Appendix C. Monitoring Results

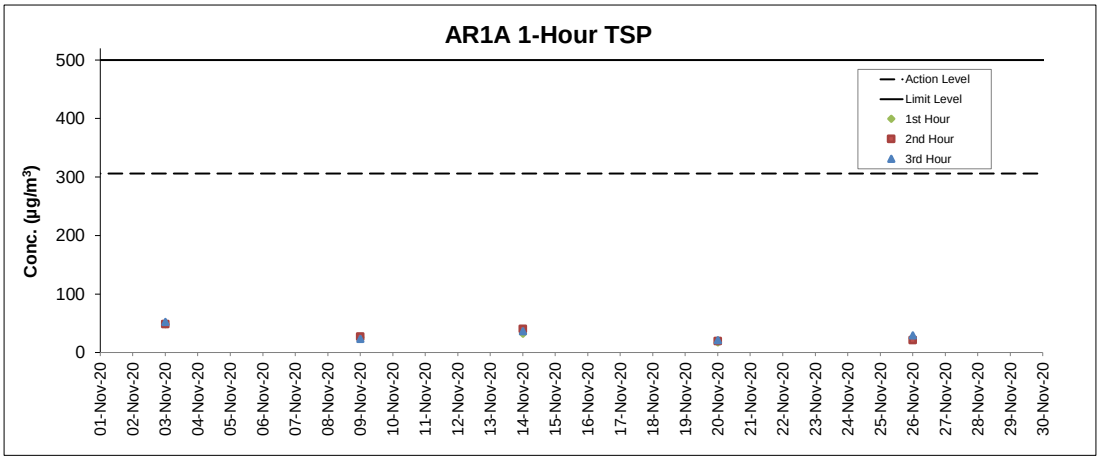
Air Quality Monitoring Results

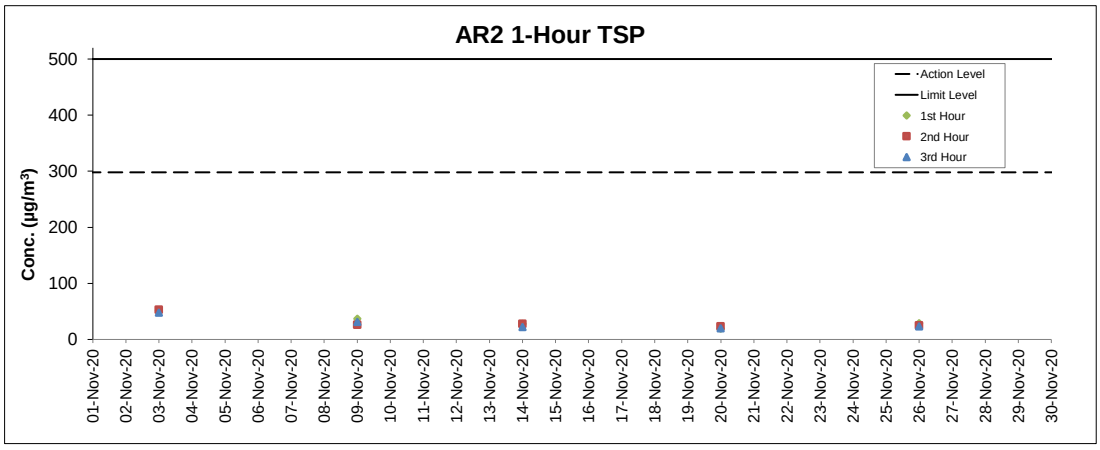
1-hour TSP Results
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
03-Nov-20	14:23	Cloudy	2.8	45	48	306	500
03-Nov-20	15:23	Cloudy	3.3	54	48	306	500
03-Nov-20	16:23	Cloudy	3.9	33	52	306	500
09-Nov-20	13:43	Cloudy	3.6	54	26	306	500
09-Nov-20	14:43	Cloudy	3.9	46	27	306	500
09-Nov-20	15:43	Cloudy	4.2	68	23	306	500
14-Nov-20	9:04	Cloudy	4.4	41	32	306	500
14-Nov-20	10:04	Cloudy	4.2	45	40	306	500
14-Nov-20	11:04	Cloudy	4.4	42	36	306	500
20-Nov-20	13:50	Cloudy	4.4	258	17	306	500
20-Nov-20	14:50	Cloudy	5.0	244	19	306	500
20-Nov-20	15:50	Cloudy	4.2	255	21	306	500
26-Nov-20	14:08	Cloudy	4.7	288	24	306	500
26-Nov-20	15:08	Cloudy	4.4	233	21	306	500
26-Nov-20	16:08	Cloudy	2.8	238	29	306	500

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

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
03-Nov-20	13:01	Cloudy	3.3	346	52	298	500
03-Nov-20	14:01	Cloudy	2.2	71	53	298	500
03-Nov-20	15:01	Cloudy	4.2	43	48	298	500
09-Nov-20	9:41	Cloudy	5.3	36	37	298	500
09-Nov-20	10:41	Cloudy	3.3	40	26	298	500
09-Nov-20	11:41	Cloudy	4.2	44	31	298	500
14-Nov-20	13:05	Cloudy	3.3	15	28	298	500
14-Nov-20	14:05	Cloudy	3.9	41	28	298	500
14-Nov-20	15:05	Cloudy	4.2	21	22	298	500
20-Nov-20	13:34	Cloudy	4.2	254	19	298	500
20-Nov-20	14:34	Cloudy	5.0	243	23	298	500
20-Nov-20	15:34	Cloudy	5.0	246	20	298	500
26-Nov-20	9:33	Cloudy	3.1	61	29	298	500
26-Nov-20	10:33	Cloudy	2.5	62	25	298	500
26-Nov-20	11:33	Cloudy	2.2	72	23	298	500





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

Noise Monitoring Results

Noise Measurement Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Nov-20	Cloudy	15:33	70.3	51.4	72
03-Nov-20	Cloudy	15:38	74.3	53.3	
03-Nov-20	Cloudy	15:43	73.1	51.5	
03-Nov-20	Cloudy	15:48	73.2	51.1	
03-Nov-20	Cloudy	15:53	73.8	51.9	
03-Nov-20	Cloudy	15:58	73.5	51.6	
09-Nov-20	Cloudy	14:32	65.3	54.8	65
09-Nov-20	Cloudy	14:37	64.5	53.8	
09-Nov-20	Cloudy	14:42	65.2	53.8	
09-Nov-20	Cloudy	14:47	64.2	53.1	
09-Nov-20	Cloudy	14:52	68.0	52.1	
09-Nov-20	Cloudy	14:57	67.8	57.0	
20-Nov-20	Cloudy	10:38	68.0	60.9	70
20-Nov-20	Cloudy	10:43	72.1	57.4	
20-Nov-20	Cloudy	10:48	69.3	61.7	
20-Nov-20	Cloudy	10:53	64.9	60.8	
20-Nov-20	Cloudy	10:58	66.8	61.4	
20-Nov-20	Cloudy	11:03	68.3	62.5	
26-Nov-20	Cloudy	14:25	62.1	54.7	65
26-Nov-20	Cloudy	14:30	59.9	54.7	
26-Nov-20	Cloudy	14:35	66.8	56.5	
26-Nov-20	Cloudy	14:40	66.6	60.4	
26-Nov-20	Cloudy	14:45	64.8	54.4	
26-Nov-20	Cloudy	14:50	64.5	56.2	

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)
02-Nov-20	Cloudy	13:00	63.2	57.0	64
02-Nov-20	Cloudy	13:05	61.5	57.1	
02-Nov-20	Cloudy	13:10	63.4	57.0	
02-Nov-20	Cloudy	13:15	62.8	56.8	
02-Nov-20	Cloudy	13:20	62.9	56.2	
02-Nov-20	Cloudy	13:25	61.6	58.3	
10-Nov-20	Cloudy	13:04	64.1	58.5	64
10-Nov-20	Cloudy	13:09	61.3	57.8	
10-Nov-20	Cloudy	13:14	62.9	58.4	
10-Nov-20	Cloudy	13:19	63.7	57.5	
10-Nov-20	Cloudy	13:24	62.6	58.2	
10-Nov-20	Cloudy	13:29	61.7	57.9	
19-Nov-20	Cloudy	13:02	61.5	57.2	63
19-Nov-20	Cloudy	13:07	60.5	57.3	
19-Nov-20	Cloudy	13:12	61.3	57.3	
19-Nov-20	Cloudy	13:17	63.0	57.8	
19-Nov-20	Cloudy	13:22	60.0	57.7	
19-Nov-20	Cloudy	13:27	60.5	57.0	
23-Nov-20	Cloudy	10:17	60.6	56.6	62
23-Nov-20	Cloudy	10:22	61.2	56.7	
23-Nov-20	Cloudy	10:27	62.1	56.3	
23-Nov-20	Cloudy	10:32	61.0	56.0	
23-Nov-20	Cloudy	10:37	59.5	55.6	
23-Nov-20	Cloudy	10:42	60.7	55.5	

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

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

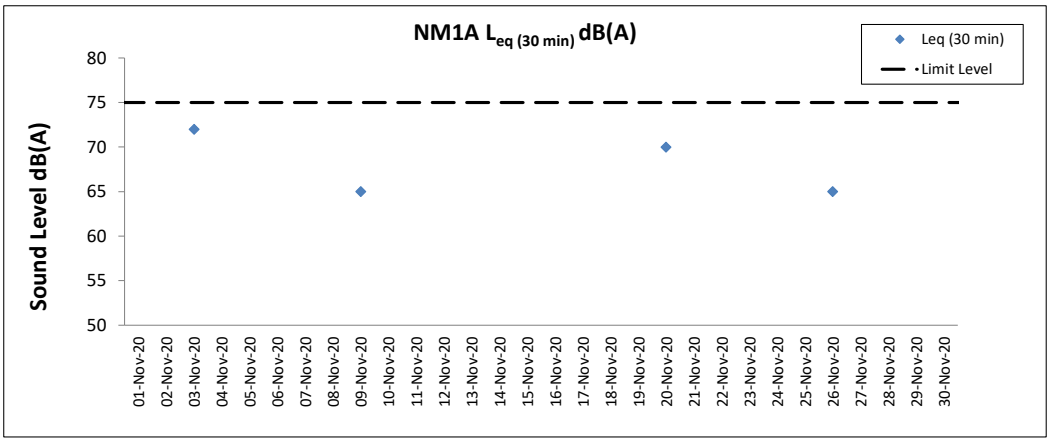
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Nov-20	Cloudy	13:01	52.8	47.3	52
03-Nov-20	Cloudy	13:06	47.7	45.3	
03-Nov-20	Cloudy	13:11	49.7	45.9	
03-Nov-20	Cloudy	13:16	48.4	44.4	
03-Nov-20	Cloudy	13:21	53.8	44.6	
03-Nov-20	Cloudy	13:26	47.3	44.5	
09-Nov-20	Cloudy	10:27	52.7	42.1	53
09-Nov-20	Cloudy	10:32	57.2	47.1	
09-Nov-20	Cloudy	10:37	54.5	48.0	
09-Nov-20	Cloudy	10:42	57.0	49.8	
09-Nov-20	Cloudy	10:47	62.4	49.4	
09-Nov-20	Cloudy	10:52	58.1	49.2	
20-Nov-20	Cloudy	14:16	58.6	54.8	59
20-Nov-20	Cloudy	14:21	58.4	55.0	
20-Nov-20	Cloudy	14:26	59.6	54.4	
20-Nov-20	Cloudy	14:31	57.5	54.1	
20-Nov-20	Cloudy	14:36	57.0	54.3	
20-Nov-20	Cloudy	14:41	60.6	54.1	
26-Nov-20	Cloudy	09:51	59.6	56.6	53
26-Nov-20	Cloudy	09:56	58.9	56.2	
26-Nov-20	Cloudy	10:01	58.9	56.0	
26-Nov-20	Cloudy	10:06	58.3	56.2	
26-Nov-20	Cloudy	10:11	60.9	53.8	
26-Nov-20	Cloudy	10:16	55.5	53.3	

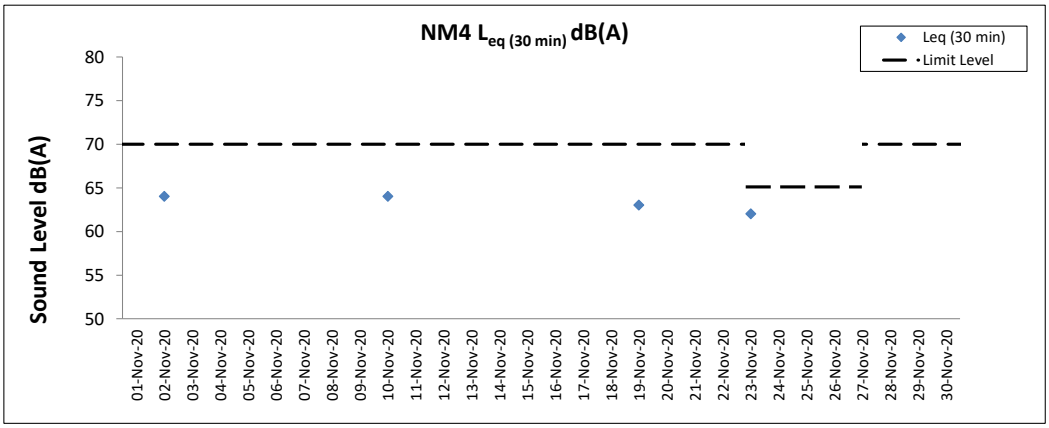
Remarks:
+3dB (A) correction was applied to free-field measurement.

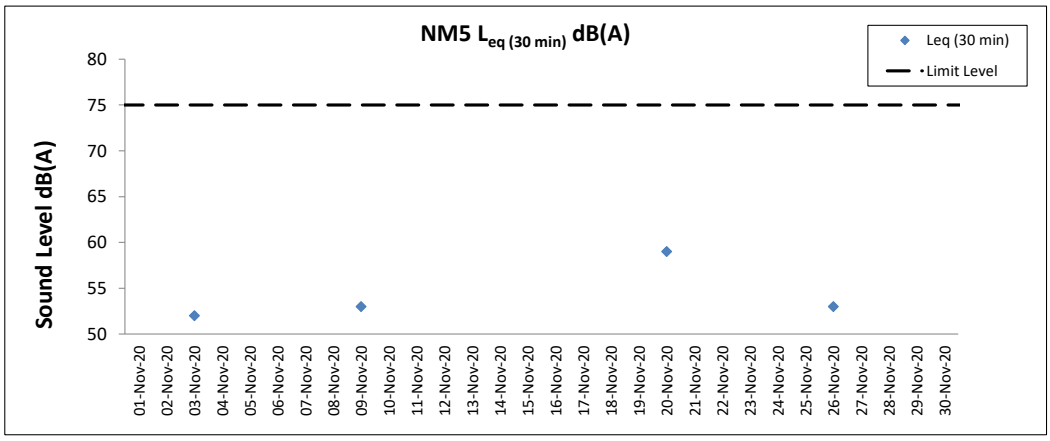
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

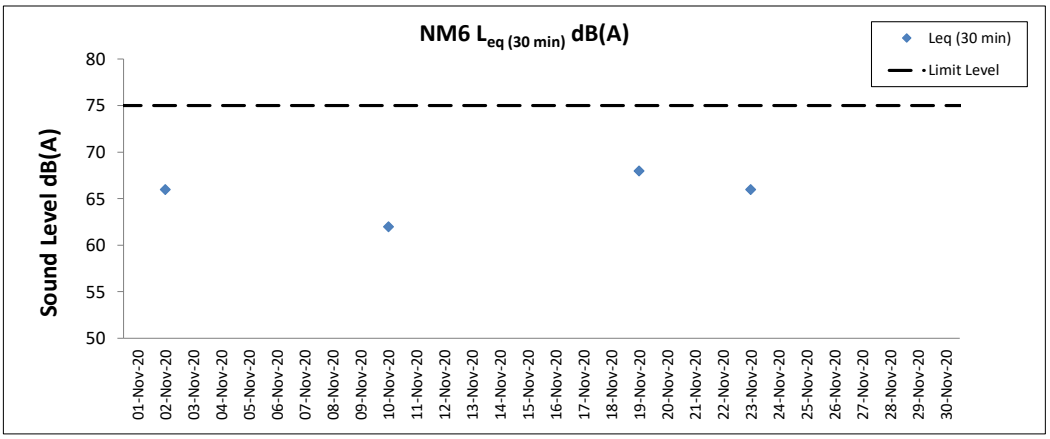
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
02-Nov-20	Cloudy	15:50	66.7	57.8	66
02-Nov-20	Cloudy	15:55	64.9	57.6	
02-Nov-20	Cloudy	16:00	67.2	57.4	
02-Nov-20	Cloudy	16:05	66.1	57.9	
02-Nov-20	Cloudy	16:10	65.6	57.8	
02-Nov-20	Cloudy	16:15	65.6	57.7	
10-Nov-20	Cloudy	15:49	65.7	57.4	62
10-Nov-20	Cloudy	15:54	74.2	57.9	
10-Nov-20	Cloudy	15:59	56.0	51.0	
10-Nov-20	Cloudy	16:04	67.2	53.4	
10-Nov-20	Cloudy	16:09	67.0	53.9	
10-Nov-20	Cloudy	16:14	68.1	51.8	
19-Nov-20	Cloudy	15:47	70.6	52.7	68
19-Nov-20	Cloudy	15:52	75.7	56.6	
19-Nov-20	Cloudy	15:57	71.1	51.1	
19-Nov-20	Cloudy	16:02	69.5	54.8	
19-Nov-20	Cloudy	16:07	64.9	56.0	
19-Nov-20	Cloudy	16:12	73.7	54.4	
23-Nov-20	Cloudy	11:40	65.6	57.5	66
23-Nov-20	Cloudy	11:45	62.1	56.3	
23-Nov-20	Cloudy	11:50	62.1	57.6	
23-Nov-20	Cloudy	11:55	63.6	56.8	
23-Nov-20	Cloudy	12:00	68.7	57.8	
23-Nov-20	Cloudy	12:05	63.3	58.1	

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 November 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	13:44	8.8	Surface	1.0	0.2	257	24.0	24.0	8.3	8.3	31.6	31.7	100.7	99.8	7.1	6.9	4.6	7.0	3	4	85	87	815601	804257	<0.2	<0.2	0.7	0.8
						1.0	0.2	280	24.0		8.3		31.8		98.9		7.0		5.0		4		85				<0.2		0.7	
					Middle	4.4	0.1	229	23.8	23.8	8.3	8.3	32.3	32.3	96.6	96.6	6.8		6.3		4		87				<0.2		0.9	
						4.4	0.1	239	23.8		8.3		32.4		96.5		6.8		6.4		3		88				<0.2		0.9	
					Bottom	7.8	0.1	187	23.8	23.8	8.3	8.3	32.6	32.6	96.7	96.8	6.8	6.8	9.9		4		89				<0.2		0.8	
						7.8	0.1	202	23.8		8.3		32.6		96.9		6.8		9.9		3		89				<0.2		0.9	
C2	Fine	Moderate	12:38	11.8	Surface	1.0	0.2	21	24.9	24.9	8.2	8.2	31.8	31.8	101.2	101.1	7.0	7.0	1.4	3.1	4	4	85	88	825671	806935	<0.2	<0.2	0.8	0.8
						1.0	0.2	21	24.9		8.2		31.8		101.0		7.0		1.4		4		88				<0.2		0.8	
					Middle	5.9	0.2	353	24.9	24.9	8.2	8.2	32.0	32.0	101.6	101.4	7.0		2.2		4		88				<0.2		0.8	
						5.9	0.2	325	24.9		8.2		32.0		101.2		7.0		2.5		4		89				<0.2		0.8	
					Bottom	10.8	0.3	27	24.7	24.7	8.2	8.2	32.5	32.5	100.5	100.5	6.9	6.9	5.4		4		90				<0.2		0.9	
						10.8	0.3	29	24.7		8.2		32.5		100.4		6.9		5.6		4		85				<0.2		0.8	
C3	Fine	Moderate	14:22	12.8	Surface	1.0	0.5	70	25.0	25.0	8.1	8.1	33.8	33.8	91.7	91.6	6.3	6.2	-	2.4	3	3	87	90	822093	817810	<0.2	<0.2	0.8	0.8
						1.0	0.6	71	25.0		8.1		33.8		91.5		6.2		0.1		3		87				<0.2		0.9	
					Middle	6.4	0.4	73	25.0	25.0	8.1	8.1	33.8	33.8	90.3	90.3	6.2		1.2		3		90				<0.2		0.8	
						6.4	0.5	78	25.0		8.1		33.8		90.2		6.2		1.3		3		91				<0.2		0.7	
					Bottom	11.8	0.4	82	24.9	24.9	8.1	8.1	33.9	33.9	89.4	89.4	6.1	6.1	4.7		3		91				<0.2		0.8	
						11.8	0.4	87	24.9		8.1		33.9		89.4		6.1		4.8		4		91				<0.2		0.8	
IM1	Cloudy	Moderate	13:23	4.8	Surface	1.0	0.1	199	24.4	24.4	8.3	8.3	31.1	31.1	105.8	105.8	7.4	7.4	4.3	5.4	3	4	87	88	817937	807152	<0.2	<0.2	0.7	0.7
						1.0	0.1	214	24.4		8.3		31.1		105.8		7.4		4.3		3		86				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	160	24.0	24.0	8.3	8.3	31.0	31.0	100.4	100.4	7.1	7.1	6.8		4		89				<0.2		0.7	
						3.8	0.1	165	24.0		8.3		31.0		100.4		7.1		6.3		4		89				<0.2		0.6	
IM2	Cloudy	Moderate	13:15	7.4	Surface	1.0	0.0	294	24.1	24.1	8.3	8.3	31.3	31.3	99.8	99.8	7.0	7.0	6.4	10.0	5	6	85	88	818150	806157	<0.2	<0.2	0.6	0.7
						1.0	0.0	313	24.1		8.3		31.3		99.7		7.0		6.4		5		86				<0.2		0.8	
					Middle	3.7	0.1	35	24.0	24.0	8.3	8.3	31.4	31.4	98.7	98.7	6.9		11.5		4		87				<0.2		0.6	
						3.7	0.1	37	24.0		8.3		31.4		98.7		6.9		11.9		5		88				<0.2		0.6	
					Bottom	6.4	0.1	89	24.3	24.3	8.3	8.3	31.2	31.2	98.9	99.0	6.9	6.9	12.0		7		90				<0.2		0.8	
						6.4	0.1	90	24.3		8.3		31.2		99.0		6.9		11.6		7		90				<0.2		0.6	
IM3	Cloudy	Moderate	13:09	7.5	Surface	1.0	0.0	229	24.1	24.1	8.3	8.3	31.2	31.2	100.1	100.1	7.0	7.0	6.2	8.3	6	5	86	88	818803	805590	<0.2	<0.2	0.8	0.9
						1.0	0.0	237	24.1		8.3		31.2		100.0		7.0		6.2		5		87				<0.2		0.9	
					Middle	3.8	0.0	56	24.0	24.0	8.3	8.3	31.4	31.4	99.1	99.1	7.0		5.5		5		88				<0.2		0.8	
						3.8	0.0	59	24.0		8.3		31.4		99.1		7.0		5.5		5		88				<0.2		0.9	
					Bottom	6.5	0.0	90	24.0	24.0	8.3	8.3	31.4	31.4	98.9	98.9	7.0	7.0	13.1		3		90				<0.2		1.0	
						6.5	0.0	96	24.0		8.3		31.4		98.9		7.0		13.7		4		90				<0.2		1.0	
IM4	Cloudy	Moderate	13:00	7.9	Surface	1.0	0.2	342	24.0	24.0	8.3	8.3	31.3	31.3	98.2	98.2	6.9	6.9	8.2	11.6	6	4	86	88	819703	804618	<0.2	<0.2	0.8	0.9
						1.0	0.2	348	24.0		8.3		31.3		98.1		6.9		8.4		5		85				<0.2		0.8	
					Middle	4.0	0.2	30	23.9	23.9	8.3	8.3	31.5	31.5	98.0	98.0	6.9		12.4		5		88				<0.2		0.9	
						4.0	0.2	32	23.9		8.3		31.5		98.0		6.9		12.7		4		88				<0.2		0.9	
					Bottom	6.9	0.2	12	23.9	23.9	8.3	8.3	31.5	31.5	98.8	98.9	7.0	7.0	13.9		2		90				<0.2		0.9	
						6.9	0.2	12	23.9		8.3		31.5		99.0		7.0		13.7		3		89				<0.2		0.9	
IM5	Cloudy	Moderate	12:50	8.0	Surface	1.0	0.3	345	24.0	24.0	8.3	8.3	31.1	31.1	98.6	98.6	6.9	6.9	7.9	10.5	4	5	85	87	820758	804863	<0.2	<0.2	1.1	1.0
						1.0	0.3	317	24.0		8.3		31.1		98.5		6.9		8.1		5		85				<0.2		1.1	
					Middle	4.0	0.2	29	24.0	24.0	8.3	8.3	31.2	31.2	98.5	98.5	6.9		10.6		4		87				<0.2		0.9	
						4.0	0.2	30	24.0		8.3		31.2		98.5		6.9		10.8		4		88				<0.2		0.9	
					Bottom	7.0	0.1	0	24.0	24.0	8.3	8.3	31.3	31.3	99.0	99.1	7.0	7.0	12.8		5		90				<0.2		0.9	
						7.0	0.1	0	24.0		8.3		31.3		99.1		7.0		12.8		5		89				<0.2		0.9	
IM6	Cloudy	Moderate	12:43	7.8	Surface	1.0	0.1	264	24.2	24.2	8.3	8.3	30.5	30.5	101.2	101.2	7.1	7.1	5.2	5.5	5	5	85	88	821056	805838	<0.2	<0.2	0.9	1.0
						1.0	0.1	285	24.2		8.3		30.5		101.2		7.1		5.2		6		86				<0.2		0.9	
					Middle	3.9	0.2	294	24.2	24.2	8.3	8.3	30.7	30.7	100.8	100.8	7.1		5.2		5		87				<0.2		1.0	
						3.9	0.2	295	24.1		8.3		30.7		100.7		7.1		5.2		6		88				<0.2		1.1	
					Bottom	6.8	0.0	200	24.1	24.1	8.3	8.3	30.8	30.8	100.9	101.0	7.1	7.1	6.0		5		89				<0.2		1.1	
						6.8	0.0	209	24.1		8.3		30.8		101.0		7.1		6.1		5		90				<0.2		1.1	
IM7	Cloudy	Moderate	12:37	7.8	Surface	1.0	0.2	217	24.4	24.4	8.4	8.4	30.0	30.1	101.3	101.3	7.1	7.1	4.0	4.5	5	4	86	88	821338	806833	<0.2	<0.2	0.8	0.9
						1.0	0.2	223	24.4		8.4		30.1		101.3		7.1		4.1		5		86				<0.2		0.8	
					Middle	3.9	0.1	181	24.2	24.2	8.4	8.4	30.6	30.6	100.6	100.7	7.1		4.6		4		87				<0.2		1.0	
						3.9	0.1	189	24.2		8.4		30.7		100.7		7.1		4.6		5		88				<0.2		1.0	
					Bottom	6.8	0.2	184	24.1	24.1	8.4	8.4	30.8	30.7	101.3	101.4	7.1	7.1	4.8		4		89				<0.2		0.8	
						6.8	0.2	187	24.1		8.4		30.7		101.4		7.1		4.7		3		89				<0.2		0.9	
IM8	Fine	Moderate	13:04	8.4	Surface	1.0	0.6	85	25.0	24.9	8.2	8.2	32.0	32.0	102.7	102.5	7.1	7.1	1.9	3.2	3	4	85	87	821828	808163	<0.2	<0.2	0.7	0.8
						1.0	0.6	85	24.9		8.2		32.0		102.2		7.1		2.0		4		88				<0.2		0.9	
					Middle	4.2	0.4	75	24.8	24.8	8.2	8.2	32.3	32.3	101.9	101.9	7.0		3.2		4		88				<0.2		0.9	
						4.2	0.4	82	24.8		8.2		32.3		101.9		7.0		3.3		3		89				<0.2		0.7	
					Bottom	7.4	0.3	50	24.7	24.7	8.2	8.2	32.5	32.5	100.5	100.5	6.9	6.9	4.2		4		89				<0.2		0.7	
						7.4	0.3	50	24.7		8.2		32.5		100.5		6.9		4.3		4		84				<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 November 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	13:09	8.0	Surface	1.0	0.3	75	25.2	25.2	8.2	8.2	31.6	31.7	103.2	103.2	7.1	7.1	1.0	1.7	3	4	87	89	822079	808791	<0.2	<0.2	0.7	0.8
						1.0	0.3	75	25.2		8.2		31.7		103.2		7.1		1.0		4		87				<0.2		0.9	
					Middle	4.0	0.3	78	24.9	24.9	8.2	8.2	32.1	32.1	102.0	101.8	7.0		1.6		3		90				<0.2		0.9	
						4.0	0.4	78	24.9		8.2		32.1		101.6		7.0		1.7		4		90				<0.2		0.7	
					Bottom	7.0	0.3	74	24.7	24.7	8.2	8.2	32.5	32.4	100.7	100.6	7.0	7.0	2.3		4		90				<0.2		0.8	
						7.0	0.3	74	24.8		8.2		32.4		100.5		6.9		2.4		3		91				<0.2		0.8	
IM10	Fine	Moderate	13:16	7.8	Surface	1.0	0.4	95	25.1	25.1	8.2	8.2	31.6	31.6	101.7	101.8	7.0	7.0	0.4	0.6	4	4	85	88	822364	809789	<0.2	<0.2	0.8	0.8
						1.0	0.4	98	25.1		8.2		31.6		101.8		7.0		0.4		3		85				<0.2		0.8	
					Middle	3.9	0.4	92	25.0	25.0	8.2	8.2	31.8	31.8	101.1	101.0	7.0		0.7		4		89				<0.2		0.7	
						3.9	0.4	96	25.0		8.2		31.8		100.8		7.0		0.7		3		89				<0.2		0.8	
					Bottom	6.8	0.2	90	25.0	25.0	8.2	8.2	32.4	32.4	100.2	100.3	6.9	6.9	0.8		3		90				<0.2		0.9	
						6.8	0.2	90	25.0		8.2		32.4		100.3		6.9		0.9		4		90				<0.2		0.8	
IM11	Fine	Moderate	13:26	10.0	Surface	1.0	0.2	84	25.1	25.1	8.2	8.2	32.9	32.9	99.4	99.4	6.8	6.8	0.4	0.5	3	3	84	87	822043	811447	<0.2	<0.2	0.7	0.8
						1.0	0.2	91	25.1		8.2		32.9		99.3		6.8		0.4		4		87				<0.2		0.8	
					Middle	5.0	0.1	84	25.0	25.0	8.2	8.2	32.9	32.9	97.8	97.9	6.7		0.5		3		87				<0.2		0.8	
						5.0	0.2	86	25.0		8.2		32.9		98.0		6.7		0.5		3		87				<0.2		0.8	
					Bottom	9.0	0.1	90	25.0	25.0	8.1	8.1	33.0	33.0	97.6	97.8	6.7	6.7	0.5		3		88				<0.2		0.9	
						9.0	0.1	97	25.0		8.1		33.0		98.0		6.7		0.5		4		88				<0.2		0.7	
IM12	Fine	Moderate	13:32	9.6	Surface	1.0	0.2	143	25.2	25.2	8.2	8.2	32.8	32.8	100.5	100.5	6.9	6.9	0.4	0.4	4	3	85	87	821467	812044	<0.2	<0.2	0.8	0.8
						1.0	0.2	146	25.2		8.2		32.8		100.4		6.9		0.4		3		86				<0.2		0.8	
					Middle	4.8	0.1	117	25.2	25.2	8.2	8.2	32.9	32.9	98.7	98.7	6.8		0.3		4		87				<0.2		0.7	
						4.8	0.2	128	25.2		8.2		32.9		98.7		6.8		0.3		3		88				<0.2		0.9	
					Bottom	8.6	0.2	147	25.0	25.0	8.1	8.1	32.9	32.9	98.2	98.2	6.7	6.7	0.4		3		89				<0.2		0.8	
						8.6	0.2	156	25.0		8.1		32.9		98.2		6.7		0.4		2		89				<0.2		1.0	
SR1A	Fine	Calm	13:51	5.2	Surface	1.0	-	-	25.1	25.1	8.2	8.2	32.6	32.6	102.3	102.3	7.0	7.0	0.2	0.2	2	3	-	-	819973	812661	-	-	-	-
						1.0	-	-	25.1		8.2		32.7		102.3		7.0				3		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	25.0	25.0	8.2	8.2	32.7	32.7	101.5	101.5	7.0	7.0	0.1		3		-				-		-	
						4.2	-	-	25.0		8.2		32.7		101.5		7.0		0.1		3		-				-		-	
SR2	Fine	Calm	14:02	5.0	Surface	1.0	0.3	82	25.1	25.1	8.2	8.2	32.9	32.9	96.6	96.5	6.6	6.6	0.5	0.7	3	3	85	87	821458	814150	<0.2	<0.2	0.8	0.9
						1.0	0.3	89	25.1		8.2		32.9		96.4		6.6		0.5		3		85				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	72	25.0	25.0	8.1	8.1	33.3	33.3	98.0	98.2	6.7	6.7	0.8		3		89				<0.2		1.0	
						4.0	0.2	76	25.0		8.1		33.3		98.3		6.7		0.8		2		89				<0.2		0.9	
SR3	Fine	Moderate	12:59	10.0	Surface	1.0	0.4	150	25.1	25.1	8.2	8.2	31.5	31.5	101.5	101.5	7.0	7.0	2.0	4.3	2	3	-	-	822147	807554	-	-	-	-
						1.0	0.4	160	25.1		8.2		31.5		101.5		7.0		2.2		2		-				-		-	
					Middle	5.0	0.3	129	24.9	24.8	8.2	8.2	32.0	32.0	100.4	100.5	6.9		4.9		3		-				-		-	
						5.0	0.3	130	24.8		8.2		32.0		100.5		6.9		5.0		3		-				-		-	
					Bottom	9.0	0.3	104	24.7	24.7	8.2	8.2	32.5	32.5	100.3	100.3	6.9	6.9	5.7		3		-				-		-	
						9.0	0.3	113	24.7		8.2		32.5		100.3		6.9		5.8		3		-				-		-	
SR4A	Cloudy	Moderate	14:07	8.4	Surface	1.0	0.3	66	24.1	24.1	8.3	8.3	31.3	31.3	101.3	101.3	7.1	7.1	6.0	6.4	3	4	-	-	817195	807812	-	-	-	-
						1.0	0.3	71	24.1		8.3		31.3		101.2		7.1		6.0		3		-				-		-	
					Middle	4.2	0.3	73	24.1	24.1	8.3	8.3	31.3	31.3	101.1	101.1	7.1		6.4		3		-				-		-	
						4.2	0.3	77	24.1		8.3		31.3		101.1		7.1		6.4		3		-				-		-	
					Bottom	7.4	0.2	64	24.1	24.1	8.3	8.3	31.3	31.3	101.4	101.5	7.1	7.1	6.8		5		-				-		-	
						7.4	0.2	64	24.1		8.3		31.3		101.6		7.1		6.8		4		-				-		-	
SR5A	Cloudy	Moderate	14:23	3.9	Surface	1.0	0.0	11	24.6	24.6	8.3	8.3	31.1	31.1	106.7	106.7	7.4	7.4	6.2	6.3	4	5	-	-	816571	810690	-	-	-	-
						1.0	0.0	11	24.6		8.3		31.1		106.6		7.4		6.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	2	24.6	24.6	8.3	8.3	31.1	31.1	105.9	105.9	7.4	7.4	6.4		6		-				-		-	
						2.9	0.1	2	24.6		8.3		31.1		105.8		7.4		6.4		5		-				-		-	
SR6A	Cloudy	Moderate	14:51	4.1	Surface	1.0	0.1	53	24.7	24.7	8.3	8.3	30.8	30.8	101.8	101.9	7.1	7.1	10.6	12.5	6	5	-	-	817975	814744	-	-	-	-
						1.0	0.1	57	24.7		8.3		30.8		102.0		7.1		10.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	70	24.5	24.5	8.3	8.3	30.9	30.9	103.3	103.3	7.2	7.2	14.4		4		-				-		-	
						3.1	0.0	73	24.5		8.3		30.9		103.3		7.2		14.5		3		-				-		-	
SR7	Fine	Moderate	14:51	22.0	Surface	1.0	0.5	64	25.0	25.0	8.1	8.1	33.7	33.7	90.9	90.9	6.2	6.2	2.1	2.7	<2	<2	-	-	823651	823727	-	-	-	-
						1.0	0.5	64	25.0		8.1		33.7		90.8		6.2		2.2		<2		-				-		-	
					Middle	11.0	0.4	49	24.9	24.9	8.1	8.1	33.9	33.9	89.4	89.4	6.1		2.7		<2		-				-		-	
						11.0	0.4	50	24.9		8.1		33.9		89.3		6.1		2.8		<2		-				-		-	
					Bottom	21.0	0.3	33	24.9	24.9	8.1	8.1	34.0	34.0	87.8	87.8	6.0	6.0	3.2		<2		-				-		-	
						21.0	0.3	34	24.9		8.1		34.0		87.8		6.0		3.4		<2		-				-		-	
SR8	Fine	Calm	13:42	4.5	Surface	1.0	-	-	25.5	25.5	8.2	8.2	32.5	32.5	101.1	101.2	6.9	6.9	1.4	1.6	4	4	-	-	820406	811617	-	-	-	-
						1.0	-	-	25.5		8.2		32.5		101.2		6.9		1.4		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	25.1	25.1	8.2	8.2	32.6	32.6	100.7	100.5	6.9	6.9	1.7		4		-				-		-	
						3.5	-	-	25.1		8.2		32.6		100.2		6.9		1.9		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 November 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	09:07	8.2	Surface	1.0	0.5	41	23.9	23.9	8.3	8.3	31.5	31.5	96.0	96.0	6.8	6.8	8.7	8.5	6	6	86	87	815625	804268	<0.2	<0.2	0.7	0.7
						1.0	0.5	44	23.9		8.3		31.5		95.9		6.8		9.0		7		84				<0.2		0.6	
					Middle	4.1	0.5	34	23.9	23.9	8.3	8.3	31.5	31.5	96.0	96.0	6.8		8.1		6		88				<0.2		0.7	
						4.1	0.5	35	23.9		8.3		31.5		96.0		6.8		8.2		5		86				<0.2		0.7	
					Bottom	7.2	0.5	34	23.9	23.9	8.3	8.3	31.5	31.5	97.0	97.1	6.8	6.8	8.6		4		89				<0.2		0.8	
						7.2	0.5	36	23.9		8.3		31.5		97.1		6.8		8.2		5		89				<0.2		0.7	
C2	Cloudy	Moderate	09:25	12.0	Surface	1.0	0.4	342	24.9	24.9	8.1	8.1	31.3	31.3	97.0	96.8	6.7	6.7	2.1	4.1	4	5	84	88	825695	806955	<0.2	<0.2	0.8	0.8
						1.0	0.4	315	24.9		8.1		31.3		96.6		6.7		2.3		5		85				<0.2		0.7	
					Middle	6.0	0.4	337	24.9	24.9	8.1	8.1	31.3	31.3	95.8	95.8	6.6		4.7		4		86				<0.2		0.8	
						6.0	0.4	339	24.9		8.1		31.3		95.7		6.6		4.9		5		89				<0.2		0.8	
					Bottom	11.0	0.3	341	25.0	25.0	8.1	8.1	31.5	31.5	96.3	96.4	6.7	6.7	5.4		4		92				<0.2		0.9	
						11.0	0.3	357	25.0		8.1		31.5		96.5		6.7		5.4		5		93				<0.2		0.9	
C3	Cloudy	Moderate	07:44	11.4	Surface	1.0	0.4	264	24.8	24.8	8.2	8.2	32.7	32.7	95.1	94.9	6.5	6.4	2.6	4.9	3	3	86	90	822094	817820	<0.2	<0.2	0.9	0.9
						1.0	0.5	289	24.8		8.2		32.7		94.6		6.5		2.7		4		87				<0.2		1.0	
					Middle	5.7	0.4	267	24.9	24.9	8.1	8.1	32.9	32.9	92.6	92.4	6.4		5.8		3		89				<0.2		1.0	
						5.7	0.5	274	24.9		8.1		32.9		92.1		6.3		5.9		4		90				<0.2		0.9	
					Bottom	10.4	0.5	272	25.0	25.0	8.1	8.1	33.3	33.3	92.6	92.6	6.3	6.3	6.2		3		93				<0.2		0.8	
						10.4	0.5	283	25.0		8.1		33.3		92.6		6.3		6.3		2		94				<0.2		1.0	
IM1	Cloudy	Moderate	09:27	5.1	Surface	1.0	0.1	66	24.1	24.1	8.3	8.3	31.1	31.1	98.8	98.9	7.0	7.0	7.4	8.2	6	6	85	87	817971	807114	<0.2	<0.2	0.8	0.9
						1.0	0.1	70	24.1		8.3		31.1		98.9		7.0		7.5		6		85				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	40	24.1	24.1	8.3	8.3	31.1	31.1	99.6	99.7	7.0	7.0	9.1		5		88				<0.2		0.9	
						4.1	0.2	41	24.1		8.3		31.1		99.7		7.0		8.9		5		89				<0.2		0.9	
IM2	Cloudy	Moderate	09:34	6.9	Surface	1.0	0.2	6	23.9	23.9	8.3	8.3	31.0	31.0	97.9	97.9	6.9	6.9	7.8	9.6	5	5	85	87	818184	806169	<0.2	<0.2	0.9	0.8
						1.0	0.3	6	23.9		8.3		31.0		97.9		6.9		7.8		5		85				<0.2		0.8	
					Middle	3.5	0.2	351	23.9	23.9	8.3	8.3	31.0	31.0	97.9	97.9	6.9		9.1		5		87				<0.2		0.8	
						3.5	0.3	359	23.9		8.3		31.0		97.9		6.9		9.1		4		88				<0.2		0.7	
					Bottom	5.9	0.2	5	23.9	23.9	8.3	8.3	31.0	31.0	98.7	98.8	7.0	7.0	12.0		4		89				<0.2		1.0	
						5.9	0.2	5	23.9		8.3		31.0		98.8		7.0		12.1		4		89				<0.2		0.8	
IM3	Cloudy	Rough	09:42	7.4	Surface	1.0	0.3	335	24.0	24.0	8.3	8.3	30.8	30.8	96.5	96.5	6.8	6.8	10.5	10.2	4	5	86	87	818777	805571	<0.2	<0.2	0.8	0.8
						1.0	0.3	344	24.0		8.3		30.8		96.5		6.8		10.9		5		85				<0.2		0.8	
					Middle	3.7	0.2	348	24.0	24.0	8.3	8.3	30.8	30.8	95.9	95.9	6.8		9.8		6		87				<0.2		0.8	
						3.7	0.2	320	24.0		8.3		30.8		95.9		6.8		9.7		4		88				<0.2		0.9	
					Bottom	6.4	0.3	337	24.0	24.0	8.3	8.3	30.8	30.8	94.6	94.6	6.7	6.7	10.4		6		89				<0.2		0.9	
						6.4	0.3	349	24.0		8.3		30.8		94.5		6.7		10.1		7		89				<0.2		0.7	
IM4	Cloudy	Rough	09:51	7.8	Surface	1.0	0.4	6	24.0	24.0	8.3	8.3	30.6	30.6	98.5	98.5	7.0	7.0	8.6	10.2	6	5	86	88	819705	804603	<0.2	<0.2	0.9	0.8
						1.0	0.5	6	24.0		8.3		30.6		98.5		7.0		8.6		7		86				<0.2		0.9	
					Middle	3.9	0.5	352	24.0	24.0	8.3	8.3	30.5	30.5	99.3	99.3	7.0		9.4		5		87				<0.2		0.8	
						3.9	0.5	324	24.0		8.3		30.5		99.3		7.0		9.9		4		88				<0.2		0.8	
					Bottom	6.8	0.4	7	24.0	24.0	8.3	8.3	30.5	30.5	100.0	100.1	7.1	7.1	12.5		4		90				<0.2		0.8	
						6.8	0.4	7	24.0		8.3		30.5		100.1		7.1		12.2		4		89				<0.2		0.8	
IM5	Cloudy	Rough	09:58	7.3	Surface	1.0	0.7	10	24.0	24.0	8.3	8.3	30.6	30.6	98.3	98.3	6.9	7.0	12.1	11.4	7	5	85	87	820739	804855	<0.2	<0.2	0.9	0.9
						1.0	0.7	10	24.0		8.3		30.6		98.3		6.9		12.1		6		86				<0.2		0.8	
					Middle	3.7	0.5	34	24.0	24.0	8.3	8.3	30.6	30.6	99.1	99.1	7.0		10.8		5		87				<0.2		1.0	
						3.7	0.5	37	24.0		8.3		30.6		99.1		7.0		10.8		4		88				<0.2		1.0	
					Bottom	6.3	0.3	29	24.0	24.0	8.3	8.3	30.6	30.6	99.7	99.7	7.0	7.0	11.7		4		89				<0.2		0.9	
						6.3	0.4	30	24.0		8.3		30.6		99.7		7.0		10.7		3		89				<0.2		0.8	
IM6	Cloudy	Rough	10:05	7.4	Surface	1.0	0.1	332	24.2	24.2	8.3	8.3	30.4	30.4	99.2	99.2	7.0	7.0	5.2	5.9	3	4	85	88	821072	805840	<0.2	<0.2	0.7	0.8
						1.0	0.1	336	24.2		8.3		30.4		99.2		7.0		5.4		4		86				<0.2		0.8	
					Middle	3.7	0.2	45	24.1	24.1	8.3	8.3	30.6	30.6	99.2	99.3	7.0		6.1		4		87				<0.2		0.7	
						3.7	0.2	46	24.1		8.3		30.6		99.3		7.0		6.1		3		88				<0.2		0.9	
					Bottom	6.4	0.2	61	24.1	24.1	8.3	8.3	30.7	30.7	99.9	99.9	7.1	7.1	6.4		4		90				<0.2		0.8	
						6.4	0.2	62	24.1		8.3		30.7		99.9		7.1		6.4		3		90				<0.2		0.8	
IM7	Cloudy	Rough	10:14	8.6	Surface	1.0	0.1	263	24.3	24.3	8.3	8.3	30.0	30.0	98.6	98.6	7.0	7.0	4.9	5.4	3	3	86	87	821352	806851	<0.2	<0.2	0.9	0.8
						1.0	0.1	282	24.3		8.3		30.1		98.6		7.0		4.9		3		85				<0.2		0.8	
					Middle	4.3	0.1	141	24.2	24.2	8.3	8.3	30.2	30.2	98.9	98.9	7.0		5.1		3		87				<0.2		0.8	
						4.3	0.1	150	24.2		8.3		30.2		98.9		7.0		5.2		3		88				<0.2		0.8	
					Bottom	7.6	0.2	160	24.1	24.1	8.3	8.3	30.8	30.8	99.8	99.9	7.0	7.0	6.2		3		89				<0.2		0.8	
						7.6	0.2	161	24.1		8.3		30.8		99.9		7.0		6.1		3		89				<0.2		0.9	
IM8	Cloudy	Moderate	09:00	7.6	Surface	1.0	0.1	240	24.7	24.7	8.2	8.2	32.0	32.0	97.8	97.9	6.8	6.8	2.5	3.5	9	7	83	89	821842	808123	<0.2	<0.2	0.8	1.0
						1.0	0.1	242	24.7		8.2		32.0		98.0		6.8		2.6		9		83				<0.2		0.9	
					Middle	3.8	0.0	129	24.7	24.7	8.2	8.2	32.0	32.0	97.9	97.9	6.8		3.0		7		90				<0.2		1.0	
						3.8	0.0	131	24.7		8.2		32.0		97.9		6.8		3.1		6		90				<0.2		0.9	
					Bottom	6.6	0.1	295	24.8	24.8	8.2	8.2	32.1	32.1	97.7	97.7	6.8	6.8	4.8		5		92				<0.2		1.1	
						6.6	0.1	317	24.8		8.2		32.1		97.7		6.8		4.9		6		93				<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 03 November 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	08:55	7.6	Surface	1.0	0.3	230	24.7	24.7	8.2	8.2	32.1	32.1	98.2	98.3	6.8	6.8	5.2	6.0	8	8	83	89	822117	808801	<0.2	<0.2	1.0	1.1
						1.0	0.3	242	24.7		8.2		32.1		98.3		6.8		4.8		7		85				<0.2		1.1	
					Middle	3.8	0.2	252	24.7	24.7	8.2	8.2	32.1	32.1	97.8	97.9	6.8		5.5		9		89				<0.2		1.1	
						3.8	0.2	256	24.7		8.2		32.1		97.9		6.8		5.8		9		90				<0.2		1.1	
					Bottom	6.6	0.2	216	24.7	24.7	8.2	8.2	32.1	32.1	98.4	98.4	6.8	6.8	7.3		9		92				<0.2		1.0	
						6.6	0.2	228	24.7		8.2		32.1		98.4		6.8		7.5		8		93				<0.2		1.1	
IM10	Cloudy	Moderate	08:49	7.0	Surface	1.0	0.5	328	24.8	24.8	8.2	8.2	32.1	32.1	98.3	98.2	6.8	6.8	3.9	4.7	8	7	86	89	822386	809781	<0.2	<0.2	1.1	1.1
						1.0	0.5	357	24.8		8.2		32.1		98.0		6.8		4.1		8		86				<0.2		1.0	
					Middle	3.5	0.5	322	24.8	24.8	8.2	8.2	32.1	32.1	98.0	98.1	6.8		4.5		6		89				<0.2		1.1	
						3.5	0.6	325	24.8		8.2		32.1		98.1		6.8		4.6		7		90				<0.2		1.1	
					Bottom	6.0	0.5	319	24.7	24.7	8.2	8.2	32.1	32.1	98.3	98.3	6.8	6.8	5.5		8		92				<0.2		1.0	
						6.0	0.5	334	24.7		8.2		32.1		98.2		6.8		5.3		7		93				<0.2		1.0	
IM11	Cloudy	Moderate	08:40	8.1	Surface	1.0	0.6	287	24.7	24.7	8.2	8.2	32.2	32.2	98.1	98.0	6.8	6.8	3.6	5.3	5	5	85	89	822065	811461	<0.2	<0.2	0.9	0.9
						1.0	0.6	302	24.7		8.2		32.2		97.9		6.8		3.6		5		86				<0.2		1.0	
					Middle	4.1	0.6	291	24.7	24.7	8.2	8.2	32.4	32.4	97.4	97.5	6.7		5.5		5		89				<0.2		0.9	
						4.1	0.6	301	24.7		8.2		32.4		97.6		6.7		5.6		5		89				<0.2		0.9	
					Bottom	7.1	0.5	296	24.8	24.8	8.2	8.2	32.6	32.6	97.1	97.2	6.7	6.7	6.6		5		93				<0.2		0.9	
						7.1	0.5	320	24.8		8.2		32.6		97.3		6.7		6.7		4		92				<0.2		0.8	
IM12	Cloudy	Moderate	08:33	8.8	Surface	1.0	0.6	276	24.8	24.8	8.2	8.2	32.7	32.7	96.7	96.7	6.7	6.7	5.4	7.1	7	8	85	89	821465	812027	<0.2	<0.2	0.7	0.9
						1.0	0.6	285	24.8		8.2		32.7		96.7		6.7		5.5		7		86				<0.2		0.9	
					Middle	4.4	0.6	280	24.8	24.8	8.2	8.2	32.7	32.7	97.2	97.2	6.7		7.4		7		89				<0.2		0.8	
						4.4	0.6	288	24.8		8.2		32.7		97.1		6.7		7.6		8		89				<0.2		1.0	
					Bottom	7.8	0.6	273	24.8	24.8	8.2	8.2	32.6	32.6	96.6	96.8	6.7	6.7	8.4		9		92				<0.2		0.9	
						7.8	0.6	293	24.8		8.2		32.6		97.0		6.7		8.5		8		93				<0.2		1.0	
SR1A	Cloudy	Calm	08:14	4.8	Surface	1.0	-	-	24.8	24.8	8.2	8.2	32.5	32.5	96.9	96.8	6.7	6.7	0.9	0.9	5	5	-	-	819973	812662	-	-	-	-
						1.0	-	-	24.8		8.2		32.5		96.7		6.7		0.9		4		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	24.8	24.8	8.2	8.2	32.6	32.6	96.7	96.8	6.7	6.7	0.9		4		-				-		-	
						3.8	-	-	24.8		8.2		32.6		96.8		6.7		1.0		5		-				-		-	
SR2	Cloudy	Calm	08:03	4.4	Surface	1.0	0.2	74	24.7	24.7	8.2	8.2	32.5	32.5	97.3	97.5	6.7	6.7	5.0	4.8	6	6	89	91	821474	814175	<0.2	<0.2	1.2	1.2
						1.0	0.2	78	24.7		8.2		32.5		97.6		6.7		5.2		6		90				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	75	24.7	24.7	8.2	8.2	32.5	32.5	97.4	97.4	6.7	6.7	4.5		7		92				<0.2		1.2	
						3.4	0.2	76	24.7		8.2		32.5		97.3		6.7		4.5		6		92				<0.2		1.1	
SR3	Cloudy	Moderate	09:06	9.0	Surface	1.0	0.1	284	24.9	24.9	8.1	8.1	31.3	31.3	97.0	97.0	6.7	6.7	2.3	3.3	5	5	-	-	822128	807553	-	-	-	-
						1.0	0.1	287	24.9		8.1		31.4		97.0		6.7		2.4		6		-				-		-	
					Middle	4.5	0.0	295	25.0	25.0	8.1	8.1	31.5	31.5	96.9	96.8	6.7		3.4		6		-				-		-	
						4.5	0.0	298	25.0		8.1		31.5		96.6		6.7		3.5		5		-				-		-	
					Bottom	8.0	0.1	351	24.9	24.9	8.1	8.1	31.7	31.7	96.4	96.4	6.7	6.7	4.0		5		-				-		-	
						8.0	0.1	356	24.9		8.1		31.7		96.4		6.7		4.2		5		-				-		-	
SR4A	Cloudy	Moderate	08:44	8.3	Surface	1.0	0.1	83	24.2	24.2	8.3	8.3	31.0	31.0	98.5	98.5	6.9	6.9	5.6	5.6	3	5	-	-	817206	807822	-	-	-	-
						1.0	0.1	83	24.2		8.3		31.0		98.5		6.9		5.6		4		-				-		-	
					Middle	4.2	0.1	139	24.2	24.2	8.3	8.3	31.1	31.1	98.7	98.7	6.9		5.5		6		-				-		-	
						4.2	0.1	142	24.2		8.3		31.1		98.7		6.9		5.5		6		-				-		-	
					Bottom	7.3	0.1	136	24.2	24.2	8.3	8.3	31.1	31.1	99.8	99.9	7.0	7.0	5.6		6		-				-		-	
						7.3	0.1	148	24.2		8.3		31.1		100.0		7.0		5.7		7		-				-		-	
SR5A	Cloudy	Moderate	08:26	3.2	Surface	1.0	0.1	277	24.2	24.2	8.3	8.3	31.1	31.1	100.8	100.8	7.1	7.1	10.5	9.5	5	4	-	-	816596	810709	-	-	-	-
						1.0	0.1	283	24.2		8.3		31.1		100.8		7.1		10.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.1	278	24.2	24.2	8.3	8.3	31.1	31.1	101.6	101.6	7.1	7.1	8.1		3		-				-		-	
						2.2	0.1	289	24.2		8.3		31.1		101.6		7.1		8.8		2		-				-		-	
SR6A	Cloudy	Moderate	07:59	4.6	Surface	1.0	0.1	229	24.3	24.3	8.3	8.3	30.7	30.7	96.4	96.4	6.8	6.8	6.8	6.7	3	4	-	-	817951	814747	-	-	-	-
						1.0	0.1	239	24.3		8.3		30.7		96.4		6.8		6.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	226	24.3	24.3	8.2	8.2	30.8	30.7	97.5	97.6	6.9	6.9	6.5		3		-				-		-	
						3.6	0.1	243	24.3		8.2		30.7		97.6		6.9		6.4		4		-				-		-	
SR7	Cloudy	Calm	07:15	20.1	Surface	1.0	0.3	13	24.9	24.9	8.1	8.1	33.0	33.0	92.7	92.7	6.4	6.3	1.3	2.8	2	3	-	-	823625	823734	-	-	-	-
						1.0	0.3	13	24.9		8.1		33.0		92.6		6.4		1.4		3		-				-		-	
					Middle	10.1	0.3	20	24.9	24.9	8.1	8.1	33.4	33.4	89.9	89.9	6.2		2.6		2		-				-		-	
						10.1	0.4	21	24.9		8.1		33.4		89.8		6.1		2.7		3		-				-		-	
					Bottom	19.1	0.3	37	25.0	25.0	8.1	8.1	33.7	33.7	87.7	87.8	6.0	6.0	4.2		3		-				-		-	
						19.1	0.3	39	25.0		8.1		33.7		87.9		6.0		4.4		3		-				-		-	
SR8	Cloudy	Calm	08:24	5.1	Surface	1.0	-	-	25.0	25.0	8.1	8.1	32.0	32.0	98.6	98.6	6.8	6.8	3.5	4.5	5	5	-	-	820385	811605	-	-	-	-
						1.0	-	-	25.0		8.1		32.0		98.6		6.8		3.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	24.7	24.7	8.2	8.2	32.1	32.1	97.6	97.7	6.8	6.8	5.5		6		-				-		-	
						4.1	-	-	24.7		8.2		32.1		97.8		6.8		5.4		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 November 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	15:00	9.1	Surface	1.0	0.0	247	24.9	24.9	8.2	8.2	32.8	32.8	107.6	107.6	7.4	7.1	1.0	4.5	3	3	87	90	815634	804251	<0.2	<0.2	0.9	0.9
						1.0	0.0	249	24.9		8.2		32.8		107.5		7.4		1.1		3		87				<0.2		0.7	
					Middle	4.6	0.1	180	24.3	24.3	8.1	8.1	34.2	34.2	99.1	99.1	6.8		4.4		3		89				<0.2		1.0	
						4.6	0.1	188	24.3		8.1		34.2		99.0		6.8		4.5		4		89				<0.2		0.9	
					Bottom	8.1	0.1	181	24.3	24.3	8.1	8.1	34.4	34.4	98.2	98.3	6.8	6.8	8.0		3		92				<0.2		0.9	
						8.1	0.1	182	24.3		8.1		34.4		98.3		6.8		8.0		4		93				<0.2		0.7	
C2	Cloudy	Moderate	13:50	12.5	Surface	1.0	0.1	315	24.8	24.8	8.0	8.0	31.4	31.4	105.8	105.9	7.3	7.3	2.3	3.7	2	3	88	91	825689	806935	<0.2	<0.2	0.8	0.8
						1.0	0.1	345	24.8		8.0		31.4		105.9		7.3		2.3		3		88				<0.2		0.9	
					Middle	6.3	0.2	50	24.7	24.7	8.0	8.0	31.7	31.7	105.1	105.1	7.3		4.0		2		91				<0.2		1.0	
						6.3	0.2	54	24.7		8.0		31.7		105.1		7.3		4.2		3		92				<0.2		0.8	
					Bottom	11.5	0.4	74	24.5	24.5	8.0	8.0	32.5	32.5	104.3	104.3	7.2	7.2	4.7		5		94				<0.2		0.8	
						11.5	0.4	78	24.5		8.0		32.5		104.3		7.2		4.8		4		94				<0.2		0.7	
C3	Cloudy	Moderate	15:47	12.5	Surface	1.0	0.4	84	24.9	24.9	8.0	8.0	32.6	32.6	99.1	99.1	6.8	6.6	1.6	4.4	4	4	88	91	822128	817801	<0.2	<0.2	0.7	0.9
						1.0	0.4	91	24.9		8.0		32.6		99.0		6.8		1.6		5		88				<0.2		0.6	
					Middle	6.3	0.4	105	24.7	24.7	8.0	8.0	32.9	32.9	92.5	92.5	6.4		3.6		4		91				<0.2		1.2	
						6.3	0.4	111	24.7		8.0		32.9		92.5		6.4		3.7		3		92				<0.2		1.0	
					Bottom	11.5	0.2	98	24.7	24.7	8.0	8.0	33.1	33.1	91.0	91.0	6.3	6.3	7.9		3		93				<0.2		0.7	
						11.5	0.2	105	24.7		8.0		33.1		90.9		6.3		7.8		3		94				<0.2		0.9	
IM1	Fine	Moderate	14:39	5.3	Surface	1.0	0.1	184	24.8	24.8	8.2	8.2	33.8	33.8	109.0	109.0	7.5	7.5	1.9	2.3	4	4	87	89	817934	807115	<0.2	<0.2	1.1	1.1
						1.0	0.1	188	24.8		8.2		33.8		108.9		7.4		1.9		4		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	162	24.4	24.4	8.2	8.2	33.9	33.9	105.4	105.5	7.3	7.3	2.6		4		90				<0.2		1.0	
						4.3	0.1	168	24.4		8.2		33.9		105.5		7.3		2.6		4		90				<0.2		1.1	
IM2	Fine	Moderate	14:30	7.3	Surface	1.0	0.1	136	24.6	24.6	8.2	8.2	33.6	33.6	102.0	102.0	7.0	7.0	3.4	4.6	4	4	85	89	818183	806184	<0.2	<0.2	0.4	0.6
						1.0	0.1	140	24.6		8.2		33.6		102.0		7.0		3.4		4		86				<0.2		0.4	
					Middle	3.7	0.1	123	24.3	24.3	8.2	8.2	33.8	33.8	99.5	99.5	6.9		4.4		4		88				<0.2		0.8	
						3.7	0.1	134	24.3		8.2		33.8		99.5		6.9		4.4		3		88				<0.2		0.8	
					Bottom	6.3	0.0	195	24.3	24.3	8.1	8.1	33.9	33.9	99.4	99.4	6.9	6.9	5.8		4		92				<0.2		0.6	
						6.3	0.0	209	24.3		8.1		33.9		99.4		6.9		5.9		4		92				<0.2		0.6	
IM3	Fine	Moderate	14:23	7.4	Surface	1.0	0.1	25	24.8	24.8	8.2	8.2	33.0	33.0	107.4	107.4	7.4	7.3	1.2	1.7	2	4	86	89	818761	805586	<0.2	<0.2	0.6	0.7
						1.0	0.1	26	24.8		8.2		33.0		107.4		7.4		1.2		3		87				<0.2		0.7	
					Middle	3.7	0.1	30	24.5	24.5	8.2	8.2	33.5	33.5	104.0	104.0	7.2		1.4		4		88				<0.2		0.6	
						3.7	0.1	32	24.5		8.2		33.5		103.9		7.2		1.5		4		88				<0.2		0.7	
					Bottom	6.4	0.1	352	24.5	24.5	8.2	8.2	33.8	33.8	102.5	102.6	7.1	7.1	2.5		4		92				<0.2		0.6	
						6.4	0.1	353	24.5		8.2		33.9		102.6		7.1		2.5		5		93				<0.2		0.7	
IM4	Fine	Moderate	14:12	8.8	Surface	1.0	0.1	16	24.8	24.8	8.2	8.2	32.7	32.7	108.1	108.1	7.5	7.3	1.2	1.6	4	4	86	89	819747	804613	<0.2	<0.2	0.8	0.8
						1.0	0.1	17	24.8		8.2		32.7		108.0		7.4		1.2		5		86				<0.2		1.0	
					Middle	4.4	0.1	10	24.4	24.4	8.2	8.2	33.6	33.6	102.3	102.3	7.1		1.8		4		88				<0.2		1.0	
						4.4	0.1	10	24.4		8.2		33.6		102.3		7.1		1.8		4		88				<0.2		1.0	
					Bottom	7.8	0.1	357	24.4	24.4	8.2	8.2	33.8	33.8	102.0	102.0	7.0	7.0	1.7		5		92				<0.2		0.5	
						7.8	0.1	328	24.4		8.2		33.8		102.0		7.0		1.7		4		93				<0.2		0.6	
IM5	Fine	Moderate	14:01	8.0	Surface	1.0	0.2	5	24.4	24.4	8.2	8.2	33.4	33.4	100.5	100.6	6.9	6.9	2.8	2.9	3	5	85	88	820755	804871	<0.2	<0.2	0.8	0.6
						1.0	0.2	5	24.4		8.2		33.4		100.6		7.0		2.8		4		86				<0.2		0.9	
					Middle	4.0	0.2	1	24.3	24.3	8.2	8.2	33.4	33.4	100.1	100.1	6.9		3.1		6		88				<0.2		0.6	
						4.0	0.2	1	24.3		8.2		33.4		100.0		6.9		2.9		6		88				<0.2		0.5	
					Bottom	7.0	0.2	340	24.3	24.3	8.1	8.1	33.4	33.4	99.6	99.7	6.9	6.9	3.0		5		91				<0.2		0.5	
						7.0	0.2	342	24.3		8.1		33.4		99.7		6.9		3.0		6		92				<0.2		0.4	
IM6	Fine	Moderate	13:53	7.8	Surface	1.0	0.1	250	24.8	24.8	8.2	8.2	32.8	32.8	107.8	107.8	7.4	7.4	1.1	1.5	5	5	86	89	821041	805813	<0.2	<0.2	0.6	0.7
						1.0	0.1	256	24.9		8.2		32.7		107.8		7.4		1.1		4		87				<0.2		0.7	
					Middle	3.9	0.0	304	24.6	24.6	8.2	8.2	33.2	33.2	105.3	105.3	7.3		1.4		4		87				<0.2		0.6	
						3.9	0.0	324	24.6		8.2		33.2		105.3		7.3		1.4		5		88				<0.2		0.8	
					Bottom	6.8	0.1	31	24.5	24.5	8.2	8.2	33.5	33.5	103.0	103.0	7.1	7.1	2.1		4		92				<0.2		0.6	
						6.8	0.1	31	24.5		8.2		33.5		103.0		7.1		2.1		5		92				<0.2		0.8	
IM7	Fine	Moderate	13:47	8.5	Surface	1.0	0.2	211	24.9	24.9	8.2	8.2	32.4	32.4	107.1	107.1	7.4	7.3	1.7	2.3	3	4	85	89	821338	806815	<0.2	<0.2	0.7	0.8
						1.0	0.2	226	24.9		8.2		32.4		107.1		7.4		1.6		4		86				<0.2		0.7	
					Middle	4.3	0.1	139	24.7	24.7	8.2	8.2	32.9	32.9	105.0	104.9	7.2		3.1		3		88				<0.2		0.8	
						4.3	0.1	148	24.7		8.2		32.9		104.7		7.2		3.2		4		88				<0.2		0.9	
					Bottom	7.5	0.1	265	24.5	24.5	8.1	8.1	33.4	33.4	104.2	104.1	7.2	7.2	2.0		4		92				<0.2		0.8	
						7.5	0.1	273	24.5		8.1		33.4		104.0		7.2		2.1		3		92				<0.2		0.8	
IM8	Cloudy	Moderate	14:19	7.9	Surface	1.0	0.2	98	24.9	24.9	8.0	8.0	31.5	31.5	105.9	105.9	7.3	7.3	2.2	3.1	4	3	85	91	821837	808129	<0.2	<0.2	0.9	0.7
						1.0	0.2	104	24.9		8.0		31.5		105.8		7.3		2.2		4		87				<0.2		0.7	
					Middle	4.0	0.3	101	24.6	24.6	8.0	8.0	32.0	32.0	104.0	104.0	7.2		3.2		4		91				<0.2		0.5	
						4.0	0.3	103	24.6		8.0		32.0		103.9		7.2		3.2		3		92				<0.2		0.6	
					Bottom	6.9	0.2	79	24.4	24.4	8.0	8.0	32.5	32.5	102.5	102.5	7.1	7.1	3.8		2		94				<0.2		0.7	
						6.9	0.2	86	24.4		8.0		32.5		102.5		7.1		3.8		3		94				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 November 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	14:25	7.3	Surface	1.0	0.3	74	24.8	24.8	8.0	8.0	31.6	31.6	101.8	101.8	7.1	7.1	1.9	2.2	4	3	87	91	822081	808797	<0.2	<0.2	0.8	0.8
						1.0	0.4	74	24.8		8.0		31.6		101.7		7.1		1.9		3		88				<0.2		0.8	
					Middle	3.7	0.3	84	24.6	24.5	8.0	8.0	31.9	31.9	100.4	100.5	7.0		2.2		4		91				<0.2		0.6	
						3.7	0.3	87	24.5		8.0		32.0		100.6		7.0		2.2		3		91				<0.2		0.8	
					Bottom	6.3	0.2	73	24.5	24.5	8.0	8.0	32.2	32.1	101.1	101.1	7.0	7.0	2.4		3		93				<0.2		0.8	
						6.3	0.3	77	24.5		8.0		32.1		101.1		7.0		2.4		3		94				<0.2		0.7	
IM10	Cloudy	Moderate	14:32	8.2	Surface	1.0	0.4	94	24.9	24.9	8.0	8.0	31.5	31.5	104.5	104.5	7.2	7.2	1.6	1.8	4	3	87	91	822392	809812	<0.2	<0.2	0.8	0.7
						1.0	0.5	98	24.9		8.0		31.5		104.5		7.2		1.6		3		88				<0.2		0.7	
					Middle	4.1	0.3	96	24.7	24.7	8.0	8.0	32.0	32.0	103.0	103.0	7.1		1.9		3		91				<0.2		0.7	
						4.1	0.3	101	24.7		8.0		32.0		103.0		7.1		1.9		4		91				<0.2		0.8	
					Bottom	7.2	0.1	97	24.7	24.7	8.0	8.0	32.1	32.1	103.0	103.0	7.1	7.1	1.9		3		97				<0.2		0.7	
						7.2	0.1	100	24.7		8.0		32.1		103.0		7.1		1.9		3		93				<0.2		0.6	
IM11	Cloudy	Moderate	14:43	8.0	Surface	1.0	0.3	94	24.8	24.7	8.0	8.0	32.3	32.3	102.9	102.9	7.1	7.1	1.8	1.8	3	3	85	91	822052	811446	<0.2	<0.2	0.7	0.8
						1.0	0.3	97	24.7		8.0		32.3		102.8		7.1		1.6		2		86				<0.2		0.8	
					Middle	4.0	0.2	103	24.7	24.7	8.0	8.0	32.4	32.4	102.3	102.3	7.1		1.8		3		93				<0.2		0.8	
						4.0	0.2	110	24.7		8.0		32.4		102.2		7.1		1.8		4		93				<0.2		0.7	
					Bottom	7.0	0.2	106	24.6	24.6	8.0	8.0	32.4	32.4	102.0	102.0	7.1	7.1	1.9		3		93				<0.2		0.7	
						7.0	0.2	108	24.6		8.0		32.4		101.9		7.1		2.0		3		93				<0.2		0.8	
IM12	Cloudy	Moderate	14:50	9.6	Surface	1.0	0.2	128	24.7	24.7	8.0	8.0	32.4	32.4	101.7	101.7	7.0	7.0	1.4	1.5	4	3	87	90	821444	812058	<0.2	<0.2	0.7	0.7
						1.0	0.2	137	24.7		8.0		32.4		101.7		7.0		1.4		3		87				<0.2		0.7	
					Middle	4.8	0.2	123	24.7	24.7	8.0	8.0	32.4	32.4	100.8	100.9	7.0		1.6		3		88				<0.2		0.7	
						4.8	0.2	127	24.7		8.0		32.4		100.9		7.0		1.7		3		91				<0.2		0.7	
					Bottom	8.6	0.2	110	24.7	24.7	8.0	8.0	32.4	32.4	100.7	100.8	7.0	7.0	1.4		2		94				<0.2		0.7	
						8.6	0.2	115	24.7		8.0		32.4		100.8		7.0		1.4		3		94				<0.2		0.7	
SR1A	Cloudy	Moderate	15:11	5.1	Surface	1.0	-	-	24.8	24.8	8.0	8.0	32.3	32.3	101.9	101.9	7.0	7.0	2.1	2.3	4	3	-	-	819973	812658	-	-	-	-
						1.0	-	-	24.8		8.0		32.3		101.8		7.0		2.1		3		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	24.6	24.6	8.0	8.0	32.3	32.3	101.1	101.1	7.0	7.0	2.5		3		-				-		-	
						4.1	-	-	24.6		8.0		32.3		101.1		7.0		2.6		3		-				-		-	
SR2	Cloudy	Moderate	15:24	4.8	Surface	1.0	0.2	119	24.8	24.8	8.0	8.0	32.4	32.4	103.2	103.2	7.1	7.1	2.0	1.9	3	3	91	93	821469	814166	<0.2	<0.2	0.5	0.5
						1.0	0.2	120	24.8		8.0		32.4		103.2		7.1		2.1		4		91				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	114	24.8	24.8	8.0	8.0	32.4	32.4	103.0	103.0	7.1	7.1	1.8		3		94				<0.2		0.4	
						3.8	0.2	114	24.8		8.0		32.4		102.9		7.1		1.6		3		95				<0.2		0.6	
SR3	Cloudy	Moderate	14:13	9.2	Surface	1.0	0.2	98	24.8	24.8	8.0	8.0	31.7	31.7	106.8	106.8	7.4	7.3	3.2	5.3	3	4	-	-	822144	807574	-	-	-	-
						1.0	0.2	101	24.8		8.0		31.7		106.7		7.4		3.1		3		-				-		-	
					Middle	4.6	0.2	103	24.5	24.5	8.0	8.0	32.3	32.3	102.9	102.9	7.1		5.6		3		-				-		-	
						4.6	0.2	113	24.5		8.0		32.3		102.9		7.1		5.8		3		-				-		-	
					Bottom	8.2	0.3	84	24.4	24.4	8.0	8.0	32.5	32.5	102.8	102.8	7.1	7.1	7.1		6		-				-		-	
						8.2	0.3	84	24.4		8.0		32.5		102.8		7.1		7.0		5		-				-		-	
SR4A	Fine	Calm	15:21	9.4	Surface	1.0	0.3	78	24.7	24.7	8.2	8.2	33.7	33.7	107.7	107.7	7.4	7.3	1.0	1.9	5	5	-	-	817177	807823	-	-	-	-
						1.0	0.3	78	24.7		8.2		33.7		107.6		7.4		1.0		4		-				-		-	
					Middle	4.7	0.3	69	24.5	24.5	8.2	8.2	33.8	33.8	105.3	105.3	7.3		1.3		4		-				-		-	
						4.7	0.3	73	24.5		8.2		33.8		105.3		7.2		1.3		5		-				-		-	
					Bottom	8.4	0.3	64	24.4	24.4	8.2	8.2	33.8	33.8	102.8	102.9	7.1	7.1	3.3		5		-				-		-	
						8.4	0.3	68	24.4		8.2		33.8		103.0		7.1		3.3		4		-				-		-	
SR5A	Fine	Calm	15:37	3.6	Surface	1.0	0.0	47	24.9	24.9	8.2	8.2	33.2	33.2	107.3	107.2	7.4	7.4	2.3	3.0	4	4	-	-	816615	810678	-	-	-	-
						1.0	0.0	49	24.9		8.2		33.2		107.1		7.3		2.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.0	173	24.6	24.6	8.1	8.1	33.3	33.3	103.7	103.7	7.1	7.1	3.5		4		-				-		-	
						2.6	0.0	174	24.6		8.1		33.3		103.7		7.1		3.7		3		-				-		-	
SR6A	Fine	Calm	16:18	4.5	Surface	1.0	0.0	306	25.0	25.0	8.1	8.1	32.9	32.9	102.8	102.8	7.0	7.1	5.0	4.9	5	4	-	-	817959	814751	-	-	-	-
						1.0	0.0	331	25.0		8.1		32.9		102.8		7.1		5.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	284	24.9	24.9	8.1	8.1	33.1	33.1	102.8	102.9	7.1	7.1	4.8		4		-				-		-	
						3.5	0.0	302	24.9		8.1		33.1		102.9		7.1		4.8		3		-				-		-	
SR7	Cloudy	Moderate	16:21	15.7	Surface	1.0	0.2	65	24.8	24.8	8.0	8.0	33.0	33.0	93.7	93.7	6.5	6.4	0.8	1.1	3	3	-	-	823652	823723	-	-	-	-
						1.0	0.2	65	24.8		8.0		33.0		93.7		6.4		0.8		3		-				-		-	
					Middle	7.9	0.1	36	24.7	24.7	8.0	8.0	33.0	33.0	93.4	93.5	6.4		1.5		3		-				-		-	
						7.9	0.2	39	24.7		8.0		33.0		93.5		6.4		1.5		2		-				-		-	
					Bottom	14.7	0.2	347	24.7	24.7	8.1	8.1	33.0	33.0	94.4	94.5	6.5	6.5	0.9		3		-				-		-	
						14.7	0.2	319	24.7		8.1		33.0		94.6		6.5		0.9		2		-				-		-	
SR8	Cloudy	Moderate	15:01	5.3	Surface	1.0	-	-	25.4	25.4	8.0	8.0	32.2	32.2	104.4	104.4	7.1	7.1	5.2	4.2	3	3	-	-	820383	811641	-	-	-	-
						1.0	-	-	25.4		8.0		32.2		104.3		7.1		5.3		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	24.7	24.7	8.0	8.0	32.4	32.4	102.0	102.1	7.1	7.1	3.0		3		-				-		-	
						4.3	-	-	24.7		8.0		32.4		102.1		7.1		3.2		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 05 November 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	10:59	8.6	Surface	1.0	0.4	50	24.3	24.3	8.1	8.1	33.9	33.9	99.0	99.0	6.8	6.8	5.8	8.3	4	6	86	89	815642	804248	<0.2	<0.2	0.6	0.6
						1.0	0.4	52	24.3		8.1		33.9		98.9		6.8		5.9		5		86				<0.2		0.7	
					Middle	4.3	0.3	55	24.3	24.3	8.1	8.1	33.9	33.9	98.1	98.1	6.8		8.6		6		88				<0.2		0.7	
						4.3	0.3	55	24.3		8.1		33.9		98.1		6.8		8.8		5		88				<0.2		0.6	
					Bottom	7.6	0.3	36	24.2	24.2	8.1	8.1	34.0	34.0	98.7	98.7	6.8	6.8	10.3		6		93				<0.2		0.5	
						7.6	0.4	36	24.2		8.1		34.0		98.7		6.8		10.4		7		93				<0.2		0.5	
C2	Cloudy	Moderate	11:54	12.2	Surface	1.0	0.3	354	25.1	25.1	7.9	7.9	31.2	31.2	103.1	103.1	7.1	7.0	1.8	3.4	3	3	87	91	825688	806946	<0.2	<0.2	0.6	0.8
						1.0	0.3	326	25.1		7.9		31.2		103.0		7.1		1.8		4		88				<0.2		0.8	
					Middle	6.1	0.3	340	24.9	24.9	8.0	8.0	31.4	31.4	99.6	99.6	6.9		3.7		4		91				<0.2		0.7	
						6.1	0.3	356	24.9		8.0		31.4		99.5		6.9		3.8		3		91				<0.2		0.7	
					Bottom	11.2	0.3	329	24.7	24.7	8.0	8.0	31.5	31.5	99.2	99.2	6.9	6.9	4.5		3		94				<0.2		1.1	
						11.2	0.3	342	24.7		8.0		31.5		99.2		6.9		4.5		3		94				<0.2		1.1	
C3	Cloudy	Moderate	09:58	11.3	Surface	1.0	0.3	254	24.6	24.6	8.0	8.0	32.5	32.5	95.8	95.9	6.6	6.6	2.8	3.6	4	5	87	91	822122	817804	<0.2	<0.2	1.2	1.1
						1.0	0.4	264	24.6		8.0		32.5		95.9		6.6		2.9		5		88				<0.2		1.2	
					Middle	5.7	0.3	253	24.6	24.6	8.0	8.0	32.5	32.5	95.5	95.5	6.6		4.0		4		92				<0.2		1.1	
						5.7	0.3	258	24.6		8.0		32.5		95.5		6.6		4.0		5		92				<0.2		0.9	
					Bottom	10.3	0.3	250	24.6	24.6	8.0	8.0	32.5	32.5	97.2	97.3	6.7	6.7	4.0		5		94				<0.2		1.0	
						10.3	0.3	272	24.6		8.0		32.5		97.3		6.7		4.0		4		94				<0.2		1.0	
IM1	Fine	Moderate	11:19	5.1	Surface	1.0	0.1	348	24.4	24.4	8.1	8.1	33.8	33.8	101.4	101.4	7.0	7.0	2.1	3.7	8	6	88	90	817961	807142	<0.2	<0.2	0.6	0.6
						1.0	0.1	355	24.4		8.1		33.8		101.3		7.0		2.1		6		88				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	12	24.2	24.2	8.1	8.1	33.9	33.9	100.4	100.4	6.9	6.9	5.2		5		91				<0.2		0.6	
						4.1	0.1	12	24.2		8.1		33.9		100.4		6.9		5.2		5		92				<0.2		0.5	
IM2	Fine	Moderate	11:27	7.2	Surface	1.0	0.2	5	24.4	24.4	8.1	8.1	33.5	33.5	102.0	102.1	7.0	7.0	2.3	3.5	5	5	85	89	818174	806154	<0.2	<0.2	0.6	0.6
						1.0	0.2	5	24.4		8.1		33.5		102.1		7.0		2.3		6		86				<0.2		0.5	
					Middle	3.6	0.2	358	24.3	24.3	8.1	8.1	33.6	33.6	99.9	100.0	6.9		3.7		6		88				<0.2		0.6	
						3.6	0.3	329	24.3		8.1		33.6		100.0		6.9		3.7		5		88				<0.2		0.6	
					Bottom	6.2	0.2	349	24.3	24.3	8.1	8.1	33.6	33.6	100.2	100.3	6.9	6.9	4.6		5		92				<0.2		0.6	
						6.2	0.2	321	24.3		8.1		33.6		100.4		6.9		4.6		4		92				<0.2		0.6	
IM3	Fine	Moderate	11:34	7.4	Surface	1.0	0.3	353	24.5	24.5	8.2	8.2	33.4	33.4	101.4	101.4	7.0	7.0	2.4	4.9	5	5	85	89	818764	805613	<0.2	<0.2	0.6	0.6
						1.0	0.3	354	24.5		8.2		33.4		101.4		7.0		2.5		6		85				<0.2		0.6	
					Middle	3.7	0.3	336	24.3	24.3	8.1	8.1	33.4	33.4	99.7	99.8	6.9		4.5		6		88				<0.2		0.6	
						3.7	0.3	348	24.3		8.1		33.4		99.8		6.9		4.5		5		88				<0.2		0.6	
					Bottom	6.4	0.3	330	24.3	24.3	8.1	8.1	33.5	33.5	99.9	99.9	6.9	6.9	7.7		4		92				<0.2		0.7	
						6.4	0.3	344	24.3		8.1		33.5		99.9		6.9		7.7		5		93				<0.2		0.7	
IM4	Fine	Moderate	11:44	8.3	Surface	1.0	0.5	358	24.4	24.4	8.2	8.2	33.3	33.3	101.9	101.9	7.0	7.0	2.1	2.6	5	6	85	88	819709	804618	<0.2	<0.2	0.6	0.6
						1.0	0.5	329	24.4		8.2		33.3		101.9		7.0		2.1		6		85				<0.2		0.6	
					Middle	4.2	0.5	356	24.3	24.3	8.1	8.1	33.3	33.3	100.7	100.7	7.0		3.0		6		88				<0.2		0.6	
						4.2	0.5	328	24.3		8.1		33.3		100.7		7.0		3.0		5		88				<0.2		0.7	
					Bottom	7.3	0.4	358	24.3	24.3	8.1	8.1	33.3	33.3	100.7	100.8	7.0	7.0	2.8		5		92				<0.2		0.6	
						7.3	0.4	329	24.3		8.1		33.3		100.8		7.0		2.8		6		92				<0.2		0.6	
IM5	Fine	Moderate	11:51	7.8	Surface	1.0	0.6	15	24.4	24.4	8.1	8.1	33.3	33.3	101.6	101.5	7.0	7.0	2.6	3.1	6	7	84	88	820746	804870	<0.2	<0.2	0.6	0.6
						1.0	0.7	15	24.4		8.1		33.3		101.4		7.0		2.3		5		85				<0.2		0.6	
					Middle	3.9	0.6	10	24.4	24.4	8.1	8.1	33.3	33.3	101.2	101.2	7.0		2.6		6		87				<0.2		0.5	
						3.9	0.6	10	24.4		8.1		33.3		101.2		7.0		2.7		7		88				<0.2		0.6	
					Bottom	6.8	0.5	17	24.4	24.4	8.1	8.1	33.3	33.3	101.3	101.3	7.0	7.0	4.1		8		92				<0.2		0.5	
						6.8	0.5	17	24.4		8.1		33.3		101.3		7.0		4.1		7		92				<0.2		0.6	
IM6	Fine	Moderate	11:59	7.4	Surface	1.0	0.1	297	24.8	24.8	8.2	8.2	32.6	32.6	104.5	104.5	7.2	7.2	1.5	2.1	5	4	85	89	821037	805821	<0.2	<0.2	0.8	0.8
						1.0	0.1	323	24.8		8.2		32.6		104.4		7.2		1.5		6		86				<0.2		0.7	
					Middle	3.7	0.1	15	24.6	24.6	8.2	8.2	33.1	33.1	103.7	103.6	7.2		2.0		3		88				<0.2		0.8	
						3.7	0.1	15	24.6		8.2		33.1		103.5		7.1		2.0		3		89				<0.2		0.7	
					Bottom	6.4	0.2	28	24.4	24.4	8.1	8.1	33.5	33.5	101.5	101.6	7.0	7.0	2.6		2		92				<0.2		0.7	
						6.4	0.2	28	24.4		8.1		33.5		101.7		7.0		2.7		3		93				<0.2		0.8	
IM7	Fine	Moderate	12:08	8.8	Surface	1.0	0.1	64	24.8	24.8	8.1	8.1	32.2	32.2	103.5	103.5	7.2	7.1	1.3	2.3	3	3	85	89	821357	806821	<0.2	<0.2	0.7	0.8
						1.0	0.1	68	24.8		8.1		32.2		103.4		7.1		1.3		2		86				<0.2		0.8	
					Middle	4.4	0.2	86	24.6	24.6	8.1	8.1	32.7	32.7	101.4	101.5	7.0		2.5		2		89				<0.2		0.8	
						4.4	0.2	88	24.6		8.1		32.7		101.6		7.0		2.5		3		89				<0.2		0.8	
					Bottom	7.8	0.2	91	24.4	24.4	8.1	8.1	33.4	33.4	100.7	100.7	7.0	7.0	3.0		3		92				<0.2		0.8	
						7.8	0.2	92	24.4		8.1		33.4		100.6		7.0		3.0		2		92				<0.2		0.8	
IM8	Cloudy	Moderate	11:28	7.5	Surface	1.0	0.1	64	24.7	24.7	8.0	8.0	31.7	31.7	100.4	100.4	7.0	7.0	2.4	2.9	4	5	88	92	821806	808136	<0.2	<0.2	0.7	0.8
						1.0	0.1	70	24.7		8.0		31.7		100.3		7.0		2.5		5		88				<0.2		0.7	
					Middle	3.8	0.1	87	24.6	24.6	8.0	8.0	31.9	31.9	99.8	99.7	6.9		2.9		5		93				<0.2		0.7	
						3.8	0.1	94	24.6		8.0		31.9		99.6		6.9		3.0		5		92				<0.2		0.8	
					Bottom	6.5	0.1	271	24.5	24.5	8.0	8.0	32.2	32.2	99.8	99.9	6.9	6.9	3.4		5		94				<0.2		0.9	
						6.5	0.1	276	24.5		8.0		32.1		99.9		6.9		3.4		4		94				<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 05 November 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	11:20	7.2	Surface	1.0	0.0	242	24.5	24.5	8.0	8.0	32.3	32.3	99.5	99.5	6.9	6.9	3.0	3.7	5	4	88	91	822090	808795	<0.2	<0.2	0.6	0.7
						1.0	0.0	262	24.5		8.0		32.3		99.4		6.9		3.0		4		88				<0.2		0.7	
					Middle	3.6	0.1	115	24.4	24.4	8.0	8.0	32.3	32.3	99.0	99.1	6.9		3.6		4		91				<0.2		0.7	
						3.6	0.1	121	24.4		8.0		32.3		99.2		6.9		3.5		4		92				<0.2		0.7	
					Bottom	6.2	0.1	82	24.4	24.4	8.0	8.0	32.3	32.3	98.8	98.9	6.9	6.9	4.6		4		94				<0.2		0.9	
						6.2	0.1	82	24.4		8.0		32.3		98.9		6.9		4.7		5		95				<0.2		0.8	
IM10	Cloudy	Moderate	11:11	6.7	Surface	1.0	0.5	295	24.4	24.4	8.0	8.0	32.4	32.4	100.0	100.0	6.9	6.9	3.0	3.2	4	4	88	91	822390	809814	<0.2	<0.2	0.6	0.8
						1.0	0.5	311	24.4		8.0		32.4		100.0		6.9		2.9		5		89				<0.2		0.5	
					Middle	3.4	0.4	296	24.4	24.4	8.0	8.0	32.4	32.4	99.7	99.8	6.9		3.0		4		91				<0.2		0.9	
						3.4	0.4	299	24.4		8.0		32.4		99.8		6.9		3.0		3		91				<0.2		0.8	
					Bottom	5.7	0.3	297	24.4	24.4	8.0	8.0	32.4	32.4	100.1	100.1	7.0	7.0	3.5		4		94				<0.2		1.1	
						5.7	0.4	303	24.4		8.0		32.4		100.1		7.0		3.6		3		94				<0.2		1.1	
IM11	Cloudy	Moderate	11:00	8.5	Surface	1.0	0.5	307	24.5	24.5	8.0	8.0	32.4	32.4	99.1	99.1	6.9	6.9	2.8	2.8	6	5	88	91	822078	811476	<0.2	<0.2	0.8	0.9
						1.0	0.5	311	24.5		8.0		32.4		99.1		6.9		2.8		7		88				<0.2		0.8	
					Middle	4.3	0.4	308	24.5	24.5	8.0	8.0	32.4	32.4	99.3	99.3	6.9		2.8		5		92				<0.2		0.7	
						4.3	0.4	315	24.5		8.0		32.4		99.2		6.9		2.8		4		91				<0.2		0.7	
					Bottom	7.5	0.4	309	24.4	24.4	8.0	8.0	32.4	32.4	99.6	99.6	6.9	6.9	2.7		4		92				<0.2		1.1	
						7.5	0.5	326	24.4		8.0		32.4		99.6		6.9		2.7		4		92				<0.2		1.2	
IM12	Cloudy	Moderate	10:54	7.7	Surface	1.0	0.5	287	24.5	24.5	8.0	8.0	32.4	32.4	98.8	98.8	6.9	6.9	4.1	7.7	4	5	88	91	821480	812067	<0.2	<0.2	0.7	0.9
						1.0	0.5	300	24.5		8.0		32.4		98.8		6.9		4.1		5		88				<0.2		0.6	
					Middle	3.9	0.5	289	24.5	24.5	8.0	8.0	32.4	32.4	98.7	98.7	6.9		5.9		4		91				<0.2		0.8	
						3.9	0.6	296	24.5		8.0		32.4		98.7		6.9		6.0		4		92				<0.2		1.1	
					Bottom	6.7	0.4	284	24.5	24.5	8.0	8.0	32.4	32.4	99.1	99.2	6.9	6.9	13.3		6		94				<0.2		1.1	
						6.7	0.4	308	24.5		8.0		32.4		99.2		6.9		13.0		6		95				<0.2		0.8	
SR1A	Cloudy	Calm	10:33	4.7	Surface	1.0	-	-	24.5	24.5	8.0	8.0	32.3	32.3	96.3	96.3	6.7	6.7	2.5	2.7	5	5	-	-	819971	812656	-	-	-	-
						1.0	-	-	24.5		8.0		32.3		96.2		6.7		2.5		5		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	24.5	24.5	8.0	8.0	32.3	32.3	96.4	96.6	6.7	6.7	2.8		5		-				-		-	
						3.7	-	-	24.5		8.0		32.3		96.8		6.7		2.8		4		-				-		-	
SR2	Cloudy	Moderate	10:20	4.5	Surface	1.0	0.1	63	24.5	24.5	8.0	8.0	32.3	32.3	100.1	100.2	6.9	7.0	3.7	4.2	5	5	90	92	821485	814179	<0.2	<0.2	1.0	1.0
						1.0	0.1	63	24.5		8.0		32.3		100.2		7.0		3.8		4		91				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	55	24.5	24.5	8.0	8.0	32.3	32.3	102.0	102.1	7.1	7.1	4.8		6		92				<0.2		0.9	
						3.5	0.1	55	24.5		8.0		32.4		102.2		7.1		4.6		5		93				<0.2		1.0	
SR3	Cloudy	Moderate	11:35	8.9	Surface	1.0	0.1	25	24.8	24.8	8.0	8.0	31.6	31.6	100.4	100.4	7.0	7.0	2.8	2.8	3	4	-	-	822149	807575	-	-	-	-
						1.0	0.1	27	24.8		8.0		31.6		100.3		7.0		2.8		3		-				-		-	
					Middle	4.5	0.1	27	24.6	24.6	8.0	8.0	31.6	31.6	100.1	100.1	7.0		2.8		3		-				-		-	
						4.5	0.1	28	24.6		8.0		31.6		100.0		7.0		2.8		3		-				-		-	
					Bottom	7.9	0.1	286	24.5	24.5	8.0	8.0	32.1	32.1	100.2	100.2	7.0	7.0	2.7		4		-				-		-	
						7.9	0.1	300	24.5		8.0		32.1		100.2		7.0		2.7		5		-				-		-	
SR4A	Fine	Calm	10:35	9.5	Surface	1.0	0.1	124	24.4	24.4	8.1	8.1	33.3	33.3	100.6	100.6	7.0	6.9	1.8	3.2	6	5	-	-	817210	807821	-	-	-	-
						1.0	0.1	132	24.4		8.1		33.3		100.5		6.9		1.8		5		-				-		-	
					Middle	4.8	0.1	105	24.4	24.4	8.1	8.1	33.3	33.3	99.8	99.8	6.9		5.8		5		-				-		-	
						4.8	0.1	110	24.4		8.1		33.3		99.7		6.9		6.0		4		-				-		-	
					Bottom	8.5	0.1	79	24.2	24.2	8.1	8.1	33.4	33.4	98.3	98.3	6.8	6.8	1.9		4		-				-		-	
						8.5	0.1	84	24.2		8.1		33.4		98.3		6.8		1.8		5		-				-		-	
SR5A	Fine	Calm	10:16	3.6	Surface	1.0	0.1	288	24.5	24.5	8.1	8.1	33.1	33.1	98.7	98.8	6.8	6.8	2.0	2.4	5	5	-	-	816583	810685	-	-	-	-
						1.0	0.1	309	24.5		8.1		33.1		98.9		6.8		2.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	293	24.4	24.4	8.1	8.1	33.2	33.2	99.6	99.6	6.9	6.9	2.7		4		-				-		-	
						2.6	0.1	297	24.4		8.1		33.2		99.6		6.9		2.7		5		-				-		-	
SR6A	Fine	Calm	09:48	4.3	Surface	1.0	0.1	232	24.5	24.5	8.2	8.2	33.0	33.0	95.5	95.6	6.6	6.6	1.9	1.9	5	5	-	-	817961	814749	-	-	-	-
						1.0	0.1	239	24.5		8.2		33.0		95.6		6.6		1.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	228	24.5	24.5	8.2	8.2	33.0	33.0	95.7	95.7	6.6	6.6	1.9		5		-				-		-	
						3.3	0.1	231	24.5		8.2		33.0		95.7		6.6		2.0		4		-				-		-	
SR7	Cloudy	Moderate	09:28	15.9	Surface	1.0	0.2	58	24.7	24.7	7.9	7.9	33.1	33.1	89.9	89.9	6.2	6.2	1.9	2.7	5	5	-	-	823625	823739	-	-	-	-
						1.0	0.2	60	24.7		7.9		33.1		89.8		6.2		2.0		4		-				-		-	
					Middle	8.0	0.2	71	24.6	24.6	7.9	7.9	33.1	33.1	90.0	90.0	6.2		2.4		5		-				-		-	
						8.0	0.2	73	24.6		7.9		33.1		90.0		6.2		2.4		5		-				-		-	
					Bottom	14.9	0.2	74	24.6	24.6	7.8	7.8	33.1	33.1	90.2	90.2	6.2	6.2	3.7		5		-				-		-	
						14.9	0.2	74	24.6		7.8		33.1		90.2		6.2		3.8		4		-				-		-	
SR8	Cloudy	Calm	10:43	5.1	Surface	1.0	-	-	24.7	24.7	8.0	8.0	32.1	32.1	99.4	99.5	6.9	6.9	4.2	4.0	4	4	-	-	820407	811638	-	-	-	-
						1.0	-	-	24.7		8.0		32.1		99.5		6.9		4.4		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	24.4	24.4	8.0	8.0	32.3	32.3	99.2	99.2	6.9	6.9	3.6		5		-				-		-	
						4.1	-	-	24.4		8.0		32.3		99.2		6.9		3.6		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 07 November 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	04:31	8.8	Surface	1.0	0.2	231	24.7	24.7	8.3	8.3	29.8	29.8	113.9	113.7	8.0	7.5	1.7	5.7	4	3	86	87	815642	804234	<0.2	<0.2	1.1	1.0
						1.0	0.2	250	24.6		8.3		29.9		113.5		8.0		1.9		4		85				<0.2		0.8	
					Middle	4.4	0.2	200	24.3	24.3	8.2	8.2	32.2	32.2	100.1	100.1	7.0		7.7		2		87				<0.2		1.0	
						4.4	0.2	208	24.3		8.2		32.2		100.1		7.0		7.7		3		87				<0.2		1.0	
					Bottom	7.8	0.2	186	24.3	24.3	8.3	8.3	32.3	32.3	101.4	101.5	7.1	7.1	8.0		2		89				<0.2		1.0	
						7.8	0.2	196	24.3		8.3		32.3		101.6		7.1		7.3		2		89				<0.2		1.0	
C2	Fine	Moderate	05:40	12.1	Surface	1.0	0.0	284	25.0	25.0	8.1	8.1	29.6	29.6	116.6	116.6	8.1	7.9	3.5	4.7	2	2	84	87	825669	806942	<0.2	<0.2	0.9	1.0
						1.0	0.0	291	25.0		8.1		29.6		116.5		8.1		3.6		2		84				<0.2		1.0	
					Middle	6.1	0.1	42	24.8	24.8	8.1	8.1	30.5	30.5	110.9	110.9	7.7		4.3		2		87				<0.2		1.1	
						6.1	0.1	45	24.8		8.1		30.5		110.9		7.7		4.3		2		87				<0.2		0.9	
					Bottom	11.1	0.3	62	24.8	24.8	8.1	8.1	31.1	31.1	106.0	106.0	7.4	7.4	6.3		2		91				<0.2		1.0	
						11.1	0.3	64	24.8		8.1		31.1		106.0		7.4		6.4		2		90				<0.2		1.0	
C3	Fine	Moderate	03:44	11.3	Surface	1.0	0.2	77	24.8	24.8	8.1	8.1	31.4	31.4	110.8	110.7	7.7	7.3	1.4	2.9	3	2	86	89	822109	817820	<0.2	<0.2	0.8	0.9
						1.0	0.2	79	24.8		8.1		31.4		110.6		7.7		1.4		2		86				<0.2		0.9	
					Middle	5.7	0.2	79	24.7	24.7	8.1	8.1	32.4	32.4	99.5	99.5	6.9		1.3		2		89				<0.2		0.8	
						5.7	0.2	83	24.7		8.1		32.4		99.5		6.9		1.3		3		89				<0.2		0.9	
					Bottom	10.3	0.1	56	24.7	24.7	8.0	8.0	32.7	32.7	97.1	97.2	6.7	6.7	5.8		2		91				<0.2		0.8	
						10.3	0.1	58	24.7		8.0		32.7		97.2		6.7		5.9		2		92				<0.2		0.9	
IM1	Cloudy	Moderate	04:52	5.1	Surface	1.0	0.1	121	25.0	25.0	8.4	8.4	30.3	30.3	125.7	125.7	8.8	8.8	0.3	1.0	2	2	87	88	817969	807140	<0.2	<0.2	1.0	0.9
						1.0	0.1	132	25.0		8.4		30.3		125.6		8.7		0.3		2		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	217	25.0	25.0	8.3	8.3	30.6	30.6	123.8	123.5	8.6	8.6	1.7		2		89				<0.2		0.8	
						4.1	0.1	224	25.0		8.3		30.6		123.1		8.6		1.5		2		89				<0.2		0.9	
IM2	Cloudy	Moderate	04:59	6.8	Surface	1.0	0.1	165	24.7	24.7	8.3	8.3	30.5	30.5	121.8	121.8	8.5	8.5	1.0	3.4	2	2	85	87	818164	806168	<0.2	<0.2	0.9	0.8
						1.0	0.1	173	24.7		8.3		30.6		121.8		8.5		0.9		2		86				<0.2		0.8	
					Middle	3.4	0.2	213	24.6	24.6	8.3	8.3	30.7	30.7	121.4	121.4	8.5		0.9		2		87				<0.2		0.9	
						3.4	0.2	227	24.6		8.3		30.7		121.3		8.5		0.9		2		86				<0.2		0.8	
					Bottom	5.8	0.1	190	24.6	24.6	8.3	8.3	31.0	31.0	119.2	118.8	8.3	8.3	8.2		<2		89				<0.2		0.8	
						5.8	0.1	200	24.6		8.3		30.9		118.3		8.3		8.2		<2		89				<0.2		0.8	
IM3	Cloudy	Moderate	05:07	7.0	Surface	1.0	0.1	156	24.6	24.6	8.3	8.3	30.8	30.8	116.6	116.6	8.1	8.1	1.7	5.3	2	3	85	87	818797	805589	<0.2	<0.2	0.8	0.8
						1.0	0.1	160	24.6		8.3		30.8		116.5		8.1		1.8		2		85				<0.2		0.9	
					Middle	3.5	0.2	143	24.6	24.6	8.3	8.3	31.0	31.1	115.7	115.6	8.1		4.0		4		87				<0.2		0.8	
						3.5	0.2	157	24.6		8.3		31.1		115.5		8.1		4.2		4		87				<0.2		0.8	
					Bottom	6.0	0.1	171	24.7	24.7	8.3	8.3	31.2	31.1	113.0	112.9	7.9	7.9	10.2		4		89				<0.2		0.8	
						6.0	0.1	187	24.7		8.3		31.1		112.8		7.9		10.0		3		89				<0.2		0.7	
IM4	Cloudy	Moderate	05:16	8.1	Surface	1.0	0.3	193	24.7	24.7	8.3	8.3	30.4	30.5	116.4	116.2	8.1	7.9	1.2	1.7	2	3	85	88	819746	804609	<0.2	<0.2	1.0	0.9
						1.0	0.3	206	24.7		8.3		30.5		115.9		8.1		1.3		3		85				<0.2		0.9	
					Middle	4.1	0.1	172	24.5	24.5	8.3	8.3	30.9	30.9	109.8	109.8	7.7		1.8		3		88				<0.2		1.0	
						4.1	0.1	189	24.5		8.3		30.9		109.7		7.7		1.8		2		88				<0.2		0.9	
					Bottom	7.1	0.1	98	24.5	24.5	8.3	8.3	30.9	30.9	109.2	109.2	7.6	7.6	2.1		2		90				<0.2		0.8	
						7.1	0.1	98	24.5		8.3		30.9		109.1		7.6		2.2		3		90				<0.2		0.8	
IM5	Cloudy	Moderate	05:23	7.6	Surface	1.0	0.2	244	24.7	24.7	8.3	8.3	30.7	30.8	115.2	115.0	8.0	8.0	2.0	2.4	2	2	86	88	820717	804887	<0.2	<0.2	1.1	0.9
						1.0	0.2	258	24.6		8.3		30.8		114.8		8.0		2.2		2		86				<0.2		0.8	
					Middle	3.8	0.1	254	24.6	24.6	8.3	8.3	31.0	31.0	114.0	114.0	8.0		2.6		2		88				<0.2		0.8	
						3.8	0.1	264	24.6		8.3		31.0		113.9		8.0		2.6		2		87				<0.2		0.9	
					Bottom	6.6	0.1	198	24.6	24.7	8.3	8.3	31.0	30.9	113.3	113.2	7.9	7.9	2.5		2		89				<0.2		0.9	
						6.6	0.1	199	24.7		8.3		30.9		113.1		7.9		2.4		3		89				<0.2		1.0	
IM6	Cloudy	Moderate	05:31	7.4	Surface	1.0	0.3	231	25.0	25.0	8.3	8.3	30.0	30.0	125.2	125.2	8.7	8.7	3.9	5.7	3	3	85	88	821046	805849	<0.2	<0.2	1.1	0.9
						1.0	0.3	244	25.0		8.3		30.0		125.1		8.7		3.9		4		86				<0.2		0.8	
					Middle	3.7	0.2	242	24.9	24.9	8.3	8.3	30.4	30.4	123.8	123.6	8.6		3.7		2		87				<0.2		0.8	
						3.7	0.2	249	24.9		8.3		30.5		123.4		8.6		3.7		3		88				<0.2		0.8	
					Bottom	6.4	0.1	179	24.9	24.9	8.3	8.3	30.7	30.7	116.7	116.8	8.1	8.1	9.6		2		90				<0.2		0.9	
						6.4	0.1	196	24.9		8.3		30.7		116.9		8.1		9.4		2		89				<0.2		0.9	
IM7	Cloudy	Moderate	05:38	7.8	Surface	1.0	0.1	247	24.9	24.9	8.3	8.3	29.7	29.7	121.9	121.4	8.5	8.3	6.4	6.9	3	2	86	88	821354	806838	<0.2	<0.2	0.8	0.9
						1.0	0.1	266	24.9		8.3		29.7		120.9		8.5		6.5		2		86				<0.2		1.0	
					Middle	3.9	0.1	162	24.8	24.8	8.3	8.3	30.2	30.3	115.8	115.7	8.1		6.9		2		87				<0.2		0.8	
						3.9	0.1	162	24.8		8.3		30.4		115.5		8.1		6.2		2		88				<0.2		0.9	
					Bottom	6.8	0.1	200	24.9	25.0	8.3	8.3	30.6	30.5	113.5	113.4	7.9	7.9	7.4		2		90				<0.2		0.9	
						6.8	0.1	217	25.0		8.3		30.5		113.2		7.9		8.0		2		89				<0.2		0.8	
IM8	Fine	Moderate	05:13	7.6	Surface	1.0	0.1	62	24.9	24.9	8.1	8.1	30.0	30.0	119.8	119.8	8.4	8.4	2.6	3.5	3	3	85	88	821823	808121	<0.2	<0.2	0.8	0.8
						1.0	0.1	66	24.9		8.1		30.0		119.8		8.4		2.7		2		85				<0.2		0.8	
					Middle	3.8	0.2	76	24.8	24.8	8.2	8.2	30.1	30.0	117.9	118.0	8.3		3.4		3		87				<0.2		0.8	
						3.8	0.2	78	24.8		8.2		30.0		118.0		8.3		3.3		3		88				<0.2		0.8	
					Bottom	6.6	0.2	52	24.8	24.8	8.2	8.2	30.1	30.1	113.3	113.2	7.9	7.9	4.3		3		91				<0.2		0.7	
						6.6	0.2	56	24.8		8.2		30.1		113.1		7.9		4.4		3		91				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 November 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	05:07	7.1	Surface	1.0	0.2	71	24.9	24.9	8.2	8.2	29.9	29.9	119.8	119.8	8.4	8.3	3.2	4.9	3	2	85	88	822088	808794	<0.2	<0.2	0.9	0.8
						1.0	0.2	71	24.9		8.2		29.9		119.7		8.4		3.2		2		84				<0.2		0.8	
					Middle	3.6	0.2	72	24.7	24.7	8.2	8.2	30.0	30.0	117.5	117.5	8.2		3.8		2		87				<0.2		0.8	
						3.6	0.2	73	24.7		8.2		30.0		117.5		8.2		3.9		2		87				<0.2		0.8	
					Bottom	6.1	0.2	75	24.7	24.7	8.2	8.2	30.0	30.0	116.2	116.1	8.1	8.1	7.4		2		91				<0.2		0.8	
						6.1	0.2	77	24.7		8.2		30.0		116.0		8.1		7.6		2		91				<0.2		0.8	
IM10	Fine	Moderate	04:58	7.3	Surface	1.0	0.2	75	25.0	25.0	8.2	8.2	30.5	30.5	118.5	118.4	8.2	8.1	3.6	6.4	3	3	85	89	822391	809803	<0.2	<0.2	0.8	0.8
						1.0	0.2	75	25.0		8.2		30.5		118.3		8.2		3.7		3		89				<0.2		0.8	
					Middle	3.7	0.2	70	24.8	24.8	8.2	8.2	31.2	31.2	114.2	114.3	7.9		6.2		4		88				<0.2		0.8	
						3.7	0.2	74	24.8		8.2		31.2		114.3		7.9		6.4		3		88				<0.2		0.9	
					Bottom	6.3	0.1	113	24.7	24.7	8.2	8.2	31.3	31.3	113.1	113.1	7.9	7.9	9.1		3		91				<0.2		0.8	
						6.3	0.1	122	24.7		8.2		31.3		113.1		7.9		9.1		3		92				<0.2		0.8	
IM11	Fine	Moderate	04:48	8.0	Surface	1.0	0.1	241	24.9	24.9	8.2	8.2	31.2	31.2	118.8	118.8	8.2	8.2	2.6	3.3	3	3	85	88	822045	811441	<0.2	<0.2	0.7	0.8
						1.0	0.1	253	24.9		8.2		31.2		118.7		8.2		2.6		3		85				<0.2		0.9	
					Middle	4.0	0.0	129	24.9	24.9	8.2	8.2	31.2	31.2	118.5	118.5	8.2		2.9		2		88				<0.2		0.7	
						4.0	0.0	140	24.9		8.2		31.2		118.4		8.2		2.9		2		88				<0.2		0.9	
					Bottom	7.0	0.1	138	24.8	24.8	8.2	8.2	31.4	31.4	112.8	112.9	7.8	7.8	4.5		2		91				<0.2		0.7	
						7.0	0.1	145	24.8		8.2		31.4		112.9		7.8		4.5		3		91				<0.2		0.9	
IM12	Fine	Moderate	04:41	8.9	Surface	1.0	0.2	165	25.0	25.0	8.2	8.2	30.9	30.9	118.7	118.7	8.2	8.1	2.8	5.7	3	4	85	88	821452	812065	<0.2	<0.2	0.7	0.8
						1.0	0.2	172	25.0		8.2		30.9		118.6		8.2		2.8		4		85				<0.2		0.8	
					Middle	4.5	0.1	121	24.8	24.8	8.1	8.1	31.1	31.1	114.4	114.4	8.0		5.5		3		88				<0.2		0.7	
						4.5	0.1	125	24.8		8.1		31.1		114.4		8.0		5.7		4		88				<0.2		0.8	
					Bottom	7.9	0.2	126	24.7	24.7	8.0	8.0	31.2	31.2	111.5	111.5	7.8	7.8	8.5		3		91				<0.2		0.8	
						7.9	0.2	127	24.7		8.0		31.2		111.5		7.8		8.7		4		91				<0.2		0.8	
SR1A	Fine	Moderate	04:18	5.1	Surface	1.0	-	-	24.9	24.9	8.2	8.2	30.2	30.2	119.7	119.7	8.3	8.3	2.1	3.1	3	3	-	-	819973	812655	-	-	-	-
						1.0	-	-	24.9		8.2		30.2		119.7		8.3		2.1		3		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	24.8	24.8	8.2	8.2	31.4	31.4	115.0	115.0	8.0	8.0	4.1		3		-				-		-	
						4.1	-	-	24.8		8.2		31.4		115.0		8.0		4.1		4		-				-		-	
SR2	Fine	Moderate	04:06	4.7	Surface	1.0	0.2	12	24.8	24.8	8.1	8.1	31.1	31.1	115.8	115.8	8.0	8.0	9.4	11.6	3	3	87	88	821454	814180	<0.2	<0.2	1.0	0.9
						1.0	0.3	12	24.8		8.1		31.1		115.8		8.0		9.7		3		86				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	7	24.8	24.8	8.1	8.1	31.5	31.5	114.2	114.2	7.9	7.9	13.6		3		90				<0.2		0.8	
						3.7	0.2	7	24.8		8.1		31.5		114.2		7.9		13.5		2		90				<0.2		0.9	
SR3	Fine	Moderate	05:20	9.0	Surface	1.0	0.1	144	25.2	25.2	8.1	8.1	29.9	29.9	115.8	115.8	8.1	8.0	2.3	4.1	4	3	-	-	822136	807585	-	-	-	-
						1.0	0.1	145	25.2		8.1		29.9		115.8		8.1		2.3		3		-				-		-	
					Middle	4.5	0.1	86	24.9	24.9	8.1	8.1	30.1	30.1	112.4	112.3	7.8		3.1		4		-				-		-	
						4.5	0.1	86	24.9		8.1		30.1		112.2		7.8		3.1		2		-				-		-	
					Bottom	8.0	0.2	60	24.8	24.8	8.1	8.1	30.5	30.5	108.5	108.5	7.6	7.6	6.9		3		-				-		-	
						8.0	0.2	65	24.8		8.1		30.5		108.5		7.6		6.8		3		-				-		-	
SR4A	Cloudy	Moderate	04:08	8.4	Surface	1.0	0.1	78	24.8	24.9	8.3	8.3	30.8	30.8	120.7	120.6	8.4	8.1	0.9	1.4	<2	2	-	-	817188	807822	-	-	-	-
						1.0	0.1	85	24.9		8.3		30.9		120.4		8.4		0.9		<2		-				-		-	
					Middle	4.2	0.1	79	24.9	24.9	8.3	8.3	31.3	31.3	113.1	113.1	7.8		1.7		2		-				-		-	
						4.2	0.1	82	24.9		8.3		31.3		113.0		7.8		1.7		3		-				-		-	
					Bottom	7.4	0.2	54	24.8	24.8	8.3	8.3	31.4	31.4	111.2	111.3	7.7	7.7	1.6		2		-				-		-	
						7.4	0.2	54	24.8		8.3		31.4		111.4		7.7		1.6		3		-				-		-	
SR5A	Cloudy	Moderate	03:51	3.5	Surface	1.0	0.1	11	24.9	24.9	8.3	8.3	31.4	31.4	113.3	113.3	7.8	7.8	2.1	3.1	4	4	-	-	816582	810716	-	-	-	-
						1.0	0.1	11	24.9		8.3		31.4		113.3		7.8		2.1		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	284	25.0	25.0	8.3	8.3	31.3	31.3	111.8	111.8	7.7	7.7	4.1		4		-				-		-	
						2.5	0.1	303	25.0		8.3		31.3		111.8		7.7		4.1		4		-				-		-	
SR6A	Cloudy	Moderate	03:23	4.1	Surface	1.0	0.0	261	24.9	24.9	8.3	8.3	30.7	30.7	122.3	122.3	8.5	8.5	2.9	2.2	<2	3	-	-	817965	814737	-	-	-	-
						1.0	0.0	263	24.9		8.3		30.7		122.3		8.5		2.7		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	237	25.0	25.0	8.3	8.3	30.6	30.6	122.9	122.9	8.5	8.5	1.7		4		-				-		-	
						3.1	0.1	247	25.0		8.3		30.6		122.9		8.5		1.7		3		-				-		-	
SR7	Fine	Moderate	03:15	15.1	Surface	1.0	0.1	87	24.7	24.7	8.1	8.1	31.9	31.9	106.3	106.3	7.4	7.1	1.8	2.5	2	2	-	-	823650	823728	-	-	-	-
						1.0	0.2	95	24.7		8.1		31.9		106.3		7.4		1.8		3		-				-		-	
					Middle	7.6	0.1	38	24.6	24.6	8.0	8.0	32.6	32.6	98.6	98.6	6.8		2.3		2		-				-		-	
						7.6	0.1	38	24.6		8.0		32.6		98.6		6.8		2.3		3		-				-		-	
					Bottom	14.1	0.2	39	24.6	24.6	8.0	8.0	32.7	32.7	97.2	97.3	6.7	6.7	3.4		2		-				-		-	
						14.1	0.2	40	24.6		8.0		32.7		97.3		6.7		3.2		2		-				-		-	
SR8	Fine	Moderate	04:29	4.8	Surface	1.0	-	-	24.8	24.8	8.1	8.1	30.8	30.8	115.0	115.0	8.0	8.0	4.6	6.2	5	4	-	-	820369	811605	-	-	-	-
						1.0	-	-	24.8		8.1		30.8		115.0		8.0		4.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	24.6	24.6	8.1	8.1	31.3	31.3	110.6	110.6	7.7	7.7	7.7		3		-				-		-	
						3.8	-	-	24.6		8.1		31.3		110.5		7.7		7.8		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 November 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	16:22	8.4	Surface	1.0	0.1	34	24.5	24.5	8.4	8.4	29.8	29.8	118.3	117.8	8.3	7.7	1.3	2.6	<2	2	84	88	815627	804230	<0.2	<0.2	1.0	0.8
						1.0	0.1	34	24.5		8.4		29.8		117.3		8.3		1.4		<2		86				<0.2		0.8	
					Middle	4.2	0.0	77	24.3	24.3	8.2	8.2	32.2	32.2	100.8	100.7	7.0		2.5		<2		87				<0.2		0.9	
						4.2	0.0	77	24.3		8.2		32.2		100.6		7.0		2.6		<2		88				<0.2		0.7	
					Bottom	7.4	0.0	236	24.3	24.3	8.3	8.3	32.5	32.4	101.4	101.6	7.1	7.1	4.0		3		90				<0.2		0.8	
						7.4	0.0	244	24.3		8.3		32.4		101.7		7.1		3.8		2		90				<0.2		0.7	
C2	Fine	Moderate	15:13	12.2	Surface	1.0	0.2	13	25.2	25.2	8.2	8.2	29.9	29.9	125.2	125.2	8.7	8.3	1.8	3.0	2	3	85	87	825703	806956	<0.2	<0.2	1.0	1.0
						1.0	0.2	13	25.2		8.2		29.9		125.2		8.7		1.7		3		84				<0.2		1.0	
					Middle	6.1	0.4	6	24.8	24.8	8.2	8.2	30.7	30.7	112.4	112.2	7.8		3.1		2		87				<0.2		1.0	
						6.1	0.4	6	24.8		8.2		30.7		112.0		7.8		3.1		3		88				<0.2		1.0	
					Bottom	11.2	0.3	322	24.8	24.8	8.1	8.1	31.1	31.1	105.7	105.7	7.4	7.4	4.2		3		90				<0.2		1.0	
						11.2	0.3	343	24.8		8.1		31.1		105.7		7.4		4.2		2		90				<0.2		1.0	
C3	Fine	Moderate	16:59	13.1	Surface	1.0	0.4	270	24.9	24.9	8.0	8.0	32.5	32.5	104.0	103.8	7.2	6.9	0.9	2.6	<2	2	86	89	822122	817792	<0.2	<0.2	1.0	1.0
						1.0	0.4	284	24.9		8.0		32.5		103.6		7.1		0.9		<2		86				<0.2		1.1	
					Middle	6.6	0.3	277	24.7	24.7	8.0	8.0	33.0	33.0	96.7	96.8	6.7		1.5		3		89				<0.2		0.9	
						6.6	0.3	298	24.7		8.0		33.0		96.8		6.7		1.5		2		89				<0.2		1.0	
					Bottom	12.1	0.3	292	24.6	24.6	7.9	7.9	33.0	33.0	96.7	96.8	6.7	6.7	5.6		2		92				<0.2		1.0	
						12.1	0.3	306	24.6		7.9		33.0		96.8		6.7		5.3		2		93				<0.2		1.0	
IM1	Cloudy	Moderate	16:00	5.1	Surface	1.0	0.1	249	25.2	25.2	8.4	8.4	30.2	30.2	130.3	130.3	9.0	9.0	5.2	6.7	2	3	87	88	817935	807121	<0.2	<0.2	0.8	0.8
						1.0	0.1	266	25.2		8.4		30.2		130.3		9.0		5.1		3		86				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	329	25.2	25.2	8.3	8.3	30.3	30.3	125.4	125.1	8.7	8.7	8.4		3		89				<0.2		0.9	
						4.1	0.1	336	25.1		8.3		30.3		124.7		8.7		8.2		3		89				<0.2		0.7	
IM2	Cloudy	Moderate	15:53	7.1	Surface	1.0	0.1	67	24.9	24.9	8.4	8.4	30.1	30.2	123.7	123.5	8.6	8.5	0.5	4.1	4	4	86	87	818158	806160	<0.2	<0.2	0.8	0.8
						1.0	0.1	70	24.9		8.4		30.2		123.3		8.6		0.5		3		85				<0.2		0.8	
					Middle	3.6	0.1	77	24.8	24.8	8.3	8.3	30.9	30.9	120.4	120.3	8.4		3.1		4		87				<0.2		0.8	
						3.6	0.1	79	24.8		8.3		30.9		120.2		8.4		3.2		4		87				<0.2		0.7	
					Bottom	6.1	0.1	82	24.9	24.9	8.3	8.3	31.0	31.0	119.3	119.2	8.3	8.3	8.6		4		89				<0.2		0.8	
						6.1	0.1	88	24.9		8.3		31.0		119.1		8.3		8.6		4		89				<0.2		0.8	
IM3	Cloudy	Moderate	15:46	7.0	Surface	1.0	0.2	344	24.8	24.8	8.3	8.3	30.1	30.2	122.7	122.7	8.6	8.3	0.9	4.6	4	3	86	87	818768	805603	<0.2	<0.2	0.9	0.9
						1.0	0.2	357	24.8		8.3		30.2		122.6		8.6		1.0		3		85				<0.2		0.9	
					Middle	3.5	0.1	343	24.7	24.7	8.3	8.3	31.0	31.0	115.6	115.6	8.1		5.3		4		87				<0.2		0.8	
						3.5	0.1	316	24.7		8.3		31.0		115.5		8.0		5.6		4		88				<0.2		1.0	
					Bottom	6.0	0.1	308	24.8	24.8	8.3	8.3	31.1	31.1	114.7	114.6	8.0	8.0	6.9		3		89				<0.2		0.8	
						6.0	0.1	324	24.8		8.3		31.1		114.5		8.0		7.7		2		89				<0.2		0.8	
IM4	Cloudy	Moderate	15:36	8.1	Surface	1.0	0.3	3	24.6	24.6	8.3	8.3	30.6	30.6	118.0	117.7	8.3	7.9	1.4	2.7	2	3	85	88	819713	804592	<0.2	<0.2	0.9	0.9
						1.0	0.3	3	24.6		8.3		30.7		117.4		8.2		1.6		3		86				<0.2		0.9	
					Middle	4.1	0.2	345	24.5	24.5	8.3	8.3	31.1	31.1	108.6	108.6	7.6		2.1		3		87				<0.2		1.0	
						4.1	0.2	317	24.5		8.3		31.1		108.5		7.6		2.3		3		88				<0.2		0.8	
					Bottom	7.1	0.2	340	24.5	24.5	8.3	8.3	31.2	31.2	109.0	109.0	7.6	7.6	4.1		4		89				<0.2		0.9	
						7.1	0.2	313	24.5		8.3		31.2		109.0		7.6		4.5		3		93				<0.2		0.9	
IM5	Cloudy	Moderate	15:28	7.4	Surface	1.0	0.4	356	24.8	24.8	8.3	8.3	30.4	30.4	120.7	120.7	8.4	8.4	0.8	1.2	3	4	86	88	820729	804884	<0.2	<0.2	1.0	0.9
						1.0	0.4	328	24.8		8.3		30.4		120.7		8.4		0.8		4		86				<0.2		0.8	
					Middle	3.7	0.4	355	24.8	24.8	8.3	8.3	30.7	30.7	120.4	120.4	8.4		0.9		3		87				<0.2		0.8	
						3.7	0.4	327	24.8		8.3		30.7		120.4		8.4		1.0		4		88				<0.2		0.9	
					Bottom	6.4	0.2	11	24.7	24.7	8.3	8.3	30.8	30.8	119.6	119.6	8.3	8.3	1.7		4		90				<0.2		0.8	
						6.4	0.3	12	24.7		8.3		30.8		119.5		8.3		1.7		3		90				<0.2		0.8	
IM6	Cloudy	Moderate	15:21	7.3	Surface	1.0	0.1	301	25.0	25.0	8.3	8.3	29.9	29.9	124.9	124.7	8.7	8.6	0.6	1.3	3	4	85	87	821043	805823	<0.2	<0.2	1.1	1.1
						1.0	0.2	312	25.0		8.3		29.9		124.5		8.7		0.6		4		86				<0.2		1.1	
					Middle	3.7	0.1	269	24.9	24.9	8.3	8.3	30.5	30.6	121.7	121.5	8.5		1.3		4		87				<0.2		1.1	
						3.7	0.1	294	24.8		8.3		30.6		121.3		8.4		1.5		4		87				<0.2		1.0	
					Bottom	6.3	0.0	319	24.8	24.8	8.3	8.3	31.0	31.0	114.5	114.5	8.0	8.0	1.7		3		89				<0.2		1.0	
						6.3	0.0	330	24.8		8.3		31.0		114.5		8.0		1.9		3		89				<0.2		1.0	
IM7	Cloudy	Moderate	15:12	8.3	Surface	1.0	0.2	70	25.0	25.0	8.3	8.3	29.8	29.8	122.0	121.8	8.5	8.4	0.6	2.0	4	4	85	87	821362	806816	<0.2	<0.2	1.0	1.1
						1.0	0.2	70	25.0		8.3		29.9		121.5		8.5		0.6		4		85				<0.2		1.1	
					Middle	4.2	0.1	174	24.8	24.8	8.3	8.3	30.3	30.4	117.9	117.6	8.2		1.1		3		87				<0.2		1.1	
						4.2	0.1	184	24.8		8.3		30.4		117.3		8.2		1.0		4		87				<0.2		1.1	
					Bottom	7.3	0.2	126	24.8	24.8	8.3	8.3	30.9	30.9	115.8	115.8	8.1	8.1	4.2		4		89				<0.2		1.0	
						7.3	0.2	131	24.8		8.3		30.9		115.8		8.1		4.5		5		89				<0.2		1.0	
IM8	Fine	Moderate	15:36	7.8	Surface	1.0	0.1	294	25.1	25.1	8.2	8.2	30.0	30.0	122.0	122.0	8.5	8.4	0.8	1.3	3	4	85	88	821848	808120	<0.2	<0.2	1.0	1.1
						1.0	0.1	306	25.1		8.2		30.0		121.9		8.5		0.8		4		85				<0.2		1.1	
					Middle	3.9	0.0	1	25.0	25.0	8.2	8.2	30.0	30.0	119.3	119.3	8.3		1.2		4		88				<0.2		1.0	
						3.9	0.0	1	25.0		8.2		30.0		119.3		8.3		1.2		4		88				<0.2		1.2	
					Bottom	6.8	0.1	38	24.9	24.9	8.1	8.1	30.1	30.1	115.8	115.8	8.1	8.1	1.8		4		91				<0.2		1.0	
						6.8	0.1	40	24.9		8.1		30.1		115.7		8.1		1.7		3		91				<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 07 November 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	15:42	7.5	Surface	1.0	0.3	213	25.0	25.0	8.1	8.1	30.1	30.1	121.8	121.7	8.5	8.5	1.8	1.8	6	6	85	88	822073	808795	<0.2	<0.2	1.1	1.1
						1.0	0.3	225	25.0		8.1		30.1		121.6		8.5				6		85				<0.2		1.2	
					Middle	3.8	0.3	224	25.0	25.0	8.2	8.2	30.1	30.1	121.2	121.3	8.5		1.7		5		88				<0.2		1.0	
						3.8	0.3	237	25.0		8.2		30.1		121.3		8.5		1.7		6		88				<0.2		1.0	
					Bottom	6.5	0.1	212	25.0	24.9	8.1	8.1	30.1	30.1	120.2	120.2	8.4	8.4	1.8		6		91				<0.2		1.0	
						6.5	0.1	229	24.9		8.1		30.1		120.2		8.4		1.9		5		90				<0.2		1.2	
IM10	Fine	Moderate	15:49	7.2	Surface	1.0	0.5	323	25.0	25.0	8.1	8.1	30.3	30.3	124.1	124.1	8.6	8.6	2.4	2.6	5	4	85	88	822369	809812	<0.2	<0.2	1.0	1.0
						1.0	0.5	336	25.0		8.1		30.3		124.0		8.6		2.3		4		84				<0.2		1.0	
					Middle	3.6	0.4	325	25.0	25.0	8.1	8.1	30.8	30.8	122.1	122.1	8.5		2.4		4		88				<0.2		1.0	
						3.6	0.4	344	25.0		8.1		30.8		122.0		8.5		2.5		4		88				<0.2		1.1	
					Bottom	6.2	0.4	327	24.8	24.8	8.0	8.0	31.2	31.2	113.7	113.8	7.9	7.9	3.0		5		91				<0.2		1.1	
						6.2	0.4	354	24.8		8.0		31.2		113.8		7.9		3.0		4		91				<0.2		1.0	
IM11	Fine	Moderate	15:59	8.1	Surface	1.0	0.4	314	24.9	24.9	8.1	8.1	31.4	31.4	118.5	118.4	8.2	8.0	2.3	2.2	5	4	84	88	822061	811448	<0.2	<0.2	1.0	1.0
						1.0	0.4	336	24.9		8.1		31.4		118.3		8.2		2.2		5		85				<0.2		1.1	
					Middle	4.1	0.4	319	24.9	24.9	8.1	8.1	31.5	31.5	110.8	110.7	7.7		1.9		5		88				<0.2		1.0	
						4.1	0.4	329	24.9		8.1		31.5		110.5		7.7		1.9		4		88				<0.2		1.0	
					Bottom	7.1	0.3	307	24.7	24.7	8.0	8.0	32.2	32.2	105.1	105.1	7.3	7.3	2.5		4		92				<0.2		1.0	
						7.1	0.3	327	24.7		8.0		32.2		105.1		7.3		2.5		3		91				<0.2		1.1	
IM12	Fine	Moderate	16:06	9.7	Surface	1.0	0.5	293	24.9	24.9	8.1	8.1	31.2	31.2	119.3	119.3	8.3	8.1	2.7	3.8	5	4	85	88	821451	812047	<0.2	<0.2	0.9	1.0
						1.0	0.5	297	24.9		8.1		31.2		119.2		8.3		2.7		5		85				<0.2		1.0	
					Middle	4.9	0.4	295	24.8	24.8	8.1	8.1	31.3	31.3	112.5	112.5	7.8		3.1		4		89				<0.2		1.0	
						4.9	0.4	316	24.8		8.1		31.3		112.5		7.8		3.1		4		88				<0.2		1.0	
					Bottom	8.7	0.3	280	24.7	24.7	8.1	8.1	31.7	31.7	110.5	110.5	7.7	7.7	5.6		4		92				<0.2		1.0	
						8.7	0.3	294	24.7		8.1		31.7		110.5		7.7		5.7		3		91				<0.2		1.0	
SR1A	Fine	Moderate	16:26	5.2	Surface	1.0	-	-	25.1	25.1	8.2	8.2	31.1	31.1	124.8	124.9	8.6	8.6	1.9	1.8	4	5	-	-	819978	812656	-	-	-	-
						1.0	-	-	25.1		8.2		31.1		124.9		8.6		1.8		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	25.1	25.1	8.1	8.1	31.4	31.4	122.2	122.1	8.4	8.4	1.6		5		-				-		-	
						4.2	-	-	25.1		8.1		31.4		122.0		8.4		1.7		5		-				-		-	
SR2	Fine	Moderate	16:38	4.9	Surface	1.0	0.1	133	25.1	25.1	8.1	8.1	31.5	31.5	114.7	114.5	7.9	7.9	1.6	2.2	4	4	86	88	821478	814167	<0.2	<0.2	0.9	1.0
						1.0	0.1	136	25.1		8.1		31.5		114.2		7.9		1.6		4		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	138	24.7	24.7	8.0	8.0	32.4	32.4	109.6	109.8	7.6	7.6	2.8		4		89				<0.2		0.9	
						3.9	0.2	145	24.7		8.0		32.4		110.0		7.6		2.8		4		90				<0.2		1.0	
SR3	Fine	Moderate	15:30	9.1	Surface	1.0	0.1	129	25.1	25.1	8.2	8.2	30.1	30.1	125.2	125.2	8.7	8.7	1.2	2.2	5	4	-	-	822150	807565	-	-	-	-
						1.0	0.1	131	25.1		8.2		30.1		125.2		8.7		1.2		5		-				-		-	
					Middle	4.6	0.0	295	25.1	25.1	8.2	8.2	30.3	30.3	124.2	124.3	8.6		1.7		4		-				-		-	
						4.6	0.0	307	25.1		8.2		30.3		124.4		8.6		1.8		3		-				-		-	
					Bottom	8.1	0.1	330	24.9	24.9	8.2	8.2	30.8	30.8	120.8	120.7	8.4	8.4	3.5		4		-				-		-	
						8.1	0.1	351	24.9		8.2		30.8		120.6		8.4		3.5		3		-				-		-	
SR4A	Cloudy	Moderate	16:43	8.4	Surface	1.0	0.4	67	25.1	25.1	8.4	8.4	30.2	30.2	130.7	130.7	9.1	9.1	0.6	1.8	3	4	-	-	817172	807795	-	-	-	-
						1.0	0.4	67	25.1		8.4		30.2		130.6		9.1		0.6		4		-				-		-	
					Middle	4.2	0.3	69	25.0	25.0	8.4	8.4	30.4	30.4	128.8	128.8	9.0		1.8		3		-				-		-	
						4.2	0.4	74	24.9		8.4		30.4		128.8		9.0		2.0		4		-				-		-	
					Bottom	7.4	0.3	60	24.9	24.9	8.4	8.4	30.5	30.5	121.4	121.3	8.5	8.5	2.9		4		-				-		-	
						7.4	0.3	65	24.9		8.4		30.5		121.2		8.4		2.9		4		-				-		-	
SR5A	Cloudy	Moderate	16:58	4.5	Surface	1.0	0.0	308	25.1	25.1	8.3	8.3	31.3	31.3	116.9	116.8	8.1	8.1	2.6	2.6	4	4	-	-	816569	810690	-	-	-	-
						1.0	0.0	314	25.0		8.3		31.3		116.6		8.1		2.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	312	25.0	25.0	8.3	8.3	31.3	31.3	116.0	115.9	8.0	8.0	2.6		3		-				-		-	
						3.5	0.1	331	25.0		8.3		31.3		115.8		8.0		2.5		4		-				-		-	
SR6A	Cloudy	Moderate	17:26	4.6	Surface	1.0	0.1	346	25.3	25.3	8.4	8.4	30.4	30.4	130.1	129.9	9.0	9.0	4.4	4.6	4	4	-	-	817949	814758	-	-	-	-
						1.0	0.1	318	25.3		8.4		30.4		129.6		9.0		4.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	59	25.4	25.5	8.4	8.4	30.4	30.4	123.9	123.7	8.6	8.6	4.7		4		-				-		-	
						3.6	0.1	59	25.5		8.4		30.4		123.5		8.5		4.8		4		-				-		-	
SR7	Fine	Moderate	17:30	15.8	Surface	1.0	0.1	195	24.8	24.7	8.0	8.0	32.8	32.8	100.7	100.7	6.9	6.8	1.9	4.1	3	4	-	-	823641	823750	-	-	-	-
						1.0	0.1	196	24.7		8.0		32.8		100.6		6.9		1.9		4		-				-		-	
					Middle	7.9	0.2	62	24.7	24.7	8.0	8.0	32.9	32.9	97.1	97.1	6.7		3.5		4		-				-		-	
						7.9	0.2	66	24.7		8.0		32.9		97.0		6.7		3.6		4		-				-		-	
					Bottom	14.8	0.2	71	24.6	24.6	7.9	7.9	33.1	33.1	95.5	95.5	6.6	6.6	6.7		4		-				-		-	
						14.8	0.3	71	24.6		7.9		33.1		95.4		6.6		6.8		5		-				-		-	
SR8	Fine	Moderate	16:17	5.0	Surface	1.0	-	-	24.9	24.9	8.2	8.2	31.3	31.3	116.2	116.2	8.1	8.1	2.7	3.2	6	7	-	-	820391	811610	-	-	-	-
						1.0	-	-	24.9		8.2		31.3		116.1		8.1		2.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	24.8	24.8	8.1	8.1	31.3	31.3	113.3	113.3	7.9	7.9	3.7		7		-				-		-	
						4.0	-	-	24.8		8.1		31.3		113.2		7.9		3.5		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 November 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	08:19	8.6	Surface	1.0	0.4	210	23.6	23.6	8.2	8.2	34.0	34.0	101.8	101.9	7.1	7.1	2.5	3.1	4	4	86	88	815643	804229	<0.2	<0.2	0.4	0.6
						1.0	0.4	225	23.6		8.2		34.0		101.9		7.1		2.5		4		86				<0.2		0.6	
					Middle	4.3	0.4	210	23.6	23.6	8.2	8.2	34.0	34.0	101.4	101.5	7.1		3.0		4		89				<0.2		0.8	
						4.3	0.4	210	23.6		8.2		34.0		101.6		7.1		3.0		4		89				<0.2		0.8	
					Bottom	7.6	0.4	209	23.6	23.6	8.2	8.2	34.0	34.0	101.3	101.3	7.1	7.1	3.7		5		90				<0.2		0.6	
						7.6	0.4	218	23.6		8.2		34.0		101.3		7.1		3.7		5		90				<0.2		0.6	
C2	Cloudy	Moderate	09:00	11.6	Surface	1.0	1.5	180	24.0	24.0	8.3	8.3	31.7	31.7	112.9	112.7	7.9	7.9	1.0	3.3	4	4	85	88	825664	806926	<0.2	<0.2	0.8	0.7
						1.0	1.6	191	24.0		8.3		31.7		112.5		7.9		1.0		4		85				<0.2		0.8	
					Middle	5.8	1.6	181	24.0	24.0	8.3	8.3	31.8	31.8	111.3	111.3	7.8		2.0		4		89				<0.2		0.7	
						5.8	1.8	184	24.0		8.3		31.8		111.2		7.8		2.3		4		90				<0.2		0.8	
					Bottom	10.6	1.7	183	23.9	23.9	8.3	8.3	31.8	31.8	110.1	110.1	7.7	7.7	6.7		3		90				<0.2		0.6	
						10.6	1.8	200	23.9		8.3		31.8		110.0		7.7		6.7		3		91				<0.2		0.7	
C3	Fine	Moderate	06:57	12.4	Surface	1.0	1.2	155	24.1	24.1	8.3	8.3	32.2	32.2	103.7	103.7	7.3	7.3	0.3	0.7	2	2	83	89	822130	817793	<0.2	<0.2	0.7	0.6
						1.0	1.3	162	24.1		8.3		32.2		103.7		7.3		0.3		2		85				<0.2		0.6	
					Middle	6.2	1.3	156	24.1	24.1	8.3	8.2	32.2	32.2	102.9	102.8	7.2		0.3		2		89				<0.2		0.6	
						6.2	1.4	169	24.1		8.2		32.2		102.7		7.2		0.3		2		90				<0.2		0.6	
					Bottom	11.4	1.3	155	24.3	24.3	8.2	8.2	32.5	32.5	102.3	102.4	7.1	7.1	1.6		2		92				<0.2		0.6	
						11.4	1.3	163	24.3		8.2		32.5		102.4		7.1		1.6		3		93				<0.2		0.6	
IM1	Cloudy	Moderate	08:44	5.0	Surface	1.0	0.1	188	23.8	23.8	8.3	8.3	33.8	33.8	112.7	112.7	7.8	7.8	2.7	2.8	12	11	87	88	817956	807111	<0.2	<0.2	0.5	0.5
						1.0	0.1	196	23.8		8.3		33.8		112.7		7.8		2.7		12		87				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	187	23.8	23.8	8.3	8.3	33.8	33.8	108.7	108.6	7.6	7.6	3.0		10		89				<0.2		0.5	
						4.0	0.1	194	23.8		8.3		33.8		108.5		7.6		2.9		10		89				<0.2		0.6	
IM2	Cloudy	Moderate	08:52	6.7	Surface	1.0	0.2	154	23.7	23.7	8.3	8.3	33.8	33.8	110.2	110.2	7.7	7.7	0.7	1.1	6	6	85	88	818162	806142	<0.2	<0.2	0.4	0.4
						1.0	0.2	163	23.7		8.3		33.8		110.2		7.7		0.7		7		86				<0.2		0.4	
					Middle	3.4	0.2	155	23.7	23.7	8.3	8.3	33.8	33.8	109.0	108.9	7.6		1.1		6		88				<0.2		0.4	
						3.4	0.2	164	23.7		8.3		33.8		108.8		7.6		1.1		6		89				<0.2		0.4	
					Bottom	5.7	0.2	152	23.7	23.7	8.3	8.3	33.9	33.9	107.4	107.4	7.5	7.5	1.5		5		90				<0.2		0.4	
						5.7	0.2	163	23.7		8.3		33.9		107.4		7.5		1.5		5		90				<0.2		0.4	
IM3	Cloudy	Moderate	09:02	6.8	Surface	1.0	0.4	117	23.7	23.7	8.3	8.3	33.8	33.8	108.0	108.0	7.5	7.5	6.6	9.1	10	8	86	89	818804	805572	<0.2	<0.2	0.5	0.5
						1.0	0.5	127	23.7		8.3		33.8		108.0		7.5		6.8		10		86				<0.2		0.5	
					Middle	3.4	0.4	114	23.7	23.7	8.3	8.3	33.8	33.8	107.5	107.5	7.5		8.4		8		89				<0.2		0.5	
						3.4	0.4	116	23.7		8.3		33.8		107.5		7.5		8.5		7		89				<0.2		0.5	
					Bottom	5.8	0.4	112	23.7	23.7	8.3	8.3	33.8	33.8	107.2	107.2	7.5	7.5	12.2		6		90				<0.2		0.5	
						5.8	0.4	119	23.7		8.3		33.8		107.2		7.5		12.2		6		91				<0.2		0.5	
IM4	Cloudy	Moderate	09:15	8.0	Surface	1.0	0.6	186	23.7	23.7	8.3	8.3	33.6	33.6	107.6	107.6	7.5	7.5	3.2	4.1	5	7	86	89	819733	804619	<0.2	<0.2	0.5	0.5
						1.0	0.6	198	23.7		8.3		33.6		107.6		7.5		3.2		4		87				<0.2		0.5	
					Middle	4.0	0.5	183	23.7	23.7	8.3	8.3	33.6	33.6	106.9	106.9	7.5		4.4		7		89				<0.2		0.4	
						4.0	0.6	189	23.7		8.3		33.6		106.9		7.5		4.5		7		90				<0.2		0.4	
					Bottom	7.0	0.5	186	23.7	23.7	8.3	8.3	33.6	33.6	106.4	106.4	7.4	7.4	4.7		10		90				<0.2		0.5	
						7.0	0.5	194	23.7		8.3		33.6		106.4		7.4		4.7		10		91				<0.2		0.5	
IM5	Cloudy	Moderate	09:25	7.6	Surface	1.0	0.7	211	23.6	23.6	8.3	8.3	33.5	33.5	109.9	109.9	7.7	7.7	2.0	2.2	4	5	85	88	820733	804859	<0.2	<0.2	0.6	0.6
						1.0	0.7	230	23.6		8.3		33.5		109.9		7.7		2.1		5		86				<0.2		0.5	
					Middle	3.8	0.6	211	23.6	23.6	8.3	8.3	33.5	33.5	108.9	108.9	7.6		2.1		5		89				<0.2		0.6	
						3.8	0.7	214	23.6		8.3		33.5		108.9		7.6		2.1		5		89				<0.2		0.6	
					Bottom	6.6	0.6	212	23.6	23.6	8.3	8.3	33.5	33.5	107.6	107.6	7.5	7.5	2.3		5		90				<0.2		0.5	
						6.6	0.6	226	23.6		8.3		33.5		107.6		7.5		2.3		6		90				<0.2		0.5	
IM6	Cloudy	Moderate	09:36	6.8	Surface	1.0	0.5	237	23.9	23.9	8.3	8.3	33.3	33.3	113.3	113.3	7.9	7.8	0.5	1.2	6	8	87	89	821065	805816	<0.2	<0.2	0.5	0.6
						1.0	0.5	238	23.9		8.3		33.3		113.3		7.9		0.5		6		87				<0.2		0.6	
					Middle	3.4	0.4	235	23.8	23.8	8.3	8.3	33.5	33.5	108.8	108.8	7.6		1.3		6		89				<0.2		0.6	
						3.4	0.5	244	23.8		8.3		33.5		108.8		7.6		1.3		6		87				<0.2		0.5	
					Bottom	5.8	0.4	246	23.7	23.7	8.3	8.3	33.6	33.6	108.5	108.5	7.6	7.6	1.9		12		92				<0.2		0.6	
						5.8	0.4	249	23.7		8.3		33.6		108.5		7.6		1.9		11		92				<0.2		0.6	
IM7	Cloudy	Moderate	09:46	8.1	Surface	1.0	0.4	233	23.8	23.8	8.3	8.3	33.3	33.3	113.5	113.5	7.9	7.9	0.3	0.9	4	5	88	91	821354	806839	<0.2	<0.2	0.5	0.6
						1.0	0.5	241	23.8		8.3		33.3		113.5		7.9		0.3		5		89				<0.2		0.5	
					Middle	4.1	0.4	252	23.8	23.8	8.3	8.3	33.4	33.4	111.1	111.1	7.8		0.8		5		90				<0.2		0.6	
						4.1	0.4	258	23.8		8.3		33.4		111.1		7.8		0.8		5		91				<0.2		0.5	
					Bottom	7.1	0.3	255	23.8	23.8	8.3	8.3	33.6	33.6	110.2	110.2	7.7	7.7	1.6		5		92				<0.2		0.6	
						7.1	0.3	259	23.8		8.3		33.6		110.2		7.7		1.6		5		93				<0.2		0.6	
IM8	Cloudy	Moderate	08:32	7.9	Surface	1.0	0.9	181	23.9	23.9	8.4	8.3	31.9	31.9	114.9	114.7	8.1	8.0	0.8	1.7	5	5	88	90	821834	808131	<0.2	<0.2	0.6	0.6
						1.0	1.0	192	23.9		8.3		32.0		114.4		8.0		0.8		5		88				<0.2		0.6	
					Middle	4.0	1.2	186	23.8	23.8	8.3	8.3	32.1	32.1	112.0	111.7	7.9		0.9		5		90				<0.2		0.7	
						4.0	1.3	191	23.8		8.3		32.1		111.4		7.8		1.0		5		90				<0.2		0.7	
					Bottom	6.9	1.1	189	23.7	23.7	8.3	8.3	32.5	32.5	109.0	109.0	7.7	7.7	3.2		4		91				<0.2		0.5	
						6.9	1.2	200	23.7		8.3		32.5		108.9		7.7		3.3		4		91				<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 10 November 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	08:26	7.4	Surface	1.0	0.9	184	23.9	23.9	8.3	8.3	32.0	32.0	113.8	113.6	8.0	7.9	0.8	1.6	4	4	86	88	822084	808790	<0.2	<0.2	0.7	0.7
						1.0	0.9	197	23.8		8.3		32.0		113.3		8.0		0.9		4		86				<0.2		0.6	
					Middle	3.7	1.1	184	23.8	23.8	8.3	8.3	32.2	32.2	111.3	111.1	7.8		1.5		4		88				<0.2		0.7	
						3.7	1.2	200	23.8		8.3		32.3		110.9		7.8		1.5		4		88				<0.2		0.7	
					Bottom	6.4	1.0	182	23.7	23.7	8.3	8.3	32.4	32.4	109.3	109.3	7.7	7.7	2.6		5		90				<0.2		0.6	
						6.4	1.1	187	23.7		8.3		32.4		109.3		7.7		2.6		4		90				<0.2		0.6	
IM10	Cloudy	Moderate	08:18	7.5	Surface	1.0	0.7	220	24.0	24.0	8.3	8.3	31.9	31.9	114.8	114.8	8.1	8.0	0.6	1.5	4	4	85	88	822390	809792	<0.2	<0.2	0.6	0.6
						1.0	0.8	233	24.0		8.3		31.9		114.7		8.0		0.5		3		88				<0.2		0.6	
					Middle	3.8	0.8	225	24.0	24.0	8.3	8.3	31.9	31.9	113.5	113.3	8.0		1.0		3		88				<0.2		0.6	
						3.8	0.9	226	24.0		8.3		31.9		113.0		7.9		1.1		4		88				<0.2		0.6	
					Bottom	6.5	0.6	223	23.8	23.8	8.3	8.3	32.2	32.2	110.1	110.0	7.7	7.7	2.7		6		89				<0.2		0.7	
						6.5	0.7	243	23.8		8.3		32.2		109.9		7.7		2.9		6		89				<0.2		0.7	
IM11	Cloudy	Moderate	08:05	7.6	Surface	1.0	0.9	176	24.1	24.1	8.3	8.3	31.8	31.8	113.9	113.9	8.0	8.0	1.3	2.2	7	5	86	89	822049	811438	<0.2	<0.2	0.7	0.7
						1.0	1.0	186	24.1		8.3		31.8		113.8		8.0		1.4		7		87				<0.2		0.7	
					Middle	3.8	1.2	186	24.0	24.0	8.3	8.3	31.8	31.8	113.2	113.1	7.9		2.1		3		89				<0.2		0.7	
						3.8	1.3	198	24.0		8.3		31.9		112.9		7.9		2.0		4		89				<0.2		0.6	
					Bottom	6.6	1.1	184	23.9	23.9	8.3	8.3	31.9	31.9	110.5	110.3	7.8	7.8	3.1		4		90				<0.2		0.6	
						6.6	1.1	189	23.9		8.3		31.9		110.1		7.7		3.0		4		90				<0.2		0.6	
IM12	Cloudy	Moderate	07:57	9.0	Surface	1.0	0.8	157	24.1	24.1	8.3	8.3	31.8	31.8	114.0	113.9	8.0	8.0	1.7	2.5	6	6	86	89	821451	812053	<0.2	<0.2	0.6	0.6
						1.0	0.9	167	24.1		8.3		31.8		113.8		8.0		1.8		7		87				<0.2		0.6	
					Middle	4.5	0.8	165	24.1	24.1	8.3	8.3	31.8	31.8	112.8	112.7	7.9		3.0		6		89				<0.2		0.5	
						4.5	0.8	165	24.0		8.3		31.8		112.6		7.9		2.8		6		90				<0.2		0.6	
					Bottom	8.0	0.8	169	24.0	24.0	8.3	8.3	31.9	31.9	110.8	110.5	7.8	7.8	2.8		6		91				<0.2		0.7	
						8.0	0.8	173	24.0		8.3		31.9		110.2		7.7		2.8		6		91				<0.2		0.6	
SR1A	Cloudy	Calm	07:37	5.2	Surface	1.0	-	-	24.3	24.3	8.3	8.3	31.5	31.6	109.5	109.3	7.7	7.7	1.1	2.0	2	2	-	-	819980	812658	-	-	-	-
						1.0	-	-	24.3		8.3		31.6		109.1		7.6		1.2		2		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	24.4	24.4	8.2	8.2	32.2	32.2	99.5	99.6	6.9	6.9	3.0		2		-				-		-	
						4.2	-	-	24.4		8.2		32.2		99.7		6.9		2.7		3		-				-		-	
SR2	Cloudy	Calm	07:23	5.0	Surface	1.0	0.3	76	24.2	24.2	8.3	8.3	31.9	32.0	108.6	108.4	7.6	7.6	1.0	1.4	3	3	85	87	821482	814181	<0.2	<0.2	0.7	0.7
						1.0	0.3	82	24.2		8.3		32.0		108.1		7.5		1.2		2		86				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	83	24.2	24.2	8.2	8.2	32.2	32.2	103.7	103.8	7.2	7.2	1.7		3		89				<0.2		0.7	
						4.0	0.3	87	24.2		8.2		32.2		103.8		7.2		1.7		3		89				<0.2		0.7	
SR3	Cloudy	Moderate	08:37	9.0	Surface	1.0	1.2	149	23.9	23.9	8.3	8.3	31.8	31.8	117.0	116.9	8.2	8.0	0.6	1.4	5	5	-	-	822141	807558	-	-	-	-
						1.0	1.2	160	23.9		8.3		31.9		116.8		8.2		0.7		5		-				-		-	
					Middle	4.5	1.5	143	23.8	23.8	8.3	8.3	32.2	32.2	109.9	109.7	7.7		1.5		4		-				-		-	
						4.5	1.5	156	23.8		8.3		32.2		109.5		7.7		1.7		5		-				-		-	
					Bottom	8.0	1.7	140	23.7	23.7	8.3	8.3	32.4	32.4	108.3	108.3	7.6	7.6	2.0		5		-				-		-	
						8.0	1.8	153	23.7		8.3		32.4		108.3		7.6		2.0		4		-				-		-	
SR4A	Cloudy	Moderate	07:58	8.6	Surface	1.0	0.1	74	23.8	23.8	8.3	8.3	33.9	33.9	106.9	106.9	7.4	7.4	1.1	1.5	6	5	-	-	817207	807815	-	-	-	-
						1.0	0.1	75	23.8		8.3		33.9		106.9		7.4		1.2		6		-				-		-	
					Middle	4.3	0.1	73	23.8	23.8	8.3	8.3	34.0	34.0	106.1	106.1	7.4		1.7		5		-				-		-	
						4.3	0.1	76	23.8		8.3		34.0		106.1		7.4		1.7		5		-				-		-	
					Bottom	7.6	0.0	114	23.9	23.9	8.3	8.3	34.0	34.0	105.0	105.0	7.3	7.3	1.8		5		-				-		-	
						7.6	0.0	123	23.9		8.3		34.0		105.0		7.3		1.7		5		-				-		-	
SR5A	Cloudy	Moderate	07:40	3.5	Surface	1.0	0.0	276	24.2	24.2	8.3	8.3	33.6	33.6	113.8	113.8	7.9	7.9	2.0	2.2	5	10	-	-	816609	810690	-	-	-	-
						1.0	0.0	287	24.2		8.3		33.6		113.8		7.9		2.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.0	276	24.1	24.1	8.3	8.3	33.6	33.6	110.2	110.2	7.6	7.6	2.3		15		-				-		-	
						2.5	0.0	292	24.1		8.3		33.6		110.1		7.6		2.3		15		-				-		-	
SR6A	Cloudy	Moderate	07:11	4.3	Surface	1.0	0.1	62	24.5	24.5	8.3	8.3	32.3	32.3	112.8	112.8	7.8	7.8	8.1	9.0	5	6	-	-	817949	814752	-	-	-	-
						1.0	0.1	65	24.5		8.3		32.3		112.7		7.8		8.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	214	24.5	24.5	8.3	8.3	32.6	32.6	111.7	111.7	7.7	7.7	9.8		8		-				-		-	
						3.3	0.0	229	24.5		8.3		32.6		111.6		7.7		9.8		7		-				-		-	
SR7	Fine	Calm	06:19	20.2	Surface	1.0	2.5	324	24.4	24.4	8.2	8.2	32.7	32.7	102.4	102.5	7.1	7.1	0.2	0.6	2	2	-	-	823639	823725	-	-	-	-
						1.0	2.7	334	24.4		8.2		32.7		102.5		7.1		0.2		2		-				-		-	
					Middle	10.1	2.6	324	24.4	24.4	8.2	8.2	32.7	32.7	102.4	102.5	7.1		0.4		3		-				-		-	
						10.1	2.7	347	24.4		8.2		32.7		102.5		7.1		0.4		2		-				-		-	
					Bottom	19.2	2.9	321	24.3	24.3	8.2	8.2	32.8	32.8	102.1	102.1	7.1	7.1	1.1		3		-				-		-	
						19.2	3.1	335	24.3		8.2		32.8		102.1		7.1		1.2		2		-				-		-	
SR8	Cloudy	Calm	07:47	4.9	Surface	1.0	-	-	24.4	24.4	8.3	8.3	31.7	31.7	106.9	107.0	7.5	7.5	2.4	2.3	5	4	-	-	820391	811602	-	-	-	-
						1.0	-	-	24.4		8.3		31.7		107.0		7.5		2.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	24.2	24.2	8.3	8.3	31.8	31.8	105.8	105.8	7.4	7.4	2.2		3		-				-		-	
						3.9	-	-	24.2		8.3		31.8		105.7		7.4		2.3		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 November 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	15:25	8.5	Surface	1.0	0.4	31	23.7	23.7	8.3	8.3	34.1	34.1	113.7	113.7	7.9	7.9	5.4	7.1	3	4	87	89	815622	804249	<0.2	<0.2	0.6	0.7
						1.0	0.4	32	23.7		8.3		34.1		113.7		7.9		5.4		3		86				<0.2		0.7	
					Middle	4.3	0.4	28	23.7	23.7	8.3	8.3	34.1	34.1	112.3	112.3	7.8		7.4		3		88				<0.2		0.7	
						4.3	0.4	29	23.7		8.3		34.1		112.3		7.8		7.4		4		89				<0.2		0.8	
					Bottom	7.5	0.4	20	23.7	23.7	8.3	8.3	34.1	34.1	111.2	111.2	7.7	7.7	8.4		4		92				<0.2		0.7	
						7.5	0.4	21	23.7		8.3		34.1		111.2		7.7		8.6		4		92				<0.2		0.6	
C2	Cloudy	Moderate	14:12	11.3	Surface	1.0	3.6	130	24.2	24.2	8.3	8.3	31.3	31.3	118.1	118.0	8.3	8.1	1.1	1.9	4	4	85	88	825705	806957	<0.2	<0.2	0.8	0.8
						1.0	3.9	139	24.2		8.3		31.3		117.9		8.3		1.1		4		85				<0.2		0.7	
					Middle	5.7	3.6	128	24.2	24.2	8.3	8.3	31.5	31.5	112.9	112.9	7.9		1.6		4		89				<0.2		0.8	
						5.7	3.6	136	24.2		8.3		31.5		112.8		7.9		1.7		4		89				<0.2		0.8	
					Bottom	10.3	3.5	128	24.2	24.2	8.3	8.3	31.6	31.6	112.5	112.5	7.9	7.9	3.0		4		90				<0.2		0.9	
						10.3	3.8	128	24.2		8.3		31.6		112.5		7.9		3.2		3		90				<0.2		0.7	
C3	Cloudy	Moderate	16:10	12.0	Surface	1.0	1.9	288	24.3	24.3	8.3	8.3	32.3	32.3	111.6	111.3	7.8	7.5	0.8	4.0	5	5	85	88	822121	817823	<0.2	<0.2	0.6	0.6
						1.0	2.1	293	24.3		8.3		32.3		111.0		7.7		0.8		5		88				<0.2		0.5	
					Middle	6.0	2.1	286	24.3	24.3	8.3	8.3	32.4	32.4	105.0	105.0	7.3		4.3		5		88				<0.2		0.7	
						6.0	2.1	308	24.3		8.3		32.4		104.9		7.3		4.5		4		89				<0.2		0.6	
					Bottom	11.0	2.0	287	24.3	24.3	8.3	8.3	32.4	32.4	105.2	105.3	7.3	7.3	6.7		4		90				<0.2		0.6	
						11.0	2.1	299	24.3		8.3		32.4		105.4		7.3		6.8		4		85				<0.2		0.7	
IM1	Cloudy	Moderate	15:03	4.6	Surface	1.0	0.2	338	24.0	24.0	8.3	8.3	33.7	33.7	124.7	124.7	8.7	8.7	1.7	1.9	7	8	87	88	817948	807155	<0.2	<0.2	0.7	0.6
						1.0	0.2	353	24.0		8.3		33.7		124.7		8.7		1.8		7		86				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	313	23.9	23.9	8.3	8.3	33.8	33.8	116.3	116.3	8.1	8.1	2.0		9		89				<0.2		0.6	
						3.6	0.1	319	23.9		8.3		33.8		116.3		8.1		2.0		9		90				<0.2		0.6	
IM2	Cloudy	Moderate	14:55	6.7	Surface	1.0	0.2	324	23.9	23.9	8.3	8.3	33.7	33.7	124.0	124.0	8.6	8.4	4.1	5.3	12	10	85	88	818168	806183	<0.2	<0.2	0.7	0.6
						1.0	0.2	332	23.9		8.3		33.7		124.0		8.6		4.1		12		85				<0.2		0.7	
					Middle	3.4	0.2	332	23.8	23.8	8.3	8.3	33.8	33.8	117.6	117.6	8.2		5.9		11		89				<0.2		0.6	
						3.4	0.2	338	23.8		8.3		33.8		117.6		8.2		5.9		10		90				<0.2		0.6	
					Bottom	5.7	0.2	324	23.8	23.8	8.3	8.3	33.8	33.8	115.7	115.7	8.1	8.1	6.0		6		90				<0.2		0.5	
						5.7	0.2	342	23.8		8.3		33.8		115.7		8.1		6.0		6		91				<0.2		0.6	
IM3	Cloudy	Moderate	14:48	7.0	Surface	1.0	0.3	337	23.9	23.9	8.4	8.4	33.5	33.5	129.5	129.4	9.0	8.9	0.9	4.3	11	9	84	88	818799	805610	<0.2	<0.2	0.6	0.6
						1.0	0.3	350	23.9		8.4		33.5		129.2		9.0		1.0		11		86				<0.2		0.6	
					Middle	3.5	0.3	336	23.9	23.9	8.4	8.4	33.5	33.5	125.3	125.2	8.7		2.9		8		88				<0.2		0.5	
						3.5	0.3	344	23.9		8.4		33.5		125.1		8.7		3.0		8		89				<0.2		0.5	
					Bottom	6.0	0.3	335	23.8	23.8	8.3	8.3	33.7	33.7	121.3	121.3	8.5	8.5	9.1		7		91				<0.2		0.5	
						6.0	0.3	308	23.8		8.3		33.7		121.3		8.5		9.1		7		91				<0.2		0.6	
IM4	Cloudy	Moderate	14:39	7.5	Surface	1.0	0.5	345	23.9	23.9	8.4	8.4	33.5	33.5	124.8	124.8	8.7	8.6	1.4	2.6	9	8	86	88	819745	804593	<0.2	<0.2	0.7	0.7
						1.0	0.5	317	23.9		8.4		33.5		124.8		8.7		1.4		9		86				<0.2		0.8	
					Middle	3.8	0.4	343	23.8	23.8	8.3	8.3	33.7	33.7	120.6	120.6	8.4		3.4		8		88				<0.2		0.5	
						3.8	0.4	352	23.8		8.3		33.7		120.6		8.4		3.4		8		89				<0.2		0.7	
					Bottom	6.5	0.3	338	23.8	23.8	8.3	8.3	33.8	33.8	119.6	119.6	8.3	8.3	2.9		6		90				<0.2		0.5	
						6.5	0.3	311	23.8		8.3		33.8		119.6		8.3		2.9		6		90				<0.2		0.7	
IM5	Cloudy	Moderate	14:29	7.1	Surface	1.0	0.6	353	23.9	23.9	8.3	8.3	33.7	33.7	121.7	121.7	8.5	8.5	6.5	6.8	5	8	85	88	820724	804863	<0.2	<0.2	0.6	0.6
						1.0	0.6	325	23.9		8.3		33.7		121.7		8.5		6.5		6		85				<0.2		0.5	
					Middle	3.6	0.5	356	23.9	23.9	8.3	8.3	33.7	33.7	120.4	120.4	8.4		6.5		8		89				<0.2		0.6	
						3.6	0.5	328	23.9		8.3		33.7		120.4		8.4		6.5		8		89				<0.2		0.5	
					Bottom	6.1	0.4	1	23.9	23.9	8.3	8.3	33.7	33.7	118.3	118.3	8.2	8.2	7.4		11		90				<0.2		0.6	
						6.1	0.4	1	23.9		8.3		33.7		118.3		8.2		7.4		11		90				<0.2		0.8	
IM6	Cloudy	Moderate	14:20	6.9	Surface	1.0	0.1	337	24.2	24.2	8.3	8.3	33.2	33.2	124.1	124.1	8.6	8.6	1.0	0.8	4	7	85	88	821059	805846	<0.2	<0.2	0.6	0.7
						1.0	0.1	358	24.2		8.3		33.2		124.1		8.6		1.0		4		86				<0.2		0.5	
					Middle	3.5	0.1	325	24.2	24.2	8.3	8.3	33.2	33.2	121.8	121.9	8.5		0.7		6		88				<0.2		0.8	
						3.5	0.1	328	24.2		8.3		33.2		121.9		8.5		0.8		6		88				<0.2		0.7	
					Bottom	5.9	0.1	334	24.2	24.2	8.3	8.3	33.2	33.2	119.0	119.0	8.3	8.3	0.7		10		89				<0.2		0.7	
						5.9	0.1	343	24.2		8.3		33.2		119.0		8.3		0.7		10		89				<0.2		0.8	
IM7	Cloudy	Moderate	14:12	8.0	Surface	1.0	0.2	240	24.4	24.4	8.3	8.3	32.9	32.9	124.2	124.2	8.6	8.5	1.2	2.2	2	5	86	89	821360	806821	<0.2	<0.2	0.4	0.5
						1.0	0.2	253	24.4		8.3		32.9		124.2		8.6		1.2		2		87				<0.2		0.6	
					Middle	4.0	0.2	257	24.3	24.3	8.3	8.3	33.0	33.0	121.8	121.8	8.4		2.0		6		89				<0.2		0.6	
						4.0	0.2	276	24.3		8.3		33.0		121.8		8.4		2.0		6		89				<0.2		0.5	
					Bottom	7.0	0.1	279	24.3	24.3	8.3	8.3	33.1	33.1	120.8	120.8	8.4	8.4	3.3		6		91				<0.2		0.5	
						7.0	0.2	301	24.3		8.3		33.1		120.8		8.4		3.3		6		91				<0.2		0.6	
IM8	Cloudy	Moderate	14:35	7.4	Surface	1.0	2.5	282	24.1	24.1	8.4	8.4	32.0	32.0	129.2	128.9	9.0	8.9	1.6	2.6	4	5	86	88	821848	808134	<0.2	<0.2	0.8	0.7
						1.0	2.7	287	24.1		8.4		32.0		128.6		9.0		1.7		4		89				<0.2		0.7	
					Middle	3.7	2.5	281	24.1	24.1	8.4	8.4	32.0	32.0	126.1	125.9	8.8		2.9		5		89				<0.2		0.6	
						3.7	2.6	307	24.0		8.4		32.0		125.6		8.8		3.0		4		90				<0.2		0.6	
					Bottom	6.4	2.6	281	24.0	24.0	8.4	8.4	32.0	32.0	124.3	124.2	8.7	8.7	3.4		7		90				<0.2		0.6	
						6.4	2.7	307	24.0		8.4		32.0		124.0		8.7		3.3		7		85				<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 10 November 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	14:44	6.6	Surface	1.0	2.2	285	24.0	24.0	8.4	8.4	31.9	31.9	127.2	127.1	8.9	8.9	1.5	2.2	5	6	85	88	822089	808796	<0.2	<0.2	0.8	0.7
						1.0	2.4	293	24.0		8.4		31.9		127.0		8.9		1.6		5		88				<0.2		0.6	
					Middle	3.3	2.2	283	24.0	24.0	8.4	8.4	31.9	31.9	126.0	125.8	8.8		1.8		6		89				<0.2		0.6	
						3.3	2.4	285	24.0		8.4		31.9		125.6		8.8		2.0		6		89				<0.2		0.6	
					Bottom	5.6	2.6	281	24.0	24.0	8.4	8.4	32.0	32.0	123.9	123.9	8.7	8.7	3.1		6		90				<0.2		0.7	
						5.6	2.9	308	24.0		8.4		32.0		123.8		8.7		3.2		7		85				<0.2		0.6	
IM10	Cloudy	Moderate	14:51	7.8	Surface	1.0	2.9	309	24.0	24.0	8.4	8.4	32.0	32.0	131.0	130.8	9.2	9.1	1.6	2.5	8	8	86	89	822388	809793	<0.2	<0.2	0.6	0.6
						1.0	3.1	327	24.0		8.4		32.0		130.6		9.2		1.7		9		86				<0.2		0.7	
					Middle	3.9	2.8	310	24.0	24.0	8.4	8.4	32.0	32.0	129.0	128.9	9.1		2.5		8		90				<0.2		0.6	
						3.9	2.9	327	24.0		8.4		32.0		128.7		9.0		2.6		8		90				<0.2		0.7	
					Bottom	6.8	2.3	309	23.9	24.0	8.4	8.4	32.0	32.0	127.2	127.1	8.9	8.9	3.2		6		91				<0.2		0.6	
						6.8	2.3	309	24.0		8.4		32.0		127.0		8.9		3.1		6		92				<0.2		0.6	
IM11	Cloudy	Moderate	15:04	7.0	Surface	1.0	0.9	66	24.2	24.2	8.4	8.4	31.8	31.8	126.7	126.6	8.9	8.8	1.5	2.7	5	6	87	89	822055	811449	<0.2	<0.2	0.6	0.7
						1.0	0.9	71	24.2		8.4		31.8		126.5		8.9		1.6		5		87				<0.2		0.5	
					Middle	3.5	0.7	71	24.2	24.2	8.4	8.4	31.8	31.8	124.6	124.5	8.7		3.2		5		89				<0.2		0.6	
						3.5	0.8	72	24.2		8.4		31.8		124.3		8.7		3.5		5		90				<0.2		0.7	
					Bottom	6.0	1.1	98	24.1	24.1	8.4	8.4	31.8	31.8	123.8	123.7	8.7	8.7	3.5		7		91				<0.2		0.8	
						6.0	1.2	99	24.1		8.4		31.8		123.6		8.7		3.1		7		91				<0.2		0.8	
IM12	Cloudy	Moderate	15:11	9.0	Surface	1.0	1.8	301	24.2	24.2	8.4	8.4	31.8	31.8	125.4	125.4	8.8	8.8	2.6	4.2	7	8	85	89	821455	812053	<0.2	<0.2	0.6	0.6
						1.0	1.9	324	24.2		8.4		31.8		125.3		8.8		2.6		7		86				<0.2		0.8	
					Middle	4.5	1.8	296	24.2	24.2	8.4	8.4	31.8	31.8	124.4	124.3	8.7		4.1		8		89				<0.2		0.5	
						4.5	2.0	314	24.2		8.4		31.8		124.2		8.7		4.2		8		90				<0.2		0.7	
					Bottom	8.0	2.7	297	24.2	24.2	8.4	8.4	31.8	31.8	123.5	123.5	8.6	8.6	5.8		9		92				<0.2		0.6	
						8.0	2.9	320	24.2		8.4		31.8		123.4		8.6		5.9		9		93				<0.2		0.6	
SR1A	Cloudy	Calm	15:30	5.0	Surface	1.0	-	-	24.4	24.4	8.4	8.4	31.5	31.5	122.7	122.6	8.6	8.6	3.1	3.4	7	8	-	-	819980	812657	-	-	-	-
						1.0	-	-	24.4		8.4		31.5		122.5		8.5		3.2		8		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	24.4	24.4	8.4	8.4	31.6	31.6	121.1	121.2	8.5	8.5	3.8		8		-				-		-	
						4.0	-	-	24.4		8.4		31.6		121.2		8.5		3.7		8		-				-		-	
SR2	Cloudy	Calm	15:43	3.8	Surface	1.0	0.2	48	24.3	24.3	8.3	8.3	32.0	32.0	124.7	124.6	8.7	8.7	2.1	2.4	9	9	86	88	821453	814147	<0.2	<0.2	0.6	0.7
						1.0	0.2	51	24.3		8.3		32.0		124.4		8.7		2.3		9		86				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	46	24.2	24.2	8.3	8.3	32.0	32.1	123.8	123.7	8.7	8.7	2.6		8		89				<0.2		0.7	
						2.8	0.2	47	24.1		8.3		32.1		123.6		8.7		2.6		8		89				<0.2		0.6	
SR3	Cloudy	Moderate	14:30	8.9	Surface	1.0	2.1	282	24.5	24.5	8.4	8.4	31.7	31.7	129.4	129.3	9.0	8.9	0.5	0.9	8	7	-	-	822168	807565	-	-	-	-
						1.0	2.2	309	24.5		8.4		31.7		129.1		9.0		0.6		8		-				-		-	
					Middle	4.5	2.3	281	24.4	24.4	8.4	8.4	31.8	31.8	127.3	127.1	8.9		0.9		7		-				-		-	
						4.5	2.5	299	24.4		8.4		31.8		126.8		8.8		1.0		7		-				-		-	
					Bottom	7.9	2.6	280	24.3	24.3	8.3	8.3	31.9	31.9	119.9	120.0	8.4	8.4	1.3		5		-				-		-	
						7.9	2.7	307	24.3		8.3		31.9		120.0		8.4		1.2		5		-				-		-	
SR4A	Cloudy	Moderate	15:46	8.9	Surface	1.0	0.1	211	24.2	24.2	8.4	8.4	33.2	33.2	130.2	130.2	9.0	9.0	2.5	2.7	6	8	-	-	817212	807822	-	-	-	-
						1.0	0.1	225	24.2		8.4		33.2		130.2		9.0		2.5		6		-				-		-	
					Middle	4.5	0.0	206	24.2	24.2	8.4	8.4	33.3	33.3	128.7	128.7	8.9		2.8		8		-				-		-	
						4.5	0.0	216	24.2		8.4		33.3		128.7		8.9		2.8		9		-				-		-	
					Bottom	7.9	0.0	29	24.1	24.1	8.4	8.4	33.3	33.3	125.0	125.0	8.7	8.7	2.7		10		-				-		-	
						7.9	0.0	30	24.1		8.4		33.3		125.0		8.7		2.7		10		-				-		-	
SR5A	Cloudy	Moderate	16:03	4.1	Surface	1.0	0.0	264	24.4	24.4	8.4	8.4	32.9	32.9	132.0	132.0	9.1	9.2	1.9	2.2	9	6	-	-	816587	810680	-	-	-	-
						1.0	0.0	278	24.4		8.4		32.9		132.0		9.2		1.9		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	244	24.4	24.4	8.4	8.4	32.9	32.9	127.1	127.0	8.8	8.8	2.5		3		-				-		-	
						3.1	0.0	246	24.4		8.4		32.9		126.8		8.8		2.5		5		-				-		-	
SR6A	Cloudy	Moderate	16:32	4.8	Surface	1.0	0.1	143	24.4	24.4	8.4	8.4	32.9	32.9	123.9	123.9	8.6	8.6	11.7	12.0	5	6	-	-	817985	814730	-	-	-	-
						1.0	0.1	143	24.4		8.4		32.9		123.8		8.6		11.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	119	24.4	24.4	8.4	8.4	32.9	32.9	122.5	122.5	8.5	8.5	12.3		7		-				-		-	
						3.8	0.0	119	24.4		8.4		32.9		122.5		8.5		12.3		7		-				-		-	
SR7	Cloudy	Moderate	16:50	18.8	Surface	1.0	1.4	257	24.3	24.3	8.3	8.3	32.4	32.4	106.1	106.0	7.4	7.3	0.6	1.2	6	5	-	-	823625	823747	-	-	-	-
						1.0	1.4	281	24.3		8.3		32.4		105.8		7.4		0.6		6		-				-		-	
					Middle	9.4	1.4	256	24.3	24.3	8.3	8.3	32.5	32.5	103.7	103.7	7.2		1.4		5		-				-		-	
						9.4	1.5	264	24.3		8.3		32.5		103.7		7.2		1.3		5		-				-		-	
					Bottom	17.8	1.5	258	24.3	24.3	8.2	8.2	32.5	32.5	104.3	104.4	7.3	7.3	1.6		4		-				-		-	
						17.8	1.6	269	24.3		8.2		32.5		104.5		7.3		1.5		4		-				-		-	
SR8	Cloudy	Calm	15:21	4.6	Surface	1.0	-	-	24.3	24.3	8.4	8.4	31.8	31.8	127.1	126.8	8.9	8.9	1.4	1.5	10	11	-	-	820412	811623	-	-	-	-
						1.0	-	-	24.3		8.4		31.8		126.5		8.8		1.5		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	24.2	24.2	8.4	8.4	31.8	31.8	124.7	124.5	8.7	8.7	1.5		12		-				-		-	
						3.6	-	-	24.2		8.4		31.8		124.3		8.7		1.5		12		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 November 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	10:10	8.9	Surface	1.0	0.4	209	23.5	23.5	8.3	8.3	33.5	33.5	108.9	108.9	7.6	7.6	3.8	6.0	6	6	89	91	815604	804257	<0.2	<0.2	0.7	0.6
						1.0	0.4	220	23.5		8.3		33.5		108.8		7.6		3.9		6		88				<0.2		0.7	
					Middle	4.5	0.3	212	23.5	23.5	8.0	8.0	33.5	33.5	108.2	108.2	7.6		6.5		6		91				<0.2		0.5	
						4.5	0.4	230	23.5		8.0		33.5		108.1		7.6		6.6		6		91				<0.2		0.7	
					Bottom	7.9	0.3	218	23.5	23.5	8.0	8.0	33.5	33.5	107.6	107.6	7.5	7.5	7.8		6		93				<0.2		0.5	
						7.9	0.4	231	23.5		8.0		33.5		107.5		7.5		7.5		6		93				<0.2		0.7	
C2	Cloudy	Moderate	11:39	11.4	Surface	1.0	2.6	302	24.0	24.0	8.3	8.3	31.7	31.7	127.2	127.0	8.9	8.4	0.8	9.7	3	3	88	91	825693	806926	<0.2	<0.2	0.5	0.6
						1.0	2.8	325	24.0		8.3		31.7		126.8		8.9		0.8		3		89				<0.2		0.6	
					Middle	5.7	3.3	310	23.9	23.9	8.2	8.2	32.1	32.1	112.6	112.6	7.9		8.9		3		91				<0.2		0.6	
						5.7	3.5	339	23.9		8.2		32.1		112.5		7.9		9.9		3		92				<0.2		0.7	
					Bottom	10.4	3.2	311	23.9	23.9	8.2	8.2	32.1	32.1	111.5	111.5	7.8	7.8	18.8		3		94				<0.2		0.7	
						10.4	3.4	324	23.9		8.2		32.1		111.5		7.8		19.1		3		94				<0.2		0.6	
C3	Cloudy	Moderate	09:18	12.1	Surface	1.0	3.3	144	24.1	24.1	8.2	8.2	32.5	32.5	103.2	103.2	7.2	7.2	0.9	1.2	4	4	88	92	822132	817795	<0.2	<0.2	0.5	0.6
						1.0	3.5	150	24.1		8.2		32.5		103.1		7.2		0.9		3		89				<0.2		0.6	
					Middle	6.1	3.4	144	24.1	24.1	8.2	8.2	32.6	32.6	102.7	102.7	7.2		1.1		4		93				<0.2		0.6	
						6.1	3.7	151	24.1		8.2		32.6		102.6		7.2		1.1		3		93				<0.2		0.6	
					Bottom	11.1	3.4	145	24.1	24.1	8.2	8.2	32.6	32.6	103.0	103.1	7.2	7.2	1.8		4		94				<0.2		0.6	
						11.1	3.4	154	24.1		8.2		32.6		103.2		7.2		1.6		3		94				<0.2		0.5	
IM1	Fine	Moderate	10:34	5.1	Surface	1.0	0.1	180	23.5	23.5	8.3	8.3	33.4	33.4	125.2	125.1	8.8	8.8	3.6	5.5	2	4	89	91	817961	807117	<0.2	<0.2	0.4	0.5
						1.0	0.1	180	23.5		8.3		33.4		125.0		8.8		3.7		3		89				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	194	23.4	23.4	8.3	8.3	33.4	33.4	119.9	119.9	8.4	8.4	7.2		6		92				<0.2		0.4	
						4.1	0.2	195	23.4		8.3		33.4		119.8		8.4		7.3		6		92				<0.2		0.5	
IM2	Fine	Moderate	10:42	6.9	Surface	1.0	0.2	163	23.4	23.4	8.3	8.3	33.3	33.3	122.0	121.9	8.6	8.5	1.8	3.3	5	5	88	91	818156	806184	<0.2	<0.2	0.5	0.5
						1.0	0.3	168	23.4		8.3		33.3		121.8		8.6		1.8		5		88				<0.2		0.6	
					Middle	3.5	0.2	158	23.4	23.4	8.2	8.2	33.3	33.3	118.4	118.3	8.3		3.0		4		91				<0.2		0.5	
						3.5	0.2	172	23.4		8.2		33.3		118.1		8.3		3.0		4		90				<0.2		0.5	
					Bottom	5.9	0.2	165	23.4	23.4	8.2	8.2	33.4	33.4	114.0	114.1	8.0	8.0	5.0		5		93				<0.2		0.6	
						5.9	0.2	181	23.4		8.2		33.4		114.2		8.0		5.1		6		93				<0.2		0.5	
IM3	Fine	Moderate	10:51	7.0	Surface	1.0	0.5	125	23.5	23.5	8.2	8.2	33.1	33.1	121.7	121.6	8.6	8.5	6.2	9.6	11	11	88	90	818796	805594	<0.2	<0.2	0.6	0.5
						1.0	0.5	129	23.5		8.2		33.1		121.4		8.5		6.7		12		87				<0.2		0.5	
					Middle	3.5	0.4	122	23.5	23.5	8.2	8.2	33.1	33.1	120.6	120.5	8.5		9.7		11		90				<0.2		0.5	
						3.5	0.4	127	23.5		8.2		33.1		120.4		8.5		9.8		12		90				<0.2		0.5	
					Bottom	6.0	0.5	124	23.5	23.5	8.2	8.2	33.1	33.1	118.6	118.6	8.3	8.3	12.6		8		92				<0.2		0.5	
						6.0	0.5	134	23.5		8.2		33.1		118.6		8.3		12.6		9		92				<0.2		0.6	
IM4	Fine	Moderate	11:04	7.8	Surface	1.0	0.8	189	23.3	23.3	8.2	8.2	33.1	33.1	115.8	115.9	8.2	8.2	5.6	6.9	10	9	87	90	819724	804595	<0.2	<0.2	0.4	0.5
						1.0	0.9	197	23.3		8.2		33.1		115.9		8.2		5.6		11		87				<0.2		0.5	
					Middle	3.9	0.8	188	23.3	23.3	8.2	8.2	33.1	33.1	115.4	115.4	8.1		7.2		9		89				<0.2		0.5	
						3.9	0.8	203	23.3		8.2		33.1		115.4		8.1		7.2		8		90				<0.2		0.6	
					Bottom	6.8	0.7	187	23.3	23.3	8.1	8.1	33.1	33.1	114.5	114.5	8.1	8.1	7.9		9		92				<0.2		0.6	
						6.8	0.7	194	23.3		8.1		33.1		114.5		8.1		7.8		8		92				<0.2		0.5	
IM5	Fine	Moderate	11:15	7.4	Surface	1.0	0.8	207	23.3	23.3	8.1	8.1	33.0	33.0	115.0	115.0	8.1	8.1	3.4	5.1	7	7	87	89	820712	804884	<0.2	<0.2	0.6	0.5
						1.0	0.8	215	23.3		8.1		33.0		115.0		8.1		3.4		7		87				<0.2		0.5	
					Middle	3.7	0.7	208	23.3	23.3	8.2	8.2	33.0	33.0	114.3	114.3	8.1		5.2		6		90				<0.2		0.5	
						3.7	0.7	224	23.3		8.2		33.0		114.2		8.1		5.4		7		89				<0.2		0.5	
					Bottom	6.4	0.7	206	23.3	23.3	8.2	8.2	33.0	33.0	112.6	112.7	8.0	8.0	6.4		8		92				<0.2		0.6	
						6.4	0.7	219	23.3		8.2		33.0		112.7		8.0		6.5		9		91				<0.2		0.5	
IM6	Fine	Moderate	11:25	6.9	Surface	1.0	0.6	229	23.4	23.4	8.1	8.1	33.1	33.1	119.5	119.5	8.4	8.4	2.0	2.7	4	5	87	90	821062	805812	<0.2	<0.2	0.6	0.6
						1.0	0.6	246	23.4		8.1		33.1		119.5		8.4		2.1		5		87				<0.2		0.6	
					Middle	3.5	0.5	237	23.4	23.4	8.1	8.1	33.2	33.2	118.7	118.7	8.4		3.2		4		90				<0.2		0.5	
						3.5	0.5	250	23.4		8.1		33.2		118.7		8.4		3.1		5		90				<0.2		0.6	
					Bottom	5.9	0.5	239	23.4	23.4	8.1	8.1	33.2	33.2	115.6	115.6	8.1	8.1	2.7		6		91				<0.2		0.6	
						5.9	0.5	256	23.4		8.1		33.2		115.5		8.1		2.8		7		92				<0.2		0.6	
IM7	Fine	Moderate	11:35	8.2	Surface	1.0	0.4	237	23.8	23.8	8.2	8.2	32.8	32.8	123.7	123.6	8.7	8.6	1.3	2.3	5	5	86	89	821361	806830	<0.2	<0.2	0.5	0.6
						1.0	0.4	258	23.8		8.2		32.8		123.5		8.7		1.3		4		87				<0.2		0.6	
					Middle	4.1	0.3	243	23.5	23.5	8.2	8.2	33.0	33.0	119.2	119.3	8.4		3.8		5		89				<0.2		0.5	
						4.1	0.4	262	23.5		8.2		33.0		119.3		8.4		3.9		4		89				<0.2		0.5	
					Bottom	7.2	0.2	250	23.4	23.4	8.2	8.2	33.2	33.2	117.5	117.5	8.3	8.3	1.6		6		92				<0.2		0.7	
						7.2	0.3	255	23.4		8.2		33.2		117.5		8.3		1.6		7		91				<0.2		0.7	
IM8	Cloudy	Moderate	11:04	7.5	Surface	1.0	2.5	175	23.7	23.7	8.3	8.3	32.2	32.2	123.4	123.4	8.7	8.7	1.1	2.1	6	4	88	92	821813	808156	<0.2	<0.2	0.7	0.7
						1.0	2.6	181	23.7		8.3		32.2		123.4		8.7		1.1		5		89				<0.2		0.5	
					Middle	3.8	2.4	172	23.6	23.6	8.3	8.3	32.2	32.2	122.5	122.3	8.6		1.2		4		93				<0.2		0.6	
						3.8	2.6	179	23.6		8.3		32.2		122.1		8.6		1.4		4		92				<0.2		0.6	
					Bottom	6.5	2.5	176	23.5	23.5	8.3	8.3	32.3	32.3	118.9	118.8	8.4	8.4	3.7		3		94				<0.2		0.8	
						6.5	2.6	189	23.5		8.3		32.3		118.6		8.4		3.8		4		94				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 November 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	10:57	7.2	Surface	1.0	2.8	191	23.8	23.8	8.3	8.3	32.1	32.1	124.5	124.5	8.8	8.8	1.0	2.0	4	4	88	92	822075	808820	<0.2	<0.2	0.7	0.6
						1.0	2.9	202	23.8		8.3		32.1		124.4		8.8		1.0		3		88				<0.2		0.6	
					Middle	3.6	3.1	191	23.7	23.7	8.3	8.3	32.2	32.2	123.5	123.4	8.7		1.0		3		92				<0.2		0.5	
						3.6	3.3	199	23.7		8.3		32.2		123.2		8.7		1.0		4		92				<0.2		0.6	
					Bottom	6.2	2.8	191	23.5	23.5	8.3	8.3	32.4	32.4	117.9	117.8	8.3	8.3	4.2		4		94				<0.2		0.7	
						6.2	3.0	204	23.5		8.3		32.4		117.7		8.3		3.9		5		95				<0.2		0.6	
IM10	Cloudy	Moderate	10:48	7.6	Surface	1.0	2.9	179	23.7	23.7	8.3	8.3	32.2	32.2	121.8	121.6	8.6	8.5	1.7	3.6	6	5	88	91	822391	809817	<0.2	<0.2	0.6	0.6
						1.0	3.0	185	23.7		8.3		32.2		121.4		8.6		1.8		7		89				<0.2		0.7	
					Middle	3.8	2.9	178	23.6	23.6	8.3	8.3	32.2	32.2	119.4	119.3	8.4		4.1		5		91				<0.2		0.6	
						3.8	3.2	186	23.6		8.3		32.2		119.2		8.4		4.3		4		92				<0.2		0.6	
					Bottom	6.6	2.9	183	23.6	23.6	8.3	8.3	32.3	32.3	118.1	117.9	8.3	8.3	4.7		4		94				<0.2		0.6	
						6.6	3.0	200	23.6		8.3		32.3		117.7		8.3		5.0		4		94				<0.2		0.6	
IM11	Cloudy	Moderate	10:32	7.0	Surface	1.0	2.9	181	23.8	23.8	8.3	8.3	32.1	32.1	118.6	118.5	8.3	8.3	3.5	6.9	7	7	89	92	822034	811470	<0.2	<0.2	0.8	0.7
						1.0	3.0	182	23.8		8.3		32.1		118.4		8.3		3.9		7		90				<0.2		0.8	
					Middle	3.5	3.0	181	23.8	23.8	8.3	8.3	32.1	32.1	117.1	117.0	8.2		7.3		8		93				<0.2		0.7	
						3.5	3.2	195	23.8		8.3		32.1		116.8		8.2		7.7		7		93				<0.2		0.6	
					Bottom	6.0	3.1	181	23.8	23.8	8.3	8.3	32.1	32.1	114.9	114.8	8.1	8.1	9.7		7		94				<0.2		0.6	
						6.0	3.2	181	23.7		8.3		32.2		114.7		8.1		9.4		8		93				<0.2		0.7	
IM12	Cloudy	Moderate	10:23	9.1	Surface	1.0	2.8	164	23.7	23.7	8.3	8.3	32.1	32.1	116.7	116.6	8.2	8.2	3.6	6.2	5	7	89	92	821477	812067	<0.2	<0.2	0.6	0.6
						1.0	3.0	173	23.7		8.3		32.1		116.5		8.2		3.8		6		89				<0.2		0.6	
					Middle	4.6	2.9	164	23.7	23.7	8.3	8.3	32.1	32.1	115.6	115.5	8.1		6.7		6		92				<0.2		0.6	
						4.6	3.0	172	23.7		8.3		32.1		115.4		8.1		7.2		7		93				<0.2		0.6	
					Bottom	8.1	3.1	160	23.7	23.7	8.3	8.3	32.1	32.1	113.7	113.6	8.0	8.0	8.0		7		93				<0.2		0.6	
						8.1	3.3	162	23.7		8.3		32.1		113.5		8.0		7.8		8		94				<0.2		0.6	
SR1A	Cloudy	Calm	10:01	5.0	Surface	1.0	-	-	23.9	23.9	8.3	8.3	32.0	32.0	112.2	112.1	7.9	7.9	1.4	1.6	3	4	-	-	819970	812664	-	-	-	-
						1.0	-	-	23.9		8.3		32.0		112.0		7.9		1.5		3		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	23.9	23.9	8.2	8.2	32.1	32.1	110.9	110.8	7.8	7.8	1.7		4		-				-		-	
						4.0	-	-	23.9		8.2		32.1		110.7		7.8		1.7		4		-				-		-	
SR2	Cloudy	Moderate	09:46	5.2	Surface	1.0	0.3	117	24.0	24.0	8.2	8.2	32.3	32.3	107.8	107.7	7.6	7.6	1.2	1.3	3	3	92	93	821443	814149	0.2	0.2	0.6	0.6
						1.0	0.3	125	24.0		8.2		32.3		107.6		7.5		1.3		3		92				0.3		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	118	23.8	23.8	8.2	8.2	32.4	32.4	107.3	107.3	7.5	7.5	1.4		4		94				<0.2		0.6	
						4.2	0.3	123	23.8		8.2		32.5		107.3		7.5		1.4		3		94				<0.2		0.6	
SR3	Cloudy	Moderate	11:10	8.8	Surface	1.0	3.0	252	23.6	23.6	8.3	8.3	32.2	32.2	124.1	124.0	8.8	8.5	1.3	3.2	3	4	-	-	822166	807567	-	-	-	-
						1.0	3.1	270	23.6		8.3		32.2		123.9		8.7		1.4		4		-				-		-	
					Middle	4.4	3.0	256	23.4	23.4	8.3	8.3	32.4	32.4	115.3	115.3	8.2		3.9		4		-				-		-	
						4.4	3.1	277	23.4		8.3		32.4		115.3		8.1		4.0		3		-				-		-	
					Bottom	7.8	3.0	256	23.4	23.4	8.3	8.3	32.4	32.4	114.7	114.7	8.1	8.1	4.5		4		-				-		-	
						7.8	3.1	256	23.4		8.3		32.4		114.7		8.1		4.5		3		-				-		-	
SR4A	Fine	Calm	09:48	9.7	Surface	1.0	0.2	67	23.4	23.4	8.0	8.0	33.4	33.4	110.4	110.5	7.8	7.8	3.5	4.9	5	6	-	-	817202	807794	-	-	-	-
						1.0	0.2	67	23.4		8.0		33.4		110.5		7.8		3.6		6		-				-		-	
					Middle	4.9	0.2	66	23.4	23.4	8.2	8.2	33.4	33.4	110.2	110.2	7.7		4.0		7		-				-		-	
						4.9	0.2	67	23.4		8.2		33.4		110.2		7.7		4.1		7		-				-		-	
					Bottom	8.7	0.2	68	23.4	23.4	8.1	8.1	33.4	33.4	109.3	109.4	7.7	7.7	7.2		6		-				-		-	
						8.7	0.2	72	23.4		8.1		33.4		109.4		7.7		7.0		7		-				-		-	
SR5A	Fine	Calm	09:28	3.5	Surface	1.0	0.1	338	23.7	23.7	8.0	8.0	33.0	33.0	120.1	120.1	8.4	8.4	4.8	4.4	7	7	-	-	816612	810691	-	-	-	-
						1.0	0.1	311	23.7		8.1		33.0		120.0		8.4		4.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	330	23.6	23.6	8.2	8.2	33.0	33.0	117.3	117.3	8.2	8.2	3.9		7		-				-		-	
						2.5	0.1	350	23.6		8.2		33.0		117.2		8.2		3.9		7		-				-		-	
SR6A	Fine	Calm	08:59	4.4	Surface	1.0	0.0	147	23.9	23.9	8.2	8.2	32.8	32.8	111.0	111.0	7.8	7.8	3.4	2.9	5	6	-	-	817943	814742	-	-	-	-
						1.0	0.0	148	23.9		8.2		32.8		111.0		7.8		3.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	71	23.9	23.9	8.1	8.1	32.9	32.9	109.3	109.3	7.6	7.6	2.4		6		-				-		-	
						3.4	0.0	76	23.9		8.1		32.9		109.3		7.6		2.4		6		-				-		-	
SR7	Cloudy	Moderate	08:42	15.9	Surface	1.0	3.2	111	24.1	24.1	8.2	8.2	32.6	32.6	100.2	100.2	7.0	7.0	1.1	1.2	2	3	-	-	823647	823756	-	-	-	-
						1.0	3.4	116	24.1		8.2		32.6		100.2		7.0		1.2		3		-				-		-	
					Middle	8.0	3.4	110	24.1	24.1	8.1	8.1	32.6	32.6	100.3	100.3	7.0		1.2		3		-				-		-	
						8.0	3.6	114	24.1		8.1		32.6		100.3		7.0		1.1		3		-				-		-	
					Bottom	14.9	3.0	113	24.1	24.1	8.1	8.1	32.6	32.6	100.2	100.4	7.0	7.0	1.2		3		-				-		-	
						14.9	3.1	118	24.1		8.1		32.7		100.5		7.0		1.2		3		-				-		-	
SR8	Cloudy	Moderate	10:13	5.3	Surface	1.0	-	-	23.9	23.9	8.3	8.3	32.1	32.1	113.4	113.3	8.0	8.0	2.0	2.0	3	4	-	-	820381	811646	-	-	-	-
						1.0	-	-	23.9		8.3		32.1		113.1		7.9		2.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	23.9	23.9	8.2	8.2	32.1	32.1	112.2	112.1	7.9	7.9	2.1		3		-				-		-	
						4.3	-	-	23.9		8.2		32.1		111.9		7.9		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 12 November 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	16:29	8.4	Surface	1.0	0.4	36	23.6	23.6	8.1	8.1	33.1	33.1	120.9	120.9	8.5	8.5	8.4	12.0	7	6	89	91	815634	804248	<0.2	<0.2	0.5	0.6
						1.0	0.4	37	23.6		8.1		33.1		120.9		8.5		8.2		8		89				<0.2		0.6	
					Middle	4.2	0.5	34	23.7	23.7	8.1	8.1	33.3	33.3	120.4	120.5	8.4		11.9		7		91				<0.2		0.6	
						4.2	0.5	34	23.7		8.1		33.3		120.5		8.4		12.1		6		91				<0.2		0.5	
					Bottom	7.4	0.5	30	23.7	23.7	8.1	8.1	33.3	33.3	117.7	117.6	8.2	8.2	15.7		5		93				<0.2		0.5	
						7.4	0.5	31	23.7		8.1		33.3		117.4		8.2		15.9		5		94				<0.2		0.6	
C2	Cloudy	Moderate	15:15	11.8	Surface	1.0	4.0	246	24.2	24.2	8.3	8.3	30.5	30.5	130.9	130.7	9.2	8.8	0.7	2.4	4	4	89	92	825666	806962	<0.2	<0.2	0.9	0.8
						1.0	4.0	253	24.2		8.3		30.5		130.5		9.2		0.7		3		89				<0.2		0.7	
					Middle	5.9	3.7	245	24.0	24.0	8.3	8.3	31.4	31.4	118.3	118.2	8.3		1.6		4		92				<0.2		0.8	
						5.9	3.7	249	24.0		8.3		31.4		118.1		8.3		1.8		3		93				<0.2		0.8	
					Bottom	10.8	3.8	247	24.0	24.0	8.3	8.3	31.5	31.5	116.9	116.9	8.2	8.2	4.7		5		94				<0.2		0.8	
						10.8	4.1	267	24.0		8.3		31.5		116.9		8.2		5.0		4		94				<0.2		0.9	
C3	Cloudy	Moderate	17:17	12.5	Surface	1.0	2.5	288	24.2	24.2	8.2	8.2	32.5	32.5	105.3	105.3	7.3	7.3	2.0	5.0	8	7	89	92	822126	817813	<0.2	<0.2	0.8	0.7
						1.0	2.5	297	24.2		8.2		32.5		105.2		7.3		2.1		9		89				<0.2		0.8	
					Middle	6.3	2.6	290	24.2	24.2	8.2	8.2	32.5	32.5	104.8	104.8	7.3		4.4		9		92				<0.2		0.7	
						6.3	2.8	310	24.2		8.2		32.5		104.8		7.3		4.6		8		93				<0.2		0.6	
					Bottom	11.5	2.7	292	24.2	24.2	8.2	8.2	32.5	32.5	104.6	104.7	7.3	7.3	8.3		5		93				<0.2		0.6	
						11.5	2.9	299	24.2		8.2		32.5		104.7		7.3		8.2		4		93				<0.2		0.6	
IM1	Fine	Moderate	16:06	4.9	Surface	1.0	0.1	49	23.9	23.9	8.2	8.2	33.1	33.1	128.2	128.2	9.0	9.0	6.7	7.8	6	6	89	90	817931	807154	<0.2	<0.2	0.6	0.6
						1.0	0.1	51	23.9		8.2		33.1		128.2		9.0		6.8		5		90				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	63	23.8	23.8	8.2	8.2	33.2	33.2	122.1	122.0	8.5	8.5	8.9		6		91				<0.2		0.6	
						3.9	0.1	67	23.8		8.2		33.2		121.9		8.5		8.7		7		91				<0.2		0.5	
IM2	Fine	Moderate	15:58	6.7	Surface	1.0	0.3	4	23.6	23.6	8.2	8.2	33.1	33.1	129.1	129.1	9.1	9.0	3.4	4.7	10	8	89	91	818181	806171	<0.2	<0.2	0.6	0.7
						1.0	0.3	4	23.6		8.2		33.1		129.0		9.0		3.5		9		88				<0.2		0.7	
					Middle	3.4	0.3	347	23.6	23.6	8.2	8.2	33.2	33.2	126.4	126.4	8.9		5.1		8		90				<0.2		0.7	
						3.4	0.3	319	23.6		8.2		33.2		126.3		8.9		5.2		8		91				<0.2		0.6	
					Bottom	5.7	0.3	358	23.6	23.6	8.2	8.2	33.2	33.2	124.6	124.6	8.7	8.7	5.6		7		92				<0.2		0.7	
						5.7	0.3	329	23.6		8.2		33.2		124.5		8.7		5.6		6		93				<0.2		0.6	
IM3	Fine	Moderate	15:50	7.0	Surface	1.0	0.3	344	23.8	23.8	8.2	8.2	32.9	32.9	132.8	132.8	9.3	9.2	4.4	7.1	8	8	89	91	818760	805610	<0.2	<0.2	0.6	0.6
						1.0	0.4	316	23.8		8.2		32.9		132.7		9.3		4.4		9		89				<0.2		0.6	
					Middle	3.5	0.3	337	23.7	23.7	8.2	8.2	33.0	33.0	129.4	129.4	9.1		6.9		8		91				<0.2		0.7	
						3.5	0.3	310	23.7		8.2		33.0		129.3		9.1		7.0		9		90				<0.2		0.6	
					Bottom	6.0	0.3	329	23.7	23.7	8.2	8.2	33.0	33.0	126.1	126.0	8.8	8.8	9.9		6		93				<0.2		0.6	
						6.0	0.3	355	23.7		8.2		33.0		125.8		8.8		9.8		7		92				<0.2		0.5	
IM4	Fine	Moderate	15:39	8.0	Surface	1.0	0.6	337	23.9	23.9	8.2	8.2	33.0	33.0	136.5	136.4	9.5	9.1	3.7	5.7	11	11	88	91	819738	804595	<0.2	<0.2	0.6	0.6
						1.0	0.7	354	23.9		8.2		33.0		136.3		9.5		3.8		11		89				<0.2		0.5	
					Middle	4.0	0.6	331	23.6	23.5	8.2	8.2	33.1	33.1	124.3	124.2	8.7		5.2		10		91				<0.2		0.6	
						4.0	0.6	305	23.5		8.2		33.1		124.0		8.7		5.4		11		90				<0.2		0.5	
					Bottom	7.0	0.5	333	23.5	23.5	8.2	8.2	33.2	33.2	122.2	122.2	8.6	8.6	8.0		13		92				<0.2		0.7	
						7.0	0.5	346	23.5		8.2		33.2		122.2		8.6		8.0		12		93				<0.2		0.8	
IM5	Fine	Moderate	15:29	7.3	Surface	1.0	0.5	3	23.8	23.8	8.2	8.2	33.2	33.2	133.9	133.9	9.4	9.3	7.9	9.8	8	7	88	91	820748	804851	<0.2	<0.2	0.7	0.7
						1.0	0.5	3	23.8		8.2		33.2		133.8		9.4		7.8		9		89				<0.2		0.7	
					Middle	3.7	0.5	7	23.8	23.8	8.2	8.2	33.2	33.2	132.6	132.4	9.3		9.8		7		90				<0.2		0.8	
						3.7	0.5	7	23.8		8.2		33.2		132.2		9.2		9.9		8		91				<0.2		0.7	
					Bottom	6.3	0.4	6	23.8	23.8	8.2	8.2	33.2	33.2	129.8	129.7	9.1	9.1	11.6		6		92				<0.2		0.7	
						6.3	0.5	6	23.8		8.2		33.2		129.6		9.1		11.7		6		93				<0.2		0.7	
IM6	Fine	Moderate	15:20	7.0	Surface	1.0	0.2	277	24.1	24.1	8.2	8.2	32.5	32.5	127.3	127.2	8.9	8.9	2.7	3.3	7	7	88	90	821041	805843	<0.2	<0.2	0.9	0.8
						1.0	0.2	282	24.1		8.2		32.5		127.1		8.9		2.7		6		88				<0.2		0.8	
					Middle	3.5	0.2	294	24.0	24.0	8.2	8.2	32.6	32.6	126.1	126.1	8.8		3.7		7		90				<0.2		1.0	
						3.5	0.2	297	24.0		8.2		32.6		126.1		8.8		3.7		7		89				<0.2		0.9	
					Bottom	6.0	0.2	287	24.0	24.0	8.2	8.2	32.6	32.6	124.6	124.5	8.7	8.7	3.6		7		92				<0.2		0.7	
						6.0	0.2	302	24.0		8.2		32.6		124.4		8.7		3.6		7		91				<0.2		0.7	
IM7	Fine	Moderate	15:14	8.1	Surface	1.0	0.4	240	24.2	24.2	8.3	8.3	32.0	32.0	128.8	128.7	9.0	8.9	1.6	3.9	5	7	88	90	821333	806820	<0.2	<0.2	0.7	0.6
						1.0	0.4	249	24.2		8.3		32.0		128.6		9.0		1.7		6		87				<0.2		0.6	
					Middle	4.1	0.3	255	24.1	24.1	8.3	8.3	32.5	32.5	125.0	125.1	8.7		3.3		5		89				<0.2		0.6	
						4.1	0.3	262	24.1		8.3		32.5		125.1		8.7		3.3		6		90				<0.2		0.6	
					Bottom	7.1	0.3	273	24.0	24.0	8.3	8.3	32.6	32.6	122.5	122.4	8.6	8.6	6.7		8		92				<0.2		0.7	
						7.1	0.3	297	24.0		8.3		32.6		122.3		8.5		6.8		9		91				<0.2		0.6	
IM8	Cloudy	Moderate	15:37	7.4	Surface	1.0	2.3	263	24.1	24.1	8.3	8.3	31.9	31.9	131.2	131.2	9.2	9.2	1.3	6.3	5	6	86	91	821817	808162	<0.2	<0.2	1.0	0.9
						1.0	2.3	283	24.1		8.3		31.9		131.1		9.2		1.4		6		87				<0.2		0.9	
					Middle	3.7	2.5	263	24.1	24.1	8.3	8.3	32.0	32.0	129.5	129.4	9.1		6.3		5		92				<0.2		1.0	
						3.7	2.6	277	24.1		8.3		32.0		129.2		9.1		6.7		6		93				<0.2		1.0	
					Bottom	6.4	2.7	262	24.0	24.0	8.3	8.3	32.0	32.0	125.5	125.1	8.8	8.8	11.0		6		93				<0.2		0.9	
						6.4	3.0	278	24.0		8.3		32.0		124.6		8.7		11.0		7		93				<0.2		0.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 November 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	15:44	6.9	Surface	1.0	3.1	15	23.9	23.9	8.3	8.3	32.2	32.2	131.3	131.2	9.2	9.2	3.0	4.1	10	9	88	91	822087	808821	<0.2	<0.2	0.8	0.8
						1.0	3.2	16	23.9		8.3		32.2		131.1		9.2		3.0		9		88				<0.2		0.9	
					Middle	3.5	2.9	16	23.9	23.9	8.3	8.3	32.2	32.2	129.5	129.4	9.1		4.4		8		92				<0.2		0.7	
						3.5	3.1	17	23.9		8.3		32.2		129.3		9.1		4.6		8		92				<0.2		0.8	
					Bottom	5.9	2.8	17	23.9	23.9	8.3	8.3	32.2	32.2	126.2	125.8	8.9	8.9	4.8		9		94				<0.2		0.8	
						5.9	3.1	18	23.9		8.3		32.2		125.3		8.8		4.9		8		94				<0.2		0.7	
IM10	Cloudy	Moderate	15:52	7.6	Surface	1.0	2.7	6	23.8	23.8	8.3	8.3	32.0	32.0	131.6	131.6	9.3	9.2	4.1	5.1	12	11	88	92	822404	809776	<0.2	<0.2	0.7	0.6
						1.0	3.0	6	23.8		8.3		32.0		131.5		9.3		4.3		11		88				<0.2		0.6	
					Middle	3.8	2.8	8	23.8	23.8	8.3	8.3	32.0	32.0	129.7	129.6	9.1		5.1		10		92				<0.2		0.6	
						3.8	2.9	8	23.8		8.3		32.0		129.5		9.1		5.1		10		92				<0.2		0.6	
					Bottom	6.6	2.9	10	23.8	23.9	8.3	8.3	32.0	32.0	126.0	125.7	8.9	8.9	5.9		10		98				<0.2		0.6	
						6.6	3.2	10	23.9		8.3		32.0		125.3		8.8		5.9		10		94				<0.2		0.7	
IM11	Cloudy	Moderate	16:08	7.5	Surface	1.0	2.9	8	24.2	24.2	8.3	8.3	32.1	32.1	136.9	136.8	9.6	9.5	1.5	3.3	6	6	86	91	822038	811472	<0.2	<0.2	0.8	0.7
						1.0	3.1	8	24.2		8.3		32.1		136.6		9.5		1.5		7		87				<0.2		0.8	
					Middle	3.8	2.8	7	24.1	24.1	8.3	8.3	32.1	32.1	134.4	134.5	9.4		2.3		7		93				<0.2		0.6	
						3.8	3.0	7	24.1		8.3		32.1		134.5		9.4		2.4		6		94				<0.2		0.7	
					Bottom	6.5	2.9	9	24.0	24.0	8.3	8.3	32.1	32.1	127.1	126.8	8.9	8.9	5.9		6		94				<0.2		0.7	
						6.5	3.1	9	24.0		8.3		32.1		126.5		8.9		6.0		6		94				<0.2		0.7	
IM12	Cloudy	Moderate	16:16	9.0	Surface	1.0	2.3	256	24.1	24.1	8.3	8.3	32.1	32.1	124.4	124.4	8.7	8.7	3.6	8.1	7	8	88	91	821465	812032	<0.2	<0.2	0.8	0.7
						1.0	2.4	269	24.1		8.3		32.1		124.4		8.7		3.5		8		88				<0.2		0.8	
					Middle	4.5	2.4	250	24.0	24.0	8.3	8.3	32.1	32.1	124.1	124.1	8.7		6.0		9		89				<0.2		0.6	
						4.5	2.4	251	23.9		8.3		32.1		124.0		8.7		6.0		8		92				<0.2		0.7	
					Bottom	8.0	2.5	254	23.9	23.9	8.3	8.3	32.1	32.1	123.3	123.2	8.7	8.7	14.5		8		93				<0.2		0.6	
						8.0	2.5	257	23.9		8.3		32.1		123.1		8.6		15.3		9		94				<0.2		0.6	
SR1A	Cloudy	Calm	16:36	5.2	Surface	1.0	-	-	24.2	24.2	8.3	8.3	32.0	32.0	122.7	122.6	8.6	8.6	2.6	2.8	7	7	-	-	819980	812661	-	-	-	-
						1.0	-	-	24.2		8.3		32.0		122.5		8.6		2.7		6		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	24.2	24.2	8.3	8.3	32.0	32.0	119.1	119.0	8.3	8.3	2.9		8		-				-		-	
						4.2	-	-	24.2		8.3		32.0		118.8		8.3		2.9		8		-				-		-	
SR2	Cloudy	Moderate	16:50	4.8	Surface	1.0	0.4	1	24.1	24.1	8.3	8.3	32.2	32.2	120.0	119.9	8.4	8.4	7.7	9.2	8	9	92	93	821465	814147	<0.2	<0.2	0.7	0.6
						1.0	0.4	1	24.1		8.3		32.2		119.8		8.4		7.9		9		92				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	4	24.1	24.1	8.2	8.2	32.2	32.2	117.2	117.0	8.2	8.2	10.7		8		93				<0.2		0.6	
						3.8	0.3	4	24.1		8.2		32.2		116.8		8.2		10.5		9		93				<0.2		0.6	
SR3	Cloudy	Moderate	15:31	8.6	Surface	1.0	2.4	57	24.2	24.2	8.3	8.3	31.0	31.0	135.4	135.3	9.5	9.3	0.6	0.9	3	4	-	-	822126	807575	-	-	-	-
						1.0	2.5	61	24.2		8.3		31.0		135.2		9.5		0.5		4		-				-		-	
					Middle	4.3	2.7	57	24.2	24.2	8.3	8.3	31.4	31.4	129.3	129.1	9.1		0.8		4		-				-		-	
						4.3	2.9	61	24.2		8.3		31.4		128.8		9.0		0.9		4		-				-		-	
					Bottom	7.6	2.6	52	24.1	24.1	8.3	8.3	31.8	31.7	126.8	126.8	8.9	8.9	1.4		6		-				-		-	
						7.6	2.8	53	24.1		8.3		31.7		126.8		8.9		1.4		5		-				-		-	
SR4A	Fine	Calm	16:49	8.8	Surface	1.0	0.2	66	23.9	23.9	8.2	8.2	33.0	33.0	128.2	128.2	9.0	9.0	3.9	5.5	8	9	-	-	817212	807803	-	-	-	-
						1.0	0.2	67	23.9		8.2		33.0		128.2		9.0		4.0		9		-				-		-	
					Middle	4.4	0.2	71	23.9	23.9	8.2	8.2	33.0	33.0	128.5	128.6	9.0		5.3		9		-				-		-	
						4.4	0.2	74	23.9		8.2		33.0		128.6		9.0		5.4		8		-				-		-	
					Bottom	7.8	0.1	88	23.9	23.9	8.2	8.2	33.1	33.1	126.1	126.1	8.8	8.8	7.1		10		-				-		-	
						7.8	0.1	90	23.9		8.2		33.1		126.1		8.8		7.2		9		-				-		-	
SR5A	Fine	Calm	17:06	3.6	Surface	1.0	0.1	211	24.2	24.2	8.2	8.2	32.8	32.8	126.1	126.1	8.8	8.8	6.5	6.6	8	10	-	-	816608	810683	-	-	-	-
						1.0	0.1	223	24.2		8.2		32.8		126.0		8.8		6.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	176	24.2	24.2	8.2	8.2	32.8	32.8	121.9	121.8	8.5	8.5	6.7		11		-				-		-	
						2.6	0.1	181	24.2		8.2		32.8		121.6		8.5		6.8		10		-				-		-	
SR6A	Fine	Calm	17:48	4.2	Surface	1.0	0.1	198	24.3	24.3	8.1	8.1	32.8	32.8	123.2	123.3	8.6	8.6	5.6	5.7	8	9	-	-	817955	814755	-	-	-	-
						1.0	0.1	216	24.3		8.1		32.8		123.3		8.6		5.6		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	182	24.3	24.3	8.1	8.1	32.8	32.8	122.9	122.9	8.5	8.5	5.7		10		-				-		-	
						3.2	0.1	188	24.3		8.1		32.8		122.8		8.5		5.7		9		-				-		-	
SR7	Cloudy	Moderate	17:57	15.7	Surface	1.0	1.4	299	24.2	24.2	8.2	8.2	32.5	32.5	103.9	103.9	7.2	7.2	1.3	1.7	8	7	-	-	823646	823735	-	-	-	-
						1.0	1.5	322	24.2		8.2		32.5		103.8		7.2		1.5		8		-				-		-	
					Middle	7.9	1.5	299	24.2	24.2	8.2	8.2	32.5	32.5	103.2	103.2	7.2		1.5		8		-				-		-	
						7.9	1.7	321	24.2		8.2		32.5		103.1		7.2		1.6		8		-				-		-	
					Bottom	14.7	1.8	299	24.2	24.2	8.2	8.2	32.6	32.6	102.5	102.6	7.1	7.1	2.1		6		-				-		-	
						14.7	1.8	304	24.2		8.2		32.6		102.6		7.1		2.2		6		-				-		-	
SR8	Cloudy	Moderate	16:27	5.1	Surface	1.0	-	-	24.1	24.1	8.3	8.3	32.1	32.1	131.0	130.8	9.2	9.2	2.1	2.5	9	9	-	-	820370	811618	-	-	-	-
						1.0	-	-	24.1		8.3		32.1		130.5		9.1		2.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	24.0	24.0	8.3	8.3	32.1	32.1	125.1	124.7	8.8	8.8	2.9		10		-				-		-	
						4.1	-	-	24.0		8.3		32.1		124.3		8.7		2.9		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 14 November 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	12:21	8.0	Surface	1.0	0.5	215	23.2	23.2	8.2	8.2	32.5	32.5	101.9	101.7	7.2	7.1	4.1	6.7	7	8	86	88	815606	804228	<0.2	<0.2	0.4	0.5
						1.0	0.5	220	23.2		8.2		32.5		101.5		7.2		4.3		7		87						0.5	
					Middle	4.0	0.5	221	23.2	23.2	8.2	8.2	32.6	32.6	99.4	99.3	7.0		5.7		8		87				<0.2		0.4	
						4.0	0.5	242	23.2		8.2		32.6		99.2		7.0		5.9		9		88				<0.2		0.4	
					Bottom	7.0	0.4	219	23.2	23.2	8.2	8.2	32.7	32.7	98.8	98.8	7.0	7.0	10.0		8		89				<0.2		0.4	
						7.0	0.5	235	23.2		8.2		32.7		98.8		7.0		10.3		9		90				<0.2		0.6	
C2	Cloudy	Moderate	13:41	10.7	Surface	1.0	0.2	135	23.7	23.7	8.1	8.1	32.1	32.1	120.2	120.2	8.5	8.3	2.9	11.0	4	5	83	87	825689	806921	<0.2	<0.2	0.7	0.7
						1.0	0.2	147	23.7		8.1		32.1		120.2		8.5		2.9		5		83				<0.2		0.6	
					Middle	5.4	0.5	154	23.5	23.5	8.0	8.0	32.5	32.5	112.8	112.8	8.0		10.7		5		87				<0.2		0.7	
						5.4	0.5	159	23.5		8.0		32.5		112.8		8.0		10.8		6		87				<0.2		0.6	
					Bottom	9.7	0.5	144	23.5	23.5	8.0	8.0	32.7	32.7	110.6	110.6	7.8	7.8	19.2		6		91				<0.2		0.7	
						9.7	0.5	145	23.5		8.0		32.7		110.6		7.8		19.3		5		91				<0.2		0.6	
C3	Cloudy	Moderate	11:08	12.4	Surface	1.0	0.4	286	24.0	24.0	8.1	8.1	33.2	33.2	101.0	101.0	7.0	7.0	5.5	7.4	3	3	83	88	822126	817784	<0.2	0.2	0.5	0.7
						1.0	0.4	300	24.0		8.1		33.2		101.0		7.0		5.5		2		84				<0.2		0.6	
					Middle	6.2	0.2	257	24.0	24.0	8.1	8.1	33.2	33.2	99.3	99.3	6.9		6.2		3		87				0.3		0.6	
						6.2	0.2	261	24.0		8.1		33.2		99.2		6.9		6.2		3		88				0.2		0.7	
					Bottom	11.4	0.1	120	23.9	23.9	8.1	8.1	33.2	33.2	97.6	97.6	6.8	6.8	10.4		5		92				<0.2		0.9	
						11.4	0.1	121	23.9		8.1		33.2		97.6		6.8		10.5		4		91				<0.2		0.7	
IM1	Cloudy	Moderate	12:45	4.9	Surface	1.0	0.1	192	23.3	23.3	8.3	8.3	32.4	32.5	113.9	113.7	8.1	8.1	6.6	8.7	5	6	87	88	817938	807152	<0.2	<0.2	0.4	0.5
						1.0	0.1	207	23.3		8.3		32.5		113.5		8.0		7.2		5		88				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	209	23.2	23.2	8.2	8.2	32.6	32.6	107.7	107.8	7.6	7.6	10.8		8		89				<0.2		0.4	
						3.9	0.1	212	23.2		8.2		32.6		107.8		7.6		10.4		7		89				<0.2		0.6	
IM2	Cloudy	Moderate	12:53	6.7	Surface	1.0	0.3	133	23.3	23.3	8.3	8.3	32.3	32.3	109.6	109.5	7.8	7.8	2.6	4.0	9	8	85	88	818150	806151	<0.2	<0.2	0.6	0.5
						1.0	0.3	133	23.3		8.3		32.3		109.4		7.8		2.6		9		87				<0.2		0.5	
					Middle	3.4	0.2	143	23.2	23.2	8.3	8.3	32.4	32.4	108.7	108.7	7.7		2.8		9		87				<0.2		0.6	
						3.4	0.2	157	23.2		8.3		32.4		108.6		7.7		2.9		9		88				<0.2		0.5	
					Bottom	5.7	0.1	150	23.2	23.2	8.3	8.3	32.5	32.5	108.3	108.3	7.7	7.7	6.4		7		89				<0.2		0.6	
						5.7	0.1	158	23.2		8.3		32.5		108.2		7.7		6.4		7		89				<0.2		0.4	
IM3	Cloudy	Moderate	13:01	6.9	Surface	1.0	0.5	135	23.4	23.4	8.3	8.3	32.2	32.2	112.5	112.5	8.0	8.0	6.0	7.0	6	6	86	88	818775	805585	<0.2	<0.2	0.5	0.6
						1.0	0.5	148	23.4		8.3		32.2		112.4		8.0		6.4		5		86				<0.2		0.6	
					Middle	3.5	0.5	130	23.4	23.4	8.3	8.3	32.2	32.2	112.0	112.0	7.9		7.6		6		87				<0.2		0.5	
						3.5	0.6	142	23.4		8.3		32.2		111.9		7.9		7.2		6		87				<0.2		0.6	
					Bottom	5.9	0.5	122	23.4	23.4	8.3	8.3	32.2	32.2	111.5	111.5	7.9	7.9	7.5		6		90				<0.2		0.5	
						5.9	0.5	130	23.4		8.3		32.2		111.4		7.9		7.7		6		90				<0.2		0.6	
IM4	Cloudy	Moderate	13:13	7.4	Surface	1.0	0.9	185	23.3	23.3	8.3	8.3	32.2	32.2	108.2	108.2	7.7	7.7	7.3	9.2	7	10	86	88	819714	804602	<0.2	<0.2	0.5	0.5
						1.0	1.0	189	23.3		8.3		32.2		108.2		7.7		7.2		6		86				<0.2		0.5	
					Middle	3.7	0.9	185	23.3	23.3	8.3	8.3	32.2	32.2	108.0	108.0	7.7		8.6		10		88				<0.2		0.5	
						3.7	0.9	189	23.3		8.3		32.2		108.0		7.7		8.4		11		88				<0.2		0.5	
					Bottom	6.4	0.7	184	23.3	23.3	8.3	8.3	32.2	32.2	107.4	107.4	7.6	7.6	11.7		12		90				<0.2		0.5	
						6.4	0.8	192	23.3		8.3		32.2		107.3		7.6		11.7		13		89				<0.2		0.5	
IM5	Cloudy	Moderate	13:24	7.2	Surface	1.0	0.9	209	23.2	23.2	8.3	8.3	32.2	32.2	107.7	107.7	7.6	7.6	8.8	10.2	14	13	86	88	820728	804874	<0.2	<0.2	0.4	0.5
						1.0	1.0	210	23.2		8.3		32.2		107.7		7.6		8.4		13		87				<0.2		0.5	
					Middle	3.6	0.9	210	23.2	23.2	8.3	8.3	32.2	32.2	107.3	107.3	7.6		9.2		14		88				<0.2		0.5	
						3.6	0.9	217	23.2		8.3		32.2		107.2		7.6		9.4		13		87				<0.2		0.5	
					Bottom	6.2	0.8	209	23.2	23.2	8.3	8.3	32.2	32.2	106.5	106.5	7.6	7.6	12.7		13		90				<0.2		0.5	
						6.2	0.8	228	23.2		8.3		32.2		106.4		7.6		12.7		12		90				<0.2		0.5	
IM6	Cloudy	Moderate	13:34	7.4	Surface	1.0	0.7	237	23.3	23.3	8.3	8.3	32.2	32.2	110.9	110.9	7.9	7.9	6.4	9.7	12	13	86	88	821046	805818	<0.2	<0.2	0.5	0.5
						1.0	0.8	237	23.3		8.3		32.2		110.8		7.9		6.6		12		87				<0.2		0.6	
					Middle	3.7	0.6	235	23.3	23.3	8.3	8.3	32.2	32.2	110.3	110.2	7.8		8.3		12		88				<0.2		0.5	
						3.7	0.7	239	23.3		8.3		32.2		110.1		7.8		8.9		13		89				<0.2		0.5	
					Bottom	6.4	0.6	235	23.3	23.3	8.3	8.3	32.2	32.2	109.2	109.2	7.7	7.7	13.9		16		90				<0.2		0.6	
						6.4	0.6	242	23.3		8.3		32.2		109.1		7.7		13.8		15		90				<0.2		0.5	
IM7	Cloudy	Moderate	13:43	8.0	Surface	1.0	0.5	245	23.3	23.3	8.3	8.3	32.2	32.2	110.7	110.4	7.8	7.8	3.4	6.0	12	12	86	88	821337	806858	<0.2	<0.2	0.5	0.5
						1.0	0.5	255	23.3		8.3		32.2		110.1		7.8		3.7		12		87				<0.2		0.6	
					Middle	4.0	0.4	245	23.3	23.3	8.3	8.3	32.3	32.3	108.7	108.6	7.7		5.7		12		87				<0.2		0.5	
						4.0	0.5	261	23.3		8.3		32.3		108.5		7.7		6.5		13		89				<0.2		0.5	
					Bottom	7.0	0.4	255	23.3	23.3	8.3	8.3	32.3	32.3	108.0	108.0	7.7	7.7	8.2		13		90				<0.2		0.5	
						7.0	0.4	279	23.2		8.3		32.3		108.0		7.7		8.5		12		91				<0.2		0.6	
IM8	Cloudy	Moderate	13:08	7.8	Surface	1.0	2.4	172	23.4	23.4	8.0	8.0	32.8	32.8	111.7	111.8	7.9	7.9	3.3	4.2	8	7	83	87	821829	808138	<0.2	<0.2	0.6	0.6
						1.0	2.6	188	23.4		8.0		32.8		111.8		7.9		3.4		8		83				<0.2		0.6	
					Middle	3.9	2.4	176	23.4	23.4	8.0	8.0	32.8	32.8	111.5	111.5	7.9		3.8		6		88				<0.2		0.6	
						3.9	2.4	179	23.4		8.0		32.8		111.5		7.9		3.8		7		87				<0.2		0.6	
					Bottom	6.8	2.5	170	23.3	23.3	8.0	8.0	32.9	32.9	109.9	109.9	7.8	7.8	5.4		7		92				<0.2		0.7	
						6.8	2.5	182	23.3		8.0		32.9		109.9		7.8		5.4		6		91				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 November 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	13:01	7.1	Surface	1.0	2.6	153	23.4	23.4	8.0	8.0	32.8	32.8	113.0	113.0	8.0	8.0	2.6	3.7	6	7	83	88	822086	808830	<0.2	<0.2	0.6	0.6
						1.0	2.7	155	23.4		8.0		32.8		113.0		8.0		2.7		7		84				<0.2		0.6	
					Middle	3.6	2.7	154	23.4	23.4	8.0	8.0	32.8	32.8	111.8	111.8	7.9		3.5		7		87				<0.2		0.6	
						3.6	2.9	156	23.4		8.0		32.8		111.7		7.9		3.5		8		88				<0.2		0.6	
					Bottom	6.1	2.8	150	23.3	23.3	8.0	8.0	32.8	32.8	108.9	109.0	7.7	7.7	4.8		7		92				<0.2		0.6	
						6.1	2.9	159	23.3		8.0		32.8		109.0		7.7		4.9		8		91				<0.2		0.6	
IM10	Cloudy	Moderate	12:51	8.3	Surface	1.0	1.9	209	23.2	23.2	8.0	8.0	32.7	32.7	112.0	112.0	7.9	7.9	3.5	12.3	12	12	83	87	822398	809817	<0.2	0.2	0.7	0.6
						1.0	2.1	222	23.2		8.0		32.7		112.0		7.9		3.6		11		83				<0.2		0.6	
					Middle	4.2	2.0	212	23.3	23.3	8.0	8.0	32.7	32.7	112.1	112.0	7.9		11.4		11		88				<0.2		0.6	
						4.2	2.1	226	23.3		8.0		32.7		111.9		7.9		11.7		12		87				<0.2		0.5	
					Bottom	7.3	1.5	219	23.2	23.2	8.0	8.0	32.7	32.7	111.4	111.4	7.9	7.9	22.1		14		91				0.3		0.6	
						7.3	1.6	229	23.2		8.0		32.7		111.4		7.9		21.7		13		91				0.3		0.6	
IM11	Cloudy	Moderate	12:30	7.5	Surface	1.0	2.5	212	23.6	23.6	8.0	8.0	32.7	32.7	113.9	113.9	8.0	8.0	9.9	10.4	12	9	83	88	822068	811451	<0.2	<0.2	0.7	0.7
						1.0	2.6	212	23.6		8.0		32.7		113.8		8.0		10.1		11		83				<0.2		0.7	
					Middle	3.8	2.4	212	23.6	23.6	8.0	8.0	32.7	32.7	113.8	113.8	8.0		7.9		9		88				<0.2		0.7	
						3.8	2.6	219	23.6		8.0		32.7		113.8		8.0		7.9		8		88				<0.2		0.7	
					Bottom	6.5	2.5	217	23.6	23.6	8.0	8.0	32.7	32.7	112.8	112.9	7.9	7.9	13.2		8		91				<0.2		0.7	
						6.5	2.5	231	23.6		8.0		32.7		112.9		7.9		13.4		8		92				<0.2		0.8	
IM12	Cloudy	Moderate	12:21	9.6	Surface	1.0	1.9	181	23.5	23.5	8.0	8.0	32.5	32.5	115.0	115.0	8.1	8.1	7.3	12.6	9	7	83	88	821471	812049	<0.2	<0.2	0.9	0.9
						1.0	2.0	196	23.5		8.0		32.5		115.0		8.1		7.2		8		87				<0.2		0.8	
					Middle	4.8	2.2	185	23.5	23.5	8.0	8.0	32.6	32.6	113.8	113.8	8.0		11.6		7		88				<0.2		0.9	
						4.8	2.3	190	23.5		8.0		32.6		113.8		8.0		11.9		7		87				<0.2		0.9	
					Bottom	8.6	2.1	189	23.4	23.4	8.0	8.0	32.6	32.6	112.3	112.3	7.9	7.9	19.3		6		92				<0.2		0.8	
						8.6	2.2	207	23.4		8.0		32.6		112.2		7.9		18.5		7		91				<0.2		0.8	
SR1A	Cloudy	Moderate	11:59	5.5	Surface	1.0	-	-	23.7	23.7	8.0	8.0	32.9	32.9	111.4	111.4	7.8	7.8	4.0	4.3	7	6	-	-	819978	812663	-	-	-	-
						1.0	-	-	23.7		8.0		32.9		111.4		7.8		4.0		6		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						2.8	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	4.5	-	-	23.7	23.7	8.0	8.0	32.9	32.9	109.5	109.5	7.7	7.7	4.5		5		-				-		-	
						4.5	-	-	23.7		8.0		32.9		109.5		7.7		4.5		4		-				-		-	
SR2	Cloudy	Moderate	11:38	4.8	Surface	1.0	0.4	96	23.8	23.8	8.1	8.1	33.0	33.0	108.5	108.5	7.6	7.6	7.5	8.8	5	5	83	85	821484	814166	<0.2	<0.2	0.7	0.7
						1.0	0.4	99	23.8		8.1		33.0		108.5		7.6		7.6		4		83				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	96	23.8	23.8	8.1	8.1	33.0	33.0	106.5	106.5	7.4	7.4	9.9		5		88				<0.2		0.6	
						3.8	0.3	97	23.8		8.1		33.0		106.5		7.4		10.0		6		87				<0.2		0.8	
SR3	Cloudy	Moderate	13:14	8.4	Surface	1.0	2.9	220	23.3	23.3	8.0	8.0	32.8	32.8	110.9	110.9	7.8	7.8	4.6	6.3	7	7	-	-	822156	807561	-	-	-	-
						1.0	2.9	228	23.3		8.0		32.8		110.9		7.8		4.6		6		-				-		-	
					Middle	4.2	2.9	220	23.3	23.3	8.0	8.0	32.8	32.8	109.7	109.6	7.7		6.2		7		-				-		-	
						4.2	3.1	234	23.3		8.0		32.8		109.5		7.7		6.2		6		-				-		-	
					Bottom	7.4	3.0	218	23.3	23.3	8.0	8.0	32.9	32.9	108.8	108.8	7.7	7.7	8.1		9		-				-		-	
						7.4	3.0	223	23.3		8.0		32.9		108.8		7.7		8.1		8		-				-		-	
SR4A	Cloudy	Moderate	11:59	8.9	Surface	1.0	0.2	82	23.3	23.3	8.3	8.3	32.3	32.3	108.2	108.0	7.7	7.6	3.5	4.4	8	7	-	-	817201	807815	-	-	-	-
						1.0	0.2	83	23.3		8.3		32.3		107.8		7.6		3.6		7		-				-		-	
					Middle	4.5	0.2	75	23.3	23.3	8.3	8.3	32.3	32.3	106.2	106.1	7.5		4.1		8		-				-		-	
						4.5	0.2	81	23.3		8.3		32.3		106.0		7.5		4.2		7		-				-		-	
					Bottom	7.9	0.2	65	23.2	23.2	8.3	8.2	32.4	32.4	104.6	104.7	7.4	7.4	5.7		7		-				-		-	
						7.9	0.2	70	23.2		8.2		32.4		104.7		7.4		5.5		6		-				-		-	
SR5A	Cloudy	Moderate	11:38	3.3	Surface	1.0	0.0	354	23.6	23.6	8.3	8.3	32.4	32.4	114.7	114.7	8.1	8.1	4.5	5.3	8	10	-	-	816574	810692	-	-	-	-
						1.0	0.0	359	23.6		8.3		32.4		114.7		8.1		4.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.0	7	23.6	23.6	8.2	8.2	32.4	32.4	113.4	113.4	8.0	8.0	6.3		11		-				-		-	
						2.3	0.0	7	23.6		8.2		32.4		113.3		8.0		6.1		10		-				-		-	
SR6A	Cloudy	Moderate	11:07	4.8	Surface	1.0	0.1	113	23.8	23.8	8.2	8.2	32.2	32.2	106.0	106.0	7.5	7.5	5.4	5.9	9	10	-	-	817961	814738	-	-	-	-
						1.0	0.1	120	23.8		8.2		32.2		105.9		7.4		5.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	102	23.8	23.8	8.2	8.2	32.2	32.2	105.7	105.7	7.4	7.4	6.4		10		-				-		-	
						3.8	0.0	103	23.8		8.2		32.2		105.7		7.4		6.5		10		-				-		-	
SR7	Cloudy	Moderate	10:24	14.6	Surface	1.0	0.6	61	23.9	23.9	8.0	8.0	33.3	33.3	96.0	96.0	6.7	6.7	5.5	6.4	8	7	-	-	823641	823763	-	-	-	-
						1.0	0.7	63	23.9		8.0		33.3		96.0		6.7		5.5		7		-				-		-	
					Middle	7.3	0.2	14	23.9	23.9	8.0	8.0	33.3	33.3	95.6	95.6	6.7		6.7		6		-				-		-	
						7.3	0.2	14	23.9		8.0		33.3		95.5		6.7		6.7		7		-				-		-	
					Bottom	13.6	0.2	55	23.9	23.9	8.0	8.0	33.3	33.3	95.7	95.7	6.7	6.7	7.1		6		-				-		-	
						13.6	0.2	56	23.9		8.0		33.3		95.6		6.7		7.1		7		-				-		-	
SR8	Cloudy	Moderate	12:10	5.3	Surface	1.0	-	-	23.9	23.9	8.0	8.0	32.9	32.9	111.4	111.4	7.8	7.8	4.4	4.4	8	9	-	-	820406	811614	-	-	-	-
						1.0	-	-	23.9		8.0		32.9		111.4		7.8		4.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	23.7	23.7	8.0	8.0	32.9	32.9	111.0	111.0	7.8	7.8	4.3		9		-				-		-	
						4.3	-	-	23.7		8.0		32.9		111.0		7.8		4.3		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 14 November 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	17:27	8.7	Surface	1.0	0.5	28	23.2	23.2	8.3	8.3	32.1	32.1	107.9	107.9	7.7	7.7	6.6	9.1	14	16	86	88	815633	804259	<0.2	<0.2	0.5	0.6
						1.0	0.5	29	23.2		8.3		32.1		107.9		7.7		6.7		15		87				<0.2		0.5	
					Middle	4.4	0.5	23	23.2	23.2	8.3	8.3	32.1	32.1	106.7	106.7	7.6		8.1		16		88				<0.2		0.5	
						4.4	0.5	23	23.2		8.3		32.1		106.6		7.6		8.7		17		89				<0.2		0.6	
					Bottom	7.7	0.5	38	23.2	23.2	8.2	8.2	32.2	32.2	105.8	105.8	7.5	7.5	12.4		17		90				<0.2		0.6	
						7.7	0.5	39	23.2		8.2		32.2		105.8		7.5		12.1		16		90				<0.2		0.6	
C2	Cloudy	Moderate	16:23	10.5	Surface	1.0	0.4	190	23.6	23.6	8.1	8.1	31.8	31.8	117.7	117.7	8.3	8.2	1.6	8.5	5	7	85	89	825661	806960	<0.2	<0.2	0.7	0.7
						1.0	0.5	190	23.6		8.1		31.8		117.7		8.3		1.6		6		85				<0.2		0.7	
					Middle	5.3	0.2	186	23.5	23.5	8.1	8.1	32.1	32.1	112.9	112.9	8.0		6.3		8		88				<0.2		0.7	
						5.3	0.2	204	23.5		8.1		32.1		112.8		8.0		6.4		8		89				<0.2		0.8	
					Bottom	9.5	0.3	11	23.6	23.6	8.1	8.1	32.3	32.3	111.1	111.1	7.8	7.8	17.8		9		92				<0.2		0.7	
						9.5	0.3	11	23.6		8.1		32.3		111.1		7.8		17.3		8		93				<0.2		0.7	
C3	Cloudy	Moderate	18:39	11.8	Surface	1.0	0.3	241	23.8	23.8	8.0	8.0	33.0	33.0	104.8	104.8	7.3	7.3	3.9	10.7	6	6	85	89	822094	817807	<0.2	<0.2	0.7	0.7
						1.0	0.3	252	23.8		8.0		33.0		104.8		7.3		3.9		7		85				<0.2		0.7	
					Middle	5.9	0.4	252	23.8	23.8	8.0	8.0	33.0	33.0	104.5	104.6	7.3		10.9		7		89				<0.2		0.7	
						5.9	0.4	258	23.8		8.0		33.0		104.6		7.3		10.0		6		88				<0.2		0.7	
					Bottom	10.8	0.4	266	23.8	23.8	8.0	8.0	33.0	33.0	104.2	104.2	7.3	7.3	17.5		4		93				<0.2		0.7	
						10.8	0.4	285	23.8		8.0		33.0		104.2		7.3		17.7		4		92				<0.2		0.7	
IM1	Cloudy	Moderate	17:00	4.7	Surface	1.0	0.4	291	23.2	23.2	8.3	8.3	32.4	32.4	110.3	110.2	7.8	7.8	6.5	8.2	12	12	89	89	817956	807120	<0.2	<0.2	0.6	0.6
						1.0	0.4	292	23.2		8.3		32.4		110.1		7.8		6.8		12		87				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	289	23.2	23.2	8.3	8.3	32.4	32.5	108.8	108.7	7.7	7.7	9.9		13		90				<0.2		0.6	
						3.7	0.4	311	23.1		8.3		32.5		108.5		7.7		9.6		12		90				<0.2		0.6	
IM2	Cloudy	Moderate	16:53	7.0	Surface	1.0	0.3	8	23.3	23.3	8.3	8.3	32.2	32.2	113.5	113.5	8.0	8.0	6.8	10.6	15	17	86	89	818157	806174	<0.2	<0.2	0.6	0.6
						1.0	0.4	8	23.3		8.3		32.2		113.5		8.0		7.1		15		87				<0.2		0.7	
					Middle	3.5	0.4	339	23.3	23.3	8.3	8.3	32.2	32.2	112.0	112.0	7.9		11.4		17		87				<0.2		0.5	
						3.5	0.4	341	23.3		8.3		32.2		111.9		7.9		11.1		18		89				<0.2		0.6	
					Bottom	6.0	0.4	324	23.3	23.3	8.3	8.3	32.2	32.2	110.7	110.6	7.8	7.8	13.2		18		91				<0.2		0.6	
						6.0	0.4	348	23.3		8.3		32.2		110.4		7.8		14.0		19		91				<0.2		0.6	
IM3	Cloudy	Moderate	16:46	6.6	Surface	1.0	0.5	318	23.3	23.3	8.3	8.3	32.2	32.2	112.5	112.5	8.0	8.0	8.7	10.7	12	13	87	89	818778	805606	<0.2	<0.2	0.7	0.6
						1.0	0.5	321	23.3		8.3		32.2		112.5		8.0		9.2		14		88				<0.2		0.6	
					Middle	3.3	0.5	320	23.3	23.3	8.3	8.3	32.2	32.2	111.5	111.5	7.9		11.4		14		89				<0.2		0.6	
						3.3	0.5	335	23.3		8.3		32.2		111.4		7.9		12.1		13		89				<0.2		0.6	
					Bottom	5.6	0.3	299	23.3	23.3	8.3	8.3	32.2	32.2	109.4	109.2	7.8	7.8	11.2		13		90				<0.2		0.6	
						5.6	0.4	323	23.3		8.3		32.2		109.0		7.7		11.8		12		92				<0.2		0.6	
IM4	Cloudy	Moderate	16:37	7.4	Surface	1.0	0.5	301	23.4	23.4	8.3	8.3	32.1	32.1	114.7	114.7	8.1	8.1	8.7	11.2	16	16	87	89	819729	804598	<0.2	<0.2	0.6	0.7
						1.0	0.5	310	23.4		8.3		32.1		114.6		8.1		9.0		15		87				<0.2		0.6	
					Middle	3.7	0.5	284	23.4	23.4	8.3	8.3	32.1	32.1	114.1	114.1	8.1		11.5		16		89				<0.2		0.7	
						3.7	0.6	305	23.4		8.3		32.1		114.0		8.1		11.5		15		89				<0.2		0.6	
					Bottom	6.4	0.2	314	23.4	23.4	8.3	8.3	32.1	32.1	113.2	113.1	8.0	8.0	13.2		15		91				<0.2		0.7	
						6.4	0.2	324	23.4		8.3		32.1		113.0		8.0		13.3		16		91				<0.2		0.7	
IM5	Cloudy	Moderate	16:31	7.4	Surface	1.0	0.2	276	23.4	23.4	8.3	8.3	31.9	31.9	112.1	112.1	8.0	7.9	10.7	13.1	18	15	86	89	820728	804855	<0.2	<0.2	0.6	0.6
						1.0	0.2	286	23.4		8.3		31.9		112.0		7.9		11.0		18		88				<0.2		0.6	
					Middle	3.7	0.3	271	23.4	23.4	8.3	8.3	31.9	31.9	111.5	111.5	7.9		13.1		15		88				<0.2		0.7	
						3.7	0.3	289	23.4		8.3		31.9		111.4		7.9		13.4		14		89				<0.2		0.6	
					Bottom	6.4	0.2	296	23.4	23.4	8.3	8.3	31.9	31.9	110.4	110.3	7.8	7.8	15.5		13		90				<0.2		0.7	
						6.4	0.2	310	23.4		8.3		31.9		110.2		7.8		15.0		14		90				<0.2		0.6	
IM6	Cloudy	Moderate	16:24	7.2	Surface	1.0	0.4	250	23.4	23.4	8.3	8.3	31.9	31.9	112.5	112.5	8.0	8.0	13.1	14.6	11	15	87	89	821071	805833	<0.2	<0.2	0.8	0.7
						1.0	0.4	257	23.4		8.3		31.9		112.5		8.0		13.6		11		87				<0.2		0.6	
					Middle	3.6	0.4	248	23.4	23.4	8.3	8.3	31.9	31.9	112.2	112.2	8.0		15.7		16		87				<0.2		0.7	
						3.6	0.4	271	23.4		8.3		31.9		112.2		8.0		15.7		17		89				<0.2		0.7	
					Bottom	6.2	0.4	252	23.4	23.4	8.3	8.3	31.9	31.9	111.7	111.6	7.9	7.9	14.8		18		91				<0.2		0.8	
						6.2	0.4	268	23.4		8.3		31.9		111.5		7.9		14.9		19		92				<0.2		0.8	
IM7	Cloudy	Moderate	16:18	7.8	Surface	1.0	0.3	50	23.5	23.5	8.3	8.3	31.9	31.9	116.1	116.1	8.2	8.2	4.4	10.6	7	9	86	89	821353	806819	<0.2	<0.2	0.8	0.8
						1.0	0.4	51	23.5		8.3		31.9		116.1		8.2		4.5		8		88				<0.2		0.9	
					Middle	3.9	0.3	57	23.5	23.5	8.3	8.3	31.9	31.9	114.9	114.9	8.1		11.3		8		89				<0.2		0.8	
						3.9	0.3	59	23.5		8.3		31.9		114.9		8.1		12.1		9		89				<0.2		0.7	
					Bottom	6.8	0.3	48	23.5	23.5	8.3	8.3	32.0	32.0	114.3	114.3	8.1	8.1	15.7		10		91				<0.2		0.8	
						6.8	0.3	50	23.5		8.3		32.0		114.3		8.1		15.5		9		91				<0.2		0.7	
IM8	Cloudy	Moderate	16:49	7.9	Surface	1.0	0.3	216	23.6	23.6	8.0	8.0	32.6	32.6	114.6	114.6	8.1	8.1	4.1	6.8	7	7	86	89	821822	808124	<0.2	<0.2	1.0	0.9
						1.0	0.3	235	23.6		8.0		32.6		114.6		8.1		4.1		8		85				<0.2		0.8	
					Middle	4.0	0.2	205	23.6	23.6	8.0	8.0	32.6	32.6	114.0	114.1	8.0		6.6		7		89				<0.2		0.9	
						4.0	0.2	212	23.6		8.0		32.6		114.2		8.0		6.7		6		89				<0.2		0.9	
					Bottom	6.9	0.2	235	23.6	23.6	8.0	8.0	32.6	32.6	113.1	113.1	8.0	8.0	9.5		6		93				<0.2		0.9	
						6.9	0.2	252	23.6		8.0		32.6		113.1		8.0		9.7		7		93				<0.2		0.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 November 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	16:56	7.3	Surface	1.0	0.4	248	23.6	23.6	8.0	8.0	32.5	32.5	114.9	115.0	8.1	8.1	2.6	4.1	6	5	85	89	822095	808791	<0.2	<0.2	0.7	0.8
						1.0	0.4	253	23.6		8.0		32.5		115.0		8.1		2.5		6		85				<0.2		0.9	
					Middle	3.7	0.4	257	23.6	23.6	8.0	8.0	32.6	32.6	113.9	114.0	8.0		3.8		5		89				<0.2		0.8	
						3.7	0.4	260	23.6		8.0		32.6		114.1		8.0		3.8		6		89				<0.2		0.8	
					Bottom	6.3	0.3	262	23.6	23.6	8.0	8.0	32.6	32.6	112.7	112.8	7.9	7.9	5.9		4		93				<0.2		0.8	
						6.3	0.3	268	23.6		8.0		32.6		112.8		7.9		5.9		5		93				<0.2		0.8	
IM10	Cloudy	Moderate	17:05	7.5	Surface	1.0	0.7	288	23.6	23.6	8.0	8.0	32.6	32.6	113.5	113.5	8.0	8.0	2.5	3.4	5	5	85	89	822373	809809	<0.2	<0.2	0.8	0.8
						1.0	0.7	314	23.6		8.0		32.6		113.5		8.0		2.5		6		85				<0.2		0.8	
					Middle	3.8	0.5	297	23.6	23.6	8.0	8.0	32.6	32.6	112.8	112.8	7.9		3.1		5		89				<0.2		0.8	
						3.8	0.5	300	23.6		8.0		32.6		112.8		7.9		3.1		6		89				<0.2		0.9	
					Bottom	6.5	0.4	303	23.6	23.6	8.0	8.0	32.6	32.6	111.4	111.4	7.8	7.8	4.6		5		92				<0.2		0.8	
						6.5	0.5	323	23.6		8.0		32.6		111.4		7.8		4.7		4		93				<0.2		0.8	
IM11	Cloudy	Moderate	17:24	8.3	Surface	1.0	1.4	206	23.4	23.4	8.0	8.0	32.7	32.7	112.7	112.7	8.0	8.0	2.7	4.9	4	4	85	89	822054	811452	<0.2	<0.2	1.0	0.9
						1.0	1.4	217	23.4		8.0		32.7		112.7		8.0		2.8		3		85				<0.2		0.9	
					Middle	4.2	1.5	205	23.4	23.4	8.0	8.0	32.7	32.7	112.0	112.0	7.9		4.0		4		89				<0.2		0.8	
						4.2	1.5	219	23.4		8.0		32.7		111.9		7.9		4.0		4		89				<0.2		0.8	
					Bottom	7.3	1.5	201	23.4	23.4	8.0	8.0	32.7	32.7	110.7	110.7	7.8	7.8	7.7		4		93				<0.2		0.8	
						7.3	1.6	218	23.4		8.0		32.7		110.7		7.8		7.9		4		93				<0.2		0.9	
IM12	Cloudy	Moderate	17:34	7.8	Surface	1.0	2.0	311	23.3	23.3	8.0	8.0	32.7	32.7	112.1	112.1	7.9	7.9	4.2	6.1	6	5	85	89	821459	812057	<0.2	<0.2	0.7	0.7
						1.0	2.1	322	23.3		8.0		32.7		112.0		7.9		4.2		5		85				<0.2		0.7	
					Middle	3.9	2.1	313	23.3	23.3	8.0	8.0	32.7	32.7	111.8	111.7	7.9		4.2		6		89				<0.2		0.7	
						3.9	2.3	336	23.3		8.0		32.7		111.6		7.9		4.3		5		89				<0.2		0.7	
					Bottom	6.8	1.8	294	23.4	23.4	8.0	8.0	32.7	32.7	111.0	111.0	7.8	7.8	10.0		5		92				<0.2		0.9	
						6.8	1.8	320	23.4		8.0		32.7		110.9		7.8		9.7		5		93				<0.2		0.7	
SR1A	Cloudy	Moderate	17:56	5.2	Surface	1.0	-	-	23.6	23.6	8.0	8.0	32.9	32.9	108.2	108.2	7.6	7.6	6.3	6.4	8	8	-	-	819980	812662	-	-	-	-
						1.0	-	-	23.6		8.0		32.9		108.2		7.6		6.3		7		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						2.6	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	4.2	-	-	23.6	23.6	8.0	8.0	32.9	32.9	107.8	107.8	7.6	7.6	6.5		8		-				-		-	
						4.2	-	-	23.6		8.0		32.9		107.7		7.6		6.6		8		-				-		-	
SR2	Cloudy	Moderate	18:13	4.8	Surface	1.0	0.4	140	23.6	23.6	8.0	8.0	32.8	32.8	110.0	110.0	7.7	7.7	18.0	25.8	25	21	85	87	821455	814161	<0.2	<0.2	0.8	0.8
						1.0	0.4	150	23.6		8.0		32.8		110.0		7.7		18.2		26		85				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	145	23.6	23.6	8.0	8.0	32.8	32.8	109.7	109.8	7.7	7.7	33.3		17		88				<0.2		0.8	
						3.8	0.3	147	23.6		8.0		32.8		109.8		7.7		33.6		17		88				<0.2		0.9	
SR3	Cloudy	Moderate	16:31	8.8	Surface	1.0	0.3	219	23.6	23.6	8.1	8.1	32.4	32.4	117.2	117.2	8.3	8.3	6.0	11.3	9	9	-	-	822139	807560	-	-	-	-
						1.0	0.3	236	23.6		8.1		32.4		117.2		8.3		6.1		9		-				-		-	
					Middle	4.4	0.2	240	23.6	23.6	8.1	8.1	32.4	32.4	116.8	116.9	8.2		6.6		9		-				-		-	
						4.4	0.2	262	23.6		8.1		32.4		116.9		8.2		6.6		9		-				-		-	
					Bottom	7.8	0.2	286	23.5	23.5	8.1	8.1	32.5	32.5	115.3	115.3	8.1	8.1	20.9		9		-				-		-	
						7.8	0.2	303	23.5		8.1		32.5		115.2		8.1		21.3		9		-				-		-	
SR4A	Cloudy	Moderate	17:49	8.6	Surface	1.0	0.1	221	23.4	23.4	8.3	8.3	32.4	32.4	107.4	107.4	7.6	7.6	8.8	11.7	11	10	-	-	817212	807809	-	-	-	-
						1.0	0.1	240	23.4		8.3		32.4		107.4		7.6		9.2		11		-				-		-	
					Middle	4.3	0.2	63	23.4	23.4	8.3	8.3	32.4	32.4	107.1	107.1	7.6		11.9		11		-				-		-	
						4.3	0.2	68	23.4		8.3		32.4		107.1		7.6		12.1		10		-				-		-	
					Bottom	7.6	0.1	69	23.4	23.4	8.3	8.3	32.4	32.4	106.6	106.6	7.5	7.5	14.0		8		-				-		-	
						7.6	0.1	69	23.4		8.3		32.4		106.6		7.5		14.0		9		-				-		-	
SR5A	Cloudy	Moderate	18:08	3.5	Surface	1.0	0.2	307	23.5	23.5	8.3	8.3	32.4	32.4	107.4	107.4	7.6	7.6	10.9	11.8	11	9	-	-	816573	810707	-	-	-	-
						1.0	0.2	308	23.5		8.3		32.4		107.3		7.6		10.9		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.2	293	23.5	23.5	8.3	8.3	32.4	32.4	106.8	106.8	7.5	7.5	12.5		7		-				-		-	
						2.5	0.2	321	23.5		8.3		32.4		106.8		7.5		12.9		8		-				-		-	
SR6A	Cloudy	Moderate	18:56	4.7	Surface	1.0	0.1	201	23.7	23.7	8.2	8.2	32.3	32.3	107.5	107.4	7.6	7.6	7.9	13.2	6	7	-	-	817951	814760	-	-	-	-
						1.0	0.1	203	23.7		8.2		32.3		107.2		7.5		7.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	223	23.7	23.7	8.2	8.2	32.3	32.3	106.3	106.2	7.5	7.5	18.6		6		-				-		-	
						3.7	0.1	232	23.7		8.2		32.3		106.1		7.5		18.5		7		-				-		-	
SR7	Cloudy	Moderate	19:24	14.4	Surface	1.0	0.0	116	23.9	23.9	7.9	7.9	33.2	33.2	96.7	96.7	6.7	6.8	8.3	8.3	10	10	-	-	823628	823718	-	-	-	-
						1.0	0.0	117	23.9		7.9		33.2		96.6		6.7		8.3		9		-				-		-	
					Middle	7.2	0.1	184	23.9	23.9	7.9	7.9	33.2	33.2	96.8	96.9	6.8		7.3		11		-				-		-	
						7.2	0.1	195	23.9		7.9		33.2		96.9		6.8		6.7		10		-				-		-	
					Bottom	13.4	0.1	76	23.9	23.9	7.9	7.9	33.2	33.2	97.0	97.1	6.8	6.8	9.9		10		-				-		-	
						13.4	0.1	78	23.9		7.9		33.2		97.1		6.8		9.5		11		-				-		-	
SR8	Cloudy	Moderate	17:45	4.4	Surface	1.0	-	-	23.7	23.7	8.0	8.0	32.7	32.7	110.4	110.4	7.8	7.8	7.9	9.5	11	10	-	-	820404	811610	-	-	-	-
						1.0	-	-	23.7		8.0		32.7		110.3		7.8		8.0		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	23.6	23.6	8.0	8.0	32.7	32.7	108.8	108.8	7.7	7.7	11.1		9		-				-		-	
						3.4	-	-	23.6		8.0		32.7		108.8		7.7		11.1		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 17 November 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	13:52	8.6	Surface	1.0	2.2	130	23.6	23.6	8.3	8.3	30.8	30.8	100.0	99.8	7.1	7.0	6.2	8.1	6	8	86	88	815629	804233	<0.2	<0.2	0.7	0.7
						1.0	2.3	130	23.5		8.3		30.8		99.6		7.1		6.3		7		86				<0.2		0.7	
					Middle	4.3	2.0	127	23.2	23.2	8.3	8.3	31.6	31.6	97.0	96.9	6.9		6.9		8		87				<0.2		0.7	
						4.3	2.0	127	23.2		8.3		31.7		96.8		6.9		7.5		9		88				<0.2		0.7	
					Bottom	7.6	2.0	131	23.2	23.2	8.3	8.3	32.0	32.0	96.5	96.7	6.9	6.9	10.6		8		89				<0.2		0.7	
						7.6	2.0	135	23.2		8.3		32.0		96.8		6.9		11.1		9		89				<0.2		0.7	
C2	Fine	Moderate	12:51	13.0	Surface	1.0	0.2	348	23.9	23.9	8.0	8.0	31.2	31.2	100.5	100.5	7.1	7.1	6.0	7.4	7	7	88	89	825691	806947	<0.2	<0.2	0.7	0.7
						1.0	0.2	348	23.9		8.0		31.2		100.5		7.1		6.0		7		87				<0.2		0.8	
					Middle	6.5	0.2	13	23.9	23.9	8.0	8.0	31.3	31.3	100.5	100.4	7.1		6.7		7		89				<0.2		0.8	
						6.5	0.2	13	23.9		8.0		31.3		100.3		7.1		6.7		7		89				<0.2		0.7	
					Bottom	12.0	0.3	48	23.9	23.9	8.0	8.0	31.5	31.5	100.4	100.5	7.1	7.1	9.4		7		91				<0.2		0.7	
						12.0	0.3	49	23.9		8.0		31.5		100.5		7.1		9.4		6		91				<0.2		0.6	
C3	Fine	Moderate	14:42	12.1	Surface	1.0	0.3	72	23.9	23.9	8.0	8.0	32.6	32.6	98.5	98.6	6.9	6.9	3.1	5.2	5	4	88	90	822105	817785	<0.2	<0.2	0.8	0.9
						1.0	0.3	79	23.9		8.0		32.6		98.6		6.9		3.1		5		88				<0.2		1.0	
					Middle	6.1	0.3	85	23.8	23.8	8.0	8.0	32.7	32.7	96.4	96.5	6.8		5.4		4		90				<0.2		0.8	
						6.1	0.3	92	23.8		8.0		32.7		96.5		6.8		5.5		4		90				<0.2		0.8	
					Bottom	11.1	0.5	101	23.7	23.7	8.0	8.0	32.8	32.8	94.5	94.5	6.6	6.6	7.1		4		92				<0.2		0.8	
						11.1	0.5	105	23.7		8.0		32.8		94.4		6.6		7.1		4		92				<0.2		0.9	
IM1	Cloudy	Moderate	13:33	5.0	Surface	1.0	0.1	174	23.6	23.6	8.3	8.3	31.6	31.6	101.2	101.1	7.2	7.2	7.1	9.1	11	11	87	88	817925	807133	<0.2	<0.2	0.6	0.6
						1.0	0.1	189	23.6		8.3		31.6		101.0		7.2		7.6		10		88				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	185	23.5	23.5	8.3	8.3	31.7	31.7	97.5	97.8	6.9	6.9	10.8		10		89				<0.2		0.6	
						4.0	0.1	194	23.5		8.3		31.7		98.0		6.9		11.0		11		89				<0.2		0.6	
IM2	Cloudy	Moderate	13:26	6.8	Surface	1.0	2.7	287	23.7	23.7	8.3	8.3	31.3	31.3	101.1	101.0	7.2	7.1	7.6	9.6	10	11	85	87	818180	806176	<0.2	<0.2	0.7	0.6
						1.0	2.9	302	23.7		8.3		31.3		100.9		7.1		7.9		11		86				<0.2		0.6	
					Middle	3.4	2.6	288	23.5	23.5	8.3	8.3	31.4	31.4	99.2	99.1	7.0		7.5		11		87				<0.2		0.6	
						3.4	2.9	294	23.5		8.3		31.4		98.9		7.0		7.9		11		88				<0.2		0.6	
					Bottom	5.8	2.8	287	23.4	23.4	8.3	8.3	31.5	31.5	98.4	98.5	7.0	7.0	13.3		11		89				<0.2		0.6	
						5.8	3.0	299	23.4		8.3		31.5		98.6		7.0		13.7		12		89				<0.2		0.6	
IM3	Cloudy	Moderate	13:20	7.1	Surface	1.0	2.7	321	23.7	23.7	8.3	8.3	31.4	31.4	100.8	100.8	7.1	7.1	6.5	8.4	8	8	86	88	818771	805579	<0.2	<0.2	0.6	0.6
						1.0	2.8	349	23.7		8.3		31.4		100.7		7.1		6.6		8		87				<0.2		0.6	
					Middle	3.6	2.7	324	23.6	23.6	8.3	8.3	31.4	31.4	99.8	99.7	7.1		7.0		8		88				<0.2		0.6	
						3.6	2.9	348	23.6		8.3		31.4		99.6		7.1		7.1		7		88				<0.2		0.6	
					Bottom	6.1	2.6	326	23.4	23.4	8.3	8.3	31.5	31.5	97.7	97.8	6.9	6.9	11.7		7		90				<0.2		0.6	
						6.1	2.6	345	23.4		8.3		31.5		97.8		6.9		11.6		7		90				<0.2		0.8	
IM4	Cloudy	Moderate	13:10	8.0	Surface	1.0	1.8	349	23.4	23.4	8.3	8.3	31.4	31.4	98.0	98.0	7.0	7.0	8.9	8.9	10	8	85	88	819711	804607	<0.2	<0.2	0.8	0.7
						1.0	1.9	321	23.4		8.3		31.4		98.0		7.0				10		87				<0.2		0.8	
					Middle	4.0	2.3	352	23.4	23.4	8.3	8.3	31.4	31.4	98.1	98.2	7.0		8.7		9		87				<0.2		0.7	
						4.0	2.5	357	23.4		8.3		31.4		98.2		7.0		8.7		9		88				<0.2		0.8	
					Bottom	7.0	2.3	352	23.5	23.5	8.3	8.3	31.3	31.3	98.4	98.5	7.0	7.0	9.0		6		90				<0.2		0.6	
						7.0	2.4	324	23.5		8.3		31.3		98.5		7.0		9.0		6		89				<0.2		0.7	
IM5	Cloudy	Moderate	13:03	7.7	Surface	1.0	2.0	277	23.6	23.6	8.3	8.3	31.3	31.3	100.3	100.3	7.1	7.1	8.2	11.3	6	6	86	87	820720	804843	<0.2	<0.2	0.8	0.8
						1.0	2.1	288	23.6		8.3		31.3		100.2		7.1		8.5		7		85				<0.2		0.7	
					Middle	3.9	2.5	279	23.6	23.6	8.3	8.3	31.3	31.3	99.6	99.6	7.1		10.7		6		87				<0.2		0.8	
						3.9	2.6	295	23.6		8.3		31.3		99.5		7.1		11.1		5		88				<0.2		0.9	
					Bottom	6.7	2.7	283	23.6	23.6	8.3	8.3	31.3	31.3	99.9	100.0	7.1	7.1	14.5		5		89				<0.2		0.8	
						6.7	2.8	303	23.6		8.3		31.3		100.0		7.1		14.9		6		89				<0.2		0.7	
IM6	Cloudy	Moderate	12:55	7.3	Surface	1.0	2.7	235	23.7	23.7	8.3	8.3	31.0	31.0	101.1	101.1	7.2	7.2	4.0	5.4	6	7	85	87	821042	805847	<0.2	<0.2	0.7	0.8
						1.0	2.9	253	23.7		8.3		31.0		101.0		7.2		4.0		5		86				<0.2		0.7	
					Middle	3.7	3.1	242	23.7	23.7	8.3	8.3	31.1	31.1	100.3	100.3	7.1		5.2		7		87				<0.2		0.8	
						3.7	3.2	251	23.7		8.3		31.1		100.3		7.1		5.6		8		87				<0.2		0.8	
					Bottom	6.3	3.0	231	23.7	23.7	8.3	8.3	31.2	31.2	100.5	100.6	7.1	7.1	7.0		8		89				<0.2		0.8	
						6.3	3.2	240	23.7		8.3		31.2		100.6		7.1		6.9		7		89				<0.2		0.8	
IM7	Cloudy	Moderate	12:50	8.2	Surface	1.0	1.9	38	23.8	23.8	8.3	8.3	31.0	31.0	101.6	101.6	7.2	7.2	4.1	6.0	8	8	87	88	821358	806820	<0.2	<0.2	0.8	0.9
						1.0	1.9	41	23.8		8.3		31.0		101.6		7.2		4.1		8		86				<0.2		0.8	
					Middle	4.1	1.9	40	23.6	23.6	8.3	8.3	31.2	31.3	99.7	99.7	7.1		6.3		8		88				<0.2		0.9	
						4.1	2.0	41	23.6		8.3		31.3		99.6		7.1		6.5		8		88				<0.2		0.9	
					Bottom	7.2	1.7	40	23.5	23.5	8.3	8.3	31.4	31.4	99.4	99.4	7.1	7.1	7.7		7		89				<0.2		0.9	
						7.2	1.7	42	23.5		8.3		31.4		99.4		7.1		7.6		8		89				<0.2		1.0	
IM8	Fine	Moderate	13:17	7.9	Surface	1.0	0.3	88	23.9	23.9	8.0	8.0	31.5	31.5	101.0	101.0	7.1	7.1	7.5	9.9	6	6	87	89	821816	808136	<0.2	<0.2	0.8	0.7
						1.0	0.3	89	23.9		8.0		31.5		100.9		7.1		7.6		6		86				<0.2		0.8	
					Middle	4.0	0.3	75	23.6	23.6	8.0	8.0	31.7	31.7	99.6	99.7	7.0		9.2		6		89				<0.2		0.8	
						4.0	0.3	81	23.6		8.0		31.7		99.7		7.0		9.3		7		89				<0.2		0.7	
					Bottom	6.9	0.3	61	23.5	23.5	8.0	8.0	32.0	32.0	99.5	99.5	7.0	7.0	12.9		6		90				<0.2		0.6	
						6.9	0.3	66	23.5		8.0		32.0		99.5		7.0		12.8		6		91				<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 17 November 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	13:23	7.2	Surface	1.0	0.4	56	23.8	23.8	8.0	8.0	31.5	31.5	102.1	102.1	7.2	7.2	7.3	9.8	6	6	87	89	822106	808825	<0.2	<0.2	0.8	0.8
						1.0	0.4	58	23.8		8.0		31.5		102.1		7.2		7.4		7		86				<0.2		0.6	
					Middle	3.6	0.4	71	23.8	23.8	8.0	8.0	31.6	31.6	100.7	100.7	7.1		9.4		6		88				<0.2		0.8	
						3.6	0.4	73	23.8		8.0		31.6		100.7		7.1		9.5		6		89				<0.2		0.9	
					Bottom	6.2	0.4	65	23.6	23.6	8.0	8.0	31.9	31.9	100.1	100.1	7.1	7.1	12.5		5		91				<0.2		0.7	
						6.2	0.4	70	23.6		8.0		31.9		100.0		7.1		12.7		6		91				<0.2		0.7	
IM10	Fine	Moderate	13:31	8.2	Surface	1.0	0.4	86	23.9	23.9	8.0	8.0	31.4	31.4	101.6	101.7	7.2	7.1	7.4	10.3	6	6	86	89	822382	809772	<0.2	<0.2	0.7	0.7
						1.0	0.4	92	23.9		8.0		31.4		101.7		7.2		7.5		6		87				<0.2		0.7	
					Middle	4.1	0.4	88	23.8	23.8	8.0	8.0	31.5	31.5	99.8	99.8	7.0		10.3		6		89				<0.2		0.6	
						4.1	0.5	96	23.8		8.0		31.5		99.7		7.0		10.5		6		89				<0.2		0.6	
					Bottom	7.2	0.3	91	23.5	23.5	8.0	8.0	32.0	32.0	98.2	98.2	7.0	7.0	12.8		6		91				<0.2		0.8	
						7.2	0.3	95	23.5		8.0		32.0		98.2		7.0		13.2		6		92				<0.2		0.8	
IM11	Fine	Moderate	13:42	8.0	Surface	1.0	0.4	98	23.8	23.8	8.0	8.0	32.1	32.1	101.4	101.4	7.1	7.1	3.9	5.6	6	7	87	89	822052	811478	<0.2	<0.2	0.8	0.8
						1.0	0.4	99	23.8		8.0		32.1		101.4		7.1		3.9		8		87				<0.2		0.8	
					Middle	4.0	0.4	107	23.6	23.6	8.0	8.0	32.1	32.1	99.8	99.8	7.0		5.1		7		88				<0.2		0.8	
						4.0	0.4	110	23.6		8.0		32.1		99.8		7.0		5.1		7		89				<0.2		0.8	
					Bottom	7.0	0.3	109	23.6	23.6	8.0	8.0	32.1	32.1	99.7	99.7	7.0	7.0	7.6		6		91				<0.2		0.9	
						7.0	0.3	110	23.6		8.0		32.1		99.7		7.0		7.9		7		91				<0.2		0.8	
IM12	Fine	Moderate	13:48	9.8	Surface	1.0	0.2	98	23.8	23.8	8.0	8.0	32.1	32.1	101.9	101.9	7.2	7.2	4.6	6.7	7	7	87	89	821444	812067	<0.2	<0.2	0.8	0.9
						1.0	0.3	104	23.8		8.0		32.1		101.8		7.2		4.6		7		87				<0.2		0.9	
					Middle	4.9	0.3	108	23.7	23.7	8.0	8.0	32.2	32.2	100.5	100.5	7.1		5.6		7		88				<0.2		0.9	
						4.9	0.3	113	23.7		8.0		32.2		100.4		7.1		5.7		7		88				<0.2		0.9	
					Bottom	8.8	0.3	98	23.7	23.7	8.0	8.0	32.2	32.2	100.2	100.2	7.1	7.1	9.8		6		91				<0.2		0.7	
						8.8	0.3	106	23.7		8.0		32.2		100.2		7.1		9.7		7		91				<0.2		0.9	
SR1A	Fine	Moderate	14:08	5.3	Surface	1.0	-	-	23.7	23.7	8.0	8.0	32.3	32.3	100.4	100.4	7.1	7.1	4.5	4.7	5	6	-	-	819981	812665	-	-	-	-
						1.0	-	-	23.7		8.0		32.3		100.4		7.1		4.5		6		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	23.6	23.6	8.0	8.0	32.4	32.4	99.1	99.1	7.0	7.0	5.0		7		-				-		-	
						4.3	-	-	23.6		8.0		32.4		99.0		7.0		4.9		7		-				-		-	
SR2	Fine	Moderate	14:22	4.7	Surface	1.0	0.3	74	23.9	23.9	8.1	8.1	32.2	32.2	103.2	103.2	7.2	7.2	3.2	3.6	6	6	88	90	821448	814186	<0.2	<0.2	0.8	0.8
						1.0	0.3	79	23.9		8.1		32.2		103.2		7.2		3.2		5		89				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	73	23.8	23.8	8.1	8.1	32.3	32.3	101.4	101.4	7.1	7.1	4.1		6		91				<0.2		0.7	
						3.7	0.3	78	23.8		8.1		32.3		101.4		7.1		3.9		5		90				<0.2		0.9	
SR3	Fine	Moderate	13:10	9.4	Surface	1.0	0.2	153	23.9	23.9	8.0	8.0	31.2	31.2	99.4	99.3	7.0	7.0	5.2	7.4	6	7	-	-	822126	807557	-	-	-	-
						1.0	0.2	156	23.9		8.0		31.2		99.2		7.0		5.3		7		-				-		-	
					Middle	4.7	0.2	145	23.7	23.7	8.0	8.0	31.5	31.5	98.5	98.6	7.0		7.0		7		-				-		-	
						4.7	0.3	154	23.7		8.0		31.5		98.6		7.0		7.1		7		-				-		-	
					Bottom	8.4	0.2	123	23.5	23.5	8.0	8.0	31.8	31.8	97.8	97.8	6.9	6.9	9.8		8		-				-		-	
						8.4	0.2	127	23.5		8.0		31.8		97.8		6.9		9.7		7		-				-		-	
SR4A	Cloudy	Moderate	14:14	8.7	Surface	1.0	2.0	8	23.6	23.6	8.3	8.3	31.4	31.4	99.6	99.5	7.1	7.1	7.4	9.0	10	10	-	-	817187	807793	-	-	-	-
						1.0	2.0	8	23.6		8.3		31.4		99.4		7.1		7.5		9		-				-		-	
					Middle	4.4	2.1	11	23.5	23.5	8.3	8.3	31.4	31.4	98.3	98.3	7.0		9.3		10		-				-		-	
						4.4	2.2	11	23.5		8.3		31.4		98.3		7.0		9.3		9		-				-		-	
					Bottom	7.7	2.2	6	23.5	23.5	8.3	8.3	31.4	31.4	98.5	98.6	7.0	7.0	10.2		10		-				-		-	
						7.7	2.4	6	23.5		8.3		31.4		98.6		7.0		10.2		10		-				-		-	
SR5A	Cloudy	Moderate	14:31	3.3	Surface	1.0	0.1	17	23.7	23.7	8.3	8.3	31.7	31.7	99.8	99.8	7.0	7.0	10.0	10.8	7	8	-	-	816603	810673	-	-	-	-
						1.0	0.1	18	23.7		8.3		31.7		99.8		7.0		10.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.1	5	23.8	23.8	8.3	8.3	31.7	31.7	100.4	100.4	7.1	7.1	11.7		8		-				-		-	
						2.3	0.1	5	23.8		8.3		31.7		100.4		7.1		11.5		7		-				-		-	
SR6A	Cloudy	Moderate	15:11	4.1	Surface	1.0	0.0	54	23.9	23.9	8.4	8.4	31.7	31.7	101.3	101.3	7.1	7.1	6.5	7.0	9	9	-	-	817961	814735	-	-	-	-
						1.0	0.0	55	23.9		8.4		31.7		101.2		7.1		6.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	76	23.9	23.9	8.4	8.4	31.7	31.7	101.2	101.4	7.1	7.1	7.6		9		-				-		-	
						3.1	0.0	83	23.9		8.4		31.7		101.5		7.1		7.4		10		-				-		-	
SR7	Fine	Moderate	15:11	15.6	Surface	1.0	0.3	72	23.7	23.7	8.0	8.0	32.8	32.8	95.3	95.3	6.7	6.7	4.1	5.1	4	4	-	-	823640	823738	-	-	-	-
						1.0	0.3	74	23.7		8.0		32.8		95.2		6.7		4.1		5		-				-		-	
					Middle	7.8	0.3	51	23.7	23.7	8.0	8.0	32.8	32.8	95.5	95.6	6.7		5.2		4		-				-		-	
						7.8	0.3	54	23.7		8.0		32.8		95.6		6.7		5.3		4		-				-		-	
					Bottom	14.6	0.2	25	23.7	23.7	8.0	8.0	32.8	32.8	95.1	95.2	6.7	6.7	5.9		4		-				-		-	
						14.6	0.2	26	23.7		8.0		32.8		95.2		6.7		5.9		4		-				-		-	
SR8	Fine	Moderate	13:59	4.9	Surface	1.0	-	-	23.8	23.8	8.0	8.0	32.2	32.2	101.4	101.5	7.1	7.1	7.7	7.5	7	8	-	-	820380	811612	-	-	-	-
						1.0	-	-	23.8		8.0		32.2		101.5		7.1		7.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	23.6	23.6	8.0	8.0	32.2	32.2	100.2	100.2	7.1	7.1	7.2		8		-				-		-	
						3.9	-	-	23.6		8.0		32.2		100.2		7.1		7.2		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 November 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	09:46	8.0	Surface	1.0	2.4	31	23.2	23.2	8.3	8.3	31.0	31.1	97.0	97.0	6.9	6.9	7.9	10.4	14	14	84	87	815618	804238	<0.2	<0.2	0.8	0.8
						1.0	2.4	31	23.2		8.3		31.1		97.0		6.9		8.0		14		86						0.9	
					Middle	4.0	2.5	31	23.2	23.2	8.3	8.3	31.5	31.5	96.8	96.8	6.9		10.8		14		87				<0.2		1.0	
						4.0	2.5	31	23.2		8.3		31.5		96.8		6.9		10.8		14		87				<0.2		0.8	
					Bottom	7.0	2.4	33	23.2	23.2	8.3	8.3	31.6	31.6	97.3	97.4	6.9	6.9	13.0		14		89				<0.2		0.7	
						7.0	2.6	33	23.2		8.3		31.6		97.4		6.9		12.1		13		89				<0.2		0.8	
C2	Sunny	Moderate	10:10	12.1	Surface	1.0	0.5	328	23.8	23.8	8.1	8.1	30.9	30.9	99.6	99.6	7.1	7.0	5.9	7.4	8	7	88	90	825705	806928	<0.2	<0.2	0.8	0.8
						1.0	0.5	353	23.8		8.1		30.9		99.6		7.1		5.9		6		87				<0.2		0.8	
					Middle	6.1	0.4	345	23.7	23.7	8.1	8.1	31.0	31.0	98.1	98.1	7.0		7.1		7		90				<0.2		0.7	
						6.1	0.4	353	23.7		8.1		31.0		98.1		6.9		7.4		7		90				<0.2		0.8	
					Bottom	11.1	0.3	21	23.5	23.5	8.1	8.1	31.6	31.6	97.9	97.9	6.9	6.9	9.1		7		92				<0.2		0.8	
						11.1	0.4	22	23.6		8.1		31.6		97.9		6.9		8.9		7		91				<0.2		0.7	
C3	Cloudy	Moderate	08:20	11.2	Surface	1.0	0.4	239	23.6	23.6	8.1	8.1	32.2	32.2	99.6	99.6	7.0	7.0	6.0	8.9	5	6	88	90	822111	817785	<0.2	<0.2	0.7	0.7
						1.0	0.4	245	23.6		8.1		32.2		99.6		7.0		6.1		6		88				<0.2		0.7	
					Middle	5.6	0.4	245	23.6	23.6	8.1	8.1	32.2	32.2	99.2	99.2	7.0		9.0		6		90				<0.2		0.6	
						5.6	0.5	251	23.6		8.1		32.2		99.2		7.0		9.2		6		90				<0.2		0.8	
					Bottom	10.2	0.4	255	23.6	23.6	8.1	8.1	32.3	32.3	98.8	98.8	7.0	7.0	11.6		6		92				<0.2		0.6	
						10.2	0.4	270	23.6		8.1		32.3		98.7		7.0		11.5		7		93				<0.2		0.7	
IM1	Cloudy	Moderate	10:05	4.7	Surface	1.0	0.2	353	23.3	23.3	8.3	8.3	31.5	31.5	97.1	97.0	6.9	6.9	15.4	16.0	13	16	85	87	817930	807112	<0.2	<0.2	0.8	1.0
						1.0	0.2	325	23.3		8.3		31.5		96.9		6.9		16.0		14		87				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	358	23.3	23.3	8.3	8.3	31.5	31.5	96.5	96.5	6.9	6.9	16.3		18		89				<0.2		1.0	
						3.7	0.2	329	23.3		8.3		31.5		96.5		6.9		16.3		18		88				<0.2		1.2	
IM2	Cloudy	Moderate	10:13	6.7	Surface	1.0	1.7	4	23.5	23.5	8.3	8.3	31.2	31.2	99.8	99.8	7.1	7.1	14.6	15.2	14	15	86	88	818166	806161	<0.2	<0.2	0.6	0.8
						1.0	1.7	4	23.5		8.3		31.2		99.8		7.1		15.1		14		87				<0.2		0.6	
					Middle	3.4	1.7	357	23.5	23.5	8.3	8.3	31.3	31.3	99.8	99.9	7.1		15.4		14		87				<0.2		0.8	
						3.4	1.8	328	23.5		8.3		31.3		99.9		7.1		15.8		15		88				<0.2		0.9	
					Bottom	5.7	1.8	358	23.5	23.6	8.3	8.3	31.3	31.3	100.4	100.5	7.1	7.1	15.0		16		89				<0.2		0.9	
						5.7	1.9	329	23.6		8.3		31.3		100.6		7.1		15.2		17		89				<0.2		0.8	
IM3	Cloudy	Moderate	10:19	7.0	Surface	1.0	2.7	28	23.5	23.5	8.3	8.3	31.2	31.2	99.2	99.2	7.0	7.0	17.5	17.3	16	18	85	87	818790	805617	<0.2	<0.2	0.6	0.7
						1.0	3.0	28	23.5		8.3		31.2		99.2		7.0		17.8		18		86				<0.2		0.7	
					Middle	3.5	2.8	29	23.5	23.5	8.3	8.3	31.3	31.3	99.2	99.2	7.0		16.8		18		87				<0.2		0.8	
						3.5	2.8	29	23.5		8.3		31.3		99.2		7.1		16.2		17		87				<0.2		0.7	
					Bottom	6.0	2.6	28	23.5	23.5	8.3	8.3	31.3	31.3	99.8	100.0	7.1	7.1	17.7		21		89				<0.2		0.7	
						6.0	2.8	29	23.5		8.3		31.3		100.1		7.1		17.6		20		89				<0.2		0.7	
IM4	Cloudy	Moderate	10:27	7.2	Surface	1.0	3.0	40	23.5	23.5	8.3	8.3	31.1	31.1	98.7	98.7	7.0	7.0	10.7	11.2	21	16	86	87	819725	804595	<0.2	<0.2	0.6	0.7
						1.0	3.1	40	23.5		8.3		31.1		98.6		7.0		10.8		21		85				<0.2		0.7	
					Middle	3.6	2.9	39	23.5	23.5	8.3	8.3	31.1	31.1	98.6	98.7	7.0		10.1		18		87				<0.2		0.6	
						3.6	3.0	41	23.5		8.3		31.1		98.7		7.0		10.5		17		87				<0.2		0.7	
					Bottom	6.2	3.0	43	23.5	23.5	8.3	8.3	31.1	31.1	99.2	99.3	7.1	7.1	12.8		10		89				<0.2		0.7	
						6.2	3.2	43	23.5		8.3		31.1		99.4		7.1		12.3		11		87				<0.2		0.8	
IM5	Cloudy	Moderate	10:33	6.5	Surface	1.0	2.5	266	23.6	23.6	8.3	8.3	31.3	31.3	99.5	99.5	7.1	7.1	11.4	11.0	11	11	87	88	820747	804881	<0.2	<0.2	0.8	0.8
						1.0	2.5	292	23.6		8.3		31.3		99.5		7.1		11.9		11		87				<0.2		0.7	
					Middle	3.3	2.3	267	23.6	23.6	8.3	8.3	31.3	31.3	99.7	99.7	7.1		11.3		11		87				<0.2		0.8	
						3.3	2.3	268	23.6		8.3		31.3		99.7		7.1		11.1		12		88				<0.2		0.9	
					Bottom	5.5	2.5	263	23.6	23.6	8.3	8.3	31.3	31.2	100.6	100.8	7.1	7.2	10.1		12		90				<0.2		0.9	
						5.5	2.7	266	23.6		8.3		31.2		101.0		7.2		10.3		11		89				<0.2		0.8	
IM6	Cloudy	Moderate	10:41	7.2	Surface	1.0	2.6	265	23.7	23.7	8.3	8.3	31.0	31.0	100.9	100.9	7.2	7.2	5.0	9.3	9	10	86	87	821057	805838	<0.2	<0.2	0.8	0.9
						1.0	2.7	279	23.7		8.3		31.0		100.8		7.2		5.1		9		85				<0.2		0.8	
					Middle	3.6	2.7	266	23.6	23.6	8.3	8.3	31.1	31.1	100.3	100.3	7.1		6.8		9		87				<0.2		0.8	
						3.6	2.8	268	23.6		8.3		31.1		100.3		7.1		7.1		9		87				<0.2		0.9	
					Bottom	6.2	2.9	268	23.5	23.5	8.3	8.3	31.2	31.2	101.0	101.1	7.2	7.2	15.5		10		89				<0.2		0.9	
						6.2	3.0	292	23.5		8.3		31.2		101.2		7.2		16.0		11		89				<0.2		0.9	
IM7	Cloudy	Moderate	10:48	8.2	Surface	1.0	2.7	248	23.7	23.7	8.3	8.3	30.8	30.8	100.4	100.4	7.1	7.1	5.8	7.5	10	11	85	87	821327	806852	<0.2	<0.2	0.9	0.9
						1.0	2.7	269	23.7		8.3		30.8		100.4		7.1		5.9		11		86				<0.2		0.9	
					Middle	4.1	2.8	248	23.6	23.6	8.3	8.3	31.0	31.0	100.0	100.0	7.1		7.1		11		87				<0.2		0.8	
						4.1	3.0	256	23.6		8.3		31.1		100.0		7.1		7.1		11		87				<0.2		0.8	
					Bottom	7.2	2.4	248	23.5	23.5	8.3	8.3	31.3	31.3	99.8	99.9	7.1	7.1	9.7		10		89				<0.2		0.9	
						7.2	2.7	265	23.5		8.3		31.3		100.0		7.1		9.6		11		89				<0.2		0.8	
IM8	Cloudy	Moderate	09:44	7.7	Surface	1.0	0.1	78	23.7	23.7	8.1	8.1	31.0	31.0	98.7	98.7	7.0	7.0	7.8	9.3	24	23	86	88	821817	808117	<0.2	<0.2	0.7	0.7
						1.0	0.1	81	23.7		8.1		31.0		98.6		7.0		7.8		23		87				<0.2		0.8	
					Middle	3.9	0.1	90	23.7	23.7	8.1	8.1	31.1	31.1	97.8	97.9	6.9		8.5		22		88				<0.2		0.7	
						3.9	0.1	96	23.7		8.1		31.1		97.9		6.9		8.6		23		88				<0.2		0.8	
					Bottom	6.7	0.1	83	23.7	23.7	8.1	8.1	31.3	31.3	97.8	97.9	6.9	6.9	11.6		23		90				<0.2		0.7	
						6.7	0.1	87	23.7		8.1		31.3		98.0		6.9		11.6		22		89				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 November 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	09:38	7.1	Surface	1.0	0.2	146	23.6	23.6	8.1	8.1	31.6	31.6	97.9	98.0	6.9	6.9	10.1	11.1	20	23	87	88	822099	808826	<0.2	<0.2	0.8	0.8
						1.0	0.2	157	23.6		8.1		31.6		98.1		6.9		10.1		19		87				<0.2		0.8	
					Middle	3.6	0.2	150	23.6	23.6	8.1	8.1	31.6	31.6	97.6	97.6	6.9		11.8		24		88				<0.2		0.7	
						3.6	0.2	158	23.6		8.1		31.6		97.5		6.9		11.2		25		88				<0.2		0.7	
					Bottom	6.1	0.2	127	23.6	23.6	8.1	8.1	31.6	31.6	97.6	97.6	6.9	6.9	11.7		24		90				<0.2		0.8	
						6.1	0.2	137	23.6		8.1		31.6		97.6		6.9		11.8		24		90				<0.2		0.8	
IM10	Cloudy	Moderate	09:31	7.2	Surface	1.0	0.5	301	23.5	23.5	8.1	8.1	32.0	32.0	98.2	98.1	6.9	6.9	13.1	15.7	18	19	87	88	822369	809816	<0.2	<0.2	0.8	0.8
						1.0	0.6	308	23.5		8.1		32.0		98.0		6.9		12.8		18		87				<0.2		0.8	
					Middle	3.6	0.5	299	23.5	23.5	8.1	8.1	32.0	32.0	97.6	97.6	6.9		15.1		18		88				<0.2		0.7	
						3.6	0.5	308	23.5		8.1		32.0		97.6		6.9		14.9		19		88				<0.2		0.7	
					Bottom	6.2	0.5	302	23.5	23.5	8.1	8.1	32.0	32.0	97.6	97.6	6.9	6.9	18.9		21		90				<0.2		0.7	
						6.2	0.5	325	23.5		8.1		32.0		97.6		6.9		19.2		20		90				<0.2		0.8	
IM11	Cloudy	Moderate	09:20	7.8	Surface	1.0	0.5	288	23.5	23.5	8.1	8.1	32.1	32.1	98.9	98.9	7.0	7.0	12.5	14.3	15	16	87	89	822047	811463	<0.2	<0.2	0.6	0.7
						1.0	0.5	300	23.5		8.1		32.1		98.9		7.0		12.6		16		88				<0.2		0.7	
					Middle	3.9	0.4	295	23.5	23.5	8.1	8.1	32.2	32.2	98.9	98.9	7.0		14.1		17		88				<0.2		0.7	
						3.9	0.4	298	23.5		8.1		32.2		98.8		7.0		14.2		16		89				<0.2		0.7	
					Bottom	6.8	0.3	306	23.5	23.5	8.1	8.1	32.2	32.2	98.7	98.8	7.0	7.0	16.2		17		90				<0.2		0.8	
						6.8	0.4	329	23.5		8.1		32.2		98.8		7.0		15.9		16		90				<0.2		0.7	
IM12	Cloudy	Moderate	09:14	7.7	Surface	1.0	0.6	283	23.5	23.5	8.1	8.1	32.2	32.2	99.1	99.2	7.0	7.0	14.2	17.4	9	12	87	89	821468	812059	<0.2	<0.2	0.8	0.7
						1.0	0.6	291	23.5		8.1		32.2		99.2		7.0		14.4		10		87				<0.2		0.7	
					Middle	3.9	0.5	284	23.5	23.5	8.1	8.1	32.2	32.2	99.0	99.0	7.0		17.0		13		89				<0.2		0.8	
						3.9	0.6	285	23.5		8.1		32.2		99.0		7.0		17.3		12		89				<0.2		0.7	
					Bottom	6.7	0.4	270	23.5	23.5	8.1	8.1	32.2	32.2	98.5	98.5	7.0	7.0	20.8		13		91				<0.2		0.8	
						6.7	0.4	273	23.5		8.1		32.2		98.4		7.0		20.6		12		90				<0.2		0.6	
SR1A	Cloudy	Calm	08:52	5.1	Surface	1.0	-	-	23.4	23.4	8.1	8.1	32.4	32.4	95.5	95.5	6.8	6.8	12.7	14.3	14	14	-	-	819982	812656	-	-	-	-
						1.0	-	-	23.4		8.1		32.4		95.5		6.7		12.9		13		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	23.4	23.4	8.1	8.1	32.4	32.4	95.2	95.2	6.7	6.7	15.5		14		-				-		-	
						4.1	-	-	23.4		8.1		32.4		95.2		6.7		15.9		13		-				-		-	
SR2	Cloudy	Moderate	08:40	4.3	Surface	1.0	0.2	93	23.5	23.5	8.1	8.1	32.1	32.1	98.6	98.7	7.0	7.0	9.3	11.2	11	9	89	90	821454	814151	<0.2	<0.2	0.7	0.7
						1.0	0.2	93	23.5		8.1		32.1		98.7		7.0		9.7		10		89				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	89	23.5	23.5	8.1	8.1	32.1	32.1	98.3	98.3	7.0	7.0	12.8		8		91				<0.2		0.7	
						3.3	0.2	94	23.5		8.1		32.1		98.3		7.0		12.9		7		91				<0.2		0.6	
SR3	Cloudy	Moderate	09:50	9.0	Surface	1.0	0.1	351	23.7	23.7	8.1	8.1	30.9	30.9	99.4	99.4	7.0	7.0	7.9	10.6	16	15	-	-	822152	807563	-	-	-	-
						1.0	0.2	323	23.7		8.1		30.9		99.3		7.0		8.0		15		-				-		-	
					Middle	4.5	0.2	36	23.7	23.7	8.1	8.1	31.0	31.0	98.5	98.6	7.0		9.8		15		-				-		-	
						4.5	0.2	36	23.7		8.1		31.0		98.6		7.0		10.0		14		-				-		-	
					Bottom	8.0	0.2	44	23.7	23.7	8.1	8.1	31.0	31.0	98.3	98.3	7.0	7.0	13.9		15		-				-		-	
						8.0	0.2	44	23.7		8.1		31.0		98.2		7.0		13.9		14		-				-		-	
SR4A	Cloudy	Moderate	09:22	8.7	Surface	1.0	1.3	102	23.2	23.2	8.3	8.3	31.5	31.5	97.3	97.3	6.9	6.9	13.2	13.8	23	22	-	-	817182	807812	-	-	-	-
						1.0	1.4	109	23.2		8.3		31.5		97.2		6.9		13.3		24		-				-		-	
					Middle	4.4	1.3	105	23.2	23.2	8.3	8.3	31.6	31.6	96.2	96.2	6.9		13.8		24		-				-		-	
						4.4	1.4	113	23.2		8.3		31.6		96.1		6.9		13.4		24		-				-		-	
					Bottom	7.7	1.1	113	23.1	23.1	8.3	8.3	31.7	31.7	95.9	95.9	6.8	6.8	15.0		17		-				-		-	
						7.7	1.3	118	23.1		8.3		31.7		95.9		6.8		14.2		18		-				-		-	
SR5A	Cloudy	Moderate	09:03	3.1	Surface	1.0	0.1	73	23.4	23.4	8.3	8.3	31.9	31.9	97.8	97.8	6.9	6.9	9.7	9.2	14	16	-	-	816614	810711	-	-	-	-
						1.0	0.1	78	23.4		8.3		31.9		97.8		6.9		9.7		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.1	0.1	98	23.4	23.4	8.3	8.3	31.9	31.9	97.9	97.9	6.9	6.9	8.7		17		-				-		-	
						2.1	0.1	98	23.4		8.3		31.9		97.9		6.9		8.8		18		-				-		-	
SR6A	Cloudy	Moderate	08:34	4.9	Surface	1.0	0.1	214	23.5	23.5	8.2	8.2	31.8	31.8	98.1	98.2	7.0	7.0	8.1	9.0	10	11	-	-	817952	814727	-	-	-	-
						1.0	0.1	231	23.5		8.2		31.8		98.2		7.0		8.3		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	242	23.4	23.4	8.2	8.2	31.9	31.9	99.4	99.5	7.0	7.1	10.1		12		-				-		-	
						3.9	0.1	264	23.4		8.2		31.9		99.6		7.1		9.6		12		-				-		-	
SR7	Cloudy	Moderate	07:53	15.9	Surface	1.0	0.1	297	23.6	23.6	8.1	8.1	32.6	32.6	97.7	97.7	6.9	6.9	12.1	14.6	16	17	-	-	823641	823763	-	-	-	-
						1.0	0.2	311	23.6		8.1		32.6		97.6		6.9		12.3		17		-				-		-	
					Middle	8.0	0.1	342	23.6	23.6	8.1	8.1	32.6	32.6	97.6	97.6	6.9		14.3		17		-				-		-	
						8.0	0.1	315	23.6		8.1		32.6		97.5		6.9		14.3		18		-				-		-	
					Bottom	14.9	0.2	1	23.6	23.6	8.0	8.0	32.7	32.7	97.3	97.3	6.9	6.9	17.3		18		-				-		-	
						14.9	0.2	1	23.6		8.0		32.7		97.3		6.8		17.5		18		-				-		-	
SR8	Cloudy	Moderate	09:04	4.7	Surface	1.0	-	-	23.6	23.6	8.1	8.1	31.8	31.8	98.0	98.1	6.9	6.9	9.2	11.0	15	14	-	-	820408	811628	-	-	-	-
						1.0	-	-	23.7		8.1		31.8		98.1		6.9		9.3		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	23.5	23.5	8.1	8.1	32.1	32.1	97.5	97.5	6.9	6.9	12.5		13		-				-		-	
						3.7	-	-	23.5		8.1		32.1		97.5		6.9		12.8		13		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 November 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	15:36	8.0	Surface	1.0	2.8	153	24.1	24.0	8.0	8.0	29.5	29.5	96.8	96.8	6.9	6.8	6.1	7.8	6	6	88	92	815633	804249	<0.2	<0.2	1.0	1.2
						1.0	2.8	162	24.0		8.0		29.5		96.8		6.9		6.1		7		89				<0.2		1.1	
					Middle	4.0	2.6	153	23.6	23.6	8.0	8.0	31.0	31.0	94.7	94.7	6.7		7.6		6		92				<0.2		1.0	
						4.0	2.7	155	23.6		8.0		31.0		94.7		6.7		7.6		6		92				<0.2		1.1	
					Bottom	7.0	2.9	150	23.6	23.6	8.0	8.0	31.4	31.4	94.5	94.5	6.7	6.7	9.8		5		95				<0.2		1.3	
						7.0	3.1	152	23.6		8.0		31.4		94.5		6.7		9.7		4		94				<0.2		1.4	
C2	Cloudy	Moderate	14:26	11.5	Surface	1.0	0.3	98	24.5	24.5	8.1	8.1	28.7	28.7	94.6	94.6	6.7	6.7	6.6	9.1	4	5	89	92	825688	806954	<0.2	<0.2	1.4	1.4
						1.0	0.3	101	24.5		8.1		28.7		94.6		6.7		6.8		5		89				<0.2		1.4	
					Middle	5.8	0.2	99	24.2	24.2	8.2	8.2	30.0	30.0	93.5	93.6	6.6		8.1		5		92				<0.2		1.4	
						5.8	0.2	102	24.2		8.2		30.0		93.7		6.6		8.0		5		93				<0.2		1.4	
					Bottom	10.5	0.2	93	24.2	24.2	8.1	8.1	30.1	30.1	94.0	93.9	6.6	6.6	12.5		5		94				<0.2		1.3	
						10.5	0.2	98	24.2		8.1		30.1		93.8		6.6		12.3		5		95				<0.2		1.4	
C3	Cloudy	Moderate	16:13	12.3	Surface	1.0	0.3	74	24.3	24.3	8.2	8.2	30.9	30.8	98.0	98.0	6.9	6.7	2.3	3.5	4	4	89	92	822093	817821	<0.2	<0.2	1.5	1.4
						1.0	0.3	75	24.3		8.2		30.8		98.0		6.9		2.4		5		89				<0.2		1.4	
					Middle	6.2	0.1	110	24.2	24.2	8.2	8.2	31.5	31.5	93.0	92.9	6.5		1.8		5		92				<0.2		1.4	
						6.2	0.1	116	24.1		8.2		31.5		92.7		6.5		1.9		4		93				<0.2		1.3	
					Bottom	11.3	0.1	88	24.0	24.0	8.2	8.2	31.6	31.6	92.6	92.7	6.5	6.5	6.4		4		93				<0.2		1.4	
						11.3	0.2	95	24.0		8.2		31.6		92.8		6.5		6.3		4		93				<0.2		1.4	
IM1	Fine	Moderate	15:14	4.7	Surface	1.0	0.0	202	24.6	24.6	8.0	8.0	29.8	29.8	100.4	100.5	7.1	7.1	6.3	8.0	6	6	89	91	817965	807120	<0.2	<0.2	1.1	1.2
						1.0	0.0	205	24.6		8.0		29.8		100.5		7.1		6.5		5		89				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	266	24.8	24.8	8.0	8.0	30.6	30.6	101.0	101.0	7.0	7.0	9.5		6		92				<0.2		1.4	
						3.7	0.2	285	24.8		8.0		30.6		101.0		7.0		9.7		6		92				<0.2		1.3	
IM2	Fine	Moderate	15:06	6.8	Surface	1.0	2.8	137	24.0	24.0	8.0	8.0	30.3	30.2	97.1	97.0	6.9	6.9	4.5	7.5	4	5	86	90	818176	806185	<0.2	<0.2	1.0	1.2
						1.0	2.9	137	24.0		8.0		30.2		96.9		6.9		4.6		5		87				<0.2		1.0	
					Middle	3.4	2.5	139	24.2	24.2	8.0	8.0	31.1	31.0	96.9	96.9	6.8		7.8		5		90				<0.2		1.1	
						3.4	2.5	141	24.2		8.0		31.0		96.8		6.8		7.9		6		90				<0.2		1.1	
					Bottom	5.8	2.9	141	24.1	24.1	8.0	8.0	31.2	31.2	95.1	95.2	6.7	6.7	10.0		5		94				<0.2		1.4	
						5.8	3.0	152	24.1		8.0		31.2		95.2		6.7		10.1		6		94				<0.2		1.4	
IM3	Fine	Moderate	14:59	7.0	Surface	1.0	2.7	148	24.2	24.2	7.9	7.9	30.1	30.1	96.3	96.3	6.8	6.8	6.7	8.7	6	6	86	90	818784	805600	<0.2	<0.2	1.0	1.2
						1.0	2.8	158	24.2		7.9		30.1		96.3		6.8		6.6		7		86				<0.2		0.9	
					Middle	3.5	2.7	152	23.9	23.9	7.9	7.9	31.0	31.0	95.3	95.3	6.7		8.5		6		91				<0.2		1.2	
						3.5	2.8	157	23.9		7.9		31.0		95.2		6.7		8.6		6		91				<0.2		1.3	
					Bottom	6.0	2.7	149	24.0	24.0	7.9	7.9	31.3	31.3	94.9	95.0	6.7	6.7	11.0		5		93				<0.2		1.2	
						6.0	2.9	154	24.0		7.9		31.3		95.0		6.7		10.8		6		94				<0.2		1.4	
IM4	Fine	Moderate	14:50	8.1	Surface	1.0	1.6	24	24.1	24.1	8.0	8.0	30.5	30.5	96.0	96.0	6.8	6.8	7.4	9.1	6	6	87	90	819741	804626	<0.2	<0.2	1.3	1.3
						1.0	1.7	25	24.1		8.0		30.5		95.9		6.8		7.3		5		87				<0.2		1.4	
					Middle	4.1	1.6	13	23.9	23.9	8.0	8.0	31.0	31.0	94.9	94.9	6.7		9.6		6		89				<0.2		1.4	
						4.1	1.7	13	23.9		8.0		31.0		94.9		6.7		9.7		6		90				<0.2		1.2	
					Bottom	7.1	1.7	25	23.9	23.9	8.0	8.0	31.2	31.2	94.7	94.7	6.7	6.7	10.4		6		93				<0.2		1.2	
						7.1	1.7	25	23.9		8.0		31.2		94.7		6.7		10.4		6		93				<0.2		1.4	
IM5	Fine	Moderate	14:41	7.4	Surface	1.0	2.0	51	24.6	24.6	8.0	8.0	29.9	29.9	98.3	98.3	6.9	6.9	5.5	6.7	6	5	87	90	820715	804866	<0.2	<0.2	1.3	1.3
						1.0	2.1	51	24.6		8.0		29.9		98.2		6.9		5.6		5		88				<0.2		1.3	
					Middle	3.7	2.0	46	24.2	24.2	8.0	8.0	30.7	30.7	96.7	96.8	6.8		7.0		5		90				<0.2		1.2	
						3.7	2.1	48	24.2		8.0		30.7		96.8		6.8		7.1		4		91				<0.2		1.4	
					Bottom	6.4	1.8	38	24.1	24.1	8.0	8.0	30.9	30.9	96.5	96.5	6.8	6.8	7.5		5		93				<0.2		1.3	
						6.4	1.9	39	24.1		8.0		30.9		96.4		6.8		7.6		5		93				<0.2		1.4	
IM6	Fine	Moderate	14:33	7.3	Surface	1.0	2.0	50	24.5	24.5	8.0	8.0	29.5	29.5	98.0	97.9	6.9	6.9	4.2	6.6	4	5	86	90	821060	805822	<0.2	<0.2	1.4	1.4
						1.0	2.2	52	24.5		8.0		29.5		97.8		6.9		4.2		4		87				<0.2		1.4	
					Middle	3.7	1.9	46	24.3	24.3	8.0	8.0	30.1	30.1	96.9	96.9	6.8		6.7		5		90				<0.2		1.4	
						3.7	2.1	46	24.3		8.0		30.1		96.9		6.8		6.8		6		90				<0.2		1.4	
					Bottom	6.3	2.1	51	24.1	24.1	8.0	8.0	31.1	31.1	96.1	96.1	6.8	6.8	8.7		5		93				<0.2		1.4	
						6.3	2.1	55	24.1		8.0		31.1		96.1		6.8		8.9		6		93				<0.2		1.4	
IM7	Fine	Moderate	14:27	8.5	Surface	1.0	2.1	82	25.0	25.0	8.0	8.0	28.3	28.3	98.0	98.0	6.9	6.8	4.5	6.9	5	5	87	91	821351	806829	<0.2	<0.2	1.3	1.4
						1.0	2.1	87	25.0		8.0		28.3		98.0		6.9		4.5		4		88				<0.2		1.2	
					Middle	4.3	2.3	83	24.1	24.1	8.1	8.1	30.9	30.9	95.5	95.5	6.7		6.6		4		91				<0.2		1.4	
						4.3	2.4	85	24.1		8.1		30.9		95.5		6.7		6.6		4		91				<0.2		1.4	
					Bottom	7.5	2.2	79	24.0	24.0	8.1	8.1	31.1	31.1	94.9	94.9	6.7	6.7	9.7		5		93				<0.2		1.4	
						7.5	2.3	80	24.0		8.1		31.1		94.9		6.7		9.6		5		94				<0.2		1.5	
IM8	Cloudy	Moderate	14:50	7.7	Surface	1.0	0.2	71	24.7	24.7	8.2	8.2	28.3	28.3	97.7	97.6	6.9	6.8	3.6	6.7	6	8	86	91	821852	808142	<0.2	<0.2	1.5	1.4
						1.0	0.2	73	24.7		8.2		28.3		97.5		6.9		3.7		7		88				<0.2		1.5	
					Middle	3.9	0.2	75	24.2	24.2	8.2	8.2	29.7	29.8	95.5	95.5	6.8		6.8		9		93				<0.2		1.3	
						3.9	0.3	79	24.2		8.2		29.9		95.4		6.7		6.8		9		93				<0.2		1.4	
					Bottom	6.7	0.2	19	24.2	24.2	8.2	8.2	30.4	30.4	95.2	95.2	6.7	6.7	9.5		9		94				<0.2		1.3	
						6.7	0.2	20	24.2		8.2		30.4		95.2		6.7		9.6		10		94				<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 19 November 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	14:55	7.1	Surface	1.0	0.3	101	24.5	24.5	8.2	8.2	28.4	28.4	96.0	96.0	6.8	6.8	4.7	7.0	4	5	88	92	822106	808808	<0.2	<0.2	1.4	1.4
						1.0	0.3	105	24.5		8.2		28.4		96.0		6.8		4.8		4		89				<0.2		1.4	
					Middle	3.6	0.3	94	24.4	24.4	8.2	8.2	29.2	29.4	95.6	95.6	6.8		6.2		4		92				<0.2		1.4	
						3.6	0.3	99	24.3		8.2		29.5		95.5		6.8		6.2		5		92				<0.2		1.4	
					Bottom	6.1	0.2	64	24.2	24.2	8.2	8.2	30.4	30.3	95.2	95.3	6.7	6.7	10.3		6		94				<0.2		1.4	
						6.1	0.2	64	24.2		8.2		30.3		95.3		6.7		10.0		6		94				<0.2		1.3	
IM10	Cloudy	Moderate	15:02	7.6	Surface	1.0	0.3	104	24.2	24.2	8.2	8.2	29.1	29.2	92.5	92.3	6.6	6.5	7.1	7.6	5	4	88	92	822406	809775	<0.2	<0.2	1.3	1.4
						1.0	0.3	114	24.2		8.2		29.3		92.1		6.5		7.4		4		88				<0.2		1.3	
					Middle	3.8	0.2	90	24.1	24.1	8.2	8.2	29.9	30.0	91.4	91.4	6.5		8.3		5		92				<0.2		1.6	
						3.8	0.3	96	24.1		8.2		30.0		91.4		6.5		8.3		4		92				<0.2		1.4	
					Bottom	6.6	0.1	85	24.2	24.2	8.2	8.2	30.4	30.4	92.6	92.7	6.5	6.5	7.4		4		98				<0.2		1.3	
						6.6	0.1	92	24.2		8.2		30.4		92.7		6.5		7.3		4		94				<0.2		1.3	
IM11	Cloudy	Moderate	15:13	7.7	Surface	1.0	0.2	94	24.3	24.3	8.2	8.2	29.9	30.0	96.7	96.6	6.8	6.8	3.7	4.1	6	5	86	91	822049	811478	<0.2	<0.2	1.5	1.4
						1.0	0.2	102	24.3		8.2		30.0		96.4		6.8		3.7		5		87				<0.2		1.4	
					Middle	3.9	0.1	74	24.2	24.2	8.2	8.2	30.4	30.5	95.0	94.9	6.7		3.8		5		93				<0.2		1.4	
						3.9	0.1	78	24.2		8.2		30.5		94.7		6.7		3.9		4		94				<0.2		1.4	
					Bottom	6.7	0.1	138	24.1	24.1	8.2	8.2	30.6	30.6	93.5	93.6	6.6	6.6	4.7		5		94				<0.2		1.4	
						6.7	0.1	139	24.1		8.2		30.6		93.6		6.6		4.7		4		94				<0.2		1.3	
IM12	Cloudy	Moderate	15:18	9.3	Surface	1.0	0.2	83	24.6	24.6	8.2	8.2	30.0	30.0	98.9	99.0	6.9	6.8	3.4	6.5	7	5	88	91	821454	812024	<0.2	<0.2	1.4	1.4
						1.0	0.2	90	24.6		8.2		30.0		99.0		7.0		3.4		6		88				<0.2		1.4	
					Middle	4.7	0.1	100	24.1	24.1	8.2	8.2	30.5	30.5	94.0	94.1	6.6		7.6		4		89				<0.2		1.5	
						4.7	0.1	103	24.1		8.2		30.5		94.2		6.6		7.8		4		92				<0.2		1.3	
					Bottom	8.3	0.1	88	24.2	24.2	8.2	8.2	30.5	30.5	94.5	94.6	6.7	6.7	8.5		5		94				<0.2		1.4	
						8.3	0.1	88	24.2		8.2		30.5		94.7		6.7		8.3		4		94				<0.2		1.5	
SR1A	Cloudy	Calm	15:38	4.5	Surface	1.0	-	-	24.4	24.4	8.2	8.2	30.4	30.4	96.3	96.1	6.8	6.8	4.2	5.2	6	7	-	-	819982	812660	-	-	-	-
						1.0	-	-	24.4		8.2		30.4		95.9		6.7		4.2		6		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	24.3	24.3	8.2	8.2	30.6	30.6	94.3	94.3	6.6	6.6	6.1		7		-				-		-	
						3.5	-	-	24.3		8.2		30.6		94.3		6.6		6.4		8		-				-		-	
SR2	Cloudy	Moderate	15:50	4.0	Surface	1.0	0.1	51	24.3	24.3	8.2	8.2	30.4	30.4	96.8	96.7	6.8	6.8	3.4	3.5	6	7	92	93	821444	814173	<0.2	<0.2	1.4	1.4
						1.0	0.1	52	24.3		8.2		30.4		96.6		6.8		3.4		6		93				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	117	24.3	24.3	8.2	8.2	30.5	30.5	95.7	95.7	6.7	6.7	3.7		7		94				<0.2		1.4	
						3.0	0.0	126	24.3		8.2		30.5		95.7		6.7		3.7		8		94				<0.2		1.4	
SR3	Cloudy	Moderate	14:44	9.3	Surface	1.0	0.2	138	24.5	24.5	8.1	8.1	28.4	28.5	96.3	96.4	6.8	6.8	4.6	9.6	9	10	-	-	822131	807549	-	-	-	-
						1.0	0.2	142	24.5		8.1		28.6		96.4		6.8		4.5		8		-				-		-	
					Middle	4.7	0.2	117	24.3	24.3	8.1	8.1	29.5	29.6	94.0	94.1	6.7		9.0		10		-				-		-	
						4.7	0.2	117	24.3		8.1		29.6		94.1		6.7		9.0		9		-				-		-	
					Bottom	8.3	0.1	44	24.3	24.3	8.1	8.1	30.1	30.1	94.5	94.6	6.7	6.7	15.1		11		-				-		-	
						8.3	0.1	45	24.3		8.1		30.1		94.6		6.7		15.5		10		-				-		-	
SR4A	Fine	Calm	15:56	9.4	Surface	1.0	1.9	213	24.7	24.6	8.0	8.0	30.0	30.0	98.7	98.7	6.9	6.9	8.0	10.5	5	6	-	-	817186	807814	-	-	-	-
						1.0	2.0	230	24.6		8.0		30.0		98.7		6.9		8.2		6		-				-		-	
					Middle	4.7	1.8	214	24.3	24.3	8.0	8.0	30.7	30.7	97.6	97.6	6.9		11.2		5		-				-		-	
						4.7	1.9	228	24.3		8.0		30.7		97.5		6.9		11.2		6		-				-		-	
					Bottom	8.4	1.9	221	24.1	24.1	8.0	8.0	31.0	31.0	95.9	96.0	6.8	6.8	12.2		5		-				-		-	
						8.4	1.9	232	24.1		8.0		31.0		96.0		6.8		12.2		6		-				-		-	
SR5A	Fine	Calm	16:12	3.5	Surface	1.0	0.1	355	24.8	24.8	7.9	7.9	31.6	31.6	98.1	98.1	6.8	6.8	17.5	17.1	9	8	-	-	816597	810711	-	-	-	-
						1.0	0.1	327	24.8		7.9		31.6		98.0		6.8		17.4		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	355	24.8	24.8	7.9	7.9	31.6	31.6	97.5	97.5	6.8	6.8	16.6		6		-				-		-	
						2.5	0.1	358	24.8		7.9		31.6		97.5		6.8		16.7		7		-				-		-	
SR6A	Fine	Calm	16:55	4.1	Surface	1.0	0.0	15	24.7	24.7	8.1	8.1	31.3	31.3	98.2	98.1	6.8	6.8	10.6	10.5	5	6	-	-	817969	814757	-	-	-	-
						1.0	0.0	15	24.7		8.1		31.3		98.0		6.8		10.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	86	24.5	24.5	8.0	8.0	31.5	31.5	96.9	96.9	6.8	6.8	10.4		7		-				-		-	
						3.1	0.1	89	24.5		8.0		31.5		96.8		6.8		10.5		7		-				-		-	
SR7	Cloudy	Moderate	16:43	15.7	Surface	1.0	0.3	73	24.2	24.2	8.2	8.2	31.4	31.4	93.6	93.5	6.6	6.5	2.4	3.0	5	4	-	-	823636	823722	-	-	-	-
						1.0	0.3	78	24.2		8.2		31.4		93.4		6.6		2.3		4		-				-		-	
					Middle	7.9	0.1	336	24.0	24.0	8.2	8.2	31.6	31.6	91.2	91.2	6.4		3.2		5		-				-		-	
						7.9	0.1	309	24.0		8.2		31.6		91.2		6.4		3.3		4		-				-		-	
					Bottom	14.7	0.1	316	24.0	24.0	8.2	8.2	31.6	31.6	91.8	91.9	6.5	6.5	3.4		4		-				-		-	
						14.7	0.1	334	24.0		8.2		31.6		92.0		6.5		3.4		4		-				-		-	
SR8	Cloudy	Moderate	15:28	4.2	Surface	1.0	-	-	24.8	24.8	8.2	8.2	30.2	30.2	97.2	97.1	6.8	6.8	5.6	5.7	5	5	-	-	820397	811607	-	-	-	-
						1.0	-	-	24.7		8.2		30.2		97.0		6.8		5.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	24.3	24.3	8.2	8.2	30.3	30.3	95.7	95.7	6.7	6.7	5.7		4		-				-		-	
						3.2	-	-	24.3		8.2		30.3		95.7		6.7		5.8		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 November 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	11:31	8.2	Surface	1.0	2.2	320	23.7	23.7	8.1	8.1	30.2	30.2	94.2	94.2	6.7	6.7	12.5	14.7	8	9	89	92	815641	804237	<0.2	<0.2	0.9	0.9
						1.0	2.2	321	23.7		8.1		30.2		94.2		6.7		12.6		9		90				<0.2		0.9	
					Middle	4.1	2.3	312	23.7	23.7	8.1	8.1	30.7	30.7	94.3	94.4	6.7		15.0		9		91				<0.2		0.8	
						4.1	2.4	316	23.7		8.1		30.7		94.4		6.7		15.2		10		92				<0.2		1.0	
					Bottom	7.2	2.3	304	23.8	23.8	8.1	8.1	31.0	31.0	94.4	94.4	6.7	6.7	16.4		9		94				<0.2		0.9	
						7.2	2.4	305	23.8		8.1		31.0		94.4		6.7		16.3		10		94				<0.2		1.0	
C2	Cloudy	Moderate	12:19	11.9	Surface	1.0	0.3	44	24.3	24.3	8.2	8.2	28.1	28.1	93.6	93.5	6.7	6.7	5.5	10.6	6	6	88	92	825679	806958	<0.2	<0.2	0.8	0.7
						1.0	0.3	44	24.3		8.2		28.1		93.4		6.7		5.8		5		89				<0.2		0.8	
					Middle	6.0	0.3	45	24.2	24.2	8.2	8.2	29.0	29.1	92.7	92.8	6.6		12.3		5		92				<0.2		0.7	
						6.0	0.3	48	24.2		8.2		29.1		92.8		6.6		12.5		6		92				<0.2		0.7	
					Bottom	10.9	0.2	2	24.1	24.1	8.2	8.2	29.6	29.6	94.0	94.1	6.7	6.7	13.8		7		94				<0.2		0.7	
						10.9	0.2	2	24.1		8.2		29.5		94.2		6.7		13.9		6		95				<0.2		0.7	
C3	Cloudy	Moderate	10:30	11.0	Surface	1.0	0.5	258	24.1	24.1	8.2	8.2	30.5	30.5	95.0	95.0	6.7	6.7	3.1	6.5	8	7	89	92	822131	817798	<0.2	<0.2	0.7	0.7
						1.0	0.5	265	24.1		8.2		30.5		94.9		6.7		3.2		7		89				<0.2		0.7	
					Middle	5.5	0.5	249	24.0	24.0	8.2	8.2	30.7	30.7	94.5	94.5	6.7		7.7		7		93				<0.2		0.7	
						5.5	0.6	265	24.0		8.2		30.7		94.5		6.7		7.9		7		93				<0.2		0.7	
					Bottom	10.0	0.4	259	24.0	24.0	8.2	8.2	30.9	30.8	95.5	95.6	6.7	6.8	8.5		7		94				<0.2		0.7	
						10.0	0.4	279	24.0		8.2		30.8		95.6		6.8		8.7		8		94				<0.2		0.8	
IM1	Cloudy	Moderate	11:50	4.4	Surface	1.0	0.1	13	24.2	24.2	8.1	8.1	31.2	31.2	97.1	97.1	6.8	6.8	7.6	8.1	10	10	91	92	817933	807143	<0.2	<0.2	0.9	0.9
						1.0	0.1	14	24.2		8.1		31.2		97.1		6.8		7.6		9		91				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	323	24.1	24.1	8.0	8.0	31.3	31.3	96.7	96.7	6.8	6.8	8.6		10		92				<0.2		0.9	
						3.4	0.0	325	24.1		8.0		31.3		96.7		6.8		8.7		11		92				<0.2		0.9	
IM2	Cloudy	Moderate	11:59	6.5	Surface	1.0	2.1	208	24.1	24.1	8.0	8.0	30.9	30.9	95.3	95.3	6.7	6.7	11.9	14.9	9	10	88	91	818170	806172	<0.2	<0.2	0.9	1.0
						1.0	2.2	214	24.1		8.0		30.9		95.2		6.7		12.1		10		88				<0.2		0.9	
					Middle	3.3	2.1	208	23.9	23.9	8.1	8.1	31.1	31.1	95.0	95.1	6.7		14.8		10		90				<0.2		1.0	
						3.3	2.2	224	23.9		8.1		31.1		95.1		6.7		14.9		10		91				<0.2		0.8	
					Bottom	5.5	1.9	213	23.9	23.9	8.1	8.1	31.1	31.1	95.1	95.2	6.7	6.7	17.8		10		93				<0.2		1.1	
						5.5	2.0	230	23.9		8.1		31.1		95.2		6.7		17.8		11		94				<0.2		1.1	
IM3	Cloudy	Moderate	12:05	6.7	Surface	1.0	2.0	15	24.0	24.0	8.0	8.0	30.8	30.8	94.6	94.6	6.7	6.7	12.1	14.7	11	10	88	91	818791	805612	<0.2	<0.2	1.0	1.0
						1.0	2.1	15	24.0		8.0		30.8		94.6		6.7		12.3		10		88				<0.2		1.0	
					Middle	3.4	2.3	17	23.9	23.9	8.0	8.0	30.9	30.9	94.3	94.3	6.7		14.3		10		90				<0.2		0.9	
						3.4	2.4	17	23.9		8.0		30.9		94.3		6.7		14.5		10		91				<0.2		0.9	
					Bottom	5.7	2.2	22	23.9	23.9	8.1	8.1	31.0	31.0	94.1	94.1	6.7	6.7	17.4		10		93				<0.2		0.9	
						5.7	2.4	22	23.9		8.1		31.0		94.0		6.6		17.3		9		93				<0.2		1.0	
IM4	Cloudy	Moderate	12:15	7.9	Surface	1.0	2.0	174	24.0	24.0	8.0	8.0	30.9	30.9	93.7	93.7	6.6	6.6	12.2	15.0	10	10	87	91	819741	804611	<0.2	<0.2	1.0	0.9
						1.0	2.1	174	24.0		8.0		30.9		93.6		6.6		12.4		11		88				<0.2		0.9	
					Middle	4.0	1.7	180	23.9	23.9	8.0	8.0	30.9	30.9	93.7	93.7	6.6		15.8		10		91				<0.2		0.9	
						4.0	1.7	194	23.9		8.0		30.9		93.7		6.6		15.8		10		92				<0.2		0.9	
					Bottom	6.9	1.8	183	23.9	23.9	8.1	8.1	30.9	30.9	93.8	93.8	6.6	6.6	16.8		10		94				<0.2		0.9	
						6.9	1.9	195	23.9		8.1		30.9		93.8		6.6		16.7		9		94				<0.2		1.0	
IM5	Cloudy	Moderate	12:22	7.2	Surface	1.0	2.6	100	24.2	24.2	8.0	8.0	30.4	30.4	95.4	95.4	6.7	6.7	12.5	15.2	11	11	88	90	820752	804881	<0.2	<0.2	0.9	0.9
						1.0	2.7	101	24.2		8.0		30.4		95.4		6.7		12.5		11		88				<0.2		0.9	
					Middle	3.6	2.8	102	23.9	23.9	8.0	8.0	31.0	31.0	94.2	94.2	6.7		15.4		11		90				<0.2		0.8	
						3.6	3.0	108	23.9		8.0		31.0		94.1		6.6		15.5		11		90				<0.2		1.0	
					Bottom	6.2	2.7	95	23.9	23.9	8.0	8.0	31.0	31.0	94.6	94.6	6.7	6.7	17.6		12		93				<0.2		1.0	
						6.2	2.8	97	23.9		8.0		31.0		94.6		6.7		17.7		12		93				<0.2		1.0	
IM6	Cloudy	Moderate	12:30	7.0	Surface	1.0	1.8	81	24.4	24.4	8.0	8.0	28.9	28.9	96.9	96.9	6.9	6.9	6.0	8.5	10	11	87	91	821066	805806	<0.2	<0.2	1.0	1.0
						1.0	1.9	87	24.4		8.0		28.9		96.9		6.9		6.1		11		88				<0.2		1.0	
					Middle	3.5	1.9	76	24.2	24.2	8.1	8.1	30.7	30.7	97.3	97.3	6.8		8.9		11		91				<0.2		0.9	
						3.5	2.0	83	24.2		8.1		30.7		97.2		6.8		9.0		10		91				<0.2		0.9	
					Bottom	6.0	1.8	80	24.2	24.2	8.1	8.1	31.1	31.1	97.0	97.1	6.8	6.8	10.7		10		93				<0.2		1.0	
						6.0	2.0	84	24.2		8.1		31.1		97.1		6.8		10.4		11		93				<0.2		0.9	
IM7	Cloudy	Moderate	12:40	8.1	Surface	1.0	2.0	331	24.3	24.3	8.0	8.0	28.6	28.6	94.9	94.9	6.8	6.8	6.6	9.1	11	9	87	90	821354	806829	<0.2	<0.2	1.5	1.4
						1.0	2.2	305	24.3		8.0		28.6		94.9		6.8		6.7		10		87				<0.2		1.4	
					Middle	4.1	2.0	340	24.1	24.1	8.1	8.1	30.8	30.8	95.7	95.8	6.8		8.8		8		91				<0.2		1.4	
						4.1	2.1	345	24.1		8.1		30.8		95.8		6.8		8.8		9		91				<0.2		1.4	
					Bottom	7.1	2.1	335	24.0	24.0	8.1	8.1	31.2	31.2	95.5	95.5	6.7	6.7	11.7		7		93				<0.2		1.4	
						7.1	2.2	352	24.0		8.1		31.2		95.5		6.7		11.9		8		93				<0.2		1.4	
IM8	Cloudy	Moderate	11:54	7.9	Surface	1.0	0.2	78	24.3	24.3	8.2	8.2	28.0	28.0	93.8	93.8	6.7	6.7	5.5	8.7	8	7	89	92	821817	808126	<0.2	<0.2	1.4	1.4
						1.0	0.2	83	24.3		8.2		28.0		93.7		6.7		5.7		7		89				<0.2		1.4	
					Middle	4.0	0.2	79	24.2	24.2	8.2	8.2	28.1	28.1	93.6	93.7	6.7		9.0		7		94				<0.2		1.5	
						4.0	0.2	83	24.2		8.2		28.1		93.7		6.7		9.4		6		93				<0.2		1.4	
					Bottom	6.9	0.1	68	24.2	24.2	8.2	8.2	28.2	28.2	94.7	94.8	6.8	6.8	11.6		6		94				<0.2		1.4	
						6.9	0.2	69	24.2		8.2		28.2		94.9		6.8		11.3		7		95				<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 19 November 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	11:48	6.5	Surface	1.0	0.2	42	24.3	24.3	8.2	8.2	28.2	28.2	94.1	94.0	6.7	6.7	5.7	6.9	7	7	89	92	822070	808794	<0.2	<0.2	1.3	1.4
						1.0	0.2	44	24.3		8.2		28.2		93.8		6.7		6.0		8		89				<0.2		1.3	
					Middle	3.3	0.2	58	24.2	24.2	8.2	8.2	28.3	28.3	93.4	93.5	6.7		6.4		7		92				<0.2		1.4	
						3.3	0.2	60	24.2		8.2		28.3		93.5		6.7		6.4		6		93				<0.2		1.5	
					Bottom	5.5	0.0	13	24.2	24.2	8.2	8.2	28.7	28.7	93.3	93.3	6.6	6.6	8.3		7		95				<0.2		1.6	
						5.5	0.0	13	24.2		8.2		28.7		93.3		6.6		8.5		6		95				<0.2		1.4	
IM10	Cloudy	Moderate	11:40	7.4	Surface	1.0	0.4	311	24.1	24.1	8.2	8.2	29.5	29.5	93.5	93.5	6.6	6.7	8.2	10.2	7	7	89	92	822364	809773	<0.2	<0.2	1.5	1.1
						1.0	0.4	325	24.1		8.2		29.5		93.5		6.6		9.1		8		90				<0.2		1.3	
					Middle	3.7	0.4	303	24.0	24.0	8.2	8.2	30.0	30.0	93.7	93.8	6.7		11.4		7		92				<0.2		0.9	
						3.7	0.4	314	24.0		8.2		30.0		93.9		6.7		11.5		8		92				<0.2		0.8	
					Bottom	6.4	0.2	290	24.0	24.0	8.2	8.2	30.0	30.0	94.8	94.9	6.7	6.7	10.4		6		94				<0.2		0.9	
						6.4	0.2	311	24.0		8.2		30.0		95.0		6.7		10.7		7		95				<0.2		0.9	
IM11	Cloudy	Moderate	11:29	7.5	Surface	1.0	0.4	284	24.1	24.1	8.2	8.2	30.2	30.2	94.7	94.7	6.7	6.7	6.3	8.5	9	10	89	92	822052	811469	<0.2	<0.2	0.9	0.9
						1.0	0.4	309	24.1		8.2		30.2		94.7		6.7		6.4		9		90				<0.2		0.8	
					Middle	3.8	0.4	290	24.0	24.0	8.2	8.2	30.5	30.5	94.5	94.5	6.7		8.5		10		93				<0.2		0.8	
						3.8	0.4	309	24.0		8.2		30.6		94.5		6.7		8.7		10		93				<0.2		1.0	
					Bottom	6.5	0.2	311	24.0	24.0	8.2	8.2	30.7	30.7	94.9	95.0	6.7	6.7	10.6		11		94				<0.2		0.8	
						6.5	0.3	327	24.0		8.2		30.6		95.0		6.7		10.3		10		93				<0.2		0.9	
IM12	Cloudy	Moderate	11:23	8.2	Surface	1.0	0.5	288	24.0	24.0	8.2	8.2	30.6	30.6	94.3	94.3	6.7	6.7	9.9	10.7	9	9	89	92	821445	812056	<0.2	<0.2	0.7	0.8
						1.0	0.6	300	24.0		8.2		30.6		94.3		6.7		9.9		9		89				<0.2		0.9	
					Middle	4.1	0.4	288	24.0	24.0	8.2	8.2	30.6	30.6	94.2	94.2	6.7		10.3		9		92				<0.2		0.8	
						4.1	0.4	311	24.0		8.2		30.6		94.1		6.7		10.3		9		94				<0.2		0.9	
					Bottom	7.2	0.2	299	24.0	24.0	8.2	8.2	30.8	30.8	95.0	95.1	6.7	6.7	11.8		9		93				<0.2		0.9	
						7.2	0.2	310	24.0		8.2		30.8		95.2		6.7		12.1		9		94				<0.2		0.8	
SR1A	Cloudy	Calm	11:03	4.5	Surface	1.0	-	-	24.1	24.1	8.2	8.2	30.5	30.5	94.4	94.3	6.7	6.7	6.4	8.6	7	6	-	-	819976	812657	-	-	-	-
						1.0	-	-	24.1		8.2		30.5		94.2		6.6		6.8		7		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	24.1	24.1	8.2	8.2	31.0	31.0	93.9	94.1	6.6	6.6	10.8		5		-				-		-	
						3.5	-	-	24.1		8.2		31.0		94.2		6.6		10.7		6		-				-		-	
SR2	Cloudy	Moderate	10:51	4.1	Surface	1.0	0.3	103	24.1	24.1	8.2	8.2	30.3	30.3	95.3	95.3	6.7	6.7	6.7	8.3	7	7	92	93	821449	814185	<0.2	<0.2	0.9	0.9
						1.0	0.3	112	24.1		8.2		30.3		95.3		6.7		6.7		7		93				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	100	24.1	24.1	8.2	8.2	30.4	30.4	96.1	96.2	6.8	6.8	9.9		7		94				<0.2		0.9	
						3.1	0.2	109	24.1		8.2		30.4		96.2		6.8		9.9		6		94				<0.2		0.9	
SR3	Cloudy	Moderate	11:59	8.6	Surface	1.0	0.1	43	24.3	24.3	8.2	8.2	28.0	28.0	94.4	94.4	6.7	6.8	3.8	9.4	8	7	-	-	822151	807549	-	-	-	-
						1.0	0.2	45	24.3		8.2		28.0		94.4		6.7		3.9		8		-				-		-	
					Middle	4.3	0.2	100	24.1	24.1	8.2	8.2	29.5	29.6	95.1	95.2	6.8		12.0		7		-				-		-	
						4.3	0.2	104	24.1		8.2		29.7		95.3		6.8		11.9		7		-				-		-	
					Bottom	7.6	0.3	93	24.1	24.1	8.2	8.2	30.4	30.4	95.6	95.6	6.8	6.8	12.5		7		-				-		-	
						7.6	0.3	100	24.1		8.2		30.4		95.6		6.8		12.5		7		-				-		-	
SR4A	Cloudy	Calm	11:06	8.8	Surface	1.0	2.7	109	24.0	24.0	8.1	8.1	31.3	31.3	96.2	96.1	6.8	6.8	11.8	14.5	11	11	-	-	817179	807792	-	-	-	-
						1.0	2.9	117	24.0		8.1		31.3		96.0		6.8		11.8		11		-				-		-	
					Middle	4.4	2.7	110	23.9	23.9	8.0	8.0	31.5	31.5	94.4	94.5	6.7		15.5		11		-				-		-	
						4.4	2.7	111	23.9		8.0		31.5		94.5		6.7		15.7		11		-				-		-	
					Bottom	7.8	2.5	110	23.9	23.9	8.0	8.0	31.5	31.5	94.4	94.4	6.6	6.6	16.0		10		-				-		-	
						7.8	2.7	118	23.9		8.0		31.5		94.4		6.6		16.1		11		-				-		-	
SR5A	Cloudy	Calm	10:46	3.1	Surface	1.0	0.1	118	24.1	24.1	8.0	8.0	31.9	31.9	94.1	94.1	6.6	6.6	12.4	11.8	11	11	-	-	816578	810687	-	-	-	-
						1.0	0.1	127	24.1		8.0		31.9		94.1		6.6		12.3		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.1	0.1	100	24.1	24.1	7.9	7.9	31.9	31.9	94.0	94.0	6.6	6.6	11.1		11		-				-		-	
						2.1	0.1	104	24.1		7.9		31.9		94.0		6.6		11.2		11		-				-		-	
SR6A	Cloudy	Calm	10:18	3.9	Surface	1.0	0.0	117	24.1	24.1	8.0	8.0	31.5	31.5	94.5	94.6	6.6	6.6	6.6	6.7	10	11	-	-	817977	814735	-	-	-	-
						1.0	0.0	127	24.1		8.0		31.5		94.6		6.6		6.6		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	141	24.0	24.0	8.0	8.0	31.6	31.6	94.2	94.2	6.6	6.6	6.7		12		-				-		-	
						2.9	0.0	152	24.0		8.0		31.6		94.2		6.6		6.7		12		-				-		-	
SR7	Cloudy	Moderate	10:01	15.8	Surface	1.0	0.1	38	24.0	24.0	8.2	8.2	31.2	31.2	92.8	92.8	6.5	6.5	5.8	8.2	11	11	-	-	823656	823738	-	-	-	-
						1.0	0.1	38	24.0		8.2		31.2		92.7		6.5		5.8		10		-				-		-	
					Middle	7.9	0.2	17	23.9	24.0	8.2	8.2	31.3	31.3	92.1	92.1	6.5		8.9		11		-				-		-	
						7.9	0.2	17	24.0		8.2		31.3		92.1		6.5		8.8		12		-				-		-	
					Bottom	14.8	0.2	26	24.0	24.0	8.2	8.2	31.3	31.3	92.1	92.1	6.5	6.5	9.8		12		-				-		-	
						14.8	0.2	26	24.0		8.2		31.3		92.1		6.5		9.8		11		-				-		-	
SR8	Cloudy	Moderate	11:14	4.9	Surface	1.0	-	-	24.3	24.3	8.2	8.2	29.7	29.7	94.0	94.0	6.7	6.7	11.5	12.9	7	8	-	-	820395	811635	-	-	-	-
						1.0	-	-	24.2		8.2		29.8		94.0		6.6		11.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	24.0	24.0	8.2	8.2	30.1	30.1	94.2	94.4	6.7	6.7	14.3		9		-				-		-	
						3.9	-	-	24.0		8.2		30.1		94.5		6.7		14.2		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 November 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	04:37	8.9	Surface	1.0	0.6	196	24.0	24.0	8.2	8.2	29.9	29.9	94.1	94.1	6.7	6.6	5.1	12.5	11	9	85	87	815606	804270	<0.2	<0.2	0.9	0.9
						1.0	0.6	200	24.0		8.2		29.9		94.1		6.7		5.1		11		85				<0.2		0.9	
					Middle	4.5	0.4	237	23.9	23.9	8.2	8.2	30.5	30.5	91.8	91.9	6.5		15.7		8		87				<0.2		0.9	
						4.5	0.5	239	23.9		8.2		30.5		91.9		6.5		15.4		8		87				<0.2		0.9	
					Bottom	7.9	0.4	229	23.8	23.8	8.2	8.2	30.6	30.6	91.6	91.6	6.5	6.5	16.9		8		88				<0.2		0.9	
						7.9	0.4	229	23.8		8.2		30.6		91.6		6.5		17.0		7		89				<0.2		0.9	
C2	Cloudy	Moderate	06:02	11.9	Surface	1.0	1.0	192	24.9	24.9	7.9	7.9	27.9	27.9	91.3	91.3	6.5	6.3	4.3	6.8	7	8	85	87	825666	806943	<0.2	<0.2	1.5	1.5
						1.0	1.0	208	24.9		7.9		27.9		91.2		6.4		4.3		6		84				<0.2		1.6	
					Middle	6.0	0.4	198	24.5	24.5	8.0	8.0	28.9	28.9	88.1	88.1	6.2		5.8		7		87				<0.2		1.4	
						6.0	0.5	214	24.5		8.0		28.9		88.0		6.2		6.0		6		87				<0.2		1.5	
					Bottom	10.9	0.2	170	24.3	24.3	8.0	8.0	30.0	30.0	86.7	86.7	6.1	6.1	10.0		11		90				<0.2		1.5	
						10.9	0.2	180	24.3		8.0		30.0		86.7		6.1		10.2		10		89				<0.2		1.5	
C3	Cloudy	Moderate	04:14	11.1	Surface	1.0	0.3	96	24.6	24.6	8.0	8.0	29.7	29.7	92.2	92.2	6.5	6.4	3.5	6.6	10	8	85	88	822087	817820	<0.2	<0.2	1.6	1.5
						1.0	0.3	97	24.6		8.0		29.7		92.2		6.5		3.6		10		85				<0.2		1.4	
					Middle	5.6	0.3	86	24.4	24.4	8.0	8.0	30.3	30.3	88.2	88.1	6.2		6.6		8		88				<0.2		1.5	
						5.6	0.3	92	24.4		8.0		30.4		88.0		6.2		6.8		7		88				<0.2		1.5	
					Bottom	10.1	0.2	91	24.2	24.2	8.0	8.0	31.3	31.3	86.7	86.8	6.1	6.1	9.7		7		91				<0.2		1.4	
						10.1	0.2	91	24.2		8.0		31.3		86.8		6.1		9.6		6		91				<0.2		1.4	
IM1	Cloudy	Moderate	04:59	5.1	Surface	1.0	0.1	206	24.5	24.5	8.2	8.2	29.9	29.9	94.2	94.2	6.6	6.6	7.5	7.9	12	13	82	84	817963	807112	<0.2	<0.2	1.1	1.0
						1.0	0.1	226	24.5		8.2		29.9		94.2		6.6		7.5		13		82				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	224	24.5	24.5	8.2	8.2	29.9	29.9	94.3	94.3	6.6	6.6	8.4		12		85				<0.2		1.0	
						4.1	0.1	227	24.5		8.2		29.9		94.3		6.6		8.3		13		86				<0.2		1.0	
IM2	Cloudy	Moderate	05:06	7.2	Surface	1.0	0.1	129	24.4	24.4	8.2	8.2	29.2	29.2	95.0	95.0	6.7	6.6	6.5	9.2	14	12	86	89	818170	806176	<0.2	<0.2	0.9	1.0
						1.0	0.1	135	24.4		8.2		29.2		94.9		6.7		6.5		14		86				<0.2		0.7	
					Middle	3.6	0.2	120	24.2	24.2	8.2	8.2	29.5	29.5	92.3	92.3	6.5		9.6		12		89				<0.2		0.9	
						3.6	0.2	131	24.2		8.2		29.5		92.3		6.5		9.6		11		89				<0.2		0.9	
					Bottom	6.2	0.1	88	24.1	24.1	8.2	8.2	29.6	29.6	91.1	91.1	6.5	6.5	11.5		11		91				<0.2		1.2	
						6.2	0.1	95	24.1		8.2		29.6		91.1		6.5		11.6		11		90				<0.2		1.1	
IM3	Cloudy	Moderate	05:13	7.3	Surface	1.0	0.1	187	24.4	24.4	8.2	8.2	29.1	29.1	95.7	95.7	6.8	6.7	5.5	10.0	9	10	85	88	818765	805573	<0.2	<0.2	1.0	1.1
						1.0	0.1	203	24.4		8.2		29.1		95.7		6.8		5.5		10		86				<0.2		1.0	
					Middle	3.7	0.1	166	24.3	24.3	8.2	8.2	29.2	29.2	93.9	93.9	6.7		6.7		10		88				<0.2		1.1	
						3.7	0.1	181	24.3		8.2		29.3		93.8		6.6		6.7		10		88				<0.2		1.1	
					Bottom	6.3	0.2	86	24.1	24.1	8.2	8.2	29.7	29.7	90.6	90.6	6.4	6.4	17.8		10		90				<0.2		1.1	
						6.3	0.2	87	24.1		8.2		29.7		90.6		6.4		17.9		11		91				<0.2		1.1	
IM4	Cloudy	Moderate	05:22	7.4	Surface	1.0	1.1	195	24.4	24.4	8.2	8.2	29.1	29.1	95.5	95.5	6.8	6.8	6.1	9.4	9	10	85	88	819742	804616	<0.2	<0.2	1.0	1.0
						1.0	1.2	199	24.4		8.2		29.1		95.5		6.8		6.2		10		86				<0.2		1.0	
					Middle	3.7	1.0	197	24.3	24.3	8.2	8.2	29.1	29.1	94.4	94.4	6.7		9.0		10		87				<0.2		1.0	
						3.7	1.0	203	24.3		8.2		29.1		94.3		6.7		9.4		11		88				<0.2		1.0	
					Bottom	6.4	0.5	179	24.3	24.3	8.2	8.2	29.2	29.2	93.6	93.6	6.6	6.6	12.8		10		91				<0.2		1.0	
						6.4	0.6	193	24.3		8.2		29.2		93.6		6.6		12.7		11		91				<0.2		1.0	
IM5	Cloudy	Moderate	05:29	7.0	Surface	1.0	1.0	204	24.4	24.4	8.2	8.2	29.0	29.0	94.9	94.9	6.7	6.7	6.3	9.1	12	11	86	89	820742	804854	<0.2	<0.2	1.1	1.2
						1.0	1.0	219	24.4		8.2		29.0		94.8		6.7		6.3		12		87				<0.2		1.2	
					Middle	3.5	0.9	223	24.3	24.3	8.2	8.2	29.1	29.1	93.5	93.5	6.6		9.4		12		89				<0.2		1.2	
						3.5	0.9	240	24.3		8.2		29.1		93.4		6.6		9.5		12		89				<0.2		1.2	
					Bottom	6.0	0.5	211	24.3	24.3	8.2	8.2	29.2	29.2	92.6	92.7	6.6	6.6	11.7		8		90				<0.2		1.2	
						6.0	0.5	217	24.3		8.2		29.2		92.7		6.6		11.7		7		90				<0.2		1.1	
IM6	Cloudy	Moderate	05:37	6.7	Surface	1.0	0.5	246	24.6	24.6	8.2	8.2	28.0	28.0	94.7	94.7	6.7	6.7	4.1	5.8	8	8	86	89	821038	805843	<0.2	<0.2	1.3	1.2
						1.0	0.5	255	24.6		8.2		28.0		94.7		6.7		4.2		8		86				<0.2		1.2	
					Middle	3.4	0.5	243	24.6	24.6	8.2	8.2	28.4	28.4	94.5	94.5	6.7		5.2		7		89				<0.2		1.1	
						3.4	0.5	258	24.6		8.2		28.4		94.5		6.7		5.2		8		89				<0.2		1.0	
					Bottom	5.7	0.5	243	24.6	24.6	8.2	8.2	29.1	29.2	94.5	94.5	6.7	6.7	8.1		7		91				<0.2		1.2	
						5.7	0.5	260	24.6		8.2		29.2		94.5		6.7		8.1		8		90				<0.2		1.2	
IM7	Cloudy	Moderate	05:46	8.1	Surface	1.0	0.6	245	24.7	24.7	8.2	8.2	27.7	27.7	93.1	93.1	6.6	6.6	4.5	4.7	8	8	85	88	821372	806847	<0.2	<0.2	1.4	1.3
						1.0	0.6	247	24.7		8.2		27.7		93.1		6.6		4.4		9		86				<0.2		1.3	
					Middle	4.1	0.6	258	24.7	24.7	8.1	8.1	27.8	27.8	92.9	92.9	6.6		4.6		8		88				<0.2		1.4	
						4.1	0.7	272	24.7		8.1		27.8		92.9		6.6		4.7		7		89				<0.2		1.2	
					Bottom	7.1	0.3	253	24.6	24.6	8.2	8.2	28.3	28.3	93.0	93.0	6.6	6.6	5.0		7		90				<0.2		1.1	
						7.1	0.3	271	24.6		8.2		28.3		93.0		6.6		5.0		7		91				<0.2		1.2	
IM8	Cloudy	Moderate	05:37	7.8	Surface	1.0	0.3	172	24.6	24.6	8.0	8.0	28.8	28.8	94.1	94.2	6.7	6.7	6.4	7.4	12	13	84	87	821824	808130	<0.2	<0.2	1.5	1.5
						1.0	0.3	174	24.6		8.0		28.8		94.2		6.7		6.5		11		84				<0.2		1.4	
					Middle	3.9	0.2	171	24.6	24.6	8.0	8.0	28.9	28.9	93.9	93.9	6.6		7.6		13		87				<0.2		1.4	
						3.9	0.2	187	24.6		8.0		28.9		93.8		6.6		7.7		13		86				<0.2		1.5	
					Bottom	6.8	0.0	129	24.6	24.6	8.0	8.0	28.9	28.9	93.8	93.8	6.6	6.6	8.2		14		89				<0.2		1.4	
						6.8	0.0	131	24.6		8.0		28.9		93.7		6.6		8.1		13		90				<0.2		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 21 November 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	05:31	7.0	Surface	1.0	0.4	132	24.6	24.6	8.0	8.0	28.7	28.7	94.1	94.2	6.7	6.7	8.8	10.6	13	15	85	87	822109	808793	<0.2	<0.2	1.5	1.4
						1.0	0.4	142	24.6		8.0		28.7		94.2		6.7		8.8		14		84				<0.2		1.3	
					Middle	3.5	0.4	118	24.6	24.6	8.0	8.0	28.8	28.8	93.9	93.9	6.6		10.9		16		87				<0.2		1.6	
						3.5	0.4	120	24.6		8.0		28.8		93.8		6.6		10.9		16		86				<0.2		1.5	
					Bottom	6.0	0.3	93	24.6	24.6	8.0	8.0	28.8	28.8	93.3	93.4	6.6	6.6	11.8		16		89				<0.2		1.3	
						6.0	0.3	93	24.6		8.0		28.8		93.4		6.6		12.1		16		90				<0.2		1.4	
IM10	Cloudy	Moderate	05:25	7.1	Surface	1.0	0.6	113	24.5	24.5	8.0	8.0	29.3	29.3	93.1	93.1	6.6	6.6	10.6	13.5	19	17	84	87	822379	809806	<0.2	<0.2	1.6	1.6
						1.0	0.7	122	24.5		8.0		29.3		93.1		6.6		10.6		18		85				<0.2		1.8	
					Middle	3.6	0.5	104	24.5	24.5	8.0	8.0	29.4	29.4	93.0	93.0	6.6		13.4		18		87				<0.2		1.4	
						3.6	0.6	112	24.5		8.0		29.4		92.9		6.6		13.4		17		86				<0.2		1.6	
					Bottom	6.1	0.4	119	24.5	24.5	8.0	8.0	29.5	29.5	92.9	92.9	6.6	6.6	16.5		14		89				<0.2		1.5	
						6.1	0.5	124	24.5		8.0		29.5		92.8		6.6		16.7		15		89				<0.2		1.4	
IM11	Cloudy	Moderate	05:13	8.5	Surface	1.0	0.7	132	24.5	24.5	8.0	8.0	29.6	29.6	91.5	91.5	6.4	6.4	11.5	13.5	15	16	84	87	822080	811448	<0.2	<0.2	1.5	1.6
						1.0	0.7	141	24.5		8.0		29.6		91.5		6.5		11.7		16		85				<0.2		1.5	
					Middle	4.3	0.5	127	24.5	24.5	8.0	8.0	29.7	29.7	91.2	91.2	6.4		13.8		16		86				<0.2		1.5	
						4.3	0.5	132	24.5		8.0		29.7		91.2		6.4		14.0		14		87				<0.2		1.6	
					Bottom	7.5	0.4	133	24.5	24.5	8.0	8.0	29.7	29.7	91.2	91.2	6.4	6.4	15.1		17		89				<0.2		1.6	
						7.5	0.4	140	24.5		8.0		29.7		91.1		6.4		15.1		18		89				<0.2		1.6	
IM12	Cloudy	Moderate	05:07	8.0	Surface	1.0	0.6	128	24.5	24.5	8.0	8.0	29.8	29.8	91.8	91.8	6.5	6.5	13.8	16.3	7	12	84	87	821469	812036	<0.2	<0.2	1.5	1.5
						1.0	0.6	133	24.5		8.0		29.8		91.8		6.5		14.0		8		84				<0.2		1.4	
					Middle	4.0	0.5	130	24.5	24.5	8.0	8.0	29.8	29.8	91.5	91.5	6.4		16.3		12		87				<0.2		1.6	
						4.0	0.5	140	24.5		8.0		29.8		91.5		6.4		16.6		13		86				<0.2		1.5	
					Bottom	7.0	0.3	116	24.5	24.5	8.0	8.0	29.8	29.8	91.2	91.2	6.4	6.4	18.5		15		90				<0.2		1.4	
						7.0	0.3	122	24.5		8.0		29.8		91.2		6.4		18.7		16		89				<0.2		1.6	
SR1A	Cloudy	Moderate	04:47	4.9	Surface	1.0	-	-	24.5	24.5	8.0	8.0	29.7	29.7	89.9	89.9	6.3	6.3	8.9	10.5	5	7	-	-	819976	812665	-	-	-	-
						1.0	-	-	24.5		8.0		29.7		89.9		6.3		9.0		5		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	24.6	24.6	8.0	8.0	30.2	30.2	89.8	89.9	6.3	6.3	12.0		9		-				-		-	
						3.9	-	-	24.6		8.0		30.2		89.9		6.3		12.0		8		-				-		-	
SR2	Cloudy	Moderate	04:34	4.3	Surface	1.0	0.3	91	24.5	24.5	8.0	8.0	29.7	29.7	91.4	91.4	6.4	6.4	15.2	16.5	5	5	86	88	821446	814149	<0.2	<0.2	1.5	1.5
						1.0	0.4	93	24.5		8.0		29.7		91.4		6.4		15.3		6		86				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	66	24.5	24.5	8.0	8.0	29.7	29.7	91.4	91.4	6.4	6.4	17.7		5		89				<0.2		1.4	
						3.3	0.2	68	24.5		8.0		29.7		91.3		6.4		17.9		5		89				<0.2		1.5	
SR3	Cloudy	Moderate	05:43	8.8	Surface	1.0	0.5	190	24.7	24.7	8.0	8.0	28.5	28.5	92.0	92.0	6.5	6.5	9.9	13.0	9	12	-	-	822146	807561	-	-	-	-
						1.0	0.5	192	24.7		8.0		28.5		92.0		6.5		9.9		10		-				-		-	
					Middle	4.4	0.2	221	24.7	24.7	8.0	8.0	28.5	28.5	91.8	91.8	6.5		12.9		12		-				-		-	
						4.4	0.2	228	24.7		8.0		28.5		91.8		6.5		13.0		13		-				-		-	
					Bottom	7.8	0.1	308	24.6	24.6	8.0	8.0	28.5	28.5	91.7	91.7	6.5	6.5	15.9		13		-				-		-	
						7.8	0.1	336	24.6		8.0		28.5		91.7		6.5		16.1		12		-				-		-	
SR4A	Cloudy	Calm	04:14	9.2	Surface	1.0	0.1	82	24.9	24.9	8.2	8.2	29.6	29.6	92.3	92.3	6.5	6.5	7.4	8.4	14	14	-	-	817176	807795	-	-	-	-
						1.0	0.1	89	24.9		8.2		29.6		92.3		6.5		7.3		12		-				-		-	
					Middle	4.6	0.2	60	24.9	24.9	8.2	8.2	29.6	29.6	91.4	91.4	6.4		7.5		15		-				-		-	
						4.6	0.2	65	24.9		8.2		29.6		91.4		6.4		7.6		15		-				-		-	
					Bottom	8.2	0.1	68	24.8	24.8	8.2	8.2	29.7	29.7	90.5	90.5	6.3	6.3	10.9		15		-				-		-	
						8.2	0.1	73	24.8		8.2		29.7		90.5		6.3		10.1		14		-				-		-	
SR5A	Cloudy	Calm	03:57	4.6	Surface	1.0	0.1	12	24.8	24.8	8.2	8.2	29.7	29.7	91.7	91.7	6.4	6.4	10.0	10.2	14	16	-	-	816578	810708	-	-	-	-
						1.0	0.1	12	24.8		8.2		29.7		91.7		6.4		10.0		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	31	24.8	24.8	8.1	8.1	29.7	29.7	91.4	91.4	6.4	6.4	10.1		17		-				-		-	
						3.6	0.1	33	24.8		8.1		29.7		91.3		6.4		10.8		17		-				-		-	
SR6A	Cloudy	Calm	03:29	5.1	Surface	1.0	0.0	171	24.6	24.6	8.2	8.2	29.7	29.7	89.4	89.4	6.3	6.3	9.5	10.3	19	19	-	-	817951	814753	-	-	-	-
						1.0	0.0	178	24.6		8.2		29.7		89.4		6.3		9.5		18		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	232	24.6	24.6	8.2	8.2	29.7	29.7	89.9	89.9	6.3	6.3	11.4		20		-				-		-	
						4.1	0.0	241	24.6		8.2		29.7		89.9		6.3		10.9		20		-				-		-	
SR7	Cloudy	Moderate	03:45	15.8	Surface	1.0	0.4	91	24.4	24.4	8.0	8.0	30.3	30.3	89.6	89.6	6.3	6.3	3.3	4.0	5	6	-	-	823613	823752	-	-	-	-
						1.0	0.4	91	24.4		8.0		30.3		89.6		6.3		3.3		5		-				-		-	
					Middle	7.9	0.1	64	24.3	24.3	8.0	8.0	30.5	30.5	89.4	89.4	6.3		3.2		5		-				-		-	
						7.9	0.1	64	24.3		8.0		30.5		89.4		6.3		3.3		6		-				-		-	
					Bottom	14.8	0.1	52	24.2	24.2	8.0	8.0	31.2	31.2	88.0	88.0	6.2	6.2	5.5		7		-				-		-	
						14.8	0.1	54	24.2		8.0		31.2		88.0		6.2		5.4		6		-				-		-	
SR8	Cloudy	Moderate	04:57	4.7	Surface	1.0	-	-	24.8	24.8	8.0	8.0	29.0	29.0	93.7	93.7	6.6	6.6	9.4	11.7	5	5	-	-	820392	811645	-	-	-	-
						1.0	-	-	24.8		8.0		29.0		93.6		6.6		9.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	24.5	24.5	8.0	8.0	29.7	29.6	92.4	92.4	6.5	6.5	13.9		5		-				-		-	
						3.7	-	-	24.5		8.0		29.6		92.4		6.5		13.9		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 November 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	16:58	9.0	Surface	1.0	1.7	237	24.1	24.1	8.2	8.2	29.5	29.5	95.9	95.9	6.8	6.8	4.2	6.8	12	9	86	89	815605	804233	<0.2	<0.2	0.9	1.0
						1.0	1.8	241	24.1		8.2		29.5		95.9		6.8		4.2		11		86				<0.2		0.9	
					Middle	4.5	1.7	235	24.0	24.0	8.2	8.2	30.4	30.3	95.7	95.8	6.8		4.7		8		90				<0.2		0.9	
						4.5	1.7	235	24.0		8.2		30.3		95.8		6.8		4.7		9		91				<0.2		0.9	
					Bottom	8.0	1.8	232	23.9	23.9	8.2	8.2	31.4	31.4	96.7	96.7	6.8	6.8	11.7		7		91				<0.2		1.0	
						8.0	2.0	246	23.9		8.2		31.4		96.7		6.8		11.6		7		92				<0.2		1.1	
C2	Cloudy	Moderate	15:48	12.1	Surface	1.0	0.3	350	24.7	24.7	8.0	8.0	27.5	27.5	92.8	92.8	6.6	6.5	5.7	7.7	6	6	85	87	825699	806966	<0.2	<0.2	1.4	1.5
						1.0	0.3	322	24.7		8.0		27.5		92.8		6.6		5.7		6		84				<0.2		1.5	
					Middle	6.1	0.4	28	24.6	24.6	8.0	8.0	29.1	29.1	91.0	90.9	6.4		7.2		6		88				<0.2		1.6	
						6.1	0.4	28	24.6		8.0		29.1		90.8		6.4		7.4		6		88				<0.2		1.5	
					Bottom	11.1	0.4	346	24.4	24.4	8.0	8.0	29.9	29.9	89.1	89.2	6.3	6.3	9.9		5		90				<0.2		1.7	
						11.1	0.4	318	24.4		8.0		29.9		89.2		6.3		10.2		6		89				<0.2		1.5	
C3	Cloudy	Moderate	17:46	12.3	Surface	1.0	0.3	241	24.2	24.2	8.0	8.0	31.2	31.2	88.8	88.8	6.2	6.2	2.1	5.3	9	7	85	89	822096	817802	<0.2	<0.2	1.7	1.6
						1.0	0.3	253	24.2		8.0		31.2		88.7		6.2		2.1		8		86				<0.2		1.7	
					Middle	6.2	0.4	252	24.2	24.2	8.0	8.0	31.7	31.7	86.9	86.9	6.1		4.9		7		88				<0.2		1.6	
						6.2	0.4	274	24.2		8.0		31.7		86.9		6.1		4.9		6		89				<0.2		1.5	
					Bottom	11.3	0.4	266	24.1	24.1	8.0	8.0	31.8	31.8	87.1	87.1	6.1	6.1	9.0		6		92				<0.2		1.6	
						11.3	0.4	271	24.1		8.0		31.8		87.0		6.1		9.0		5		91				<0.2		1.6	
IM1	Cloudy	Moderate	16:38	4.6	Surface	1.0	0.0	240	24.6	24.6	8.2	8.2	29.8	29.8	94.3	94.3	6.6	6.6	8.8	9.7	10	10	86	88	817942	807151	<0.2	<0.2	0.9	1.0
						1.0	0.0	241	24.6		8.2		29.8		94.3		6.6		8.6		11		86				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	302	24.4	24.4	8.2	8.2	29.9	29.9	91.6	91.6	6.5	6.5	11.0		9		89				<0.2		1.0	
						3.6	0.0	326	24.4		8.2		29.9		91.6		6.5		10.3		8		90				<0.2		1.1	
IM2	Cloudy	Moderate	16:30	6.6	Surface	1.0	1.6	15	24.4	24.4	8.2	8.2	29.4	29.4	96.0	96.0	6.8	6.7	6.5	12.1	10	9	87	90	818139	806154	<0.2	<0.2	1.0	1.2
						1.0	1.7	15	24.4		8.2		29.4		95.9		6.8		6.3		9		87				<0.2		1.1	
					Middle	3.3	1.6	20	24.0	24.0	8.2	8.2	30.0	30.0	92.4	92.4	6.5		9.2		8		90				<0.2		1.2	
						3.3	1.6	20	24.0		8.2		30.0		92.3		6.5		9.3		9		90				<0.2		1.1	
					Bottom	5.6	1.7	27	23.9	23.9	8.2	8.2	30.3	30.3	91.1	91.1	6.5	6.5	20.6		8		91				<0.2		1.4	
						5.6	1.7	27	23.9		8.2		30.3		91.1		6.5		20.5		8		92				<0.2		1.5	
IM3	Cloudy	Moderate	16:21	6.9	Surface	1.0	2.3	245	24.4	24.4	8.2	8.2	29.3	29.3	97.2	97.2	6.9	6.8	5.0	9.4	9	9	86	89	818797	805615	<0.2	<0.2	1.0	1.1
						1.0	2.4	252	24.4		8.2		29.3		97.2		6.9		4.9		9		87				<0.2		1.2	
					Middle	3.5	2.3	244	24.2	24.2	8.2	8.2	29.5	29.5	94.3	94.3	6.7		7.3		9		90				<0.2		1.1	
						3.5	2.5	247	24.2		8.2		29.5		94.3		6.7		7.2		9		90				<0.2		1.2	
					Bottom	5.9	2.4	240	24.0	24.0	8.2	8.2	30.1	30.1	91.9	91.9	6.5	6.5	16.1		7		91				<0.2		1.1	
						5.9	2.5	260	24.0		8.2		30.1		91.9		6.5		16.1		8		92				<0.2		1.2	
IM4	Cloudy	Moderate	16:09	7.1	Surface	1.0	2.9	252	24.2	24.2	8.2	8.2	29.5	29.5	95.0	95.1	6.7	6.7	6.5	9.1	13	10	87	89	819721	804595	<0.2	<0.2	1.1	1.3
						1.0	2.9	258	24.2		8.2		29.5		95.1		6.7		6.5		13		88				<0.2		1.1	
					Middle	3.6	2.7	254	24.1	24.1	8.2	8.2	29.9	29.9	93.8	93.8	6.6		9.0		9		89				<0.2		1.2	
						3.6	2.7	263	24.1		8.2		29.9		93.8		6.6		9.0		9		90				<0.2		1.3	
					Bottom	6.1	2.9	254	24.1	24.1	8.2	8.2	29.9	29.9	93.4	93.4	6.6	6.6	11.9		9		91				<0.2		1.4	
						6.1	3.1	271	24.1		8.2		29.9		93.4		6.6		11.8		9		91				<0.2		1.4	
IM5	Cloudy	Moderate	15:59	6.7	Surface	1.0	2.0	276	24.2	24.2	8.2	8.2	29.4	29.4	94.6	94.6	6.7	6.7	7.6	8.0	9	9	86	89	820747	804847	<0.2	<0.2	1.3	1.3
						1.0	2.1	283	24.2		8.2		29.4		94.6		6.7		7.5		10		87				<0.2		1.2	
					Middle	3.4	2.0	270	24.2	24.2	8.2	8.2	29.4	29.4	94.4	94.4	6.7		7.8		8		89				<0.2		1.3	
						3.4	2.0	293	24.2		8.2		29.4		94.3		6.7		7.8		10		90				<0.2		1.3	
					Bottom	5.7	1.9	272	24.2	24.2	8.2	8.2	29.4	29.4	94.1	94.1	6.7	6.7	8.7		9		90				<0.2		1.3	
						5.7	2.0	286	24.2		8.2		29.4		94.1		6.7		8.7		9		91				<0.2		1.4	
IM6	Cloudy	Moderate	15:51	6.8	Surface	1.0	1.8	43	24.7	24.7	8.2	8.2	28.1	28.1	95.3	95.3	6.8	6.8	4.2	6.1	9	9	86	89	821069	805839	<0.2	<0.2	1.3	1.4
						1.0	1.8	45	24.7		8.2		28.1		95.3		6.8		4.1		10		87				<0.2		1.3	
					Middle	3.4	2.0	47	24.5	24.5	8.2	8.2	29.0	29.0	94.7	94.7	6.7		6.5		9		90				<0.2		1.4	
						3.4	2.0	47	24.5		8.2		29.0		94.7		6.7		6.6		9		90				<0.2		1.3	
					Bottom	5.8	2.1	49	24.5	24.5	8.2	8.2	29.4	29.4	93.6	93.6	6.6	6.6	7.6		8		91				<0.2		1.4	
						5.8	2.3	50	24.5		8.2		29.4		93.6		6.6		7.7		9		92				<0.2		1.4	
IM7	Cloudy	Moderate	15:46	7.9	Surface	1.0	2.4	299	24.7	24.7	8.2	8.2	28.0	28.0	94.5	94.5	6.7	6.7	3.8	4.8	8	7	86	89	821366	806814	<0.2	<0.2	1.4	1.5
						1.0	2.4	328	24.7		8.2		28.0		94.5		6.7		3.8		7		86				<0.2		1.4	
					Middle	4.0	2.5	300	24.7	24.7	8.2	8.2	28.1	28.1	94.1	94.1	6.7		4.2		7		89				<0.2		1.6	
						4.0	2.7	301	24.7		8.2		28.1		94.1		6.7		4.2		7		89				<0.2		1.4	
					Bottom	6.9	2.3	301	24.5	24.5	8.2	8.2	29.2	29.2	93.5	93.5	6.6	6.6	6.3		8		91				<0.2		1.7	
						6.9	2.5	327	24.5		8.2		29.2		93.4		6.6		6.4		7		92				<0.2		1.6	
IM8	Cloudy	Moderate	16:12	7.9	Surface	1.0	0.2	62	24.7	24.7	8.0	8.0	28.5	28.5	94.7	94.7	6.7	6.7	5.8	7.8	6	6	85	88	821819	808137	<0.2	<0.2	1.5	1.5
						1.0	0.2	66	24.7		8.0		28.5		94.7		6.7		5.9		7		85				<0.2		1.6	
					Middle	4.0	0.1	91	24.7	24.7	8.0	8.0	28.5	28.5	94.6	94.6	6.7		7.9		6		88				<0.2		1.5	
						4.0	0.1	92	24.7		8.0		28.5		94.5		6.7		7.9		5		89				<0.2		1.5	
					Bottom	6.9	0.1	121	24.6	24.6	8.0	8.0	29.0	29.0	93.9	93.9	6.6	6.6	9.7		6		90				<0.2		1.5	
						6.9	0.1	122	24.6		8.0		29.0		93.9		6.6		9.7		5		91				<0.2		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 21 November 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	16:19	7.4	Surface	1.0	0.1	27	24.6	24.6	8.0	8.0	28.6	28.6	94.4	94.4	6.7	6.7	6.3	8.1	6	7	85	88	822109	808808	<0.2	<0.2	1.6	1.6
						1.0	0.1	27	24.6		8.0		28.6		94.4		6.7		6.4		6		84				<0.2		1.6	
					Middle	3.7	0.1	47	24.6	24.6	8.0	8.0	28.7	28.7	93.6	93.6	6.6		8.0		6		88				<0.2		1.6	
						3.7	0.1	49	24.6		8.0		28.7		93.6		6.6		8.1		7		88				<0.2		1.4	
					Bottom	6.4	0.1	346	24.5	24.5	8.0	8.0	29.3	29.3	92.4	92.4	6.5	6.5	10.2		7		90				<0.2		1.5	
						6.4	0.1	318	24.5		8.0		29.3		92.4		6.5		9.8		7		90				<0.2		1.6	
IM10	Cloudy	Moderate	16:27	7.7	Surface	1.0	0.1	295	24.5	24.5	8.0	8.0	29.8	29.8	92.0	92.0	6.5	6.5	9.5	10.6	6	7	85	88	822365	809808	<0.2	<0.2	1.6	1.6
						1.0	0.1	317	24.5		8.0		29.8		91.9		6.5		9.6		6		84				<0.2		1.6	
					Middle	3.9	0.2	292	24.5	24.5	8.0	8.0	29.8	29.8	92.0	92.0	6.5		10.3		6		89				<0.2		1.6	
						3.9	0.2	294	24.5		8.0		29.8		92.0		6.5		10.2		7		89				<0.2		1.5	
					Bottom	6.7	0.2	292	24.5	24.5	8.0	8.0	29.8	29.8	92.7	92.7	6.5	6.5	11.8		7		91				<0.2		1.6	
						6.7	0.2	313	24.5		8.0		29.8		92.7		6.5		12.0		7		90				<0.2		1.7	
IM11	Cloudy	Moderate	16:40	7.5	Surface	1.0	0.2	315	24.4	24.4	8.0	8.0	30.1	30.1	90.3	90.3	6.4	6.4	7.8	9.2	6	7	85	88	822037	811480	<0.2	<0.2	1.6	1.6
						1.0	0.2	336	24.4		8.0		30.1		90.3		6.4		7.8		6		84				<0.2		1.5	
					Middle	3.8	0.2	293	24.4	24.4	8.0	8.0	30.2	30.2	89.7	89.7	6.3		8.9		7		88				<0.2		1.6	
						3.8	0.2	304	24.4		8.0		30.2		89.7		6.3		8.9		7		89				<0.2		1.6	
					Bottom	6.5	0.0	193	24.4	24.4	8.0	8.0	30.3	30.3	90.3	90.3	6.4	6.4	11.0		7		91				<0.2		1.5	
						6.5	0.0	211	24.4		8.0		30.3		90.3		6.4		11.0		7		91				<0.2		1.6	
IM12	Cloudy	Moderate	16:47	9.5	Surface	1.0	0.3	257	24.5	24.5	8.0	8.0	29.9	29.9	92.1	92.1	6.5	6.5	7.4	9.1	7	7	84	88	821444	812059	<0.2	<0.2	1.6	1.6
						1.0	0.3	259	24.5		8.0		29.9		92.1		6.5		7.4		6		85				<0.2		1.7	
					Middle	4.8	0.2	243	24.5	24.5	8.0	8.0	30.2	30.2	91.5	91.5	6.4		10.2		6		87				<0.2		1.6	
						4.8	0.2	245	24.5		8.0		30.2		91.5		6.4		10.1		7		88				<0.2		1.7	
					Bottom	8.5	0.2	229	24.5	24.5	8.0	8.0	30.2	30.2	92.2	92.3	6.5	6.5	9.7		7		91				<0.2		1.6	
						8.5	0.2	242	24.5		8.0		30.2		92.3		6.5		9.6		7		90				<0.2		1.5	
SR1A	Cloudy	Moderate	17:08	5.2	Surface	1.0	-	-	24.5	24.5	8.0	8.0	30.1	30.1	91.9	91.9	6.5	6.5	7.5	9.3	7	7	-	-	819979	812655	-	-	-	-
						1.0	-	-	24.5		8.0		30.1		91.9		6.5		7.5		9		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	24.5	24.5	8.0	8.0	30.1	30.1	91.2	91.3	6.4	6.4	11.1		6		-				-		-	
						4.2	-	-	24.5		8.0		30.1		91.3		6.4		11.2		7		-				-		-	
SR2	Cloudy	Moderate	17:23	4.8	Surface	1.0	0.0	81	24.4	24.4	8.0	8.0	30.1	30.1	91.3	91.3	6.4	6.4	6.1	7.5	6	6	86	88	821442	814148	<0.2	<0.2	1.5	1.6
						1.0	0.0	82	24.4		8.0		30.1		91.3		6.4		6.1		5		86				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	114	24.4	24.4	8.0	8.0	30.4	30.4	91.1	91.1	6.4	6.4	8.8		7		89				<0.2		1.7	
						3.8	0.0	114	24.4		8.0		30.4		91.1		6.4		8.9		6		89				<0.2		1.6	
SR3	Cloudy	Moderate	16:07	9.6	Surface	1.0	0.0	140	24.7	24.7	8.0	8.0	28.3	28.3	93.2	93.2	6.6	6.6	7.2	9.8	6	6	-	-	822123	807579	-	-	-	-
						1.0	0.0	144	24.7		8.0		28.3		93.2		6.6		7.2		5		-				-		-	
					Middle	4.8	0.1	105	24.6	24.6	8.0	8.0	28.5	28.5	92.5	92.6	6.5		9.5		6		-				-		-	
						4.8	0.1	113	24.6		8.0		28.5		92.6		6.5		9.6		6		-				-		-	
					Bottom	8.6	0.1	224	24.5	24.5	8.0	8.0	29.0	29.0	93.6	93.6	6.6	6.6	12.6		6		-				-		-	
						8.6	0.1	238	24.5		8.0		29.0		93.6		6.6		12.8		7		-				-		-	
SR4A	Cloudy	Calm	17:22	8.5	Surface	1.0	1.8	36	24.7	24.7	8.2	8.2	29.2	29.2	98.6	98.6	6.9	6.8	6.1	8.8	9	8	-	-	817166	807810	-	-	-	-
						1.0	1.9	37	24.7		8.2		29.2		98.5		6.9		6.3		8		-				-		-	
					Middle	4.3	1.9	37	24.5	24.5	8.2	8.2	29.4	29.3	94.7	94.8	6.7		10.4		7		-				-		-	
						4.3	2.1	40	24.5		8.2		29.3		94.8		6.7		10.3		7		-				-		-	
					Bottom	7.5	1.8	38	24.5	24.5	8.2	8.2	29.5	29.5	93.4	93.5	6.6	6.6	9.9		7		-				-		-	
						7.5	2.0	41	24.5		8.2		29.5		93.5		6.6		9.8		7		-				-		-	
SR5A	Cloudy	Calm	17:39	4.8	Surface	1.0	0.0	341	24.8	24.8	8.2	8.2	29.7	29.7	92.5	92.5	6.5	6.5	7.7	7.8	10	11	-	-	816596	810691	-	-	-	-
						1.0	0.0	314	24.7		8.2		29.7		92.5		6.5		7.7		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	344	24.7	24.7	8.2	8.2	29.7	29.7	92.4	92.4	6.5	6.5	7.8		12		-				-		-	
						3.8	0.0	316	24.7		8.2		29.7		92.4		6.5		7.8		12		-				-		-	
SR6A	Cloudy	Calm	18:08	4.2	Surface	1.0	0.0	192	24.6	24.6	8.2	8.2	29.2	29.2	92.5	92.5	6.5	6.5	11.0	17.6	20	15	-	-	817972	814746	-	-	-	-
						1.0	0.0	200	24.6		8.2		29.2		92.5		6.5		11.0		20		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	127	24.6	24.6	8.2	8.2	29.4	29.4	91.4	91.4	6.4	6.4	24.1		10		-				-		-	
						3.2	0.1	135	24.6		8.2		29.4		91.4		6.4		24.4		10		-				-		-	
SR7	Cloudy	Moderate	18:20	15.6	Surface	1.0	0.0	116	24.1	24.1	8.0	8.0	31.5	31.5	86.4	86.4	6.1	6.1	3.6	3.7	3	3	-	-	823629	823752	-	-	-	-
						1.0	0.0	120	24.1		8.0		31.5		86.4		6.1		3.5		4		-				-		-	
					Middle	7.8	0.1	184	24.2	24.2	8.0	8.0	31.8	31.8	87.4	87.5	6.1		3.7		3		-				-		-	
						7.8	0.1	198	24.2		8.0		31.8		87.6		6.1		3.7		4		-				-		-	
					Bottom	14.6	0.1	76	24.1	24.1	8.0	8.0	31.9	31.9	87.7	87.7	6.1	6.1	3.8		3		-				-		-	
						14.6	0.1	83	24.1		8.0		31.9		87.6		6.1		3.8		3		-				-		-	
SR8	Cloudy	Moderate	16:59	5.0	Surface	1.0	-	-	24.9	24.9	8.0	8.0	29.7	29.7	92.2	92.2	6.5	6.5	12.2	13.9	6	7	-	-	820401	811641	-	-	-	-
						1.0	-	-	24.9		8.0		29.7		92.1		6.4		12.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	24.5	24.5	8.0	8.0	29.9	29.9	91.8	91.8	6.5	6.5	15.5		9		-				-		-	
						4.0	-	-	24.5		8.0		29.9		91.8		6.5		15.5		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 24 November 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	08:47	8.0	Surface	1.0	1.1	99	23.8	23.8	8.3	8.3	30.8	30.8	97.5	97.5	6.9	6.9	1.4	4.5	5	5	85	88	815625	804246	<0.2	<0.2	0.8	0.9
						1.0	1.2	104	23.8		8.3		30.9		97.4		6.9		1.6		4		87				<0.2		0.9	
					Middle	4.0	1.3	102	24.0	24.0	8.3	8.3	31.4	31.4	97.0	97.0	6.8		4.1		5		88				<0.2		0.9	
						4.0	1.4	102	24.0		8.3		31.5		96.9		6.8		4.3		4		88				<0.2		1.0	
					Bottom	7.0	1.0	103	24.0	24.0	8.3	8.3	31.8	31.8	96.5	96.4	6.8	6.8	7.6		5		91				<0.2		0.9	
						7.0	1.1	103	24.0		8.3		31.8		96.3		6.8		8.0		4		90				<0.2		0.8	
C2	Cloudy	Rough	09:25	11.7	Surface	1.0	0.6	150	24.4	24.4	7.9	7.9	29.3	29.3	90.0	89.9	6.4	6.3	3.2	4.5	3	3	86	89	825660	806962	<0.2	<0.2	1.3	1.3
						1.0	0.6	159	24.4		7.9		29.3		89.7		6.3		3.0		3		86				<0.2		1.4	
					Middle	5.9	0.5	153	24.3	24.3	7.9	7.9	30.6	30.7	87.9	87.9	6.2		4.1		4		89				<0.2		1.3	
						5.9	0.6	157	24.3		7.9		30.7		87.8		6.2		4.2		3		90				<0.2		1.1	
					Bottom	10.7	0.3	153	24.3	24.3	7.9	7.9	31.0	31.0	88.9	89.4	6.2	6.3	6.3		3		90				<0.2		1.3	
						10.7	0.3	157	24.3		7.9		31.0		89.9		6.3		6.3		4		91				<0.2		1.3	
C3	Cloudy	Moderate	07:24	12.0	Surface	1.0	0.3	117	24.2	24.2	7.9	7.9	30.5	30.5	87.5	87.3	6.2	6.1	1.7	2.4	4	4	87	89	822117	817788	<0.2	<0.2	1.3	1.7
						1.0	0.3	119	24.2		7.9		30.5		87.0		6.1		1.8		4		87				<0.2		1.3	
					Middle	6.0	0.2	92	24.2	24.2	7.9	7.9	31.2	31.2	86.5	86.5	6.1		2.2		4		89				<0.2		2.0	
						6.0	0.2	92	24.2		7.9		31.2		86.5		6.1		2.2		4		90				<0.2		2.1	
					Bottom	11.0	0.2	68	24.2	24.2	7.9	7.9	31.7	31.7	88.0	88.1	6.2	6.2	3.1		3		91				<0.2		1.9	
						11.0	0.2	68	24.2		7.9		31.7		88.1		6.2		3.1		3		91				<0.2		1.7	
IM1	Cloudy	Moderate	09:11	4.8	Surface	1.0	0.1	205	24.0	24.0	8.2	8.2	30.7	30.7	94.1	94.1	6.6	6.6	3.0	6.8	4	4	86	88	817964	807145	<0.2	<0.2	1.1	1.2
						1.0	0.1	222	24.0		8.2		30.8		94.0		6.6		3.1		4		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	202	24.1	24.1	8.2	8.2	30.9	30.8	93.6	93.6	6.6	6.6	10.7		3		89				<0.2		1.3	
						3.8	0.1	214	24.0		8.2		30.8		93.6		6.6		10.2		4		89				<0.2		1.3	
IM2	Cloudy	Moderate	09:19	6.3	Surface	1.0	1.2	101	24.0	24.0	8.2	8.2	30.6	30.6	95.2	95.2	6.7	6.7	2.4	4.3	3	4	87	89	818156	806166	<0.2	<0.2	1.3	1.2
						1.0	1.3	105	24.0		8.2		30.6		95.1		6.7		2.4		3		86				<0.2		1.1	
					Middle	3.2	1.4	96	24.0	24.0	8.2	8.2	30.8	30.8	94.5	94.5	6.7		3.5		5		88				<0.2		1.1	
						3.2	1.5	104	24.0		8.2		30.8		94.4		6.7		3.9		4		89				<0.2		1.1	
					Bottom	5.3	1.6	97	24.0	24.0	8.2	8.2	31.1	31.1	94.9	95.0	6.7	6.7	6.7		6		91				<0.2		1.1	
						5.3	1.7	105	24.0		8.2		31.1		95.0		6.7		6.7		5		90				<0.2		1.2	
IM3	Cloudy	Moderate	09:27	6.8	Surface	1.0	1.2	323	24.1	24.1	8.3	8.3	30.8	30.8	93.0	92.9	6.6	6.3	3.9	7.1	2	3	86	88	818782	805602	<0.2	<0.2	1.2	1.1
						1.0	1.3	338	24.1		8.3		30.8		92.7		6.5		4.0		2		87				<0.2		1.0	
					Middle	3.4	1.0	316	24.1	24.1	8.2	8.2	30.9	30.9	86.3	86.4	6.1		8.1		4		88				<0.2		1.1	
						3.4	1.0	335	24.1		8.2		30.9		86.4		6.1		8.1		3		88				<0.2		1.1	
					Bottom	5.8	1.1	320	24.1	24.1	8.2	8.2	31.0	31.0	94.3	94.3	6.6	6.6	9.6		4		91				<0.2		1.0	
						5.8	1.1	320	24.1		8.2		31.0		94.3		6.6		9.2		4		90				<0.2		1.1	
IM4	Cloudy	Moderate	09:38	7.8	Surface	1.0	2.3	143	24.0	24.0	8.2	8.2	29.8	29.8	95.5	95.5	6.8	6.8	2.8	4.3	5	4	85	87	819720	804607	<0.2	<0.2	1.1	0.9
						1.0	2.4	156	24.0		8.2		29.9		95.5		6.8		2.9		4		86				<0.2		0.9	
					Middle	3.9	2.1	143	24.0	24.0	8.2	8.2	30.7	30.7	95.1	95.1	6.7		4.8		4		88				<0.2		0.9	
						3.9	2.2	144	24.0		8.2		30.7		95.1		6.7		4.9		5		87				<0.2		0.7	
					Bottom	6.8	2.3	136	24.0	24.0	8.2	8.2	30.8	30.8	95.2	95.2	6.7	6.7	5.2		3		90				<0.2		0.9	
						6.8	2.5	147	24.0		8.2		30.8		95.2		6.7		5.2		3		88				<0.2		0.9	
IM5	Cloudy	Moderate	09:48	7.2	Surface	1.0	2.1	178	24.1	24.1	8.2	8.2	29.0	29.0	95.2	95.2	6.8	6.8	2.9	3.7	3	3	86	88	820725	804863	<0.2	<0.2	1.0	0.9
						1.0	2.1	187	24.1		8.2		29.0		95.2		6.8		3.1		3		86				<0.2		0.9	
					Middle	3.6	2.3	179	24.0	24.0	8.2	8.2	30.9	30.9	95.2	95.2	6.7		4.0		2		88				<0.2		0.9	
						3.6	2.3	185	24.0		8.2		30.9		95.2		6.7		4.0		3		87				<0.2		0.8	
					Bottom	6.2	2.2	173	24.0	24.0	8.2	8.2	30.9	30.9	95.6	95.7	6.7	6.8	4.1		3		91				<0.2		0.9	
						6.2	2.4	175	24.0		8.2		30.9		95.8		6.8		4.1		2		90				<0.2		0.9	
IM6	Cloudy	Moderate	09:58	6.8	Surface	1.0	0.8	28	24.2	24.2	8.2	8.2	28.8	28.8	94.2	94.2	6.7	6.7	2.3	3.5	2	3	87	88	821041	805838	<0.2	<0.2	0.9	0.8
						1.0	0.8	29	24.2		8.2		28.9		94.2		6.7		2.3		3		86				<0.2		0.9	
					Middle	3.4	1.0	19	24.1	24.1	8.2	8.2	29.6	29.7	94.5	94.6	6.7		3.3		2		88				<0.2		0.8	
						3.4	1.0	20	24.1		8.2		29.8		94.6		6.7		3.6		3		88				<0.2		0.8	
					Bottom	5.8	0.9	25	24.0	24.0	8.2	8.2	30.4	30.4	95.3	95.4	6.7	6.7	4.8		3		91				<0.2		0.8	
						5.8	0.9	27	24.0		8.2		30.4		95.4		6.7		4.7		3		90				<0.2		0.8	
IM7	Cloudy	Moderate	10:08	8.0	Surface	1.0	2.4	281	24.2	24.2	8.2	8.2	28.8	28.9	93.9	94.0	6.7	6.7	2.6	3.6	4	4	86	88	821367	806820	<0.2	<0.2	0.8	0.8
						1.0	2.5	294	24.2		8.2		28.9		94.0		6.7		2.7		3		86				<0.2		0.9	
					Middle	4.0	2.1	280	24.1	24.1	8.2	8.2	30.1	30.2	94.3	94.4	6.7		3.6		4		88				<0.2		0.8	
						4.0	2.1	299	24.1		8.2		30.3		94.4		6.7		3.8		3		88				<0.2		0.8	
					Bottom	7.0	2.2	279	24.1	24.1	8.2	8.2	30.8	30.8	94.9	95.0	6.7	6.7	4.5		5		91				<0.2		0.8	
						7.0	2.2	290	24.1		8.2		30.8		95.0		6.7		4.6		4		90				<0.2		0.9	
IM8	Cloudy	Moderate	08:56	7.7	Surface	1.0	0.1	162	24.3	24.3	7.9	7.9	29.3	29.3	92.5	92.6	6.6	6.6	2.7	3.5	4	4	87	89	821842	808160	<0.2	<0.2	1.3	1.4
						1.0	0.1	176	24.3		7.9		29.3		92.7		6.6		2.7		3		88				<0.2		1.2	
					Middle	3.9	0.1	135	24.2	24.2	7.9	7.8	29.5	29.5	93.5	93.7	6.6		3.1		4		89				<0.2		1.4	
						3.9	0.1	136	24.2		7.7		29.5		93.8		6.6		3.2		3		90				<0.2		1.3	
					Bottom	6.7	0.2	57	24.1	24.1	7.9	7.9	31.4	31.4	95.2	95.2	6.7	6.7	4.5		3		90				<0.2		1.5	
						6.7	0.2	60	24.1		7.9		31.4		95.2		6.7		4.5		4		91				<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 24 November 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	08:51	7.2	Surface	1.0	0.3	119	24.3	24.3	7.9	7.8	29.5	29.5	92.4	92.6	6.5	6.6	3.1	4.1	4	4	85	88	822095	808812	<0.2	<0.2	1.2	1.3
						1.0	0.3	124	24.3		7.7		29.5		92.8		6.6		3.2		3		85				<0.2		1.3	
					Middle	3.6	0.3	95	24.3	24.2	7.9	7.9	29.6	29.6	93.4	93.6	6.6		3.7		3		88				<0.2		1.4	
						3.6	0.3	100	24.2		7.9		29.6		93.7		6.6		3.8		4		89				<0.2		1.2	
					Bottom	6.2	0.2	65	24.1	24.1	7.9	7.9	31.2	31.2	94.4	94.4	6.6	6.6	5.3		3		90				<0.2		1.4	
						6.2	0.2	66	24.1		7.9		31.2		94.3		6.6		5.2		4		91				<0.2		1.4	
IM10	Cloudy	Moderate	08:43	7.5	Surface	1.0	0.4	134	24.3	24.3	7.9	7.9	29.4	29.4	92.7	92.7	6.6	6.6	3.2	4.4	4	3	85	88	822392	809780	<0.2	<0.2	1.3	1.3
						1.0	0.4	134	24.3		7.9		29.4		92.7		6.6		3.2		3		85				<0.2		1.2	
					Middle	3.8	0.4	133	24.3	24.3	7.9	7.9	29.4	29.4	93.6	93.7	6.6		4.4		3		89				<0.2		1.2	
						3.8	0.4	142	24.3		7.9		29.4		93.7		6.6		4.5		4		89				<0.2		1.3	
					Bottom	6.5	0.4	106	24.2	24.2	8.0	7.9	31.1	31.1	95.6	95.6	6.7	6.7	5.6		3		89				<0.2		1.3	
						6.5	0.4	106	24.2		7.8		31.1		95.6		6.7		5.5		3		90				<0.2		1.3	
IM11	Cloudy	Moderate	08:30	7.6	Surface	1.0	0.4	130	24.3	24.3	7.9	7.9	29.7	29.7	90.9	90.9	6.4	6.4	4.1	5.5	4	4	85	88	822069	811483	<0.2	<0.2	1.1	1.2
						1.0	0.5	130	24.3		7.9		29.7		90.9		6.4		4.3		4		85				<0.2		1.2	
					Middle	3.8	0.4	126	24.3	24.3	7.9	7.9	30.0	30.0	89.8	89.7	6.3		5.7		4		89				<0.2		1.2	
						3.8	0.5	136	24.3		7.9		30.0		89.6		6.3		5.9		3		89				<0.2		1.2	
					Bottom	6.6	0.3	114	24.3	24.3	7.9	7.9	30.4	30.4	90.9	91.0	6.4	6.4	6.4		3		90				<0.2		1.3	
						6.6	0.3	125	24.3		7.9		30.4		91.0		6.4		6.3		3		91				<0.2		1.4	
IM12	Cloudy	Moderate	08:23	9.0	Surface	1.0	0.3	111	24.3	24.3	7.9	7.9	29.7	29.7	87.6	87.4	6.2	6.2	3.8	4.7	3	3	84	88	821449	812046	<0.2	<0.2	1.1	1.2
						1.0	0.4	114	24.3		7.9		29.7		87.1		6.2		4.0		3		85				<0.2		1.3	
					Middle	4.5	0.4	117	24.4	24.4	7.9	7.9	30.2	30.2	86.3	86.4	6.1		5.0		2		88				<0.2		1.2	
						4.5	0.4	128	24.4		7.9		30.2		86.4		6.1		5.0		3		89				<0.2		1.2	
					Bottom	8.0	0.3	120	24.4	24.4	7.9	7.9	30.7	30.7	88.9	89.4	6.2	6.3	5.3		4		90				<0.2		1.2	
						8.0	0.3	120	24.4		7.9		30.7		89.8		6.3		5.2		3		90				<0.2		1.3	
SR1A	Cloudy	Calm	08:02	5.0	Surface	1.0	-	-	24.3	24.3	7.9	7.9	29.4	29.4	88.1	88.0	6.2	6.2	3.0	3.3	2	3	-	-	819975	812665	-	-	-	-
						1.0	-	-	24.3		7.9		29.5		87.9		6.2		3.0		3		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	24.4	24.4	7.9	7.9	29.8	29.8	88.5	89.1	6.2	6.3	3.5		4		-				-		-	
						4.0	-	-	24.4		7.9		29.8		89.7		6.3		3.5		4		-				-		-	
SR2	Cloudy	Moderate	07:49	4.9	Surface	1.0	0.3	104	24.3	24.3	7.9	7.9	29.6	29.6	91.4	91.5	6.5	6.5	4.2	3.9	4	4	85	88	821456	814162	<0.2	<0.2	1.1	1.2
						1.0	0.3	107	24.3		7.9		29.6		91.5		6.5		4.0		4		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	97	24.4	24.3	7.9	7.9	30.2	30.1	94.6	95.2	6.7	6.8	3.5		4		90				<0.2		1.2	
						3.9	0.2	97	24.3		7.9		30.1		95.7		6.8		3.7		3		90				<0.2		1.1	
SR3	Cloudy	Moderate	09:02	9.0	Surface	1.0	0.2	209	24.2	24.2	7.9	7.9	29.2	29.2	92.8	92.8	6.6	6.6	3.0	3.5	3	3	-	-	822167	807587	-	-	-	-
						1.0	0.2	224	24.2		7.9		29.2		92.8		6.6		3.0		3		-				-		-	
					Middle	4.5	0.1	199	24.3	24.3	7.9	7.9	29.6	29.6	92.9	93.0	6.6		3.5		4		-				-		-	
						4.5	0.1	205	24.3		7.9		29.6		93.0		6.6		3.5		3		-				-		-	
					Bottom	8.0	0.2	49	24.0	24.0	8.0	8.0	31.4	31.4	94.4	94.5	6.6	6.6	4.0		3		-				-		-	
						8.0	0.2	53	24.0		8.0		31.4		94.5		6.6		4.2		4		-				-		-	
SR4A	Cloudy	Moderate	08:26	8.8	Surface	1.0	1.2	243	24.1	24.1	8.2	8.2	30.8	30.8	94.5	94.5	6.7	6.7	3.3	3.9	2	5	-	-	817199	807799	-	-	-	-
						1.0	1.3	254	24.1		8.2		30.8		94.4		6.7		3.4		3		-				-		-	
					Middle	4.4	1.4	244	24.1	24.1	8.2	8.2	31.0	31.0	94.0	94.0	6.6		4.1		4		-				-		-	
						4.4	1.5	265	24.1		8.2		31.0		94.0		6.6		4.0		4		-				-		-	
					Bottom	7.8	1.0	238	24.1	24.1	8.2	8.2	31.0	31.0	93.9	94.0	6.6	6.6	4.2		4		-				-		-	
						7.8	1.1	248	24.1		8.2		31.0		94.0		6.6		4.2		15		-				-		-	
SR5A	Cloudy	Moderate	08:07	3.4	Surface	1.0	0.0	324	24.3	24.3	8.2	8.2	30.3	30.3	90.4	90.4	6.4	6.4	12.1	13.1	2	3	-	-	816590	810685	-	-	-	-
						1.0	0.0	334	24.3		8.2		30.3		90.4		6.4		13.1		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.0	7	24.1	24.1	8.2	8.2	30.7	30.7	90.4	90.5	6.4	6.4	14.0		4		-				-		-	
						2.4	0.0	7	24.1		8.2		30.7		90.5		6.4		13.5		5		-				-		-	
SR6A	Cloudy	Moderate	07:37	4.3	Surface	1.0	0.1	49	24.3	24.3	8.2	8.2	29.4	29.4	84.8	84.8	6.0	6.0	13.7	14.9	3	12	-	-	817954	814718	-	-	-	-
						1.0	0.1	53	24.3		8.2		29.4		84.7		6.0		13.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	44	24.3	24.3	8.2	8.2	29.5	29.5	84.8	84.9	6.0	6.0	16.1		20		-				-		-	
						3.3	0.1	45	24.3		8.2		29.5		84.9		6.0		16.1		21		-				-		-	
SR7	Cloudy	Calm	06:48	18.4	Surface	1.0	0.4	99	24.0	24.0	7.9	7.9	31.3	31.3	86.1	86.1	6.1	6.1	1.3	1.7	4	4	-	-	823656	823724	-	-	-	-
						1.0	0.4	103	24.1		7.9		31.3		86.1		6.1		1.3		4		-				-		-	
					Middle	9.2	0.1	107	24.1	24.1	7.9	7.9	31.9	31.9	85.4	85.4	6.0		1.3		4		-				-		-	
						9.2	0.1	116	24.1		7.9		31.9		85.4		6.0		1.3		4		-				-		-	
					Bottom	17.4	0.1	87	24.1	24.1	7.9	7.9	31.9	31.9	85.4	85.4	6.0	6.0	2.4		4		-				-		-	
						17.4	0.1	91	24.1		7.9		31.9		85.4		6.0		2.4		4		-				-		-	
SR8	Cloudy	Calm	08:13	5.3	Surface	1.0	-	-	24.6	24.6	7.9	7.9	29.4	29.4	91.8	91.9	6.5	6.5	3.5	3.7	4	3	-	-	820399	811624	-	-	-	-
						1.0	-	-	24.6		7.9		29.4		92.0		6.5		3.5		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	24.4	24.4	7.9	7.9	29.5	29.5	95.2	95.3	6.7	6.7	4.0		3		-				-		-	
						4.3	-	-	24.4		7.9		29.5		95.4		6.7		3.9		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 November 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	15:44	8.0	Surface	1.0	0.1	353	24.2	24.2	8.3	8.3	31.4	31.4	98.5	98.5	6.9	6.9	5.8	10.2	5	5	86	88	815631	804231	<0.2	<0.2	0.9	0.9
						1.0	0.1	3	24.2		8.3		31.4		98.5		6.9		5.9		4		85				<0.2		0.9	
					Middle	4.0	0.1	27	24.1	24.1	8.3	8.3	31.8	31.8	97.8	97.8	6.8		9.0		6		88				<0.2		0.9	
						4.0	0.1	27	24.1		8.3		31.8		97.8		6.8		9.3		5		87				<0.2		1.0	
					Bottom	7.0	0.1	10	24.2	24.2	8.3	8.3	31.8	31.8	97.7	97.7	6.8	6.8	15.4		5		91				<0.2		0.8	
						7.0	0.1	10	24.2		8.3		31.8		97.7		6.8		15.7		6		90				<0.2		0.8	
C2	Fine	Moderate	14:24	11.9	Surface	1.0	0.0	151	24.7	24.7	8.0	8.0	28.5	28.5	87.6	87.5	6.2	6.2	3.1	4.8	5	5	85	88	825663	806948	<0.2	<0.2	1.2	1.3
						1.0	0.0	165	24.6		8.0		28.6		87.3		6.2		3.2		4		86				<0.2		1.2	
					Middle	6.0	0.2	308	24.5	24.5	8.0	8.0	30.2	30.2	86.1	86.1	6.1		4.9		5		89				<0.2		1.3	
						6.0	0.2	324	24.5		8.0		30.2		86.1		6.1		5.1		4		89				<0.2		1.4	
					Bottom	10.9	0.3	331	24.4	24.4	8.0	8.0	30.5	30.5	85.7	85.8	6.0	6.0	6.1		6		90				<0.2		1.2	
						10.9	0.3	342	24.4		8.0		30.5		85.9		6.0		6.2		5		91				<0.2		1.4	
C3	Fine	Moderate	16:12	12.0	Surface	1.0	0.4	276	24.4	24.4	8.0	8.0	30.3	30.3	88.7	88.4	6.2	6.1	2.0	2.9	7	5	86	88	822101	817798	<0.2	<0.2	1.7	1.6
						1.0	0.4	285	24.4		8.0		30.3		88.1		6.2		2.0		6		86				<0.2		1.7	
					Middle	6.0	0.5	267	24.2	24.2	8.0	7.9	31.6	31.6	85.5	85.6	6.0		3.1		3		88				<0.2		1.5	
						6.0	0.5	268	24.2		7.9		31.6		85.6		6.0		3.3		3		88				<0.2		1.6	
					Bottom	11.0	0.2	276	24.2	24.2	8.0	8.0	31.7	31.7	87.3	87.4	6.1	6.1	3.5		4		90				<0.2		1.7	
						11.0	0.2	281	24.2		8.0		31.7		87.4		6.1		3.5		4		90				<0.2		1.6	
IM1	Cloudy	Moderate	15:13	4.6	Surface	1.0	2.1	342	24.4	24.4	8.2	8.2	30.8	30.8	96.4	96.3	6.8	6.8	6.0	8.2	3	4	87	88	817962	807125	<0.2	<0.2	0.9	0.9
						1.0	2.3	354	24.4		8.2		30.8		96.2		6.7		6.4		4		86				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	2.2	344	24.3	24.3	8.2	8.2	30.9	30.9	96.1	96.2	6.7	6.8	10.1		4		89				<0.2		0.8	
						3.6	2.2	350	24.3		8.2		30.9		96.3		6.8		10.3		5		90				<0.2		0.9	
IM2	Cloudy	Moderate	15:06	6.6	Surface	1.0	2.6	352	24.5	24.5	8.3	8.3	30.5	30.5	98.1	98.0	6.9	6.9	3.8	6.3	4	4	86	88	818151	806185	<0.2	<0.2	0.8	0.8
						1.0	2.7	324	24.5		8.3		30.5		97.8		6.9		4.1		5		85				<0.2		1.0	
					Middle	3.3	2.3	353	24.4	24.4	8.2	8.2	30.7	30.7	96.7	96.7	6.8		5.3		4		87				<0.2		0.8	
						3.3	2.4	325	24.4		8.2		30.7		96.6		6.8		5.8		4		88				<0.2		0.7	
					Bottom	5.6	2.2	353	24.3	24.3	8.2	8.2	30.8	30.8	95.5	95.5	6.7	6.7	9.0		4		91				<0.2		0.8	
						5.6	2.2	325	24.3		8.2		30.8		95.5		6.7		9.5		5		90				<0.2		0.9	
IM3	Cloudy	Moderate	14:59	6.8	Surface	1.0	2.1	290	24.3	24.3	8.2	8.2	30.6	30.6	95.9	95.8	6.7	6.7	4.6	8.1	4	4	86	87	818770	805616	<0.2	<0.2	0.9	1.0
						1.0	2.3	291	24.3		8.2		30.7		95.7		6.7		4.9		5		85				<0.2		1.0	
					Middle	3.4	2.1	285	24.3	24.3	8.2	8.2	30.8	30.8	95.4	95.4	6.7		6.7		5		87				<0.2		0.9	
						3.4	2.2	296	24.3		8.2		30.8		95.4		6.7		6.7		4		87				<0.2		0.8	
					Bottom	5.8	2.1	286	24.2	24.2	8.2	8.2	30.9	30.9	95.6	95.6	6.7	6.7	12.4		3		89				<0.2		1.0	
						5.8	2.2	299	24.2		8.2		30.9		95.6		6.7		13.0		4		89				<0.2		1.1	
IM4	Cloudy	Moderate	14:49	7.9	Surface	1.0	2.6	273	24.4	24.4	8.2	8.2	30.3	30.4	97.4	97.5	6.9	6.8	3.1	8.0	3	4	86	88	819741	804595	<0.2	<0.2	0.8	0.9
						1.0	2.9	274	24.4		8.2		30.4		97.5		6.9		3.5		3		85				<0.2		0.9	
					Middle	4.0	2.6	271	24.1	24.1	8.2	8.2	30.9	30.9	94.7	94.8	6.7		8.6		3		87				<0.2		0.8	
						4.0	2.9	283	24.1		8.2		30.9		94.8		6.7		9.0		3		88				<0.2		0.8	
					Bottom	6.9	2.8	269	24.1	24.1	8.2	8.2	31.0	31.0	95.5	95.6	6.7	6.7	11.8		2		89				<0.2		1.0	
						6.9	2.9	284	24.1		8.2		31.0		95.6		6.7		11.9		9		90				<0.2		0.8	
IM5	Cloudy	Moderate	14:39	7.2	Surface	1.0	2.4	299	24.2	24.2	8.2	8.2	30.8	30.8	95.6	95.6	6.7	6.7	7.5	8.5	5	6	84	88	820720	804854	<0.2	<0.2	0.9	0.9
						1.0	2.5	299	24.2		8.2		30.8		95.5		6.7		7.8		10		86				<0.2		0.8	
					Middle	3.6	2.4	298	24.2	24.2	8.2	8.2	30.8	30.8	95.4	95.4	6.7		8.4		8		88				<0.2		0.9	
						3.6	2.5	320	24.2		8.2		30.8		95.4		6.7		8.4		4		87				<0.2		0.8	
					Bottom	6.2	2.4	299	24.2	24.2	8.2	8.2	30.8	30.8	95.8	95.9	6.7	6.8	9.0		3		90				<0.2		0.8	
						6.2	2.7	301	24.2		8.2		30.8		96.0		6.8		10.0		5		90				<0.2		0.9	
IM6	Cloudy	Moderate	14:31	7.0	Surface	1.0	1.8	0	24.8	24.8	8.2	8.2	28.9	28.9	94.8	94.8	6.7	6.7	3.7	4.3	6	5	85	88	821050	805836	<0.2	<0.2	0.7	0.8
						1.0	1.8	0	24.7		8.2		28.9		94.8		6.7		3.9		7		85				<0.2		0.7	
					Middle	3.5	1.8	5	24.7	24.7	8.2	8.2	28.9	28.9	94.7	94.7	6.7		4.4		6		87				<0.2		0.8	
						3.5	1.8	5	24.7		8.2		28.9		94.7		6.7		4.4		2		88				<0.2		0.7	
					Bottom	6.0	2.2	3	24.7	24.7	8.2	8.2	28.9	28.9	94.7	94.8	6.7	6.7	4.7		3		91				<0.2		0.9	
						6.0	2.2	3	24.7		8.2		28.9		94.8		6.7		4.7		5		90				<0.2		0.9	
IM7	Cloudy	Moderate	14:24	8.1	Surface	1.0	1.9	293	25.0	25.0	8.2	8.2	28.8	28.8	93.2	93.2	6.5	6.6	8.5	4.8	5	4	84	88	821325	806839	<0.2	<0.2	0.8	0.8
						1.0	2.0	295	25.0		8.2		28.8		93.2		6.5		8.5		5		86				<0.2		0.9	
					Middle	4.1	1.8	292	25.0	25.0	8.2	8.2	28.9	28.9	93.3	93.3	6.6		2.2		5		87				<0.2		0.8	
						4.1	1.9	297	24.9		8.2		28.9		93.3		6.6		2.3		4		88				<0.2		0.8	
					Bottom	7.1	1.7	295	24.9	24.9	8.1	8.1	28.9	28.9	93.9	94.0	6.6	6.6	3.5		3		91				<0.2		0.9	
						7.1	1.9	319	24.9		8.1		28.9		94.0		6.6		3.5		4		90				<0.2		0.8	
IM8	Fine	Moderate	14:45	7.4	Surface	1.0	0.1	249	24.6	24.6	8.0	8.0	29.4	29.4	94.9	94.9	6.7	6.7	4.3	5.3	3	5	86	89	821827	808137	<0.2	<0.2	1.4	1.5
						1.0	0.1	261	24.6		8.0		29.4		94.8		6.7		4.3		4		86				<0.2		1.6	
					Middle	3.7	0.2	255	24.5	24.5	8.0	8.0	29.4	29.4	94.7	94.7	6.7		5.2		6		89				<0.2		1.5	
						3.7	0.2	276	24.6		8.0		29.5		94.7		6.7		5.2		5		90				<0.2		1.5	
					Bottom	6.4	0.1	242	24.6	24.6	8.0	8.0	29.5	29.5	95.7	95.8	6.7	6.8	6.3		6		90				<0.2		1.6	
						6.4	0.1	247	24.6		8.0		29.5		95.8		6.8		6.4		5		91				<0.2		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 November 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	14:50	7.0	Surface	1.0	0.2	253	24.5	24.5	8.0	8.0	29.5	29.5	94.0	94.0	6.6	6.6	8.5	9.0	7	6	86	89	822089	808814	<0.2	<0.2	1.3	1.2
						1.0	0.2	261	24.5		8.0		29.5		94.0		6.6		8.5		6		86				<0.2		1.2	
					Middle	3.5	0.2	230	24.5	24.5	8.0	8.0	29.5	29.5	94.1	94.2	6.6		9.3		6		89				<0.2		1.2	
						3.5	0.2	245	24.5		8.0		29.5		94.2		6.6		9.3		7		89				<0.2		1.2	
					Bottom	6.0	0.2	237	24.5	24.5	8.0	8.0	29.5	29.5	95.4	95.6	6.7	6.7	9.3		6		90				<0.2		1.1	
						6.0	0.2	253	24.5		8.0		29.5		95.7		6.7		9.1		6		91				<0.2		1.2	
IM10	Fine	Moderate	14:58	7.4	Surface	1.0	0.3	289	24.6	24.6	8.0	8.0	29.5	29.5	94.9	94.7	6.7	6.7	5.2	7.9	9	7	85	88	822385	809808	<0.2	<0.2	1.2	1.2
						1.0	0.3	299	24.6		8.0		29.5		94.5		6.7		5.5		10		85				<0.2		1.2	
					Middle	3.7	0.3	280	24.4	24.4	8.0	8.0	29.6	29.6	94.4	94.3	6.7		9.6		7		88				<0.2		1.2	
						3.7	0.3	283	24.4		8.0		29.6		94.2		6.7		9.5		6		89				<0.2		1.2	
					Bottom	6.4	0.3	277	24.4	24.4	8.0	8.0	29.6	29.6	95.3	95.3	6.7	6.7	8.8		5		90				<0.2		1.2	
						6.4	0.3	279	24.4		8.0		29.6		95.3		6.7		8.8		6		90				<0.2		1.2	
IM11	Fine	Moderate	15:10	7.2	Surface	1.0	0.4	289	24.6	24.6	8.0	8.0	29.8	29.8	93.2	92.9	6.6	6.5	4.1	6.1	8	7	84	87	822053	811457	<0.2	<0.2	1.4	1.2
						1.0	0.4	292	24.6		8.0		29.8		92.6		6.5		4.4		8		85				<0.2		1.2	
					Middle	3.6	0.3	303	24.4	24.4	8.0	7.5	29.9	29.9	91.5	91.6	6.5		6.9		7		86				<0.2		1.2	
						3.6	0.3	323	24.4		7.1		29.9		91.6		6.5		6.9		6		87				<0.2		1.1	
					Bottom	6.2	0.3	289	24.3	24.3	8.0	8.0	29.9	29.9	93.0	93.3	6.6	6.6	7.1		5		89				<0.2		1.1	
						6.2	0.3	314	24.4		8.0		29.9		93.5		6.6		7.1		5		89				<0.2		1.2	
IM12	Fine	Moderate	15:17	9.0	Surface	1.0	0.2	308	24.7	24.7	8.0	8.0	29.8	29.8	92.7	92.4	6.5	6.4	5.4	6.1	6	7	85	87	821439	812031	<0.2	<0.2	1.2	1.2
						1.0	0.2	325	24.7		8.0		29.8		92.0		6.5		5.5		6		85				<0.2		1.2	
					Middle	4.5	0.3	311	24.6	24.6	8.0	8.0	30.1	30.1	90.0	89.9	6.3		5.9		7		88				<0.2		1.1	
						4.5	0.3	321	24.6		8.0		30.1		89.8		6.3		6.0		7		88				<0.2		1.2	
					Bottom	8.0	0.2	315	24.5	24.5	8.0	8.0	30.4	30.4	91.1	91.2	6.4	6.4	6.8		6		89				<0.2		1.3	
						8.0	0.2	325	24.5		8.0		30.4		91.3		6.4		6.9		7		89				<0.2		1.1	
SR1A	Fine	Calm	15:36	4.9	Surface	1.0	-	-	24.7	24.7	7.9	7.9	29.6	29.6	92.9	92.8	6.5	6.5	4.0	4.3	5	5	-	-	819970	812658	-	-	-	-
						1.0	-	-	24.7		7.9		29.6		92.7		6.5		4.0		4		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	24.7	24.7	7.9	7.9	29.8	29.8	94.5	94.6	6.6	6.6	4.6		6		-				-		-	
						3.9	-	-	24.7		7.9		29.8		94.7		6.6		4.6		6		-				-		-	
SR2	Fine	Calm	15:49	3.6	Surface	1.0	0.1	326	24.5	24.5	7.9	7.9	30.4	30.4	88.7	88.8	6.2	6.2	5.1	6.1	6	5	85	87	821484	814165	<0.2	<0.2	1.2	1.2
						1.0	0.1	356	24.5		7.9		30.4		88.8		6.2		5.3		7		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	315	24.4	24.4	7.9	7.9	30.6	30.6	89.1	89.1	6.3	6.3	7.0		4		88				<0.2		1.1	
						2.6	0.1	319	24.4		7.9		30.6		89.0		6.2		7.0		4		89				<0.2		1.1	
SR3	Fine	Moderate	14:40	8.0	Surface	1.0	0.2	206	24.9	24.9	8.0	8.0	29.4	29.4	93.1	93.2	6.5	6.6	2.3	3.8	4	5	-	-	822164	807574	-	-	-	-
						1.0	0.2	216	25.0		8.0		29.4		93.2		6.5		2.5		5		-				-		-	
					Middle	4.0	0.2	262	24.9	24.9	7.7	7.7	29.5	29.5	93.8	93.8	6.6		3.7		5		-				-		-	
						4.0	0.2	269	24.9		7.7		29.5		93.8		6.6		3.9		4		-				-		-	
					Bottom	7.0	0.1	274	24.8	24.8	8.0	8.0	29.7	29.7	94.3	94.4	6.6	6.6	5.2		7		-				-		-	
						7.0	0.1	291	24.8		8.0		29.7		94.5		6.6		5.0		6		-				-		-	
SR4A	Cloudy	Moderate	16:04	8.2	Surface	1.0	1.5	185	24.5	24.5	8.2	8.2	30.4	30.4	92.1	92.1	6.5	6.5	5.3	6.4	10	10	-	-	817165	807825	-	-	-	-
						1.0	1.5	203	24.4		8.2		30.4		92.0		6.5		5.3		11		-				-		-	
					Middle	4.1	1.9	191	24.4	24.4	8.2	8.2	30.4	30.4	91.5	91.5	6.4		6.1		12		-				-		-	
						4.1	1.9	202	24.4		8.2		30.5		91.4		6.4		6.3		6		-				-		-	
					Bottom	7.2	1.7	190	24.4	24.4	8.2	8.2	30.5	30.5	91.5	91.6	6.4	6.4	7.6		6		-				-		-	
						7.2	1.7	201	24.4		8.2		30.5		91.6		6.4		7.7		13		-				-		-	
SR5A	Cloudy	Moderate	16:21	4.5	Surface	1.0	0.1	295	24.7	24.7	8.2	8.2	29.8	29.8	93.1	93.2	6.5	6.5	7.4	7.9	6	6	-	-	816571	810695	-	-	-	-
						1.0	0.1	295	24.7		8.2		29.8		93.2		6.5		7.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	134	25.0	25.1	8.1	8.1	29.6	29.6	93.4	93.5	6.5	6.5	8.3		5		-				-		-	
						3.5	0.0	134	25.1		8.1		29.5		93.6		6.5		8.4		6		-				-		-	
SR6A	Cloudy	Moderate	17:09	4.8	Surface	1.0	0.0	38	24.7	24.7	8.2	8.2	29.2	29.2	93.0	93.1	6.6	6.6	16.2	16.2	8	6	-	-	817986	814738	-	-	-	-
						1.0	0.0	39	24.7		8.2		29.2		93.2		6.6		16.7		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	321	24.6	24.6	8.2	8.2	29.3	29.3	94.3	94.5	6.7	6.7	16.0		3		-				-		-	
						3.8	0.0	339	24.5		8.2		29.3		94.6		6.7		15.8		4		-				-		-	
SR7	Fine	Moderate	16:48	20.0	Surface	1.0	0.0	286	24.2	24.2	8.0	8.0	31.6	31.6	86.0	86.1	5.3	5.0	2.5	4.0	6	5	-	-	823634	823729	-	-	-	-
						1.0	0.0	299	24.1		8.0		31.6		86.1		5.3		2.7		5		-				-		-	
					Middle	10.0	0.1	82	24.1	24.1	8.0	8.0	32.0	32.0	85.8	85.8	4.6		4.0		6		-				-		-	
						10.0	0.1	86	24.1		8.0		32.0		85.8		4.6		4.3		5		-				-		-	
					Bottom	19.0	0.1	98	24.0	24.0	8.1	8.0	32.1	32.1	85.8	85.9	4.3	4.3	5.4		5		-				-		-	
						19.0	0.1	106	24.0		8.0		32.1		86.0		4.4		5.3		5		-				-		-	
SR8	Fine	Calm	15:27	5.1	Surface	1.0	-	-	24.7	24.7	7.9	7.9	29.5	29.5	94.7	94.6	6.7	6.7	11.1	12.0	6	7	-	-	820411	811636	-	-	-	-
						1.0	-	-	24.7		7.9		29.5		94.4		6.6		11.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	24.6	24.6	7.9	7.9	29.6	29.6	96.3	96.4	6.8	6.8	12.8		8		-				-		-	
						4.1	-	-	24.6		7.9		29.6		96.5		6.8		12.9		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 26 November 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	10:20	7.8	Surface	1.0	1.8	130	23.9	23.9	8.3	8.3	31.7	31.7	101.3	101.2	7.1	7.1	2.4	3.4	6	5	86	87	815617	804233	<0.2	<0.2	0.8	0.7
						1.0	1.8	130	23.9		8.3		31.7		101.0		7.1		2.4		5		85				<0.2		0.8	
					Middle	3.9	1.9	125	23.8	23.8	8.3	8.3	31.8	31.8	99.0	98.9	7.0		2.9		5		87				<0.2		0.6	
						3.9	2.1	126	23.8		8.3		31.8		98.8		7.0		3.1		5		87				<0.2		0.7	
					Bottom	6.8	2.4	137	23.7	23.7	8.2	8.2	31.8	31.8	97.8	97.9	6.9	6.9	4.6		4		89				<0.2		0.7	
						6.8	2.5	146	23.7		8.2		31.8		98.0		6.9		4.8		5		89				<0.2		0.8	
C2	Fine	Moderate	11:38	11.4	Surface	1.0	0.5	164	24.5	24.5	7.9	7.9	28.7	28.7	92.1	92.1	6.5	6.4	2.0	3.7	2	3	84	88	825704	806961	<0.2	<0.2	1.4	1.4
						1.0	0.6	171	24.5		7.9		28.7		92.0		6.5		2.0		3		84				<0.2		1.4	
					Middle	5.7	0.3	164	24.4	24.4	7.9	7.9	30.6	30.6	88.7	88.7	6.2		3.0		2		88				<0.2		1.5	
						5.7	0.3	165	24.4		7.9		30.6		88.7		6.2		3.1		3		88				<0.2		1.4	
					Bottom	10.4	0.2	151	24.3	24.3	8.0	8.0	30.9	30.9	88.3	88.4	6.2	6.2	6.2		3		91				<0.2		1.4	
						10.4	0.2	163	24.3		8.0		30.9		88.4		6.2		6.1		3		90				<0.2		1.4	
C3	Fine	Moderate	09:24	11.8	Surface	1.0	0.2	101	24.2	24.2	8.0	8.0	31.0	31.0	88.1	88.2	6.2	6.2	1.8	2.3	2	3	85	88	822092	817812	<0.2	<0.2	0.9	0.8
						1.0	0.2	101	24.2		8.0		31.0		88.2		6.2		1.8		2		85				<0.2		0.8	
					Middle	5.9	0.2	102	24.2	24.2	8.0	8.0	31.3	31.3	86.6	86.7	6.1		2.4		2		89				<0.2		0.8	
						5.9	0.3	109	24.2		8.0		31.3		86.7		6.1		2.4		3		88				<0.2		0.9	
					Bottom	10.8	0.2	94	24.1	24.1	8.0	8.0	31.5	31.5	88.3	88.3	6.2	6.2	2.7		3		91				<0.2		0.8	
						10.8	0.2	99	24.1		8.0		31.5		88.3		6.2		2.8		3		92				<0.2		0.8	
IM1	Cloudy	Moderate	10:42	5.2	Surface	1.0	0.1	190	24.2	24.2	8.2	8.2	31.3	31.3	98.2	98.1	6.9	6.9	4.3	9.4	3	2	85	88	817935	807128	<0.2	<0.2	0.8	0.8
						1.0	0.1	196	24.2		8.2		31.3		97.9		6.9		4.1		2		87				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	183	24.2	24.2	8.2	8.2	31.4	31.4	92.8	92.7	6.5	6.5	15.1		<2		89				<0.2		0.9	
						4.2	0.1	185	24.2		8.2		31.4		92.5		6.5		14.3		<2		89				<0.2		0.9	
IM2	Cloudy	Moderate	10:50	6.6	Surface	1.0	2.7	207	24.2	24.2	8.3	8.3	31.2	31.2	99.8	99.9	7.0	7.0	2.9	5.0	3	4	86	88	818139	806160	<0.2	<0.2	0.8	0.8
						1.0	2.9	226	24.2		8.3		31.2		99.9		7.0		2.9		3		86				<0.2		0.8	
					Middle	3.3	2.9	206	24.0	24.0	8.3	8.2	31.4	31.4	99.0	98.8	7.0		3.4		4		87				<0.2		0.8	
						3.3	3.0	212	24.0		8.2		31.4		98.6		6.9		3.5		4		88				<0.2		0.9	
					Bottom	5.6	2.7	206	24.0	24.0	8.2	8.2	31.6	31.6	97.1	97.2	6.8	6.8	8.5		4		89				<0.2		0.9	
						5.6	3.0	214	24.0		8.2		31.6		97.2		6.8		8.6		4		89				<0.2		0.8	
IM3	Cloudy	Moderate	10:56	6.6	Surface	1.0	1.5	8	24.1	24.1	8.3	8.3	31.1	31.1	99.3	99.2	7.0	7.0	3.1	4.1	4	3	85	88	818788	805596	<0.2	<0.2	0.8	0.8
						1.0	1.6	8	24.1		8.3		31.1		99.0		7.0		3.3		4		87				<0.2		0.8	
					Middle	3.3	1.7	2	24.0	24.0	8.3	8.3	31.3	31.3	98.0	97.9	6.9		3.9		2		88				<0.2		0.8	
						3.3	1.9	2	24.0		8.3		31.3		97.7		6.9		3.9		3		88				<0.2		0.8	
					Bottom	5.6	1.7	357	24.0	24.0	8.3	8.3	31.4	31.4	97.5	97.6	6.9	6.9	5.1		3		90				<0.2		0.8	
						5.6	1.8	328	24.0		8.3		31.4		97.7		6.9		5.1		3		90				<0.2		0.8	
IM4	Cloudy	Moderate	11:06	7.8	Surface	1.0	2.9	263	24.7	24.7	8.2	8.2	29.0	29.0	96.7	96.8	6.8	6.8	1.8	4.2	2	3	86	88	819701	804623	<0.2	<0.2	0.9	0.8
						1.0	3.0	267	24.7		8.2		29.0		96.8		6.8		1.8		2		87				<0.2		0.7	
					Middle	3.9	2.8	266	24.1	24.1	8.2	8.2	30.6	30.6	97.1	97.1	6.9		3.5		3		88				<0.2		0.8	
						3.9	2.8	272	24.1		8.2		30.6		97.0		6.8		3.7		4		87				<0.2		0.7	
					Bottom	6.8	2.6	266	24.0	24.0	8.2	8.2	31.1	31.1	96.7	96.8	6.8	6.8	7.1		4		90				<0.2		0.8	
						6.8	2.7	283	24.0		8.2		31.1		96.8		6.8		7.4		3		89				<0.2		0.8	
IM5	Cloudy	Moderate	11:17	7.4	Surface	1.0	2.9	160	24.4	24.4	8.2	8.2	29.3	29.4	97.7	97.7	6.9	6.9	2.0	2.8	2	3	85	88	820716	804888	<0.2	<0.2	0.9	0.9
						1.0	3.1	168	24.4		8.2		29.5		97.6		6.9		2.1		3		86				<0.2		0.8	
					Middle	3.7	2.9	158	24.2	24.2	8.2	8.2	30.2	30.2	97.2	97.2	6.9		2.5		3		87				<0.2		0.9	
						3.7	3.0	170	24.2		8.2		30.2		97.1		6.9		2.6		3		88				<0.2		0.9	
					Bottom	6.4	2.8	159	24.1	24.1	8.2	8.2	30.9	30.9	97.1	97.3	6.8	6.9	3.8		2		89				<0.2		0.8	
						6.4	2.9	161	24.1		8.2		30.9		97.5		6.9		3.7		3		90				<0.2		0.8	
IM6	Cloudy	Moderate	11:26	6.8	Surface	1.0	2.4	283	24.5	24.5	8.2	8.2	29.5	29.5	96.9	96.9	6.8	6.8	2.4	2.8	3	3	85	87	821073	805819	<0.2	<0.2	0.8	0.9
						1.0	2.4	294	24.4		8.2		29.5		96.9		6.8		2.4		2		86				<0.2		0.9	
					Middle	3.4	2.5	284	24.3	24.3	8.2	8.2	29.9	30.0	96.9	96.9	6.8		2.8		2		87				<0.2		0.8	
						3.4	2.7	290	24.3		8.2		30.1		96.9		6.8		2.9		3		86				<0.2		0.9	
					Bottom	5.8	2.1	288	24.1	24.1	8.2	8.2	31.0	30.9	96.9	96.9	6.8	6.8	3.2		4		89				<0.2		0.9	
						5.8	2.2	289	24.1		8.2		30.9		96.9		6.8		3.1		3		89				<0.2		0.9	
IM7	Cloudy	Moderate	11:35	7.4	Surface	1.0	2.4	272	24.6	24.6	8.2	8.2	29.0	29.1	95.6	95.6	6.8	6.8	2.0	3.4	3	3	85	87	821362	806848	<0.2	<0.2	0.7	0.8
						1.0	2.6	277	24.5		8.2		29.1		95.6		6.8		2.1		3		86				<0.2		0.8	
					Middle	3.7	2.3	275	24.4	24.4	8.2	8.2	29.6	29.7	95.7	95.7	6.8		3.0		3		87				<0.2		0.8	
						3.7	2.5	293	24.4		8.2		29.8		95.7		6.8		3.2		3		83				<0.2		0.8	
					Bottom	6.4	2.2	272	24.2	24.2	8.2	8.2	31.0	31.0	95.4	95.5	6.7	6.7	5.1		3		90				<0.2		0.8	
						6.4	2.2	296	24.2		8.2		31.0		95.5		6.7		5.1		2		90				<0.2		0.7	
IM8	Fine	Moderate	11:05	7.5	Surface	1.0	0.1	178	24.7	24.7	7.9	7.9	29.2	29.2	94.7	94.7	6.7	6.7	2.2	5.0	<2	<2	84	86	821809	808157	<0.2	<0.2	1.7	1.5
						1.0	0.1	178	24.7		7.9		29.2		94.6		6.7		2.3		<2		83				<0.2		1.6	
					Middle	3.8	0.0	313	24.5	24.5	7.9	7.9	29.8	29.8	94.4	94.5	6.7		4.7		<2		87				<0.2		1.4	
						3.8	0.0	314	24.5		7.9		29.8		94.5		6.7		4.9		<2		86				<0.2		1.4	
					Bottom	6.5	0.1	21	24.2	24.2	8.0	8.0	31.1	31.1	94.7	94.7	6.6	6.7	7.9		<2		89				<0.2		1.4	
						6.5	0.1	21	24.2		8.0		31.1		94.7		6.7		7.8		<2		89				<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 26 November 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	10:58	7.2	Surface	1.0	0.2	124	24.7	24.7	7.9	7.9	29.0	29.0	93.9	93.9	6.6	6.6	2.1	4.7	3	2	84	86	822083	808824	<0.2	<0.2	1.4	1.5
						1.0	0.2	135	24.7		7.9		29.1		93.9		6.6		2.2		2		84				<0.2		1.5	
					Middle	3.6	0.2	98	24.5	24.5	7.9	7.9	29.7	29.7	93.2	93.2	6.6		4.3		2		86				<0.2		1.5	
						3.6	0.2	98	24.5		7.9		29.7		93.2		6.6		4.4		3		86				<0.2		1.4	
					Bottom	6.2	0.2	87	24.3	24.3	7.9	7.9	30.3	30.3	92.9	93.0	6.5	6.5	7.6		<2		89				<0.2		1.4	
						6.2	0.2	90	24.3		7.9		30.3		93.0		6.5		7.7		<2		89				<0.2		1.5	
IM10	Fine	Moderate	10:50	7.1	Surface	1.0	0.4	113	24.7	24.6	7.9	7.9	28.9	28.9	94.1	94.1	6.6	6.6	2.0	3.7	4	4	84	86	822367	809791	<0.2	<0.2	1.3	1.4
						1.0	0.4	123	24.6		7.9		28.9		94.1		6.6		2.0		4		84				<0.2		1.4	
					Middle	3.6	0.3	99	24.5	24.5	7.9	7.9	29.4	29.4	93.5	93.5	6.6		3.8		4		86				<0.2		1.5	
						3.6	0.4	107	24.5		7.9		29.4		93.5		6.6		3.8		5		86				<0.2		1.4	
					Bottom	6.1	0.3	88	24.4	24.4	7.9	7.9	29.9	29.8	94.2	94.2	6.6	6.6	5.2		4		89				<0.2		1.4	
						6.1	0.3	93	24.4		7.9		29.8		94.2		6.6		5.2		5		89				<0.2		1.5	
IM11	Fine	Moderate	10:34	7.9	Surface	1.0	0.4	128	24.5	24.5	7.9	7.9	30.0	30.0	93.0	93.0	6.5	6.5	2.3	3.6	4	3	84	87	822037	811477	<0.2	<0.2	1.2	1.2
						1.0	0.4	136	24.5		7.9		30.0		92.9		6.5		2.2		3		84				<0.2		1.1	
					Middle	4.0	0.4	122	24.4	24.4	7.9	7.9	30.2	30.2	92.4	92.4	6.5		3.6		3		86				<0.2		1.2	
						4.0	0.4	130	24.4		7.9		30.2		92.3		6.5		3.7		3		87				<0.2		1.2	
					Bottom	6.9	0.3	119	24.3	24.3	7.9	7.9	30.5	30.5	91.8	91.8	6.5	6.5	4.8		3		89				<0.2		1.2	
						6.9	0.3	119	24.3		7.9		30.5		91.8		6.5		4.8		3		89				<0.2		1.1	
IM12	Fine	Moderate	10:26	8.8	Surface	1.0	0.4	120	24.4	24.4	7.9	7.9	30.4	30.4	91.7	91.7	6.5	6.4	3.9	4.7	4	3	84	87	821436	812049	<0.2	<0.2	1.3	1.3
						1.0	0.4	121	24.4		7.9		30.4		91.7		6.5		3.9		3		83				<0.2		1.3	
					Middle	4.4	0.3	108	24.3	24.3	7.9	7.9	30.6	30.6	90.0	89.9	6.3		4.8		4		87				<0.2		1.3	
						4.4	0.3	110	24.3		7.9		30.6		89.8		6.3		4.9		3		87				<0.2		1.2	
					Bottom	7.8	0.2	107	24.3	24.3	7.9	7.9	30.7	30.7	90.0	90.1	6.3	6.3	5.4		2		90				<0.2		1.2	
						7.8	0.2	107	24.3		7.9		30.7		90.1		6.3		5.5		2		90				<0.2		1.2	
SR1A	Fine	Calm	10:05	4.7	Surface	1.0	-	-	24.5	24.5	7.9	7.9	30.5	30.5	88.6	88.6	6.2	6.2	3.1	4.3	5	4	-	-	819983	812657	-	-	-	-
						1.0	-	-	24.5		7.9		30.5		88.5		6.2		3.1		4		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	24.4	24.4	8.0	8.0	30.5	30.5	88.6	88.6	6.2	6.2	5.5		3		-				-		-	
						3.7	-	-	24.4		8.0		30.5		88.6		6.2		5.6		3		-				-		-	
SR2	Fine	Moderate	09:51	4.6	Surface	1.0	0.2	80	24.5	24.5	8.0	8.0	30.7	30.7	89.8	89.9	6.3	6.3	3.7	4.5	2	4	85	87	821480	814186	<0.2	<0.2	1.1	1.2
						1.0	0.2	86	24.5		8.0		30.7		89.9		6.3		3.7		3		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	71	24.3	24.3	8.0	8.0	30.9	30.9	90.4	90.5	6.4	6.4	5.2		5		89				<0.2		1.2	
						3.6	0.2	71	24.3		8.0		30.9		90.6		6.4		5.3		4		89				<0.2		1.1	
SR3	Fine	Moderate	11:11	8.8	Surface	1.0	0.3	170	24.6	24.6	7.9	7.9	28.9	28.9	94.4	94.4	6.7	6.7	1.5	3.8	<2	2	-	-	822131	807563	-	-	-	-
						1.0	0.3	184	24.6		7.9		28.9		94.4		6.7		1.5		<2		-				-		-	
					Middle	4.4	0.1	192	24.4	24.4	7.9	7.9	30.0	30.0	93.9	93.9	6.6		2.9		<2		-				-		-	
						4.4	0.1	208	24.4		7.9		30.0		93.9		6.6		3.0		<2		-				-		-	
					Bottom	7.8	0.1	335	24.1	24.1	8.0	8.0	31.4	31.4	94.6	94.6	6.6	6.6	6.8		3		-				-		-	
						7.8	0.1	308	24.1		8.0		31.4		94.6		6.6		6.8		3		-				-		-	
SR4A	Cloudy	Moderate	09:59	8.2	Surface	1.0	2.1	50	24.1	24.1	8.2	8.2	31.4	31.4	97.8	97.8	6.9	6.9	3.3	4.0	3	4	-	-	817211	807811	-	-	-	-
						1.0	2.2	51	24.1		8.2		31.4		97.7		6.9		3.3		4		-				-		-	
					Middle	4.1	2.3	59	24.1	24.1	8.2	8.2	31.4	31.4	97.3	97.2	6.8		3.6		5		-				-		-	
						4.1	2.3	61	24.1		8.2		31.4		97.1		6.8		3.8		4		-				-		-	
					Bottom	7.2	2.4	58	24.0	24.0	8.2	8.2	31.5	31.5	96.4	96.5	6.8	6.8	4.9		5		-				-		-	
						7.2	2.6	60	24.0		8.2		31.5		96.5		6.8		4.9		5		-				-		-	
SR5A	Cloudy	Moderate	09:41	3.5	Surface	1.0	0.1	329	24.4	24.4	8.2	8.2	30.5	30.5	94.7	94.7	6.7	6.7	5.2	6.9	4	4	-	-	816596	810700	-	-	-	-
						1.0	0.1	359	24.4		8.2		30.6		94.7		6.7		5.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	336	24.3	24.3	8.2	8.2	30.6	30.6	95.4	95.6	6.7	6.7	8.5		4		-				-		-	
						2.5	0.1	343	24.3		8.2		30.6		95.7		6.7		8.1		5		-				-		-	
SR6A	Cloudy	Moderate	09:13	4.2	Surface	1.0	0.0	137	24.3	24.3	8.1	8.1	30.0	30.0	88.2	88.3	6.2	6.2	7.9	9.3	3	4	-	-	817944	814752	-	-	-	-
						1.0	0.0	138	24.3		8.1		30.0		88.3		6.2		8.0		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	167	24.2	24.2	8.1	8.1	30.0	30.0	90.7	90.9	6.4	6.4	10.4		4		-				-		-	
						3.2	0.0	180	24.1		8.1		30.1		91.0		6.4		11.0		5		-				-		-	
SR7	Fine	Moderate	08:45	16.4	Surface	1.0	0.1	43	24.0	24.0	7.9	7.9	31.9	31.9	85.6	85.6	6.0	6.0	1.5	1.4	2	3	-	-	823657	823761	-	-	-	-
						1.0	0.1	43	24.0		7.9		31.9		85.5		6.0		1.5		3		-				-		-	
					Middle	8.2	0.1	46	24.0	24.0	7.9	7.9	31.9	31.9	85.7	85.7	6.0		1.3		2		-				-		-	
						8.2	0.1	46	24.0		7.9		31.9		85.7		6.0		1.3		3		-				-		-	
					Bottom	15.4	0.1	342	24.0	24.0	7.9	7.9	32.0	32.0	85.8	85.8	6.0	6.0	1.3		4		-				-		-	
						15.4	0.1	358	24.0		7.9		32.0		85.8		6.0		1.3		5		-				-		-	
SR8	Fine	Moderate	10:16	4.5	Surface	1.0	-	-	24.9	24.9	8.0	8.0	30.6	30.6	90.2	90.1	6.3	6.3	6.8	7.4	6	7	-	-	820396	811631	-	-	-	-
						1.0	-	-	24.9		8.0		30.6		90.0		6.3		6.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	24.3	24.3	8.0	8.0	30.7	30.7	87.8	87.8	6.2	6.2	7.8		7		-				-		-	
						3.5	-	-	24.3		8.0		30.7		87.7		6.2		8.0		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 26 November 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	16:21	8.2	Surface	1.0	0.7	212	24.3	24.3	8.3	8.3	30.7	30.8	103.1	103.1	7.2	7.1	2.6	5.8	3	3	85	88	815601	804261	<0.2	<0.2	0.9	0.9
						1.0	0.8	228	24.3		8.3		30.9		103.0		7.2		2.8		3		86				<0.2		1.0	
					Middle	4.1	1.3	237	24.1	24.1	8.3	8.3	31.6	31.6	100.7	100.6	7.1		6.2		3		87				<0.2		0.9	
						4.1	1.4	237	24.1		8.3		31.6		100.4		7.0		6.6		2		87				<0.2		0.9	
					Bottom	7.2	1.3	246	24.0	24.1	8.3	8.3	31.6	31.6	100.1	100.2	7.0	7.0	8.4		3		90				<0.2		0.8	
						7.2	1.4	260	24.1		8.3		31.6		100.2		7.0		8.4		3		90				<0.2		0.9	
C2	Fine	Moderate	15:12	11.3	Surface	1.0	0.2	191	25.2	25.2	7.9	7.9	27.4	27.4	93.2	93.1	6.6	6.4	1.5	2.5	3	4	84	87	825676	806943	<0.2	<0.2	1.8	1.8
						1.0	0.2	209	25.2		7.9		27.4		93.0		6.6		1.4		4		84				<0.2		1.9	
					Middle	5.7	0.1	233	24.5	24.5	7.9	7.9	29.4	29.4	88.4	88.4	6.2		1.9		4		88				<0.2		1.7	
						5.7	0.2	238	24.5		7.9		29.4		88.4		6.2		1.9		3		87				<0.2		1.8	
					Bottom	10.3	0.2	333	24.4	24.4	7.9	7.9	30.6	30.6	86.6	86.6	6.1	6.1	4.2		4		90				<0.2		1.9	
						10.3	0.3	354	24.4		7.9		30.6		86.6		6.1		4.1		4		90				<0.2		1.8	
C3	Fine	Moderate	17:14	12.2	Surface	1.0	0.5	292	24.5	24.5	7.9	7.9	31.0	31.0	88.4	88.3	6.2	6.1	5.1	6.3	6	3	85	88	822115	817788	<0.2	<0.2	0.9	0.9
						1.0	0.5	318	24.5		7.9		31.0		88.2		6.2		5.3		4		85				<0.2		0.9	
					Middle	6.1	0.5	293	24.1	24.1	7.9	7.9	31.6	31.6	86.2	86.3	6.0		6.4		3		88				<0.2		0.8	
						6.1	0.5	316	24.1		7.9		31.6		86.3		6.1		6.5		2		89				<0.2		0.9	
					Bottom	11.2	0.4	295	24.1	24.1	7.9	7.9	31.7	31.7	87.8	87.9	6.2	6.2	7.2		2		92				<0.2		0.8	
						11.2	0.4	314	24.1		7.9		31.7		87.9		6.2		7.2		2		91				<0.2		0.8	
IM1	Cloudy	Moderate	15:59	4.8	Surface	1.0	0.1	15	24.2	24.2	8.3	8.3	31.5	31.5	98.7	98.6	6.9	6.9	5.3	8.1	3	3	87	88	817945	807148	<0.2	<0.2	0.6	0.6
						1.0	0.1	15	24.2		8.3		31.5		98.4		6.9		5.6		3		86				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	16	24.1	24.1	8.3	8.3	31.5	31.5	98.1	98.2	6.9	6.9	10.7		3		89				<0.2		0.6	
						3.8	0.1	17	24.1		8.3		31.5		98.3		6.9		10.8		4		90				<0.2		0.6	
IM2	Cloudy	Moderate	15:51	6.6	Surface	1.0	2.3	280	24.8	24.9	8.3	8.3	31.0	31.0	104.4	104.4	7.3	7.2	2.8	4.6	5	5	86	88	818181	806160	<0.2	<0.2	0.6	0.6
						1.0	2.4	293	24.9		8.3		31.1		104.3		7.2		2.9		6		85				<0.2		0.7	
					Middle	3.3	2.2	285	24.7	24.6	8.3	8.3	31.3	31.3	103.1	102.8	7.2		3.4		6		87				<0.2		0.7	
						3.3	2.4	308	24.5		8.3		31.3		102.4		7.1		3.4		5		88				<0.2		0.6	
					Bottom	5.6	2.2	280	24.3	24.3	8.3	8.3	31.4	31.4	101.1	101.1	7.1	7.1	7.2		3		90				<0.2		0.6	
						5.6	2.3	299	24.3		8.3		31.4		101.0		7.1		7.7		4		90				<0.2		0.6	
IM3	Cloudy	Moderate	15:44	6.7	Surface	1.0	1.8	177	24.4	24.4	8.2	8.2	30.8	30.8	102.1	102.2	7.2	7.2	3.7	7.1	4	4	85	88	818777	805575	<0.2	<0.2	0.6	0.6
						1.0	1.9	188	24.4		8.2		30.9		102.2		7.2		3.8		5		86				<0.2		0.7	
					Middle	3.4	2.2	169	24.2	24.2	8.2	8.2	31.1	31.1	102.2	102.1	7.2		5.1		4		87				<0.2		0.6	
						3.4	2.2	177	24.2		8.2		31.2		101.9		7.2		5.6		4		88				<0.2		0.6	
					Bottom	5.7	2.1	173	24.1	24.1	8.2	8.2	31.4	31.4	96.3	96.4	6.8	6.8	12.2		5		90				<0.2		0.6	
						5.7	2.1	177	24.1		8.2		31.4		96.5		6.8		12.1		4		89				<0.2		0.6	
IM4	Cloudy	Moderate	15:34	7.7	Surface	1.0	2.4	154	24.3	24.3	8.2	8.2	30.6	30.6	97.3	97.2	6.8	6.8	9.1	12.0	4	5	86	88	819741	804596	<0.2	<0.2	0.6	0.7
						1.0	2.5	160	24.3		8.2		30.7		97.0		6.8		9.2		4		86				<0.2		0.6	
					Middle	3.9	2.4	156	24.1	24.1	8.2	8.2	31.0	31.0	96.0	96.0	6.8		15.8		4		87				<0.2		0.6	
						3.9	2.5	159	24.1		8.2		31.0		96.0		6.8		15.2		5		87				<0.2		0.7	
					Bottom	6.7	2.4	157	24.1	24.1	8.2	8.2	31.1	31.1	95.9	95.9	6.8	6.8	11.6		5		90				<0.2		0.7	
						6.7	2.5	165	24.1		8.2		31.1		95.9		6.8		11.5		6		90				<0.2		0.7	
IM5	Cloudy	Moderate	15:26	7.1	Surface	1.0	2.6	180	24.6	24.6	8.2	8.2	29.6	29.6	98.7	98.7	6.9	6.9	2.5	4.0	6	6	86	88	820740	804851	<0.2	<0.2	0.6	0.6
						1.0	2.8	185	24.6		8.2		29.7		98.7		6.9		2.7		7		87				<0.2		0.6	
					Middle	3.6	2.4	176	24.4	24.4	8.2	8.2	30.5	30.5	98.3	98.3	6.9		3.4		5		88				<0.2		0.6	
						3.6	2.6	190	24.4		8.2		30.5		98.3		6.9		3.4		6		87				<0.2		0.6	
					Bottom	6.1	2.6	176	24.2	24.2	8.2	8.2	31.1	31.1	97.6	97.7	6.9	6.9	6.0		5		90				<0.2		0.7	
						6.1	2.7	189	24.2		8.2		31.1		97.7		6.9		6.0		4		89				<0.2		0.6	
IM6	Cloudy	Moderate	15:19	6.8	Surface	1.0	2.6	336	24.8	24.8	8.2	8.2	28.7	28.7	97.0	97.0	6.8	6.8	2.5	2.9	4	4	85	88	821057	805805	<0.2	<0.2	0.7	0.7
						1.0	2.7	309	24.8		8.2		28.7		96.9		6.8		2.6		3		87				<0.2		0.7	
					Middle	3.4	2.6	336	24.7	24.7	8.2	8.2	29.0	29.1	96.2	96.2	6.8		2.9		4		88				<0.2		0.7	
						3.4	2.6	341	24.7		8.2		29.2		96.1		6.8		3.0		3		88				<0.2		0.7	
					Bottom	5.8	2.6	340	24.6	24.6	8.2	8.2	29.5	29.5	95.9	96.0	6.8	6.8	3.2		4		90				<0.2		0.7	
						5.8	2.7	349	24.6		8.2		29.5		96.0		6.8		3.3		5		90				<0.2		0.7	
IM7	Cloudy	Moderate	15:12	7.9	Surface	1.0	1.7	74	24.9	24.9	8.2	8.2	28.7	28.7	96.5	96.5	6.8	6.8	2.5	4.4	6	4	86	88	821355	806851	<0.2	<0.2	0.6	0.7
						1.0	1.8	78	24.9		8.2		28.7		96.5		6.8		2.6		5		86				<0.2		0.7	
					Middle	4.0	1.8	77	24.8	24.8	8.2	8.2	28.7	28.7	96.1	96.1	6.8		4.1		4		87				<0.2		0.7	
						4.0	1.9	83	24.8		8.2		28.7		96.1		6.8		4.3		4		88				<0.2		0.7	
					Bottom	6.9	1.7	75	24.8	24.8	8.2	8.2	28.7	28.7	96.1	96.1	6.8	6.8	6.4		4		90				<0.2		0.6	
						6.9	1.8	75	24.8		8.2		28.7		96.1		6.8		6.8		3		89				<0.2		0.6	
IM8	Fine	Moderate	15:36	7.3	Surface	1.0	0.2	245	25.3	25.3	7.9	7.9	29.4	29.4	97.4	97.4	6.8	6.8	0.9	1.1	6	5	84	87	821808	808143	<0.2	<0.2	1.2	1.2
						1.0	0.2	259	25.3		7.9		29.4		97.3		6.8		0.9		7		83				<0.2		1.2	
					Middle	3.7	0.2	253	25.0	25.0	7.9	7.9	29.5	29.5	96.7	96.7	6.8		1.2		6		88				<0.2		1.1	
						3.7	0.2	278	25.0		7.9		29.5		96.6		6.8		1.2		5		88				<0.2		1.2	
					Bottom	6.3	0.2	260	24.8	24.8	7.9	7.9	29.5	29.5	96.4	96.4	6.8	6.8	1.1		3		90				<0.2		1.1	
						6.3	0.2	285	24.8		7.9		29.5		96.3		6.8		1.1		4		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 26 November 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	15:42	6.9	Surface	1.0	0.4	290	24.8	24.8	7.8	7.8	29.4	29.4	95.5	95.6	6.7	6.7	3.6	3.4	4	5	83	87	822100	808798	<0.2	<0.2	1.1	1.2
						1.0	0.4	312	24.8		7.8		29.4		95.7		6.7		3.5		5		83				<0.2		1.2	
					Middle	3.5	0.3	278	24.7	24.7	7.8	7.8	29.5	29.5	94.1	94.2	6.6		3.6		5		87				<0.2		1.3	
						3.5	0.3	292	24.7		7.8		29.5		94.2		6.6		3.7		4		88				<0.2		1.1	
					Bottom	5.9	0.2	272	24.7	24.7	7.9	7.9	29.6	29.6	95.0	95.0	6.7	6.7	2.9		7		90				<0.2		1.1	
						5.9	0.3	285	24.7		7.9		29.6		95.0		6.7		3.0		6		90				<0.2		1.2	
IM10	Fine	Moderate	15:51	7.4	Surface	1.0	0.5	275	24.8	24.8	7.8	7.8	29.5	29.5	95.4	95.4	6.7	6.7	2.3	5.9	4	6	83	87	822401	809771	<0.2	<0.2	1.1	1.2
						1.0	0.5	299	24.8		7.8		29.5		95.4		6.7		2.4		5		84				<0.2		1.2	
					Middle	3.7	0.5	281	24.6	24.6	7.8	7.8	29.6	29.6	93.5	93.5	6.6		6.7		6		88				<0.2		1.1	
						3.7	0.5	308	24.6		7.8		29.6		93.5		6.6		6.8		7		88				<0.2		1.1	
					Bottom	6.4	0.4	279	24.6	24.6	7.8	7.8	29.6	29.6	94.6	94.6	6.7	6.7	8.4		7		90				<0.2		1.2	
						6.4	0.4	281	24.6		7.8		29.6		94.6		6.7		8.7		8		91				<0.2		1.2	
IM11	Fine	Moderate	16:04	7.2	Surface	1.0	0.5	287	24.8	24.8	7.9	7.9	29.8	29.8	95.0	95.0	6.7	6.7	3.1	5.9	7	5	84	87	822065	811458	<0.2	<0.2	1.0	1.1
						1.0	0.5	307	24.8		7.9		29.8		95.0		6.7		3.1		6		84				<0.2		1.1	
					Middle	3.6	0.5	290	24.5	24.5	7.9	7.9	30.1	30.1	93.7	93.7	6.6		5.7		6		87				<0.2		1.2	
						3.6	0.5	297	24.5		7.9		30.1		93.7		6.6		5.8		5		88				<0.2		1.1	
					Bottom	6.2	0.4	288	24.4	24.4	7.9	7.9	30.2	30.2	94.0	94.1	6.6	6.6	8.9		4		90				<0.2		1.1	
						6.2	0.4	305	24.4		7.9		30.2		94.1		6.6		9.0		4		91				<0.2		1.1	
IM12	Fine	Moderate	16:11	9.1	Surface	1.0	0.3	309	24.9	24.9	7.9	7.9	29.7	29.7	97.5	97.5	6.8	6.7	2.9	5.1	5	5	84	87	821439	812026	<0.2	<0.2	1.1	1.1
						1.0	0.3	327	24.9		7.9		29.7		97.5		6.8		3.0		4		84				<0.2		1.1	
					Middle	4.6	0.4	304	24.6	24.6	7.9	7.9	30.0	30.0	93.6	93.6	6.6		5.7		5		87				<0.2		1.2	
						4.6	0.4	315	24.6		7.9		30.0		93.5		6.6		5.6		5		87				<0.2		1.1	
					Bottom	8.1	0.4	299	24.4	24.4	7.9	7.9	30.6	30.6	92.0	92.0	6.5	6.5	6.8		6		90				<0.2		1.0	
						8.1	0.4	314	24.4		7.9		30.6		92.0		6.5		6.8		5		91				<0.2		1.1	
SR1A	Fine	Calm	16:34	5.0	Surface	1.0	-	-	25.0	25.0	7.9	7.9	30.0	30.0	93.3	93.3	6.5	6.5	6.9	7.8	10	7	-	-	819976	812655	-	-	-	-
						1.0	-	-	25.0		7.9		30.0		93.3		6.5		7.1		9		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	24.9	24.9	7.8	7.8	30.4	30.4	91.6	91.7	6.4	6.4	8.5		4		-				-		-	
						4.0	-	-	24.9		7.8		30.4		91.7		6.4		8.7		4		-				-		-	
SR2	Fine	Moderate	16:48	4.5	Surface	1.0	0.1	257	24.6	24.6	7.9	7.9	30.6	30.6	92.1	92.1	6.4	6.4	8.7	9.4	6	6	85	87	821444	814174	<0.2	<0.2	0.9	0.9
						1.0	0.1	282	24.6		7.9		30.6		92.0		6.4		8.7		6		85				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	263	24.6	24.6	7.9	7.9	30.7	30.7	92.9	92.9	6.5	6.5	10.0		6		88				<0.2		0.8	
						3.5	0.1	268	24.6		7.9		30.7		92.9		6.5		10.1		7		88				<0.2		0.9	
SR3	Fine	Moderate	15:30	8.7	Surface	1.0	0.3	208	25.2	25.2	7.8	7.8	29.5	29.5	94.6	94.7	6.6	6.6	1.7	4.3	4	4	-	-	822156	807594	-	-	-	-
						1.0	0.3	216	25.2		7.8		29.5		94.7		6.6		1.8		5		-				-		-	
					Middle	4.4	0.3	227	25.1	25.1	7.9	7.9	29.5	29.5	94.2	94.2	6.6		4.0		3		-				-		-	
						4.4	0.3	241	25.1		7.9		29.5		94.1		6.6		4.1		4		-				-		-	
					Bottom	7.7	0.2	260	24.7	24.7	7.9	7.9	29.6	29.6	93.5	93.5	6.6	6.6	7.0		3		-				-		-	
						7.7	0.2	268	24.7		7.9		29.6		93.5		6.6		6.9		4		-				-		-	
SR4A	Cloudy	Moderate	16:42	9.1	Surface	1.0	2.2	254	24.8	24.8	8.2	8.2	30.7	30.7	99.8	99.6	7.0	6.8	4.3	4.7	9	8	-	-	817166	807823	-	-	-	-
						1.0	2.3	270	24.8		8.2		30.7		99.4		6.9		4.3		4		-				-		-	
					Middle	4.6	2.2	250	24.4	24.4	8.2	8.2	31.1	31.1	96.3	96.2	6.7		4.5		6		-				-		-	
						4.6	2.3	260	24.4		8.2		31.1		96.1		6.7		4.6		11		-				-		-	
					Bottom	8.1	1.9	250	24.4	24.4	8.2	8.2	31.2	31.2	95.9	96.0	6.7	6.7	5.2		5		-				-		-	
						8.1	2.1	259	24.4		8.2		31.2		96.0		6.7		5.2		10		-				-		-	
SR5A	Cloudy	Moderate	17:00	3.8	Surface	1.0	0.1	301	25.0	25.0	8.2	8.2	30.3	30.3	97.5	97.5	6.8	6.8	6.1	6.5	13	11	-	-	816573	810680	-	-	-	-
						1.0	0.1	310	25.0		8.2		30.3		97.4		6.8		6.2		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	301	25.0	25.0	8.2	8.2	30.3	30.3	97.2	97.2	6.8	6.8	6.9		11		-				-		-	
						2.8	0.1	326	25.0		8.2		30.3		97.2		6.8		6.9		11		-				-		-	
SR6A	Cloudy	Moderate	17:31	4.4	Surface	1.0	0.1	220	25.0	25.0	8.2	8.1	30.0	30.0	93.6	93.6	6.5	6.5	5.2	7.3	6	6	-	-	817939	814743	-	-	-	-
						1.0	0.1	225	25.0		8.1		30.1		93.5		6.5		5.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	248	24.7	24.8	8.1	8.1	30.1	30.1	89.0	89.2	6.2	6.3	9.0		6		-				-		-	
						3.4	0.1	251	24.8		8.1		30.1		89.4		6.3		9.1		7		-				-		-	
SR7	Cloudy	Moderate	17:54	17.0	Surface	1.0	0.2	353	24.3	24.3	7.9	7.9	31.5	31.5	87.2	87.2	6.1	6.1	2.2	4.1	7	5	-	-	823648	823725	-	-	-	-
						1.0	0.2	325	24.3		7.9		31.5		87.2		6.1		2.2		6		-				-		-	
					Middle	8.5	0.1	69	24.0	24.0	7.9	7.9	31.9	31.9	85.8	85.8	6.0		4.7		5		-				-		-	
						8.5	0.1	71	24.0		7.9		31.9		85.8		6.0		4.7		4		-				-		-	
					Bottom	16.0	0.1	64	24.0	24.0	7.9	7.9	32.0	32.0	86.4	86.4	6.1	6.1	5.5		4		-				-		-	
						16.0	0.1	65	24.0		7.9		32.0		86.3		6.1		5.3		4		-				-		-	
SR8	Fine	Moderate	16:22	4.7	Surface	1.0	-	-	25.2	25.2	7.9	7.9	29.5	29.5	96.8	96.8	6.8	6.8	6.1	7.5	6	7	-	-	820397	811628	-	-	-	-
						1.0	-	-	25.2		7.9		29.5		96.7		6.7		6.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	24.8	24.8	7.9	7.9	29.8	29.8	95.7	95.7	6.7	6.7	8.8		7		-				-		-	
						3.7	-	-	24.8		7.9		29.8		95.7		6.7		9.0		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 November 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	11:19	8.5	Surface	1.0	0.2	225	23.3	23.3	8.3	8.3	32.0	32.0	104.5	104.5	7.4	7.4	4.3	5.4	9	11	84	89	815605	804235	<0.2	<0.2	0.7	0.8
						1.0	0.2	239	23.3		8.3		32.0		104.5		7.4		4.3		8		85				<0.2		0.7	
					Middle	4.3	0.1	214	23.3	23.3	8.3	8.3	32.0	32.0	104.0	104.0	7.4		5.0		9		89				<0.2		0.8	
						4.3	0.1	216	23.3		8.3		32.0		104.0		7.4		5.1		10		89				<0.2		0.7	
					Bottom	7.5	0.1	181	23.3	23.3	8.3	8.3	32.0	32.0	103.2	103.2	7.3	7.3	6.9		14		93				<0.2		0.9	
						7.5	0.1	195	23.3		8.3		32.0		103.2		7.3		6.8		13		94				<0.2		0.9	
C2	Cloudy	Moderate	12:45	11.8	Surface	1.0	0.2	135	23.8	23.8	7.7	7.7	30.7	30.7	93.3	93.3	6.6	6.6	6.1	8.4	7	7	85	88	825679	806924	<0.2	<0.2	1.2	1.3
						1.0	0.2	137	23.8		7.7		30.7		93.3		6.6		6.1		7		86				<0.2		1.2	
					Middle	5.9	0.5	154	23.8	23.8	7.7	7.7	31.1	31.1	92.1	92.1	6.5		9.2		7		87				<0.2		1.4	
						5.9	0.5	163	23.8		7.7		31.1		92.1		6.5		9.2		7		88				<0.2		1.4	
					Bottom	10.8	0.5	144	23.8	23.8	7.7	7.7	31.3	31.3	92.9	93.2	6.6	6.6	10.0		5		91				<0.2		1.4	
						10.8	0.5	156	23.8		7.7		31.3		93.4		6.6		9.7		6		90				<0.2		1.4	
C3	Cloudy	Moderate	10:35	11.7	Surface	1.0	0.4	286	23.7	23.7	7.7	7.7	32.1	32.1	87.7	87.7	6.2	6.2	3.0	3.5	7	7	85	87	822105	817794	<0.2	<0.2	0.7	0.7
						1.0	0.4	293	23.7		7.7		32.1		87.7		6.2		3.0		8		85				<0.2		0.7	
					Middle	5.9	0.2	257	23.7	23.7	7.7	7.7	32.1	32.1	87.7	87.7	6.2		3.5		6		88				<0.2		0.6	
						5.9	0.2	271	23.7		7.7		32.1		87.7		6.2		3.5		7		87				<0.2		0.8	
					Bottom	10.7	0.1	120	23.7	23.7	7.7	7.7	32.1	32.1	88.4	88.4	6.2	6.2	4.0		6		89				<0.2		0.8	
						10.7	0.1	131	23.7		7.7		32.1		88.4		6.2		4.0		7		89				<0.2		0.7	
IM1	Fine	Moderate	11:43	5.1	Surface	1.0	0.1	185	23.6	23.6	8.3	8.3	31.0	31.0	100.4	100.4	7.1	7.1	6.2	8.8	9	9	89	91	817970	807149	<0.2	<0.2	0.4	0.5
						1.0	0.1	192	23.6		8.3		31.0		100.4		7.1		6.2		8		89				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	151	23.2	23.2	8.3	8.3	31.2	31.2	98.3	98.3	7.0	7.0	11.3		10		92				<0.2		0.6	
						4.1	0.1	155	23.2		8.3		31.2		98.3		7.0		11.3		10		93				<0.2		0.4	
IM2	Fine	Moderate	11:51	7.1	Surface	1.0	0.1	232	23.4	23.4	8.3	8.3	31.1	31.1	103.6	103.5	7.4	7.3	2.8	6.2	9	8	86	90	818175	806175	<0.2	<0.2	0.6	0.6
						1.0	0.1	244	23.4		8.3		31.1		103.4		7.4		2.8		10		86				<0.2		0.7	
					Middle	3.6	0.1	208	23.2	23.2	8.3	8.3	31.3	31.3	100.7	100.7	7.2		3.9		9		89				<0.2		0.6	
						3.6	0.1	209	23.2		8.3		31.3		100.7		7.2		4.0		9		90				<0.2		0.6	
					Bottom	6.1	0.1	84	23.1	23.1	8.3	8.3	31.6	31.6	99.8	99.8	7.1	7.1	11.9		6		93				<0.2		0.6	
						6.1	0.1	89	23.1		8.3		31.6		99.8		7.1		12.2		7		94				<0.2		0.6	
IM3	Fine	Moderate	11:58	7.2	Surface	1.0	0.1	243	23.4	23.4	8.3	8.3	31.1	31.1	103.5	103.5	7.4	7.3	2.6	6.3	11	8	86	90	818784	805574	<0.2	<0.2	0.8	0.7
						1.0	0.1	254	23.4		8.3		31.1		103.5		7.4		2.6		12		87				<0.2		0.6	
					Middle	3.6	0.0	79	23.2	23.2	8.3	8.3	31.4	31.4	101.0	101.0	7.2		4.1		6		90				<0.2		0.7	
						3.6	0.0	79	23.2		8.3		31.4		101.0		7.2		4.0		6		91				<0.2		0.7	
					Bottom	6.2	0.1	94	23.1	23.1	8.3	8.3	31.6	31.6	99.7	99.7	7.1	7.1	12.2		6		94				<0.2		0.7	
						6.2	0.1	96	23.1		8.3		31.6		99.7		7.1		12.3		5		93				<0.2		0.7	
IM4	Fine	Moderate	12:09	7.4	Surface	1.0	0.0	294	23.7	23.7	8.2	8.2	30.5	30.5	100.0	100.0	7.1	7.2	2.6	4.1	7	10	88	91	819721	804608	<0.2	<0.2	0.8	0.8
						1.0	0.0	302	23.7		8.2		30.5		100.0		7.1		2.6		8		89				<0.2		0.8	
					Middle	3.7	0.0	226	23.5	23.5	8.2	8.2	30.8	30.8	100.5	100.5	7.2		3.6		10		92				<0.2		0.7	
						3.7	0.0	236	23.5		8.2		30.9		100.5		7.2		3.6		10		92				<0.2		0.8	
					Bottom	6.4	0.0	232	23.2	23.2	8.2	8.2	31.4	31.4	99.7	99.7	7.1	7.1	6.2		11		93				<0.2		0.7	
						6.4	0.0	253	23.2		8.2		31.4		99.7		7.1		6.1		11		94				<0.2		0.8	
IM5	Fine	Moderate	12:19	7.0	Surface	1.0	0.1	295	23.6	23.6	8.3	8.3	30.8	30.8	101.2	101.2	7.2	7.2	3.1	3.8	6	7	87	89	820752	804866	<0.2	<0.2	0.8	0.8
						1.0	0.1	310	23.6		8.3		30.8		101.2		7.2		3.1		7		87				<0.2		0.8	
					Middle	3.5	0.0	5	23.4	23.4	8.3	8.3	31.0	31.0	100.7	100.7	7.2		3.5		7		88				<0.2		0.8	
						3.5	0.0	5	23.4		8.3		31.0		100.6		7.2		3.5		7		89				<0.2		0.8	
					Bottom	6.0	0.0	300	23.2	23.2	8.2	8.2	31.2	31.2	99.2	99.2	7.1	7.1	4.9		8		92				<0.2		0.8	
						6.0	0.0	319	23.2		8.2		31.2		99.2		7.1		4.9		7		92				<0.2		0.9	
IM6	Fine	Moderate	12:29	7.1	Surface	1.0	0.2	249	23.6	23.6	8.3	8.3	30.8	30.8	100.6	100.6	7.2	7.2	4.0	4.0	7	8	87	90	821036	805818	<0.2	<0.2	0.8	0.8
						1.0	0.2	257	23.6		8.3		30.8		100.6		7.2		3.9		8		86				<0.2		0.7	
					Middle	3.6	0.1	184	23.5	23.5	8.3	8.3	30.9	30.9	100.9	100.9	7.2		3.7		8		90				<0.2		0.8	
						3.6	0.1	188	23.5		8.3		30.9		100.9		7.2		3.8		7		91				<0.2		0.9	
					Bottom	6.1	0.1	231	23.3	23.3	8.2	8.2	31.1	31.1	100.1	100.1	7.1	7.1	4.3		9		93				<0.2		0.7	
						6.1	0.1	244	23.3		8.2		31.1		100.1		7.1		4.3		8		94				<0.2		0.8	
IM7	Fine	Moderate	12:39	7.9	Surface	1.0	0.1	286	23.6	23.7	8.3	8.3	30.5	30.5	100.9	100.8	7.2	7.2	2.6	3.6	7	6	84	90	821342	806847	<0.2	<0.2	0.9	0.9
						1.0	0.1	296	23.7		8.3		30.5		100.7		7.2		2.6		6		86				<0.2		0.9	
					Middle	4.0	0.1	324	23.6	23.6	8.2	8.2	30.6	30.6	101.1	101.1	7.2		3.5		6		89				<0.2		0.9	
						4.0	0.1	327	23.6		8.2		30.6		101.1		7.2		3.7		5		90				<0.2		0.9	
					Bottom	6.9	0.1	296	23.3	23.3	8.2	8.2	31.0	31.0	100.2	100.2	7.2	7.2	4.5		5		94				<0.2		0.9	
						6.9	0.1	301	23.3		8.2		31.0		100.2		7.2		4.5		4		94				<0.2		0.9	
IM8	Cloudy	Moderate	12:15	7.5	Surface	1.0	0.3	60	23.9	23.9	7.7	7.7	30.7	30.7	96.1	96.1	6.8	6.9	2.9	7.1	5	5	85	87	821819	808157	<0.2	<0.2	1.2	1.2
						1.0	0.3	60	23.9		7.7		30.7		96.1		6.8		2.9		6		84				<0.2		1.2	
					Middle	3.8	0.3	58	23.7	23.7	7.7	7.7	30.9	30.9	96.9	96.9	6.9		7.4		5		88				<0.2		1.2	
						3.8	0.3	60	23.7		7.7		30.9		96.9		6.9		7.4		5		87				<0.2		1.2	
					Bottom	6.5	0.4	67	23.5	23.5	7.7	7.7	31.3	31.3	97.1	97.1	6.9	6.9	11.1		3		90				<0.2		1.2	
						6.5	0.4	73	23.5		7.7		31.3		97.1		6.9		11.1		4		89				<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 28 November 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	12:08	7.1	Surface	1.0	0.4	60	23.7	23.7	7.7	7.7	30.8	30.8	97.2	97.2	6.9	6.9	2.3	5.0	5	7	86	88	822110	808787	<0.2	<0.2	1.1	1.2
						1.0	0.4	64	23.7		7.7		30.8		97.2		6.9		2.3		5		87				<0.2		1.1	
					Middle	3.6	0.4	76	23.6	23.6	7.7	7.7	31.0	31.0	97.5	97.5	6.9		4.5		8		88				<0.2		1.2	
						3.6	0.4	77	23.6		7.7		31.0		97.5		6.9		4.5		7		87				<0.2		1.2	
					Bottom	6.1	0.3	74	23.5	23.5	7.7	7.7	31.2	31.2	97.8	97.8	7.0	7.0	8.2		9		90				<0.2		1.1	
						6.1	0.4	79	23.5		7.7		31.2		97.8		7.0		8.2		10		90				<0.2		1.2	
IM10	Cloudy	Moderate	11:56	7.2	Surface	1.0	0.5	106	23.7	23.7	7.7	7.7	30.8	30.8	96.7	96.7	6.9	6.9	3.9	8.1	7	6	86	89	822383	809798	<0.2	<0.2	1.1	1.2
						1.0	0.5	106	23.7		7.7		30.8		96.7		6.9		3.9		6		86				<0.2		1.2	
					Middle	3.6	0.5	100	23.7	23.7	7.7	7.7	30.9	30.9	96.7	96.7	6.9		8.2		6		89				<0.2		1.2	
						3.6	0.5	102	23.7		7.7		30.9		96.7		6.9		8.2		7		90				<0.2		1.3	
					Bottom	6.2	0.4	94	23.6	23.6	7.7	7.7	31.0	31.0	97.3	97.3	6.9	6.9	12.1		5		90				<0.2		1.2	
						6.2	0.4	99	23.6		7.7		31.0		97.3		6.9		12.1		6		91				<0.2		1.3	
IM11	Cloudy	Moderate	11:41	7.3	Surface	1.0	0.5	96	24.0	24.0	7.6	7.6	31.1	31.1	91.1	91.1	6.4	6.4	5.2	6.3	7	6	86	88	822037	811478	<0.2	<0.2	1.1	1.1
						1.0	0.5	97	24.0		7.6		31.1		91.1		6.4		5.2		7		86				<0.2		1.1	
					Middle	3.7	0.3	106	23.9	23.9	7.6	7.6	31.1	31.1	90.4	90.4	6.4		6.7		7		89				<0.2		1.1	
						3.7	0.3	108	23.9		7.6		31.1		90.4		6.4		6.7		6		89				<0.2		1.1	
					Bottom	6.3	0.4	107	23.9	23.9	7.6	7.6	31.2	31.2	91.7	91.7	6.5	6.5	7.1		6		90				<0.2		1.1	
						6.3	0.4	108	23.9		7.6		31.2		91.7		6.5		7.1		5		89				<0.2		1.2	
IM12	Cloudy	Moderate	11:33	9.1	Surface	1.0	0.5	95	23.9	23.9	7.7	7.7	31.1	31.1	92.2	92.2	6.5	6.5	4.4	5.1	9	8	85	88	821455	812057	<0.2	<0.2	0.9	1.0
						1.0	0.5	103	23.9		7.7		31.1		92.2		6.5		4.4		8		85				<0.2		0.9	
					Middle	4.6	0.4	116	23.9	23.9	7.7	7.7	31.2	31.2	91.9	91.9	6.5		5.3		8		88				<0.2		1.1	
						4.6	0.4	117	23.9		7.7		31.2		91.9		6.5		5.3		9		88				<0.2		1.0	
					Bottom	8.1	0.2	92	23.8	23.8	7.7	7.7	31.4	31.4	94.6	94.6	6.7	6.7	5.6		6		90				<0.2		1.0	
						8.1	0.2	92	23.8		7.7		31.4		94.6		6.7		5.6		6		90				<0.2		1.0	
SR1A	Cloudy	Moderate	11:13	5.4	Surface	1.0	-	-	24.0	24.0	7.7	7.7	30.9	30.9	94.2	94.2	6.7	6.7	7.4	9.5	9	8	-	-	819977	812659	-	-	-	-
						1.0	-	-	24.0		7.7		30.9		94.2		6.7		7.4		8		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	23.9	23.9	7.7	7.7	30.9	30.9	96.3	96.3	6.8	6.8	11.5		8		-				-		-	
						4.4	-	-	23.9		7.7		30.9		96.3		6.8		11.5		8		-				-		-	
SR2	Cloudy	Moderate	10:59	4.9	Surface	1.0	0.3	54	23.9	23.9	7.6	7.6	31.4	31.4	89.3	89.3	6.3	6.3	8.3	10.6	9	8	88	89	821442	814149	<0.2	<0.2	0.9	0.8
						1.0	0.4	59	23.9		7.6		31.4		89.3		6.3		8.3		8		89				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.3	50	23.9	23.9	7.6	7.6	31.6	31.6	91.3	91.3	6.4	6.4	12.8		7		90				<0.2		0.7	
						3.9	0.3	52	23.9		7.6		31.6		91.3		6.4		12.8		6		90				<0.2		0.7	
SR3	Cloudy	Moderate	12:22	8.5	Surface	1.0	0.2	209	23.9	23.9	7.7	7.7	30.7	30.7	95.5	95.5	6.8	6.8	2.3	3.2	6	5	-	-	822157	807552	-	-	-	-
						1.0	0.3	218	23.9		7.7		30.7		95.5		6.8		2.3		5		-				-		-	
					Middle	4.3	0.2	199	23.8	23.8	7.7	7.7	30.8	30.8	95.8	95.8	6.8		3.1		5		-				-		-	
						4.3	0.2	214	23.8		7.7		30.8		95.8		6.8		3.1		6		-				-		-	
					Bottom	7.5	0.2	134	23.5	23.5	7.7	7.7	31.2	31.2	96.3	96.3	6.9	6.9	4.1		4		-				-		-	
						7.5	0.2	142	23.5		7.7		31.2		96.3		6.9		4.1		5		-				-		-	
SR4A	Cloudy	Calm	10:56	9.0	Surface	1.0	0.3	74	23.3	23.3	8.3	8.3	31.1	31.1	100.6	100.6	7.2	7.2	4.4	5.7	9	8	-	-	817199	807807	-	-	-	-
						1.0	0.3	74	23.3		8.3		31.1		100.6		7.2		4.5		8		-				-		-	
					Middle	4.5	0.3	75	23.3	23.3	8.3	8.3	31.1	31.1	99.5	99.5	7.1		5.8		8		-				-		-	
						4.5	0.3	81	23.3		8.3		31.1		99.5		7.1		5.8		7		-				-		-	
					Bottom	8.0	0.2	71	23.2	23.2	8.3	8.3	31.2	31.2	99.1	99.1	7.1	7.1	6.9		8		-				-		-	
						8.0	0.2	71	23.2		8.3		31.2		99.1		7.1		7.0		7		-				-		-	
SR5A	Cloudy	Calm	10:37	3.9	Surface	1.0	0.1	25	23.9	23.9	8.2	8.2	30.5	30.5	96.9	96.9	6.9	6.9	4.1	4.4	10	9	-	-	816597	810687	-	-	-	-
						1.0	0.1	25	23.9		8.2		30.5		96.9		6.9		4.1		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.0	92	23.9	23.9	8.2	8.2	30.6	30.6	96.7	96.7	6.9	6.9	4.5		7		-				-		-	
						2.9	0.0	96	23.9		8.2		30.6		96.6		6.9		4.8		6		-				-		-	
SR6A	Cloudy	Calm	10:07	4.2	Surface	1.0	0.0	87	24.1	24.1	8.2	8.2	30.1	30.1	90.8	90.8	6.4	6.4	10.5	11.8	15	18	-	-	817986	814742	-	-	-	-
						1.0	0.0	88	24.1		8.2		30.1		90.8		6.4		10.2		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	262	24.0	24.0	8.2	8.2	30.1	30.1	90.0	90.1	6.4	6.4	13.1		20		-				-		-	
						3.2	0.1	268	24.0		8.2		30.1		90.1		6.4		13.2		21		-				-		-	
SR7	Cloudy	Moderate	10:03	16.3	Surface	1.0	0.6	61	23.6	23.6	7.9	7.9	32.2	32.2	88.6	88.6	6.3	6.3	1.4	2.0	5	7	-	-	823640	823728	-	-	-	-
						1.0	0.7	63	23.6		7.9		32.2		88.6		6.3		1.4		4		-				-		-	
					Middle	8.2	0.2	14	23.6	23.6	7.9	7.9	32.3	32.3	88.5	88.5	6.2		2.4		6		-				-		-	
						8.2	0.2	15	23.6		7.9		32.3		88.5		6.2		2.4		7		-				-		-	
					Bottom	15.3	0.2	55	23.6	23.6	7.9	7.9	32.4	32.4	89.2	89.2	6.3	6.3	2.1		10		-				-		-	
						15.3	0.2	58	23.6		7.9		32.4		89.2		6.3		2.1		9		-				-		-	
SR8	Cloudy	Moderate	11:23	5.0	Surface	1.0	-	-	24.6	24.5	7.7	7.7	30.9	30.9	97.1	97.1	6.8	6.8	8.5	8.6	11	13	-	-	820409	811720	-	-	-	-
						1.0	-	-	24.5		7.7		30.9		97.1		6.8		8.5		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	24.0	24.0	7.7	7.7	31.0	31.0	101.3	101.3	7.1	7.1	8.7		15		-				-		-	
						4.0	-	-	24.0		7.7		31.0		101.3		7.1		8.7		16		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
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 28 November 20 during Mid-Flood Tide

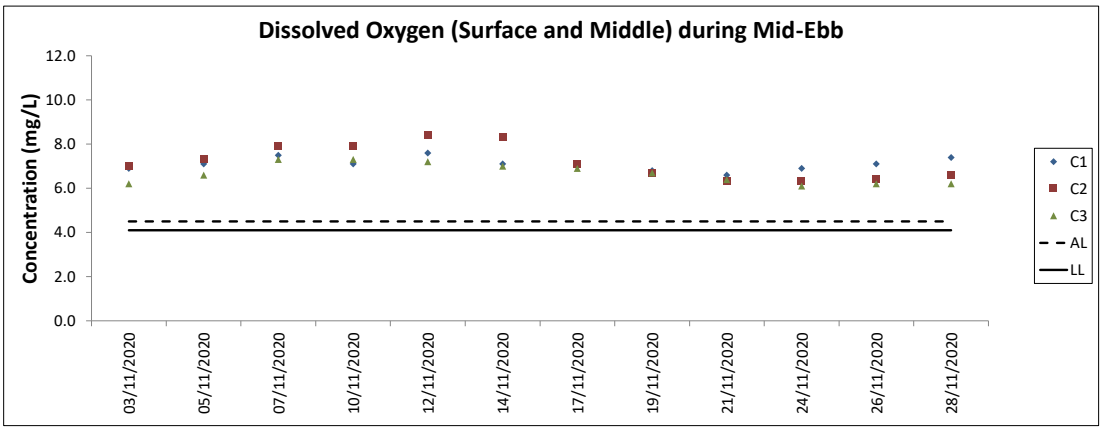
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	17:10	8.7	Surface	1.0	0.4	34	23.4	23.4	8.3	8.3	31.2	31.1	106.0	106.0	7.5	7.5	1.7	3.5	6	6	86	91	815612	804265	<0.2	<0.2	0.7	0.7
						1.0	0.4	35	23.4		8.3		31.1		106.0		7.5		1.8		6		87				<0.2		0.6	
					Middle	4.4	0.4	33	23.3	23.3	8.3	8.3	31.4	31.4	104.7	104.7	7.5		2.2		5		92				<0.2		0.7	
						4.4	0.4	35	23.3		8.3		31.5		104.6		7.4		2.3		6		93				<0.2		0.6	
					Bottom	7.7	0.3	15	23.3	23.3	8.3	8.3	31.7	31.7	102.7	102.7	7.3	7.3	6.5		5		95				<0.2		0.6	
						7.7	0.3	15	23.3		8.3		31.7		102.7		7.3		6.5		6		95				<0.2		0.7	
C2	Cloudy	Moderate	15:55	12.0	Surface	1.0	0.3	350	24.1	24.1	7.7	7.7	30.9	30.9	93.3	93.3	6.6	6.5	2.1	4.0	5	5	86	88	825692	806965	<0.2	<0.2	1.3	1.4
						1.0	0.3	322	24.1		7.7		30.9		93.3		6.6		2.1		5		87				<0.2		1.2	
					Middle	6.0	0.4	28	24.0	24.0	7.7	7.7	31.1	31.1	90.1	90.1	6.4		3.3		5		88				<0.2		1.4	
						6.0	0.4	29	24.0		7.7		31.1		90.1		6.4		3.3		5		89				<0.2		1.5	
					Bottom	11.0	0.4	346	23.9	23.9	7.7	7.7	31.6	31.6	91.6	91.7	6.5	6.5	6.7		6		90				<0.2		1.5	
						11.0	0.4	357	23.9		7.7		31.6		91.8		6.5		6.6		6		89				<0.2		1.4	
C3	Cloudy	Moderate	18:01	12.7	Surface	1.0	0.3	241	23.8	23.8	7.6	7.6	31.9	31.9	90.0	90.0	6.3	6.3	0.6	3.6	7	8	85	88	822119	817808	<0.2	<0.2	0.6	0.7
						1.0	0.3	263	23.8		7.6		31.9		90.0		6.3		0.6		6		86				<0.2		0.8	
					Middle	6.4	0.4	252	23.7	23.7	7.6	7.6	32.1	32.1	88.7	88.7	6.3		5.0		8		87				<0.2		0.7	
						6.4	0.4	269	23.7		7.6		32.1		88.7		6.3		5.0		8		88				<0.2		0.6	
					Bottom	11.7	0.4	266	23.6	23.6	7.6	7.6	32.2	32.2	90.0	90.0	6.3	6.3	5.3		8		92				<0.2		0.6	
						11.7	0.4	266	23.6		7.6		32.2		90.0		6.3		5.3		9		90				<0.2		0.6	
IM1	Cloudy	Moderate	16:47	5.1	Surface	1.0	0.1	357	23.5	23.5	8.3	8.3	31.1	31.1	103.6	103.6	7.4	7.4	6.0	8.2	5	5	89	90	817945	807125	<0.2	<0.2	0.6	0.7
						1.0	0.1	328	23.5		8.3		31.1		103.5		7.4		6.4		5		89				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	25	23.1	23.1	8.3	8.3	31.5	31.5	99.4	99.5	7.1	7.1	10.1		5		91				<0.2		0.7	
						4.1	0.1	26	23.1		8.3		31.5		99.5		7.1		10.3		5		91				<0.2		0.6	
IM2	Cloudy	Moderate	16:39	7.0	Surface	1.0	0.2	339	23.5	23.5	8.3	8.3	31.0	31.0	102.2	102.2	7.3	7.3	3.8	6.2	3	4	88	92	818178	806181	<0.2	<0.2	0.7	0.7
						1.0	0.2	341	23.5		8.3		31.0		102.2		7.3		4.1		3		89				<0.2		0.6	
					Middle	3.5	0.2	352	23.4	23.4	8.3	8.3	31.0	31.0	102.1	102.1	7.3		5.3		4		92				<0.2		0.6	
						3.5	0.2	324	23.4		8.3		31.0		102.0		7.3		5.7		4		93				<0.2		0.7	
					Bottom	6.0	0.2	13	23.2	23.2	8.3	8.3	31.5	31.5	99.6	99.6	7.1	7.1	9.0		3		96				<0.2		0.8	
						6.0	0.2	13	23.2		8.3		31.5		99.6		7.1		9.5		4		96				<0.2		0.7	
IM3	Cloudy	Moderate	16:31	7.4	Surface	1.0	0.5	18	23.4	23.4	8.3	8.3	30.9	30.9	101.2	101.3	7.2	7.2	4.5	8.0	5	5	88	92	818793	805594	<0.2	<0.2	0.7	0.7
						1.0	0.5	19	23.4		8.3		30.9		101.3		7.2		4.9		5		88				<0.2		0.7	
					Middle	3.7	0.4	321	23.2	23.2	8.3	8.3	31.3	31.3	100.2	100.2	7.1		6.8		4		91				<0.2		0.7	
						3.7	0.4	330	23.2		8.3		31.3		100.1		7.1		6.7		5		92				<0.2		0.8	
					Bottom	6.4	0.3	317	23.2	23.2	8.3	8.3	31.4	31.4	99.5	99.5	7.1	7.1	12.3		5		96				<0.2		0.8	
						6.4	0.4	348	23.2		8.3		31.4		99.5		7.1		12.9		4		96				<0.2		0.7	
IM4	Cloudy	Moderate	16:22	7.7	Surface	1.0	0.8	342	23.4	23.4	8.3	8.3	31.0	31.0	100.6	100.6	7.2	7.2	3.1	8.0	5	5	87	91	819727	804616	<0.2	<0.2	0.7	0.7
						1.0	0.8	315	23.4		8.3		31.0		100.5		7.2		3.6		5		87				<0.2		0.7	
					Middle	3.9	0.7	349	23.4	23.4	8.3	8.3	31.0	31.0	100.5	100.5	7.2		8.5		5		91				<0.2		0.7	
						3.9	0.7	321	23.4		8.3		31.0		100.5		7.2		8.9		5		91				<0.2		0.7	
					Bottom	6.7	0.6	341	23.3	23.3	8.3	8.3	31.2	31.2	100.4	100.4	7.2	7.2	11.8		4		96				<0.2		0.6	
						6.7	0.6	314	23.3		8.3		31.2		100.4		7.2		11.8		4		96				<0.2		0.7	
IM5	Cloudy	Moderate	16:13	7.0	Surface	1.0	1.1	12	23.5	23.5	8.3	8.3	30.7	30.7	101.4	101.4	7.2	7.2	7.5	8.5	4	4	88	92	820741	804853	<0.2	<0.2	0.8	0.9
						1.0	1.2	12	23.4		8.3		30.7		101.4		7.2		7.7		3		89				<0.2		0.9	
					Middle	3.5	0.9	3	23.4	23.4	8.2	8.2	30.8	30.8	101.3	101.3	7.2		8.4		5		92				<0.2		0.9	
						3.5	0.9	3	23.4		8.2		30.8		101.3		7.2		8.4		4		93				<0.2		0.9	
					Bottom	6.0	0.7	29	23.3	23.3	8.2	8.2	30.9	30.9	100.9	100.9	7.2	7.2	9.0		5		93				<0.2		0.9	
						6.0	0.8	31	23.3		8.2		30.9		100.9		7.2		9.9		4		94				<0.2		0.9	
IM6	Cloudy	Moderate	16:05	7.3	Surface	1.0	0.2	183	23.8	23.8	8.2	8.2	30.2	30.2	99.1	99.1	7.0	7.1	3.7	4.3	3	4	86	92	821037	805847	<0.2	<0.2	0.9	0.9
						1.0	0.2	196	23.8		8.2		30.2		99.1		7.0		3.8		3		87				<0.2		0.8	
					Middle	3.7	0.2	66	23.5	23.5	8.2	8.2	30.6	30.6	100.1	100.1	7.1		4.3		4		92				<0.2		0.9	
						3.7	0.2	70	23.5		8.2		30.6		100.1		7.1		4.3		4		94				<0.2		0.8	
					Bottom	6.3	0.1	43	23.4	23.4	8.2	8.2	30.8	30.8	100.5	100.5	7.2	7.2	4.7		4		94				<0.2		0.9	
						6.3	0.2	46	23.4		8.2		30.9		100.4		7.2		4.7		4		96				<0.2		0.9	
IM7	Cloudy	Moderate	15:53	8.1	Surface	1.0	0.1	200	23.8	23.8	8.2	8.2	30.3	30.3	98.8	98.9	7.0	7.1	8.5	4.8	4	5	88	91	821354	806827	<0.2	<0.2	0.8	0.8
						1.0	0.1	216	23.8		8.2		30.3		98.9		7.0		8.5		5		88				<0.2		0.8	
					Middle	4.1	0.2	123	23.6	23.6	8.2	8.2	30.5	30.5	99.8	99.8	7.1		2.3		4		90				<0.2		0.9	
						4.1	0.2	132	23.6		8.2		30.5		99.8		7.1		2.3		5		90				<0.2		0.8	
					Bottom	7.1	0.2	96	23.5	23.5	8.2	8.2	30.7	30.7	100.7	100.8	7.2	7.2	3.6		6		95				<0.2		0.9	
						7.1	0.3	96	23.5		8.2		30.7		100.8		7.2		3.4		5		94				<0.2		0.8	
IM8	Cloudy	Moderate	16:23	7.4	Surface	1.0	0.1	158	23.7	23.7	7.7	7.7	31.0	31.0	100.4	100.4	7.1	7.1	2.8	3.6	3	4	86	88	821815	808146	<0.2	<0.2	1.3	1.3
						1.0	0.1	167	23.7		7.7		31.0		100.4		7.1		2.8		3		85				<0.2		1.2	
					Middle	3.7	0.2	102	23.7	23.7	7.7	7.7	31.0	31.0	99.9	99.9	7.1		3.9		3		87				<0.2		1.2	
						3.7	0.2	109	23.7		7.7		31.0		99.9		7.1		3.9		4		88				<0.2		1.3	
					Bottom	6.4	0.1	209	23.6	23.6	7.7	7.7	31.0	31.0	99.9	99.9	7.1	7.1	4.0		4		89				<0.2		1.3	
						6.4	0.1	224	23.6		7.7		31.0		99.9		7.1		4.0		5		90				<0.2		1.3	

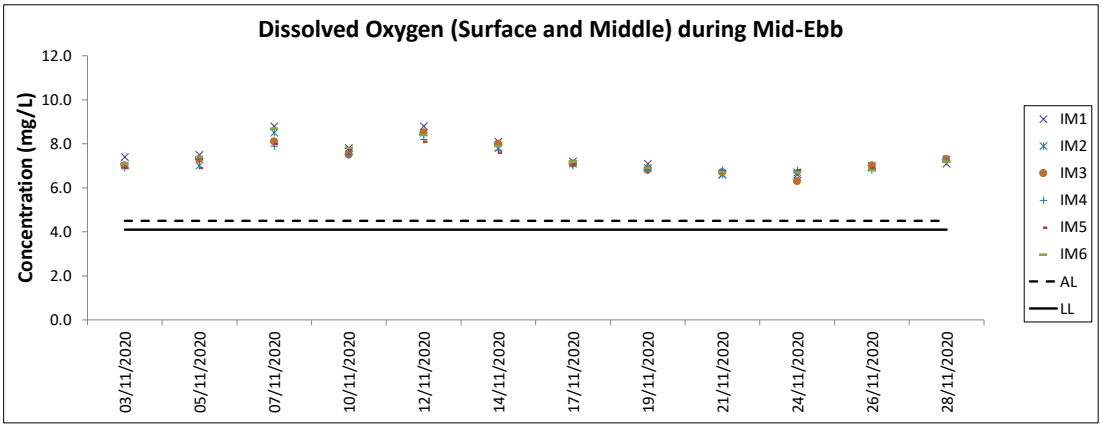
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

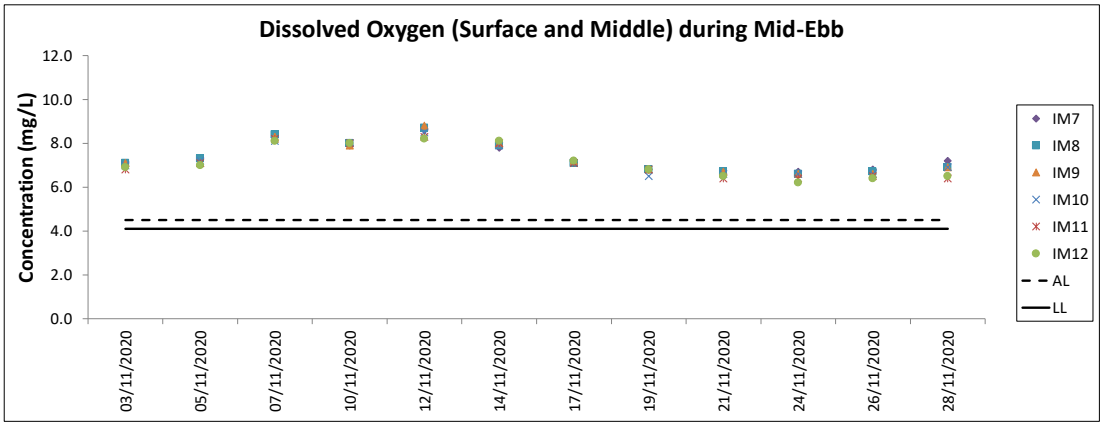
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 November 20 during Mid-Flood Tide

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	16:29	7.6	Surface	1.0	0.2	68	23.8	23.8	7.7	7.7	30.9	30.9	97.0	97.0	6.9	6.9	3.2	4.0	4	4	86	88	822112	808807	<0.2	<0.2	1.4	1.3
						1.0	0.3	68	23.8		7.7		30.9		97.0		6.9		3.2		4		86				<0.2		1.4	
					Middle	3.8	0.3	79	23.8	23.8	7.7	7.7	30.9	30.9	97.3	97.3	6.9		3.8		5		89				<0.2		1.4	
						3.8	0.3	84	23.8		7.7		30.9		97.3		6.9		3.8		4		87				<0.2		1.3	
					Bottom	6.6	0.2	76	23.7	23.7	7.7	7.7	30.9	30.9	97.9	97.9	6.9	6.9	5.1		4		91				<0.2		1.2	
						6.6	0.2	77	23.7		7.7		30.9		97.9		6.9		5.1		3		91				<0.2		1.3	
IM10	Cloudy	Moderate	16:40	7.2	Surface	1.0	0.5	329	23.8	23.8	7.7	7.7	30.9	30.9	96.8	96.8	6.9	6.9	3.8	4.1	5	5	85	88	822365	809794	<0.2	<0.2	1.2	1.3
						1.0	0.6	329	23.8		7.7		30.9		96.7		6.9		3.8		6		86				<0.2		1.2	
					Middle	3.6	0.4	332	23.8	23.8	7.7	7.7	30.9	30.9	96.6	96.6	6.8		4.2		5		87				<0.2		1.2	
						3.6	0.4	350	23.8		7.7		30.9		96.6		6.8		4.2		5		89				<0.2		1.4	
					Bottom	6.2	0.3	332	23.8	23.8	7.7	7.7	30.9	30.9	97.6	97.6	6.9	6.9	4.4		4		91				<0.2		1.4	
						6.2	0.3	336	23.8		7.7		30.9		97.6		6.9		4.4		3		91				<0.2		1.2	
IM11	Cloudy	Moderate	16:53	8.1	Surface	1.0	0.5	306	23.8	23.8	7.6	7.6	30.9	30.9	93.8	93.8	6.6	6.6	7.5	12.6	5	5	86	87	822069	811477	<0.2	<0.2	1.3	1.3
						1.0	0.6	306	23.8		7.6		30.9		93.8		6.6		7.5		5		85				<0.2		1.3	
					Middle	4.1	0.5	310	23.9	23.9	7.6	7.6	31.1	31.1	92.0	92.0	6.5		15.3		5		87				<0.2		1.2	
						4.1	0.5	336	23.9		7.6		31.1		92.0		6.5		15.3		5		88				<0.2		1.3	
					Bottom	7.1	0.4	307	23.9	23.9	7.6	7.6	31.1	31.1	92.7	92.7	6.6	6.6	15.1		6		90				<0.2		1.3	
						7.1	0.5	318	23.9		7.6		31.1		92.7		6.6		15.1		6		88				<0.2		1.2	
IM12	Cloudy	Moderate	17:00	9.0	Surface	1.0	0.5	301	23.9	23.9	7.6	7.6	30.9	30.9	92.3	92.3	6.5	6.5	4.2	5.9	4	4	85	88	821471	812028	<0.2	<0.2	1.2	1.2
						1.0	0.5	317	23.9		7.6		30.9		92.3		6.5		4.2		4		85				<0.2		1.2	
					Middle	4.5	0.4	302	23.9	23.9	7.6	7.6	31.0	31.0	91.1	91.1	6.4		6.4		3		86				<0.2		1.2	
						4.5	0.4	306	23.9		7.6		31.0		91.1		6.4		6.4		3		89				<0.2		1.3	
					Bottom	8.0	0.3	298	23.9	23.9	7.6	7.6	31.2	31.2	91.8	91.8	6.5	6.5	7.0		4		90				<0.2		1.3	
						8.0	0.3	324	23.9		7.6		31.2		91.8		6.5		7.0		4		91				<0.2		1.2	
SR1A	Cloudy	Moderate	17:20	4.5	Surface	1.0	-	-	24.1	24.1	7.6	7.6	30.8	30.8	95.1	95.1	6.7	6.7	5.1	5.4	5	6	-	-	819982	812658	-	-	-	-
						1.0	-	-	24.1		7.6		30.8		95.1		6.7		5.1		5		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	24.0	24.0	7.6	7.6	30.9	30.9	97.8	97.9	6.9	6.9	5.7		7		-				-		-	
						3.5	-	-	24.0		7.6		30.9		97.9		6.9		5.5		6		-				-		-	
SR2	Cloudy	Moderate	17:34	4.6	Surface	1.0	0.1	260	23.9	23.9	7.6	7.6	31.6	31.6	91.7	91.7	6.5	6.5	12.3	12.3	7	8	89	88	821465	814172	<0.2	<0.2	1.1	1.1
						1.0	0.1	282	23.9		7.6		31.6		91.7		6.5		12.3		8		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	257	23.8	23.8	7.6	7.6	31.7	31.7	96.3	96.3	6.8	6.8	12.3		8		89				<0.2		1.2	
						3.6	0.1	262	23.8		7.6		31.7		96.3		6.8		12.3		9		88				<0.2		1.1	
SR3	Cloudy	Moderate	16:18	8.4	Surface	1.0	0.1	144	23.8	23.8	7.7	7.7	30.7	30.7	98.3	98.3	7.0	7.0	1.9	2.7	4	3	-	-	822142	807578	-	-	-	-
						1.0	0.1	147	23.8		7.7		30.7		98.3		7.0		1.9		3		-				-		-	
					Middle	4.2	0.1	157	23.7	23.7	7.7	7.7	30.9	30.9	98.3	98.3	7.0		2.9		3		-				-		-	
						4.2	0.1	170	23.7		7.7		30.9		98.3		7.0		2.9		2		-				-		-	
					Bottom	7.4	0.0	250	23.6	23.6	7.7	7.7	31.0	31.0	98.4	98.4	7.0	7.0	3.3		2		-				-		-	
						7.4	0.0	268	23.6		7.7		31.0		98.4		7.0		3.3		3		-				-		-	
SR4A	Cloudy	Calm	17:32	9.4	Surface	1.0	0.3	69	23.5	23.5	8.3	8.3	31.0	31.0	102.3	102.3	7.3	7.2	3.4	4.0	4	4	-	-	817201	807800	-	-	-	-
						1.0	0.3	73	23.5		8.3		31.0		102.3		7.3		3.4		4		-				-		-	
					Middle	4.7	0.4	76	23.4	23.4	8.3	8.3	31.1	31.1	100.2	100.2	7.1		4.0		4		-				-		-	
						4.7	0.4	83	23.4		8.3		31.1		100.2		7.1		4.0		4		-				-		-	
					Bottom	8.4	0.3	67	23.4	23.4	8.3	8.3	31.1	31.1	99.6	99.6	7.1	7.1	4.4		3		-				-		-	
						8.4	0.3	72	23.4		8.3		31.1		99.6		7.1		4.6		3		-				-		-	
SR5A	Cloudy	Calm	17:51	4.2	Surface	1.0	0.1	318	24.0	24.0	8.2	8.2	30.5	30.5	98.7	98.7	7.0	7.0	6.8	5.5	5	5	-	-	816603	810699	-	-	-	-
						1.0	0.1	339	24.0		8.2		30.5		98.7		7.0		6.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	323	24.0	24.0	8.2	8.2	30.5	30.5	98.4	98.4	7.0	7.0	4.3		5		-				-		-	
						3.2	0.1	354	24.0		8.2		30.5		98.4		7.0		4.3		4		-				-		-	
SR6A	Cloudy	Calm	18:21	4.3	Surface	1.0	0.0	232	24.1	24.1	8.2	8.2	30.2	30.2	93.6	93.6	6.6	6.6	6.9	7.3	10	10	-	-	817942	814749	-	-	-	-
						1.0	0.0	252	24.1		8.2		30.2		93.6		6.6		6.9		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	193	24.1	24.1	8.2	8.2	30.2	30.2	93.7	93.7	6.6	6.6	7.7		10		-				-		-	
						3.3	0.1	195	24.0		8.2		30.2		93.7		6.6		7.8		10		-				-		-	
SR7	Cloudy	Moderate	18:42	16.7	Surface	1.0	0.0	116	23.6	23.6	7.6	7.6	32.2	32.2	88.0	88.0	6.2	6.2	1.3	3.0	4	4	-	-	823633	823740	-	-	-	-
						1.0	0.0	116	23.6		7.6		32.2		88.0		6.2		1.3		3		-				-		-	
					Middle	8.4	0.1	184	23.6	23.6	7.6	7.6	32.3	32.3	88.4	88.4	6.2		3.5		4		-				-		-	
						8.4	0.1	199	23.6		7.6		32.3		88.4		6.2		3.5		4		-				-		-	
					Bottom	15.7	0.1	76	23.6	23.6	7.7	7.7	32.3	32.3	88.8	88.8	6.3	6.3	4.2		4		-				-		-	
						15.7	0.1	78	23.6		7.7		32.3		88.8		6.3		4.2		3		-				-		-	
SR8	Cloudy	Moderate	17:10	4.3	Surface	1.0	-	-	24.2	24.2	7.7	7.7	30.8	30.8	96.1	96.1	6.8	6.8	12.9	14.8	8	8	-	-	820398	811644	-	-	-	-
						1.0	-	-	24.2		7.7		30.8		96.1		6.8		12.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	24.0	24.0	7.7	7.7	30.8	30.8	96.6	96.6	6.8	6.8	16.6		9		-				-		-	
						3.3	-	-	24.0		7.7		30.8		96.6		6.8		16.6		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**


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
26/11/2020
28/11/2020
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
26/11/2020
28/11/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
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26/11/2020
28/11/2020
IM7
IM8
IM9
IM10
IM11
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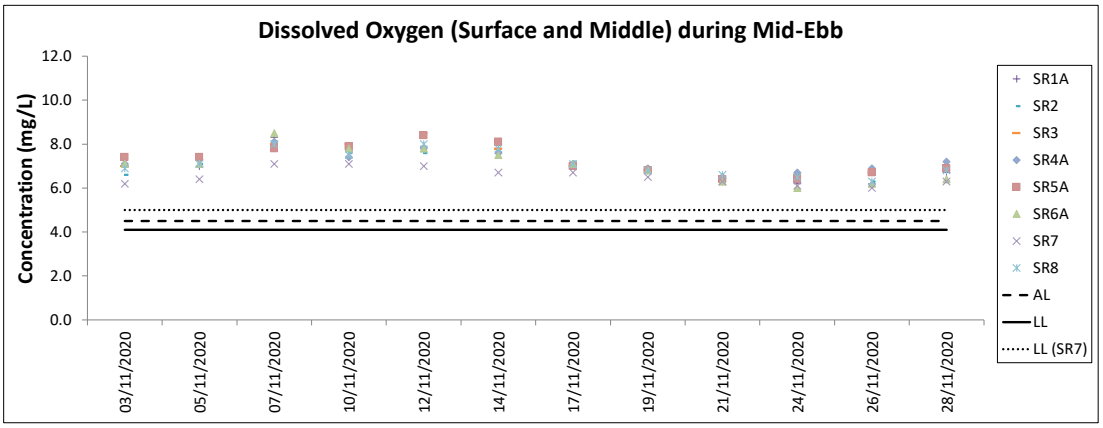
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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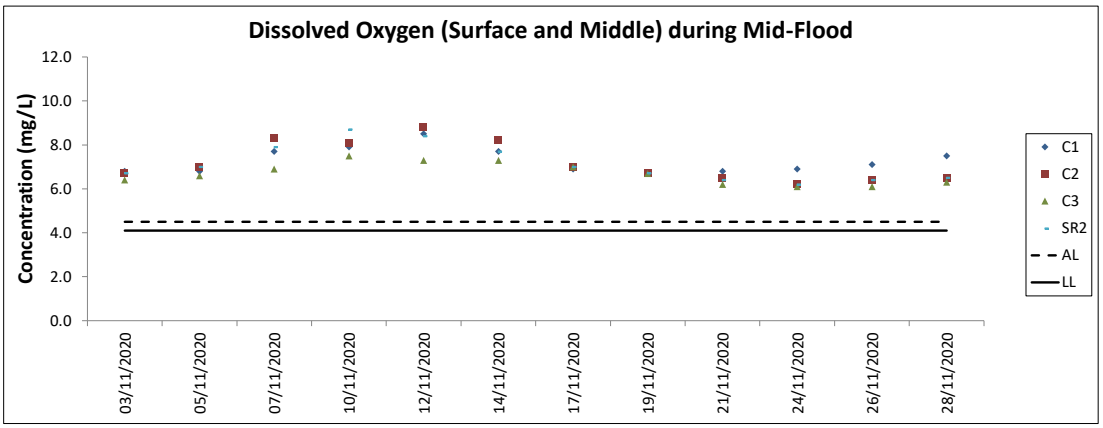
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
26/11/2020
28/11/2020
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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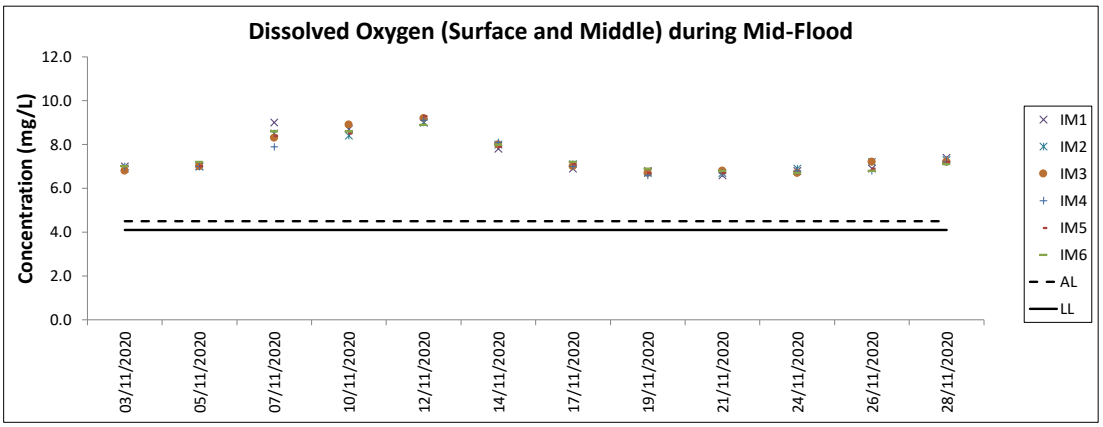
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
26/11/2020
28/11/2020
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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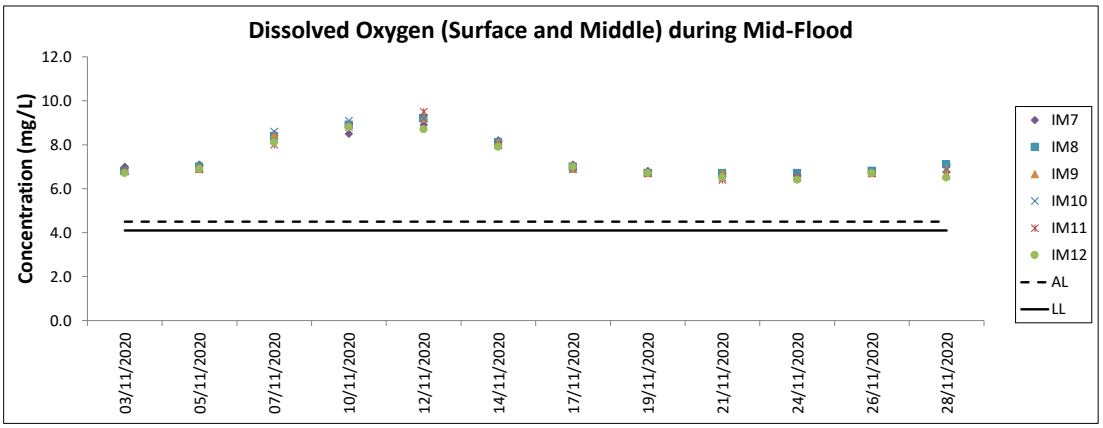
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
26/11/2020
28/11/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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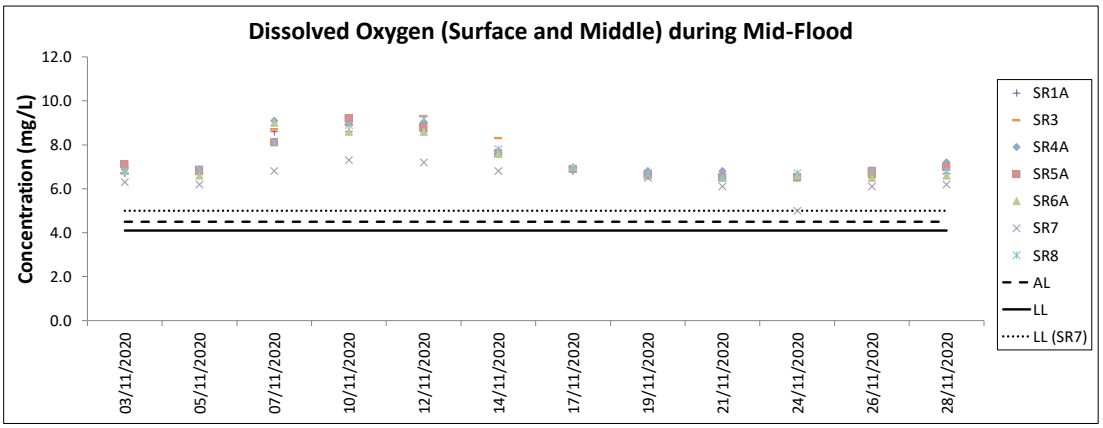
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
26/11/2020
28/11/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
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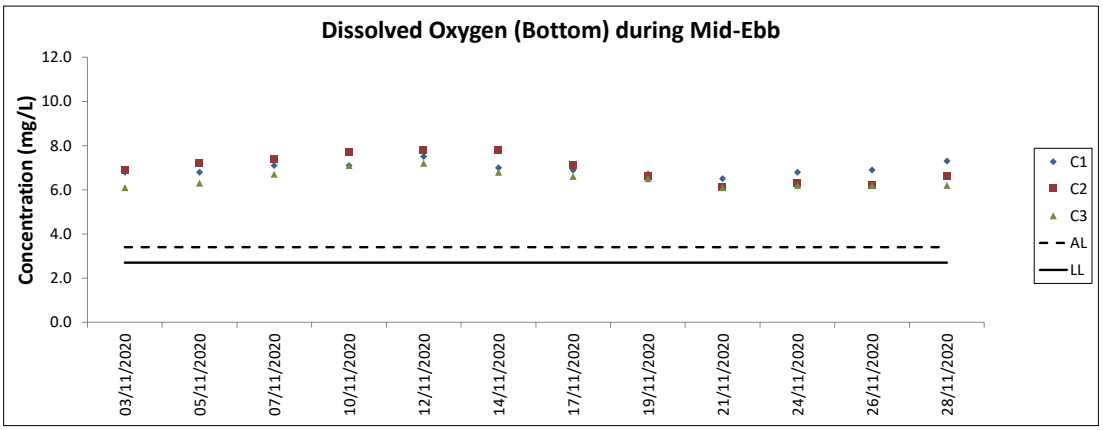
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
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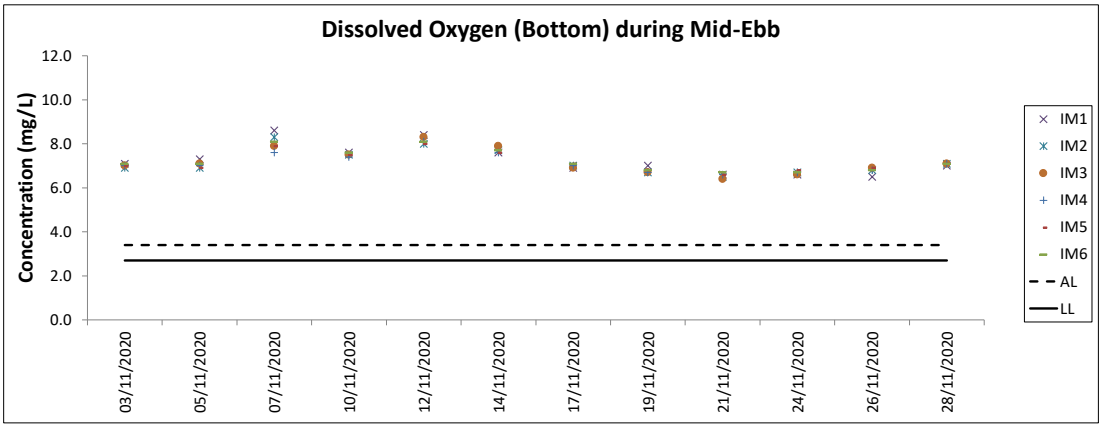
26/11/2020
28/11/2020
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
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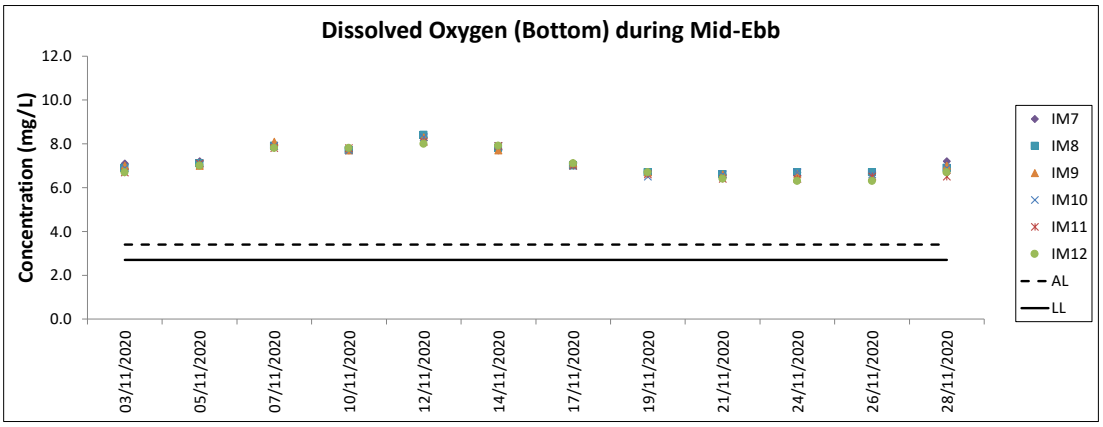
28/11/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
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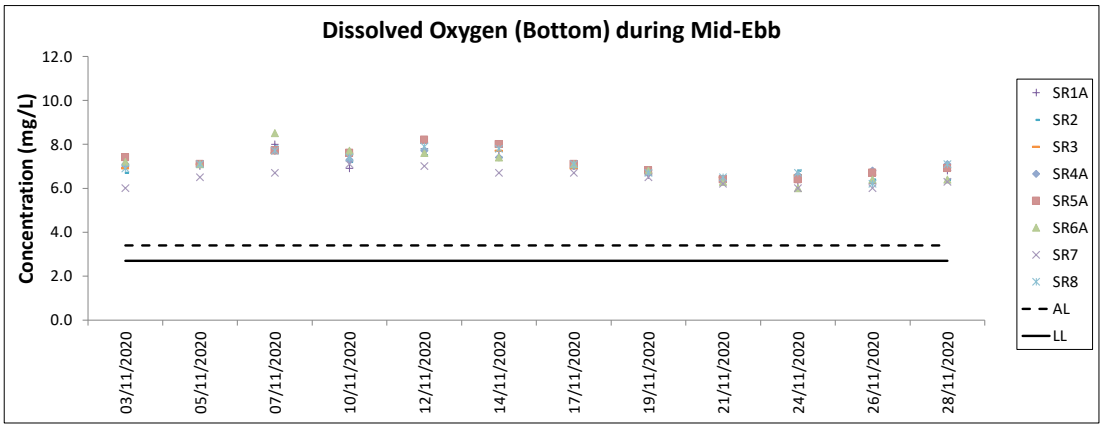
26/11/2020
28/11/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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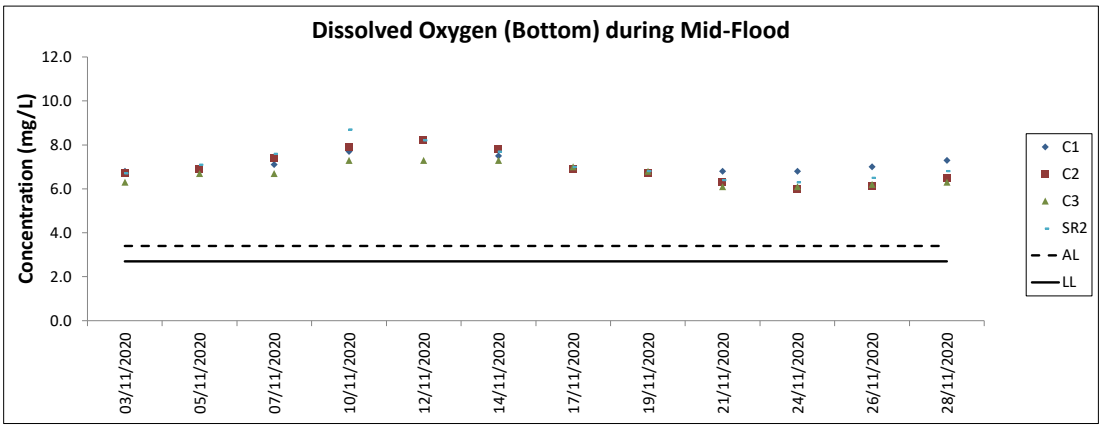
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
26/11/2020
28/11/2020
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
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8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
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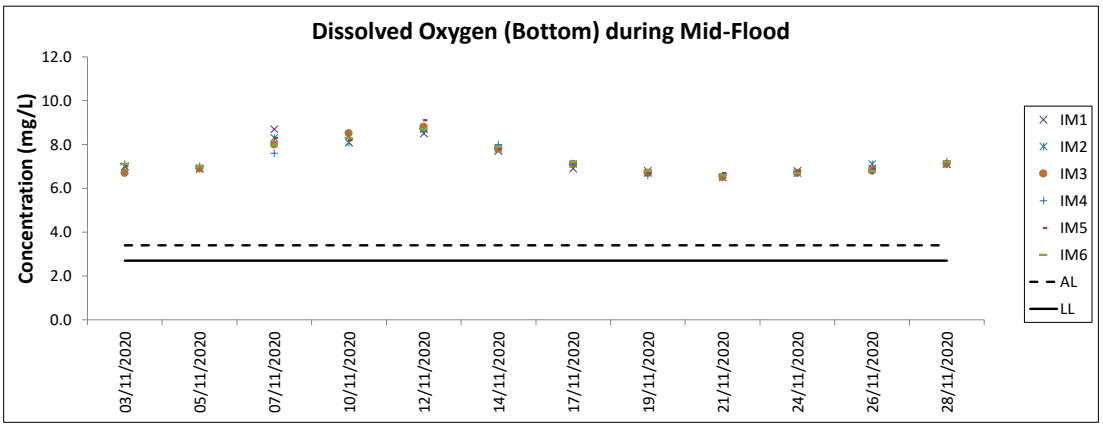
28/11/2020
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
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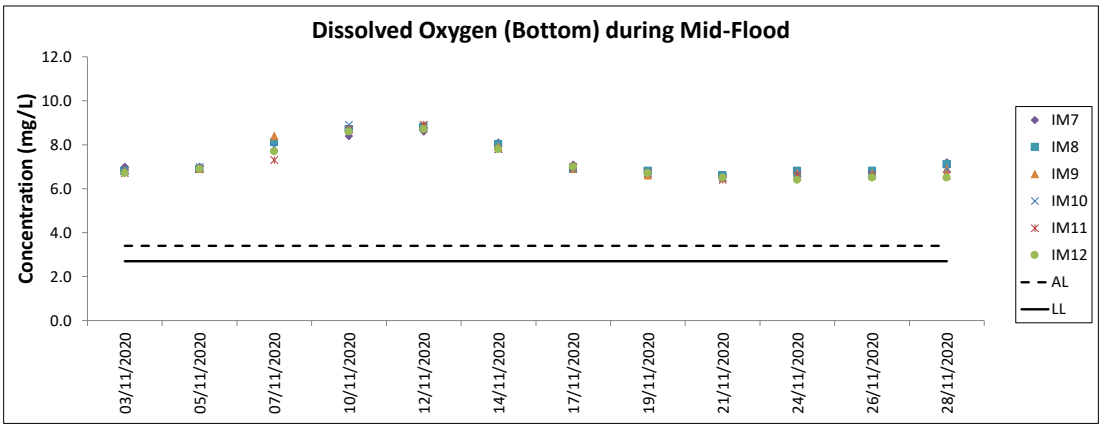
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
26/11/2020
28/11/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
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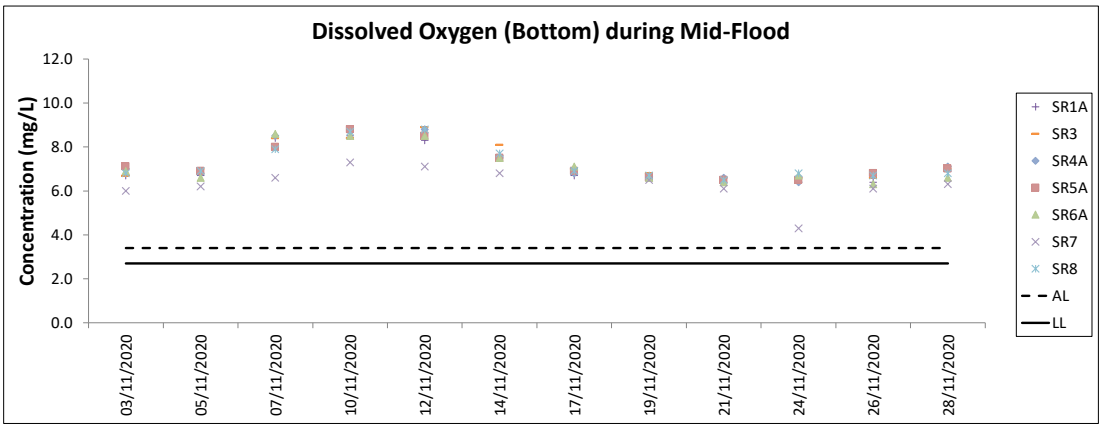
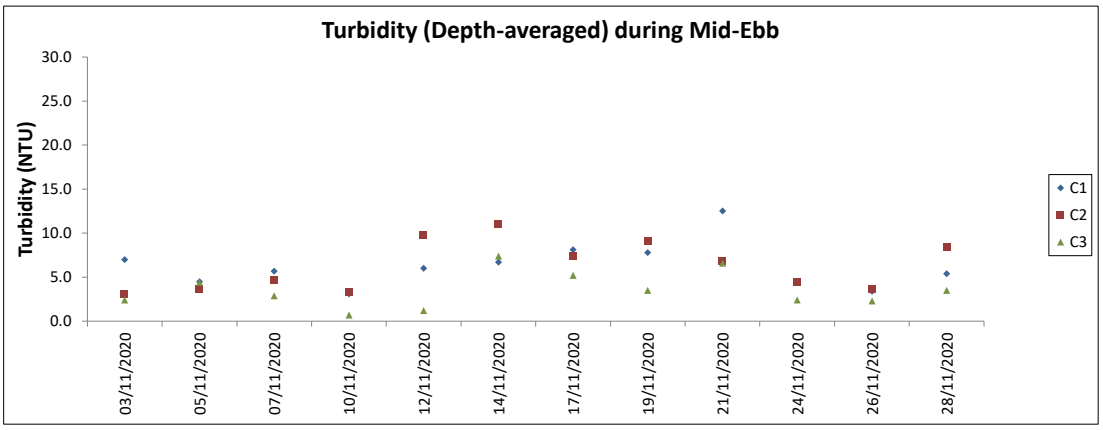
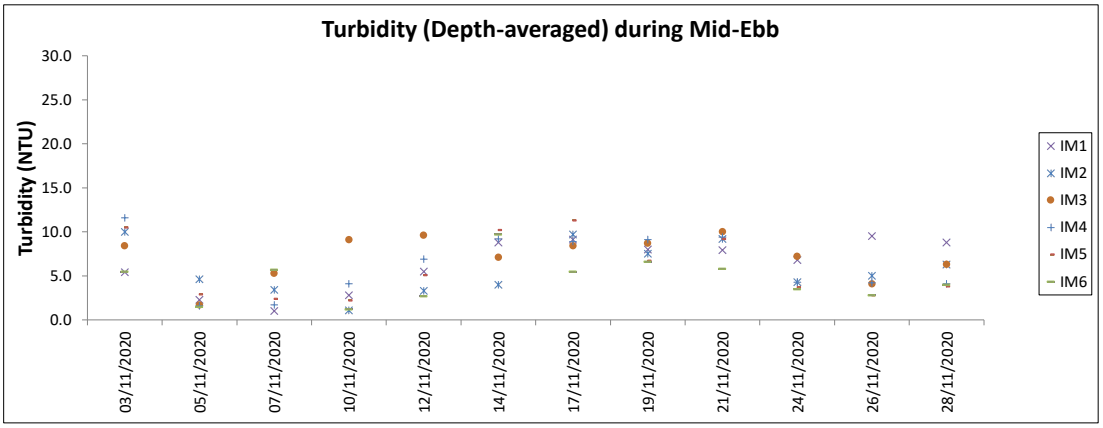
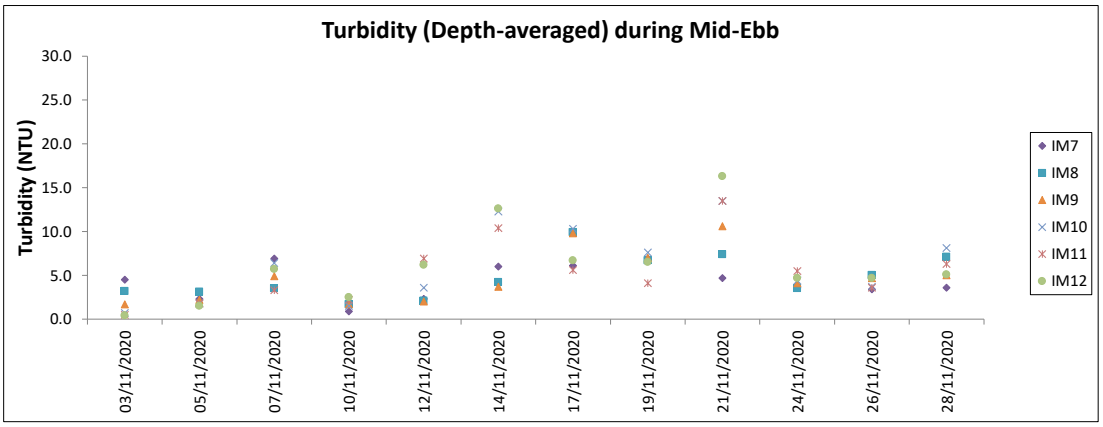
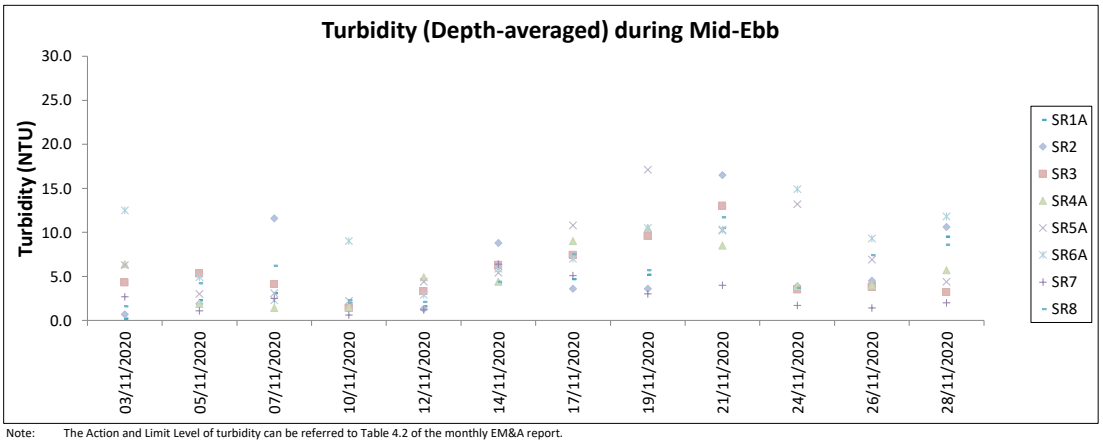
26/11/2020
28/11/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
12.0
10.0
8.0
6.0
4.0
2.0
0.0
03/11/2020
05/11/2020
07/11/2020
10/11/2020
12/11/2020
14/11/2020
17/11/2020
19/11/2020
21/11/2020
24/11/2020
26/11/2020
28/11/2020
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL

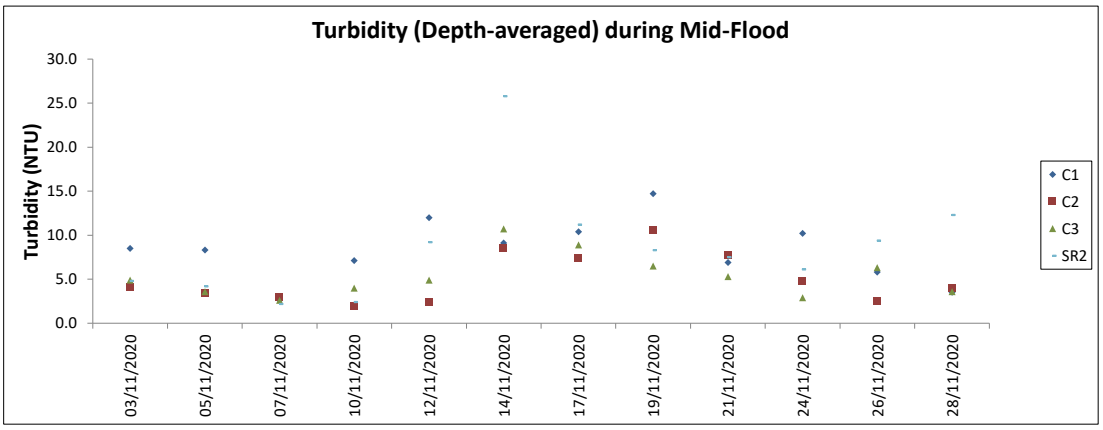


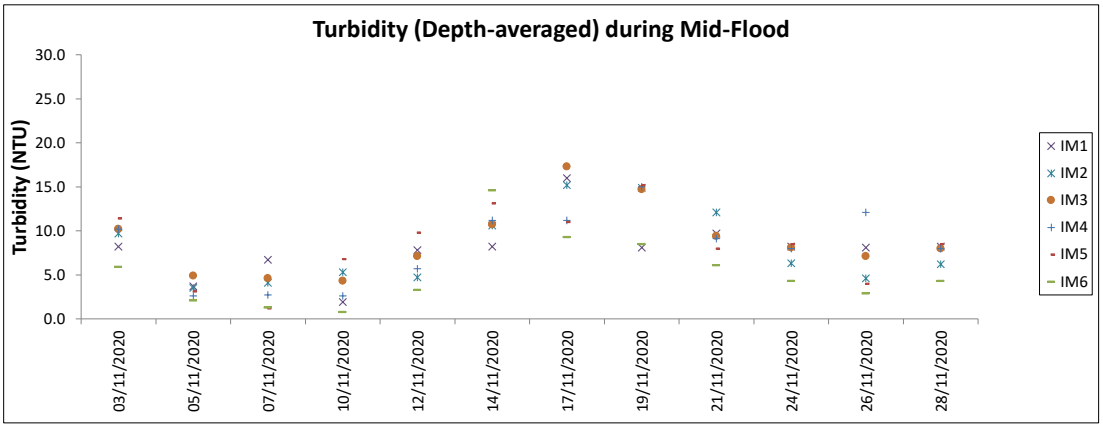


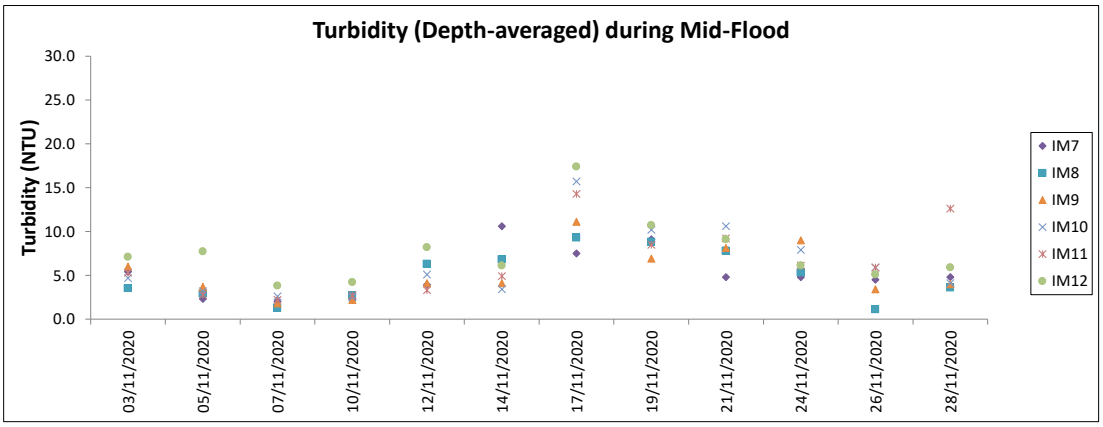


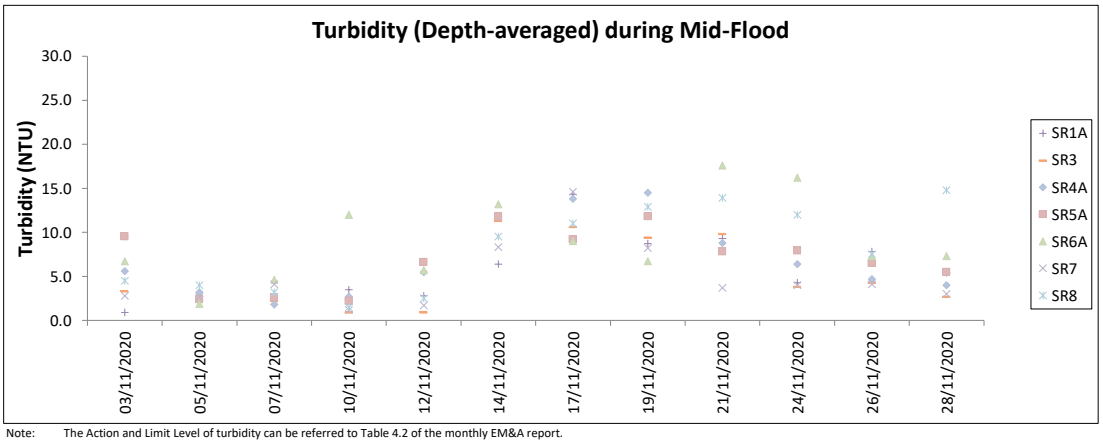


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

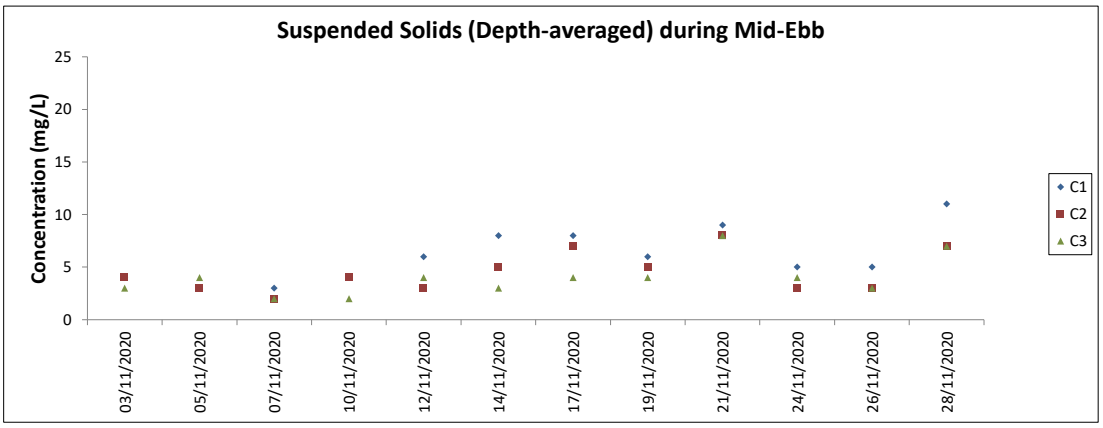


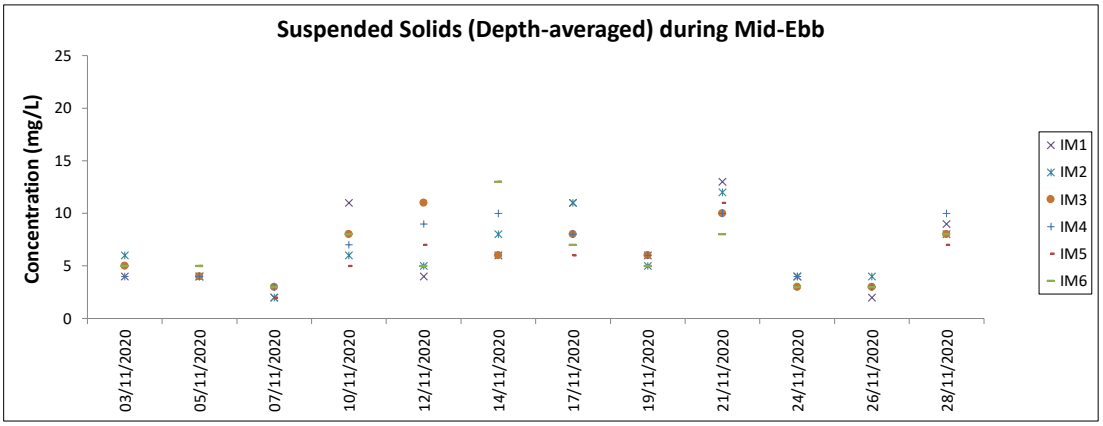


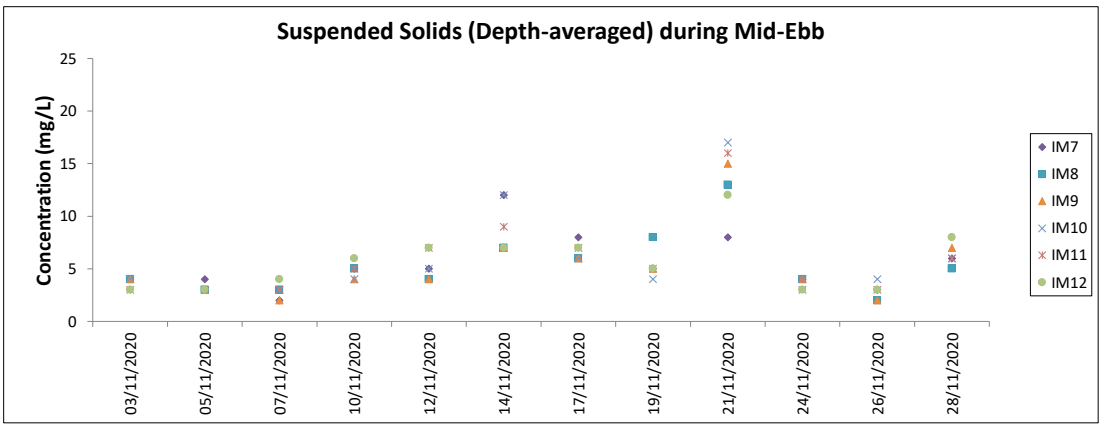


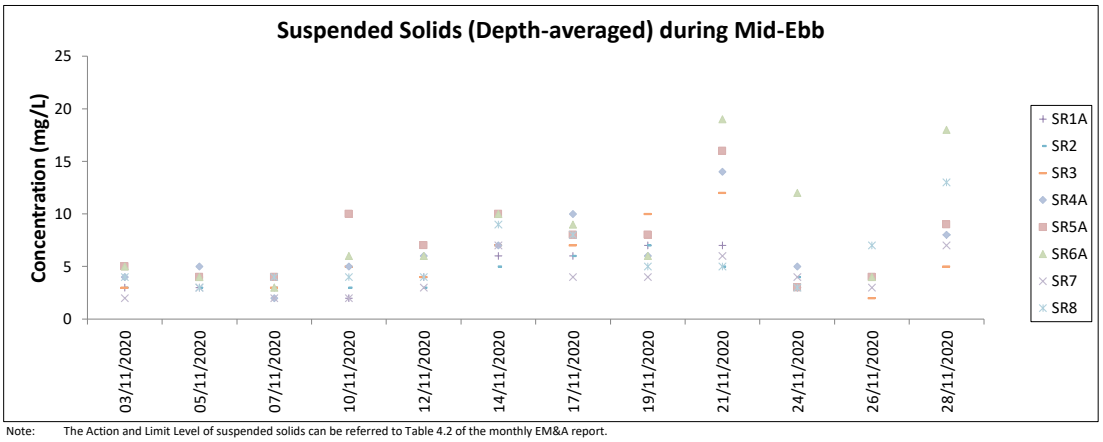


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

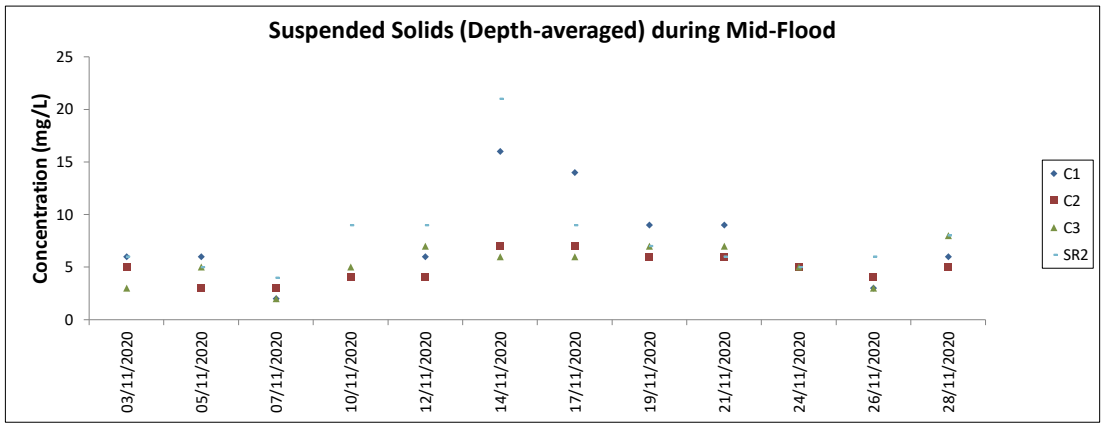


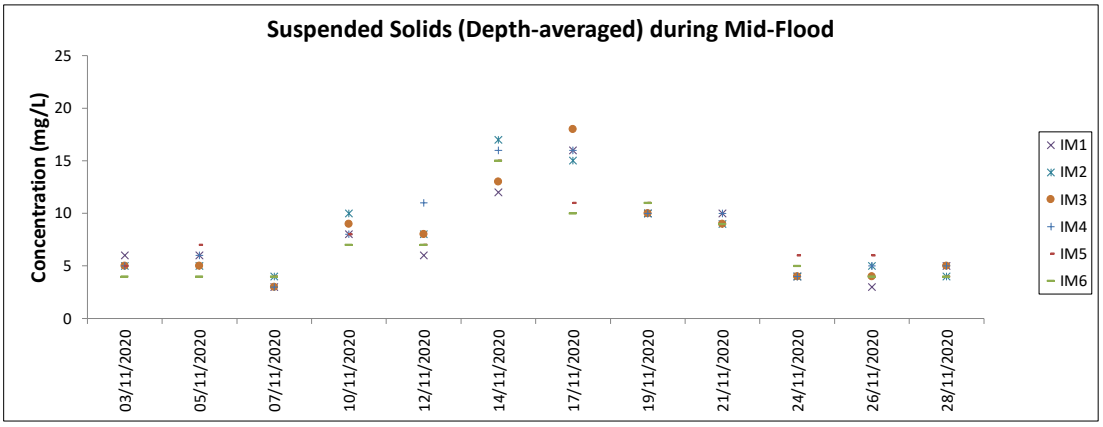


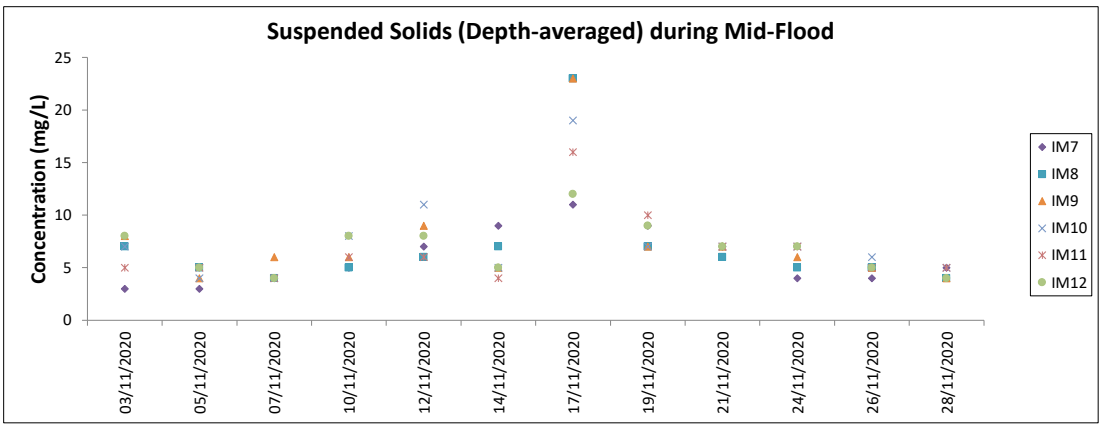


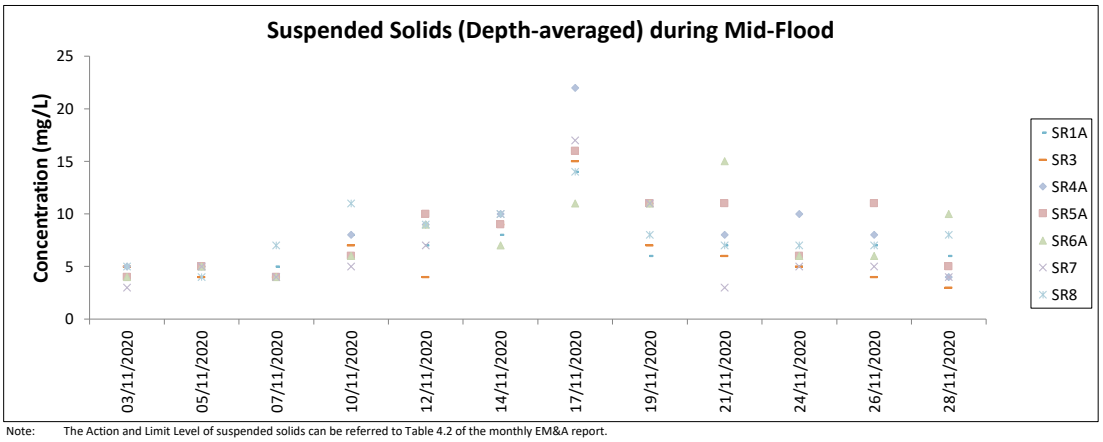


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

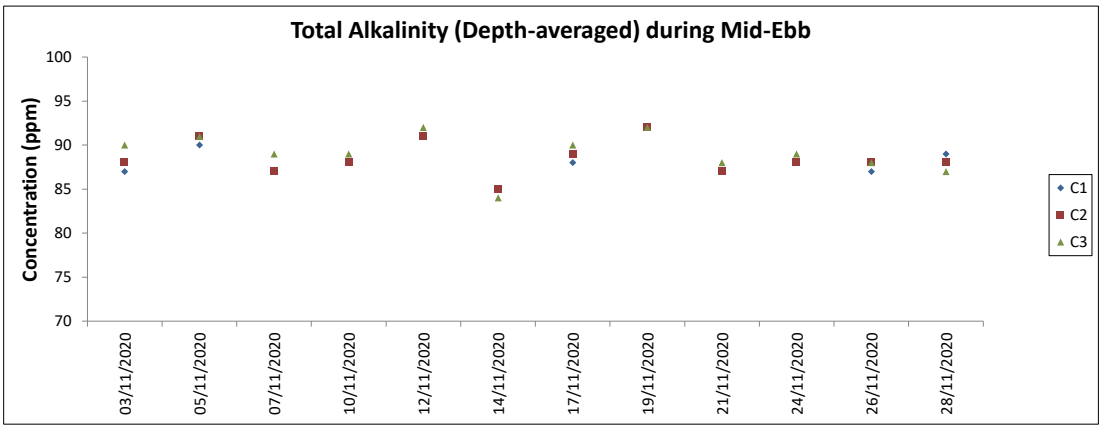


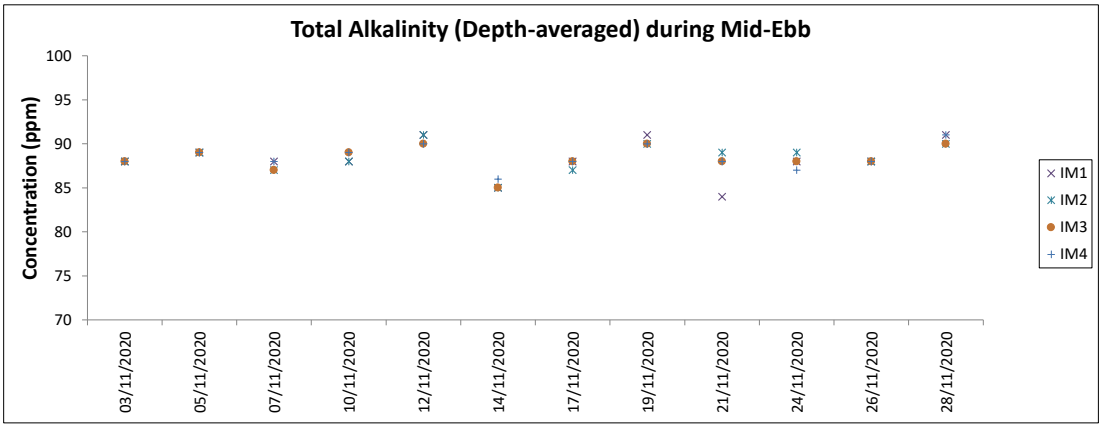


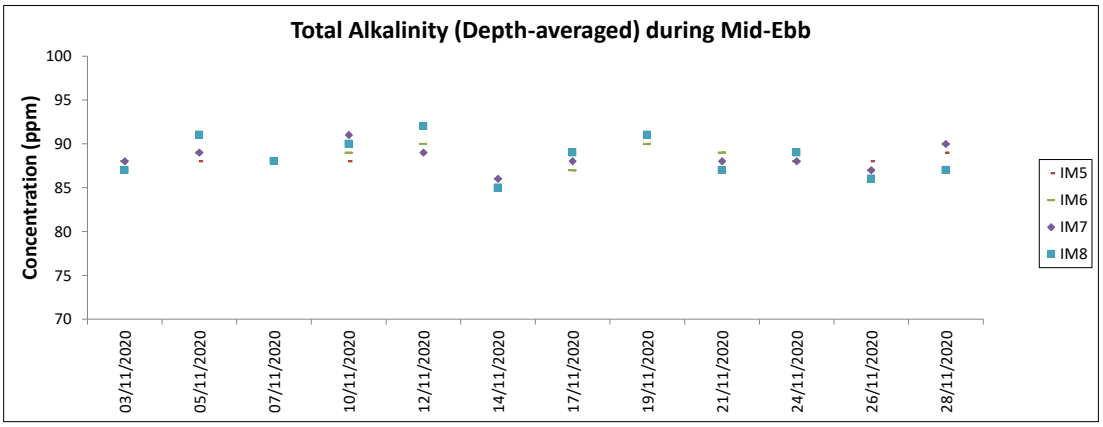


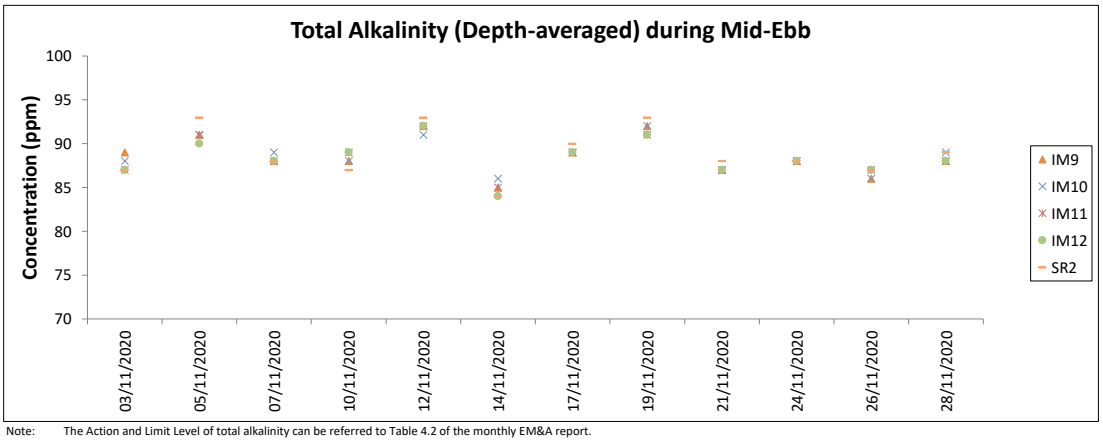


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

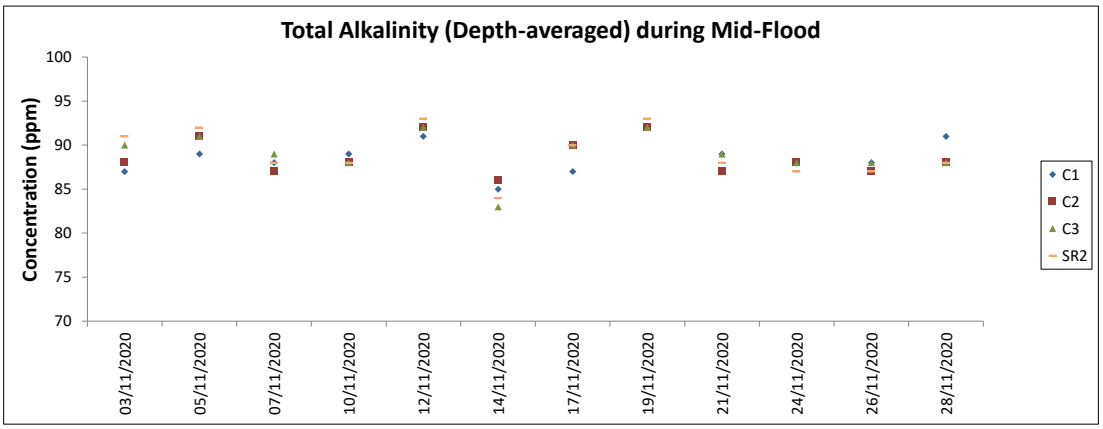


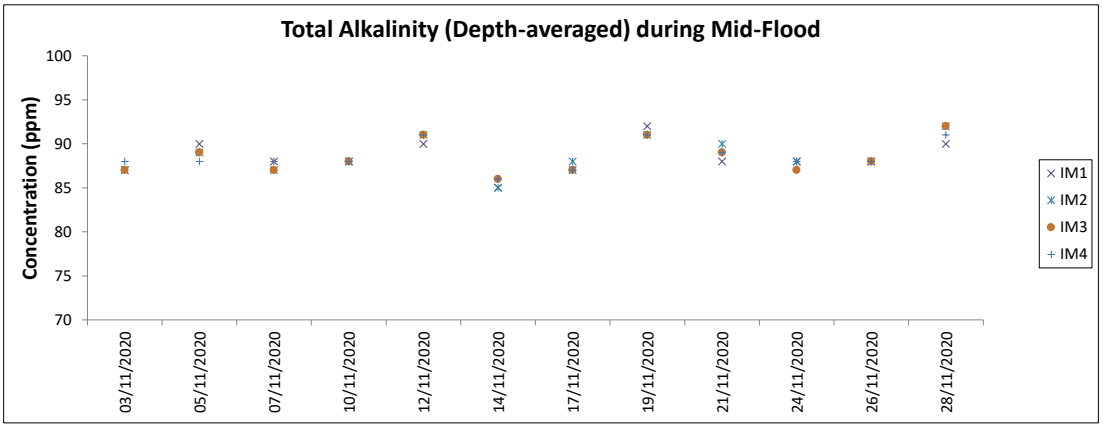


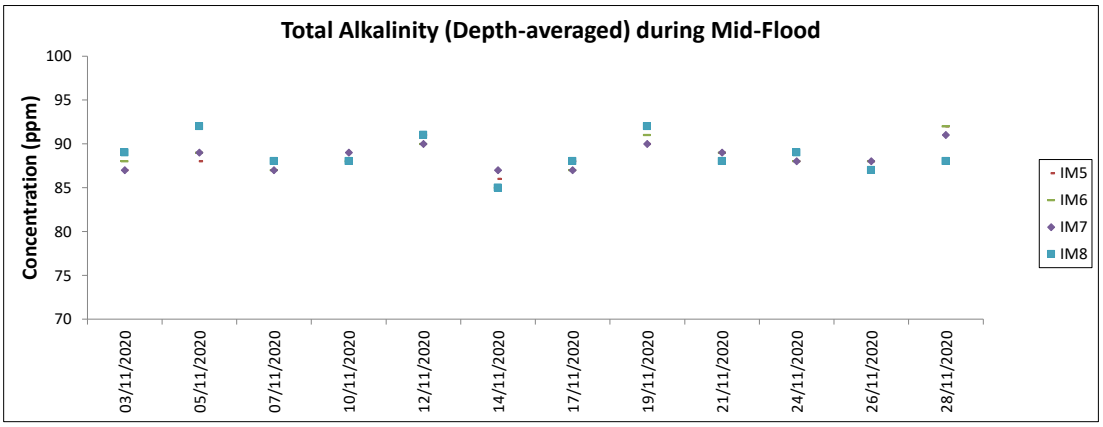


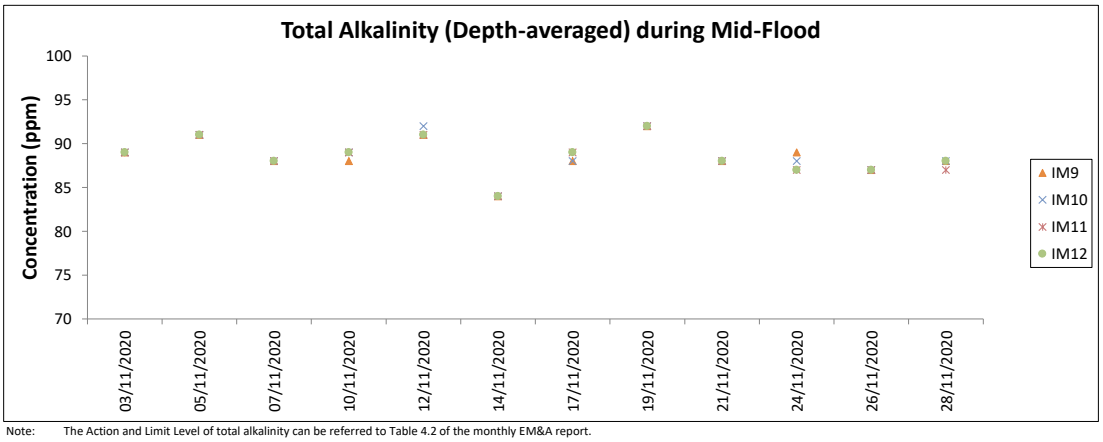


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

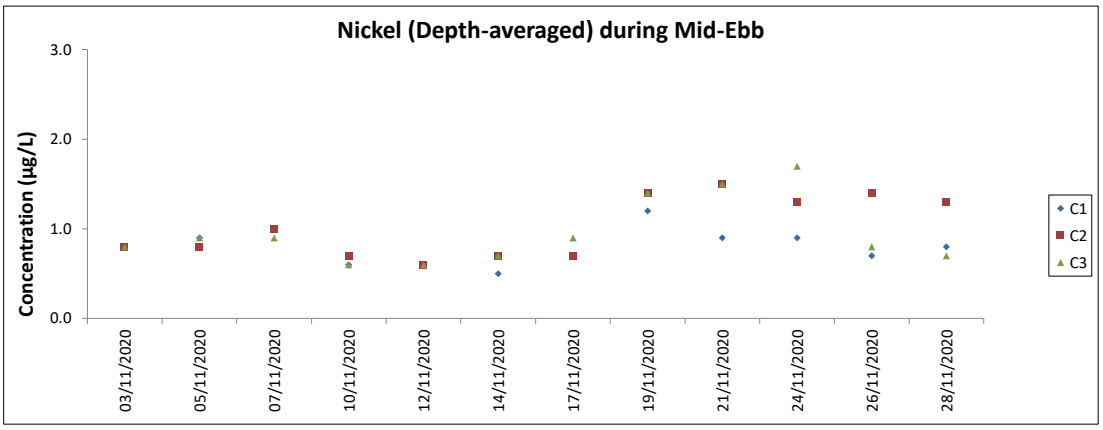


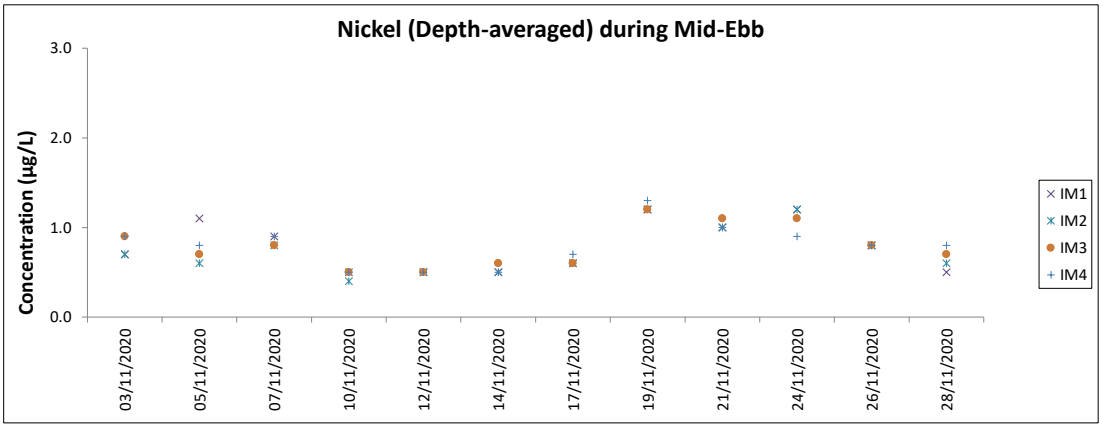


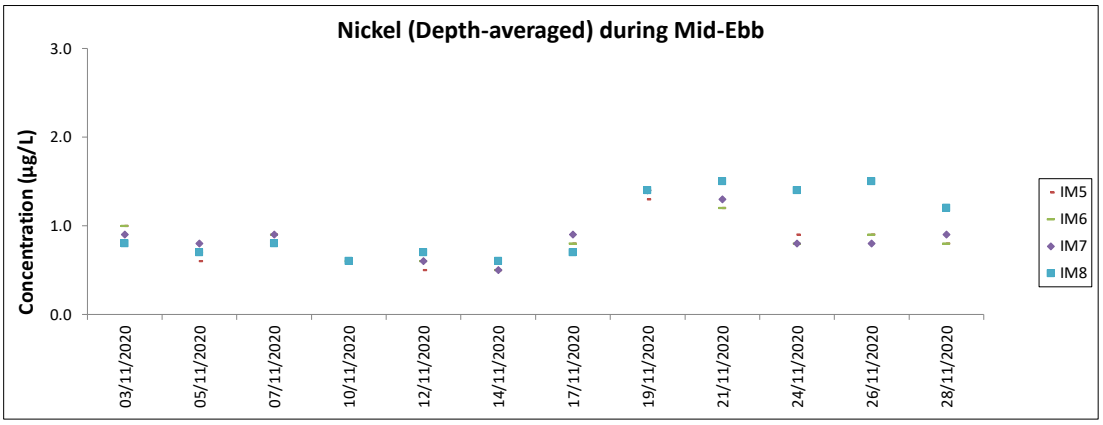


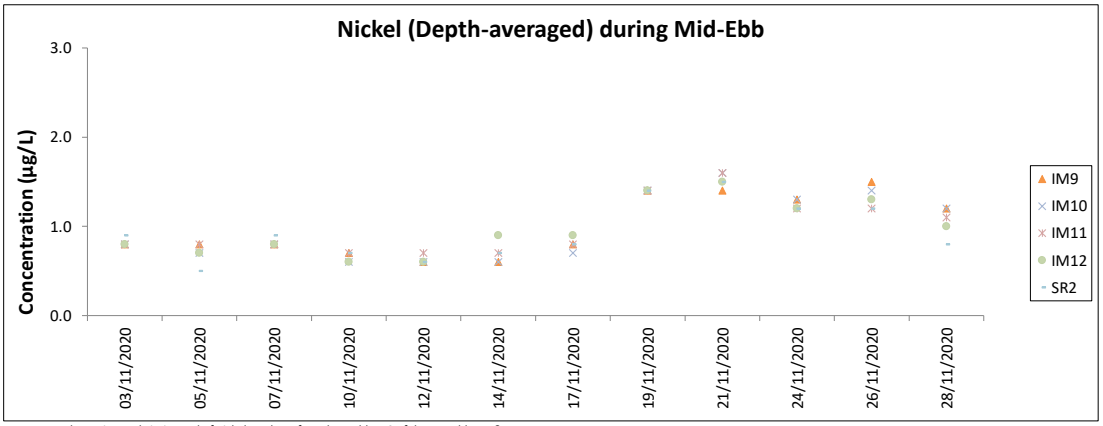


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

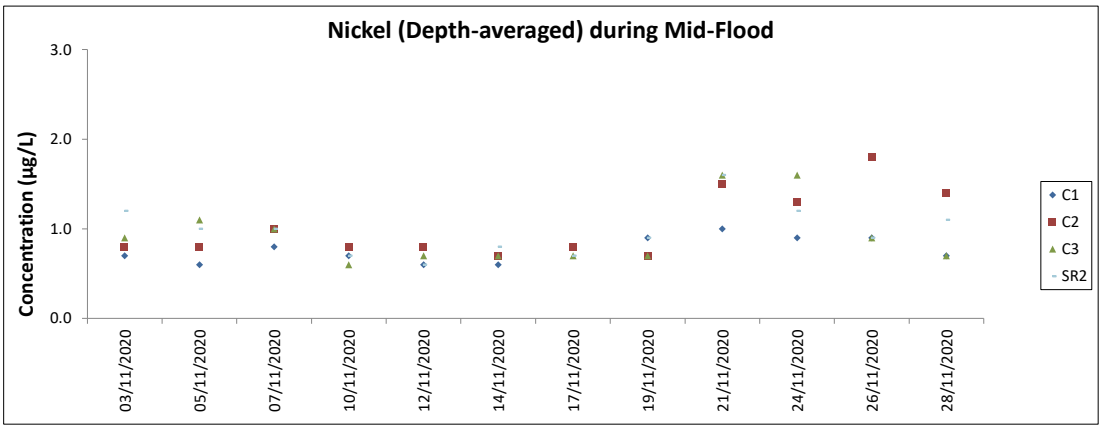


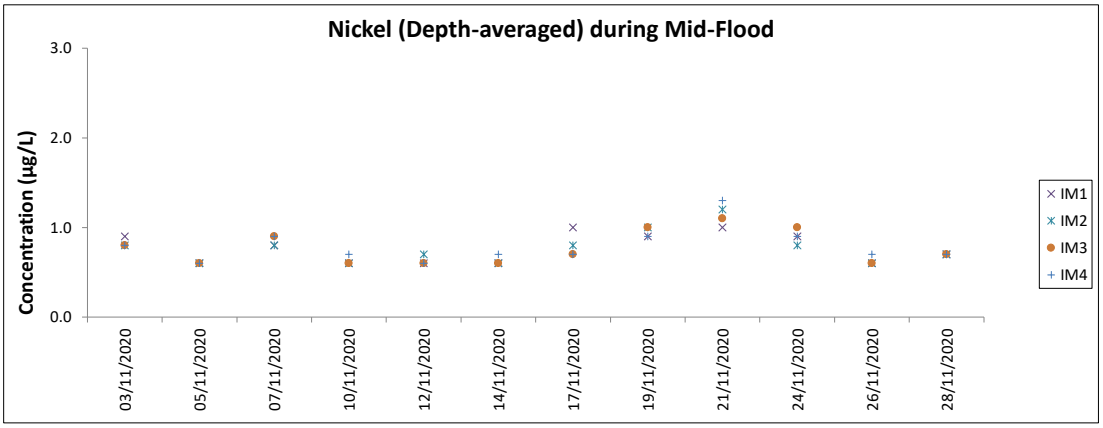


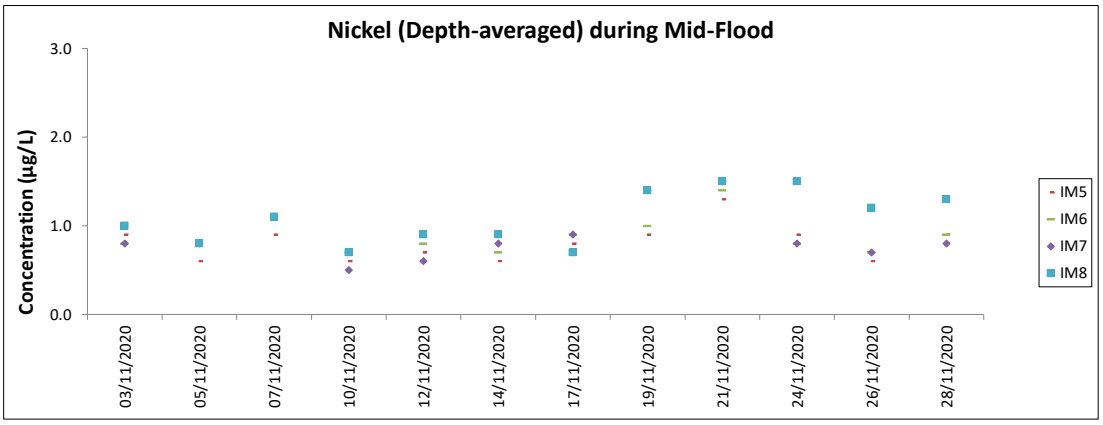


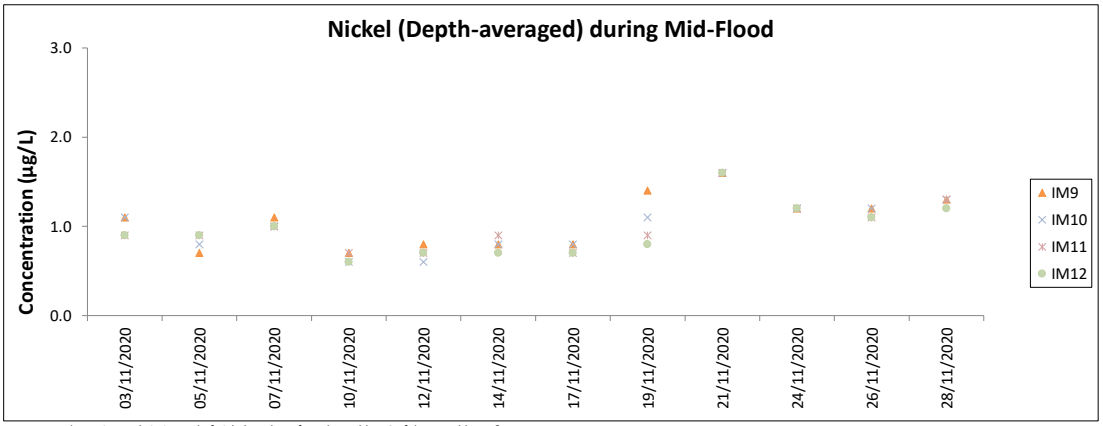


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.

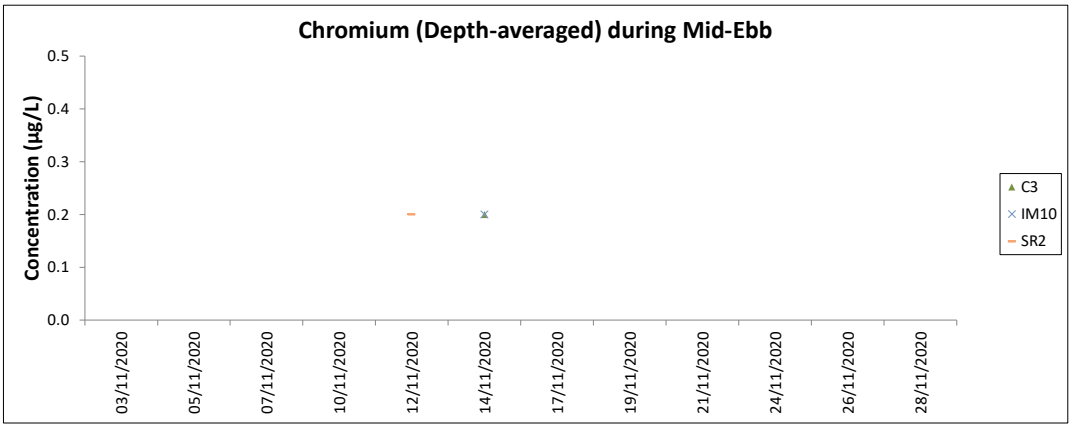








Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
Weather conditions during monitoring are presented in the data tables above.
QA/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



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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
4-Sep-20	SWL	2	25.320	AUTUMN	32166	3RS ET	P
4-Sep-20	SWL	3	29.549	AUTUMN	32166	3RS ET	P
4-Sep-20	SWL	2	8.590	AUTUMN	32166	3RS ET	S
4-Sep-20	SWL	3	6.451	AUTUMN	32166	3RS ET	S
7-Sep-20	SWL	2	25.950	AUTUMN	32166	3RS ET	P
7-Sep-20	SWL	3	28.860	AUTUMN	32166	3RS ET	P
7-Sep-20	SWL	2	12.590	AUTUMN	32166	3RS ET	S
7-Sep-20	SWL	3	3.400	AUTUMN	32166	3RS ET	S
8-Sep-20	NWL	2	41.020	AUTUMN	32166	3RS ET	P
8-Sep-20	NWL	3	21.980	AUTUMN	32166	3RS ET	P
8-Sep-20	NWL	2	7.700	AUTUMN	32166	3RS ET	S
8-Sep-20	NWL	3	4.200	AUTUMN	32166	3RS ET	S
9-Sep-20	AW	2	4.940	AUTUMN	32166	3RS ET	P
9-Sep-20	WL	1	1.240	AUTUMN	32166	3RS ET	P
9-Sep-20	WL	2	12.810	AUTUMN	32166	3RS ET	P
9-Sep-20	WL	3	5.833	AUTUMN	32166	3RS ET	P
9-Sep-20	WL	2	7.540	AUTUMN	32166	3RS ET	S
9-Sep-20	WL	3	3.077	AUTUMN	32166	3RS ET	S
14-Sep-20	NWL	1	0.600	AUTUMN	32166	3RS ET	P
14-Sep-20	NWL	2	20.910	AUTUMN	32166	3RS ET	P
14-Sep-20	NWL	3	29.290	AUTUMN	32166	3RS ET	P
14-Sep-20	NWL	4	12.600	AUTUMN	32166	3RS ET	P
14-Sep-20	NWL	2	4.100	AUTUMN	32166	3RS ET	S
14-Sep-20	NWL	3	5.700	AUTUMN	32166	3RS ET	S
14-Sep-20	NWL	4	1.900	AUTUMN	32166	3RS ET	S
15-Sep-20	AW	2	3.010	AUTUMN	32166	3RS ET	P
15-Sep-20	AW	3	1.940	AUTUMN	32166	3RS ET	P
15-Sep-20	WL	2	9.663	AUTUMN	32166	3RS ET	P
15-Sep-20	WL	3	9.010	AUTUMN	32166	3RS ET	P
15-Sep-20	WL	4	0.900	AUTUMN	32166	3RS ET	P
15-Sep-20	WL	2	5.657	AUTUMN	32166	3RS ET	S
15-Sep-20	WL	3	5.440	AUTUMN	32166	3RS ET	S
17-Sep-20	NEL	2	7.670	AUTUMN	32166	3RS ET	P
17-Sep-20	NEL	3	19.980	AUTUMN	32166	3RS ET	P
17-Sep-20	NEL	4	9.600	AUTUMN	32166	3RS ET	P
17-Sep-20	NEL	2	2.050	AUTUMN	32166	3RS ET	S
17-Sep-20	NEL	3	5.500	AUTUMN	32166	3RS ET	S
17-Sep-20	NEL	4	3.100	AUTUMN	32166	3RS ET	S
22-Sep-20	NEL	2	4.100	AUTUMN	32166	3RS ET	P
22-Sep-20	NEL	3	28.500	AUTUMN	32166	3RS ET	P
22-Sep-20	NEL	4	5.000	AUTUMN	32166	3RS ET	P
22-Sep-20	NEL	2	2.800	AUTUMN	32166	3RS ET	S
22-Sep-20	NEL	3	6.900	AUTUMN	32166	3RS ET	S
22-Sep-20	NEL	4	0.300	AUTUMN	32166	3RS ET	S
12-Oct-20	NEL	2	25.180	AUTUMN	32166	3RS ET	P
12-Oct-20	NEL	3	11.540	AUTUMN	32166	3RS ET	P
12-Oct-20	NEL	2	7.680	AUTUMN	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
12-Oct-20	NEL	3	3.000	AUTUMN	32166	3RS ET	S
14-Oct-20	NEL	2	1.400	AUTUMN	32166	3RS ET	P
14-Oct-20	NEL	3	8.600	AUTUMN	32166	3RS ET	P
14-Oct-20	NEL	4	20.650	AUTUMN	32166	3RS ET	P
14-Oct-20	NEL	5	6.550	AUTUMN	32166	3RS ET	P
14-Oct-20	NEL	3	4.100	AUTUMN	32166	3RS ET	S
14-Oct-20	NEL	4	6.000	AUTUMN	32166	3RS ET	S
16-Oct-20	NWL	2	9.200	AUTUMN	32166	3RS ET	P
16-Oct-20	NWL	3	47.000	AUTUMN	32166	3RS ET	P
16-Oct-20	NWL	4	6.800	AUTUMN	32166	3RS ET	P
16-Oct-20	NWL	2	3.100	AUTUMN	32166	3RS ET	S
16-Oct-20	NWL	3	9.200	AUTUMN	32166	3RS ET	S
19-Oct-20	AW	3	1.970	AUTUMN	32166	3RS ET	P
19-Oct-20	AW	4	3.000	AUTUMN	32166	3RS ET	P
19-Oct-20	WL	3	19.136	AUTUMN	32166	3RS ET	P
19-Oct-20	WL	4	0.760	AUTUMN	32166	3RS ET	P
19-Oct-20	WL	2	1.200	AUTUMN	32166	3RS ET	S
19-Oct-20	WL	3	9.374	AUTUMN	32166	3RS ET	S
21-Oct-20	SWL	3	21.246	AUTUMN	32166	3RS ET	P
21-Oct-20	SWL	4	14.620	AUTUMN	32166	3RS ET	P
21-Oct-20	SWL	5	16.990	AUTUMN	32166	3RS ET	P
21-Oct-20	SWL	3	4.817	AUTUMN	32166	3RS ET	S
21-Oct-20	SWL	4	10.860	AUTUMN	32166	3RS ET	S
21-Oct-20	SWL	5	1.000	AUTUMN	32166	3RS ET	S
27-Oct-20	AW	2	4.820	AUTUMN	32166	3RS ET	P
27-Oct-20	WL	2	5.659	AUTUMN	32166	3RS ET	P
27-Oct-20	WL	3	12.127	AUTUMN	32166	3RS ET	P
27-Oct-20	WL	2	2.431	AUTUMN	32166	3RS ET	S
27-Oct-20	WL	3	7.380	AUTUMN	32166	3RS ET	S
28-Oct-20	SWL	2	0.500	AUTUMN	32166	3RS ET	P
28-Oct-20	SWL	3	49.653	AUTUMN	32166	3RS ET	P
28-Oct-20	SWL	4	3.790	AUTUMN	32166	3RS ET	P
28-Oct-20	SWL	2	0.800	AUTUMN	32166	3RS ET	S
28-Oct-20	SWL	3	13.537	AUTUMN	32166	3RS ET	S
28-Oct-20	SWL	4	2.220	AUTUMN	32166	3RS ET	S
29-Oct-20	NWL	2	17.120	AUTUMN	32166	3RS ET	P
29-Oct-20	NWL	3	46.080	AUTUMN	32166	3RS ET	P
29-Oct-20	NWL	2	1.200	AUTUMN	32166	3RS ET	S
29-Oct-20	NWL	3	10.600	AUTUMN	32166	3RS ET	S
5-Nov-20	NWL	2	6.540	AUTUMN	32166	3RS ET	P
5-Nov-20	NWL	3	53.550	AUTUMN	32166	3RS ET	P
5-Nov-20	NWL	4	3.300	AUTUMN	32166	3RS ET	P
5-Nov-20	NWL	2	3.910	AUTUMN	32166	3RS ET	S
5-Nov-20	NWL	3	7.300	AUTUMN	32166	3RS ET	S
6-Nov-20	AW	2	4.960	AUTUMN	32166	3RS ET	P
6-Nov-20	WL	2	9.750	AUTUMN	32166	3RS ET	P
6-Nov-20	WL	3	7.819	AUTUMN	32166	3RS ET	P
6-Nov-20	WL	2	3.905	AUTUMN	32166	3RS ET	S
6-Nov-20	WL	3	3.314	AUTUMN	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
9-Nov-20	NEL	2	34.800	AUTUMN	32166	3RS ET	P
9-Nov-20	NEL	3	1.900	AUTUMN	32166	3RS ET	P
9-Nov-20	NEL	2	9.700	AUTUMN	32166	3RS ET	S
9-Nov-20	NEL	3	0.900	AUTUMN	32166	3RS ET	S
10-Nov-20	NEL	2	36.140	AUTUMN	32166	3RS ET	P
10-Nov-20	NEL	2	11.160	AUTUMN	32166	3RS ET	S
16-Nov-20	AW	2	2.550	AUTUMN	32166	3RS ET	P
16-Nov-20	AW	3	1.170	AUTUMN	32166	3RS ET	P
16-Nov-20	WL	2	5.427	AUTUMN	32166	3RS ET	P
16-Nov-20	WL	3	13.386	AUTUMN	32166	3RS ET	P
16-Nov-20	WL	2	3.583	AUTUMN	32166	3RS ET	S
16-Nov-20	WL	3	5.244	AUTUMN	32166	3RS ET	S
17-Nov-20	NWL	2	2.430	AUTUMN	32166	3RS ET	P
17-Nov-20	NWL	3	45.790	AUTUMN	32166	3RS ET	P
17-Nov-20	NWL	4	12.370	AUTUMN	32166	3RS ET	P
17-Nov-20	NWL	5	2.900	AUTUMN	32166	3RS ET	P
17-Nov-20	NWL	3	8.480	AUTUMN	32166	3RS ET	S
17-Nov-20	NWL	4	3.130	AUTUMN	32166	3RS ET	S
18-Nov-20	SWL	2	19.300	AUTUMN	32166	3RS ET	P
18-Nov-20	SWL	3	35.530	AUTUMN	32166	3RS ET	P
18-Nov-20	SWL	2	6.800	AUTUMN	32166	3RS ET	S
18-Nov-20	SWL	3	9.070	AUTUMN	32166	3RS ET	S
19-Nov-20	SWL	1	1.480	AUTUMN	32166	3RS ET	P
19-Nov-20	SWL	2	52.830	AUTUMN	32166	3RS ET	P
19-Nov-20	SWL	2	15.390	AUTUMN	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
4-Sep-20	1	1111	FP	3	SWL	2	93	ON	3RS ET	22.1500	113.9273	AUTUMN	NONE	P
4-Sep-20	2	1129	FP	6	SWL	2	328	ON	3RS ET	22.1869	113.9273	AUTUMN	NONE	P
4-Sep-20	3	1225	FP	1	SWL	2	47	ON	3RS ET	22.1547	113.9040	AUTUMN	NONE	S
4-Sep-20	4	1330	FP	7	SWL	3	15	ON	3RS ET	22.1493	113.8977	AUTUMN	NONE	P
9-Sep-20	1	1030	CWD	2	WL	2	189	ON	3RS ET	22.2632	113.8568	AUTUMN	NONE	S
9-Sep-20	2	1213	CWD	8	WL	3	323	ON	3RS ET	22.1965	113.8398	AUTUMN	NONE	P
15-Sep-20	1	1053	CWD	2	WL	2	85	ON	3RS ET	22.2689	113.8508	AUTUMN	NONE	P
15-Sep-20	2	1158	CWD	2	WL	3	20	ON	3RS ET	22.2320	113.8378	AUTUMN	NONE	P
15-Sep-20	3	1242	CWD	5	WL	3	225	ON	3RS ET	22.2058	113.8398	AUTUMN	NONE	S
19-Oct-20	1	1103	CWD	3	WL	3	22	ON	3RS ET	22.2419	113.8371	AUTUMN	NONE	P
19-Oct-20	2	1133	CWD	1	WL	3	10	ON	3RS ET	22.2239	113.8328	AUTUMN	NONE	P
19-Oct-20	3	1148	CWD	1	WL	3	226	ON	3RS ET	22.2181	113.8197	AUTUMN	NONE	S
21-Oct-20	1	1116	FP	1	SWL	3	404	ON	3RS ET	22.1478	113.9271	AUTUMN	NONE	P
21-Oct-20	2	1447	CWD	1	SWL	4	270	ON	3RS ET	22.1945	113.8687	AUTUMN	NONE	P
21-Oct-20	3	1527	CWD	6	SWL	3	60	ON	3RS ET	22.1836	113.8492	AUTUMN	NONE	P
21-Oct-20	4	1547	CWD	15	SWL	3	1340	ON	3RS ET	22.1944	113.8498	AUTUMN	NONE	P
27-Oct-20	1	1123	CWD	6	WL	3	104	ON	3RS ET	22.2318	113.8268	AUTUMN	NONE	P
27-Oct-20	2	1138	CWD	4	WL	3	378	ON	3RS ET	22.2320	113.8336	AUTUMN	NONE	P
27-Oct-20	3	1149	CWD	3	WL	3	92	ON	3RS ET	22.2329	113.8360	AUTUMN	NONE	P
27-Oct-20	4	1213	CWD	3	WL	3	337	ON	3RS ET	22.2142	113.8288	AUTUMN	NONE	P
27-Oct-20	5	1228	CWD	3	WL	3	387	ON	3RS ET	22.2138	113.8289	AUTUMN	NONE	P
27-Oct-20	6	1232	CWD	8	WL	3	624	ON	3RS ET	22.2138	113.8336	AUTUMN	NONE	P
27-Oct-20	7	1302	CWD	7	WL	3	147	ON	3RS ET	22.2058	113.8261	AUTUMN	NONE	P
27-Oct-20	8	1320	CWD	1	WL	3	838	ON	3RS ET	22.2027	113.8233	AUTUMN	NONE	S
27-Oct-20	9	1341	CWD	3	WL	2	693	ON	3RS ET	22.1880	113.8454	AUTUMN	NONE	S
28-Oct-20	1	1306	FP	2	SWL	3	35	ON	3RS ET	22.1577	113.8977	AUTUMN	NONE	P
5-Nov-20	1	1044	CWD	1	NWL	3	112	ON	3RS ET	22.2740	113.8757	AUTUMN	NONE	S
6-Nov-20	1	1018	CWD	5	WL	2	821	ON	3RS ET	22.2759	113.8504	AUTUMN	NONE	S
6-Nov-20	2	1341	CWD	3	WL	3	206	ON	3RS ET	22.2506	113.8463	AUTUMN	NONE	P
6-Nov-20	3	1400	CWD	4	WL	2	236	ON	3RS ET	22.2414	113.8416	AUTUMN	NONE	P
6-Nov-20	4	1429	CWD	4	WL	3	246	ON	3RS ET	22.2321	113.8358	AUTUMN	NONE	P
6-Nov-20	5	1443	CWD	5	WL	2	216	ON	3RS ET	22.2236	113.8373	AUTUMN	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
6-Nov-20	6	1513	CWD	4	WL	2	500	ON	3RS ET	22.2042	113.8219	AUTUMN	NONE	S
16-Nov-20	1	0940	CWD	2	AW	2	475	ON	3RS ET	22.2971	113.8842	AUTUMN	GILLNETTER	P
16-Nov-20	2	1040	CWD	1	WL	3	800	ON	3RS ET	22.2740	113.8482	AUTUMN	NONE	S
16-Nov-20	3	1059	CWD	4	WL	3	14	ON	3RS ET	22.2607	113.8480	AUTUMN	NONE	P
16-Nov-20	4	1210	CWD	3	WL	3	232	ON	3RS ET	22.2139	113.8226	AUTUMN	NONE	P
16-Nov-20	5	1249	CWD	1	WL	2	285	ON	3RS ET	22.2055	113.8336	AUTUMN	NONE	P
16-Nov-20	6	1317	CWD	3	WL	2	608	ON	3RS ET	22.1901	113.8421	AUTUMN	NONE	S
17-Nov-20	1	1034	CWD	1	NWL	4	24	ON	3RS ET	22.2723	113.8701	AUTUMN	NONE	P
19-Nov-20	1	1202	FP	2	SWL	2	62	ON	3RS ET	22.1621	113.9184	AUTUMN	NONE	P
19-Nov-20	2	1514	CWD	4	SWL	2	71	ON	3RS ET	22.1883	113.8491	AUTUMN	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 424.108 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 14 on-effort sightings and total number of 44 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in November 2020 are shown as below:

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

$$STG = \frac{14}{424.108}\ x\ 100 = 3.30$$

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

$$ANI = \frac{44}{424.108}\ x\ 100 = 10.37$$

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

A total of 1207.628 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 33 on-effort sightings and total number of 127 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)

$$STG = \frac{33}{1207.628}\ x\ 100 = 2.73$$

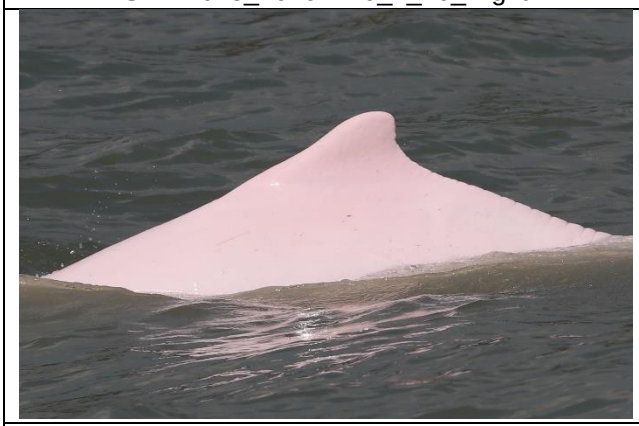
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{127}{1207.628}\ x\ 100 = 10.52$$

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

SLMM064_20201106_1_2	WLMM107_20201106_1_9
WLMM135_20201106_1_2	WLMM149_20201106_1_8_Lower
SLMM003_20201106_3_8	WLMM079_20201106_3_8
WLMM114_20201106_3_5	WLMM147_20201106_3_2_Top

WLMM007_20201106_5_1	WLMM150_20201106_5_4
WLMM160_20201106_5_3	WLMM163_20201106_5_7
SLMM010_20201106_6_3	WLMM007_20201106_6_3
WLMM080_20201116_1_3	SLMM023_20201116_3_15

SLMM052_20201116_3_9	WLMM079_20201116_3_5
WLMM147_20201116_3_2	SLMM007_20201116_4_7_Left
SLMM073_20201116_4_10_Right	WLMM073_20201116_5_2
	
SLMM037_20201116_6_5	WLMM114_20201116_6_5

SLMM010_20201117_1_1	SLMM010_20201119_2_4
SLMM012_20201119_2_7	SLMM037_20201119_2_5
SLMM049_20201119_2_5	

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
4/Nov/20	Sha Chau	10:55	16:55	6:00	2-3	3	0	0
16/Nov/20	Lung Kwu Chau	8:57	14:57	6:00	2-3	3	2	2-3

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