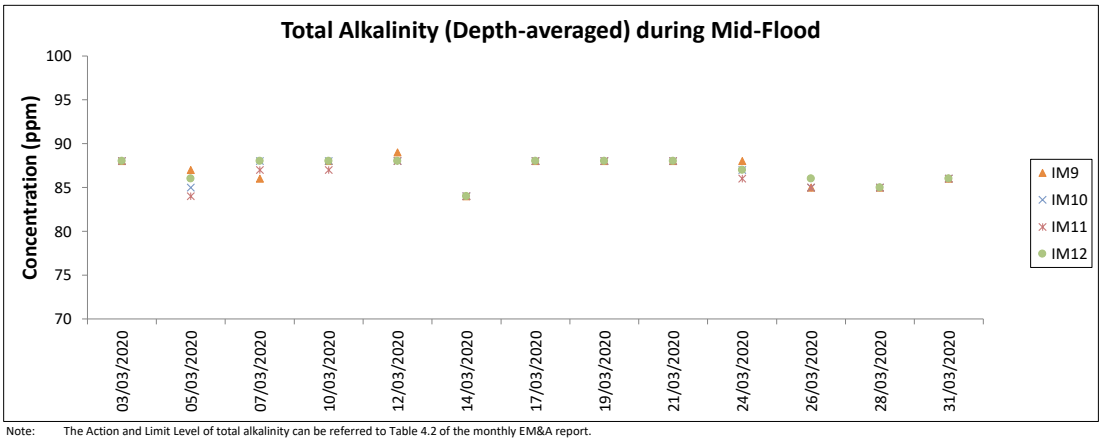


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

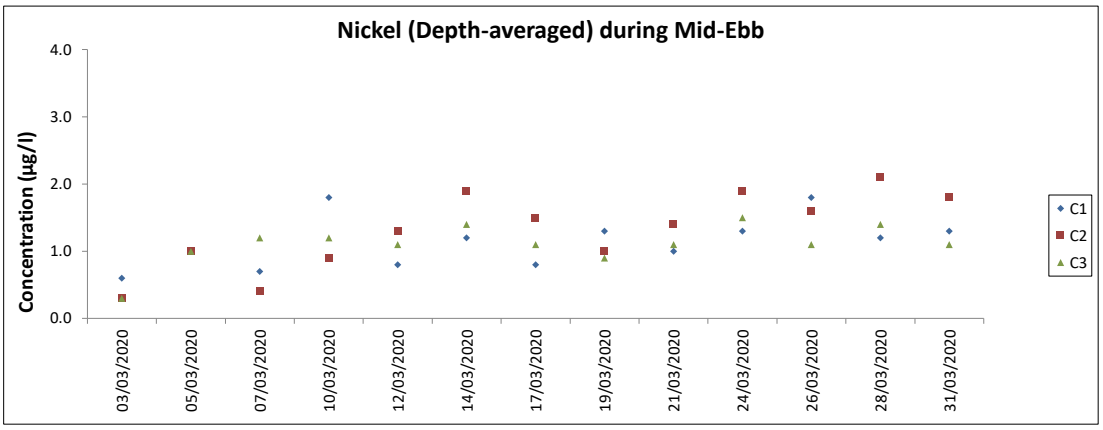


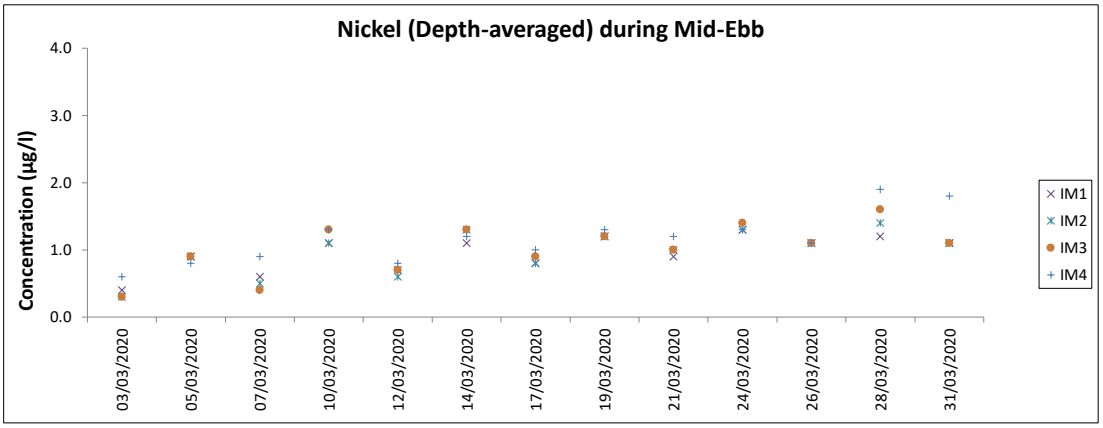


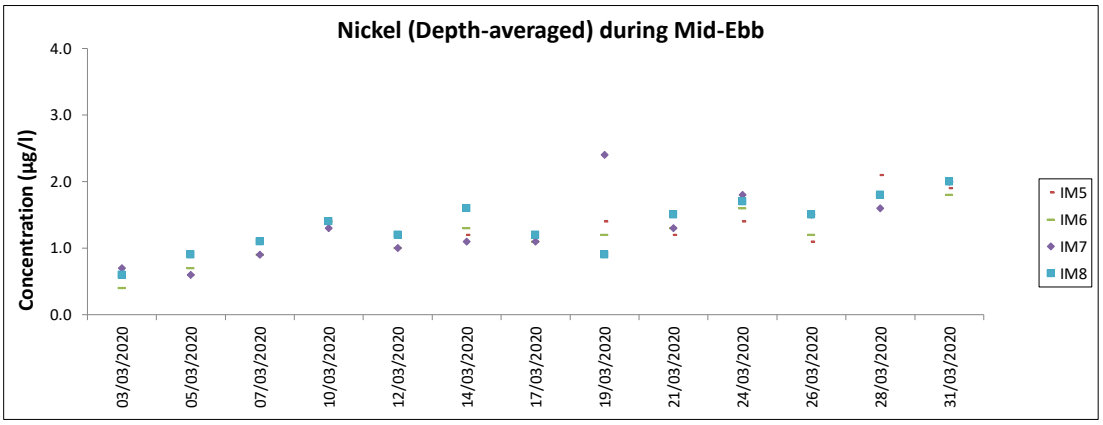


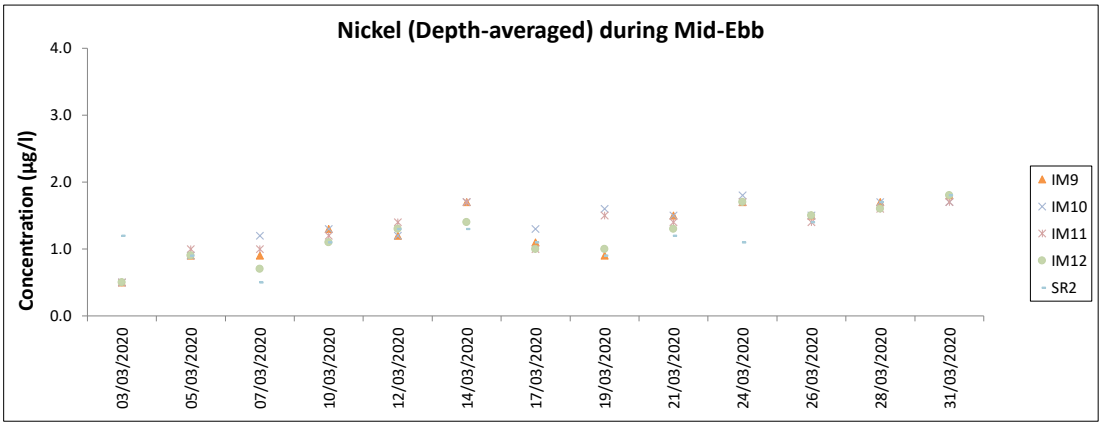


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

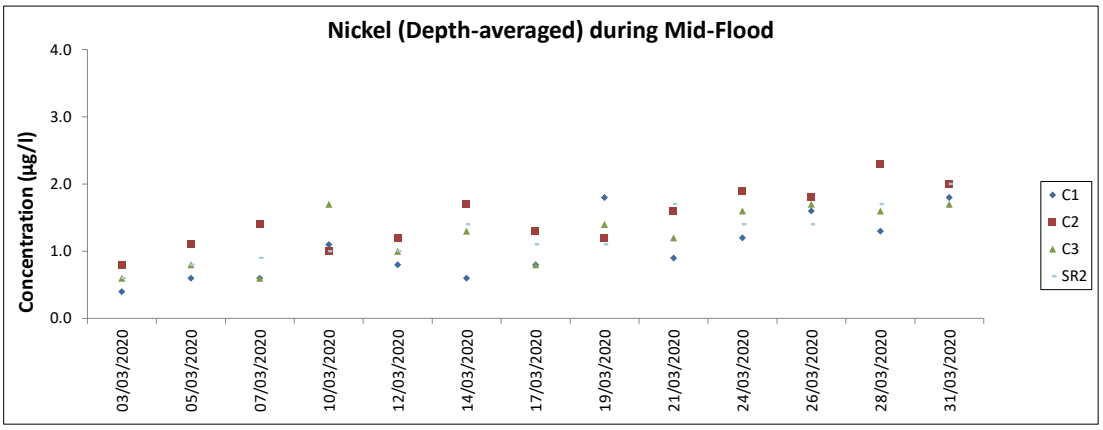


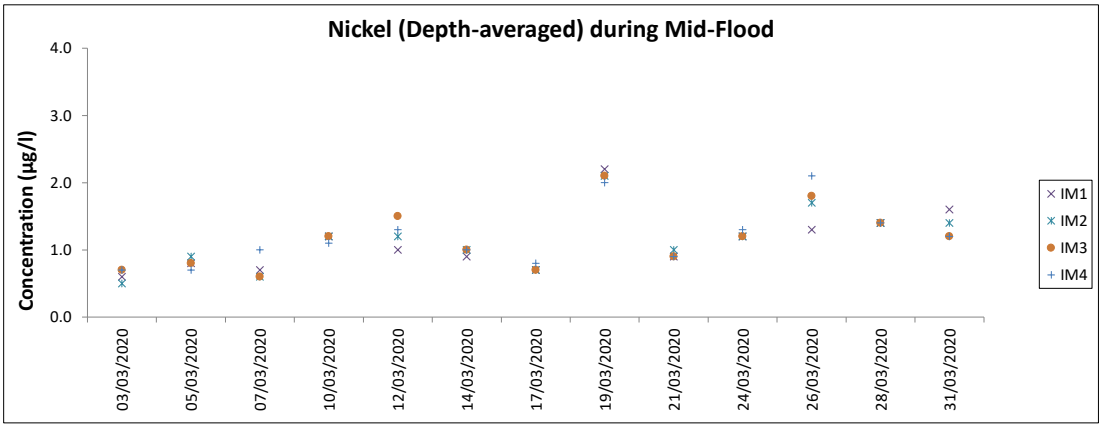


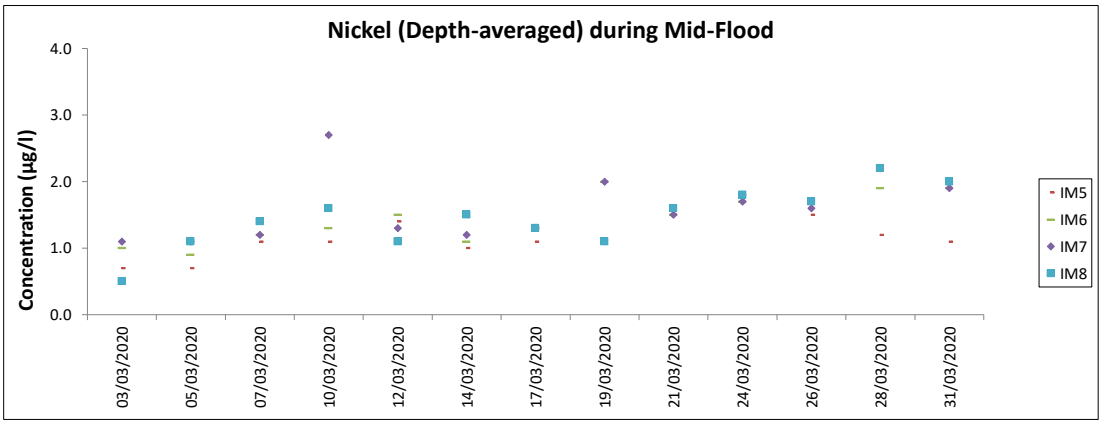


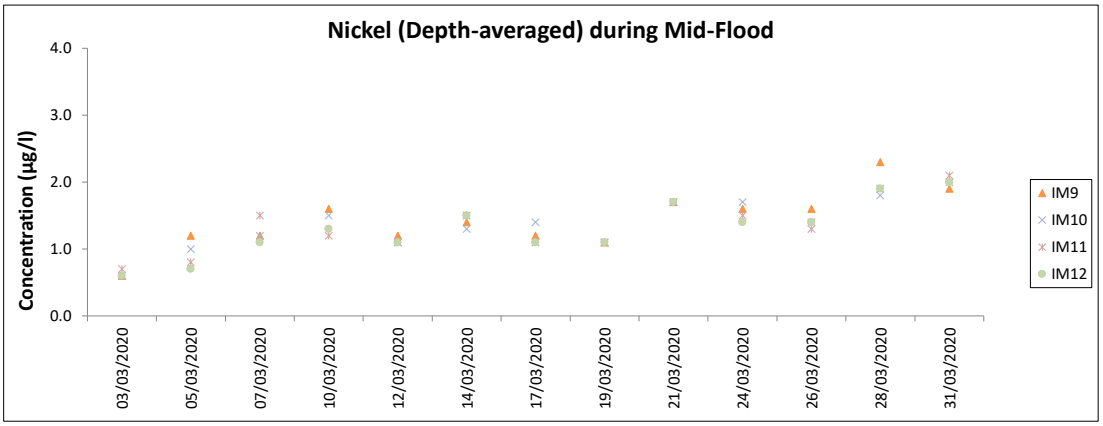


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period was below the reporting limit 0.2 µg/l.









Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period was below the reporting limit 0.2 µg/l.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
Weather conditions during monitoring are presented in the data tables above.
QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
6-Jan-20	NEL	2	17.100	WINTER	32166	3RS ET	P
6-Jan-20	NEL	3	20.610	WINTER	32166	3RS ET	P
6-Jan-20	NEL	2	6.200	WINTER	32166	3RS ET	S
6-Jan-20	NEL	3	3.790	WINTER	32166	3RS ET	S
7-Jan-20	SWL	1	3.200	WINTER	32166	3RS ET	P
7-Jan-20	SWL	2	49.770	WINTER	32166	3RS ET	P
7-Jan-20	SWL	2	15.800	WINTER	32166	3RS ET	S
10-Jan-20	AW	3	4.860	WINTER	32166	3RS ET	P
10-Jan-20	WL	2	10.760	WINTER	32166	3RS ET	P
10-Jan-20	WL	3	5.190	WINTER	32166	3RS ET	P
10-Jan-20	WL	4	5.890	WINTER	32166	3RS ET	P
10-Jan-20	WL	2	4.910	WINTER	32166	3RS ET	S
10-Jan-20	WL	3	0.860	WINTER	32166	3RS ET	S
10-Jan-20	WL	4	2.340	WINTER	32166	3RS ET	S
13-Jan-20	NEL	2	15.540	WINTER	32166	3RS ET	P
13-Jan-20	NEL	3	21.900	WINTER	32166	3RS ET	P
13-Jan-20	NEL	2	4.160	WINTER	32166	3RS ET	S
13-Jan-20	NEL	3	6.200	WINTER	32166	3RS ET	S
15-Jan-20	AW	3	1.170	WINTER	32166	3RS ET	P
15-Jan-20	AW	4	4.000	WINTER	32166	3RS ET	P
15-Jan-20	WL	3	7.366	WINTER	32166	3RS ET	P
15-Jan-20	WL	4	8.390	WINTER	32166	3RS ET	P
15-Jan-20	WL	5	1.550	WINTER	32166	3RS ET	P
15-Jan-20	WL	3	8.514	WINTER	32166	3RS ET	S
15-Jan-20	WL	4	2.110	WINTER	32166	3RS ET	S
16-Jan-20	NWL	2	25.710	WINTER	32166	3RS ET	P
16-Jan-20	NWL	3	36.900	WINTER	32166	3RS ET	P
16-Jan-20	NWL	4	0.300	WINTER	32166	3RS ET	P
16-Jan-20	NWL	2	5.570	WINTER	32166	3RS ET	S
16-Jan-20	NWL	3	5.220	WINTER	32166	3RS ET	S
16-Jan-20	NWL	4	0.200	WINTER	32166	3RS ET	S
17-Jan-20	NWL	2	4.600	WINTER	32166	3RS ET	P
17-Jan-20	NWL	3	49.000	WINTER	32166	3RS ET	P
17-Jan-20	NWL	4	9.300	WINTER	32166	3RS ET	P
17-Jan-20	NWL	2	1.000	WINTER	32166	3RS ET	S
17-Jan-20	NWL	3	9.500	WINTER	32166	3RS ET	S
17-Jan-20	NWL	4	2.100	WINTER	32166	3RS ET	S
22-Jan-20	SWL	1	2.200	WINTER	32166	3RS ET	P
22-Jan-20	SWL	2	47.923	WINTER	32166	3RS ET	P
22-Jan-20	SWL	3	4.200	WINTER	32166	3RS ET	P
22-Jan-20	SWL	2	14.227	WINTER	32166	3RS ET	S
22-Jan-20	SWL	3	1.200	WINTER	32166	3RS ET	S
10-Feb-20	NWL	2	58.000	WINTER	32166	3RS ET	P
10-Feb-20	NWL	3	5.360	WINTER	32166	3RS ET	P
10-Feb-20	NWL	2	11.700	WINTER	32166	3RS ET	S
11-Feb-20	NWL	2	30.200	WINTER	32166	3RS ET	P
11-Feb-20	NWL	3	33.800	WINTER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
11-Feb-20	NWL	2	4.600	WINTER	32166	3RS ET	S
11-Feb-20	NWL	3	6.900	WINTER	32166	3RS ET	S
12-Feb-20	AW	2	4.552	WINTER	32166	3RS ET	P
12-Feb-20	WL	2	18.710	WINTER	32166	3RS ET	P
12-Feb-20	WL	3	0.959	WINTER	32166	3RS ET	P
12-Feb-20	WL	2	8.676	WINTER	32166	3RS ET	S
12-Feb-20	WL	3	1.631	WINTER	32166	3RS ET	S
17-Feb-20	NEL	2	7.100	WINTER	32166	3RS ET	P
17-Feb-20	NEL	3	29.780	WINTER	32166	3RS ET	P
17-Feb-20	NEL	2	3.900	WINTER	32166	3RS ET	S
17-Feb-20	NEL	3	6.420	WINTER	32166	3RS ET	S
18-Feb-20	NEL	2	15.530	WINTER	32166	3RS ET	P
18-Feb-20	NEL	3	21.650	WINTER	32166	3RS ET	P
18-Feb-20	NEL	2	5.120	WINTER	32166	3RS ET	S
18-Feb-20	NEL	3	5.000	WINTER	32166	3RS ET	S
20-Feb-20	AW	3	4.920	WINTER	32166	3RS ET	P
20-Feb-20	WL	2	13.391	WINTER	32166	3RS ET	P
20-Feb-20	WL	3	5.057	WINTER	32166	3RS ET	P
20-Feb-20	WL	2	9.593	WINTER	32166	3RS ET	S
20-Feb-20	WL	4	1.013	WINTER	32166	3RS ET	S
21-Feb-20	SWL	3	26.930	WINTER	32166	3RS ET	P
21-Feb-20	SWL	4	18.000	WINTER	32166	3RS ET	P
21-Feb-20	SWL	5	9.200	WINTER	32166	3RS ET	P
21-Feb-20	SWL	3	7.600	WINTER	32166	3RS ET	S
21-Feb-20	SWL	4	7.700	WINTER	32166	3RS ET	S
21-Feb-20	SWL	5	1.270	WINTER	32166	3RS ET	S
26-Feb-20	SWL	1	1.800	WINTER	32166	3RS ET	P
26-Feb-20	SWL	2	49.708	WINTER	32166	3RS ET	P
26-Feb-20	SWL	3	0.840	WINTER	32166	3RS ET	P
26-Feb-20	SWL	2	13.918	WINTER	32166	3RS ET	S
26-Feb-20	SWL	3	1.970	WINTER	32166	3RS ET	S
2-Mar-20	NEL	2	2.500	SPRING	32166	3RS ET	P
2-Mar-20	NEL	3	32.140	SPRING	32166	3RS ET	P
2-Mar-20	NEL	4	2.600	SPRING	32166	3RS ET	P
2-Mar-20	NEL	2	1.200	SPRING	32166	3RS ET	S
2-Mar-20	NEL	3	8.160	SPRING	32166	3RS ET	S
2-Mar-20	NEL	4	1.000	SPRING	32166	3RS ET	S
6-Mar-20	NEL	2	3.460	SPRING	32166	3RS ET	P
6-Mar-20	NEL	3	33.340	SPRING	32166	3RS ET	P
6-Mar-20	NEL	2	1.200	SPRING	32166	3RS ET	S
6-Mar-20	NEL	3	9.900	SPRING	32166	3RS ET	S
11-Mar-20	NWL	2	4.786	SPRING	32166	3RS ET	P
11-Mar-20	NWL	3	53.890	SPRING	32166	3RS ET	P
11-Mar-20	NWL	4	1.400	SPRING	32166	3RS ET	P
11-Mar-20	NWL	3	12.430	SPRING	32166	3RS ET	S
12-Mar-20	AW	4	4.920	SPRING	32166	3RS ET	P
12-Mar-20	WL	3	1.675	SPRING	32166	3RS ET	P
12-Mar-20	WL	4	15.140	SPRING	32166	3RS ET	P
12-Mar-20	WL	5	2.008	SPRING	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
12-Mar-20	WL	3	0.480	SPRING	32166	3RS ET	S
12-Mar-20	WL	4	7.380	SPRING	32166	3RS ET	S
12-Mar-20	WL	5	1.762	SPRING	32166	3RS ET	S
17-Mar-20	NWL	2	39.340	SPRING	32166	3RS ET	P
17-Mar-20	NWL	3	23.260	SPRING	32166	3RS ET	P
17-Mar-20	NWL	4	1.000	SPRING	32166	3RS ET	P
17-Mar-20	NWL	2	6.700	SPRING	32166	3RS ET	S
17-Mar-20	NWL	3	4.900	SPRING	32166	3RS ET	S
18-Mar-20	AW	2	5.000	SPRING	32166	3RS ET	P
18-Mar-20	WL	2	9.543	SPRING	32166	3RS ET	P
18-Mar-20	WL	3	9.425	SPRING	32166	3RS ET	P
18-Mar-20	WL	2	7.497	SPRING	32166	3RS ET	S
18-Mar-20	WL	3	2.691	SPRING	32166	3RS ET	S
19-Mar-20	SWL	1	6.940	SPRING	32166	3RS ET	P
19-Mar-20	SWL	2	38.570	SPRING	32166	3RS ET	P
19-Mar-20	SWL	3	8.050	SPRING	32166	3RS ET	P
19-Mar-20	SWL	2	14.355	SPRING	32166	3RS ET	S
19-Mar-20	SWL	3	2.200	SPRING	32166	3RS ET	S
23-Mar-20	SWL	1	6.890	SPRING	32166	3RS ET	P
23-Mar-20	SWL	2	45.972	SPRING	32166	3RS ET	P
23-Mar-20	SWL	1	1.350	SPRING	32166	3RS ET	S
23-Mar-20	SWL	2	14.535	SPRING	32166	3RS ET	S

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

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
7-Jan-20	1	1033	FP	1	SWL	2	N/A	OFF	3RS ET	22.2218	113.9359	WINTER	NONE	P
7-Jan-20	2	1123	CWD	2	SWL	2	849	ON	3RS ET	22.1646	113.9274	WINTER	NONE	P
7-Jan-20	3	1501	CWD	7	SWL	2	715	ON	3RS ET	22.1943	113.8589	WINTER	NONE	P
7-Jan-20	4	1543	CWD	2	SWL	2	26	ON	3RS ET	22.1879	113.8490	WINTER	NONE	P
10-Jan-20	1	1023	CWD	5	WL	2	16	ON	3RS ET	22.2756	113.8503	WINTER	NONE	S
10-Jan-20	2	1052	CWD	3	WL	2	140	ON	3RS ET	22.2643	113.8572	WINTER	NONE	S
10-Jan-20	3	1153	CWD	8	WL	2	579	ON	3RS ET	22.2347	113.8242	WINTER	NONE	S
15-Jan-20	1	1041	CWD	7	WL	3	304	ON	3RS ET	22.2688	113.8490	WINTER	NONE	P
15-Jan-20	2	1109	CWD	5	WL	3	456	ON	3RS ET	22.2607	113.8495	WINTER	NONE	P
15-Jan-20	3	1132	CWD	6	WL	4	12	ON	3RS ET	22.2503	113.8441	WINTER	NONE	P
15-Jan-20	4	1209	CWD	3	WL	3	1864	ON	3RS ET	22.2257	113.8374	WINTER	NONE	S
16-Jan-20	1	1339	CWD	1	NWL	2	861	ON	3RS ET	22.3359	113.9111	WINTER	NONE	S
22-Jan-20	1	1101	FP	1	SWL	2	69	ON	3RS ET	22.1433	113.9273	WINTER	NONE	S
22-Jan-20	2	1115	FP	2	SWL	2	149	ON	3RS ET	22.1671	113.9278	WINTER	NONE	P
22-Jan-20	3	1159	FP	6	SWL	2	39	ON	3RS ET	22.1591	113.9176	WINTER	NONE	P
22-Jan-20	4	1319	FP	1	SWL	2	35	ON	3RS ET	22.1582	113.8978	WINTER	NONE	P
22-Jan-20	5	1517	CWD	2	SWL	2	362	ON	3RS ET	22.1881	113.8492	WINTER	NONE	P
22-Jan-20	6	1531	CWD	2	SWL	2	82	ON	3RS ET	22.1898	113.8490	WINTER	NONE	P
10-Feb-20	1	0953	CWD	5	NWL	2	31	ON	3RS ET	22.3704	113.8700	WINTER	NONE	P
12-Feb-20	1	0936	CWD	6	AW	2	11	ON	3RS ET	22.3032	113.8723	WINTER	NONE	P
12-Feb-20	2	1103	CWD	2	WL	2	22	ON	3RS ET	22.2688	113.8576	WINTER	NONE	P
12-Feb-20	3	1129	CWD	1	WL	2	365	ON	3RS ET	22.2554	113.8358	WINTER	NONE	S
12-Feb-20	4	1143	CWD	1	WL	2	80	ON	3RS ET	22.2502	113.8347	WINTER	NONE	P
12-Feb-20	5	1231	CWD	1	WL	2	317	ON	3RS ET	22.2232	113.8359	WINTER	NONE	P
12-Feb-20	6	1249	CWD	1	WL	2	38	ON	3RS ET	22.2229	113.8313	WINTER	NONE	P
12-Feb-20	7	1304	CWD	3	WL	2	43	ON	3RS ET	22.2145	113.8270	WINTER	NONE	P
20-Feb-20	1	1048	CWD	2	WL	2	45	ON	3RS ET	22.2599	113.8494	WINTER	NONE	P
20-Feb-20	2	1054	CWD	2	WL	2	175	ON	3RS ET	22.2611	113.8428	WINTER	NONE	P
20-Feb-20	3	1148	CWD	6	WL	2	305	ON	3RS ET	22.2235	113.8328	WINTER	NONE	P
20-Feb-20	4	1238	CWD	3	WL	2	282	ON	3RS ET	22.2005	113.8254	WINTER	NONE	S
26-Feb-20	1	1049	FP	2	SWL	2	294	ON	3RS ET	22.1800	113.9361	WINTER	NONE	P
26-Feb-20	2	1058	FP	1	SWL	2	69	ON	3RS ET	22.1669	113.9362	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
26-Feb-20	3	1102	FP	2	SWL	2	604	ON	3RS ET	22.1632	113.9361	WINTER	NONE	P
26-Feb-20	4	1110	FP	2	SWL	2	1	ON	3RS ET	22.1489	113.9347	WINTER	NONE	S
26-Feb-20	5	1113	FP	2	SWL	2	11	ON	3RS ET	22.1473	113.9332	WINTER	NONE	S
26-Feb-20	6	1118	FP	1	SWL	2	246	ON	3RS ET	22.1437	113.9283	WINTER	NONE	S
26-Feb-20	7	1122	FP	3	SWL	2	89	ON	3RS ET	22.1484	113.9275	WINTER	NONE	S
26-Feb-20	8	1149	FP	2	SWL	2	179	ON	3RS ET	22.2012	113.9271	WINTER	NONE	P
26-Feb-20	9	1222	FP	1	SWL	2	137	ON	3RS ET	22.1533	113.9178	WINTER	NONE	P
26-Feb-20	10	1226	FP	1	SWL	2	124	ON	3RS ET	22.1489	113.9177	WINTER	NONE	P
26-Feb-20	11	1229	FP	1	SWL	2	32	ON	3RS ET	22.1468	113.9181	WINTER	NONE	P
26-Feb-20	12	1242	FP	1	SWL	3	293	ON	3RS ET	22.1493	113.9085	WINTER	NONE	P
26-Feb-20	13	1249	FP	1	SWL	2	3	ON	3RS ET	22.1549	113.9062	WINTER	NONE	S
26-Feb-20	14	1352	FP	1	SWL	2	171	ON	3RS ET	22.1555	113.8976	WINTER	NONE	P
26-Feb-20	15	1544	CWD	2	SWL	2	745	ON	3RS ET	22.1784	113.8498	WINTER	NONE	P
11-Mar-20	1	0938	CWD	8	NWL	2	712	ON	3RS ET	22.4130	113.8701	SPRING	NONE	P
11-Mar-20	2	1055	CWD	2	NWL	3	118	ON	3RS ET	22.2980	113.8701	SPRING	NONE	P
12-Mar-20	1	1030	CWD	4	WL	4	N/A	OFF	3RS ET	22.2778	113.8565	SPRING	NONE	P
12-Mar-20	2	1046	CWD	1	WL	5	36	ON	3RS ET	22.2693	113.8518	SPRING	NONE	P
12-Mar-20	3	1056	CWD	1	WL	3	192	ON	3RS ET	22.2635	113.8568	SPRING	NONE	S
12-Mar-20	4	1108	CWD	4	WL	3	440	ON	3RS ET	22.2611	113.8489	SPRING	NONE	P
12-Mar-20	5	1136	CWD	2	WL	3	751	ON	3RS ET	22.2482	113.8517	SPRING	NONE	S
18-Mar-20	1	1052	CWD	1	WL	3	102	ON	3RS ET	22.2605	113.8500	SPRING	NONE	P
18-Mar-20	2	1201	CWD	5	WL	2	147	ON	3RS ET	22.2324	113.8236	SPRING	NONE	S
18-Mar-20	3	1246	CWD	2	WL	3	29	ON	3RS ET	22.2130	113.8365	SPRING	NONE	S
19-Mar-20	1	1035	FP	3	SWL	1	38	ON	3RS ET	22.2111	113.9360	SPRING	NONE	P
19-Mar-20	2	1042	FP	1	SWL	2	79	ON	3RS ET	22.1984	113.9363	SPRING	NONE	P
19-Mar-20	3	1046	FP	2	SWL	2	230	ON	3RS ET	22.1951	113.9362	SPRING	NONE	P
19-Mar-20	4	1050	FP	11	SWL	2	162	ON	3RS ET	22.1909	113.9357	SPRING	NONE	P
19-Mar-20	5	1106	FP	2	SWL	2	8	ON	3RS ET	22.1708	113.9359	SPRING	NONE	P
19-Mar-20	6	1216	FP	2	SWL	2	352	ON	3RS ET	22.1552	113.9177	SPRING	NONE	P
19-Mar-20	7	1221	FP	1	SWL	2	62	ON	3RS ET	22.1487	113.9176	SPRING	NONE	P
19-Mar-20	8	1259	FP	3	SWL	2	452	ON	3RS ET	22.1924	113.9078	SPRING	NONE	P
19-Mar-20	9	1408	FP	2	SWL	2	146	ON	3RS ET	22.1909	113.8878	SPRING	NONE	P
23-Mar-20	1	1047	FP	3	SWL	2	128	ON	3RS ET	22.1813	113.9359	SPRING	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
23-Mar-20	2	1050	FP	6	SWL	2	37	ON	3RS ET	22.1788	113.9358	SPRING	NONE	P
23-Mar-20	3	1056	FP	1	SWL	2	179	ON	3RS ET	22.1704	113.9365	SPRING	NONE	P
23-Mar-20	4	1101	FP	1	SWL	2	228	ON	3RS ET	22.1633	113.9357	SPRING	NONE	P
23-Mar-20	5	1118	FP	2	SWL	2	36	ON	3RS ET	22.1532	113.9275	SPRING	NONE	P
23-Mar-20	6	1127	FP	1	SWL	2	267	ON	3RS ET	22.1710	113.9278	SPRING	NONE	P
23-Mar-20	7	1207	FP	4	SWL	2	139	ON	3RS ET	22.1632	113.9183	SPRING	NONE	P
23-Mar-20	8	1224	FP	4	SWL	2	245	ON	3RS ET	22.1449	113.9080	SPRING	NONE	P
23-Mar-20	9	1231	FP	2	SWL	2	165	ON	3RS ET	22.1549	113.9047	SPRING	NONE	S
23-Mar-20	10	1332	FP	5	SWL	2	424	ON	3RS ET	22.1535	113.8977	SPRING	NONE	P
23-Mar-20	11	1338	FP	1	SWL	2	237	ON	3RS ET	22.1488	113.8931	SPRING	NONE	S
23-Mar-20	12	1346	FP	1	SWL	2	3	ON	3RS ET	22.1578	113.8879	SPRING	NONE	P
23-Mar-20	13	1355	FP	2	SWL	2	431	ON	3RS ET	22.1743	113.8880	SPRING	NONE	P
23-Mar-20	14	1359	FP	1	SWL	2	274	ON	3RS ET	22.1816	113.8878	SPRING	NONE	P
23-Mar-20	15	1426	FP	1	SWL	2	572	ON	3RS ET	22.1932	113.8780	SPRING	NONE	P
23-Mar-20	16	1455	FP	4	SWL	2	351	ON	3RS ET	22.1597	113.8721	SPRING	NONE	S
23-Mar-20	17	1519	CWD	4	SWL	2	535	ON	3RS ET	22.1996	113.8618	SPRING	NONE	P
23-Mar-20	18	1607	CWD	3	SWL	2	299	ON	3RS ET	22.1951	113.8503	SPRING	NONE	P

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

Notes:

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

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

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

A total of 412.379 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 10 on-effort sightings and total number of 32 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in March 2020 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in March 2020

$$STG = \frac{10}{412.379}\ x\ 100 = 2.42$$

Encounter Rate by Number of Dolphins (ANI) in March 2020

$$ANI = \frac{32}{412.379}\ x\ 100 = 7.76$$

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

A total of 1242.844 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 35 on-effort sightings and total number of 114 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)

$$STG = \frac{35}{1242.844}\ x\ 100 = 2.82$$

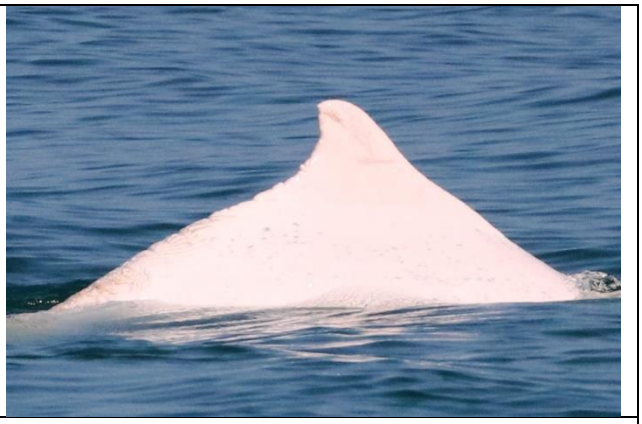
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{114}{1242.844}\ x\ 100 = 9.17$$

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

NLMM042_20200311_1_1	SLMM014_20200311_2_2
SLMM028_20200311_2_6	SLMM014_20200312_3_2
SLMM003_20200312_4_5	SLMM012_20200312_4_2
SLMM037_20200312_4_2	SLMM052_20200312_4_1_Right

SLMM059_20200318_2_6	WLMM151_20200318_2_8
WLMM152_20200318_2_1	SLMM044_20200318_3_4
WLMM040_20200318_3_8	SLMM011_20200323_17_5
SLMM031_20200323_17_21	SLMM034_20200323_17_9

	
SLMM011_20200323_18_5	SLMM031_20200323_18_4
SLMM034_20200323_18_4	

CWD Land-based Theodolite Tracking Survey

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
9/Mar/20	Lung Kwu Chau	8:50	14:50	6:00	2-3	2-3	0	-
23/Mar/20	Sha Chau	10:52	16:52	6:00	2-3	2	0	-

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