Appendix D. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

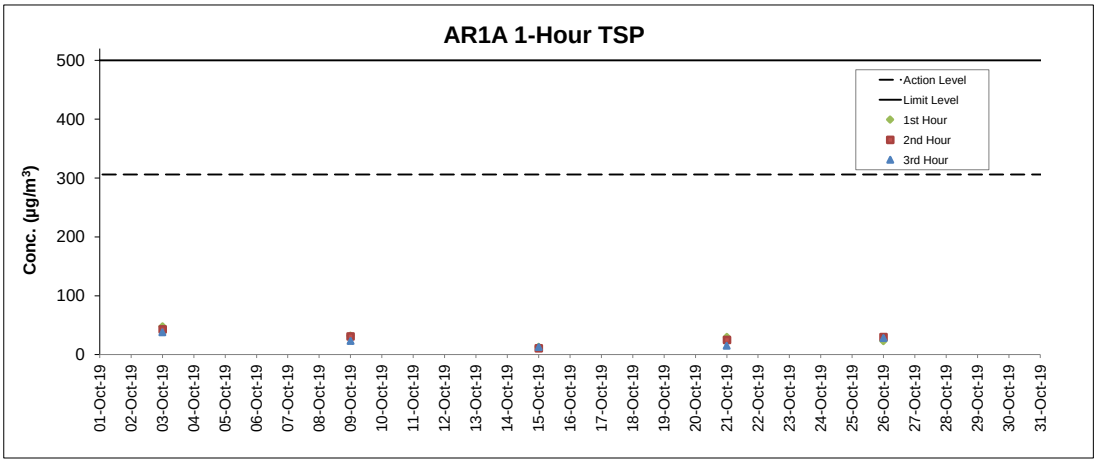
Station: AR1A- Man Tung Road Park

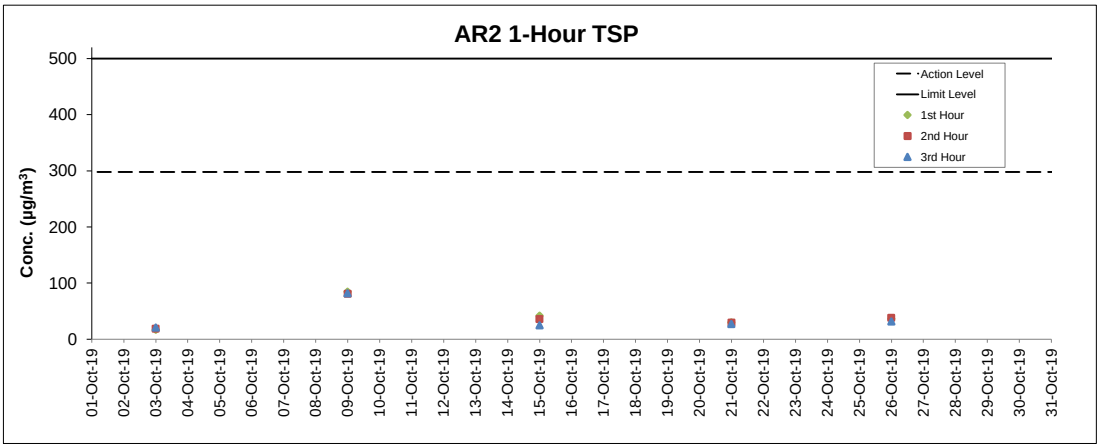
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
03-Oct-19	9:10	Sunny	4.4	229	48	306	500
03-Oct-19	10:10	Sunny	4.1	268	43	306	500
03-Oct-19	11:10	Sunny	4.1	269	38	306	500
09-Oct-19	13:30	Cloudy	6.4	125	32	306	500
09-Oct-19	14:30	Cloudy	6.2	115	31	306	500
09-Oct-19	15:30	Cloudy	6.7	112	23	306	500
15-Oct-19	13:18	Sunny	5.9	114	13	306	500
15-Oct-19	14:18	Sunny	6.0	105	11	306	500
15-Oct-19	15:18	Sunny	4.5	72	13	306	500
21-Oct-19	14:17	Sunny	4.8	240	30	306	500
21-Oct-19	15:17	Sunny	4.5	158	25	306	500
21-Oct-19	16:17	Sunny	5.8	152	15	306	500
26-Oct-19	13:34	Sunny	4.1	Variable	23	306	500
26-Oct-19	14:34	Sunny	4.4	112	30	306	500
26-Oct-19	15:34	Sunny	4.2	102	28	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-Oct-19	13:10	Cloudy	4.2	262	17	298	500
03-Oct-19	14:10	Cloudy	4.7	256	19	298	500
03-Oct-19	15:10	Cloudy	4.7	254	21	298	500
09-Oct-19	9:28	Cloudy	6.4	78	85	298	500
09-Oct-19	10:28	Cloudy	5.4	85	81	298	500
09-Oct-19	11:28	Cloudy	6.0	98	82	298	500
15-Oct-19	9:33	Sunny	6.4	60	42	298	500
15-Oct-19	10:33	Sunny	5.6	47	36	298	500
15-Oct-19	11:33	Sunny	4.8	58	25	298	500
21-Oct-19	9:15	Sunny	3.8	61	30	298	500
21-Oct-19	10:15	Sunny	3.4	56	30	298	500
21-Oct-19	11:15	Sunny	2.0	334	27	298	500
26-Oct-19	9:59	Sunny	5.6	93	36	298	500
26-Oct-19	10:59	Sunny	5.6	87	38	298	500
26-Oct-19	11:59	Sunny	5.6	103	32	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-Oct-19	Sunny	9:22	72.9	53.5	72
03-Oct-19	Sunny	9:27	72.7	54.0	
03-Oct-19	Sunny	9:32	73.5	53.1	
03-Oct-19	Sunny	9:37	71.9	53.4	
03-Oct-19	Sunny	9:42	72.2	55.3	
03-Oct-19	Sunny	9:47	73.8	54.1	
09-Oct-19	Cloudy	13:52	73.3	54.3	72
09-Oct-19	Cloudy	13:57	72.7	52.8	
09-Oct-19	Cloudy	14:02	72.1	52.9	
09-Oct-19	Cloudy	14:07	73.6	54.6	
09-Oct-19	Cloudy	14:12	74.4	55.4	
09-Oct-19	Cloudy	14:17	73.1	55.1	
15-Oct-19	Sunny	13:58	73.0	55.9	73
15-Oct-19	Sunny	14:03	74.3	57.1	
15-Oct-19	Sunny	14:08	73.5	57.6	
15-Oct-19	Sunny	14:13	75.3	56.2	
15-Oct-19	Sunny	14:18	73.9	57.8	
15-Oct-19	Sunny	14:23	73.3	57.2	
21-Oct-19	Sunny	13:27	71.4	53.3	71
21-Oct-19	Sunny	13:32	72.0	53.8	
21-Oct-19	Sunny	13:37	73.4	54.6	
21-Oct-19	Sunny	13:42	73.1	53.3	
21-Oct-19	Sunny	13:47	71.8	54.3	
21-Oct-19	Sunny	13:52	72.5	53.8	

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)
03-Oct-19	Cloudy	10:55	61.6	58.1	63
03-Oct-19	Cloudy	11:00	60.7	57.8	
03-Oct-19	Cloudy	11:05	61.7	57.8	
03-Oct-19	Cloudy	11:10	60.9	58.2	
03-Oct-19	Cloudy	11:15	62.3	58.8	
03-Oct-19	Cloudy	11:20	62.9	59.3	
09-Oct-19	Cloudy	14:10	62.6	57.7	63
09-Oct-19	Cloudy	14:15	61.9	57.5	
09-Oct-19	Cloudy	14:20	61.9	58.3	
09-Oct-19	Cloudy	14:25	63.0	58.9	
09-Oct-19	Cloudy	14:30	63.2	58.4	
09-Oct-19	Cloudy	14:35	60.2	57.4	
15-Oct-19	Sunny	14:06	63.6	59.1	64
15-Oct-19	Sunny	14:11	63.7	59.1	
15-Oct-19	Sunny	14:16	64.7	60.0	
15-Oct-19	Sunny	14:21	62.2	58.5	
15-Oct-19	Sunny	14:26	61.7	58.3	
15-Oct-19	Sunny	14:31	61.8	58.2	
21-Oct-19	Sunny	13:49	64.3	59.6	66
21-Oct-19	Sunny	13:54	65.3	59.7	
21-Oct-19	Sunny	13:59	63.3	59.0	
21-Oct-19	Sunny	14:04	65.3	59.0	
21-Oct-19	Sunny	14:09	64.0	59.3	
21-Oct-19	Sunny	14:14	67.1	60.3	

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

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

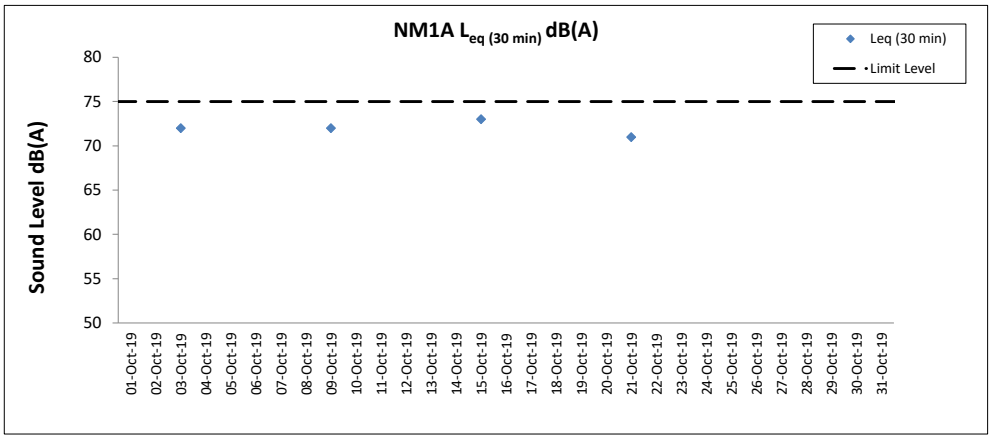
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Oct-19	Cloudy	13:19	50.0	42.7	57
03-Oct-19	Cloudy	13:24	61.0	44.6	
03-Oct-19	Cloudy	13:29	51.9	43.9	
03-Oct-19	Cloudy	13:34	51.6	43.4	
03-Oct-19	Cloudy	13:39	50.6	44.2	
03-Oct-19	Cloudy	13:44	53.1	44.7	
09-Oct-19	Cloudy	9:30	53.2	47.6	58
09-Oct-19	Cloudy	9:35	61.4	48.9	
09-Oct-19	Cloudy	9:40	52.9	47.6	
09-Oct-19	Cloudy	9:45	53.6	47.5	
09-Oct-19	Cloudy	9:50	57.7	50.2	
09-Oct-19	Cloudy	9:55	58.7	49.6	
15-Oct-19	Sunny	9:50	57.4	50.5	59
15-Oct-19	Sunny	9:55	56.7	51.5	
15-Oct-19	Sunny	10:00	63.3	51.3	
15-Oct-19	Sunny	10:05	59.4	50.1	
15-Oct-19	Sunny	10:10	57.7	50.1	
15-Oct-19	Sunny	10:15	57.0	49.2	
21-Oct-19	Sunny	10:30	56.9	46.1	57
21-Oct-19	Sunny	10:35	54.8	46.4	
21-Oct-19	Sunny	10:40	52.0	44.9	
21-Oct-19	Sunny	10:45	53.2	44.3	
21-Oct-19	Sunny	10:50	54.0	45.3	
21-Oct-19	Sunny	10:55	60.0	46.6	

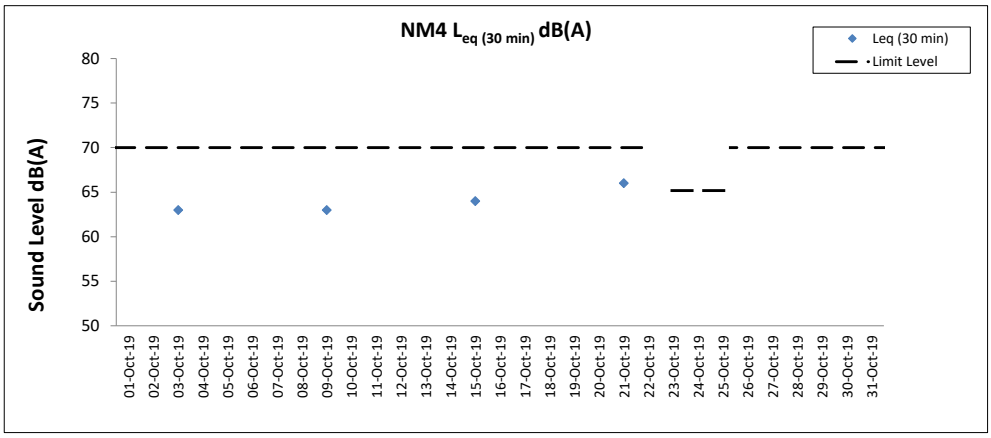
Remarks:
+3dB (A) correction was applied to free-field measurement.

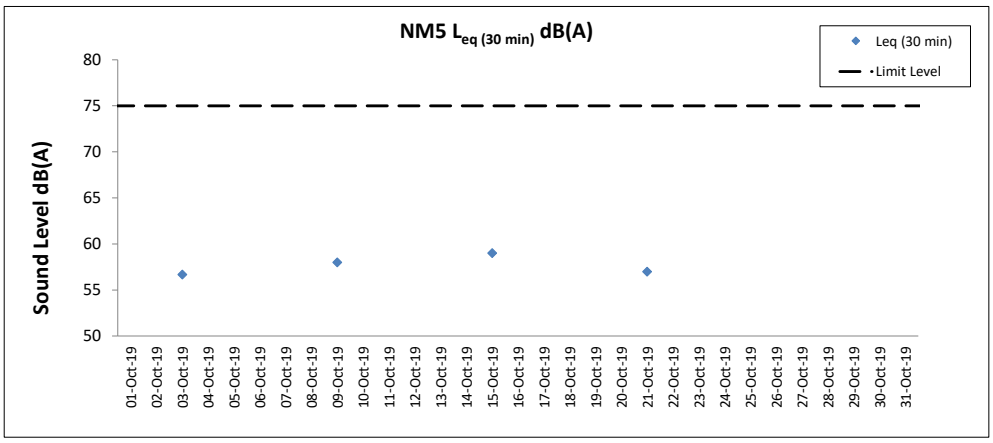
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

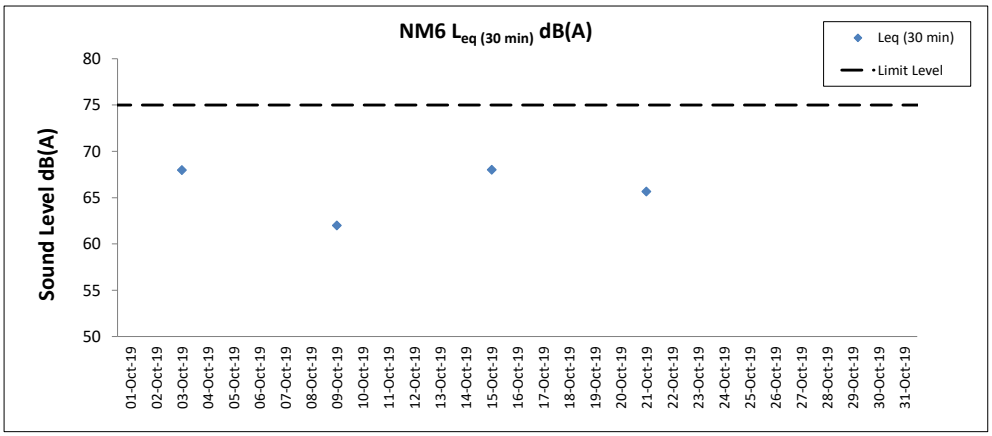
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
03-Oct-19	Cloudy	9:45	73.3	49.1	68
03-Oct-19	Cloudy	9:50	70.4	47.5	
03-Oct-19	Cloudy	9:55	75.3	47.9	
03-Oct-19	Cloudy	10:00	73.3	46.9	
03-Oct-19	Cloudy	10:05	70.9	46.8	
03-Oct-19	Cloudy	10:10	66.4	49.8	
09-Oct-19	Sunny	15:42	63.0	44.0	62
09-Oct-19	Sunny	15:47	49.3	42.8	
09-Oct-19	Sunny	15:52	63.8	52.0	
09-Oct-19	Sunny	15:57	65.7	48.4	
09-Oct-19	Sunny	16:02	60.1	47.2	
09-Oct-19	Sunny	16:07	62.2	52.3	
15-Oct-19	Sunny	15:52	67.9	49.0	68
15-Oct-19	Sunny	15:57	69.8	46.5	
15-Oct-19	Sunny	16:02	70.8	50.0	
15-Oct-19	Sunny	16:07	62.4	49.1	
15-Oct-19	Sunny	16:12	65.4	49.5	
15-Oct-19	Sunny	16:17	70.2	57.1	
21-Oct-19	Sunny	15:42	72.9	45.9	66
21-Oct-19	Sunny	15:47	70.7	45.7	
21-Oct-19	Sunny	15:52	66.5	43.5	
21-Oct-19	Sunny	15:57	70.3	43.6	
21-Oct-19	Sunny	16:02	71.0	44.9	
21-Oct-19	Sunny	16:07	64.2	45.2	

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









Notes

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

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 October 19 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	Calm	14:23	8.0	Surface	1.0	0.1	232	29.2	29.2	8.0	8.0	28.7	28.7	85.7	85.6	5.6	5.6	7.3	12.0	8	13	84	88	815623	804269	<0.2	<0.2	0.9	1.0
						1.0	0.1	243	29.2		8.0		28.7		85.5		5.6		7.4		7		85				<0.2		0.9	
					Middle	4.0	0.1	226	29.1	29.1	8.0	8.0	29.0	29.0	85.3	85.4	5.6		10.2		13		88				<0.2		0.9	
						4.0	0.1	240	29.1		8.0		29.0		85.4		5.6		10.1		12		88				<0.2		1.1	
					Bottom	7.0	0.0	209	29.1	29.1	8.0	8.0	29.3	29.3	84.9	85.3	5.5	5.6	18.7		18		90				<0.2		1.1	
						7.0	0.0	209	29.1		8.0		29.3		85.6		5.6		18.4		18		90				<0.2		1.0	
C2	Fine	Moderate	13:11	11.4	Surface	1.0	0.3	255	28.4	28.4	7.9	7.9	23.9	23.9	82.3	82.3	5.6	5.7	11.8	14.1	9	11	83	86	825677	806949	<0.2	<0.2	1.3	1.2
						1.0	0.3	226	28.4		7.9		23.9		82.3		5.6		11.8		9		82				<0.2		1.2	
					Middle	5.7	0.4	223	28.4	28.4	7.9	7.9	24.5	24.5	83.2	83.2	5.7		10.4		10		86				<0.2		1.2	
						5.7	0.4	224	28.4		7.9		24.5		83.2		5.7		10.5		10		86				<0.2		1.3	
					Bottom	10.4	0.5	245	28.2	28.2	8.0	8.0	25.2	25.2	83.7	83.7	5.7	5.7	20.7		14		91				<0.2		1.2	
						10.4	0.6	246	28.2		8.0		25.2		83.7		5.7		19.8		14		90				<0.2		1.2	
C3	Fine	Moderate	14:48	12.6	Surface	1.0	0.3	72	28.4	28.4	7.9	7.9	26.3	26.3	80.1	80.1	5.4	5.4	4.0	4.3	7	7	83	87	822124	817816	<0.2	<0.2	0.9	0.9
						1.0	0.3	74	28.4		7.9		26.3		80.1		5.4		4.0		7		83				<0.2		0.8	
					Middle	6.3	0.1	93	28.3	28.3	7.9	7.9	26.4	26.4	78.4	78.4	5.3		4.5		7		87				<0.2		0.8	
						6.3	0.1	108	28.3		7.9		26.4		78.4		5.3		4.6		6		87				<0.2		1.1	
					Bottom	11.6	0.2	109	28.3	28.3	8.0	8.0	26.5	26.5	78.2	78.3	5.3	5.3	4.4		6		90				<0.2		1.0	
						11.6	0.2	109	28.3		8.0		26.5		78.3		5.3		4.3		6		91				<0.2		0.9	
IM1	Cloudy	Moderate	13:59	5.3	Surface	1.0	0.0	125	30.1	30.0	8.0	8.0	28.0	28.0	89.4	89.4	5.8	5.8	5.1	6.2	7	9	84	86	817967	807127	<0.2	<0.2	1.4	1.4
						1.0	0.0	128	30.0		8.0		28.0		89.3		5.8		5.2		8		84				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.0	245	29.2	29.3	8.0	8.0	28.0	28.0	91.0	91.5	6.0	6.0	7.3		9		87				<0.2		1.3	
						4.3	0.0	267	29.3		8.0		28.0		92.0		6.0		7.3		10		87				<0.2		1.3	
IM2	Cloudy	Moderate	13:52	8.1	Surface	1.0	0.1	228	29.4	29.4	8.0	8.0	28.3	28.3	86.6	86.8	5.7	5.7	5.8	6.3	10	11	84	88	818178	806167	<0.2	<0.2	1.3	1.3
						1.0	0.1	230	29.4		8.0		28.3		87.0		5.7		5.9		10		84				<0.2		1.3	
					Middle	4.1	0.1	217	29.3	29.3	8.0	8.0	28.5	28.5	86.8	86.8	5.7		6.8		10		88				<0.2		1.2	
						4.1	0.1	218	29.3		8.0		28.5		86.8		5.7		6.3		11		88				<0.2		1.3	
					Bottom	7.1	0.1	224	29.2	29.2	8.0	8.0	28.7	28.7	87.8	88.0	5.7	5.8	6.4		13		91				<0.2		1.4	
						7.1	0.1	225	29.2		8.0		28.7		88.1		5.8		6.4		12		91				<0.2		1.2	
IM3	Cloudy	Moderate	13:45	8.0	Surface	1.0	0.3	226	29.7	29.7	8.0	8.0	27.9	27.9	87.8	87.8	5.7	5.7	7.0	10.8	8	10	83	88	818794	805601	<0.2	<0.2	1.3	1.3
						1.0	0.3	227	29.7		8.0		28.0		87.8		5.7		7.2		7		84				<0.2		1.3	
					Middle	4.0	0.2	249	29.2	29.2	8.0	8.0	28.8	28.8	85.5	85.5	5.6		12.0		11		88				<0.2		1.2	
						4.0	0.2	221	29.2		8.0		28.8		85.5		5.6		12.1		10		88				<0.2		1.3	
					Bottom	7.0	0.2	201	29.2	29.2	8.0	8.0	28.9	28.9	89.0	89.0	5.8	5.8	13.2		13		91				<0.2		1.3	
						7.0	0.2	199	29.2		8.0		28.9		89.0		5.8		13.2		13		92				<0.2		1.4	
IM4	Cloudy	Moderate	13:35	7.8	Surface	1.0	0.4	209	29.6	29.6	8.0	8.0	28.7	28.7	88.1	87.9	5.7	5.7	4.8	8.1	7	10	84	87	819721	804595	<0.2	<0.2	1.4	1.4
						1.0	0.4	211	29.6		8.0		28.7		87.7		5.7		5.0		8		84				<0.2		1.3	
					Middle	3.9	0.5	213	29.3	29.3	8.0	8.0	28.9	28.9	86.8	87.0	5.7		8.8		10		88				<0.2		1.4	
						3.9	0.5	203	29.3		8.0		28.9		87.2		5.7		8.9		10		88				<0.2		1.5	
					Bottom	6.8	0.4	195	29.2	29.2	8.0	8.0	29.0	29.0	88.5	88.8	5.8	5.8	10.7		13		90				<0.2		1.4	
						6.8	0.4	189	29.2		8.0		29.0		89.1		5.8		10.6		12		90				<0.2		1.5	
IM5	Cloudy	Moderate	13:25	7.7	Surface	1.0	0.4	209	29.3	29.3	8.0	8.0	28.2	28.2	85.4	85.5	5.6	5.6	14.3	18.0	7	13	83	87	820725	804855	<0.2	<0.2	1.7	1.6
						1.0	0.4	208	29.3		8.0		28.2		85.5		5.6		14.4		8		84				<0.2		1.7	
					Middle	3.9	0.4	212	29.2	29.2	8.0	8.0	28.2	28.2	84.9	84.7	5.6		18.9		10		88				<0.2		1.6	
						3.9	0.4	213	29.2		8.0		28.2		84.4		5.5		18.9		9		88				<0.2		1.6	
					Bottom	6.7	0.3	198	29.2	29.2	8.0	8.0	28.3	28.3	85.1	85.3	5.6	5.6	20.9		22		90				<0.2		1.5	
						6.7	0.3	188	29.2		8.0		28.3		85.5		5.6		20.7		23		90				<0.2		1.6	
IM6	Cloudy	Moderate	13:15	8.1	Surface	1.0	0.1	192	29.4	29.4	8.0	8.0	27.8	27.8	85.5	85.5	5.6	5.6	12.6	14.2	14	16	84	87	821048	805804	<0.2	<0.2	1.1	1.3
						1.0	0.2	198	29.5		8.0		27.8		85.5		5.6		12.6		15		84				<0.2		1.2	
					Middle	4.1	0.2	199	29.4	29.4	8.0	8.0	27.8	27.8	85.2	85.2	5.6		13.4		15		87				<0.2		1.3	
						4.1	0.2	204	29.4		8.0		27.8		85.2		5.6		13.4		15		87				<0.2		1.4	
					Bottom	7.1	0.1	199	29.3	29.3	8.0	8.0	27.8	27.8	87.7	88.0	5.8	5.8	16.7		17		90				<0.2		1.4	
						7.1	0.1	187	29.3		8.0		27.8		88.3		5.8		16.4		18		91				<0.2		1.3	
IM7	Cloudy	Moderate	13:05	8.5	Surface	1.0	0.0	186	29.7	29.6	7.9	7.9	26.3	26.3	84.7	84.8	5.6	5.6	5.2	9.0	6	10	85	88	821343	806856	<0.2	<0.2	1.5	1.5
						1.0	0.0	180	29.6		7.9		26.3		84.8		5.6		5.4		6		85				<0.2		1.4	
					Middle	4.3	0.2	196	29.3	29.3	7.9	7.9	27.5	27.4	83.7	83.8	5.5		8.1		7		87				<0.2		1.4	
						4.3	0.2	204	29.3		7.9		27.4		83.8		5.5		8.0		7		87				<0.2		1.6	
					Bottom	7.5	0.2	187	29.3	29.3	7.9	7.9	27.7	27.7	83.4	83.5	5.5	5.5	13.7		16		91				<0.2		1.6	
						7.5	0.2	188	29.3		7.9		27.7		83.5		5.5		13.7		16		92				<0.2		1.5	
IM8	Fine	Moderate	13:37	7.7	Surface	1.0	0.2	181	28.4	28.4	7.9	7.9	24.0	24.0	84.2	84.2	5.7	5.7	7.6	12.7	9	9	84	87	821811	808126	<0.2	<0.2	1.3	1.4
						1.0	0.2	184	28.4		7.9		24.0		84.2		5.7		7.6		9		83				<0.2		1.3	
					Middle	3.9	0.2	186	28.3	28.3	7.9	7.9	24.9	24.9	83.5	83.6	5.7		14.4		9		87				<0.2		1.3	
						3.9	0.2	177	28.3		7.9		24.9		83.6		5.7		14.3		10		87				<0.2		1.3	
					Bottom	6.7	0.1	160	28.2	28.2	8.0	8.0	25.2	25.2	83.0	83.0	5.6	5.6	16.2		8		90				<0.2		1.3	
						6.7	0.1	175	28.2		8.0		25.2		83.0		5.6		16.3		9		91				<0.2		1.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 October 19 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	13:43	7.8	Surface	1.0	0.2	175	28.4	28.4	7.9	7.9	23.9	23.9	82.7	82.7	5.6	5.7	6.8	9.2	7	9	83	87	822108	808815	<0.2	<0.2	1.4	1.4
						1.0	0.2	174	28.4		7.9		23.9		82.7		5.6		6.8		8		83				<0.2		1.6	
					Middle	3.9	0.2	170	28.3	28.3	7.9	7.9	24.2	24.2	83.4	83.4	5.7		6.6		9		86				<0.2		1.4	
						3.9	0.2	176	28.3		7.9		24.2		83.4		5.7		6.6		9		87				<0.2		1.4	
					Bottom	6.8	0.1	156	28.1	28.1	8.0	8.0	25.3	25.3	83.0	83.0	5.6	5.6	14.1		10		91				<0.2		1.3	
						6.8	0.1	160	28.1		8.0		25.3		83.0		5.6		14.1		10		91				<0.2		1.5	
IM10	Fine	Moderate	13:51	7.5	Surface	1.0	0.1	173	28.5	28.5	7.9	7.9	24.0	23.9	83.9	83.9	5.7	5.7	7.2	8.4	7	9	83	87	822372	809783	<0.2	<0.2	1.4	1.3
						1.0	0.1	173	28.5		7.9		23.9		83.9		5.7		7.2		8		82				<0.2		1.3	
					Middle	3.8	0.2	154	28.4	28.4	7.9	7.9	24.3	24.3	83.8	83.8	5.7		7.9		8		87				<0.2		1.3	
						3.8	0.2	151	28.4		7.9		24.3		83.8		5.7		7.9		9		88				<0.2		1.3	
					Bottom	6.5	0.2	158	28.4	28.4	7.9	7.9	24.7	24.7	83.1	83.1	5.6	5.6	10.1		11		91				<0.2		1.2	
						6.5	0.2	151	28.4		7.9		24.7		83.1		5.6		10.0		10		91				<0.2		1.5	
IM11	Fine	Moderate	14:04	7.8	Surface	1.0	0.1	158	28.5	28.5	7.9	7.9	25.1	25.1	84.0	84.0	5.7	5.7	6.7	10.1	9	9	83	87	822072	811474	<0.2	<0.2	1.0	1.0
						1.0	0.1	159	28.5		7.9		25.1		84.0		5.7		6.8		8		83				<0.2		1.0	
					Middle	3.9	0.1	151	28.3	28.3	7.9	7.9	25.2	25.2	82.1	82.1	5.6		9.1		10		87				<0.2		1.0	
						3.9	0.1	145	28.3		7.9		25.2		82.1		5.6		9.2		9		87				<0.2		1.0	
					Bottom	6.8	0.1	131	28.3	28.3	7.9	7.9	25.2	25.2	81.9	81.9	5.5	5.5	14.3		10		91				<0.2		1.1	
						6.8	0.1	132	28.3		7.9		25.2		81.9		5.5		14.6		10		91				<0.2		1.1	
IM12	Fine	Moderate	14:11	8.7	Surface	1.0	0.2	126	28.4	28.4	7.9	7.9	25.0	25.0	84.2	84.3	5.7	5.6	6.7	10.8	9	10	82	87	821446	812051	<0.2	<0.2	1.0	1.0
						1.0	0.2	126	28.4		7.9		25.0		84.3		5.7		6.8		9		83				<0.2		1.0	
					Middle	4.4	0.2	135	28.3	28.3	7.9	7.9	25.0	25.0	81.8	81.8	5.5		11.9		9		86				<0.2		1.0	
						4.4	0.2	118	28.3		7.9		25.0		81.8		5.6		12.0		9		87				<0.2		1.1	
					Bottom	7.7	0.2	142	28.3	28.3	7.9	7.9	25.1	25.1	81.5	81.5	5.5	5.5	13.9		11		90				<0.2		1.0	
						7.7	0.2	128	28.3		7.9		25.1		81.5		5.5		13.7		10		91				<0.2		1.1	
SR1A	Fine	Moderate	14:14	5.4	Surface	1.0	-	-	28.4	28.4	7.9	7.9	25.0	25.0	83.9	83.9	5.7	5.7	7.1	10.1	8	9	-	-	819978	812663	-	-	-	-
						1.0	-	-	28.4		7.9		25.0		83.9		5.7		7.0		8		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	28.2	28.2	7.9	7.9	25.1	25.1	81.3	81.3	5.5	5.5	13.1		10		-				-		-	
						4.4	-	-	28.2		7.9		25.1		81.3		5.5		13.0		8		-				-		-	
SR2	Fine	Moderate	14:28	5.2	Surface	1.0	0.2	13	28.5	28.5	8.0	8.0	25.1	25.1	84.7	84.7	5.7	5.7	5.2	5.2	6	7	83	85	821473	814149	<0.2	<0.2	1.0	1.1
						1.0	0.2	13	28.5		8.0		25.1		84.7		5.7		5.2		6		83				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	62	28.4	28.4	8.0	8.0	25.3	25.3	84.4	84.5	5.7	5.7	5.3		9		86				<0.2		1.1	
						4.2	0.1	65	28.4		8.0		25.3		84.5		5.7		5.3		8		86				<0.2		1.1	
SR3	Fine	Moderate	13:31	8.8	Surface	1.0	0.3	194	28.5	28.5	7.9	7.9	23.7	23.7	83.4	83.4	5.7	5.7	6.7	8.5	9	10	-	-	822129	807589	-	-	-	-
						1.0	0.3	197	28.5		7.9		23.7		83.4		5.7		6.7		9		-				-		-	
					Middle	4.4	0.4	171	28.4	28.4	7.9	7.9	24.3	24.3	84.2	84.2	5.7		7.9		10		-				-		-	
						4.4	0.4	173	28.4		7.9		24.3		84.1		5.7		8.0		10		-				-		-	
					Bottom	7.8	0.5	166	28.4	28.4	8.0	8.0	24.7	24.7	84.2	84.2	5.7	5.7	10.8		11		-				-		-	
						7.8	0.5	172	28.4		8.0		24.7		84.2		5.7		10.7		12		-				-		-	
SR4A	Cloudy	Calm	14:51	8.4	Surface	1.0	0.4	73	29.5	29.5	7.9	7.9	28.0	28.0	87.6	87.5	5.7	5.7	6.2	9.7	10	12	-	-	817187	807815	-	-	-	-
						1.0	0.4	80	29.5		7.9		28.0		87.4		5.7		6.2		10		-				-		-	
					Middle	4.2	0.3	70	29.3	29.3	7.9	7.9	28.2	28.2	86.2	86.2	5.6		8.9		12		-				-		-	
						4.2	0.3	76	29.3		7.9		28.2		86.1		5.6		9.0		12		-				-		-	
					Bottom	7.4	0.3	47	29.3	29.3	7.9	7.9	28.3	28.2	86.9	86.9	5.7	5.7	14.0		14		-				-		-	
						7.4	0.3	50	29.3		7.9		28.2		86.9		5.7		14.0		13		-				-		-	
SR5A	Cloudy	Calm	15:17	5.1	Surface	1.0	0.1	41	30.0	30.0	7.8	7.8	27.9	27.9	87.6	87.5	5.7	5.7	4.8	6.4	7	11	-	-	816607	810692	-	-	-	-
						1.0	0.1	44	30.0		7.8		27.9		87.4		5.7		4.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	37	29.3	29.3	7.8	7.8	27.9	27.9	89.1	89.6	5.8	5.9	8.4		13		-				-		-	
						4.1	0.2	39	29.3		7.8		27.9		90.1		5.9		7.5		14		-				-		-	
SR6A	Cloudy	Calm	15:42	4.7	Surface	1.0	0.0	28	30.1	30.1	7.8	7.8	27.6	27.6	91.9	91.9	6.0	6.0	1.6	2.2	5	5	-	-	817975	814739	-	-	-	-
						1.0	0.0	29	30.1		7.8		27.6		91.8		6.0		1.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	32	29.8	29.8	7.8	7.8	27.7	27.7	94.2	94.9	6.1	6.2	2.8		6		-				-		-	
						3.7	0.1	33	29.8		7.8		27.7		95.5		6.2		2.8		6		-				-		-	
SR7	Fine	Moderate	15:17	14.7	Surface	1.0	0.6	71	28.2	28.2	7.9	7.9	26.6	26.6	77.4	77.4	5.2	5.2	6.2	6.7	8	11	-	-	823645	823738	-	-	-	-
						1.0	0.7	71	28.2		7.9		26.6		77.4		5.2		6.1		9		-				-		-	
					Middle	7.4	0.1	65	28.1	28.1	7.9	7.9	26.7	26.7	76.3	76.3	5.1		6.8		10		-				-		-	
						7.4	0.1	65	28.1		7.9		26.7		76.3		5.1		6.8		11		-				-		-	
					Bottom	13.7	0.1	34	28.1	28.1	8.0	8.0	26.8	26.8	76.6	76.7	5.2	5.2	7.2		12		-				-		-	
						13.7	0.1	35	28.1		8.0		26.8		76.7		5.2		7.3		13		-				-		-	
SR8	Fine	Moderate	14:12	4.8	Surface	1.0	-	-	28.4	28.4	7.9	7.9	25.0	25.0	83.8	83.8	5.7	5.7	6.7	9.5	8	9	-	-	820382	811599	-	-	-	-
						1.0	-	-	28.4		7.9		25.0		83.8		5.7		6.7		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.2	28.2	7.9	7.9	25.1	25.1	81.8	81.8	5.6	5.6	12.4		9		-				-		-	
						3.8	-	-	28.2		7.9		25.1		81.8		5.6		12.3		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 01 October 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	08:34	8.1	Surface	1.0	0.4	19	29.3	29.3	7.8	7.8	28.3	28.3	85.2	85.2	5.6	5.6	9.8	11.7	13	13	85	88	815631	804266	<0.2	<0.2	1.1	1.0
						1.0	0.4	20	29.3		7.8		28.3		85.2		5.6		9.9		13		86				<0.2		1.0	
					Middle	4.1	0.4	14	29.1	29.1	7.9	7.9	28.9	28.9	84.3	84.5	5.5		11.1		13		88				<0.2		1.0	
						4.1	0.4	14	29.1		7.9		28.9		84.6		5.5		11.4		14		88				<0.2		1.0	
					Bottom	7.1	0.3	16	29.1	29.1	7.9	7.9	28.9	28.9	84.8	84.9	5.6	5.6	13.9		10		90				<0.2		1.0	
						7.1	0.3	16	29.1		7.9		28.9		84.9		5.6		14.1		12		91				<0.2		1.1	
C2	Fine	Moderate	07:50	11.2	Surface	1.0	0.3	354	28.4	28.4	7.9	7.9	23.9	23.9	82.3	82.3	5.6	5.6	12.3	12.4	15	15	86	90	825679	806965	<0.2	<0.2	1.5	1.5
						1.0	0.3	326	28.4		7.9		23.9		82.3		5.6		12.2		14		86				<0.2		1.3	
					Middle	5.6	0.3	13	28.4	28.4	7.9	7.9	24.1	24.1	82.7	82.7	5.6		10.7		15		90				<0.2		1.6	
						5.6	0.4	13	28.4		7.9		24.1		82.7		5.6		10.6		15		90				<0.2		1.4	
					Bottom	10.2	0.6	44	28.2	28.2	8.0	8.0	25.3	25.3	83.7	83.7	5.7	5.7	14.6		17		94				<0.2		1.5	
						10.2	0.6	47	28.2		8.0		25.3		83.7		5.7		14.3		16		93				<0.2		1.5	
C3	Fine	Moderate	08:55	10.6	Surface	1.0	0.6	259	28.3	28.3	7.9	7.9	25.6	25.6	81.0	81.0	5.5	5.4	5.0	8.7	8	8	85	89	822093	817781	<0.2	<0.2	1.4	1.4
						1.0	0.6	262	28.3		7.9		25.6		81.0		5.5		5.0		7		85				<0.2		1.4	
					Middle	5.3	0.6	262	28.2	28.2	7.9	7.9	25.8	25.8	78.6	78.6	5.3		7.6		7		89				<0.2		1.2	
						5.3	0.7	282	28.2		7.9		25.8		78.6		5.3		7.6		8		89				<0.2		1.4	
					Bottom	9.6	0.5	270	28.2	28.2	7.9	7.9	25.9	25.9	78.6	78.6	5.3	5.3	13.6		9		92				<0.2		1.5	
						9.6	0.6	282	28.2		7.9		25.9		78.6		5.3		13.2		9		92				<0.2		1.5	
IM1	Cloudy	Moderate	08:53	5.6	Surface	1.0	0.2	296	29.4	29.4	7.8	7.8	27.9	27.9	88.3	88.3	5.8	5.8	5.8	5.9	6	8	84	86	817955	807123	<0.2	<0.2	1.5	1.3
						1.0	0.2	324	29.4		7.8		27.9		88.5		5.8		6.0		7		84				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	332	29.4	29.4	7.8	7.8	27.9	27.9	90.4	90.9	5.9	6.0	6.0		9		87				<0.2		1.2	
						4.6	0.1	356	29.4		7.8		27.9		91.4		6.0		5.7		9		87				<0.2		1.3	
IM2	Cloudy	Moderate	09:00	7.9	Surface	1.0	0.3	10	29.4	29.4	7.8	7.8	28.0	28.0	86.6	86.6	5.7	5.7	9.0	13.2	13	16	85	88	818163	806149	<0.2	<0.2	1.4	1.7
						1.0	0.3	10	29.4		7.8		28.0		86.6		5.7		9.3		12		85				<0.2		1.6	
					Middle	4.0	0.2	4	29.2	29.2	7.8	7.8	28.1	28.1	85.0	85.0	5.6		14.9		13		87				<0.2		1.9	
						4.0	0.2	4	29.2		7.8		28.1		85.0		5.6		14.9		14		88				<0.2		1.6	
					Bottom	6.9	0.2	12	29.2	29.2	7.8	7.8	28.1	28.1	87.4	87.6	5.7	5.8	15.8		23		90				<0.2		1.7	
						6.9	0.2	12	29.2		7.8		28.1		87.7		5.8		15.5		22		90				<0.2		1.9	
IM3	Cloudy	Moderate	09:07	8.1	Surface	1.0	0.3	353	29.5	29.5	7.9	7.9	28.2	28.2	86.5	86.5	5.6	5.6	9.0	11.5	18	18	84	88	818787	805576	<0.2	<0.2	1.2	1.5
						1.0	0.4	354	29.5		7.9		28.2		86.5		5.7		9.3		17		85				<0.2		1.6	
					Middle	4.1	0.4	351	29.2	29.2	7.8	7.8	28.3	28.3	85.1	85.0	5.6		13.9		19		88				<0.2		1.5	
						4.1	0.4	323	29.2		7.8		28.3		84.9		5.6		13.9		19		88				<0.2		1.6	
					Bottom	7.1	0.4	346	29.2	29.2	7.8	7.8	28.3	28.3	86.7	86.7	5.7	5.7	11.1		18		91				<0.2		1.4	
						7.1	0.4	318	29.2		7.8		28.3		86.6		5.7		11.5		19		92				<0.2		1.5	
IM4	Cloudy	Moderate	09:18	7.6	Surface	1.0	0.6	19	29.3	29.3	7.9	7.9	28.3	28.3	85.5	85.5	5.6	5.6	10.1	14.5	20	23	84	88	819743	804598	<0.2	<0.2	1.7	2.2
						1.0	0.7	19	29.3		7.9		28.3		85.5		5.6		10.3		20		84				<0.2		1.8	
					Middle	3.8	0.6	14	29.3	29.3	7.9	7.9	28.3	28.3	85.3	85.3	5.6		14.4		21		87				<0.2		2.3	
						3.8	0.6	15	29.3		7.9		28.3		85.3		5.6		14.9		21		88				<0.2		2.5	
					Bottom	6.6	0.4	14	29.2	29.2	7.9	7.9	28.4	28.4	86.9	87.0	5.7	5.7	18.9		26		92				<0.2		2.5	
						6.6	0.5	14	29.2		7.9		28.4		87.1		5.7		18.5		27		91				<0.2		2.1	
IM5	Cloudy	Moderate	09:24	7.1	Surface	1.0	0.7	3	29.3	29.3	7.9	7.9	28.1	28.1	85.1	85.1	5.6	5.6	7.4	11.3	14	16	83	88	820729	804850	<0.2	<0.2	2.1	1.7
						1.0	0.7	3	29.3		7.9		28.1		85.1		5.6		7.6		13		84				<0.2		1.6	
					Middle	3.6	0.6	358	29.2	29.2	7.9	7.9	28.1	28.1	85.0	85.1	5.6		14.3		17		88				<0.2		1.6	
						3.6	0.6	329	29.2		7.9		28.1		85.1		5.6		14.1		16		88				<0.2		1.6	
					Bottom	6.1	0.5	358	29.2	29.2	7.9	7.9	28.2	28.2	86.1	86.3	5.7	5.7	12.1		17		91				<0.2		1.7	
						6.1	0.6	329	29.2		7.9		28.2		86.5		5.7		12.5		16		91				<0.2		1.6	
IM6	Cloudy	Moderate	09:32	7.7	Surface	1.0	0.4	344	29.4	29.4	7.9	7.9	27.9	27.9	85.1	85.1	5.6	5.6	9.1	9.4	16	17	84	88	821073	805846	<0.2	<0.2	1.8	2.1
						1.0	0.4	349	29.4		7.9		27.9		85.2		5.6		9.0		16		84				<0.2		1.7	
					Middle	3.9	0.3	345	29.3	29.3	7.9	7.9	27.9	27.9	85.6	85.7	5.6		9.6		16		88				<0.2		2.5	
						3.9	0.4	354	29.3		7.9		27.9		85.8		5.6		9.6		17		88				<0.2		2.6	
					Bottom	6.7	0.2	338	29.3	29.3	7.9	7.9	27.9	27.9	88.9	88.9	5.8	5.8	9.7		20		91				<0.2		2.0	
						6.7	0.3	357	29.3		7.9		27.9		88.9		5.8		9.6		19		91				<0.2		1.9	
IM7	Cloudy	Moderate	09:41	8.3	Surface	1.0	0.0	274	29.8	29.8	7.9	7.9	26.0	26.0	86.5	86.5	5.7	5.7	4.0	6.2	6	9	85	88	821343	806839	<0.2	<0.2	1.9	2.0
						1.0	0.0	300	29.8		7.9		26.0		86.4		5.7		4.0		5		85				<0.2		2.0	
					Middle	4.2	0.2	95	29.3	29.3	7.9	7.9	27.5	27.5	85.1	85.3	5.6		7.5		9		88				<0.2		2.0	
						4.2	0.2	102	29.3		7.9		27.4		85.5		5.6		7.5		9		88				<0.2		2.0	
					Bottom	7.3	0.1	107	29.3	29.3	7.9	7.9	27.6	27.6	89.0	89.1	5.9	5.9	7.0		12		91				<0.2		2.0	
						7.3	0.1	109	29.3		7.9		27.6		89.2		5.9		6.9		13		91				<0.2		1.8	
IM8	Fine	Moderate	10:21	7.9	Surface	1.0	0.2	55	28.5	28.5	7.9	7.9	23.2	23.2	83.3	83.3	5.7	5.7	5.2	9.8	6	8	85	90	821806	808156	<0.2	<0.2	2.0	1.9
						1.0	0.2	57	28.5		7.9		23.2		83.3		5.7		5.1		6		86				<0.2		1.9	
					Middle	4.0	0.3	98	28.3	28.3	7.9	7.9	24.2	24.2	83.3	83.3	5.7		7.7		7		90				<0.2		1.7	
						4.0	0.3	100	28.3		7.9		24.2		83.3		5.7		7.6		7		89				<0.2		1.8	
					Bottom	6.9	0.2	98	28.1	28.1	7.9	7.9	25.3	25.3	83.6	83.7	5.7	5.7	16.7		10		93				<0.2		2.0	
						6.9	0.2	98	28.1		7.9		25.3		83.7		5.7		16.7		9		94				<0.2		1.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 October 19 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	10:12	7.6	Surface	1.0	0.3	54	28.5	28.5	7.9	7.9	23.2	23.2	83.9	83.9	5.7	5.7	5.3	8.0	9	10	86	90	822116	808820	<0.2	<0.2	2.0	2.0
						1.0	0.3	58	28.5		7.9		23.2		83.9		5.7		5.3		9		85				<0.2		1.9	
					Middle	3.8	0.2	45	28.3	28.3	7.9	7.9	23.6	23.6	82.2	82.3	5.6		7.6		11		90				<0.2		2.1	
						3.8	0.2	45	28.3		7.9		23.6		82.3		5.6		7.6		10		89				<0.2		1.9	
					Bottom	6.6	0.2	337	28.2	28.2	7.9	7.9	24.6	24.6	83.9	84.0	5.7	5.7	11.2		11		93				<0.2		1.9	
						6.6	0.2	350	28.2		7.9		24.6		84.0		5.7		11.1		11		94				<0.2		2.0	
IM10	Fine	Moderate	10:03	8.2	Surface	1.0	0.3	313	28.3	28.3	7.9	7.9	24.9	24.9	83.3	83.3	5.7	5.7	10.3	12.5	7	8	86	90	822371	809810	<0.2	<0.2	1.9	1.8
						1.0	0.3	327	28.3		7.9		24.9		83.2		5.7		10.4		7		86				<0.2		1.9	
					Middle	4.1	0.4	318	28.3	28.3	7.9	7.9	25.0	25.0	82.2	82.2	5.6		12.9		8		90				<0.2		1.8	
						4.1	0.4	341	28.3		7.9		25.0		82.2		5.6		12.8		7		89				<0.2		1.8	
					Bottom	7.2	0.3	325	28.2	28.2	7.9	7.9	25.0	25.0	82.2	82.2	5.6	5.6	14.3		8		93				<0.2		1.6	
						7.2	0.3	338	28.2		7.9		25.0		82.2		5.6		14.2		8		94				<0.2		1.8	
IM11	Fine	Moderate	10:01	7.8	Surface	1.0	0.4	309	28.3	28.3	7.9	7.9	24.8	24.8	83.2	83.2	5.7	5.7	10.7	13.6	22	23	85	89	822041	811455	<0.2	<0.2	1.4	1.5
						1.0	0.5	328	28.3		7.9		24.8		83.2		5.7		10.6		22		86				<0.2		1.4	
					Middle	3.9	0.4	320	28.3	28.3	7.9	7.9	25.0	25.0	82.6	82.6	5.6		13.2		22		89				<0.2		1.6	
						3.9	0.4	327	28.3		7.9		25.0		82.6		5.6		13.4		23		90				<0.2		1.4	
					Bottom	6.8	0.3	338	28.2	28.2	7.9	7.9	25.0	25.0	82.1	82.1	5.6	5.6	16.8		25		93				<0.2		1.5	
						6.8	0.3	341	28.2		7.9		25.0		82.1		5.6		16.7		24		93				<0.2		1.6	
IM12	Fine	Moderate	09:47	8.9	Surface	1.0	0.4	276	28.3	28.3	7.9	7.9	25.1	25.1	82.0	82.0	5.6	5.6	13.6	15.1	21	22	86	90	821451	812052	<0.2	<0.2	1.2	1.4
						1.0	0.4	278	28.3		7.9		25.1		82.0		5.6		13.4		21		85				<0.2		1.5	
					Middle	4.5	0.3	273	28.2	28.2	7.9	7.9	25.1	25.1	81.4	81.4	5.5		14.3		22		90				<0.2		1.5	
						4.5	0.4	288	28.2		7.9		25.1		81.4		5.5		14.1		22		89				<0.2		1.4	
					Bottom	7.9	0.3	278	28.2	28.2	7.9	7.9	25.1	25.1	81.6	81.6	5.5	5.5	17.4		22		94				<0.2		1.5	
						7.9	0.3	287	28.2		7.9		25.1		81.6		5.5		17.7		21		94				<0.2		1.4	
SR1A	Fine	Moderate	09:28	5.5	Surface	1.0	-	-	28.1	28.1	7.9	7.9	25.1	25.1	82.1	82.1	5.6	5.6	7.1	7.7	10	10	-	-	819978	812655	-	-	-	-
						1.0	-	-	28.1		7.9		25.1		82.1		5.6		7.2		10		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	28.0	28.0	7.9	7.9	25.2	25.2	80.5	80.6	5.5	5.5	8.2		10		-				-		-	
						4.5	-	-	28.0		7.9		25.2		80.6		5.5		8.4		10		-				-		-	
SR2	Fine	Moderate	09:16	5.0	Surface	1.0	0.8	307	28.3	28.3	7.9	7.9	25.0	25.0	84.8	84.8	5.8	5.8	4.7	8.5	8	9	85	88	821458	814179	<0.2	<0.2	1.5	1.5
						1.0	0.8	310	28.3		7.9		25.0		84.8		5.8		4.7		9		85				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.6	308	28.2	28.2	7.9	7.9	25.2	25.2	81.3	81.3	5.5	5.5	12.5		8		90				<0.2		1.5	
						4.0	0.6	329	28.2		7.9		25.2		81.3		5.5		12.1		9		90				<0.2		1.4	
SR3	Fine	Moderate	08:15	8.2	Surface	1.0	0.2	34	28.5	28.5	7.9	7.9	23.2	23.2	84.4	84.4	5.8	5.8	4.7	10.5	6	6	-	-	822151	807551	-	-	-	-
						1.0	0.2	35	28.5		7.9		23.2		84.3		5.8		4.7		6		-				-		-	
					Middle	4.1	0.3	78	28.4	28.4	7.9	7.9	23.9	23.9	84.2	84.2	5.7		8.2		6		-				-		-	
						4.1	0.3	80	28.4		7.9		23.9		84.2		5.7		8.2		6		-				-		-	
					Bottom	7.2	0.5	82	28.2	28.2	7.9	7.9	25.2	25.2	83.7	83.7	5.7	5.7	18.5		5		-				-		-	
						7.2	0.5	87	28.2		7.9		25.2		83.7		5.7		18.8		6		-				-		-	
SR4A	Cloudy	Calm	08:04	8.8	Surface	1.0	0.5	74	29.2	29.2	7.9	7.9	27.9	27.9	86.3	86.5	5.7	5.7	11.6	15.0	10	12	-	-	817173	807811	-	-	-	-
						1.0	0.5	76	29.2		7.9		27.9		86.6		5.7		11.4		9		-				-		-	
					Middle	4.4	0.5	75	29.2	29.2	7.9	7.9	27.9	27.9	86.3	86.3	5.7		15.3		10		-				-		-	
						4.4	0.5	80	29.2		7.9		27.9		86.2		5.7		15.1		9		-				-		-	
					Bottom	7.8	0.4	73	29.2	29.2	7.9	7.9	28.0	28.0	86.4	86.8	5.7	5.7	18.2		17		-				-		-	
						7.8	0.4	79	29.2		7.9		28.0		87.2		5.7		18.3		17		-				-		-	
SR5A	Cloudy	Calm	07:45	5.2	Surface	1.0	0.1	153	29.3	29.3	7.9	7.9	28.0	28.0	84.4	84.6	5.5	5.6	5.0	5.5	14	20	-	-	816602	810715	-	-	-	-
						1.0	0.1	163	29.3		7.9		28.0		84.8		5.6		5.1		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	124	29.2	29.2	7.9	7.9	28.0	28.0	86.6	87.0	5.7	5.7	5.9		25		-				-		-	
						4.2	0.1	135	29.2		7.9		28.0		87.3		5.7		6.1		25		-				-		-	
SR6A	Cloudy	Calm	07:18	4.1	Surface	1.0	0.1	217	29.2	29.2	7.9	7.9	28.0	28.0	82.7	82.7	5.4	5.4	6.6	6.6	10	11	-	-	817966	814760	-	-	-	-
						1.0	0.1	227	29.2		7.9		28.0		82.7		5.4		6.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	212	29.2	29.2	7.8	7.8	28.1	28.1	84.5	84.6	5.6	5.6	6.6		11		-				-		-	
						3.1	0.1	227	29.2		7.8		28.1		84.6		5.6		6.6		12		-				-		-	
SR7	Fine	Moderate	08:27	14.9	Surface	1.0	0.2	248	28.2	28.2	7.9	7.9	25.7	25.7	79.2	79.2	5.4	5.4	7.9	9.6	10	12	-	-	823646	823718	-	-	-	-
						1.0	0.2	256	28.2		7.9		25.7		79.2		5.4		7.8		10		-				-		-	
					Middle	7.5	0.3	221	28.2	28.2	7.9	7.9	25.8	25.8	78.7	78.7	5.3		9.1		12		-				-		-	
						7.5	0.3	230	28.2		7.9		25.8		78.7		5.3		9.1		12		-				-		-	
					Bottom	13.9	0.5	221	28.1	28.1	7.9	7.9	26.1	26.1	78.0	78.0	5.3	5.3	11.8		12		-				-		-	
						13.9	0.5	225	28.1		7.9		26.1		78.0		5.3		11.7		13		-				-		-	
SR8	Fine	Moderate	09:39	5.2	Surface	1.0	-	-	29.0	29.0	7.9	7.9	24.8	24.8	86.7	86.8	5.8	5.8	8.1	9.2	13	13	-	-	820382	811619	-	-	-	-
						1.0	-	-	29.0		7.9		24.8		86.8		5.8		8.1		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	28.3	28.3	7.9	7.9	24.9	24.9	83.8	83.8	5.7	5.7	10.4		14		-				-		-	
						4.2	-	-	28.3		7.9		24.9		83.8		5.7		10.1		14		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 October 19 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	15:38	8.2	Surface	1.0	0.3	144	29.3	29.3	8.0	8.0	28.4	28.4	85.3	85.3	5.6	5.6	18.7	18.1	9	11	86	89	815618	804253	<0.2	<0.2	1.1	1.1
						1.0	0.3	140	29.3		8.0		28.4		85.3		5.6		18.7		10		86				<0.2		1.1	
					Middle	4.1	0.3	131	29.3	29.3	8.0	8.0	28.5	28.5	85.8	85.9	5.6		16.0		11		88				<0.2		1.0	
						4.1	0.3	141	29.3		8.0		28.5		85.9		5.6		16.0		11		89				<0.2		1.1	
					Bottom	7.2	0.2	129	29.3	29.3	8.0	8.0	28.5	28.5	86.9	87.0	5.7	5.7	19.7		12		91				<0.2		1.1	
						7.2	0.2	130	29.3		8.0		28.5		87.0		5.7		19.7		12		91				<0.2		1.1	
C2	Fine	Moderate	14:35	11.8	Surface	1.0	0.4	126	29.7	29.6	8.0	8.0	25.3	25.3	83.8	83.8	5.5	5.5	11.4	12.9	9	9	79	83	825666	806931	<0.2	<0.2	1.5	1.7
						1.0	0.4	128	29.6		8.0		25.3		83.8		5.6		11.6		8		80				<0.2		1.6	
					Middle	5.9	0.4	151	29.5	29.5	8.0	8.0	26.3	26.3	83.1	83.1	5.5		12.2		9		84				<0.2		1.6	
						5.9	0.4	155	29.5		8.0		26.3		83.1		5.5		12.2		9		83				<0.2		1.7	
					Bottom	10.8	0.2	143	29.7	29.7	8.0	8.0	28.1	28.1	78.1	78.1	5.1	5.1	14.9		9		87				<0.2		1.7	
						10.8	0.2	153	29.7		8.0		28.1		78.1		5.1		15.2		10		87				<0.2		1.8	
C3	Cloudy	Moderate	16:35	11.7	Surface	1.0	0.2	88	30.2	30.2	8.0	8.0	28.4	28.4	87.2	87.2	5.6	5.5	3.0	6.7	8	8	82	85	822127	817803	<0.2	<0.2	1.2	1.1
						1.0	0.3	91	30.2		8.0		28.4		87.2		5.6		3.0		7		83				<0.2		1.2	
					Middle	5.9	0.2	92	29.9	29.9	8.0	8.0	28.9	28.9	82.5	82.5	5.3		4.6		8		85				<0.2		1.1	
						5.9	0.2	96	29.9		8.0		28.9		82.4		5.3		4.7		8		85				<0.2		1.0	
					Bottom	10.7	0.1	20	29.5	29.5	8.0	8.0	30.0	30.0	79.2	79.3	5.1	5.1	12.5		9		88				<0.2		0.9	
						10.7	0.1	20	29.5		8.0		30.0		79.3		5.1		12.4		9		89				<0.2		1.0	
IM1	Fine	Moderate	15:25	5.3	Surface	1.0	0.3	102	29.6	29.6	8.0	8.0	27.9	27.9	88.9	88.9	5.8	5.8	6.6	7.0	14	14	86	88	817943	807128	<0.2	<0.2	1.1	1.0
						1.0	0.3	113	29.6		8.0		27.9		88.9		5.8		6.6		13		85				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	121	29.5	29.5	8.0	8.0	28.1	28.1	88.8	88.9	5.8	5.8	7.4		14		90				<0.2		1.0	
						4.3	0.2	143	29.5		8.0		28.1		88.9		5.8		7.5		15		89				<0.2		0.9	
IM2	Fine	Moderate	15:20	7.2	Surface	1.0	0.3	250	29.4	29.4	8.0	8.0	27.9	27.9	85.7	85.8	5.6	5.6	11.8	13.6	14	15	85	88	818144	806188	<0.2	<0.2	1.1	1.2
						1.0	0.3	222	29.4		8.0		27.9		85.8		5.6		11.9		14		86				<0.2		1.2	
					Middle	3.6	0.3	245	29.4	29.4	8.0	8.0	28.0	28.0	85.9	86.0	5.6		12.9		16		88				<0.2		1.2	
						3.6	0.3	227	29.4		8.0		28.0		86.0		5.6		13.0		16		88				<0.2		1.1	
					Bottom	6.2	0.2	220	29.4	29.4	8.0	8.0	28.0	28.0	87.6	87.7	5.7	5.8	16.0		15		90				<0.2		1.2	
						6.2	0.2	234	29.3		8.0		28.0		87.8		5.8		16.0		16		90				<0.2		1.2	
IM3	Fine	Moderate	15:14	7.1	Surface	1.0	0.3	233	29.5	29.5	8.0	8.0	27.7	27.7	85.5	85.5	5.6	5.6	10.4	12.3	14	15	85	88	818770	805588	<0.2	<0.2	1.2	1.1
						1.0	0.3	235	29.5		8.0		27.7		85.4		5.6		10.4		15		85				<0.2		1.1	
					Middle	3.6	0.3	209	29.3	29.3	8.0	8.0	28.1	28.1	85.1	85.2	5.6		12.6		15		88				<0.2		1.1	
						3.6	0.3	201	29.3		8.0		28.1		85.2		5.6		12.6		16		88				<0.2		0.8	
					Bottom	6.1	0.3	235	29.4	29.4	8.0	8.0	28.1	28.1	86.6	86.7	5.7	5.7	13.9		15		90				<0.2		1.1	
						6.1	0.3	240	29.4		8.0		28.1		86.8		5.7		13.9		16		90				<0.2		1.1	
IM4	Fine	Moderate	15:04	7.8	Surface	1.0	0.6	216	29.4	29.4	8.0	8.0	27.4	27.4	84.7	84.7	5.6	5.6	12.9	13.1	18	19	85	88	819711	804592	<0.2	<0.2	1.0	1.0
						1.0	0.6	220	29.4		8.0		27.4		84.6		5.6		12.4		18		85				<0.2		1.0	
					Middle	3.9	0.6	202	29.3	29.3	8.0	8.0	27.6	27.6	84.3	84.3	5.5		13.5		19		88				<0.2		0.9	
						3.9	0.6	198	29.3		8.0		27.6		84.3		5.5		13.5		19		89				<0.2		0.9	
					Bottom	6.8	0.5	252	29.3	29.3	8.0	8.0	27.9	27.9	85.7	85.7	5.6	5.6	13.1		19		91				<0.2		0.9	
						6.8	0.5	255	29.3		8.0		27.9		85.7		5.6		13.1		20		91				<0.2		1.0	
IM5	Fine	Moderate	14:54	7.6	Surface	1.0	0.8	198	29.4	29.4	8.0	8.0	27.6	27.6	84.3	84.3	5.5	5.5	15.0	14.5	18	18	86	88	820714	804882	<0.2	<0.2	2.0	1.4
						1.0	0.8	199	29.4		8.0		27.6		84.3		5.5		15.1		18		85				<0.2		1.2	
					Middle	3.8	0.7	171	29.4	29.4	8.0	8.0	27.7	27.7	84.0	84.0	5.5		13.2		18		88				<0.2		1.3	
						3.8	0.8	189	29.4		8.0		27.7		84.0		5.5		13.9		18		87				<0.2		1.3	
					Bottom	6.6	0.6	214	29.4	29.4	8.0	8.0	27.7	27.7	84.6	84.7	5.6	5.6	15.0		18		91				<0.2		1.2	
						6.6	0.7	220	29.4		8.0		27.7		84.7		5.6		14.7		17		91				<0.2		1.3	
IM6	Fine	Moderate	14:45	7.4	Surface	1.0	0.7	183	29.5	29.5	8.0	8.0	28.0	28.0	86.6	86.6	5.7	5.7	11.0	12.8	20	19	86	88	821042	805837	<0.2	<0.2	1.2	1.2
						1.0	0.7	199	29.5		8.0		28.0		86.6		5.7		11.0		21		85				<0.2		1.1	
					Middle	3.7	0.6	148	29.5	29.5	8.0	8.0	28.0	28.0	86.8	86.8	5.7		14.2		18		87				<0.2		1.2	
						3.7	0.7	141	29.5		8.0		28.0		86.8		5.7		14.2		18		88				<0.2		1.2	
					Bottom	6.4	0.6	184	29.3	29.3	8.0	8.0	28.1	28.1	88.0	88.1	5.8	5.8	13.1		18		91				<0.2		1.1	
						6.4	0.6	185	29.3		8.0		28.1		88.1		5.8		13.1		17		90				<0.2		1.1	
IM7	Fine	Moderate	14:39	7.9	Surface	1.0	0.6	183	29.5	29.5	8.0	8.0	28.0	28.0	86.3	86.3	5.6	5.6	13.7	13.0	22	22	86	88	821327	806840	<0.2	<0.2	1.1	1.1
						1.0	0.6	179	29.5		8.0		28.0		86.3		5.6		13.9		23		85				<0.2		1.2	
					Middle	4.0	0.5	187	29.5	29.5	8.0	8.0	28.0	28.0	86.1	86.1	5.6		14.4		22		88				<0.2		1.2	
						4.0	0.5	191	29.5		8.0		28.0		86.1		5.6		14.3		21		88				<0.2		0.9	
					Bottom	6.9	0.4	187	29.5	29.5	8.0	8.0	28.0	28.0	86.3	86.4	5.6	5.6	10.7		22		91				<0.2		1.0	
						6.9	0.4	193	29.5		8.0		28.0		86.4		5.6		10.7		21		90				<0.2		1.2	
IM8	Fine	Moderate	15:03	7.9	Surface	1.0	0.1	167	29.9	29.9	8.0	8.0	25.2	25.2	88.1	88.1	5.8	5.8	4.1	10.5	6	7	81	84	821837	808152	<0.2	<0.2	1.5	1.4
						1.0	0.1	166	29.9		8.0		25.2		88.1		5.8		4.1		5		80				<0.2		1.5	
					Middle	4.0	0.2	179	29.7	29.7	8.0	8.0	26.7	26.7	87.1	87.1	5.7		10.7		6		83				<0.2		1.4	
						4.0	0.2	184	29.7		8.0		26.7		87.1		5.7		10.9		7		84				<0.2		1.2	
					Bottom	6.9	0.2	185	29.7	29.7	8.0	8.0	27.9	27.9	88.4	88.3	5.8	5.8	16.7		8		86				<0.2		1.3	
						6.9	0.2	186	29.7		8.0		27.9		88.2		5.8		16.7		9		87				<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 03 October 19 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	15:11	7.3	Surface	1.0	0.3	163	29.7	29.7	8.0	8.0	25.5	25.5	87.3	87.3	5.8	5.7	6.7	9.6	11	12	81	84	822094	808789	<0.2	<0.2	1.6	1.5
						1.0	0.3	166	29.7		8.0		25.5		87.2		5.8		6.7		10		80				<0.2		1.3	
					Middle	3.7	0.2	164	29.6	29.6	8.0	8.0	26.6	26.6	85.3	85.3	5.6		10.1		12		84				<0.2		1.3	
						3.7	0.2	160	29.6		8.0		26.6		85.3		5.6		10.1		13		84				<0.2		1.5	
					Bottom	6.3	0.2	172	29.6	29.6	8.0	8.0	27.0	27.0	84.8	84.9	5.6	5.6	11.9		12		87				<0.2		1.5	
						6.3	0.2	173	29.6		8.0		27.0		84.9		5.6		11.9		13		87				<0.2		1.6	
IM10	Fine	Moderate	15:18	6.7	Surface	1.0	0.2	153	29.9	29.9	8.0	8.0	25.6	25.6	88.9	88.9	5.9	5.8	6.8	10.5	9	9	81	84	822378	809793	<0.2	<0.2	1.5	1.4
						1.0	0.2	158	29.9		8.0		25.6		88.9		5.9		6.9		10		80				<0.2		1.4	
					Middle	3.4	0.2	158	29.8	29.8	8.0	8.0	26.4	26.4	87.5	87.5	5.7		9.8		9		85				<0.2		1.5	
						3.4	0.2	169	29.8		8.0		26.4		87.5		5.7		9.8		9		85				<0.2		1.2	
					Bottom	5.7	0.2	162	29.8	29.8	8.0	8.0	27.5	27.5	87.1	87.1	5.7	5.7	14.8		8		87				<0.2		1.4	
						5.7	0.2	163	29.8		8.0		27.5		87.1		5.7		14.8		9		87				<0.2		1.5	
IM11	Fine	Moderate	15:30	8.4	Surface	1.0	0.0	140	29.7	29.7	8.0	8.0	27.9	27.9	83.6	83.6	5.4	5.4	13.5	17.7	14	14	81	84	822061	811481	<0.2	<0.2	1.2	1.1
						1.0	0.0	143	29.7		8.0		27.9		83.6		5.4		13.6		15		80				<0.2		1.0	
					Middle	4.2	0.0	152	29.6	29.6	8.0	8.0	28.0	28.0	82.3	82.3	5.4		18.6		13		84				<0.2		1.0	
						4.2	0.0	153	29.6		8.0		28.0		82.3		5.4		18.6		14		85				<0.2		1.0	
					Bottom	7.4	0.1	144	29.6	29.6	8.0	8.0	28.0	28.0	82.2	82.2	5.4	5.4	21.0		15		87				<0.2		1.0	
						7.4	0.1	166	29.6		8.0		28.0		82.2		5.4		21.0		15		88				<0.2		1.1	
IM12	Fine	Moderate	15:37	9.6	Surface	1.0	0.2	138	29.9	29.9	8.0	8.0	27.8	27.8	85.5	85.5	5.6	5.6	9.8	14.9	13	13	80	83	821444	812026	<0.2	<0.2	1.2	1.3
						1.0	0.2	133	29.9		8.0		27.8		85.5		5.6		9.9		14		80				<0.2		1.2	
					Middle	4.8	0.1	142	29.7	29.7	8.0	8.0	27.9	27.9	83.9	83.9	5.5		16.0		13		83				<0.2		1.4	
						4.8	0.1	145	29.7		8.0		27.9		83.9		5.5		16.0		12		84				<0.2		1.4	
					Bottom	8.6	0.1	146	29.7	29.7	8.0	8.0	28.0	28.0	84.3	84.3	5.5	5.5	18.7		12		86				<0.2		1.2	
						8.6	0.2	139	29.7		8.0		28.0		84.3		5.5		18.7		13		87				<0.2		1.2	
SR1A	Fine	Moderate	16:01	5.2	Surface	1.0	-	-	30.0	30.0	8.0	8.0	27.9	27.9	88.3	88.3	5.7	5.7	5.4	11.7	9	9	-	-	819979	812662	-	-	-	-
						1.0	-	-	30.0		8.0		27.9		88.2		5.7		5.4		8		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	29.6	29.6	8.0	8.0	28.1	28.1	83.1	83.1	5.4	5.4	17.9		9		-				-		-	
						4.2	-	-	29.6		8.0		28.1		83.1		5.4		17.9		8		-				-		-	
SR2	Cloudy	Moderate	16:12	4.7	Surface	1.0	0.3	51	29.9	29.9	8.0	8.0	27.9	27.9	85.7	85.7	5.6	5.6	6.5	10.6	7	6	84	85	821473	814176	<0.2	<0.2	1.1	1.1
						1.0	0.3	55	29.9		8.0		27.9		85.6		5.6		6.7		6		84				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	55	29.6	29.6	8.0	8.0	28.1	28.1	82.7	82.7	5.4	5.4	14.6		6		86				<0.2		1.1	
						3.7	0.2	56	29.6		8.0		28.1		82.7		5.4		14.6		6		86				<0.2		1.0	
SR3	Fine	Moderate	14:56	9.0	Surface	1.0	0.3	165	30.1	30.1	8.0	8.0	25.3	25.3	88.6	88.6	5.8	5.9	5.1	9.8	9	9	-	-	822134	807588	-	-	-	-
						1.0	0.3	168	30.1		8.0		25.3		88.6		5.8		5.1		9		-				-		-	
					Middle	4.5	0.4	165	30.0	30.0	8.0	8.0	25.8	25.8	89.2	89.2	5.9		8.2		8		-				-		-	
						4.5	0.4	170	30.0		8.0		25.8		89.2		5.9		8.2		8		-				-		-	
					Bottom	8.0	0.4	167	29.7	29.7	8.0	8.0	27.9	27.9	87.8	87.8	5.7	5.7	16.1		9		-				-		-	
						8.0	0.4	171	29.7		8.0		27.9		87.8		5.7		16.1		8		-				-		-	
SR4A	Fine	Moderate	15:50	8.5	Surface	1.0	0.6	53	29.6	29.6	8.0	8.0	27.8	27.8	88.2	88.2	5.8	5.8	12.6	13.6	16	16	-	-	817176	807804	-	-	-	-
						1.0	0.6	56	29.6		8.0		27.8		88.2		5.8		12.8		16		-				-		-	
					Middle	4.3	0.5	56	29.6	29.6	8.0	8.0	27.8	27.8	88.2	88.2	5.8		13.0		16		-				-		-	
						4.3	0.5	57	29.6		8.0		27.8		88.2		5.8		13.0		16		-				-		-	
					Bottom	7.5	0.4	47	29.6	29.6	8.0	8.0	27.9	27.9	89.0	89.1	5.8	5.8	14.9		15		-				-		-	
						7.5	0.4	50	29.6		8.0		27.9		89.1		5.8		15.0		16		-				-		-	
SR5A	Fine	Moderate	16:02	4.5	Surface	1.0	0.7	91	29.6	29.6	8.0	8.0	28.3	28.3	86.0	86.0	5.6	5.6	9.2	10.7	11	11	-	-	816595	810715	-	-	-	-
						1.0	0.7	97	29.6		8.0		28.3		86.0		5.6		9.3		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.5	89	29.4	29.4	8.0	8.0	28.4	28.4	87.4	87.4	5.7	5.7	12.1		12		-				-		-	
						3.5	0.5	92	29.4		8.0		28.4		87.4		5.7		12.1		11		-				-		-	
SR6A	Fine	Moderate	16:46	4.4	Surface	1.0	0.0	74	30.0	30.0	8.0	8.0	27.8	27.8	87.0	87.0	5.7	5.7	6.2	7.0	8	8	-	-	817948	814744	-	-	-	-
						1.0	0.0	74	30.0		8.0		27.8		86.7		5.6		6.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	339	29.6	29.6	8.0	8.0	28.3	28.3	84.8	85.1	5.5	5.6	7.8		10		-				-		-	
						3.4	0.1	344	29.6		8.0		28.3		85.3		5.6		7.8		11		-				-		-	
SR7	Cloudy	Rough	17:03	16.0	Surface	1.0	0.2	99	29.7	29.7	8.0	8.0	29.8	29.8	80.9	80.9	5.2	5.2	5.5	5.6	6	6	-	-	823653	823764	-	-	-	-
						1.0	0.2	107	29.7		8.0		29.8		80.9		5.2		5.5		6		-				-		-	
					Middle	8.0	0.1	108	29.6	29.6	8.0	8.0	30.1	30.1	78.7	78.7	5.1		5.4		6		-				-		-	
						8.0	0.1	113	29.6		8.0		30.1		78.7		5.1		5.5		6		-				-		-	
					Bottom	15.0	0.1	279	29.5	29.5	8.0	8.0	30.4	30.4	79.8	79.9	5.2	5.2	5.8		6		-				-		-	
						15.0	0.1	306	29.5		8.0		30.4		79.9		5.2		5.8		7		-				-		-	
SR8	Fine	Moderate	15:49	4.9	Surface	1.0	-	-	29.9	29.9	8.0	8.0	27.8	27.8	85.4	85.4	5.6	5.6	9.8	11.7	11	11	-	-	820376	811624	-	-	-	-
						1.0	-	-	29.9		8.0		27.8		85.4		5.6		9.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	29.7	29.7	8.0	8.0	27.9	27.9	84.0	84.0	5.5	5.5	13.8		12		-				-		-	
						3.9	-	-	29.7		8.0		27.9		84.0		5.5		13.5		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 03 October 19 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	10:24	8.1	Surface	1.0	0.5	58	29.4	29.4	8.0	8.0	27.9	27.9	85.1	85.1	5.6	5.6	8.2	10.2	11	12	85	88	815621	804223	<0.2	<0.2	1.2	1.2
						1.0	0.5	59	29.4		8.0		27.9		85.1		5.6		8.4		11		86				<0.2		1.2	
					Middle	4.1	0.4	49	29.3	29.3	8.0	8.0	28.2	28.2	84.7	85.0	5.6		11.0		12		87				<0.2		1.1	
						4.1	0.4	50	29.3		8.0		28.2		85.2		5.6		10.0		11		88				<0.2		1.2	
					Bottom	7.1	0.3	41	29.3	29.3	8.0	8.0	28.2	28.2	86.5	86.6	5.7	5.7	11.6		13		90				<0.2		1.1	
						7.1	0.3	42	29.2		8.0		28.2		86.6		5.7		11.8		14		90				<0.2		1.1	
C2	Fine	Rough	11:40	11.4	Surface	1.0	0.4	13	29.7	29.7	8.0	8.0	25.3	25.3	83.8	83.8	5.5	5.5	9.4	11.3	5	5	80	84	825692	806921	<0.2	<0.2	1.6	1.5
						1.0	0.4	13	29.7		8.0		25.3		83.8		5.5		9.4		5		80				<0.2		1.6	
					Middle	5.7	0.3	40	29.5	29.5	8.0	8.0	26.3	26.3	82.0	82.0	5.4		11.1		4		84				<0.2		1.5	
						5.7	0.3	42	29.5		8.0		26.3		81.9		5.4		10.9		5		84				<0.2		1.4	
					Bottom	10.4	0.2	24	29.6	29.6	8.0	8.0	27.8	27.8	80.4	80.5	5.3	5.3	13.5		5		87				<0.2		1.4	
						10.4	0.2	25	29.6		8.0		27.8		80.5		5.3		13.5		6		87				<0.2		1.6	
C3	Fine	Moderate	09:50	11.2	Surface	1.0	0.6	262	29.8	29.8	8.0	8.0	27.7	27.7	84.3	84.3	5.5	5.5	6.5	11.5	7	7	82	85	822089	817811	<0.2	<0.2	1.4	1.3
						1.0	0.6	283	29.8		8.0		27.7		84.3		5.5		6.5		6		81				<0.2		1.4	
					Middle	5.6	0.7	265	29.6	29.6	8.0	8.0	28.4	28.4	82.1	82.2	5.4		12.6		7		85				<0.2		1.1	
						5.6	0.8	285	29.6		8.0		28.4		82.2		5.4		12.8		6		84				<0.2		1.2	
					Bottom	10.2	0.6	263	29.6	29.6	8.0	8.0	29.0	29.0	80.2	80.2	5.2	5.2	15.3		6		88				<0.2		1.3	
						10.2	0.6	280	29.6		8.0		29.0		80.2		5.2		15.1		7		88				<0.2		1.4	
IM1	Fine	Moderate	10:34	5.6	Surface	1.0	0.3	343	29.3	29.3	8.0	8.0	27.9	27.9	84.8	84.8	5.6	5.6	8.1	9.6	9	10	86	88	817935	807111	<0.2	<0.2	1.1	1.1
						1.0	0.3	316	29.3		8.0		27.9		84.7		5.6		8.4		10		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	344	29.4	29.4	8.0	8.0	28.0	28.0	84.4	84.4	5.5	5.5	10.9		11		90				<0.2		1.0	
						4.6	0.2	347	29.4		8.0		28.0		84.4		5.5		10.9		10		89				<0.2		1.0	
IM2	Fine	Moderate	10:40	7.2	Surface	1.0	0.4	28	29.5	29.5	8.0	8.0	27.9	27.9	85.8	85.8	5.6	5.6	8.9	10.5	9	10	86	89	818175	806160	<0.2	<0.2	1.1	1.2
						1.0	0.4	29	29.5		8.0		27.9		85.8		5.6		9.2		9		86				<0.2		1.2	
					Middle	3.6	0.3	12	29.4	29.4	8.0	8.0	28.0	28.0	85.7	85.8	5.6		10.9		10		88				<0.2		1.2	
						3.6	0.4	12	29.4		8.0		28.0		85.8		5.6		10.8		10		89				<0.2		1.2	
					Bottom	6.2	0.3	351	29.4	29.4	8.0	8.0	28.0	28.0	85.8	85.8	5.6	5.6	11.9		10		92				<0.2		1.0	
						6.2	0.3	323	29.4		8.0		28.0		85.8		5.6		11.3		10		91				<0.2		1.2	
IM3	Fine	Moderate	10:45	7.6	Surface	1.0	0.4	11	29.6	29.6	8.0	8.0	27.1	27.2	86.8	86.8	5.7	5.6	6.9	10.2	9	10	85	88	818770	805609	<0.2	<0.2	1.2	1.2
						1.0	0.4	11	29.6		8.0		27.2		86.7		5.7		7.1		10		86				<0.2		1.2	
					Middle	3.8	0.4	350	29.4	29.4	8.0	8.0	28.0	28.0	84.4	84.4	5.5		11.4		9		87				<0.2		1.2	
						3.8	0.4	358	29.4		8.0		28.0		84.4		5.5		11.4		9		88				<0.2		1.2	
					Bottom	6.6	0.4	339	29.4	29.4	8.0	8.0	28.2	28.2	84.8	84.9	5.6	5.6	12.2		11		90				<0.2		1.2	
						6.6	0.4	347	29.4		8.0		28.2		84.9		5.6		12.5		11		90				<0.2		1.1	
IM4	Fine	Moderate	10:52	7.8	Surface	1.0	0.8	5	29.4	29.4	8.0	8.0	27.5	27.5	84.7	84.7	5.6	5.6	12.8	13.0	13	16	86	88	819710	804586	<0.2	<0.2	1.3	1.2
						1.0	0.9	5	29.4		8.0		27.5		84.7		5.6		12.8		14		85				<0.2		1.2	
					Middle	3.9	0.6	5	29.4	29.4	8.0	8.0	27.5	27.5	84.6	84.6	5.6		12.9		16		87				<0.2		1.2	
						3.9	0.7	5	29.4		8.0		27.6		84.6		5.6		12.7		17		89				<0.2		1.2	
					Bottom	6.8	0.5	1	29.3	29.3	8.0	8.0	27.8	27.8	85.3	85.4	5.6	5.6	13.0		18		90				<0.2		1.2	
						6.8	0.6	1	29.2		8.0		27.8		85.4		5.6		13.9		16		90				<0.2		1.3	
IM5	Fine	Moderate	10:58	7.4	Surface	1.0	0.8	30	29.4	29.4	8.0	8.0	27.5	27.5	84.1	84.1	5.5	5.5	11.3	13.0	16	17	85	88	820751	804865	<0.2	<0.2	1.6	1.5
						1.0	0.8	30	29.4		8.0		27.5		84.0		5.5		11.3		16		86				<0.2		1.7	
					Middle	3.7	0.8	25	29.4	29.4	8.0	8.0	27.5	27.5	84.0	84.0	5.5		13.0		16		88				<0.2		1.7	
						3.7	0.8	27	29.4		8.0		27.5		84.0		5.5		13.0		17		87				<0.2		1.4	
					Bottom	6.4	0.7	30	29.4	29.4	8.0	8.0	27.5	27.5	85.3	85.5	5.6	5.6	14.4		18		90				<0.2		1.3	
						6.4	0.7	31	29.4		8.0		27.5		85.6		5.6		15.0		18		90				<0.2		1.3	
IM6	Fine	Moderate	11:03	7.2	Surface	1.0	0.4	342	29.5	29.5	8.0	8.0	27.8	27.8	85.9	85.9	5.6	5.6	10.8	11.5	16	17	86	88	821061	805846	<0.2	<0.2	1.2	1.2
						1.0	0.4	315	29.5		8.0		27.8		85.9		5.6		10.8		16		87				<0.2		1.3	
					Middle	3.6	0.3	347	29.5	29.5	8.0	8.0	27.8	27.8	86.0	86.0	5.6		11.2		16		88				<0.2		1.2	
						3.6	0.3	319	29.5		8.0		27.8		86.0		5.6		11.2		17		87				<0.2		1.1	
					Bottom	6.2	0.2	338	29.5	29.5	8.0	8.0	27.9	27.9	88.2	88.3	5.8	5.8	12.4		17		90				<0.2		1.1	
						6.2	0.3	343	29.5		8.0		27.9		88.4		5.8		12.4		17		90				<0.2		1.2	
IM7	Fine	Moderate	11:08	7.9	Surface	1.0	0.6	63	29.6	29.6	8.0	8.0	28.0	28.0	86.8	86.8	5.7	5.7	12.7	14.5	16	17	86	88	821369	806821	<0.2	<0.2	1.2	1.1
						1.0	0.6	64	29.6		8.0		28.0		86.8		5.7		13.0		17		85				<0.2		1.1	
					Middle	4.0	0.6	63	29.5	29.5	8.0	8.0	28.0	28.0	86.8	86.8	5.7		14.2		17		87				<0.2		1.1	
						4.0	0.6	67	29.5		8.0		28.0		86.8		5.7		14.2		16		88				<0.2		1.1	
					Bottom	6.9	0.6	68	29.5	29.5	8.0	8.0	28.0	28.0	87.3	87.4	5.7	5.7	16.5		17		90				<0.2		1.0	
						6.9	0.6	68	29.5		8.0		28.0		87.5		5.7		16.5		17		90				<0.2		1.1	
IM8	Fine	Moderate	11:13	7.5	Surface	1.0	0.1	106	29.8	29.8	8.0	8.0	25.0	25.0	86.7	86.7	5.7	5.7	4.6	6.0	6	6	80	83	821810	808126	<0.2	<0.2	1.7	1.7
						1.0	0.1	111	29.8		8.0		25.0		86.7		5.7		4.6		5		80				<0.2		1.7	
					Middle	3.8	0.1	89	29.6	29.6	8.0	8.0	25.3	25.3	84.8	84.8	5.6		5.7		6		84				<0.2		1.6	
						3.8	0.2	95	29.6		8.0		25.3		84.8		5.6		5.7		5		83				<0.2		1.8	
					Bottom	6.5	0.2	67	29.5	29.5	8.0	8.0	25.7	25.7	84.3	84.3	5.6	5.6	7.7		7		86				<0.2		1.5	
						6.5	0.2	68	29.5		8.0		25.7		84.3		5.6		7.7		8		86				<0.2		1.6	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Water Quality Monitoring
Water Quality Monitoring Results on 03 October 19 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	11:06	7.0	Surface	1.0	0.2	79	29.7	29.7	8.0	8.0	25.5	25.5	86.9	86.9	5.7	5.7	5.6	8.7	7	7	81	83	822102	808806	<0.2	<0.2	1.7	1.6
						1.0	0.2	81	29.7		8.0		25.5		86.9		5.7		5.6		7		80				<0.2		1.6	
					Middle	3.5	0.1	107	29.7	29.7	8.0	8.0	26.5	26.5	87.0	87.0	5.7		7.3		6		83				<0.2		1.7	
						3.5	0.1	116	29.7		8.0		26.5		87.0		5.7		7.3		6		82				<0.2		1.7	
					Bottom	6.0	0.0	130	29.6	29.6	8.0	8.0	27.1	27.1	86.1	86.2	5.7	5.7	13.3		7		86				<0.2		1.5	
						6.0	0.0	139	29.6		8.0		27.1		86.2		5.7		13.3		6		87				<0.2		1.6	
IM10	Fine	Moderate	10:58	7.8	Surface	1.0	0.4	312	29.7	29.7	8.0	8.0	27.2	27.2	87.4	87.4	5.7	5.7	10.7	14.4	10	10	80	83	822393	809812	<0.2	<0.2	1.6	1.5
						1.0	0.5	330	29.7		8.0		27.2		87.4		5.7		10.7		10		81				<0.2		1.5	
					Middle	3.9	0.4	304	29.6	29.6	8.0	8.0	27.4	27.4	84.7	84.8	5.6		14.6		10		83				<0.2		1.4	
						3.9	0.4	325	29.6		8.0		27.4		84.8		5.6		14.5		10		83				<0.2		1.4	
					Bottom	6.8	0.4	304	29.6	29.6	8.0	8.0	27.4	27.4	85.3	85.3	5.6	5.6	17.8		10		86				<0.2		1.4	
						6.8	0.4	320	29.6		8.0		27.4		85.3		5.6		17.8		10		86				<0.2		1.4	
IM11	Fine	Moderate	10:48	7.9	Surface	1.0	0.5	292	29.7	29.7	8.0	8.0	27.0	27.0	86.2	86.2	5.6	5.6	8.3	15.4	12	12	80	83	822042	811452	<0.2	<0.2	1.5	1.6
						1.0	0.5	313	29.7		8.0		27.0		86.2		5.6		8.3		12		81				<0.2		1.5	
					Middle	4.0	0.5	305	29.6	29.6	8.0	8.0	27.4	27.4	85.6	85.6	5.6		14.7		12		83				<0.2		1.7	
						4.0	0.5	312	29.6		8.0		27.4		85.6		5.6		14.9		13		83				<0.2		1.8	
					Bottom	6.9	0.3	314	29.6	29.6	8.0	8.0	28.1	28.1	84.7	84.8	5.5	5.5	23.0		13		86				<0.2		1.5	
						6.9	0.3	335	29.6		8.0		28.1		84.8		5.5		23.0		12		86				<0.2		1.3	
IM12	Fine	Moderate	10:41	8.6	Surface	1.0	0.6	282	29.7	29.7	8.0	8.0	27.3	27.3	86.1	86.1	5.6	5.6	15.1	17.5	15	15	80	83	821456	812051	<0.2	<0.2	1.1	1.2
						1.0	0.6	291	29.7		8.0		27.3		86.0		5.6		15.3		15		80				<0.2		1.1	
					Middle	4.3	0.5	291	29.6	29.6	8.0	8.0	27.9	27.9	83.7	83.7	5.5		17.2		14		83				<0.2		1.3	
						4.3	0.5	302	29.6		8.0		27.9		83.7		5.5		17.5		15		83				<0.2		1.2	
					Bottom	7.6	0.4	294	29.5	29.5	8.0	8.0	28.2	28.2	85.2	85.3	5.6	5.6	20.2		15		87				<0.2		1.4	
						7.6	0.4	319	29.5		8.0		28.2		85.3		5.6		19.9		14		86				<0.2		1.3	
SR1A	Fine	Moderate	10:23	4.8	Surface	1.0	-	-	29.7	29.7	8.0	8.0	28.1	28.1	88.1	88.1	5.7	5.7	7.3	6.6	22	22	-	-	819976	812666	-	-	-	-
						1.0	-	-	29.7		8.0		28.1		88.1		5.7		7.2		13		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	29.7	29.7	8.1	8.1	28.2	28.2	88.1	88.2	5.7	5.7	6.0		30		-				-		-	
						3.8	-	-	29.7		8.1		28.2		88.2		5.7		6.0		31		-				-		-	
SR2	Fine	Moderate	10:11	3.7	Surface	1.0	0.1	167	29.6	29.6	8.1	8.1	27.7	27.7	85.7	85.7	5.6	5.6	11.8	13.0	21	21	81	84	821483	814156	<0.2	<0.2	1.2	1.3
						1.0	0.1	174	29.6		8.1		27.7		85.7		5.6		11.9		19		81				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	171	29.6	29.6	8.1	8.1	27.8	27.8	86.5	86.6	5.7	5.7	14.1		22		86				<0.2		1.4	
						2.7	0.1	184	29.6		8.1		27.8		86.6		5.7		14.2		22		86				<0.2		1.3	
SR3	Fine	Moderate	11:19	8.6	Surface	1.0	0.1	24	29.7	29.7	8.0	8.0	25.2	25.2	86.8	86.8	5.7	5.7	6.0	9.0	6	6	-	-	822162	807554	-	-	-	-
						1.0	0.1	26	29.7		8.0		25.2		86.7		5.7		6.0		5		-				-		-	
					Middle	4.3	0.3	57	29.6	29.6	8.0	8.0	26.2	26.2	85.0	85.0	5.6		8.9		7		-				-		-	
						4.3	0.4	57	29.6		8.0		26.2		84.9		5.6		8.9		7		-				-		-	
					Bottom	7.6	0.4	66	29.6	29.6	8.0	8.0	27.7	27.7	87.0	87.1	5.7	5.7	12.1		6		-				-		-	
						7.6	0.4	71	29.6		8.0		27.7		87.1		5.7		12.1		6		-				-		-	
SR4A	Fine	Moderate	10:10	8.8	Surface	1.0	0.1	321	29.4	29.4	8.0	8.0	28.4	28.4	81.8	81.8	5.3	5.3	10.3	11.9	16	16	-	-	817179	807819	-	-	-	-
						1.0	0.1	334	29.4		8.0		28.4		81.8		5.3		10.3		16		-				-		-	
					Middle	4.4	0.1	276	29.4	29.4	8.0	8.0	28.5	28.5	81.6	81.6	5.3		11.9		17		-				-		-	
						4.4	0.1	293	29.4		8.0		28.5		81.6		5.3		11.9		17		-				-		-	
					Bottom	7.8	0.1	343	29.4	29.4	8.0	8.0	28.5	28.5	82.1	82.2	5.4	5.4	13.5		16		-				-		-	
						7.8	0.1	359	29.4		8.0		28.5		82.2		5.4		13.6		16		-				-		-	
SR5A	Fine	Moderate	09:56	4.6	Surface	1.0	0.2	290	29.4	29.4	8.0	8.0	28.6	28.6	81.8	81.8	5.3	5.3	15.3	14.9	20	20	-	-	816584	810676	-	-	-	-
						1.0	0.2	296	29.4		8.0		28.6		81.8		5.3		15.2		19		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	299	29.2	29.2	8.0	8.0	28.7	28.7	83.0	83.1	5.4	5.4	14.6		20		-				-		-	
						3.6	0.1	310	29.2		8.0		28.7		83.2		5.4		14.7		21		-				-		-	
SR6A	Fine	Moderate	09:32	4.2	Surface	1.0	0.1	263	29.5	29.5	8.0	8.0	28.3	28.3	82.1	82.1	5.4	5.4	10.1	11.4	14	14	-	-	817949	814753	-	-	-	-
						1.0	0.1	280	29.5		8.0		28.3		82.0		5.4		10.2		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	219	29.4	29.4	8.0	8.0	28.4	28.4	81.8	81.9	5.3	5.4	12.6		13		-				-		-	
						3.2	0.0	228	29.4		8.0		28.4		81.9		5.4		12.6		14		-				-		-	
SR7	Fine	Rough	09:19	15.6	Surface	1.0	0.4	245	29.7	29.7	8.0	8.0	28.4	28.4	83.0	83.0	5.4	5.4	6.8	9.0	10	10	-	-	823614	823724	-	-	-	-
						1.0	0.4	221	29.7		8.0		28.4		83.0		5.4		6.8		8		-				-		-	
					Middle	7.8	0.3	221	29.7	29.7	7.9	7.9	28.5	28.5	82.9	82.9	5.4		8.6		9		-				-		-	
						7.8	0.4	223	29.7		7.9		28.5		82.8		5.4		8.7		9		-				-		-	
					Bottom	14.6	0.4	355	29.6	29.6	7.9	7.9	28.7	28.7	82.4	82.5	5.4	5.4	11.4		11		-				-		-	
						14.6	0.5	327	29.6		7.9		28.7		82.5		5.4		11.4		11		-				-		-	
SR8	Fine	Moderate	10:33	4.5	Surface	1.0	-	-	30.0	30.0	8.0	8.0	27.2	27.2	87.8	87.8	5.7	5.7	12.2	12.0	17	17	-	-	820413	811635	-	-	-	-
						1.0	-	-	30.0		8.0		27.2		87.7		5.7		12.2		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	29.6	29.6	8.1	8.1	27.6	27.6	87.6	87.6	5.7	5.7	11.7		18		-				-		-	
						3.5	-	-	29.6		8.1		27.6		87.6		5.7		11.7		17		-				-		-	

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 October 19 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	05:50	8.2	Surface	1.0	0.1	199	29.4	29.4	8.0	8.0	27.4	27.4	85.7	85.7	5.6	5.6	4.2	4.9	8	9	86	88	815637	804230	<0.2	<0.2	1.0	1.0
						1.0	0.1	202	29.4		8.0		27.4		85.7		5.6		4.2		8		86				<0.2		1.0	
					Middle	4.1	0.1	169	29.4	29.4	8.0	8.0	27.9	27.9	83.5	83.5	5.5		5.1		9		88				<0.2		1.0	
						4.1	0.1	171	29.4		8.0		27.9		83.5		5.5		5.1		10		87				<0.2		1.1	
					Bottom	7.2	0.1	152	29.4	29.4	8.0	8.0	27.8	27.8	83.4	83.4	5.5	5.5	5.2		10		90				<0.2		1.0	
						7.2	0.1	152	29.4		8.0		27.8		83.3		5.5		5.3		9		90				<0.2		1.0	
C2	Fine	Moderate	06:25	10.8	Surface	1.0	0.3	194	29.8	29.8	7.8	7.8	23.7	23.7	79.4	79.4	5.3	5.2	5.1	7.1	3	4	84	88	825705	806946	<0.2	<0.2	2.8	2.7
						1.0	0.3	201	29.8		7.8		23.7		79.3		5.3		5.1		3		84				<0.2		2.7	
					Middle	5.4	0.2	192	29.7	29.7	7.9	7.9	26.1	26.1	76.9	76.9	5.1		5.8		4		89				<0.2		2.6	
						5.4	0.2	203	29.7		7.9		26.1		76.9		5.1		5.8		4		88				<0.2		2.6	
					Bottom	9.8	0.2	210	29.7	29.7	7.9	7.9	26.6	26.6	75.9	75.9	5.0	5.0	10.2		6		92				<0.2		2.6	
						9.8	0.2	226	29.7		7.9		26.6		75.9		5.0		10.4		4		92				<0.2		2.7	
C3	Fine	Moderate	03:43	12.3	Surface	1.0	0.2	3	29.8	29.8	7.9	7.9	26.7	26.7	80.9	80.9	5.3	5.3	6.2	8.0	8	10	84	89	822087	817808	<0.2	<0.2	1.3	1.4
						1.0	0.2	3	29.7		7.9		26.7		80.8		5.3		6.2		8		85				<0.2		1.3	
					Middle	6.2	0.2	143	29.5	29.5	7.9	7.9	27.1	27.1	79.1	79.1	5.2		8.6		10		89				<0.2		1.4	
						6.2	0.2	155	29.5		7.9		27.1		79.1		5.2		8.6		11		89				<0.2		1.4	
					Bottom	11.3	0.2	161	29.5	29.5	7.9	7.9	27.6	27.6	77.1	77.1	5.1	5.1	9.2		10		93				<0.2		1.5	
						11.3	0.2	169	29.5		7.9		27.6		77.1		5.1		9.1		11		92				<0.2		1.4	
IM1	Fine	Moderate	06:02	5.1	Surface	1.0	0.1	217	29.5	29.5	8.0	8.0	27.8	28.0	85.9	83.7	5.6	5.5	3.5	5.5	4	5	86	88	817928	807114	<0.2	<0.2	1.0	1.0
						1.0	0.1	198	29.4		8.0		28.1		81.5		5.3		4.0		3		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	251	29.3	29.3	8.0	8.0	28.4	28.4	80.6	80.6	5.3	5.3	7.2		6		89				<0.2		1.0	
						4.1	0.1	222	29.3		8.0		28.4		80.6		5.3		7.2		5		90				<0.2		1.1	
IM2	Fine	Moderate	06:11	7.2	Surface	1.0	0.1	217	29.6	29.6	8.0	8.0	27.0	27.0	86.6	86.5	5.7	5.5	3.8	7.9	5	7	85	88	818171	806180	<0.2	<0.2	1.0	1.0
						1.0	0.1	218	29.6		8.0		27.0		86.4		5.7		3.9		5		87				<0.2		1.0	
					Middle	3.6	0.2	237	29.4	29.4	8.0	8.0	27.8	27.8	81.8	81.7	5.4		7.4		6		88				<0.2		1.0	
						3.6	0.2	224	29.4		8.0		27.8		81.5		5.3		7.6		8		87				<0.2		1.0	
					Bottom	6.2	0.2	218	29.3	29.3	8.0	8.0	28.3	28.3	81.4	81.5	5.3	5.3	12.5		8		90				<0.2		1.0	
						6.2	0.2	211	29.3		8.0		28.3		81.6		5.3		12.5		8		90				<0.2		1.0	
IM3	Fine	Moderate	06:17	7.8	Surface	1.0	0.3	205	29.6	29.6	8.0	8.0	27.2	27.2	85.1	85.1	5.6	5.6	4.8	7.4	6	6	86	88	818766	805604	<0.2	<0.2	1.8	1.8
						1.0	0.3	218	29.5		8.0		27.2		85.1		5.6		4.7		6		85				<0.2		1.7	
					Middle	3.9	0.2	220	29.4	29.4	8.0	8.0	27.5	27.5	84.7	84.7	5.6		7.3		6		87				<0.2		1.8	
						3.9	0.2	209	29.4		8.0		27.6		84.6		5.6		7.6		7		88				<0.2		1.8	
					Bottom	6.8	0.3	193	29.3	29.3	8.0	8.0	28.4	28.4	80.1	80.2	5.2	5.3	10.0		6		90				<0.2		1.7	
						6.8	0.3	194	29.3		8.0		28.4		80.3		5.3		10.0		7		90				<0.2		1.8	
IM4	Fine	Moderate	06:24	7.3	Surface	1.0	0.2	205	29.6	29.6	8.0	8.0	25.9	26.0	86.0	86.0	5.7	5.6	4.1	7.7	7	7	85	88	819733	804617	<0.2	<0.2	1.7	1.8
						1.0	0.2	228	29.6		8.0		26.0		85.9		5.7		4.1		6		86				<0.2		1.8	
					Middle	3.7	0.2	200	29.5	29.5	8.0	8.0	26.9	26.9	84.5	84.4	5.6		5.7		7		87				<0.2		1.9	
						3.7	0.2	199	29.5		8.0		27.0		84.2		5.5		5.7		6		88				<0.2		1.8	
					Bottom	6.3	0.3	195	29.4	29.4	8.0	8.0	27.6	27.6	83.8	83.9	5.5	5.5	13.4		8		90				<0.2		1.7	
						6.3	0.4	184	29.3		8.0		27.6		83.9		5.5		13.4		9		91				<0.2		1.7	
IM5	Fine	Moderate	06:32	7.1	Surface	1.0	0.4	197	29.5	29.5	8.0	8.0	24.0	24.1	86.2	86.2	5.8	5.7	5.8	7.8	6	6	86	89	820757	804883	<0.2	<0.2	1.7	1.7
						1.0	0.4	199	29.5		8.0		24.1		86.1		5.8		5.8		5		87				<0.2		1.6	
					Middle	3.6	0.3	204	29.4	29.4	8.0	8.0	24.4	24.4	84.5	84.4	5.6		7.4		6		89				<0.2		1.8	
						3.6	0.3	192	29.4		8.0		24.4		84.2		5.6		7.4		6		88				<0.2		1.6	
					Bottom	6.1	0.2	197	29.3	29.4	8.0	8.0	27.1	27.1	83.4	83.5	5.5	5.5	10.3		7		90				<0.2		1.6	
						6.1	0.2	186	29.4		8.0		27.1		83.5		5.5		10.3		6		91				<0.2		1.6	
IM6	Fine	Moderate	06:40	7.6	Surface	1.0	0.4	185	29.6	29.6	8.0	8.0	24.1	24.1	86.7	86.7	5.8	5.8	4.9	7.0	7	7	86	88	821055	805849	<0.2	<0.2	1.5	1.6
						1.0	0.4	183	29.6		8.0		24.1		86.7		5.8		4.9		7		85				<0.2		1.6	
					Middle	3.8	0.4	196	29.5	29.5	8.0	8.0	24.1	24.1	86.7	86.7	5.8		5.3		8		88				<0.2		1.6	
						3.8	0.4	188	29.5		8.0		24.1		86.7		5.8		5.3		7		87				<0.2		1.6	
					Bottom	6.6	0.3	179	29.5	29.5	8.0	8.0	24.1	24.1	88.0	88.2	5.9	5.9	10.9		6		90				<0.2		1.6	
						6.6	0.3	184	29.5		8.0		24.1		88.4		5.9		10.9		6		90				<0.2		1.6	
IM7	Fine	Moderate	06:46	7.9	Surface	1.0	0.4	185	29.6	29.6	8.0	8.0	23.9	23.9	86.6	86.6	5.8	5.8	4.4	6.5	5	5	86	88	821354	806824	<0.2	<0.2	1.5	1.5
						1.0	0.4	189	29.6		8.0		23.9		86.6		5.8		4.4		4		87				<0.2		1.4	
					Middle	4.0	0.3	185	29.5	29.5	8.0	8.0	24.2	24.2	86.2	86.2	5.8		6.3		4		87				<0.2		1.4	
						4.0	0.3	190	29.5		8.0		24.2		86.2		5.8		6.4		5		88				<0.2		1.4	
					Bottom	6.9	0.3	176	29.5	29.5	8.0	8.0	24.2	24.2	86.9	87.0	5.8	5.8	8.9		6		90				<0.2		1.5	
						6.9	0.3	178	29.5		8.0		24.2		87.1		5.8		8.9		5		91				<0.2		1.5	
IM8	Fine	Moderate	05:59	7.7	Surface	1.0	0.3	189	29.7	29.7	7.9	7.9	22.9	22.9	88.0	88.0	5.9	5.9	3.8	5.0	3	4	85	89	821819	808140	<0.2	<0.2	1.9	1.9
						1.0	0.3	174	29.7		7.9		22.9		88.0		5.9		3.8		3		84				<0.2		1.8	
					Middle	3.9	0.2	164	29.6	29.6	7.9	7.9	23.4	23.4	87.2	87.2	5.8		4.2		4		89				<0.2		1.9	
						3.9	0.2	173	29.6		7.9		23.4		87.2		5.8		4.2		3		89				<0.2		1.9	
					Bottom	6.7	0.2	166	29.6	29.6	7.9	7.9	23.4	23.4	87.1	87.1	5.8	5.8	7.2		4		93				<0.2		1.9	
						6.7	0.3	176	29.6		7.9		23.4		87.1		5.8		7.0		6		93				<0.2		2.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 October 19 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	05:53	7.1	Surface	1.0	0.2	180	29.7	29.7	7.9	7.9	23.9	23.9	86.0	86.0	5.7	5.7	3.6	4.0	4	5	84	89	822103	808794	<0.2	<0.2	2.0	1.9
						1.0	0.2	171	29.7		7.9		23.9		86.0		5.7		3.6		4		85				<0.2		1.8	
					Middle	3.6	0.2	169	29.6	29.6	7.9	7.9	24.1	24.1	85.8	85.8	5.7		3.8		4		88				<0.2		1.8	
						3.6	0.2	172	29.6		7.9		24.1		85.7		5.7		3.8		4		89				<0.2		1.9	
					Bottom	6.1	0.1	163	29.5	29.5	7.9	7.9	24.4	24.4	84.3	84.4	5.6	5.6	4.8		6		93				<0.2		1.8	
						6.1	0.1	177	29.5		7.9		24.4		84.4		5.6		4.7		6		92				<0.2		1.9	
IM10	Fine	Moderate	05:42	8.3	Surface	1.0	0.1	169	29.7	29.7	7.9	7.9	24.2	24.2	85.2	85.2	5.7	5.7	3.7	4.5	4	5	84	89	822362	809782	<0.2	<0.2	1.9	1.9
						1.0	0.1	170	29.7		7.9		24.2		85.1		5.7		3.7		5		85				<0.2		1.9	
					Middle	4.2	0.1	157	29.6	29.6	7.9	7.9	24.5	24.5	84.2	84.2	5.6		4.0		6		89				<0.2		1.9	
						4.2	0.1	162	29.6		7.9		24.5		84.2		5.6		4.0		5		89				<0.2		2.0	
					Bottom	7.3	0.1	166	29.6	29.6	7.9	7.9	24.7	24.7	83.0	83.1	5.5	5.5	6.0		5		92				<0.2		1.9	
						7.3	0.2	154	29.6		7.9		24.7		83.1		5.5		5.8		5		93				<0.2		1.8	
IM11	Fine	Moderate	05:27	7.6	Surface	1.0	0.1	168	29.7	29.7	7.9	7.9	24.4	24.4	84.4	84.4	5.6	5.6	3.8	5.8	3	3	84	89	822046	811436	<0.2	<0.2	1.8	1.7
						1.0	0.1	157	29.7		7.9		24.4		84.4		5.6		3.8		3		85				<0.2		1.8	
					Middle	3.8	0.1	156	29.6	29.6	7.9	7.9	24.8	24.8	84.0	84.0	5.6		4.7		3		89				<0.2		1.6	
						3.8	0.1	161	29.6		7.9		24.8		84.0		5.6		4.8		4		89				<0.2		1.6	
					Bottom	6.6	0.1	163	29.7	29.7	7.9	7.9	25.5	25.5	82.2	82.2	5.4	5.4	8.9		3		93				<0.2		1.7	
						6.6	0.1	152	29.7		7.9		25.5		82.2		5.4		8.9		3		93				<0.2		1.7	
IM12	Fine	Moderate	05:21	9.6	Surface	1.0	0.0	170	29.7	29.7	7.9	7.9	25.1	25.1	84.7	84.7	5.6	5.6	4.7	9.1	4	6	84	90	821448	812053	<0.2	<0.2	1.6	1.7
						1.0	0.0	158	29.7		7.9		25.1		84.7		5.6		4.6		3		89				<0.2		1.8	
					Middle	4.8	0.1	163	29.5	29.5	7.9	7.9	25.8	25.8	83.7	83.7	5.5		8.3		7		89				<0.2		1.6	
						4.8	0.1	151	29.5		7.9		25.8		83.7		5.5		8.4		6		89				<0.2		1.6	
					Bottom	8.6	0.1	143	29.5	29.5	7.9	7.9	26.2	26.2	83.4	83.5	5.5	5.5	14.4		8		93				<0.2		1.7	
						8.6	0.1	145	29.5		7.9		26.2		83.5		5.5		14.3		8		93				<0.2		1.6	
SR1A	Fine	Moderate	05:01	5.4	Surface	1.0	-	-	29.7	29.7	7.9	7.9	24.9	24.9	85.3	85.3	5.7	5.7	5.5	7.0	3	6	-	-	819980	812666	-	-	-	-
						1.0	-	-	29.7		7.9		25.0		85.2		5.7		5.5		3		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	29.7	29.7	7.9	7.9	25.3	25.3	84.3	84.3	5.6	5.6	8.4		9		-				-		-	
						4.4	-	-	29.7		7.9		25.3		84.3		5.6		8.7		8		-				-		-	
SR2	Fine	Moderate	04:47	4.7	Surface	1.0	0.0	144	29.7	29.7	7.9	7.9	25.1	25.1	85.2	85.2	5.6	5.6	5.8	6.7	5	7	84	86	821448	814161	<0.2	<0.2	1.6	1.6
						1.0	0.0	151	29.7		7.9		25.1		85.2		5.6		5.8		5		84				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	144	29.7	29.7	7.9	7.9	25.4	25.4	84.4	84.4	5.6	5.6	7.5		8		89				<0.2		1.5	
						3.7	0.0	157	29.7		7.9		25.4		84.4		5.6		7.5		10		88				<0.2		1.6	
SR3	Fine	Moderate	06:05	8.4	Surface	1.0	0.3	177	29.7	29.7	7.8	7.8	22.9	22.9	86.3	86.4	5.8	5.7	3.4	4.2	3	3	-	-	822128	807592	-	-	-	-
						1.0	0.3	175	29.7		7.8		22.9		86.4		5.8		3.3		2		-				-		-	
					Middle	4.2	0.2	185	29.6	29.6	7.8	7.8	24.3	24.3	84.1	84.1	5.6		4.4		3		-				-		-	
						4.2	0.2	194	29.6		7.8		24.3		84.1		5.6		4.4		3		-				-		-	
					Bottom	7.4	0.2	164	29.6	29.6	7.8	7.8	24.5	24.5	83.6	83.6	5.6	5.6	4.9		3		-				-		-	
						7.4	0.2	157	29.6		7.8		24.5		83.6		5.6		4.9		4		-				-		-	
SR4A	Fine	Moderate	05:38	8.4	Surface	1.0	0.7	73	29.4	29.4	8.0	8.0	27.7	27.7	80.9	80.9	5.3	5.3	13.2	15.2	19	19	-	-	817199	807828	-	-	-	-
						1.0	0.8	81	29.4		8.0		27.7		80.9		5.3		13.2		19		-				-		-	
					Middle	4.2	0.7	76	29.4	29.4	8.0	8.0	27.7	27.7	81.2	81.3	5.3		14.9		18		-				-		-	
						4.2	0.7	84	29.4		8.0		27.7		81.3		5.3		14.9		19		-				-		-	
					Bottom	7.4	0.5	74	29.4	29.4	8.0	8.0	27.7	27.7	82.5	82.6	5.4	5.4	17.4		21		-				-		-	
						7.4	0.6	85	29.4		8.0		27.7		82.7		5.4		17.4		20		-				-		-	
SR5A	Fine	Moderate	05:24	4.7	Surface	1.0	0.4	71	29.6	29.6	8.0	8.0	27.7	27.7	83.6	83.7	5.5	5.5	11.5	12.1	8	10	-	-	816602	810699	-	-	-	-
						1.0	0.4	85	29.6		8.0		27.7		83.7		5.5		11.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	78	29.6	29.6	8.0	8.0	27.7	27.7	84.4	84.4	5.5	5.5	12.8		12		-				-		-	
						3.7	0.4	99	29.6		8.0		27.7		84.4		5.5		12.9		12		-				-		-	
SR6A	Fine	Moderate	04:49	4.8	Surface	1.0	0.1	82	29.3	29.3	7.9	7.9	27.2	27.2	78.2	78.3	5.2	5.2	5.8	7.5	6	6	-	-	817963	814734	-	-	-	-
						1.0	0.1	101	29.3		7.9		27.2		78.4		5.2		5.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	70	29.5	29.5	7.9	7.9	27.5	27.5	77.5	77.6	5.1	5.1	9.3		5		-				-		-	
						3.8	0.0	82	29.5		7.9		27.5		77.6		5.1		9.3		5		-				-		-	
SR7	Fine	Moderate	03:39	14.5	Surface	1.0	0.4	71	29.6	29.6	7.9	7.9	27.0	27.0	82.1	82.1	5.4	5.4	4.3	4.8	4	4	-	-	823650	823764	-	-	-	-
						1.0	0.5	74	29.6		7.9		27.0		82.1		5.4		4.3		3		-				-		-	
					Middle	7.3	0.3	346	29.6	29.6	7.9	7.9	27.2	27.2	80.9	80.9	5.3		4.7		4		-				-		-	
						7.3	0.3	318	29.6		7.9		27.2		80.9		5.3		4.7		5		-				-		-	
					Bottom	13.5	0.2	59	29.5	29.5	7.9	7.9	27.3	27.3	80.5	80.6	5.3	5.3	5.3		5		-				-		-	
						13.5	0.2	63	29.5		7.9		27.3		80.6		5.3		5.2		5		-				-		-	
SR8	Fine	Moderate	05:12	4.2	Surface	1.0	-	-	29.7	29.7	7.9	7.9	24.8	24.8	85.6	85.6	5.7	5.7	5.5	6.8	4	6	-	-	820395	811609	-	-	-	-
						1.0	-	-	29.7		7.9		24.9		85.6		5.7		5.5		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	29.7	29.7	7.9	7.9	25.2	25.2	84.4	84.4	5.6	5.6	8.2		7		-				-		-	
						3.2	-	-	29.7		7.9		25.2		84.4		5.6		8.2		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 05 October 19 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	12:42	8.2	Surface	1.0	0.3	45	29.5	29.5	8.0	8.0	26.6	26.6	84.7	84.7	5.6	5.6	6.8	9.7	11	11	86	88	815618	804235	<0.2	<0.2	1.0	1.1
						1.0	0.3	45	29.5		8.0		26.6		84.6		5.6		6.7		11		87				<0.2		1.0	
					Middle	4.1	0.3	45	29.3	29.3	8.0	8.0	27.4	27.3	83.9	84.0	5.5		8.0		11		88				<0.2		1.0	
						4.1	0.3	45	29.3		8.0		27.3		84.0		5.5		8.0		11		87				<0.2		1.1	
					Bottom	7.2	0.3	20	29.3	29.3	8.0	8.0	28.0	28.0	81.4	81.5	5.3	5.3	14.3		12		91				<0.2		1.2	
						7.2	0.3	21	29.3		8.0		28.0		81.5		5.3		14.3		12		90				<0.2		1.1	
C2	Fine	Moderate	11:44	9.8	Surface	1.0	0.3	199	29.7	29.7	7.8	7.8	21.7	21.7	83.5	83.4	5.6	5.4	3.6	7.3	3	4	87	91	825684	806932	<0.2	<0.2	2.6	2.8
						1.0	0.4	205	29.7		7.8		21.8		83.3		5.6		3.6		3		87				<0.2		2.8	
					Middle	4.9	0.2	232	29.7	29.7	7.9	7.9	25.9	25.9	77.1	77.1	5.1		5.8		4		90				<0.2		2.8	
						4.9	0.2	249	29.7		7.9		25.9		77.1		5.1		5.8		5		91				<0.2		2.8	
					Bottom	8.8	0.2	318	29.7	29.7	7.9	7.9	26.5	26.5	76.1	76.1	5.0	5.0	12.4		4		94				<0.2		2.8	
						8.8	0.2	330	29.7		7.9		26.5		76.1		5.0		12.4		5		95				<0.2		2.7	
C3	Fine	Moderate	13:47	10.8	Surface	1.0	0.2	228	30.1	30.1	7.9	7.9	26.9	26.9	85.4	85.4	5.6	5.5	3.6	4.2	4	5	87	91	822092	817785	<0.2	<0.2	1.5	1.4
						1.0	0.2	242	30.1		7.9		26.9		85.3		5.6		3.6		4		87				<0.2		1.6	
					Middle	5.4	0.3	256	29.9	29.9	7.9	7.9	27.2	27.2	82.4	82.3	5.4		3.7		4		91				<0.2		1.4	
						5.4	0.3	278	29.8		7.9		27.3		82.2		5.4		3.7		5		90				<0.2		1.3	
					Bottom	9.8	0.4	287	29.5	29.5	8.0	8.0	29.1	29.1	75.2	75.3	4.9	4.9	5.4		5		95				<0.2		1.3	
						9.8	0.4	298	29.5		8.0		29.1		75.3		4.9		5.5		5		94				<0.2		1.5	
IM1	Fine	Moderate	12:29	5.7	Surface	1.0	0.3	327	29.8	29.8	8.0	8.0	27.7	27.7	86.7	86.7	5.6	5.6	3.4	6.0	8	8	86	88	817947	807139	<0.2	<0.2	1.1	1.1
						1.0	0.4	327	29.8		8.0		27.7		86.6		5.6		3.4		8		85				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.3	345	29.4	29.4	8.0	8.0	28.2	28.2	83.2	83.3	5.4	5.5	8.8		7		90				<0.2		1.0	
						4.7	0.3	317	29.4		8.0		28.2		83.4		5.5		8.5		7		90				<0.2		1.1	
IM2	Fine	Moderate	12:24	7.2	Surface	1.0	0.2	337	29.9	29.9	8.0	8.0	27.0	27.0	87.1	87.1	5.7	5.5	4.2	7.8	8	8	86	88	818150	806159	<0.2	<0.2	1.1	1.1
						1.0	0.2	310	29.9		8.0		27.0		87.0		5.7		4.2		7		86				<0.2		1.2	
					Middle	3.6	0.3	340	29.6	29.6	8.0	8.0	28.0	28.1	81.5	81.4	5.3		8.7		8		87				<0.2		1.2	
						3.6	0.3	350	29.5		8.0		28.1		81.2		5.3		8.7		9		88				<0.2		1.0	
					Bottom	6.2	0.2	344	29.3	29.3	8.0	8.0	28.6	28.6	80.7	80.8	5.3	5.3	10.6		8		91				<0.2		1.0	
						6.2	0.2	359	29.3		8.0		28.6		80.8		5.3		10.6		8		90				<0.2		1.1	
IM3	Fine	Moderate	12:18	7.3	Surface	1.0	0.3	332	29.8	29.8	8.0	8.0	26.9	26.9	87.0	87.0	5.7	5.7	4.2	5.9	8	9	86	88	818796	805596	<0.2	<0.2	1.2	1.2
						1.0	0.3	339	29.8		8.0		26.9		87.0		5.7		4.2		9		87				<0.2		1.3	
					Middle	3.7	0.3	321	29.8	29.8	8.0	8.0	27.0	27.1	86.5	86.5	5.7		3.7		9		87				<0.2		1.2	
						3.7	0.3	330	29.7		8.0		27.1		86.4		5.7		3.7		9		87				<0.2		1.3	
					Bottom	6.3	0.2	331	29.3	29.3	8.0	8.0	28.1	28.1	80.9	81.0	5.3	5.3	9.8		8		90				<0.2		1.2	
						6.3	0.2	347	29.3		8.0		28.1		81.0		5.3		9.8		8		91				<0.2		1.2	
IM4	Fine	Moderate	12:09	7.0	Surface	1.0	0.4	306	29.5	29.5	8.0	8.0	27.3	27.3	85.2	85.2	5.6	5.6	4.3	5.1	11	10	86	88	819734	804604	<0.2	<0.2	1.2	1.2
						1.0	0.4	328	29.5		8.0		27.3		85.2		5.6		4.3		10		87				<0.2		1.2	
					Middle	3.5	0.4	316	29.5	29.5	8.0	8.0	27.4	27.4	84.5	84.5	5.5		4.4		10		88				<0.2		1.2	
						3.5	0.5	328	29.5		8.0		27.4		84.4		5.5		4.5		9		87				<0.2		1.2	
					Bottom	6.0	0.2	316	29.4	29.4	8.0	8.0	27.8	27.8	83.4	83.5	5.5	5.5	6.7		9		91				<0.2		1.3	
						6.0	0.3	341	29.4		8.0		27.8		83.6		5.5		6.4		9		90				<0.2		1.1	
IM5	Fine	Moderate	12:01	7.2	Surface	1.0	0.4	314	29.5	29.5	8.0	8.0	25.5	25.5	84.8	84.8	5.6	5.5	6.1	7.8	9	10	86	88	820729	804887	<0.2	<0.2	1.1	1.1
						1.0	0.4	318	29.5		8.0		25.5		84.7		5.6		6.0		10		87				<0.2		1.2	
					Middle	3.6	0.4	335	29.4	29.4	8.0	8.0	27.9	27.8	81.3	81.3	5.3		7.4		10		88				<0.2		1.1	
						3.6	0.4	340	29.4		8.0		27.8		81.3		5.3		7.3		10		87				<0.2		1.2	
					Bottom	6.2	0.3	347	29.3	29.3	8.0	8.0	28.0	28.0	82.5	82.6	5.4	5.4	9.9		10		90				<0.2		1.1	
						6.2	0.3	357	29.3		8.0		28.0		82.6		5.4		9.9		11		91				<0.2		1.1	
IM6	Fine	Moderate	11:54	7.4	Surface	1.0	0.4	304	29.6	29.6	8.0	8.0	24.0	24.0	87.1	87.1	5.8	5.8	4.6	6.6	9	9	86	88	821062	805823	<0.2	<0.2	1.0	1.1
						1.0	0.4	323	29.6		8.0		24.0		87.1		5.8		4.7		8		85				<0.2		1.1	
					Middle	3.7	0.4	301	29.6	29.6	8.0	8.0	24.0	24.0	87.2	87.2	5.8		5.7		9		87				<0.2		1.1	
						3.7	0.4	308	29.6		8.0		24.0		87.2		5.8		6.0		8		88				<0.2		1.1	
					Bottom	6.4	0.3	305	29.5	29.5	8.0	8.0	24.0	24.0	89.3	89.5	6.0	6.0	9.5		9		90				<0.2		1.1	
						6.4	0.3	314	29.5		8.0		24.0		89.6		6.0		9.5		9		91				<0.2		1.2	
IM7	Fine	Moderate	11:47	8.0	Surface	1.0	0.4	272	29.6	29.6	8.0	8.0	24.0	24.0	86.1	86.1	5.7	5.7	4.6	6.5	8	7	85	88	821341	806834	<0.2	<0.2	1.1	1.1
						1.0	0.4	283	29.6		8.0		24.0		86.0		5.7		4.8		7		86				<0.2		1.1	
					Middle	4.0	0.4	275	29.5	29.5	8.0	8.0	24.2	24.2	85.7	85.7	5.7		6.1		8		87				<0.2		1.1	
						4.0	0.4	286	29.5		8.0		24.2		85.6		5.7		6.7		7		87				<0.2		1.1	
					Bottom	7.0	0.3	285	29.5	29.6	8.0	8.0	24.2	24.1	86.1	86.2	5.7	5.8	8.5		7		90				<0.2		1.1	
						7.0	0.3	299	29.6		8.0		24.1		86.2		5.8		8.5		7		90				<0.2		1.1	
IM8	Fine	Moderate	12:13	7.7	Surface	1.0	0.2	224	30.0	30.0	7.9	7.9	22.6	22.6	88.9	89.0	5.9	5.9	3.2	5.7	8	7	88	91	821810	808120	<0.2	<0.2	2.5	2.6
						1.0	0.2	234	30.0		7.9		22.6		89.0		5.9		3.2		6		87				<0.2		2.6	
					Middle	3.9	0.2	254	29.8	29.8	7.9	7.9	23.1	23.1	88.6	88.6	5.9		3.6		7		91				<0.2		2.7	
						3.9	0.2	272	29.8		7.9		23.1		88.6		5.9		3.6		7		91				<0.2		2.6	
					Bottom	6.7	0.2	292	29.6	29.6	7.9	7.9	23.8	23.8	86.6	86.6	5.8	5.8	10.7		6		95				<0.2		2.7	
						6.7	0.2	320	29.6		7.9		23.8		86.5		5.8		10.0		7		95				<0.2		2.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 October 19 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	12:21	7.3	Surface	1.0	0.1	277	30.0	30.0	7.9	7.9	23.6	23.6	88.5	88.6	5.9	5.8	3.5	5.7	10	11	87	91	822076	808788	<0.2	<0.2	2.6	2.6
						1.0	0.1	300	30.0		7.9		23.6		88.6		5.9		3.5		9		87				<0.2		2.6	
					Middle	3.7	0.1	281	29.5	29.5	7.9	7.9	24.2	24.2	85.0	85.1	5.7		6.7		10		91				<0.2		2.7	
						3.7	0.1	283	29.5		7.9		24.2		85.1		5.7		6.7		11		91				<0.2		2.6	
					Bottom	6.3	0.2	286	29.5	29.5	7.9	7.9	24.3	24.3	84.7	84.7	5.7	5.7	6.8		11		95				<0.2		2.6	
						6.3	0.2	286	29.5		7.9		24.3		84.7		5.7		6.8		12		95				<0.2		2.7	
IM10	Fine	Moderate	12:30	7.5	Surface	1.0	0.4	303	29.8	29.8	7.9	7.9	24.8	24.8	86.8	86.8	5.8	5.7	5.9	9.4	12	12	87	91	822401	809786	<0.2	<0.2	2.3	2.4
						1.0	0.4	327	29.8		7.9		24.8		86.8		5.8		5.9		11		87				<0.2		2.3	
					Middle	3.8	0.4	306	29.6	29.6	7.9	7.9	25.1	25.1	84.7	84.7	5.6		9.3		11		91				<0.2		2.4	
						3.8	0.4	326	29.6		7.9		25.1		84.6		5.6		9.5		11		91				<0.2		2.4	
					Bottom	6.5	0.3	300	29.6	29.6	7.9	7.9	25.3	25.3	84.0	84.1	5.6	5.6	13.1		12		94				<0.2		2.4	
						6.5	0.3	325	29.6		7.9		25.3		84.1		5.6		12.9		13		95				<0.2		2.3	
IM11	Fine	Moderate	12:42	8.3	Surface	1.0	0.4	301	29.6	29.6	7.9	7.9	25.7	25.7	84.1	84.1	5.6	5.6	8.2	11.3	8	12	86	91	822065	811477	<0.2	<0.2	2.1	2.1
						1.0	0.5	324	29.6		7.9		25.8		84.0		5.6		8.6		9		87				<0.2		2.2	
					Middle	4.2	0.4	300	29.5	29.5	7.9	7.9	25.9	25.9	82.9	82.9	5.5		12.4		13		91				<0.2		2.1	
						4.2	0.4	303	29.5		7.9		25.9		82.9		5.5		12.3		12		91				<0.2		2.0	
					Bottom	7.3	0.3	288	29.5	29.5	8.0	8.0	26.1	26.1	82.4	82.5	5.4	5.5	13.6		14		94				<0.2		2.1	
						7.3	0.3	308	29.5		8.0		26.1		82.5		5.5		12.5		15		95				<0.2		2.0	
IM12	Fine	Moderate	12:51	7.8	Surface	1.0	0.3	275	30.1	30.1	7.9	7.9	25.2	25.2	88.2	88.2	5.8	5.7	4.0	8.1	6	8	87	91	821444	812063	<0.2	<0.2	2.0	2.1
						1.0	0.3	301	30.1		7.9		25.2		88.1		5.8		4.0		7		87				<0.2		2.2	
					Middle	3.9	0.4	275	29.7	29.7	7.9	7.9	25.9	25.9	84.1	84.1	5.5		4.9		7		91				<0.2		2.0	
						3.9	0.5	295	29.7		7.9		25.9		84.1		5.5		4.9		8		91				<0.2		2.0	
					Bottom	6.8	0.3	278	29.5	29.5	7.9	7.9	27.3	27.3	79.0	79.0	5.2	5.2	15.5		10		94				<0.2		2.0	
						6.8	0.4	289	29.5		7.9		27.3		79.0		5.2		15.2		11		95				<0.2		2.1	
SR1A	Fine	Moderate	13:09	5.6	Surface	1.0	-	-	30.3	30.3	7.9	7.9	25.1	25.1	90.2	90.2	5.9	5.9	3.7	7.7	10	10	-	-	819973	812656	-	-	-	-
						1.0	-	-	30.3		7.9		25.1		90.1		5.9		3.7		9		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	29.9	29.9	7.9	7.9	27.3	27.3	78.8	78.9	5.1	5.2	11.5		10		-				-		-	
						4.6	-	-	29.9		7.9		27.3		79.0		5.2		12.0		10		-				-		-	
SR2	Fine	Moderate	13:23	5.0	Surface	1.0	0.2	353	30.0	30.0	7.9	7.9	26.3	26.3	84.8	84.8	5.6	5.6	6.3	9.6	12	14	87	89	821478	814183	<0.2	<0.2	1.6	1.8
						1.0	0.2	358	30.0		7.9		26.3		84.8		5.6		6.3		14		87				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	352	29.7	29.8	7.9	7.9	27.0	27.0	79.7	79.8	5.2	5.2	13.0		14		90				<0.2		2.1	
						4.0	0.2	324	29.8		7.9		27.0		79.8		5.2		12.9		14		90				<0.2		2.0	
SR3	Fine	Moderate	12:06	8.5	Surface	1.0	0.3	209	29.9	29.9	7.8	7.8	22.3	22.3	87.0	87.0	5.8	5.8	3.0	4.4	5	5	-	-	822149	807559	-	-	-	-
						1.0	0.3	211	29.9		7.8		22.3		86.9		5.8		3.0		4		-				-		-	
					Middle	4.3	0.3	227	29.8	29.8	7.8	7.8	23.7	23.7	85.2	85.2	5.7		3.7		5		-				-		-	
						4.3	0.3	233	29.8		7.8		23.7		85.1		5.7		3.7		4		-				-		-	
					Bottom	7.5	0.2	228	29.7	29.7	7.8	7.8	25.0	25.0	82.7	82.8	5.5	5.5	6.6		6		-				-		-	
						7.5	0.2	242	29.7		7.8		25.0		82.8		5.5		6.5		6		-				-		-	
SR4A	Fine	Moderate	12:55	8.8	Surface	1.0	0.2	241	29.8	29.8	8.0	8.0	27.7	27.7	83.0	83.0	5.4	5.4	10.3	13.0	12	13	-	-	817200	807787	-	-	-	-
						1.0	0.2	242	29.8		8.0		27.7		82.9		5.4		10.5		12		-				-		-	
					Middle	4.4	0.1	224	29.7	29.7	8.0	8.0	27.7	27.7	82.5	82.5	5.4		13.5		13		-				-		-	
						4.4	0.1	235	29.7		8.0		27.7		82.5		5.4		13.7		14		-				-		-	
					Bottom	7.8	0.2	223	29.7	29.7	8.0	8.0	27.7	27.7	83.3	83.4	5.4	5.5	14.9		13		-				-		-	
						7.8	0.2	243	29.7		8.0		27.7		83.5		5.5		15.0		13		-				-		-	
SR5A	Fine	Moderate	13:11	4.9	Surface	1.0	0.1	316	29.8	29.8	8.0	8.0	27.5	27.5	84.9	84.9	5.5	5.5	13.3	14.6	10	10	-	-	816586	810719	-	-	-	-
						1.0	0.1	347	29.8		8.0		27.5		85.0		5.5		13.4		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	336	29.8	29.8	8.0	8.0	27.5	27.5	87.5	87.7	5.7	5.7	15.9		9		-				-		-	
						3.9	0.1	340	29.8		8.0		27.5		87.8		5.7		15.9		9		-				-		-	
SR6A	Fine	Moderate	13:36	4.8	Surface	1.0	0.0	150	30.1	30.1	8.0	8.0	26.0	26.1	87.8	87.7	5.8	5.8	3.8	4.3	21	20	-	-	817956	814759	-	-	-	-
						1.0	0.0	163	30.0		8.0		26.1		87.6		5.7		3.9		20		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	76	29.9	29.9	8.0	8.0	26.3	26.3	87.2	87.3	5.7	5.7	4.7		19		-				-		-	
						3.8	0.0	82	29.9		8.0		26.3		87.3		5.7		4.8		20		-				-		-	
SR7	Fine	Moderate	14:19	14.6	Surface	1.0	0.1	250	29.6	29.6	7.9	7.9	28.7	28.7	78.6	78.6	5.2	5.0	3.7	5.3	6	9	-	-	823654	823735	-	-	-	-
						1.0	0.1	272	29.6		7.9		28.7		78.6		5.2		3.6		7		-				-		-	
					Middle	7.3	0.1	241	29.4	29.4	8.0	8.0	30.2	30.2	73.9	73.9	4.8		5.5		9		-				-		-	
						7.3	0.1	251	29.4		8.0		30.2		73.8		4.8		5.5		10		-				-		-	
					Bottom	13.6	0.1	161	29.3	29.3	8.0	8.0	30.8	30.8	75.0	75.1	4.8	4.8	6.9		11		-				-		-	
						13.6	0.1	175	29.3		8.0		30.8		75.1		4.8		6.8		12		-				-		-	
SR8	Fine	Moderate	12:59	4.4	Surface	1.0	-	-	30.3	30.3	7.9	7.9	24.9	24.9	89.4	89.4	5.9	5.9	5.1	11.6	9	10	-	-	820399	811612	-	-	-	-
						1.0	-	-	30.3		7.9		24.9		89.3		5.9		5.2		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	29.5	29.5	7.9	7.9	26.3	26.3	81.7	81.8	5.4	5.4	18.1		9		-				-		-	
						3.4	-	-	29.5		7.9		26.3		81.8		5.4		17.9		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 08 October 19 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	09:36	7.8	Surface	1.0	0.3	231	27.5	27.5	7.9	7.9	26.3	26.3	82.6	82.6	5.6	5.5	4.2	5.8	5	6	83	88	815614	804235	<0.2	<0.2	0.7	0.7
						1.0	0.3	238	27.5		7.9		26.3		82.5		5.6		4.3		6		84				<0.2		0.9	
					Middle	3.9	0.4	220	27.7	27.7	7.8	7.8	26.6	26.6	78.1	78.1	5.3		6.0		6		87				<0.2		0.8	
						3.9	0.4	222	27.7		7.8		26.6		78.1		5.3		6.1		6		87				<0.2		0.6	
					Bottom	6.8	0.2	232	27.7	27.8	7.8	7.8	26.6	26.7	77.0	77.0	5.2	5.2	7.2		7		92				<0.2		0.6	
						6.8	0.2	236	27.8		7.8		26.7		76.9		5.2		7.3		8		92				<0.2		0.6	
C2	Cloudy	Moderate	10:56	8.7	Surface	1.0	0.6	166	29.0	29.0	7.9	7.9	27.2	27.3	84.4	84.3	5.6	5.4	6.1	7.9	6	6	86	89	825672	806940	<0.2	<0.2	1.5	1.5
						1.0	0.7	178	29.0		7.9		27.4		84.2		5.6		6.1		5		86				<0.2		1.4	
					Middle	4.4	0.4	158	29.0	29.0	7.9	7.9	28.2	28.2	78.9	78.9	5.2		9.3		6		89				<0.2		1.4	
						4.4	0.4	169	29.0		7.9		28.3		78.8		5.2		9.2		6		89				<0.2		1.6	
					Bottom	7.7	0.2	167	29.1	29.1	7.8	7.8	29.5	29.5	75.0	75.2	4.9	4.9	8.4		7		91				<0.2		1.6	
						7.7	0.2	175	29.0		7.8		29.5		75.3		4.9		8.4		6		91				<0.2		1.5	
C3	Cloudy	Moderate	08:51	9.6	Surface	1.0	0.4	67	28.9	28.9	7.9	7.9	28.4	28.4	82.0	81.9	5.4	5.0	5.4	5.5	6	5	85	89	822088	817818	<0.2	<0.2	1.0	1.2
						1.0	0.5	73	28.9		7.9		28.4		81.7		5.4		5.3		5		86				<0.2		1.0	
					Middle	4.8	0.4	48	29.1	29.1	7.9	7.9	30.1	30.1	71.0	71.0	4.6		6.8		6		89				<0.2		0.9	
						4.8	0.4	49	29.1		7.9		30.1		71.0		4.6		7.1		5		89				<0.2		1.1	
					Bottom	8.6	0.2	69	29.1	29.1	7.9	7.8	30.6	30.6	72.4	72.5	4.7	4.7	4.1		5		91				<0.2		1.6	
						8.6	0.2	71	29.1		7.8		30.6		72.6		4.7		4.3		5		91				<0.2		1.5	
IM1	Fine	Moderate	10:03	5.2	Surface	1.0	0.2	104	27.7	27.7	7.9	7.9	26.2	26.2	80.6	80.6	5.5	5.5	3.5	4.6	5	5	83	86	817939	807145	<0.2	<0.2	0.7	0.7
						1.0	0.2	112	27.7		7.9		26.2		80.5		5.5		3.5		5		84				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.0	221	27.8	27.8	7.9	7.9	26.5	26.5	78.1	78.3	5.3	5.3	5.8		5		88				<0.2		0.7	
						4.2	0.0	240	27.8		7.9		26.5		78.4		5.3		5.8		6		89				<0.2		0.6	
IM2	Fine	Moderate	10:10	6.8	Surface	1.0	0.2	206	27.5	27.5	7.9	7.9	26.2	26.2	82.7	82.7	5.6	5.6	2.5	3.7	6	6	83	88	818176	806168	<0.2	<0.2	0.6	0.7
						1.0	0.2	209	27.5		7.9		26.2		82.6		5.6		2.5		6		84				<0.2		0.8	
					Middle	3.4	0.2	183	27.6	27.6	7.9	7.9	26.3	26.3	81.5	81.5	5.6		3.5		7		88				<0.2		0.6	
						3.4	0.2	194	27.6		7.9		26.3		81.4		5.6		3.5		6		89				<0.2		0.7	
					Bottom	5.8	0.1	194	27.7	27.7	7.9	7.9	26.5	26.6	77.1	77.1	5.2	5.2	5.1		6		91				<0.2		0.7	
						5.8	0.1	203	27.7		7.9		26.6		77.0		5.2		5.2		7		92				<0.2		0.7	
IM3	Fine	Moderate	10:17	6.7	Surface	1.0	0.1	193	27.7	27.7	7.9	7.9	25.9	25.9	81.4	81.4	5.6	5.5	4.3	5.3	7	7	83	87	818794	805587	<0.2	<0.2	0.8	0.8
						1.0	0.1	195	27.7		7.9		25.9		81.4		5.5		4.3		6		83				<0.2		0.8	
					Middle	3.4	0.2	146	27.7	27.7	7.9	7.9	26.1	26.1	79.5	79.5	5.4		5.6		7		88				<0.2		0.8	
						3.4	0.2	146	27.7		7.9		26.2		79.4		5.4		5.7		6		88				<0.2		0.8	
					Bottom	5.7	0.2	114	27.7	27.7	7.9	7.9	26.5	26.5	79.8	79.9	5.4	5.4	6.0		7		91				<0.2		0.8	
						5.7	0.2	122	27.7		7.9		26.5		80.0		5.4		6.1		7		91				<0.2		0.8	
IM4	Fine	Moderate	10:25	7.6	Surface	1.0	0.7	179	27.8	27.8	7.9	7.9	24.0	24.0	88.0	88.0	6.0	5.9	2.9	4.7	7	7	80	86	819715	804622	<0.2	<0.2	0.8	0.8
						1.0	0.7	188	27.8		7.9		24.0		87.9		6.0		2.9		5		80				<0.2		0.8	
					Middle	3.8	0.6	176	27.5	27.5	7.9	7.9	25.5	25.5	84.5	84.5	5.8		5.3		7		88				<0.2		0.8	
						3.8	0.6	186	27.5		7.9		25.5		84.5		5.8		5.3		6		88				<0.2		0.8	
					Bottom	6.6	0.4	158	27.5	27.5	7.9	7.9	25.4	25.4	86.3	86.5	5.9	5.9	6.0		9		91				<0.2		0.7	
						6.6	0.4	167	27.5		7.9		25.4		86.7		5.9		6.0		9		91				<0.2		0.7	
IM5	Fine	Moderate	10:34	7.5	Surface	1.0	0.7	215	27.8	27.8	7.9	7.9	23.7	23.7	90.5	90.5	6.2	6.0	3.0	4.6	5	5	83	88	820729	804854	<0.2	<0.2	0.8	0.8
						1.0	0.7	232	27.8		7.9		23.7		90.4		6.2		3.1		5		84				<0.2		0.8	
					Middle	3.8	0.7	206	27.6	27.6	7.9	7.9	25.0	25.0	84.4	84.5	5.8		4.1		4		88				<0.2		0.9	
						3.8	0.7	211	27.6		7.9		24.9		84.5		5.8		4.1		4		88				<0.2		0.8	
					Bottom	6.5	0.6	206	27.6	27.6	7.9	7.9	25.7	25.7	81.9	82.0	5.6	5.6	6.6		6		91				<0.2		0.8	
						6.5	0.6	220	27.6		7.9		25.7		82.0		5.6		6.6		5		91				<0.2		0.8	
IM6	Fine	Moderate	10:43	7.4	Surface	1.0	0.4	228	27.9	27.9	7.9	7.9	23.8	23.8	89.0	89.0	6.1	5.9	3.2	5.5	5	5	83	87	821066	805822	<0.2	<0.2	0.8	0.8
						1.0	0.5	247	27.9		7.9		23.8		88.9		6.1		3.2		4		84				<0.2		0.7	
					Middle	3.7	0.4	219	27.7	27.7	7.9	7.9	25.1	25.2	82.5	82.4	5.7		6.2		4		87				<0.2		0.7	
						3.7	0.4	228	27.7		7.9		25.2		82.3		5.6		6.3		5		87				<0.2		0.7	
					Bottom	6.4	0.3	208	27.6	27.6	7.9	7.9	26.0	26.0	81.9	82.0	5.6	5.6	7.1		5		91				<0.2		0.7	
						6.4	0.3	224	27.6		7.9		26.0		82.0		5.6		7.1		6		92				<0.2		0.9	
IM7	Fine	Moderate	10:56	7.3	Surface	1.0	0.4	255	27.8	27.8	7.9	7.9	24.3	24.3	86.4	86.4	5.9	5.7	3.6	5.7	4	4	83	88	821371	806819	<0.2	<0.2	1.0	1.0
						1.0	0.4	277	27.7		7.9		24.4		86.3		5.9		3.6		4		87				<0.2		0.9	
					Middle	3.7	0.4	261	27.6	27.6	7.9	7.9	25.6	25.6	80.5	80.5	5.5		5.8		4		88				<0.2		0.9	
						3.7	0.4	267	27.6		7.9		25.6		80.5		5.5		5.8		5		88				<0.2		0.9	
					Bottom	6.3	0.3	223	27.6	27.6	7.9	7.9	26.2	26.2	81.0	81.1	5.5	5.5	7.8		5		92				<0.2		1.0	
						6.3	0.3	234	27.6		7.9		26.2		81.1		5.5		7.7		5		92				<0.2		1.0	
IM8	Cloudy	Moderate	10:31	7.3	Surface	1.0	0.2	200	29.0	29.0	7.9	7.9	27.3	27.4	91.0	90.9	6.0	5.9	3.7	4.2	4	4	85	88	821811	808127	<0.2	<0.2	1.3	1.3
						1.0	0.2	203	28.9		7.9		27.5		90.8		6.0		3.7		4		85				<0.2		1.4	
					Middle	3.7	0.2	212	28.7	28.7	7.9	7.9	28.3	28.3	85.6	85.7	5.7		4.2		4		88				<0.2		1.2	
						3.7	0.2	226	28.7		7.9		28.3		85.7		5.7		4.2		5		89				<0.2		1.2	
					Bottom	6.3	0.2	209	28.6	28.6	7.9	7.9	28.6	28.6	87.6	87.8	5.8	5.8	4.7		4		90				<0.2		1.2	
						6.3	0.2	222	28.5		7.9		28.7		88.0		5.8		4.7		5		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 08 October 19 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	10:25	6.7	Surface	1.0	0.2	132	28.8	28.8	7.9	7.9	28.0	28.0	85.3	85.3	5.6	5.6	4.0	4.5	4	5	85	88	822109	808815	<0.2	<0.2	1.2	1.3
						1.0	0.2	134	28.8		7.9		28.1		85.2		5.6		4.1		4		85				<0.2		1.1	
					Middle	3.4	0.2	106	28.8	28.8	7.9	7.9	28.2	28.2	84.7	84.6	5.6		4.3		5		89				<0.2		1.4	
						3.4	0.2	109	28.7		7.9		28.3		84.5		5.6		4.4		5		89				<0.2		1.2	
					Bottom	5.7	0.2	117	28.7	28.7	7.9	7.9	28.7	28.6	85.1	85.4	5.6	5.7	5.1		5		90				<0.2		1.4	
						5.7	0.2	127	28.7		7.9		28.6		85.7		5.7		4.9		5		90				<0.2		1.5	
IM10	Cloudy	Moderate	10:13	6.8	Surface	1.0	0.5	116	29.1	29.1	7.9	7.9	27.5	27.6	86.7	86.5	5.7	5.6	3.5	7.3	5	4	86	89	822397	809807	<0.2	<0.2	1.2	1.2
						1.0	0.5	122	29.1		7.9		27.7		86.2		5.7		3.4		4		86				<0.2		1.2	
					Middle	3.4	0.5	104	28.7	28.7	7.9	7.9	28.5	28.5	83.6	83.6	5.5		7.9		4		88				<0.2		1.1	
						3.4	0.5	106	28.7		7.9		28.6		83.6		5.5		8.0		4		89				<0.2		1.2	
					Bottom	5.8	0.3	89	28.7	28.7	7.9	7.9	28.7	28.7	85.2	85.3	5.6	5.6	10.6		4		91				<0.2		1.3	
						5.8	0.3	96	28.7		7.9		28.7		85.4		5.6		10.6		5		91				<0.2		1.2	
IM11	Cloudy	Moderate	10:02	7.8	Surface	1.0	0.5	114	29.1	29.1	7.9	7.9	27.7	27.7	86.3	86.3	5.7	5.7	3.2	5.2	5	5	85	88	822074	811471	<0.2	<0.2	1.2	1.2
						1.0	0.5	118	29.1		7.9		27.7		86.3		5.7		3.3		5		85				<0.2		1.1	
					Middle	3.9	0.5	108	28.8	28.8	7.9	7.9	28.0	28.0	84.3	84.2	5.6		4.9		5		89				<0.2		1.2	
						3.9	0.5	117	28.8		7.9		28.1		84.1		5.6		5.2		4		89				<0.2		1.1	
					Bottom	6.8	0.3	108	28.8	28.8	7.9	7.9	28.5	28.5	84.5	84.8	5.6	5.6	7.5		4		89				<0.2		1.2	
						6.8	0.4	113	28.8		7.9		28.5		85.0		5.6		7.3		5		89				<0.2		1.1	
IM12	Cloudy	Moderate	09:51	9.4	Surface	1.0	0.5	116	28.9	28.9	7.9	7.9	27.8	27.8	84.9	84.8	5.6	5.5	3.9	7.8	5	5	84	88	821461	812043	<0.2	<0.2	1.0	1.1
						1.0	0.5	122	28.9		7.9		27.8		84.6		5.6		4.1		6		85				<0.2		1.0	
					Middle	4.7	0.4	112	28.8	28.8	7.8	7.8	28.4	28.5	82.4	82.3	5.4		7.2		5		88				<0.2		1.1	
						4.7	0.4	115	28.8		7.8		28.5		82.2		5.4		8.0		5		89				<0.2		1.0	
					Bottom	8.4	0.2	92	28.8	28.8	7.8	7.8	28.7	28.7	84.8	85.1	5.6	5.6	11.9		5		90				<0.2		1.0	
						8.4	0.2	100	28.8		7.8		28.7		85.3		5.6		12.0		6		90				<0.2		1.2	
SR1A	Cloudy	Calm	09:32	4.9	Surface	1.0	-	-	28.9	28.9	7.8	7.8	27.9	27.9	81.1	80.9	5.4	5.4	5.1	7.2	5	6	-	-	819976	812655	-	-	-	-
						1.0	-	-	28.9		7.8		27.9		80.7		5.3		5.4		6		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.9	28.9	7.7	7.7	28.4	28.4	78.6	78.6	5.2	5.2	9.1		6		-				-		-	
						3.9	-	-	28.9		7.7		28.4		78.5		5.2		9.3		6		-				-		-	
SR2	Cloudy	Moderate	09:17	4.3	Surface	1.0	0.3	86	28.9	29.0	7.9	7.9	28.1	28.1	80.9	80.9	5.3	5.3	4.4	6.3	6	6	84	87	821451	814150	<0.2	<0.2	1.3	1.3
						1.0	0.3	93	29.0		7.9		28.2		80.8		5.3		4.7		5		84				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	86	29.1	29.1	7.9	7.9	28.9	28.9	74.6	74.7	4.9	4.9	8.1		5		89				<0.2		1.3	
						3.3	0.2	91	29.1		7.9		28.9		74.7		4.9		8.1		6		89				<0.2		1.2	
SR3	Cloudy	Moderate	10:36	8.3	Surface	1.0	0.4	180	29.0	29.0	8.0	8.0	27.4	27.5	87.8	87.7	5.8	5.6	4.8	5.8	6	6	-	-	822166	807558	-	-	-	-
						1.0	0.4	185	29.0		8.0		27.6		87.6		5.8		4.9		6		-				-		-	
					Middle	4.2	0.2	213	28.7	28.7	7.9	7.9	28.9	29.0	81.6	81.4	5.4		5.6		6		-				-		-	
						4.2	0.2	214	28.7		7.9		29.1		81.2		5.4		5.7		4		-				-		-	
					Bottom	7.3	0.2	264	28.7	28.7	7.9	7.9	29.6	29.6	81.3	81.5	5.3	5.4	6.7		6		-				-		-	
						7.3	0.2	275	28.7		7.9		29.6		81.6		5.4		6.9		7		-				-		-	
SR4A	Fine	Moderate	09:12	9.5	Surface	1.0	0.1	245	27.4	27.4	7.8	7.8	24.9	25.0	78.3	78.4	5.4	5.4	2.9	4.3	4	5	-	-	817174	807791	-	-	-	-
						1.0	0.1	259	27.4		7.8		25.0		78.5		5.4		3.0		5		-				-		-	
					Middle	4.8	0.1	261	27.5	27.5	7.8	7.8	26.5	26.5	79.2	79.2	5.4		4.7		5		-				-		-	
						4.8	0.1	277	27.5		7.8		26.5		79.2		5.4		4.7		4		-				-		-	
					Bottom	8.5	0.1	266	27.7	27.7	7.8	7.8	26.6	26.6	78.6	78.8	5.3	5.4	5.2		6		-				-		-	
						8.5	0.1	273	27.6		7.8		26.6		78.9		5.4		5.2		7		-				-		-	
SR5A	Fine	Moderate	08:57	4.2	Surface	1.0	0.0	36	27.2	27.2	7.8	7.8	23.8	23.7	81.1	81.1	5.7	5.7	4.0	3.7	6	6	-	-	816614	810678	-	-	-	-
						1.0	0.0	36	27.2		7.8		23.7		81.0		5.6		4.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	115	27.7	27.7	7.8	7.8	25.3	25.3	79.3	79.4	5.4	5.4	3.3		7		-				-		-	
						3.2	0.1	120	27.7		7.8		25.3		79.4		5.4		3.4		7		-				-		-	
SR6A	Fine	Moderate	08:31	4.5	Surface	1.0	0.1	253	27.9	27.9	7.8	7.8	24.3	24.3	76.2	76.2	5.2	5.2	4.3	3.9	8	8	-	-	817968	814762	-	-	-	-
						1.0	0.1	271	27.9		7.8		24.3		76.2		5.2		4.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	275	28.0	28.0	7.8	7.8	25.1	25.1	77.6	77.7	5.3	5.3	3.5		8		-				-		-	
						3.5	0.0	285	28.0		7.8		25.1		77.7		5.3		3.5		8		-				-		-	
SR7	Cloudy	Moderate	08:09	14.5	Surface	1.0	0.5	73	28.8	28.8	7.9	7.9	29.0	29.0	80.5	80.5	5.3	5.1	3.0	2.9	3	4	-	-	823645	823743	-	-	-	-
						1.0	0.5	77	28.8		7.9		29.0		80.4		5.3		3.0		4		-				-		-	
					Middle	7.3	0.2	16	29.0	29.0	7.9	7.9	31.1	31.1	74.1	74.1	4.8		2.9		3		-				-		-	
						7.3	0.2	17	29.0		7.9		31.1		74.1		4.8		2.9		4		-				-		-	
					Bottom	13.5	0.2	1	29.0	29.0	7.9	7.9	31.3	31.3	75.3	75.4	4.9	4.9	3.0		4		-				-		-	
						13.5	0.2	1	29.0		7.9		31.3		75.5		4.9		3.0		4		-				-		-	
SR8	Cloudy	Calm	09:42	5.1	Surface	1.0	-	-	28.9	28.9	7.9	7.9	28.1	28.1	85.4	85.5	5.6	5.6	5.1	5.0	3	4	-	-	820408	811617	-	-	-	-
						1.0	-	-	28.9		7.9		28.1		85.5		5.6		5.1		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.9	28.9	7.8	7.8	28.1	28.1	86.6	86.8	5.7	5.7	5.0		6		-				-		-	
						4.1	-	-	28.9		7.8		28.1		86.9		5.7		5.0		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 October 19 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	16:33	7.0	Surface	1.0	0.2	37	27.8	27.8	7.9	7.9	26.3	26.3	84.2	84.2	5.7	5.7	3.5	5.7	4	6	83	88	815633	804229	<0.2	<0.2	0.6	0.6
						1.0	0.2	40	27.8		7.9		26.3		84.2		5.7		3.5		5		84				<0.2		0.6	
					Middle	3.5	0.1	50	27.8	27.8	7.9	7.9	26.4	26.4	83.1	83.0	5.6		4.7		5		87				<0.2		0.6	
						3.5	0.1	45	27.8		7.9		26.4		82.9		5.6		4.7		5		88				<0.2		0.5	
					Bottom	6.0	0.1	28	27.8	27.8	7.9	7.9	26.7	26.7	78.2	78.3	5.3	5.3	8.8		8		91				<0.2		0.6	
						6.0	0.1	27	27.8		7.9		26.7		78.3		5.3		8.8		9		92				<0.2		0.6	
C2	Cloudy	Moderate	15:28	8.5	Surface	1.0	0.6	67	29.0	29.0	7.9	7.9	26.9	27.1	83.9	83.8	5.6	5.3	5.1	7.8	2	3	84	87	825664	806921	<0.2	<0.2	1.1	1.3
						1.0	0.6	68	29.0		7.9		27.2		83.7		5.5		5.0		3		85				<0.2		1.0	
					Middle	4.3	0.3	63	29.0	29.0	7.9	7.9	28.6	28.7	77.1	77.1	5.1		9.7		3		88				<0.2		1.3	
						4.3	0.4	64	29.0		7.9		28.7		77.0		5.1		9.5		3		88				<0.2		1.4	
					Bottom	7.5	0.2	53	29.1	29.1	7.9	7.9	29.4	29.4	72.4	72.5	4.7	4.7	8.8		3		89				<0.2		1.4	
						7.5	0.2	56	29.1		7.9		29.4		72.6		4.7		8.8		3		90				<0.2		1.4	
C3	Cloudy	Moderate	17:28	11.6	Surface	1.0	0.1	274	29.5	29.5	7.9	7.9	28.7	28.7	84.1	84.1	5.5	5.4	4.0	5.7	2	3	85	88	822094	817800	<0.2	<0.2	1.7	1.6
						1.0	0.1	299	29.5		7.9		28.8		84.1		5.5		4.1		3		86				<0.2		1.7	
					Middle	5.8	0.2	244	29.2	29.2	7.9	7.9	29.1	29.1	79.1	79.1	5.2		5.5		3		88				<0.2		1.6	
						5.8	0.2	261	29.2		7.9		29.2		79.0		5.2		5.9		2		89				<0.2		1.6	
					Bottom	10.6	0.1	222	29.2	29.2	7.9	7.9	29.5	29.4	74.0	74.3	4.8	4.9	7.3		3		90				<0.2		1.6	
						10.6	0.1	223	29.2		7.9		29.4		74.5		4.9		7.3		3		90				<0.2		1.6	
IM1	Cloudy	Rough	16:04	4.8	Surface	1.0	0.1	64	27.9	27.9	7.9	7.9	26.3	26.3	77.7	77.6	5.3	5.3	3.6	4.5	6	7	83	87	817950	807121	<0.2	<0.2	1.0	0.9
						1.0	0.1	68	27.9		7.9		26.3		77.5		5.3		3.7		7		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	61	27.8	27.8	7.9	7.9	26.6	26.6	76.9	76.9	5.2	5.2	5.4		7		91				<0.2		0.9	
						3.8	0.0	63	27.8		7.9		26.6		76.9		5.2		5.4		7		91				<0.2		0.8	
IM2	Cloudy	Rough	15:59	7.1	Surface	1.0	0.2	86	27.8	27.8	7.9	7.9	25.7	25.7	82.3	82.3	5.6	5.6	2.4	5.1	7	8	86	88	818171	806147	<0.2	<0.2	0.9	0.9
						1.0	0.2	90	27.8		7.9		25.7		82.2		5.6		2.5		6		85				<0.2		0.9	
					Middle	3.6	0.1	57	27.7	27.7	7.9	7.9	26.1	26.1	80.5	80.4	5.5		4.8		6		88				<0.2		1.0	
						3.6	0.1	56	27.7		7.9		26.2		80.2		5.5		4.8		7		90				<0.2		0.9	
					Bottom	6.1	0.1	34	27.7	27.7	7.9	7.9	26.6	26.6	78.1	78.1	5.3	5.3	8.1		10		89				<0.2		0.9	
						6.1	0.1	36	27.7		7.9		26.6		78.0		5.3		8.1		11		90				<0.2		0.9	
IM3	Cloudy	Rough	15:53	6.9	Surface	1.0	0.2	22	28.1	28.1	7.9	7.9	24.9	24.9	91.0	91.0	6.2	5.9	5.0	7.4	6	7	84	88	818771	805570	<0.2	<0.2	1.0	1.0
						1.0	0.2	23	28.0		7.9		25.0		90.9		6.2		5.0		6		85				<0.2		1.0	
					Middle	3.5	0.1	22	27.7	27.7	7.9	7.9	25.8	25.8	81.7	81.7	5.6		7.3		7		88				<0.2		1.0	
						3.5	0.1	24	27.7		7.9		25.8		81.7		5.6		7.3		7		89				<0.2		0.9	
					Bottom	5.9	0.0	66	27.7	27.7	7.9	7.9	25.8	25.8	81.3	81.3	5.5	5.5	9.8		9		90				<0.2		0.9	
						5.9	0.0	62	27.7		7.9		25.8		81.2		5.5		9.8		8		89				<0.2		0.9	
IM4	Cloudy	Rough	15:46	7.8	Surface	1.0	0.8	75	27.8	27.8	7.9	7.9	24.3	24.3	86.8	86.8	6.0	5.9	4.6	7.1	5	7	86	88	819738	804592	<0.2	<0.2	0.9	1.0
						1.0	0.8	73	27.8		7.9		24.3		86.7		5.9		4.6		5		85				<0.2		1.0	
					Middle	3.9	0.6	73	27.7	27.7	7.9	7.9	24.7	24.7	85.3	85.3	5.9		7.3		8		88				<0.2		1.0	
						3.9	0.7	76	27.7		7.9		24.7		85.3		5.9		7.3		7		88				<0.2		1.0	
					Bottom	6.8	0.5	82	27.7	27.7	7.9	7.9	24.8	24.8	86.0	86.0	5.9	5.9	9.4		8		91				<0.2		0.9	
						6.8	0.5	89	27.7		7.9		24.8		86.0		5.9		9.4		8		90				<0.2		1.0	
IM5	Cloudy	Rough	15:40	7.2	Surface	1.0	0.7	69	27.7	27.7	7.9	7.9	23.8	23.7	89.0	89.0	6.1	5.9	3.7	5.0	6	5	85	87	820758	804883	<0.2	<0.2	0.9	0.9
						1.0	0.7	63	27.7		7.9		23.7		88.9		6.1		3.8		6		85				<0.2		0.9	
					Middle	3.6	0.6	64	27.7	27.7	7.9	7.9	25.3	25.3	82.6	82.6	5.6		5.3		4		88				<0.2		0.9	
						3.6	0.7	66	27.7		7.9		25.3		82.6		5.6		5.3		5		87				<0.2		0.9	
					Bottom	6.2	0.4	68	27.7	27.7	7.9	7.9	25.5	25.5	83.1	83.2	5.7	5.7	6.0		4		89				<0.2		0.9	
						6.2	0.5	62	27.7		7.9		25.5		83.2		5.7		6.0		5		90				<0.2		0.9	
IM6	Cloudy	Rough	15:34	7.5	Surface	1.0	0.5	56	27.9	27.9	7.9	7.9	24.0	24.0	87.8	87.8	6.0	6.0	3.3	4.9	6	6	86	88	821041	805827	<0.2	<0.2	1.2	1.2
						1.0	0.5	57	27.9		7.9		24.0		87.7		6.0		3.3		6		85				<0.2		1.2	
					Middle	3.8	0.4	53	27.7	27.7	7.9	7.9	24.4	24.4	86.5	86.5	5.9		3.6		6		87				<0.2		1.1	
						3.8	0.4	54	27.7		7.9		24.4		86.4		5.9		3.6		6		88				<0.2		1.2	
					Bottom	6.5	0.4	49	27.7	27.8	7.9	7.9	24.5	24.5	86.2	86.3	5.9	5.9	7.7		7		90				<0.2		1.1	
						6.5	0.4	50	27.8		7.9		24.5		86.3		5.9		7.8		7		91				<0.2		1.2	
IM7	Cloudy	Rough	15:28	7.6	Surface	1.0	0.4	53	27.8	27.8	7.9	7.9	24.0	24.1	86.1	86.1	5.9	5.7	3.5	5.0	5	6	87	88	821335	806849	<0.2	<0.2	1.1	1.1
						1.0	0.4	56	27.8		7.9		24.1		86.1		5.9		3.5		5		86				<0.2		1.1	
					Middle	3.8	0.4	40	27.6	27.6	7.9	7.9	25.7	25.7	80.2	80.2	5.5		5.2		5		88				<0.2		1.1	
						3.8	0.4	39	27.6		7.9		25.7		80.2		5.5		5.2		6		89				<0.2		1.1	
					Bottom	6.6	0.3	43	27.6	27.6	7.9	7.9	25.8	25.8	81.3	81.4	5.6	5.6	6.3		6		90				<0.2		1.1	
						6.6	0.3	48	27.6		7.9		25.8		81.5		5.6		6.3		6		89				<0.2		1.1	
IM8	Cloudy	Rough	15:49	7.1	Surface	1.0	0.3	19	29.0	29.0	7.9	7.9	27.5	27.5	87.2	87.1	5.8	5.7	4.0	4.3	4	5	84	88	821839	808126	<0.2	<0.2	1.4	1.4
						1.0	0.3	20	29.0		7.9		27.5		87.0		5.7		4.0		5		85				<0.2		1.4	
					Middle	3.6	0.3	20	28.9	28.9	7.9	7.9	27.9	27.9	85.7	85.7	5.7		4.4		5		88				<0.2		1.4	
						3.6	0.3	20	28.9		7.9		28.0		85.7		5.7		4.3		6		88				<0.2		1.4	
					Bottom	6.1	0.2	23	28.8	28.8	7.9	7.9	28.3	28.3	86.2	86.3	5.7	5.7	4.6		5		90				<0.2		1.4	
						6.1	0.2	23	28.8		7.9		28.3		86.4		5.7		4.7		5		90				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 October 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	15:58	6.4	Surface	1.0	0.3	356	29.2	29.2	7.9	7.9	27.2	27.3	90.8	90.8	6.0	5.8	3.4	4.0	5	5	85	88	822086	808812	<0.2	<0.2	1.4	1.6
						1.0	0.3	342	29.2		7.9		27.3		90.8		6.0		3.5		5		86				<0.2		1.4	
					Middle	3.2	0.2	333	29.0	29.0	7.9	7.9	27.7	27.8	85.9	85.7	5.7		4.1		5		88				<0.2		1.7	
						3.2	0.2	331	29.0		7.9		27.9		85.5		5.6		4.1		5		88				<0.2		1.5	
					Bottom	5.4	0.1	340	28.9	28.9	7.9	7.9	28.3	28.3	85.5	85.7	5.6	5.7	4.5		6		90				<0.2		1.6	
						5.4	0.1	341	28.9		7.9		28.3		85.8		5.7		4.6		6		90				<0.2		1.7	
IM10	Cloudy	Rough	16:07	7.3	Surface	1.0	0.4	339	29.2	29.2	7.9	7.9	27.4	27.4	87.5	87.4	5.8	5.7	3.7	4.5	6	6	86	89	822373	809774	<0.2	<0.2	1.3	1.3
						1.0	0.4	314	29.2		7.9		27.4		87.2		5.8		3.8		6		87				<0.2		1.2	
					Middle	3.7	0.4	292	29.0	29.0	7.9	7.9	27.8	27.9	85.3	85.3	5.6		4.5		5		89				<0.2		1.2	
						3.7	0.4	299	29.0		7.9		27.9		85.2		5.6		4.6		6		90				<0.2		1.2	
					Bottom	6.3	0.2	305	28.8	28.8	7.9	7.8	28.2	28.2	86.1	86.3	5.7	5.7	5.1		6		91				<0.2		1.4	
						6.3	0.2	287	28.8		7.8		28.3		86.5		5.7		5.2		6		91				<0.2		1.3	
IM11	Cloudy	Rough	16:17	7.4	Surface	1.0	0.4	279	29.3	29.3	7.9	7.9	27.9	27.9	84.8	84.6	5.6	5.5	3.9	5.2	5	5	86	89	822052	811465	<0.2	<0.2	1.3	1.4
						1.0	0.4	262	29.3		7.9		27.9		84.4		5.5		4.1		5		86				<0.2		1.4	
					Middle	3.7	0.3	269	29.1	29.1	7.9	7.9	28.1	28.1	83.2	83.3	5.5		4.8		6		90				<0.2		1.4	
						3.7	0.3	263	29.1		7.9		28.1		83.3		5.5		4.8		5		90				<0.2		1.5	
					Bottom	6.4	0.2	278	29.0	29.0	7.8	7.8	28.4	28.4	85.8	86.0	5.7	5.7	6.9		5		91				<0.2		1.5	
						6.4	0.2	275	28.9		7.8		28.4		86.1		5.7		6.9		6		91				<0.2		1.4	
IM12	Cloudy	Rough	16:25	7.7	Surface	1.0	0.3	250	29.2	29.2	7.9	7.9	27.7	27.7	86.1	85.9	5.7	5.6	4.4	7.3	5	5	85	88	821459	812041	<0.2	<0.2	1.3	1.2
						1.0	0.3	252	29.1		7.9		27.7		85.7		5.6		4.2		5		85				<0.2		1.2	
					Middle	3.9	0.2	243	28.9	28.9	7.9	7.9	28.0	28.0	83.5	83.5	5.5		5.8		5		89				<0.2		1.2	
						3.9	0.2	251	28.9		7.9		28.0		83.4		5.5		6.0		5		89				<0.2		1.2	
					Bottom	6.7	0.2	263	28.9	28.9	7.9	7.9	28.1	28.1	83.5	83.5	5.5	5.5	11.8		5		91				<0.2		1.3	
						6.7	0.2	267	28.9		7.9		28.1		83.5		5.5		11.8		4		91				<0.2		1.2	
SR1A	Cloudy	Calm	16:49	4.3	Surface	1.0	-	-	29.1	29.1	8.0	8.0	27.7	27.7	87.0	86.9	5.7	5.7	4.4	4.5	5	5	-	-	819977	812664	-	-	-	-
						1.0	-	-	29.1		8.0		27.7		86.8		5.7		4.5		4		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	29.1	29.1	8.0	8.0	27.8	27.7	87.3	87.5	5.8	5.8	4.6		6		-				-		-	
						3.3	-	-	29.1		8.0		27.7		87.6		5.8		4.5		6		-				-		-	
SR2	Cloudy	Moderate	17:04	4.1	Surface	1.0	0.2	269	29.2	29.2	7.9	7.9	27.9	27.9	88.6	88.6	5.8	5.8	4.4	6.4	5	5	85	87	821467	814142	<0.2	<0.2	1.4	1.3
						1.0	0.2	273	29.1		7.9		28.0		88.6		5.8		4.9		4		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	255	28.9	28.9	7.8	7.8	28.4	28.4	84.6	84.8	5.6	5.6	8.1		6		88				<0.2		1.3	
						3.1	0.1	252	28.8		7.8		28.4		84.9		5.6		8.1		5		88				<0.2		1.2	
SR3	Cloudy	Moderate	15:44	8.0	Surface	1.0	0.6	15	29.1	29.1	7.9	7.9	26.9	26.9	90.1	90.1	6.0	5.7	3.4	4.8	6	6	-	-	822130	807577	-	-	-	-
						1.0	0.6	16	29.1		7.9		26.9		90.1		6.0		3.6		5		-				-		-	
					Middle	4.0	0.3	26	28.8	28.8	7.9	7.9	28.6	28.6	82.4	82.4	5.4		5.2		6		-				-		-	
						4.0	0.3	27	28.8		7.9		28.6		82.4		5.4		5.3		5		-				-		-	
					Bottom	7.0	0.2	24	28.8	28.8	7.9	7.9	28.9	28.8	83.5	83.8	5.5	5.5	5.6		6		-				-		-	
						7.0	0.2	25	28.8		7.9		28.8		84.0		5.5		5.6		7		-				-		-	
SR4A	Cloudy	Moderate	16:59	9.8	Surface	1.0	0.6	248	27.8	27.8	7.8	7.8	25.0	25.0	81.3	81.3	5.6	5.4	5.3	7.7	7	7	-	-	817198	807813	-	-	-	-
						1.0	0.6	264	27.8		7.8		25.0		81.2		5.6		5.4		6		-				-		-	
					Middle	4.9	0.4	242	27.7	27.7	7.8	7.8	26.2	26.3	76.4	76.4	5.2		7.9		8		-				-		-	
						4.9	0.4	263	27.7		7.8		26.3		76.3		5.2		7.9		7		-				-		-	
					Bottom	8.8	0.4	260	27.7	27.7	7.9	7.9	26.6	26.6	76.0	76.1	5.2	5.2	9.9		8		-				-		-	
						8.8	0.4	267	27.7		7.9		26.6		76.1		5.2		9.9		8		-				-		-	
SR5A	Cloudy	Moderate	17:18	4.2	Surface	1.0	0.3	339	27.8	27.8	7.8	7.8	25.3	25.3	80.2	80.3	5.5	5.5	5.5	6.3	7	7	-	-	816589	810674	-	-	-	-
						1.0	0.3	342	27.8		7.8		25.3		80.3		5.5		5.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	323	27.8	27.8	7.8	7.8	25.6	25.6	81.6	81.7	5.6	5.6	7.1		8		-				-		-	
						3.2	0.2	335	27.8		7.8		25.6		81.8		5.6		7.2		8		-				-		-	
SR6A	Cloudy	Moderate	17:45	3.9	Surface	1.0	0.0	232	28.2	28.2	7.8	7.8	24.1	24.1	78.7	78.7	5.4	5.4	2.5	3.2	7	7	-	-	817984	814761	-	-	-	-
						1.0	0.0	252	28.2		7.8		24.1		78.7		5.4		2.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	72	28.1	28.1	7.8	7.8	24.4	24.4	77.5	77.6	5.3	5.3	4.0		8		-				-		-	
						2.9	0.1	78	28.1		7.8		24.5		77.6		5.3		3.9		8		-				-		-	
SR7	Cloudy	Moderate	17:55	14.1	Surface	1.0	0.3	213	29.1	29.1	7.9	7.9	28.5	28.5	84.2	84.2	5.5	5.3	3.2	3.3	7	7	-	-	823620	823748	-	-	-	-
						1.0	0.3	217	29.1		7.9		28.5		84.1		5.5		3.2		6		-				-		-	
					Middle	7.1	0.2	269	28.9	29.0	7.9	7.9	29.0	29.0	78.5	78.5	5.2		3.4		8		-				-		-	
						7.1	0.2	282	29.0		7.9		29.0		78.4		5.1		3.4		7		-				-		-	
					Bottom	13.1	0.2	280	29.0	29.0	7.9	7.9	29.2	29.2	79.6	79.9	5.2	5.3	3.4		8		-				-		-	
						13.1	0.2	273	29.0		7.9		29.2		80.2		5.3		3.4		8		-				-		-	
SR8	Cloudy	Moderate	16:36	5.3	Surface	1.0	-	-	29.2	29.2	7.9	7.9	27.6	27.7	87.7	87.5	5.8	5.8	4.0	7.8	6	6	-	-	820394	811613	-	-	-	-
						1.0	-	-	29.2		7.9		27.7		87.2		5.7		4.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	29.1	29.1	7.9	7.9	27.8	27.8	86.1	86.3	5.7	5.7	11.7		5		-				-		-	
						4.3	-	-	29.1		7.9		27.8		86.4		5.7		11.5		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 October 19 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	11:01	8.8	Surface	1.0	0.5	231	29.4	29.4	8.1	8.1	28.8	28.8	90.2	90.1	5.9	5.9	2.8	6.8	7	5	85	89	815643	804267	<0.2	<0.2	1.1	0.9
						1.0	0.5	253	29.4		8.1		28.8		90.0		5.9		3.1		6		85				<0.2		0.9	
					Middle	4.4	0.5	243	29.0	29.0	8.2	8.2	29.1	29.1	88.9	89.0	5.8		4.3		6		89				<0.2		1.0	
						4.4	0.5	260	29.1		8.2		29.1		89.0		5.8		4.3		4		90				<0.2		0.9	
					Bottom	7.8	0.3	233	28.9	28.9	8.2	8.2	29.2	29.2	91.6	91.7	6.0	6.0	13.0		4		91				<0.2		0.8	
						7.8	0.4	247	28.9		8.2		29.2		91.8		6.0		13.0		5		91				<0.2		0.9	
C2	Cloudy	Moderate	12:04	11.2	Surface	1.0	0.8	164	29.1	29.1	8.0	8.0	26.9	26.9	99.6	99.4	6.6	6.0	3.8	5.6	5	4	87	89	825679	806931	<0.2	<0.2	1.3	1.3
						1.0	0.8	174	29.1		8.0		27.0		99.2		6.6		4.0		4		86				<0.2		1.3	
					Middle	5.6	0.7	165	29.0	29.0	7.9	7.9	28.6	28.6	81.8	81.7	5.4		5.4		4		88				<0.2		1.4	
						5.6	0.7	168	29.0		7.9		28.7		81.6		5.4		5.4		5		90				<0.2		1.2	
					Bottom	10.2	0.3	171	29.1	29.1	7.9	7.9	29.5	29.5	77.3	77.5	5.0	5.1	7.3		4		90				<0.2		1.3	
						10.2	0.4	182	29.1		7.9		29.5		77.6		5.1		7.5		4		91				<0.2		1.3	
C3	Cloudy	Moderate	10:03	11.2	Surface	1.0	0.4	87	28.9	28.9	7.9	7.9	29.5	29.5	80.5	80.3	5.3	5.1	3.7	4.9	4	4	86	88	822103	817801	<0.2	<0.2	1.3	1.4
						1.0	0.4	93	28.9		7.9		29.5		80.0		5.2		3.8		3		85				<0.2		1.5	
					Middle	5.6	0.3	88	28.9	28.9	7.9	7.9	29.9	29.9	77.0	76.9	5.0		4.2		3		88				<0.2		1.4	
						5.6	0.3	94	28.9		7.9		30.0		76.8		5.0		4.5		4		88				<0.2		1.3	
					Bottom	10.2	0.3	89	28.9	28.9	7.9	7.9	30.6	30.6	75.8	75.9	4.9	4.9	6.6		4		90				<0.2		1.4	
						10.2	0.3	89	28.9		7.9		30.6		76.0		4.9		6.7		3		91				<0.2		1.2	
IM1	Cloudy	Moderate	11:31	5.6	Surface	1.0	0.1	214	29.1	29.1	8.1	8.1	28.5	28.5	88.4	88.4	5.8	5.8	2.5	2.8	6	7	84	86	817935	807154	<0.2	<0.2	0.8	0.9
						1.0	0.1	231	29.1		8.1		28.5		88.3		5.8		2.4		6		85				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	256	29.1	29.1	8.1	8.1	28.8	28.8	88.3	88.5	5.8	5.8	3.2		7		88				<0.2		0.9	
						4.6	0.1	262	29.1		8.2		28.8		88.7		5.8		3.2		8		88				<0.2		0.9	
IM2	Cloudy	Moderate	11:38	6.7	Surface	1.0	0.2	162	29.0	29.0	8.1	8.1	28.5	28.5	88.8	88.9	5.8	5.8	2.5	4.0	5	6	85	88	818145	806160	<0.2	<0.2	0.8	0.8
						1.0	0.2	166	29.0		8.1		28.5		88.9		5.8		2.5		5		85				<0.2		0.8	
					Middle	3.4	0.2	173	28.9	28.9	8.1	8.1	28.6	28.6	87.8	88.0	5.8		3.5		7		89				<0.2		0.7	
						3.4	0.2	188	28.9		8.1		28.6		88.1		5.8		3.5		5		89				<0.2		0.8	
					Bottom	5.7	0.2	158	28.9	28.9	8.1	8.1	28.9	28.9	88.7	88.8	5.8	5.8	5.8		7		91				<0.2		0.8	
						5.7	0.2	173	28.9		8.1		28.9		88.9		5.8		5.9		6		91				<0.2		0.8	
IM3	Cloudy	Moderate	11:44	6.9	Surface	1.0	0.3	146	28.9	28.9	8.1	8.1	28.3	28.3	89.3	89.2	5.9	5.9	7.4	8.1	18	15	85	88	818804	805596	<0.2	<0.2	0.9	0.9
						1.0	0.3	149	28.9		8.1		28.3		89.1		5.9		7.6		18		85				<0.2		0.9	
					Middle	3.5	0.2	161	28.7	28.7	8.1	8.1	28.6	28.6	88.5	88.7	5.8		7.6		14		89				<0.2		0.9	
						3.5	0.2	169	28.7		8.1		28.6		88.8		5.9		7.8		14		89				<0.2		1.0	
					Bottom	5.9	0.1	192	28.7	28.7	8.2	8.2	28.8	28.8	90.0	90.1	5.9	5.9	8.9		13		91				<0.2		0.9	
						5.9	0.1	197	28.7		8.2		28.8		90.1		5.9		9.2		14		91				<0.2		0.8	
IM4	Cloudy	Moderate	11:54	7.4	Surface	1.0	0.9	176	29.2	29.1	8.1	8.1	27.1	27.1	93.7	93.7	6.2	6.2	4.7	6.7	6	8	84	88	819722	804614	<0.2	<0.2	1.2	1.2
						1.0	0.9	185	29.1		8.1		27.2		93.6		6.2		5.3		6		85				<0.2		1.3	
					Middle	3.7	0.8	172	29.0	29.0	8.2	8.2	27.4	27.4	93.8	93.8	6.2		7.5		8		89				<0.2		1.2	
						3.7	0.8	178	29.0		8.2		27.4		93.8		6.2		7.3		7		89				<0.2		1.0	
					Bottom	6.4	0.6	164	29.0	29.0	8.2	8.2	27.5	27.5	94.1	94.2	6.2	6.2	7.6		9		90				<0.2		1.3	
						6.4	0.7	170	29.0		8.2		27.5		94.3		6.2		8.0		10		90				<0.2		1.1	
IM5	Cloudy	Moderate	12:06	6.8	Surface	1.0	0.8	194	29.3	29.2	8.2	8.2	26.0	26.0	101.0	100.0	6.7	6.3	3.4	6.0	4	6	84	88	820739	804848	<0.2	<0.2	1.1	1.1
						1.0	0.9	202	29.2		8.2		26.0		99.0		6.6		3.7		5		85				<0.2		1.2	
					Middle	3.4	0.6	199	28.8	28.8	8.2	8.2	28.0	28.0	90.9	90.9	6.0		7.0		6		89				<0.2		1.0	
						3.4	0.7	217	28.8		8.2		28.1		90.9		6.0		7.1		7		89				<0.2		1.2	
					Bottom	5.8	0.6	215	28.8	28.8	8.2	8.2	28.2	28.2	92.7	93.4	6.1	6.2	7.3		8		90				<0.2		1.1	
						5.8	0.6	216	28.8		8.2		28.2		94.1		6.2		7.3		6		90				<0.2		1.1	
IM6	Cloudy	Moderate	12:15	6.3	Surface	1.0	0.6	228	29.2	29.2	8.1	8.1	26.6	26.6	95.0	94.6	6.3	6.0	3.9	4.6	5	6	85	88	821056	805811	<0.2	<0.2	1.3	1.3
						1.0	0.6	236	29.2		8.1		26.6		94.1		6.2		4.2		5		86				<0.2		1.3	
					Middle	3.2	0.5	222	28.9	28.9	8.1	8.1	27.8	27.8	87.7	87.7	5.8		4.4		6		88				<0.2		1.2	
						3.2	0.5	226	28.9		8.1		27.7		87.7		5.8		4.4		6		89				<0.2		1.3	
					Bottom	5.3	0.4	218	28.9	28.9	8.1	8.1	28.0	28.0	89.1	89.2	5.9	5.9	5.3		5		90				<0.2		1.3	
						5.3	0.4	230	28.9		8.1		28.0		89.3		5.9		5.4		6		90				<0.2		1.2	
IM7	Cloudy	Moderate	12:22	7.8	Surface	1.0	0.4	223	29.3	29.3	8.0	8.0	27.8	27.8	100.9	101.1	6.6	6.4	3.1	5.4	4	5	86	88	821361	806830	<0.2	<0.2	1.2	1.2
						1.0	0.4	234	29.3		8.0		27.8		101.3		6.7		3.1		4		86				<0.2		1.3	
					Middle	3.9	0.5	238	28.8	28.8	7.9	7.9	28.6	28.7	92.1	92.1	6.1		5.2		4		88				<0.2		1.2	
						3.9	0.5	261	28.8		7.9		28.8		92.0		6.1		5.6		5		89				<0.2		1.2	
					Bottom	6.8	0.3	247	28.7	28.7	7.8	7.8	29.5	29.5	87.6	87.7	5.8	5.8	7.9		6		90				<0.2		1.2	
						6.8	0.3	270	28.7		7.8		29.5		87.7		5.8		7.9		5		90				<0.2		1.2	
IM8	Cloudy	Moderate	11:35	7.3	Surface	1.0	0.2	175	29.2	29.2	8.0	8.0	27.7	27.8	96.5	96.3	6.4	6.0	3.4	4.8	5	4	87	88	821843	808154	<0.2	<0.2	1.3	1.4
						1.0	0.2	177	29.1		8.0		27.8		96.1		6.3		3.6		4		86				<0.2		1.4	
					Middle	3.7	0.1	173	28.8	28.8	8.0	8.0	28.6	28.7	86.7	86.6	5.7		5.3		5		87				<0.2		1.3	
						3.7	0.1	174	28.8		8.0		28.8		86.5		5.7		5.4		4		89				<0.2		1.4	
					Bottom	6.3	0.1	24	28.8	28.8	8.0	8.0	29.0	28.9	86.1	86.3	5.7	5.7	5.8		4		90				<0.2		1.4	
						6.3	0.1	24	28.8		8.0		28.8		86.4		5.7		5.6		4		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 10 October 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:28	7.5	Surface	1.0	0.2	170	29.1	29.1	8.0	8.0	27.6	27.7	96.4	96.1	6.4	6.0	3.2	4.8	6	5	86	88	822098	808809	<0.2	<0.2	1.4	1.3
						1.0	0.3	180	29.1		8.0		27.7		95.7		6.3		3.6		6		85				<0.2		1.4	
					Middle	3.8	0.2	184	28.8	28.8	8.0	8.0	28.5	28.6	86.7	86.6	5.7		5.3		4		90				<0.2		1.2	
						3.8	0.2	198	28.8		8.0		28.7		86.5		5.7		5.5		4		88				<0.2		1.3	
					Bottom	6.5	0.0	323	28.8	28.8	8.0	8.0	28.9	28.8	87.4	87.5	5.8	5.8	5.6		6		91				<0.2		1.4	
						6.5	0.0	353	28.8		8.0		28.7		87.6		5.8		5.3		6		90				<0.2		1.2	
IM10	Cloudy	Moderate	11:22	7.8	Surface	1.0	0.3	132	29.1	29.1	8.0	8.0	27.6	27.6	95.7	95.8	6.3	6.1	3.5	4.4	7	7	86	88	822372	809804	<0.2	<0.2	1.1	1.2
						1.0	0.3	138	29.1		8.0		27.6		95.9		6.3		3.5		6		85				<0.2		1.2	
					Middle	3.9	0.3	145	29.0	29.0	8.0	8.0	28.1	28.1	90.1	90.1	5.9		4.0		8		88				<0.2		1.2	
						3.9	0.3	156	28.9		8.0		28.2		90.1		5.9		4.3		6		90				<0.2		1.3	
					Bottom	6.8	0.2	117	28.8	28.9	8.0	8.0	28.9	28.9	86.4	86.5	5.7	5.7	5.6		8		91				<0.2		1.3	
						6.8	0.2	119	28.9		8.0		28.8		86.6		5.7		5.5		7		90				<0.2		1.3	
IM11	Cloudy	Moderate	11:14	8.0	Surface	1.0	0.6	133	29.2	29.2	8.0	8.0	27.4	27.4	98.2	98.1	6.5	6.3	3.4	6.2	6	6	87	88	822039	811451	<0.2	<0.2	1.3	1.3
						1.0	0.6	139	29.1		8.0		27.5		97.9		6.5		3.6		5		86				<0.2		1.2	
					Middle	4.0	0.5	120	28.9	28.9	7.9	7.9	28.3	28.3	90.7	90.7	6.0		6.5		4		88				<0.2		1.3	
						4.0	0.5	126	28.9		7.9		28.4		90.7		6.0		7.0		5		88				<0.2		1.2	
					Bottom	7.0	0.4	111	28.9	28.9	7.9	7.9	28.7	28.7	85.0	85.1	5.6	5.6	8.5		7		90				<0.2		1.2	
						7.0	0.5	115	28.9		7.9		28.7		85.1		5.6		8.5		8		90				<0.2		1.3	
IM12	Cloudy	Moderate	11:02	8.1	Surface	1.0	0.6	121	29.0	29.0	7.9	7.9	28.2	28.2	88.9	88.8	5.9	5.6	6.1	7.4	6	7	86	89	821469	812027	<0.2	<0.2	1.0	1.2
						1.0	0.6	130	29.0		7.9		28.3		88.6		5.8		6.8		7		88				<0.2		1.1	
					Middle	4.1	0.6	112	28.9	28.9	7.9	7.9	28.9	28.9	81.9	81.9	5.4		7.2		7		88				<0.2		1.2	
						4.1	0.6	112	28.9		7.9		28.9		81.9		5.4		7.5		6		90				<0.2		1.2	
					Bottom	7.1	0.5	111	28.9	28.9	7.9	7.9	28.9	28.9	83.1	83.3	5.5	5.5	8.6		7		90				<0.2		1.2	
						7.1	0.5	120	28.9		7.9		28.9		83.5		5.5		8.4		9		91				<0.2		1.2	
SR1A	Cloudy	Moderate	10:44	4.9	Surface	1.0	-	-	29.0	29.0	7.9	7.9	28.4	28.4	85.2	85.0	5.6	5.6	6.7	7.8	8	10	-	-	819976	812655	-	-	-	-
						1.0	-	-	29.0		7.9		28.5		84.8		5.6		7.0		10		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.9	28.9	7.9	7.9	28.8	28.8	83.4	83.5	5.5	5.5	8.8		10		-				-		-	
						3.9	-	-	28.9		7.9		28.8		83.5		5.5		8.5		10		-				-		-	
SR2	Cloudy	Moderate	10:29	4.4	Surface	1.0	0.4	85	28.9	28.9	7.9	7.9	28.8	28.9	83.8	83.6	5.5	5.5	8.3	10.3	8	8	87	87	821482	814169	<0.2	<0.2	1.1	1.2
						1.0	0.5	89	28.9		7.9		28.9		83.4		5.5		9.1		9		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.3	74	28.9	28.9	7.9	7.9	29.1	29.1	83.0	83.1	5.4	5.5	11.8		7		88				<0.2		1.2	
						3.4	0.3	80	28.9		7.9		29.1		83.1		5.5		12.0		6		88				<0.2		1.2	
SR3	Cloudy	Moderate	11:40	8.2	Surface	1.0	0.3	182	28.9	28.9	8.0	8.0	27.9	27.9	94.1	93.9	6.2	6.0	4.6	5.8	6	6	-	-	822133	807552	-	-	-	-
						1.0	0.3	196	28.9		8.0		27.9		93.7		6.2		4.6		5		-				-		-	
					Middle	4.1	0.1	218	28.8	28.8	8.0	8.0	28.5	28.6	87.0	86.9	5.7		5.7		6		-				-		-	
						4.1	0.1	224	28.8		8.0		28.7		86.8		5.7		6.0		5		-				-		-	
					Bottom	7.2	0.1	330	28.7	28.7	8.0	8.0	29.4	29.4	86.8	86.9	5.7	5.7	7.1		5		-				-		-	
						7.2	0.1	333	28.7		8.0		29.3		86.9		5.7		6.7		6		-				-		-	
SR4A	Cloudy	Calm	10:36	8.3	Surface	1.0	0.1	74	29.2	29.2	8.1	8.1	29.0	29.0	85.4	85.4	5.6	5.6	4.9	6.1	9	9	-	-	817183	807824	-	-	-	-
						1.0	0.1	76	29.2		8.1		29.0		85.3		5.6		5.0		9		-				-		-	
					Middle	4.2	0.1	359	29.0	29.0	8.1	8.1	29.0	29.0	84.5	84.5	5.5		6.3		9		-				-		-	
						4.2	0.1	330	29.0		8.1		29.0		84.5		5.5		6.2		9		-				-		-	
					Bottom	7.3	0.1	84	29.0	29.0	8.2	8.2	29.0	29.0	85.3	85.4	5.6	5.6	7.0		10		-				-		-	
						7.3	0.1	87	29.0		8.2		29.0		85.4		5.6		7.0		10		-				-		-	
SR5A	Cloudy	Calm	10:18	5.4	Surface	1.0	0.1	48	29.0	29.0	8.1	8.1	28.3	28.3	87.6	87.7	5.8	5.8	4.8	4.8	7	8	-	-	816602	810707	-	-	-	-
						1.0	0.1	50	29.0		8.1		28.3		87.8		5.8		4.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	136	29.0	29.0	8.2	8.2	28.5	28.5	91.4	91.5	6.0	6.0	4.7		9		-				-		-	
						4.4	0.2	141	29.0		8.2		28.5		91.5		6.0		4.7		9		-				-		-	
SR6A	Cloudy	Calm	09:39	4.4	Surface	1.0	0.0	222	29.1	29.1	8.1	8.1	27.6	27.6	84.7	84.6	5.6	5.6	2.1	2.9	7	6	-	-	817975	814719	-	-	-	-
						1.0	0.0	233	29.1		8.1		27.6		84.5		5.6		2.2		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	256	28.9	28.9	8.1	8.1	27.9	27.9	87.7	87.9	5.8	5.8	3.6		5		-				-		-	
						3.4	0.0	262	28.9		8.1		27.9		88.0		5.8		3.7		6		-				-		-	
SR7	Cloudy	Moderate	09:24	16.4	Surface	1.0	0.5	61	28.9	28.9	7.9	7.9	31.1	31.1	84.4	84.4	5.3	5.0	3.5	4.0	5	5	-	-	823619	823739	-	-	-	-
						1.0	0.5	61	28.9		7.9		31.1		84.3		5.2		3.6		5		-				-		-	
					Middle	8.2	0.4	27	28.9	28.9	7.9	7.9	31.4	31.4	73.4	73.4	4.8		4.0		5		-				-		-	
						8.2	0.4	29	28.9		7.9		31.4		73.4		4.8		4.1		4		-				-		-	
					Bottom	15.4	0.3	18	28.9	28.9	7.9	7.9	31.4	31.4	73.9	73.9	4.8	4.8	4.5		5		-				-		-	
						15.4	0.3	19	28.9		7.9		31.4		73.9		4.8		4.5		5		-				-		-	
SR8	Cloudy	Moderate	10:54	5.0	Surface	1.0	-	-	29.0	29.0	7.9	7.9	28.5	28.6	87.7	87.3	5.8	5.8	7.6	8.8	6	7	-	-	820376	811599	-	-	-	-
						1.0	-	-	29.0		7.9		28.6		86.8		5.7		7.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	28.9	28.9	7.9	7.9	28.9	28.9	81.5	81.6	5.4	5.4	10.0		7		-				-		-	
						4.0	-	-	28.9		7.9		28.9		81.6		5.4		10.0		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 10 October 19 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	17:21	8.4	Surface	1.0	0.2	168	29.1	29.1	7.8	7.8	29.4	29.4	92.3	92.3	6.0	5.8	7.8	8.6	10	11	86	88	815613	804266	<0.2	<0.2	0.8	0.9
						1.0	0.2	172	29.1		7.8		29.4		92.2		6.0		7.5		8		86				<0.2		0.9	
					Middle	4.2	0.2	182	28.8	28.8	7.8	7.8	30.3	30.3	86.4	86.4	5.6		8.2		13		88				<0.2		0.9	
						4.2	0.2	196	28.8		7.8		30.3		86.3		5.6		8.0		12		87				<0.2		0.8	
					Bottom	7.4	0.1	208	28.8	28.8	7.8	7.8	30.4	30.4	86.9	87.0	5.7	5.7	9.9		10		90				<0.2		0.9	
						7.4	0.2	214	28.8		7.8		30.4		87.1		5.7		10.1		11		91				<0.2		0.9	
C2	Cloudy	Moderate	16:18	11.0	Surface	1.0	0.8	166	29.0	29.0	8.0	8.0	26.9	26.9	98.3	98.1	6.5	5.8	5.4	7.2	4	3	86	88	825663	806929	<0.2	<0.2	1.5	1.4
						1.0	0.8	173	29.0		8.0		26.9		97.9		6.5		5.3		3		86				<0.2		1.3	
					Middle	5.5	0.6	170	29.1	29.1	7.9	7.9	29.2	29.2	75.9	75.9	5.0		6.6		3		88				<0.2		1.3	
						5.5	0.6	171	29.1		7.9		29.2		75.8		5.0		6.6		3		88				<0.2		1.3	
					Bottom	10.0	0.3	166	29.1	29.1	7.9	7.9	29.7	29.7	76.5	76.7	5.0	5.0	9.8		3		90				<0.2		1.4	
						10.0	0.3	179	29.1		7.9		29.7		76.9		5.0		9.5		4		91				<0.2		1.4	
C3	Cloudy	Moderate	17:59	11.7	Surface	1.0	0.5	99	29.2	29.2	7.9	7.9	28.8	28.8	82.9	82.7	5.4	5.3	8.3	9.1	7	8	86	88	822119	817802	<0.2	<0.2	1.3	1.2
						1.0	0.5	106	29.2		7.9		28.9		82.5		5.4		8.5		7		86				<0.2		1.2	
					Middle	5.9	0.4	99	29.1	29.1	7.9	7.9	29.3	29.3	80.6	80.5	5.3		9.0		9		88				<0.2		1.1	
						5.9	0.4	100	29.1		7.9		29.4		80.3		5.2		9.3		9		89				<0.2		1.1	
					Bottom	10.7	0.2	91	29.1	29.1	7.9	7.9	29.6	29.6	81.0	81.2	5.3	5.3	9.6		8		90				<0.2		1.2	
						10.7	0.3	97	29.1		7.9		29.6		81.4		5.3		9.6		8		90				<0.2		1.1	
IM1	Cloudy	Moderate	16:59	5.5	Surface	1.0	0.1	66	28.9	28.9	7.8	7.8	29.7	29.8	87.9	87.8	5.7	5.7	5.4	9.9	10	11	88	89	817926	807141	<0.2	<0.2	0.9	0.9
						1.0	0.1	69	28.9		7.8		29.8		87.7		5.7		5.6		12		86				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	38	28.9	28.9	7.7	7.7	30.4	30.4	87.0	87.1	5.7	5.7	14.4		9		91				<0.2		0.8	
						4.5	0.1	34	28.8		7.7		30.4		87.2		5.7		14.2		11		90				<0.2		0.9	
IM2	Cloudy	Moderate	16:53	6.2	Surface	1.0	0.0	71	28.9	28.9	7.8	7.8	29.5	29.5	90.1	90.0	5.9	5.8	10.2	11.0	13	15	86	88	818174	806187	<0.2	<0.2	0.9	0.9
						1.0	0.0	77	28.9		7.8		29.6		89.8		5.9		10.1		15		87				<0.2		1.0	
					Middle	3.1	0.0	57	28.8	28.8	7.8	7.8	29.8	29.8	87.8	87.8	5.7		9.1		16		87				<0.2		0.9	
						3.1	0.0	55	28.8		7.8		29.8		87.8		5.7		9.9		16		88				<0.2		0.9	
					Bottom	5.2	0.0	28	28.7	28.7	7.7	7.7	30.3	30.3	89.1	89.4	5.8	5.9	13.6		14		90				<0.2		0.8	
						5.2	0.0	30	28.6		7.7		30.3		89.6		5.9		13.4		15		90				<0.2		0.8	
IM3	Cloudy	Moderate	16:48	6.5	Surface	1.0	0.3	72	29.0	29.0	7.7	7.7	29.1	29.1	90.5	90.4	5.9	5.9	7.2	8.5	10	12	86	88	818781	805572	<0.2	<0.2	1.0	1.0
						1.0	0.3	83	29.0		7.7		29.1		90.2		5.9		7.3		12		85				<0.2		0.9	
					Middle	3.3	0.2	52	28.9	28.9	7.7	7.7	29.5	29.5	88.8	88.8	5.8		8.6		13		89				<0.2		1.0	
						3.3	0.3	53	28.9		7.7		29.5		88.8		5.8		8.8		12		87				<0.2		1.0	
					Bottom	5.5	0.2	42	28.8	28.8	7.7	7.7	29.6	29.6	89.3	89.5	5.8	5.9	9.5		12		91				<0.2		0.9	
						5.5	0.2	46	28.8		7.7		29.6		89.6		5.9		9.7		11		91				<0.2		0.9	
IM4	Cloudy	Moderate	16:39	7.2	Surface	1.0	0.6	57	28.9	28.9	7.7	7.7	28.7	28.7	91.2	91.2	6.0	6.0	7.4	8.9	14	13	86	88	819721	804597	<0.2	<0.2	1.0	1.1
						1.0	0.6	54	28.9		7.7		28.8		91.1		6.0		7.4		13		85				<0.2		1.1	
					Middle	3.6	0.5	53	28.9	28.9	7.7	7.7	28.9	28.9	90.5	90.5	6.0		8.6		10		88				<0.2		1.1	
						3.6	0.6	56	28.9		7.7		28.9		90.5		6.0		8.8		11		87				<0.2		1.0	
					Bottom	6.2	0.6	68	28.9	28.9	7.7	7.7	28.8	28.8	91.3	91.5	6.0	6.0	10.6		14		89				<0.2		1.0	
						6.2	0.6	64	28.9		7.7		28.8		91.6		6.0		10.6		13		91				<0.2		1.1	
IM5	Cloudy	Moderate	16:32	6.5	Surface	1.0	1.0	49	29.2	29.2	7.8	7.8	27.8	27.8	102.3	102.3	6.7	6.5	4.2	7.9	4	6	86	88	820712	804852	<0.2	<0.2	1.2	1.2
						1.0	1.1	45	29.1		7.8		27.8		102.2		6.7		4.6		5		86				<0.2		1.2	
					Middle	3.3	0.8	40	28.9	28.9	7.7	7.7	28.6	28.6	93.8	93.7	6.2		9.0		7		88				<0.2		1.3	
						3.3	0.9	41	28.8		7.7		28.6		93.6		6.2		9.1		8		89				<0.2		1.2	
					Bottom	5.5	0.7	38	28.8	28.8	7.7	7.7	28.8	28.7	93.9	94.1	6.2	6.2	10.4		6		90				<0.2		1.2	
						5.5	0.7	35	28.8		7.7		28.7		94.3		6.2		10.3		5		90				<0.2		1.3	
IM6	Cloudy	Moderate	16:25	6.6	Surface	1.0	0.8	45	29.0	29.0	7.7	7.7	28.1	28.1	94.7	94.7	6.2	6.0	3.8	5.9	6	6	86	88	821082	805810	<0.2	<0.2	1.4	1.4
						1.0	0.8	42	29.0		7.7		28.2		94.6		6.2		4.1		8		85				<0.2		1.4	
					Middle	3.3	0.6	49	28.8	28.8	7.7	7.7	28.9	28.9	88.1	88.1	5.8		6.2		6		87				<0.2		1.3	
						3.3	0.6	48	28.8		7.7		28.9		88.1		5.8		6.3		4		89				<0.2		1.4	
					Bottom	5.6	0.6	45	28.8	28.8	7.7	7.7	29.1	29.1	89.4	89.8	5.9	5.9	7.4		7		90				<0.2		1.4	
						5.6	0.6	63	28.8		7.7		29.1		90.2		5.9		7.6		5		90				<0.2		1.3	
IM7	Cloudy	Moderate	16:20	7.5	Surface	1.0	0.5	32	29.2	29.2	7.7	7.7	27.9	27.9	100.5	100.4	6.6	6.2	3.2	5.2	5	4	86	88	821364	806847	<0.2	<0.2	1.2	1.2
						1.0	0.5	35	29.2		7.7		27.9		100.2		6.6		3.4		4		85				<0.2		1.3	
					Middle	3.8	0.5	32	28.8	28.8	7.7	7.7	28.7	28.8	89.2	89.0	5.9		5.4		4		88				<0.2		1.4	
						3.8	0.5	36	28.8		7.7		28.9		88.8		5.8		5.7		4		89				<0.2		1.3	
					Bottom	6.5	0.4	59	28.7	28.7	7.7	7.7	29.4	29.4	88.5	88.6	5.8	5.8	7.0		3		90				<0.2		1.0	
						6.5	0.4	60	28.7		7.7		29.3		88.7		5.8		6.7		4		91				<0.2		1.1	
IM8	Cloudy	Moderate	16:38	8.0	Surface	1.0	0.2	351	29.1	29.1	8.0	8.0	27.8	27.8	102.6	102.3	6.8	6.4	5.1	6.9	3	4	86	89	821831	808155	<0.2	<0.2	1.4	1.5
						1.0	0.2	344	29.1		8.0		27.9		101.9		6.7		5.3		4		87				<0.2		1.4	
					Middle	4.0	0.1	345	29.0	29.0	8.0	8.0	28.2	28.2	92.6	92.7	6.1		7.2		3		89				<0.2		1.6	
						4.0	0.1	358	29.0		8.0		28.2		92.7		6.1		7.4		4		92				<0.2		1.5	
					Bottom	7.0	0.1	344	29.0	29.1	8.0	8.0	28.2	28.1	92.7	92.8	6.1	6.1	8.1		5		90				<0.2		1.3	
						7.0	0.1	349	29.1		8.0		28.1		92.8		6.1		8.1		4		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 10 October 19 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	16:47	7.9	Surface	1.0	0.3	322	29.0	29.0	8.0	8.0	27.9	28.0	95.8	95.7	6.3	6.1	5.3	6.3	4	4	86	88	822072	808794	<0.2	<0.2	1.5	1.4
						1.0	0.4	323	29.0		8.0		28.0		95.6		6.3		5.5		4		85				<0.2		1.4	
					Middle	4.0	0.2	307	28.9	28.9	8.0	8.0	28.5	28.5	88.7	88.7	5.8		6.5		4		88				<0.2		1.4	
						4.0	0.3	328	28.9		8.0		28.5		88.6		5.8		6.6		3		87				<0.2		1.4	
					Bottom	6.9	0.2	317	28.8	28.9	8.0	8.0	28.6	28.6	88.8	88.9	5.9	5.9	6.9		3		90				<0.2		1.4	
						6.9	0.2	310	28.9		8.0		28.6		88.9		5.9		6.9		4		91				<0.2		1.5	
IM10	Cloudy	Moderate	16:53	7.3	Surface	1.0	0.5	310	29.4	29.4	8.0	8.0	27.5	27.5	102.5	102.4	6.7	6.4	4.0	6.0	6	5	86	88	822386	809793	<0.2	<0.2	1.4	1.5
						1.0	0.6	314	29.3		8.0		27.6		102.3		6.7		4.3		5		87				<0.2		1.5	
					Middle	3.7	0.5	292	28.9	28.9	8.0	8.0	28.2	28.2	91.7	91.7	6.0		6.6		4		88				<0.2		1.5	
						3.7	0.5	288	28.9		8.0		28.2		91.6		6.0		6.7		5		89				<0.2		1.5	
					Bottom	6.3	0.5	281	29.1	29.1	8.0	8.0	28.2	28.2	91.4	91.6	6.0	6.0	7.4		4		90				<0.2		1.5	
						6.3	0.5	299	29.1		8.0		28.2		91.8		6.0		7.3		3		90				<0.2		1.6	
IM11	Cloudy	Moderate	17:04	7.8	Surface	1.0	0.5	287	29.2	29.2	8.0	8.0	27.9	27.9	96.4	96.2	6.3	6.1	6.1	8.1	5	5	87	89	822041	811461	<0.2	<0.2	1.6	1.5
						1.0	0.5	286	29.1		8.0		28.0		96.0		6.3		6.6		5		86				<0.2		1.5	
					Middle	3.9	0.4	267	28.9	28.9	8.0	8.0	28.2	28.2	89.1	89.1	5.9		8.6		4		88				<0.2		1.5	
						3.9	0.4	268	28.9		8.0		28.3		89.1		5.9		8.8		5		89				<0.2		1.4	
					Bottom	6.8	0.3	265	29.0	29.1	8.0	8.0	28.2	28.2	89.5	89.6	5.9	5.9	9.2		5		90				<0.2		1.4	
						6.8	0.4	269	29.1		8.0		28.2		89.6		5.9		9.2		7		91				<0.2		1.4	
IM12	Cloudy	Moderate	17:10	8.4	Surface	1.0	0.4	251	29.3	29.3	8.0	8.0	27.8	27.9	96.8	96.9	6.4	6.1	5.3	7.5	4	5	86	88	821455	812044	<0.2	<0.2	1.5	1.5
						1.0	0.5	255	29.2		8.0		27.9		97.0		6.4		5.5		5		85				<0.2		1.4	
					Middle	4.2	0.4	245	29.0	29.0	8.0	8.0	28.3	28.3	88.9	88.8	5.9		8.1		4		88				<0.2		1.6	
						4.2	0.4	249	29.0		8.0		28.3		88.6		5.8		8.4		5		87				<0.2		1.5	
					Bottom	7.4	0.3	272	29.0	29.0	8.0	8.0	28.4	28.4	89.0	89.1	5.9	5.9	9.0		6		90				<0.2		1.4	
						7.4	0.3	278	29.0		8.0		28.4		89.1		5.9		8.7		4		91				<0.2		1.5	
SR1A	Cloudy	Moderate	17:25	5.0	Surface	1.0	-	-	29.4	29.4	8.0	7.9	28.2	28.2	91.4	91.3	6.0	6.0	5.4	6.5	8	7	-	-	819974	812659	-	-	-	-
						1.0	-	-	29.3		7.9		28.3		91.2		6.0		5.4		8		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	29.1	29.1	7.9	7.9	28.8	28.8	83.5	83.7	5.5	5.5	7.5		7		-				-		-	
						4.0	-	-	29.1		7.9		28.8		83.9		5.5		7.6		5		-				-		-	
SR2	Cloudy	Moderate	17:38	4.8	Surface	1.0	0.2	271	29.0	29.0	7.9	7.9	28.5	28.5	85.9	85.8	5.6	5.6	10.6	11.6	6	6	86	88	821468	814149	<0.2	<0.2	1.4	1.4
						1.0	0.2	267	29.0		7.9		28.5		85.6		5.6		11.0		6		86				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	261	29.0	29.0	7.9	7.9	28.6	28.6	85.2	85.3	5.6	5.6	12.4		5		89				<0.2		1.4	
						3.8	0.2	256	29.0		7.9		28.6		85.3		5.6		12.6		5		90				<0.2		1.4	
SR3	Cloudy	Moderate	16:33	8.2	Surface	1.0	0.4	19	29.2	29.2	8.0	8.0	27.3	27.3	101.1	100.9	6.7	6.2	3.6	5.6	6	5	-	-	822134	807582	-	-	-	-
						1.0	0.4	20	29.2		8.0		27.4		100.6		6.6		3.7		4		-				-		-	
					Middle	4.1	0.2	20	28.8	28.8	8.0	8.0	28.5	28.5	88.2	88.2	5.8		6.2		6		-				-		-	
						4.1	0.2	21	28.8		8.0		28.6		88.2		5.8		6.2		5		-				-		-	
					Bottom	7.2	0.2	26	28.7	28.7	8.0	8.0	29.3	29.3	87.1	87.2	5.7	5.7	6.9		3		-				-		-	
						7.2	0.2	27	28.7		8.0		29.2		87.2		5.7		6.8		5		-				-		-	
SR4A	Cloudy	Calm	17:59	8.6	Surface	1.0	0.7	242	29.3	29.3	7.7	7.7	29.6	29.6	87.2	87.1	5.7	5.7	6.8	11.3	9	8	-	-	817184	807815	-	-	-	-
						1.0	0.8	263	29.3		7.7		29.6		87.0		5.7		6.7		7		-				-		-	
					Middle	4.3	0.6	243	29.1	29.1	7.8	7.8	30.1	30.1	85.5	85.5	5.6		11.8		8		-				-		-	
						4.3	0.6	264	29.1		7.8		30.1		85.5		5.6		12.0		8		-				-		-	
					Bottom	7.6	0.6	241	29.1	29.1	7.8	7.8	30.1	30.1	86.7	86.8	5.6	5.7	15.3		10		-				-		-	
						7.6	0.7	248	29.1		7.8		30.1		86.9		5.7		15.2		8		-				-		-	
SR5A	Cloudy	Calm	18:18	5.5	Surface	1.0	0.4	294	29.1	29.1	7.7	7.7	29.5	29.5	86.1	86.2	5.6	5.6	7.9	8.7	12	13	-	-	816573	810712	-	-	-	-
						1.0	0.4	323	29.1		7.7		29.5		86.2		5.6		7.9		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.3	303	29.0	29.0	7.8	7.8	29.7	29.7	90.0	90.3	5.9	5.9	9.5		12		-				-		-	
						4.5	0.3	325	29.0		7.8		29.7		90.6		5.9		9.5		13		-				-		-	
SR6A	Cloudy	Calm	18:47	4.1	Surface	1.0	0.1	203	29.1	29.1	7.7	7.7	28.9	28.9	85.5	85.6	5.6	5.6	6.9	7.4	12	12	-	-	817976	814740	-	-	-	-
						1.0	0.1	205	29.1		7.7		28.9		85.6		5.6		6.9		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	214	29.1	29.1	7.7	7.7	28.9	28.9	86.6	86.8	5.7	5.7	8.0		11		-				-		-	
						3.1	0.1	225	29.1		7.7		28.9		86.9		5.7		7.8		12		-				-		-	
SR7	Cloudy	Moderate	18:25	16.7	Surface	1.0	0.5	185	29.2	29.2	7.9	7.9	29.0	29.1	85.4	85.4	5.6	5.4	4.1	4.8	4	4	-	-	823653	823745	-	-	-	-
						1.0	0.6	187	29.2		7.9		29.1		85.3		5.6		4.3		3		-				-		-	
					Middle	8.4	0.2	202	29.1	29.1	7.9	7.9	29.7	29.7	79.3	79.3	5.2		5.1		4		-				-		-	
						8.4	0.3	206	29.1		7.9		29.7		79.3		5.2		5.2		5		-				-		-	
					Bottom	15.7	0.0	244	29.0	29.0	7.9	7.9	29.7	29.7	79.6	79.7	5.2	5.2	5.0		3		-				-		-	
						15.7	0.0	253	29.0		7.9		29.7		79.7		5.2		5.0		4		-				-		-	
SR8	Cloudy	Moderate	17:16	5.2	Surface	1.0	-	-	29.4	29.4	8.0	8.0	28.2	28.2	93.0	93.0	6.1	6.1	5.8	6.1	7	7	-	-	820389	811600	-	-	-	-
						1.0	-	-	29.4		8.0		28.2		92.9		6.1		5.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	29.3	29.3	8.0	8.0	28.3	28.3	92.1	92.1	6.0	6.0	6.3		6		-				-		-	
						4.2	-	-	29.3		8.0		28.3		92.0		6.0		6.4		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 October 19 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	11:35	8.0	Surface	1.0	0.5	230	28.8	28.8	7.9	7.9	27.4	27.4	110.5	110.5	7.3	7.0	7.6	8.2	9	9	86	88	815624	804253	<0.2	<0.2	1.5	1.5
						1.0	0.5	241	28.8		7.9		27.4		110.4		7.3		7.9		10		85				<0.2		1.5	
					Middle	4.0	0.4	241	28.9	28.9	7.9	7.9	29.2	29.2	100.8	100.7	6.6		8.5		9		88				<0.2		1.3	
						4.0	0.5	256	28.9		7.9		29.2		100.5		6.6		8.1		10		89				<0.2		1.5	
					Bottom	7.0	0.0	228	28.9	28.9	7.9	7.9	30.0	30.0	97.9	98.0	6.4	6.4	8.8		9		91				<0.2		1.4	
						7.0	0.0	249	28.9		7.9		30.0		98.1		6.4		8.2		9		90				<0.2		1.5	
C2	Fine	Moderate	13:39	10.7	Surface	1.0	0.2	151	29.3	29.3	8.1	8.1	26.1	26.1	115.5	115.5	7.7	7.4	10.0	13.0	8	11	85	89	825669	806938	<0.2	<0.2	1.8	1.8
						1.0	0.2	156	29.3		8.1		26.1		115.4		7.7		10.0		8		85				<0.2		1.7	
					Middle	5.4	0.2	163	29.1	29.1	8.1	8.1	27.5	27.5	105.6	105.6	7.0		13.6		10		90				<0.2		1.7	
						5.4	0.2	178	29.1		8.1		27.5		105.5		7.0		13.5		11		89				<0.2		1.8	
					Bottom	9.7	0.3	170	29.2	29.2	8.0	8.0	29.1	29.1	83.0	83.1	5.4	5.4	15.3		13		93				<0.2		1.8	
						9.7	0.4	177	29.2		8.0		29.1		83.1		5.4		15.3		14		93				<0.2		1.7	
C3	Fine	Moderate	11:00	9.8	Surface	1.0	0.5	68	29.4	29.4	8.1	8.1	28.5	28.4	107.4	107.6	7.0	6.2	8.8	7.3	11	12	85	90	822087	817789	<0.2	<0.2	1.2	1.2
						1.0	0.5	69	29.4		8.1		28.4		107.8		7.0		9.0		12		86				<0.2		1.1	
					Middle	4.9	0.2	71	29.1	29.1	8.0	8.0	30.1	30.1	82.0	82.0	5.3		6.5		13		89				<0.2		1.2	
						4.9	0.2	75	29.1		8.0		30.1		82.0		5.3		6.5		13		90				<0.2		1.3	
					Bottom	8.8	0.3	81	29.1	29.1	8.0	8.0	30.1	30.1	82.4	82.4	5.4	5.4	6.4		11		94				<0.2		1.2	
						8.8	0.3	88	29.1		8.0		30.2		82.4		5.4		6.4		10		93				<0.2		1.4	
IM1	Fine	Moderate	11:49	5.7	Surface	1.0	0.2	149	29.2	29.2	8.0	8.0	27.2	27.2	128.1	128.0	8.4	8.4	5.6	7.7	7	9	86	88	817934	807122	<0.2	<0.2	1.7	1.6
						1.0	0.3	153	29.2		8.0		27.2		127.8		8.4		5.6		8		85				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.3	171	29.2	29.2	7.9	7.9	27.8	27.8	112.8	112.8	7.4	7.4	9.9		9		89				<0.2		1.5	
						4.7	0.3	186	29.2		7.9		27.8		112.8		7.4		9.9		11		90				<0.2		1.5	
IM2	Fine	Moderate	11:57	7.6	Surface	1.0	0.1	172	29.0	29.0	7.9	7.9	26.8	26.9	116.9	116.8	7.8	7.5	5.1	8.2	7	7	86	88	818181	806189	<0.2	<0.2	1.7	1.6
						1.0	0.1	188	29.0		7.9		26.9		116.7		7.7		5.5		6		85				<0.2		1.6	
					Middle	3.8	0.1	154	29.0	29.0	7.9	7.9	28.1	28.2	108.9	108.9	7.2		8.4		7		87				<0.2		1.6	
						3.8	0.1	155	29.0		7.9		28.2		108.8		7.2		8.3		7		88				<0.2		1.6	
					Bottom	6.6	0.1	129	29.0	29.0	7.9	7.9	28.7	28.7	103.2	103.3	6.8	6.8	11.2		6		90				<0.2		1.4	
						6.6	0.1	132	29.0		7.9		28.7		103.4		6.8		11.0		8		90				<0.2		1.5	
IM3	Fine	Moderate	12:04	7.8	Surface	1.0	0.1	113	29.0	29.0	7.9	7.9	27.7	27.8	116.0	115.9	7.7	7.2	7.1	9.2	6	6	86	88	818766	805573	<0.2	<0.2	1.8	1.7
						1.0	0.1	116	29.0		7.9		27.8		115.7		7.6		7.3		6		86				<0.2		1.7	
					Middle	3.9	0.1	119	29.0	29.0	7.9	7.9	28.6	28.6	103.8	103.8	6.8		9.7		6		87				<0.2		1.8	
						3.9	0.1	125	29.0		7.9		28.6		103.8		6.8		9.8		7		88				<0.2		1.6	
					Bottom	6.8	0.1	113	29.0	29.0	7.9	7.9	28.9	28.9	101.3	101.5	6.7	6.7	10.6		6		90				<0.2		1.4	
						6.8	0.1	117	29.0		7.9		28.9		101.6		6.7		10.7		7		91				<0.2		1.7	
IM4	Fine	Moderate	12:11	8.2	Surface	1.0	0.5	165	29.2	29.2	7.9	7.9	25.2	25.2	122.0	121.9	8.1	7.4	2.9	8.2	4	4	86	88	819716	804591	<0.2	<0.2	1.2	1.3
						1.0	0.5	176	29.2		7.9		25.2		121.7		8.1		3.3		4		85				<0.2		1.4	
					Middle	4.1	0.3	164	28.9	28.9	7.9	7.9	28.9	28.9	100.6	100.5	6.6		10.8		4		89				<0.2		1.2	
						4.1	0.3	167	28.9		7.9		28.9		100.4		6.6		10.8		4		88				<0.2		1.3	
					Bottom	7.2	0.2	153	28.9	28.9	7.9	7.9	29.0	29.0	101.4	101.5	6.7	6.7	10.6		4		90				<0.2		1.3	
						7.2	0.3	162	28.9		7.9		29.0		101.5		6.7		10.5		4		91				<0.2		1.3	
IM5	Fine	Moderate	12:20	7.8	Surface	1.0	0.3	227	29.1	29.1	7.9	7.9	25.1	25.1	121.0	120.9	8.1	7.6	6.4	8.7	5	6	86	88	820739	804875	<0.2	<0.2	1.7	1.6
						1.0	0.3	227	29.1		7.9		25.1		120.8		8.1		6.5		7		86				<0.2		1.4	
					Middle	3.9	0.2	208	29.0	29.0	7.9	7.9	27.7	27.7	107.5	107.5	7.1		8.6		6		87				<0.2		1.6	
						3.9	0.2	214	29.0		7.9		27.7		107.5		7.1		8.7		6		89				<0.2		1.5	
					Bottom	6.8	0.2	159	29.0	29.0	7.9	7.9	28.7	28.7	103.2	103.4	6.8	6.8	10.9		6		90				<0.2		1.6	
						6.8	0.2	162	29.0		7.9		28.6		103.5		6.8		10.9		8		89				<0.2		1.6	
IM6	Fine	Moderate	12:26	7.9	Surface	1.0	0.4	282	29.2	29.2	7.9	7.9	26.3	26.2	115.7	115.7	7.7	7.4	7.4	9.7	6	7	86	88	821078	805832	<0.2	<0.2	1.6	1.5
						1.0	0.4	294	29.2		7.9		26.2		115.7		7.7		7.7		6		85				<0.2		1.5	
					Middle	4.0	0.2	275	29.0	29.0	7.9	7.9	27.5	27.5	107.1	107.0	7.1		9.4		6		87				<0.2		1.5	
						4.0	0.2	298	29.0		7.9		27.5		106.8		7.1		9.6		8		88				<0.2		1.4	
					Bottom	6.9	0.2	251	29.0	29.0	7.9	7.9	28.1	28.1	104.5	104.6	6.9	6.9	12.1		6		90				<0.2		1.5	
						6.9	0.2	272	29.0		7.9		28.1		104.7		6.9		12.0		8		91				<0.2		1.5	
IM7	Fine	Moderate	12:31	7.7	Surface	1.0	0.1	256	29.3	29.3	7.9	7.9	25.8	25.9	118.9	119.0	7.9	7.5	5.8	9.5	7	7	85	88	821361	806843	<0.2	<0.2	1.6	1.6
						1.0	0.1	269	29.3		7.9		25.9		119.0		7.9		5.9		7		86				<0.2		1.5	
					Middle	3.9	0.0	208	29.0	29.0	7.9	7.9	27.5	27.6	108.8	108.5	7.2		10.5		6		87				<0.2		1.6	
						3.9	0.0	222	29.0		7.9		27.6		108.2		7.1		10.7		8		88				<0.2		1.5	
					Bottom	6.7	0.1	168	29.0	29.0	7.9	7.9	27.8	27.8	104.8	104.9	6.9	6.9	12.1		6		90				<0.2		1.5	
						6.7	0.1	181	29.0		7.9		27.8		104.9		6.9		12.1		6		91				<0.2		1.6	
IM8	Fine	Moderate	13:02	7.4	Surface	1.0	0.3	115	29.5	29.5	8.2	8.2	25.3	25.3	125.2	125.2	8.3	7.7	4.9	11.1	6	8	86	90	821833	808148	<0.2	<0.2	1.7	1.7
						1.0	0.3	119	29.5		8.2		25.3		125.1		8.3		4.9		6		85				<0.2		1.8	
					Middle	3.7	0.3	105	29.2	29.2	8.1	8.1	26.8	26.8	106.2	106.2	7.0		14.0		7		90				<0.2		1.7	
						3.7	0.3	107	29.2		8.1		26.8		106.2		7.0		14.0		7		90				<0.2		1.6	
					Bottom	6.4	0.3	61	29.0	29.0	8.1	8.1	27.3	27.3	106.8	106.8	7.1	7.1	14.5		9		94				<0.2		1.7	
						6.4	0.3	65	29.0		8.1		27.3		106.8		7.1		14.4		10		93				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 October 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	12:53	6.9	Surface	1.0	0.4	100	29.4	29.4	8.1	8.1	25.7	25.7	118.1	118.1	7.8	7.4	6.6	10.2	7	12	85	90	822094	808794	<0.2	<0.2	1.8	1.8
						1.0	0.4	107	29.4		8.1		25.7		118.0		7.8		6.7		8		86				<0.2		1.8	
					Middle	3.5	0.3	90	29.1	29.1	8.1	8.1	27.1	27.1	106.3	106.3	7.0		9.8		10		89				<0.2		1.8	
						3.5	0.3	96	29.1		8.1		27.1		106.3		7.0		9.8		11		90				<0.2		1.7	
					Bottom	5.9	0.3	80	29.0	29.0	8.1	8.1	27.3	27.3	107.2	107.2	7.1	7.1	14.1		17		94				<0.2		1.8	
						5.9	0.3	87	29.0		8.1		27.3		107.2		7.1		14.0		18		93				<0.2		1.7	
IM10	Fine	Moderate	12:39	7.0	Surface	1.0	0.6	122	29.3	29.3	8.1	8.1	26.1	26.1	113.4	113.3	7.5	7.2	8.1	10.7	6	10	85	90	822400	809773	<0.2	<0.2	2.0	1.9
						1.0	0.6	122	29.3		8.1		26.2		113.2		7.5		8.1		6		85				<0.2		2.0	
					Middle	3.5	0.6	111	29.2	29.2	8.1	8.1	27.0	27.0	104.6	104.6	6.9		10.7		10		90				<0.2		2.0	
						3.5	0.6	111	29.2		8.1		27.0		104.6		6.9		10.8		9		90				<0.2		1.8	
					Bottom	6.0	0.4	107	29.1	29.1	8.1	8.1	28.0	28.0	96.9	96.9	6.4	6.4	13.3		14		93				<0.2		1.8	
						6.0	0.4	109	29.1		8.1		28.0		96.9		6.4		13.3		12		94				<0.2		1.8	
IM11	Fine	Moderate	12:21	8.5	Surface	1.0	0.7	106	29.5	29.5	8.2	8.2	25.4	25.4	125.8	125.8	8.4	7.4	5.8	12.0	4	8	85	90	822064	811457	<0.2	<0.2	2.1	1.9
						1.0	0.7	106	29.5		8.2		25.4		125.8		8.3		5.8		5		85				<0.2		2.0	
					Middle	4.3	0.4	112	29.2	29.2	8.1	8.1	27.7	27.7	98.0	98.2	6.5		13.4		8		90				<0.2		1.9	
						4.3	0.5	120	29.2		8.1		27.7		98.3		6.5		13.3		8		90				<0.2		1.9	
					Bottom	7.5	0.4	113	29.2	29.2	8.0	8.0	28.1	28.1	93.8	93.8	6.2	6.2	16.9		11		94				<0.2		1.8	
						7.5	0.4	122	29.2		8.0		28.1		93.8		6.2		17.1		10		94				<0.2		1.9	
IM12	Fine	Moderate	12:12	9.9	Surface	1.0	0.6	107	29.5	29.5	8.2	8.2	25.7	25.7	126.9	126.8	8.4	7.7	6.8	10.3	8	9	85	90	821469	812031	<0.2	<0.2	2.0	1.9
						1.0	0.6	111	29.5		8.2		25.7		126.6		8.4		6.8		6		89				<0.2		1.8	
					Middle	5.0	0.4	91	29.2	29.2	8.1	8.1	27.1	27.1	106.3	106.3	7.0		12.6		8		90				<0.2		1.9	
						5.0	0.5	99	29.2		8.1		27.1		106.2		7.0		12.6		8		89				<0.2		1.8	
					Bottom	8.9	0.2	91	29.2	29.2	8.1	8.1	27.7	27.7	97.7	97.8	6.4	6.4	11.5		11		94				<0.2		1.9	
						8.9	0.2	93	29.2		8.1		27.7		97.8		6.4		11.6		12		93				<0.2		1.9	
SR1A	Fine	Moderate	11:40	5.3	Surface	1.0	-	-	29.7	29.7	8.2	8.2	27.1	27.1	122.0	121.8	8.0	8.0	4.2	7.9	4	6	-	-	819979	812663	-	-	-	-
						1.0	-	-	29.6		8.2		27.2		121.6		8.0		4.4		5		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	29.3	29.3	8.0	8.0	28.1	28.1	94.0	94.0	6.2	6.2	11.3		8		-				-		-	
						4.3	-	-	29.3		8.0		28.1		94.0		6.2		11.5		8		-				-		-	
SR2	Fine	Moderate	11:22	5.0	Surface	1.0	0.2	77	29.6	29.6	8.2	8.2	26.4	26.3	123.5	123.4	8.1	8.1	7.4	8.3	9	10	85	87	821480	814155	<0.2	<0.2	1.6	1.7
						1.0	0.2	80	29.6		8.2		26.3		123.3		8.1		7.3		8		85				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	27	29.4	29.4	8.1	8.1	26.9	26.9	115.5	115.5	7.6	7.6	9.3		12		90				<0.2		1.6	
						4.0	0.1	28	29.4		8.1		26.9		115.4		7.6		9.4		12		89				<0.2		1.7	
SR3	Fine	Moderate	13:11	8.1	Surface	1.0	0.1	105	29.3	29.3	8.2	8.2	25.8	25.8	121.1	121.1	8.0	7.5	7.4	10.3	6	9	-	-	822125	807589	-	-	-	-
						1.0	0.1	108	29.3		8.2		25.8		121.0		8.0		7.4		8		-				-		-	
					Middle	4.1	0.2	185	29.3	29.3	8.1	8.1	26.7	26.7	103.9	103.9	6.9		10.7		10		-				-		-	
						4.1	0.2	198	29.3		8.1		26.7		103.8		6.9		10.7		9		-				-		-	
					Bottom	7.1	0.1	125	29.2	29.2	8.1	8.1	27.3	27.3	101.8	101.8	6.7	6.7	12.8		11		-				-		-	
						7.1	0.1	133	29.2		8.1		27.4		101.8		6.7		12.8		11		-				-		-	
SR4A	Fine	Moderate	11:18	8.8	Surface	1.0	0.5	55	29.1	29.1	7.9	7.9	27.1	27.1	116.4	116.4	7.7	7.6	9.9	11.4	14	15	-	-	817184	807796	-	-	-	-
						1.0	0.5	55	29.1		7.9		27.1		116.4		7.7		9.9		15		-				-		-	
					Middle	4.4	0.4	59	29.1	29.1	7.9	7.9	27.2	27.2	113.7	113.7	7.5		10.9		15		-				-		-	
						4.4	0.5	60	29.1		7.9		27.2		113.6		7.5		11.0		15		-				-		-	
					Bottom	7.8	0.2	73	29.1	29.1	7.9	7.9	27.4	27.4	111.6	111.6	7.4	7.4	13.3		14		-				-		-	
						7.8	0.2	76	29.1		7.9		27.4		111.5		7.4		13.2		15		-				-		-	
SR5A	Fine	Moderate	11:01	4.9	Surface	1.0	0.3	122	29.2	29.2	7.8	7.8	27.7	27.7	104.5	104.5	6.9	6.9	11.3	12.0	10	10	-	-	816603	810705	-	-	-	-
						1.0	0.3	133	29.2		7.8		27.7		104.4		6.9		11.4		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	115	29.2	29.2	7.8	7.8	27.8	27.8	103.5	103.5	6.8	6.8	12.7		9		-				-		-	
						3.9	0.2	123	29.2		7.8		27.8		103.4		6.8		12.7		10		-				-		-	
SR6A	Fine	Moderate	10:34	4.7	Surface	1.0	0.1	318	29.2	29.2	7.9	7.9	26.7	26.7	109.2	109.0	7.2	7.2	6.3	6.3	9	9	-	-	817969	814741	-	-	-	-
						1.0	0.1	336	29.2		7.9		26.7		108.8		7.2		6.4		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	262	29.1	29.1	7.9	7.9	27.0	27.0	105.4	105.4	7.0	7.0	6.2		10		-				-		-	
						3.7	0.1	272	29.1		7.9		27.0		105.3		7.0		6.4		9		-				-		-	
SR7	Fine	Moderate	10:30	15.0	Surface	1.0	0.8	87	30.0	30.0	8.2	8.2	28.0	28.0	137.1	137.0	8.9	7.8	4.4	6.0	6	8	-	-	823613	823729	-	-	-	-
						1.0	0.8	95	30.0		8.2		28.0		136.9		8.9		4.4		5		-				-		-	
					Middle	7.5	0.2	64	29.4	29.4	8.1	8.1	29.3	29.3	103.6	103.7	6.7		6.7		6		-				-		-	
						7.5	0.2	66	29.4		8.1		29.3		103.8		6.8		6.6		7		-				-		-	
					Bottom	14.0	0.1	20	29.4	29.4	8.1	8.1	29.2	29.2	103.2	103.3	6.7	6.7	6.9		11		-				-		-	
						14.0	0.1	20	29.4		8.1		29.2		103.3		6.7		7.0		12		-				-		-	
SR8	Fine	Moderate	11:52	3.6	Surface	1.0	-	-	29.5	29.5	8.1	8.1	26.9	26.9	116.4	116.3	7.7	7.7	10.2	12.2	12	12	-	-	820385	811617	-	-	-	-
						1.0	-	-	29.5		8.1		26.9		116.1		7.6		10.2		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	29.3	29.3	8.1	8.1	27.5	27.5	104.6	104.8	6.9	6.9	14.3		12		-				-		-	
						2.6	-	-	29.3		8.1		27.5		105.0		6.9		14.1		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 12 October 19 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	17:50	8.2	Surface	1.0	0.1	49	29.2	29.2	7.9	7.9	27.6	27.7	118.3	118.1	7.8	7.3	7.1	9.3	5	6	86	88	815621	804234	<0.2	<0.2	1.9	1.9
						1.0	0.1	0	29.1		7.9		27.7		117.8		7.8		7.8		5		85				<0.2		2.0	
					Middle	4.1	0.1	85	29.0	29.0	7.9	7.9	28.8	28.8	103.4	103.4	6.8		11.5		6		87				<0.2		2.1	
						4.1	0.1	82	29.0		7.9		28.8		103.4		6.8		11.7		6		89				<0.2		1.9	
					Bottom	7.2	0.1	83	29.0	29.0	7.9	7.9	29.3	29.3	101.9	102.0	6.7	6.7	8.7		8		90				<0.2		1.8	
						7.2	0.1	77	29.0		7.9		29.3		102.1		6.7		9.0		8		90				<0.2		1.7	
C2	Fine	Moderate	17:05	10.9	Surface	1.0	0.2	56	29.3	29.3	8.1	8.1	26.1	26.1	114.6	114.6	7.6	7.3	10.3	13.7	7	8	88	92	825662	806959	<0.2	<0.2	1.8	1.7
						1.0	0.2	58	29.3		8.1		26.1		114.5		7.6		10.2		7		88				<0.2		1.7	
					Middle	5.5	0.2	51	29.1	29.1	8.1	8.1	27.5	27.5	105.0	105.0	6.9		13.2		9		91				<0.2		1.7	
						5.5	0.2	55	29.1		8.1		27.5		105.0		6.9		13.2		9		92				<0.2		1.7	
					Bottom	9.9	0.4	72	29.2	29.2	7.9	7.9	29.3	29.3	82.4	82.5	5.4	5.4	17.9		8		96				<0.2		1.6	
						9.9	0.4	76	29.2		7.9		29.3		82.5		5.4		17.3		8		96				<0.2		1.8	
C3	Fine	Moderate	19:05	9.7	Surface	1.0	0.1	223	29.2	29.2	8.0	8.0	28.8	28.8	95.1	95.2	6.2	5.7	4.3	8.0	4	5	88	92	822115	817781	<0.2	<0.2	1.8	1.6
						1.0	0.1	243	29.2		8.0		28.8		95.2		6.2		4.2		3		88				<0.2		1.6	
					Middle	4.9	0.0	241	29.0	29.0	8.0	8.0	30.6	30.6	80.1	80.1	5.2		8.6		4		92				<0.2		1.5	
						4.9	0.0	264	29.0		8.0		30.6		80.1		5.2		8.6		5		91				<0.2		1.5	
					Bottom	8.7	0.2	254	29.0	29.0	8.0	8.0	30.8	30.8	79.7	79.8	5.2	5.2	11.1		6		96				<0.2		1.5	
						8.7	0.2	266	29.0		8.0		30.8		79.8		5.2		11.4		6		95				<0.2		1.5	
IM1	Fine	Moderate	17:40	5.3	Surface	1.0	0.1	185	29.3	29.3	7.9	7.9	27.3	27.3	125.0	124.7	8.2	8.2	6.6	8.1	7	9	87	89	817936	807152	<0.2	<0.2	1.9	1.9
						1.0	0.1	194	29.2		7.9		27.4		124.3		8.2		7.1		8		86				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	199	29.2	29.2	7.9	7.9	27.9	27.9	110.2	110.3	7.2	7.3	9.4		10		90				<0.2		1.8	
						4.3	0.1	203	29.2		7.9		27.9		110.3		7.3		9.5		12		92				<0.2		1.8	
IM2	Fine	Moderate	17:34	7.5	Surface	1.0	0.2	354	29.0	29.0	7.9	7.9	27.0	26.7	119.3	118.7	7.9	7.5	5.6	7.3	4	4	86	88	818167	806145	<0.2	<0.2	1.8	1.8
						1.0	0.2	326	29.0		7.9		26.4		118.0		7.8		5.8		3		86				<0.2		1.9	
					Middle	3.8	0.1	344	29.0	29.0	7.9	7.9	28.2	28.2	108.7	108.7	7.2		7.6		3		89				<0.2		1.8	
						3.8	0.1	316	29.0		7.9		28.2		108.6		7.1		7.8		4		88				<0.2		1.8	
					Bottom	6.5	0.1	291	29.0	29.0	7.9	7.9	28.9	28.9	103.9	104.0	6.8	6.8	8.3		4		91				<0.2		1.8	
						6.5	0.1	305	29.0		7.9		28.9		104.1		6.8		8.8		5		90				<0.2		1.7	
IM3	Fine	Moderate	17:29	7.6	Surface	1.0	0.2	350	29.2	29.2	8.0	8.0	25.6	25.6	130.4	130.3	8.7	7.9	4.0	6.8	5	5	86	88	818771	805594	<0.2	<0.2	2.0	2.0
						1.0	0.2	322	29.2		8.0		25.6		130.2		8.7		4.3		3		85				<0.2		2.0	
					Middle	3.8	0.1	310	29.0	29.0	7.9	7.9	28.6	28.6	108.7	108.7	7.1		8.0		5		88				<0.2		2.0	
						3.8	0.1	338	29.0		7.9		28.6		108.6		7.1		8.0		4		89				<0.2		2.0	
					Bottom	6.6	0.0	241	29.0	29.0	7.9	7.9	28.9	28.9	103.8	103.9	6.8	6.8	8.2		6		91				<0.2		2.1	
						6.6	0.0	252	29.0		7.9		28.9		104.0		6.8		8.2		5		90				<0.2		2.0	
IM4	Fine	Moderate	17:22	7.6	Surface	1.0	0.0	16	29.2	29.2	7.9	7.9	26.4	26.4	118.7	118.5	7.9	7.2	6.6	9.2	7	8	86	88	819705	804612	<0.2	<0.2	1.9	1.9
						1.0	0.0	16	29.2		7.9		26.4		118.3		7.8		7.0		7		85				<0.2		1.9	
					Middle	3.8	0.1	16	29.0	29.0	7.9	7.9	28.8	28.8	100.3	100.3	6.6		10.2		6		87				<0.2		2.0	
						3.8	0.1	16	29.0		7.9		28.8		100.2		6.6		10.2		7		89				<0.2		1.8	
					Bottom	6.6	0.1	349	29.0	29.0	7.9	7.9	29.0	29.0	98.8	98.9	6.5	6.5	10.6		10		91				<0.2		1.8	
						6.6	0.1	354	29.0		7.9		29.0		98.9		6.5		10.6		9		90				<0.2		2.0	
IM5	Fine	Moderate	17:15	7.4	Surface	1.0	0.2	12	29.4	29.4	7.9	7.9	25.5	25.5	121.3	121.3	8.1	7.6	5.7	8.6	11	10	85	88	820748	804855	<0.2	<0.2	2.1	2.1
						1.0	0.2	12	29.3		7.9		25.5		121.2		8.1		5.6		11		86				<0.2		2.1	
					Middle	3.7	0.2	13	29.0	29.0	7.9	7.9	27.8	27.9	106.7	106.6	7.0		7.5		11		89				<0.2		2.1	
						3.7	0.2	13	29.0		7.9		27.9		106.5		7.0		7.7		10		88				<0.2		2.0	
					Bottom	6.4	0.1	22	28.9	28.9	7.9	7.9	28.9	28.9	97.8	97.9	6.4	6.4	12.5		9		91				<0.2		2.0	
						6.4	0.1	23	28.9		7.9		28.9		97.9		6.4		12.4		10		90				<0.2		2.1	
IM6	Fine	Moderate	17:08	7.9	Surface	1.0	0.2	25	29.2	29.2	7.9	7.9	25.9	25.9	115.3	115.2	7.7	7.3	7.4	10.3	11	9	86	88	821049	805844	<0.2	<0.2	1.9	2.0
						1.0	0.2	26	29.2		7.9		25.9		115.1		7.7		7.6		11		87				<0.2		2.0	
					Middle	4.0	0.1	22	29.0	29.0	7.9	7.9	28.1	28.1	103.5	103.5	6.8		9.9		9		88				<0.2		2.0	
						4.0	0.1	23	29.0		7.9		28.1		103.4		6.8		9.9		8		88				<0.2		1.8	
					Bottom	6.9	0.1	10	29.0	29.0	7.9	7.9	28.3	28.3	103.6	103.7	6.8	6.8	13.8		8		90				<0.2		2.0	
						6.9	0.1	11	29.0		7.9		28.3		103.7		6.8		13.5		9		90				<0.2		2.0	
IM7	Fine	Moderate	17:02	7.8	Surface	1.0	0.1	28	29.3	29.3	7.9	7.9	26.2	26.2	117.6	117.7	7.8	7.4	6.1	9.2	12	11	86	88	821370	806833	<0.2	<0.2	2.1	2.0
						1.0	0.1	30	29.3		7.9		26.1		117.7		7.8		6.2		11		85				<0.2		2.0	
					Middle	3.9	0.1	15	29.0	29.0	7.9	7.9	27.5	27.6	106.4	106.3	7.0		10.2		11		87				<0.2		2.0	
						3.9	0.1	17	29.0		7.9		27.6		106.2		7.0		10.2		10		88				<0.2		1.9	
					Bottom	6.8	0.2	13	29.0	29.0	7.9	7.9	27.8	27.8	106.7	106.8	7.0	7.1	11.6		11		91				<0.2		2.1	
						6.8	0.2	14	29.0		7.9		27.8		106.9		7.1		11.2		10		90				<0.2		2.0	
IM8	Fine	Moderate	17:25	7.5	Surface	1.0	0.4	346	29.4	29.4	8.1	8.1	25.5	25.5	115.9	115.9	7.7	7.5	6.1	8.9	7	9	89	92	821847	808138	<0.2	<0.2	1.8	1.8
						1.0	0.4	348	29.4		8.1		25.5		115.9		7.7		6.1		7		88				<0.2		1.7	
					Middle	3.8	0.4	342	29.2	29.2	8.1	8.1	26.0	26.0	109.5	109.5	7.3		8.2		9		92				<0.2		1.8	
						3.8	0.4	335	29.2		8.1		26.0		109.4		7.3		8.2		10		92				<0.2		1.8	
					Bottom	6.5	0.2	327	29.0	29.0	8.1	8.1	27.5	27.5	107.2	107.2	7.1	7.1	12.5		10		96				<0.2		1.7	
						6.5	0.2	322	29.0		8.1		27.5		107.2		7.1		12.5		12		96				<0.2		1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 October 19 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	17:35	7.2	Surface	1.0	0.3	316	29.4	29.4	8.1	8.1	25.7	25.7	114.4	114.4	7.6	7.4	8.4	12.3	9	15	88	92	822084	808795	<0.2	<0.2	1.8	1.8
						1.0	0.3	317	29.4		8.1		25.7		114.4		7.6		8.3		9		88				<0.2		1.7	
					Middle	3.6	0.4	297	29.1	29.1	8.1	8.1	27.1	27.1	109.5	109.5	7.2		11.7		16		92				<0.2		1.8	
						3.6	0.4	285	29.1		8.1		27.1		109.5		7.2		11.8		15		93				<0.2		1.8	
					Bottom	6.2	0.2	282	29.1	29.1	8.1	8.1	27.5	27.5	105.6	105.7	7.0	7.0	16.7		19		96				<0.2		1.8	
						6.2	0.2	289	29.1		8.1		27.5		105.7		7.0		16.7		20		96				<0.2		1.8	
IM10	Fine	Moderate	17:45	6.3	Surface	1.0	0.5	281	29.4	29.4	8.1	8.1	25.7	25.7	114.0	114.0	7.6	7.4	7.1	10.7	5	9	88	92	822402	809817	<0.2	<0.2	1.8	1.7
						1.0	0.5	288	29.4		8.1		25.7		113.9		7.6		7.1		6		88				<0.2		1.7	
					Middle	3.2	0.3	286	29.3	29.3	8.1	8.1	26.5	26.5	107.0	107.0	7.1		11.3		8		92				<0.2		1.6	
						3.2	0.3	292	29.3		8.1		26.5		107.0		7.1		11.3		10		92				<0.2		1.7	
					Bottom	5.3	0.2	273	29.3	29.3	8.0	8.0	27.0	27.0	102.4	102.5	6.8	6.8	13.6		13		96				<0.2		1.8	
						5.3	0.2	275	29.3		8.0		27.0		102.5		6.8		13.7		14		96				<0.2		1.8	
IM11	Fine	Moderate	17:56	7.4	Surface	1.0	0.1	271	29.3	29.3	8.1	8.1	27.8	27.8	100.2	100.2	6.6	6.4	11.2	11.9	14	16	88	92	822071	811443	<0.2	<0.2	1.6	1.6
						1.0	0.1	278	29.3		8.1		27.8		100.2		6.6		11.2		15		88				<0.2		1.6	
					Middle	3.7	0.2	247	29.2	29.2	8.0	8.0	28.1	28.1	94.5	94.5	6.2		13.0		16		92				<0.2		1.4	
						3.7	0.2	249	29.2		8.0		28.1		94.4		6.2		12.9		15		92				<0.2		1.6	
					Bottom	6.4	0.2	283	29.2	29.2	8.0	8.0	29.3	29.3	86.1	86.1	5.6	5.6	11.5		18		96				<0.2		1.6	
						6.4	0.2	287	29.2		8.0		29.3		86.1		5.6		11.5		17		96				<0.2		1.6	
IM12	Fine	Moderate	18:02	8.4	Surface	1.0	0.1	258	29.3	29.3	8.0	8.0	27.9	27.9	99.7	99.7	6.6	6.5	11.4	11.8	17	17	88	92	821445	812068	<0.2	<0.2	1.5	1.5
						1.0	0.1	262	29.3		8.0		27.9		99.6		6.5		11.5		15		88				<0.2		1.7	
					Middle	4.2	0.1	250	29.2	29.2	8.0	8.0	27.9	27.9	97.6	97.6	6.4		12.6		16		92				<0.2		1.4	
						4.2	0.1	260	29.2		8.0		27.9		97.6		6.4		12.7		17		92				<0.2		1.5	
					Bottom	7.4	0.2	147	29.2	29.2	8.0	8.0	28.4	28.4	93.5	93.6	6.1	6.1	11.5		17		96				<0.2		1.5	
						7.4	0.2	151	29.2		8.0		28.4		93.6		6.1		11.4		17		97				<0.2		1.6	
SR1A	Fine	Moderate	18:26	5.1	Surface	1.0	-	-	29.3	29.3	8.1	8.1	27.1	27.0	110.0	110.0	7.3	7.3	6.0	11.0	7	11	-	-	819980	812656	-	-	-	-
						1.0	-	-	29.3		8.1		27.0		109.9		7.3		6.0		8		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	29.2	29.2	8.0	8.0	28.0	28.0	96.0	96.2	6.3	6.3	16.1		14		-				-		-	
						4.1	-	-	29.2		8.0		28.0		96.3		6.3		16.1		14		-				-		-	
SR2	Fine	Moderate	18:43	4.7	Surface	1.0	0.2	330	29.3	29.3	8.1	8.1	27.2	27.2	107.1	107.0	7.1	7.1	7.1	10.3	8	14	88	90	821467	814151	<0.2	<0.2	1.5	1.5
						1.0	0.2	304	29.2		8.1		27.2		106.8		7.0		7.1		7		88				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	11	29.2	29.2	8.0	8.0	28.5	28.4	89.9	90.1	5.9	5.9	13.6		20		91				<0.2		1.5	
						3.7	0.1	11	29.2		8.0		28.4		90.3		5.9		13.5		22		92				<0.2		1.6	
SR3	Fine	Moderate	17:19	8.6	Surface	1.0	0.4	12	29.3	29.3	8.1	8.1	25.4	25.4	111.0	111.0	7.4	7.2	6.3	12.8	4	7	-	-	822160	807566	-	-	-	-
						1.0	0.4	12	29.3		8.1		25.4		111.0		7.4		6.3		4		-				-		-	
					Middle	4.3	0.3	11	29.2	29.2	8.1	8.1	26.6	26.6	106.3	106.3	7.0		15.3		8		-				-		-	
						4.3	0.3	12	29.2		8.1		26.6		106.3		7.0		15.2		7		-				-		-	
					Bottom	7.6	0.3	17	29.1	29.1	8.1	8.1	26.8	26.8	107.2	107.2	7.1	7.1	16.9		9		-				-		-	
						7.6	0.3	20	29.1		8.1		26.8		107.1		7.1		17.0		9		-				-		-	
SR4A	Fine	Moderate	18:03	8.4	Surface	1.0	0.1	229	29.4	29.4	7.9	7.9	27.3	27.3	121.7	121.5	8.0	7.8	13.6	13.0	8	10	-	-	817176	807791	-	-	-	-
						1.0	0.1	241	29.4		7.9		27.3		121.2		8.0		13.8		10		-				-		-	
					Middle	4.2	0.2	280	29.2	29.2	7.9	7.9	27.8	27.8	114.7	114.6	7.5		12.0		11		-				-		-	
						4.2	0.3	286	29.2		7.9		27.9		114.5		7.5		12.1		10		-				-		-	
					Bottom	7.4	0.3	271	29.2	29.2	7.9	7.9	28.1	28.0	107.7	107.7	7.1	7.1	13.1		10		-				-		-	
						7.4	0.3	273	29.2		7.9		28.0		107.7		7.1		13.4		11		-				-		-	
SR5A	Fine	Moderate	18:17	4.9	Surface	1.0	0.2	287	29.3	29.3	7.9	7.9	27.3	27.3	118.4	118.2	7.8	7.8	12.2	12.5	18	19	-	-	816593	810698	-	-	-	-
						1.0	0.2	288	29.3		7.9		27.3		118.0		7.8		12.2		20		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	279	29.2	29.2	7.9	7.9	27.4	27.4	113.3	113.2	7.5	7.5	12.5		20		-				-		-	
						3.9	0.1	285	29.2		8.0		27.4		113.1		7.5		13.0		19		-				-		-	
SR6A	Fine	Moderate	18:49	4.4	Surface	1.0	0.1	229	29.3	29.3	7.9	7.9	27.1	27.1	116.0	115.3	7.6	7.6	8.5	10.6	10	11	-	-	817985	814739	-	-	-	-
						1.0	0.1	230	29.3		7.9		27.2		114.5		7.6		8.8		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	278	29.3	29.3	7.9	7.9	27.4	27.4	99.9	100.0	6.6	6.6	12.6		12		-				-		-	
						3.4	0.1	279	29.3		7.9		27.4		100.0		6.6		12.6		14		-				-		-	
SR7	Fine	Moderate	19:36	14.7	Surface	1.0	0.1	287	29.1	29.1	8.0	8.0	30.4	30.4	79.8	79.8	5.2	5.2	6.4	8.4	6	9	-	-	823651	823738	-	-	-	-
						1.0	0.1	306	29.1		8.0		30.4		79.8		5.2		6.5		7		-				-		-	
					Middle	7.4	0.1	242	29.0	29.0	8.0	8.0	30.7	30.7	80.4	80.4	5.2		8.5		9		-				-		-	
						7.4	0.1	244	29.0		8.0		30.7		80.4		5.2		8.5		8		-				-		-	
					Bottom	13.7	0.1	283	29.0	29.0	8.0	8.0	31.0	31.0	80.1	80.1	5.2	5.2	10.2		10		-				-		-	
						13.7	0.1	288	29.0		8.0		31.0		80.1		5.2		10.2		12		-				-		-	
SR8	Fine	Moderate	18:15	4.5	Surface	1.0	-	-	29.3	29.3	8.1	8.1	27.0	27.0	110.9	110.9	7.3	7.3	5.7	9.5	8	10	-	-	820380	811624	-	-	-	-
						1.0	-	-	29.3		8.1		27.1		110.9		7.3		5.6		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	29.2	29.2	8.0	8.0	27.9	27.9	99.3	99.4	6.5	6.5	13.3		10		-				-		-	
						3.5	-	-	29.2		8.0		27.9		99.4		6.5		13.3		11		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 October 19 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	13:23	8.1	Surface	1.0	0.3	133	28.6	28.6	8.1	8.1	31.1	31.2	87.3	87.2	5.7	5.7	9.6	9.2	12	12	86	88	815609	804227	<0.2	<0.2	0.8	0.7
						1.0	0.3	146	28.6		8.1		31.2		87.1		5.7		9.6		14		87				<0.2		0.7	
					Middle	4.1	0.2	142	28.6	28.6	8.1	8.1	31.7	31.7	85.8	85.8	5.6		9.4		12		88				<0.2		0.8	
						4.1	0.2	143	28.6		8.1		31.7		85.8		5.6		9.4		12		87				<0.2		0.6	
					Bottom	7.1	0.2	129	28.6	28.6	8.1	8.1	31.7	31.7	86.0	86.0	5.6	5.6	8.5		10		91				<0.2		0.7	
						7.1	0.2	130	28.6		8.1		31.7		86.0		5.6		8.5		11		90				<0.2		0.8	
C2	Cloudy	Rough	12:04	8.2	Surface	1.0	0.4	142	28.8	28.8	7.8	7.8	27.5	27.5	90.1	90.1	6.0	6.0	4.3	8.7	11	11	83	88	825672	806929	<0.2	<0.2	0.8	0.9
						1.0	0.4	151	28.8		7.8		27.5		90.1		6.0		4.3		10		84				<0.2		0.8	
					Middle	4.1	0.4	120	28.7	28.7	7.8	7.8	27.8	27.8	89.9	90.0	6.0		8.1		9		87				<0.2		1.0	
						4.1	0.4	133	28.7		7.8		27.8		90.0		6.0		8.1		9		88				<0.2		0.9	
					Bottom	7.2	0.4	143	28.6	28.6	7.8	7.8	28.0	28.0	93.5	93.7	6.2	6.2	13.8		12		91				<0.2		0.8	
						7.2	0.4	156	28.6		7.8		28.0		93.9		6.2		13.8		14		92				<0.2		0.9	
C3	Cloudy	Rough	14:29	10.5	Surface	1.0	0.2	127	28.9	28.9	7.8	7.8	30.5	30.5	85.4	85.4	5.6	5.6	6.6	5.0	9	9	83	87	822112	817788	<0.2	<0.2	0.9	0.9
						1.0	0.2	142	28.9		7.8		30.5		85.3		5.6		6.6		10		83				<0.2		1.0	
					Middle	5.3	0.1	120	28.8	28.8	7.8	7.8	30.9	30.9	85.4	85.5	5.6		4.1		10		88				<0.2		1.0	
						5.3	0.1	125	28.8		7.8		30.9		85.6		5.6		4.2		9		88				<0.2		0.8	
					Bottom	9.5	0.2	133	28.8	28.8	7.8	7.8	30.9	30.9	87.6	87.8	5.7	5.7	4.4		9		91				<0.2		0.8	
						9.5	0.2	135	28.8		7.8		30.9		87.9		5.7		4.3		9		91				<0.2		0.7	
IM1	Cloudy	Moderate	12:55	5.6	Surface	1.0	0.2	105	28.4	28.4	8.1	8.1	30.6	30.6	87.3	87.4	5.7	5.7	9.9	10.3	11	11	86	88	817930	807131	<0.2	<0.2	0.6	0.7
						1.0	0.2	112	28.4		8.1		30.6		87.4		5.7		10.0		10		86				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	165	28.3	28.3	8.1	8.1	30.6	30.6	88.3	88.4	5.8	5.8	10.5		13		89				<0.2		0.6	
						4.6	0.2	168	28.3		8.1		30.6		88.4		5.8		10.6		12		90				<0.2		0.8	
IM2	Cloudy	Moderate	12:49	7.7	Surface	1.0	0.2	159	28.5	28.5	8.1	8.1	30.9	30.9	87.0	87.0	5.7	5.7	10.5	12.4	14	14	86	88	818175	806184	<0.2	<0.2	0.8	0.8
						1.0	0.2	130	28.5		8.1		30.9		86.9		5.7		10.8		14		86				<0.2		0.8	
					Middle	3.9	0.1	136	28.4	28.4	8.1	8.1	30.9	30.9	85.7	85.7	5.6		15.3		14		87				<0.2		0.8	
						3.9	0.1	133	28.4		8.1		30.9		85.7		5.6		15.5		14		88				<0.2		0.8	
					Bottom	6.7	0.1	126	28.4	28.4	8.1	8.1	30.9	30.9	86.2	86.4	5.7	5.7	11.4		15		90				<0.2		0.8	
						6.7	0.1	140	28.4		8.1		30.9		86.5		5.7		11.2		14		90				<0.2		0.7	
IM3	Cloudy	Moderate	12:41	7.8	Surface	1.0	0.2	159	28.5	28.5	8.1	8.1	31.2	31.2	87.2	87.2	5.7	5.7	14.7	13.5	20	20	86	88	818786	805614	<0.2	<0.2	0.7	0.7
						1.0	0.2	130	28.5		8.1		31.2		87.2		5.7		14.7		17		85				<0.2		0.6	
					Middle	3.9	0.2	107	28.4	28.4	8.1	8.1	31.2	31.2	86.4	86.4	5.7		12.3		20		87				<0.2		0.7	
						3.9	0.2	114	28.4		8.1		31.2		86.4		5.7		12.3		20		89				<0.2		0.8	
					Bottom	6.8	0.2	122	28.4	28.4	8.1	8.1	31.2	31.2	87.6	87.7	5.7	5.7	13.6		21		90				<0.2		0.7	
						6.8	0.2	115	28.4		8.1		31.2		87.8		5.7		13.6		22		91				<0.2		0.7	
IM4	Cloudy	Moderate	12:31	7.7	Surface	1.0	0.3	183	28.4	28.4	8.1	8.1	30.8	30.8	87.5	87.5	5.7	5.7	11.9	11.9	20	20	86	88	819728	804611	<0.2	<0.2	0.7	0.7
						1.0	0.3	186	28.4		8.1		30.8		87.4		5.7		11.7		17		86				<0.2		0.8	
					Middle	3.9	0.3	189	28.4	28.4	8.1	8.1	30.9	30.9	86.1	86.1	5.6		11.6		20		88				<0.2		0.8	
						3.9	0.3	190	28.4		8.1		30.9		86.1		5.6		11.5		19		89				<0.2		0.6	
					Bottom	6.7	0.3	188	28.4	28.4	8.0	8.0	30.9	30.9	87.1	87.2	5.7	5.7	12.7		23		90				<0.2		0.7	
						6.7	0.3	199	28.4		8.0		30.9		87.3		5.7		12.0		23		91				<0.2		0.7	
IM5	Cloudy	Moderate	12:22	7.4	Surface	1.0	0.6	211	28.4	28.4	8.1	8.1	30.8	30.8	87.5	87.5	5.7	5.7	15.6	14.1	19	19	85	88	820734	804853	<0.2	<0.2	0.7	0.7
						1.0	0.6	218	28.4		8.1		30.8		87.4		5.7		15.6		21		86				<0.2		0.7	
					Middle	3.7	0.6	225	28.4	28.4	8.1	8.1	30.8	30.8	86.5	86.5	5.7		12.2		21		87				<0.2		0.8	
						3.7	0.6	226	28.4		8.1		30.8		86.5		5.7		12.2		20		89				<0.2		0.7	
					Bottom	6.4	0.5	242	28.4	28.4	8.1	8.1	30.8	30.8	86.8	86.9	5.7	5.7	14.7		17		91				<0.2		0.6	
						6.4	0.5	249	28.4		8.1		30.8		86.9		5.7		14.7		18		90				<0.2		0.7	
IM6	Cloudy	Moderate	12:14	7.7	Surface	1.0	0.2	169	28.3	28.3	8.1	8.1	30.4	30.4	86.6	86.6	5.7	5.7	9.8	10.1	12	12	86	88	821080	805830	<0.2	<0.2	0.9	0.9
						1.0	0.3	163	28.3		8.1		30.4		86.6		5.7		9.8		10		87				<0.2		0.8	
					Middle	3.9	0.2	170	28.3	28.3	8.0	8.0	30.4	30.4	86.5	86.5	5.7		9.8		12		87				<0.2		0.9	
						3.9	0.3	175	28.3		8.0		30.4		86.5		5.7		9.8		13		89				<0.2		0.7	
					Bottom	6.7	0.3	169	28.3	28.3	8.0	8.0	30.4	30.4	86.7	86.7	5.7	5.7	10.8		15		91				<0.2		0.9	
						6.7	0.3	173	28.3		8.0		30.4		86.7		5.7		10.9		14		90				<0.2		0.9	
IM7	Cloudy	Moderate	12:03	7.8	Surface	1.0	0.1	204	28.4	28.4	8.1	8.1	29.2	29.3	88.2	88.2	5.8	5.8	6.6	10.0	10	10	85	88	821362	806843	<0.2	<0.2	0.8	0.8
						1.0	0.1	213	28.4		8.1		29.3		88.1		5.8		6.7		8		86				<0.2		0.9	
					Middle	3.9	0.2	182	28.3	28.3	8.1	8.1	30.1	30.1	87.1	87.1	5.7		11.8		9		87				<0.2		0.8	
						3.9	0.3	186	28.3		8.1		30.1		87.1		5.7		11.8		11		88				<0.2		0.9	
					Bottom	6.8	0.2	116	28.3	28.3	8.0	8.0	30.3	30.3	87.1	87.1	5.7	5.7	11.7		13		90				<0.2		0.8	
						6.8	0.2	120	28.3		8.0		30.3		87.1		5.7		11.6		14		90				<0.2		0.8	
IM8	Cloudy	Rough	12:41	7.9	Surface	1.0	0.1	162	28.6	28.6	7.8	7.8	28.4	28.4	89.5	89.4	5.9	5.8	4.2	5.5	16	16	84	87	821847	808160	<0.2	<0.2	0.8	0.9
						1.0	0.1	151	28.6		7.8		28.5		89.2		5.9		4.3		15		85				<0.2		1.0	
					Middle	4.0	0.3	163	28.3	28.3	7.9	7.9	29.9	29.9	87.0	87.0	5.7		5.8		16		87				<0.2		1.0	
						4.0	0.3	163	28.3		7.9		29.9		87.0		5.7		5.8		17		85				<0.2		0.8	
					Bottom	6.9	0.2	164	28.3	28.3	7.9	7.9	30.0	30.0	87.6	87.8	5.8	5.8	6.4		17		91				<0.2		0.7	
						6.9	0.3	156	28.3		7.9		30.0		87.9		5.8		6.4		16		91				<0.2		0.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 October 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	12:47	8.3	Surface	1.0	0.1	144	28.5	28.5	7.8	7.8	28.3	28.3	90.7	90.6	6.0	5.9	4.2	5.1	15	14	86	90	822090	808801	<0.2	<0.2	0.9	0.9
						1.0	0.1	147	28.5		7.8		28.3		90.5		6.0		4.2		14		87				<0.2		1.0	
					Middle	4.2	0.1	167	28.4	28.4	7.8	7.8	29.2	29.2	87.6	87.6	5.8		5.1		14		88				<0.2		0.8	
						4.2	0.2	158	28.4		7.8		29.3		87.5		5.8		5.1		12		89				<0.2		0.9	
					Bottom	7.3	0.3	143	28.4	28.4	7.8	7.8	29.6	29.6	87.8	87.9	5.8	5.8	6.0		14		93				<0.2		1.0	
						7.3	0.3	148	28.4		7.8		29.5		88.0		5.8		6.1		14		94				<0.2		1.0	
IM10	Cloudy	Rough	12:53	7.7	Surface	1.0	0.2	139	28.6	28.6	7.8	7.8	28.6	28.6	89.2	89.2	5.9	5.9	4.9	7.0	18	18	83	88	822372	809812	<0.2	<0.2	0.8	1.0
						1.0	0.2	142	28.6		7.8		28.6		89.2		5.9		4.9		18		84				<0.2		1.0	
					Middle	3.9	0.2	133	28.6	28.6	7.8	7.8	28.7	28.7	88.9	88.9	5.9		6.3		17		87				<0.2		1.0	
						3.9	0.2	131	28.6		7.8		28.7		88.9		5.9		6.3		17		88				<0.2		1.1	
					Bottom	6.7	0.1	121	28.6	28.6	7.8	7.8	28.8	28.8	89.9	89.9	5.9	5.9	9.8		18		92				<0.2		0.9	
						6.7	0.1	128	28.6		7.8		28.8		89.9		5.9		9.8		19		93				<0.2		1.0	
IM11	Cloudy	Rough	13:09	7.6	Surface	1.0	0.2	123	28.6	28.6	7.8	7.8	28.5	28.5	91.9	92.1	6.1	6.0	5.2	6.2	12	15	83	88	822047	811457	<0.2	<0.2	0.9	0.9
						1.0	0.2	122	28.6		7.8		28.5		92.3		6.1		5.2		14		84				<0.2		1.0	
					Middle	3.8	0.1	128	28.6	28.6	7.8	7.8	28.7	28.7	88.9	88.9	5.9		4.2		15		88				<0.2		1.0	
						3.8	0.1	143	28.6		7.8		28.7		88.9		5.9		4.2		17		89				<0.2		1.0	
					Bottom	6.6	0.2	131	28.6	28.6	7.8	7.8	28.8	28.8	89.5	89.6	5.9	5.9	9.3		16		91				<0.2		0.8	
						6.6	0.2	138	28.6		7.8		28.8		89.6		5.9		9.3		18		92				<0.2		0.9	
IM12	Cloudy	Rough	13:20	8.2	Surface	1.0	0.3	114	28.7	28.7	7.8	7.8	28.8	28.8	87.9	87.9	5.8	5.8	3.6	5.9	14	19	85	89	821442	812042	<0.2	<0.2	0.8	1.0
						1.0	0.3	116	28.7		7.8		28.8		87.9		5.8		3.6		13		85				<0.2		0.9	
					Middle	4.1	0.3	104	28.7	28.7	7.8	7.8	28.9	28.9	88.0	88.0	5.8		5.5		22		88				<0.2		1.1	
						4.1	0.3	120	28.7		7.8		28.9		88.0		5.8		5.6		22		87				<0.2		0.9	
					Bottom	7.2	0.3	134	28.7	28.7	7.8	7.8	28.9	28.9	88.9	89.1	5.9	5.9	8.6		23		93				<0.2		1.0	
						7.2	0.3	125	28.7		7.8		28.9		89.2		5.9		8.7		21		93				<0.2		1.0	
SR1A	Cloudy	Rough	13:39	4.6	Surface	1.0	-	-	28.8	28.8	7.8	7.8	28.9	28.9	87.9	87.9	5.8	5.8	11.4	13.4	9	9	-	-	819982	812655	-	-	-	-
						1.0	-	-	28.8		7.8		28.9		87.9		5.8		11.4		10		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	28.8	28.8	7.8	7.8	28.9	28.9	87.5	87.5	5.8	5.8	15.3		8		-				-		-	
						3.6	-	-	28.8		7.8		28.9		87.5		5.8		15.4		7		-				-		-	
SR2	Cloudy	Rough	13:53	4.8	Surface	1.0	0.0	64	28.8	28.8	7.8	7.8	29.0	29.0	89.0	89.1	5.9	5.9	5.6	6.0	10	13	83	86	821460	814171	<0.2	<0.2	0.9	0.9
						1.0	0.0	68	28.8		7.8		29.0		89.1		5.9		5.7		11		83				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	100	28.8	28.8	7.8	7.8	29.2	29.2	88.5	88.6	5.8	5.8	6.4		14		88				<0.2		0.9	
						3.8	0.1	101	28.8		7.8		29.2		88.7		5.8		6.4		16		88				<0.2		0.8	
SR3	Cloudy	Rough	12:35	8.4	Surface	1.0	0.1	190	28.6	28.6	7.8	7.8	28.3	28.3	90.4	90.4	6.0	6.0	5.9	7.9	14	18	-	-	822133	807569	-	-	-	-
						1.0	0.1	204	28.6		7.8		28.4		90.3		6.0		5.9		16		-				-		-	
					Middle	4.2	0.3	166	28.5	28.5	7.8	7.8	28.9	28.9	89.5	89.5	5.9		8.6		18		-				-		-	
						4.2	0.3	172	28.4		7.8		28.9		89.4		5.9		8.6		18		-				-		-	
					Bottom	7.4	0.3	167	28.4	28.4	7.8	7.8	29.0	29.0	89.4	89.4	5.9	5.9	9.2		20		-				-		-	
						7.4	0.4	172	28.4		7.8		29.0		89.4		5.9		9.2		20		-				-		-	
SR4A	Cloudy	Moderate	13:52	8.5	Surface	1.0	0.2	73	28.4	28.4	8.1	8.1	30.8	30.8	86.1	86.1	5.6	5.6	13.4	15.2	17	18	-	-	817188	807820	-	-	-	-
						1.0	0.2	74	28.4		8.1		30.8		86.0		5.6		14.0		16		-				-		-	
					Middle	4.3	0.3	79	28.4	28.4	8.1	8.1	30.8	30.8	85.9	85.9	5.6		16.1		18		-				-		-	
						4.3	0.3	83	28.4		8.1		30.8		85.9		5.6		16.1		18		-				-		-	
					Bottom	7.5	0.2	62	28.3	28.3	8.1	8.1	30.9	30.9	87.0	87.1	5.7	5.7	15.7		21		-				-		-	
						7.5	0.2	63	28.3		8.1		30.9		87.1		5.7		15.7		20		-				-		-	
SR5A	Cloudy	Moderate	14:09	4.9	Surface	1.0	0.1	70	28.4	28.4	8.0	8.0	29.5	29.6	87.7	87.7	5.8	5.8	8.3	9.5	8	9	-	-	816609	810689	-	-	-	-
						1.0	0.1	72	28.4		8.0		29.6		87.7		5.8		8.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	125	28.2	28.2	8.0	8.0	30.5	30.5	88.2	88.3	5.8	5.8	10.8		9		-				-		-	
						3.9	0.2	125	28.1		8.0		30.5		88.4		5.8		10.8		10		-				-		-	
SR6A	Cloudy	Moderate	14:44	5.0	Surface	1.0	0.0	25	28.8	28.8	8.0	8.0	28.2	28.2	87.8	87.8	5.8	5.8	8.5	9.4	10	9	-	-	817945	814760	-	-	-	-
						1.0	0.0	25	28.8		8.0		28.2		87.7		5.8		8.6		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	135	28.7	28.7	8.0	8.0	28.3	28.3	88.3	88.4	5.8	5.8	10.2		8		-				-		-	
						4.0	0.1	138	28.7		8.0		28.3		88.4		5.8		10.2		8		-				-		-	
SR7	Cloudy	Rough	14:56	15.9	Surface	1.0	0.3	9	28.8	28.8	7.8	7.8	31.1	31.1	84.3	84.3	5.5	5.5	3.6	4.0	5	5	-	-	823617	823730	-	-	-	-
						1.0	0.3	9	28.8		7.8		31.1		84.3		5.5		3.7		6		-				-		-	
					Middle	8.0	0.2	36	28.7	28.7	7.8	7.8	31.3	31.3	84.1	84.2	5.5		3.8		4		-				-		-	
						8.0	0.2	37	28.7		7.8		31.3		84.3		5.5		3.9		6		-				-		-	
					Bottom	14.9	0.1	139	28.7	28.7	7.8	7.8	31.4	31.4	85.7	85.8	5.6	5.6	4.6		4		-				-		-	
						14.9	0.1	145	28.7		7.8		31.4		85.9		5.6		4.6		4		-				-		-	
SR8	Cloudy	Rough	13:26	4.4	Surface	1.0	-	-	28.8	28.8	7.8	7.8	28.9	28.9	88.0	88.0	5.8	5.8	13.1	13.6	18	20	-	-	820396	811622	-	-	-	-
						1.0	-	-	28.8		7.8		28.9		88.0		5.8		13.1		19		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	28.7	28.7	7.8	7.8	28.9	28.9	89.8	90.1	5.9	5.9	14.1		22		-				-		-	
						3.4	-	-	28.7		7.8		28.9		90.3		5.9		14.1		20		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 October 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	08:07	8.4	Surface	1.0	0.4	30	28.5	28.5	8.1	8.0	31.4	31.4	85.0	85.0	5.6	5.5	11.5	12.8	19	21	86	88	815642	804240	<0.2	<0.2	0.5	0.6
						1.0	0.5	31	28.5		8.0		31.4		85.0		5.5		11.5		19		85				<0.2		0.6	
					Middle	4.2	0.4	36	28.5	28.5	8.0	8.0	31.4	31.4	84.8	84.8	5.5		13.3		20		88				<0.2		0.6	
						4.2	0.4	37	28.5		8.0		31.4		84.8		5.5		13.3		19		87				<0.2		0.5	
					Bottom	7.4	0.3	35	28.4	28.4	8.0	8.0	31.3	31.3	83.9	83.9	5.5	5.5	13.7		25		91				<0.2		0.6	
						7.4	0.4	37	28.4		8.0		31.2		83.8		5.5		13.7		26		90				<0.2		0.5	
C2	Cloudy	Rough	09:23	7.9	Surface	1.0	0.4	338	28.8	28.8	7.8	7.8	27.6	27.6	90.0	90.0	6.0	6.0	6.0	8.6	16	13	85	89	825665	806953	<0.2	<0.2	0.7	0.9
						1.0	0.4	342	28.8		7.8		27.6		89.9		6.0		6.0		15		85				<0.2		0.9	
					Middle	4.0	0.4	2	28.8	28.8	7.8	7.8	27.9	27.9	90.1	90.2	6.0		9.7		13		88				<0.2		0.8	
						4.0	0.4	2	28.8		7.8		27.9		90.2		6.0		9.8		13		89				<0.2		0.9	
					Bottom	6.9	0.3	6	28.8	28.8	7.7	7.7	27.9	27.9	91.0	91.1	6.0	6.0	10.2		10		93				<0.2		1.1	
						6.9	0.4	6	28.8		7.7		27.9		91.1		6.0		10.1		10		94				<0.2		1.0	
C3	Cloudy	Rough	07:28	11.6	Surface	1.0	0.6	294	28.8	28.8	7.8	7.8	29.3	29.3	87.0	87.0	5.7	5.6	4.0	6.2	5	8	83	87	822124	817792	<0.2	<0.2	1.2	1.0
						1.0	0.6	320	28.8		7.8		29.3		86.9		5.7		4.0		6		83				<0.2		1.0	
					Middle	5.8	0.6	286	28.9	28.9	7.8	7.8	29.8	29.8	85.0	84.9	5.6		6.1		8		87				<0.2		0.8	
						5.8	0.6	304	28.9		7.8		29.9		84.8		5.5		6.2		9		87				<0.2		1.0	
					Bottom	10.6	0.5	295	28.9	28.9	7.8	7.8	30.3	30.3	85.3	85.4	5.6	5.6	8.5		10		91				<0.2		0.8	
						10.6	0.5	314	28.9		7.8		30.3		85.5		5.6		8.5		9		91				<0.2		1.0	
IM1	Cloudy	Moderate	08:34	5.3	Surface	1.0	0.2	349	28.3	28.3	8.0	8.0	30.6	30.6	85.9	86.0	5.7	5.7	13.3	15.2	18	19	86	88	817945	807138	<0.2	<0.2	0.8	0.8
						1.0	0.2	352	28.3		8.0		30.6		86.0		5.7		13.3		17		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	22	28.2	28.2	8.0	8.0	30.6	30.6	86.8	86.9	5.7	5.7	17.1		20		89				<0.2		0.6	
						4.3	0.2	24	28.2		8.0		30.6		87.0		5.7		17.1		19		91				<0.2		0.8	
IM2	Cloudy	Moderate	08:43	7.2	Surface	1.0	0.2	356	28.4	28.4	8.1	8.1	30.7	30.7	86.4	86.4	5.7	5.7	11.2	13.6	21	22	86	88	818182	806165	<0.2	<0.2	0.8	0.7
						1.0	0.2	328	28.4		8.1		30.7		86.4		5.7		11.2		21		87				<0.2		0.7	
					Middle	3.6	0.3	1	28.4	28.4	8.0	8.0	30.9	30.9	86.2	86.2	5.7		12.3		21		88				<0.2		0.6	
						3.6	0.3	1	28.4		8.0		30.9		86.2		5.7		12.3		20		87				<0.2		0.7	
					Bottom	6.2	0.2	22	28.3	28.3	8.0	8.0	31.0	31.0	87.5	87.6	5.7	5.7	17.3		24		91				<0.2		0.8	
						6.2	0.2	23	28.3		8.0		31.0		87.6		5.7		17.3		25		90				<0.2		0.8	
IM3	Cloudy	Moderate	08:49	7.3	Surface	1.0	0.3	354	28.4	28.4	8.1	8.1	30.9	30.9	85.7	85.7	5.6	5.6	11.5	12.6	25	26	86	88	818780	805608	<0.2	<0.2	1.1	0.9
						1.0	0.3	326	28.4		8.1		30.9		85.6		5.6		11.4		24		86				<0.2		0.9	
					Middle	3.7	0.3	351	28.4	28.4	8.0	8.0	31.0	31.0	84.6	84.6	5.5		11.2		25		87				<0.2		0.8	
						3.7	0.4	323	28.4		8.0		31.0		84.5		5.5		11.9		27		88				<0.2		0.8	
					Bottom	6.3	0.3	352	28.4	28.4	8.0	8.0	30.9	30.8	83.5	83.5	5.5	5.5	15.0		26		90				<0.2		1.0	
						6.3	0.4	324	28.4		8.0		30.8		83.4		5.5		15.0		27		90				<0.2		1.0	
IM4	Cloudy	Moderate	08:58	7.8	Surface	1.0	0.5	357	28.3	28.3	8.1	8.1	30.6	30.6	87.4	87.4	5.7	5.7	12.0	12.5	18	22	86	88	819740	804619	<0.2	<0.2	0.8	0.9
						1.0	0.5	328	28.3		8.1		30.6		87.3		5.7		12.1		18		85				<0.2		0.9	
					Middle	3.9	0.5	352	28.4	28.4	8.0	8.0	30.8	30.8	86.2	86.3	5.7		12.3		22		88				<0.2		0.8	
						3.9	0.5	324	28.4		8.0		30.8		86.3		5.7		12.9		23		89				<0.2		0.9	
					Bottom	6.8	0.4	354	28.4	28.4	8.0	8.0	30.9	30.9	87.4	87.5	5.7	5.7	12.9		23		90				<0.2		0.9	
						6.8	0.4	358	28.4		8.0		30.9		87.6		5.7		12.8		25		91				<0.2		1.1	
IM5	Cloudy	Moderate	09:04	7.8	Surface	1.0	0.6	10	28.4	28.4	8.1	8.1	30.7	30.7	86.2	86.2	5.7	5.7	10.6	12.4	8	14	85	88	820722	804860	<0.2	<0.2	0.9	1.0
						1.0	0.6	10	28.4		8.1		30.7		86.2		5.7		10.6		10		86				<0.2		1.0	
					Middle	3.9	0.6	12	28.4	28.4	8.0	8.0	30.8	30.8	86.3	86.3	5.7		12.2		12		88				<0.2		1.0	
						3.9	0.6	12	28.4		8.0		30.8		86.3		5.7		12.2		11		89				<0.2		1.0	
					Bottom	6.8	0.5	14	28.4	28.4	8.0	8.0	30.7	30.7	87.5	87.5	5.7	5.7	14.2		19		91				<0.2		0.9	
						6.8	0.5	14	28.4		8.0		30.7		87.5		5.7		14.2		21		90				<0.2		0.9	
IM6	Cloudy	Moderate	09:11	7.9	Surface	1.0	0.3	121	28.3	28.3	8.0	8.0	30.3	30.3	87.1	87.1	5.7	5.7	17.4	17.3	9	13	86	88	821071	805842	<0.2	<0.2	0.8	0.9
						1.0	0.3	128	28.3		8.0		30.3		87.1		5.7		17.5		8		85				<0.2		0.8	
					Middle	4.0	0.3	124	28.3	28.3	8.0	8.0	30.3	30.3	87.0	87.0	5.7		18.0		10		88				<0.2		0.9	
						4.0	0.3	127	28.3		8.0		30.3		87.0		5.7		18.0		9		89				<0.2		1.0	
					Bottom	6.9	0.3	103	28.3	28.3	8.0	8.0	30.3	30.3	87.4	87.5	5.8	5.8	16.3		20		91				<0.2		0.9	
						6.9	0.3	110	28.3		8.0		30.3		87.5		5.8		16.3		21		90				<0.2		1.0	
IM7	Cloudy	Moderate	09:19	8.0	Surface	1.0	0.0	255	28.5	28.5	8.0	8.0	28.8	28.8	89.6	89.6	5.9	5.9	9.3	12.2	7	10	86	88	821356	806835	<0.2	<0.2	0.8	0.9
						1.0	0.0	268	28.5		8.0		28.9		89.5		5.9		9.3		5		87				<0.2		0.8	
					Middle	4.0	0.2	93	28.3	28.3	8.0	8.0	29.9	29.9	88.8	88.9	5.9		10.7		9		89				<0.2		1.0	
						4.0	0.2	95	28.3		8.0		29.9		88.9		5.9		10.8		9		87				<0.2		0.8	
					Bottom	7.0	0.3	107	28.3	28.3	8.0	8.0	30.2	30.2	89.3	89.4	5.9	5.9	16.6		15		91				<0.2		1.0	
						7.0	0.3	115	28.3		8.0		30.2		89.5		5.9		16.6		15		90				<0.2		1.0	
IM8	Cloudy	Rough	08:50	7.4	Surface	1.0	0.2	45	28.5	28.5	7.8	7.8	28.2	28.2	90.8	90.8	6.0	6.0	5.2	7.1	14	16	84	89	821813	808151	<0.2	<0.2	1.4	1.6
						1.0	0.2	45	28.5		7.8		28.2		90.7		6.0		5.2		15		85				<0.2		1.3	
					Middle	3.7	0.2	69	28.6	28.6	7.8	7.8	28.7	28.7	88.8	88.7	5.9		7.8		17		88				<0.2		1.5	
						3.7	0.2	74	28.5		7.8		28.8		88.6		5.9		7.8		17		88				<0.2		1.5	
					Bottom	6.4	0.3	75	28.4	28.4	7.8	7.8	29.9	29.9	88.6	88.7	5.8	5.8	8.3		16		93				<0.2		1.8	
						6.4	0.3	75	28.4		7.8		29.9		88.7		5.8		8.3		17		93				<0.2		2.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 October 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	08:45	7.6	Surface	1.0	0.1	98	28.5	28.5	7.8	7.8	28.3	28.3	90.4	90.4	6.0	6.0	3.6	5.0	4	8	83	89	822101	808822	<0.2	<0.2	1.6	1.5
						1.0	0.1	100	28.5		7.8		28.3		90.4		6.0		3.7		6		85				<0.2		1.4	
					Middle	3.8	0.2	47	28.5	28.5	7.8	7.8	28.3	28.3	90.0	90.0	6.0		5.2		4		90				<0.2		1.5	
						3.8	0.2	50	28.5		7.8		28.3		90.0		6.0		5.2		5		90				<0.2		1.6	
					Bottom	6.6	0.2	69	28.5	28.5	7.8	7.8	28.3	28.3	90.1	90.1	6.0	6.0	6.1		14		92				<0.2		1.3	
						6.6	0.2	69	28.5		7.8		28.3		90.1		6.0		6.1		14		92				<0.2		1.5	
IM10	Cloudy	Rough	08:35	7.1	Surface	1.0	0.2	122	28.5	28.5	7.8	7.8	28.3	28.3	90.5	90.5	6.0	6.0	2.8	4.6	14	13	85	89	822408	809812	<0.2	<0.2	1.7	1.4
						1.0	0.2	132	28.5		7.8		28.3		90.5		6.0		2.8		15		85				<0.2		1.7	
					Middle	3.6	0.1	151	28.5	28.5	7.8	7.8	28.3	28.3	90.7	90.7	6.0		4.5		15		88				<0.2		1.2	
						3.6	0.1	161	28.5		7.8		28.3		90.7		6.0		4.6		16		89				<0.2		1.3	
					Bottom	6.1	0.1	106	28.5	28.5	7.8	7.8	28.3	28.3	91.0	91.1	6.0	6.0	6.5		10		91				<0.2		1.4	
						6.1	0.1	106	28.5		7.8		28.3		91.1		6.0		6.5		10		93				<0.2		1.2	
IM11	Cloudy	Rough	08:27	6.9	Surface	1.0	0.5	319	28.6	28.6	7.8	7.8	28.6	28.6	90.0	90.0	6.0	6.0	5.8	7.1	16	14	85	89	822069	811469	<0.2	<0.2	1.1	1.4
						1.0	0.5	324	28.6		7.8		28.6		89.9		6.0		5.8		18		85				<0.2		1.3	
					Middle	3.5	0.5	320	28.6	28.6	7.8	7.8	28.6	28.6	89.9	89.9	5.9		6.9		14		88				<0.2		1.5	
						3.5	0.5	350	28.6		7.8		28.6		89.9		5.9		6.9		13		90				<0.2		1.5	
					Bottom	5.9	0.4	326	28.6	28.6	7.8	7.8	28.6	28.6	90.2	90.3	6.0	6.0	8.7		11		94				<0.2		1.4	
						5.9	0.4	355	28.6		7.8		28.6		90.3		6.0		8.7		9		94				<0.2		1.6	
IM12	Cloudy	Rough	08:14	7.3	Surface	1.0	0.3	227	28.7	28.7	7.8	7.8	28.8	28.8	89.2	89.2	5.9	5.9	3.5	6.1	20	14	85	89	821437	812047	<0.2	<0.2	1.6	1.5
						1.0	0.3	228	28.7		7.8		28.8		89.2		5.9		3.5		21		85				<0.2		1.5	
					Middle	3.7	0.3	236	28.7	28.7	7.8	7.8	28.8	28.8	89.7	89.8	5.9		6.2		13		89				<0.2		1.6	
						3.7	0.3	238	28.7		7.8		28.8		89.8		5.9		6.3		13		89				<0.2		1.4	
					Bottom	6.3	0.4	233	28.7	28.7	7.8	7.8	28.8	28.8	90.1	90.2	5.9	6.0	8.6		10		93				<0.2		1.3	
						6.3	0.4	255	28.7		7.8		28.8		90.2		6.0		8.6		9		93				<0.2		1.4	
SR1A	Cloudy	Rough	07:57	4.8	Surface	1.0	-	-	28.6	28.6	7.8	7.8	27.9	27.9	88.1	88.1	5.8	5.8	3.0	3.8	8	8	-	-	819975	812659	-	-	-	-
						1.0	-	-	28.6		7.8		27.9		88.1		5.8		3.0		7		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.6	28.6	7.8	7.8	27.9	27.9	89.2	89.3	5.9	5.9	4.6		7		-				-		-	
						3.8	-	-	28.6		7.8		27.9		89.4		5.9		4.6		8		-				-		-	
SR2	Cloudy	Rough	07:47	4.5	Surface	1.0	0.8	312	28.7	28.7	7.8	7.8	28.8	28.8	88.9	89.0	5.9	5.9	4.8	5.6	7	7	88	90	821453	814189	<0.2	<0.2	1.4	1.3
						1.0	0.8	323	28.7		7.8		28.8		89.0		5.9		4.8		5		88				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.6	321	28.7	28.7	7.8	7.8	28.9	28.9	90.0	90.2	5.9	6.0	6.4		7		91				<0.2		1.3	
						3.5	0.6	327	28.7		7.8		28.9		90.4		6.0		6.5		8		91				<0.2		1.2	
SR3	Cloudy	Rough	08:55	8.2	Surface	1.0	0.4	341	28.6	28.6	7.8	7.8	28.2	28.2	91.4	91.4	6.1	6.1	5.0	6.8	18	16	-	-	822148	807578	-	-	-	-
						1.0	0.4	348	28.6		7.8		28.2		91.3		6.1		5.3		18		-				-		-	
					Middle	4.1	0.4	353	28.6	28.6	7.8	7.8	28.2	28.2	90.6	90.6	6.0		5.9		15		-				-		-	
						4.1	0.4	354	28.6		7.8		28.2		90.6		6.0		5.9		15		-				-		-	
					Bottom	7.2	0.4	354	28.3	28.3	7.8	7.8	29.9	29.9	92.0	92.3	6.1	6.1	9.3		14		-				-		-	
						7.2	0.4	326	28.3		7.8		29.9		92.5		6.1		9.3		15		-				-		-	
SR4A	Cloudy	Moderate	07:32	8.4	Surface	1.0	0.4	272	28.3	28.3	8.1	8.1	30.6	30.6	85.8	85.8	5.6	5.6	15.2	13.3	19	20	-	-	817197	807815	-	-	-	-
						1.0	0.5	240	28.3		8.1		30.6		85.8		5.6		15.2		18		-				-		-	
					Middle	4.2	0.5	267	28.2	28.2	8.0	8.0	30.6	30.6	85.6	85.7	5.6		11.9		20		-				-		-	
						4.2	0.5	269	28.2		8.0		30.6		85.7		5.6		11.9		21		-				-		-	
					Bottom	7.4	0.4	270	28.2	28.2	8.0	8.0	30.6	30.6	86.5	86.6	5.7	5.7	12.8		20		-				-		-	
						7.4	0.4	271	28.2		8.0		30.6		86.6		5.7		12.8		20		-				-		-	
SR5A	Cloudy	Moderate	07:14	4.9	Surface	1.0	0.1	204	28.5	28.5	8.0	8.0	28.2	28.2	86.6	86.6	5.8	5.8	8.0	8.9	9	11	-	-	816602	810694	-	-	-	-
						1.0	0.1	213	28.5		8.0		28.2		86.6		5.8		8.1		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	263	28.5	28.5	8.0	8.0	28.3	28.3	86.4	86.4	5.7	5.7	9.7		12		-				-		-	
						3.9	0.0	265	28.5		8.0		28.3		86.4		5.7		9.7		12		-				-		-	
SR6A	Cloudy	Moderate	06:45	4.0	Surface	1.0	0.1	227	28.8	28.8	8.0	8.0	27.9	27.9	86.3	86.3	5.7	5.7	8.7	11.1	7	8	-	-	817941	814736	-	-	-	-
						1.0	0.1	233	28.8		8.0		27.9		86.3		5.7		8.7		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	280	28.9	28.9	7.9	7.9	28.5	28.5	86.5	86.6	5.7	5.7	13.3		7		-				-		-	
						3.0	0.1	281	28.9		7.9		28.6		86.6		5.7		13.7		8		-				-		-	
SR7	Cloudy	Rough	07:04	16.8	Surface	1.0	0.2	297	28.7	28.7	7.8	7.8	29.4	29.4	85.7	85.7	5.6	5.6	4.2	4.5	4	6	-	-	823645	823727	-	-	-	-
						1.0	0.2	304	28.7		7.8		29.4		85.7		5.6		4.3		4		-				-		-	
					Middle	8.4	0.2	202	28.8	28.8	7.8	7.8	29.8	29.8	85.1	85.1	5.6		4.6		5		-				-		-	
						8.4	0.2	207	28.8		7.8		29.8		85.1		5.6		4.7		4		-				-		-	
					Bottom	15.8	0.1	201	28.8	28.8	7.8	7.8	29.8	29.8	85.2	85.2	5.6	5.6	4.6		8		-				-		-	
						15.8	0.1	204	28.8		7.8		29.8		85.2		5.6		4.6		10		-				-		-	
SR8	Cloudy	Rough	08:06	4.3	Surface	1.0	-	-	28.6	28.7	7.8	7.8	28.5	28.5	90.6	90.7	6.0	6.0	11.8	12.9	8	8	-	-	820401	811624	-	-	-	-
						1.0	-	-	28.7		7.8		28.5		90.7		6.0		11.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	28.7	28.7	7.8	7.8	28.6	28.6	92.2	92.6	6.1	6.1	13.9		8		-				-		-	
						3.3	-	-	28.7		7.8		28.6		92.9		6.1		14.0		9		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 October 19 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	Sunny	Moderate	14:07	7.4	Surface	1.0	0.3	138	27.2	27.2	8.2	8.2	30.9	31.0	88.2	88.1	5.9	5.9	13.4	16.8	10	10	87	88	815643	804262	<0.2	<0.2	1.2	1.0
						1.0	0.4	133	27.1		8.2		31.0		88.0		5.9		14.4		11		85				<0.2		1.1	
					Middle	3.7	0.3	135	27.1	27.1	8.2	8.2	31.2	31.2	87.9	87.9	5.9		17.3		11		88				<0.2		1.0	
						3.7	0.3	137	27.1		8.2		31.2		87.9		5.9		17.4		10		87				<0.2		0.8	
					Bottom	6.4	0.2	144	27.1	27.1	8.1	8.1	31.2	31.2	89.1	89.4	6.0	6.0	19.2		10		90				<0.2		1.0	
						6.4	0.3	152	27.1		8.1		31.2		89.6		6.0		19.2		9		89				<0.2		1.0	
C2	Fine	Moderate	13:07	12.1	Surface	1.0	0.3	161	28.6	28.6	7.9	7.9	26.8	26.8	88.3	88.3	5.9	5.8	6.7	9.2	7	7	83	87	825700	806933	<0.2	<0.2	1.5	1.9
						1.0	0.3	188	28.6		7.9		26.8		88.3		5.9		6.7		6		83				<0.2		1.6	
					Middle	6.1	0.2	181	28.7	28.7	7.9	7.9	27.1	27.1	86.0	86.0	5.7		11.7		6		88				<0.2		2.1	
						6.1	0.3	172	28.7		7.9		27.1		86.0		5.7		11.7		7		88				<0.2		2.1	
					Bottom	11.1	0.2	156	28.7	28.7	7.9	7.9	27.4	27.4	87.5	87.5	5.8	5.8	9.3		7		89				<0.2		2.1	
						11.1	0.2	165	28.7		7.9		27.4		87.5		5.8		9.3		7		89				<0.2		1.9	
C3	Fine	Moderate	15:09	12.5	Surface	1.0	0.1	46	28.8	28.8	7.8	7.8	30.9	30.9	83.1	83.1	5.4	5.4	6.3	8.9	8	10	87	88	822119	817797	<0.2	<0.2	1.7	1.6
						1.0	0.1	52	28.8		7.8		30.9		83.1		5.4		6.3		8		87				<0.2		1.8	
					Middle	6.3	0.2	44	28.7	28.7	7.8	7.8	30.9	30.9	83.1	83.1	5.4		8.4		8		88				<0.2		1.7	
						6.3	0.2	50	28.7		7.8		30.9		83.1		5.4		8.4		10		89				<0.2		1.5	
					Bottom	11.5	0.2	48	28.7	28.7	7.8	7.8	30.9	30.9	84.6	84.6	5.5	5.5	11.9		13		89				<0.2		1.3	
						11.5	0.2	52	28.7		7.8		30.9		84.6		5.5		11.9		15		89				<0.2		1.3	
IM1	Sunny	Moderate	13:53	5.2	Surface	1.0	0.1	210	27.1	27.1	8.2	8.2	30.7	30.8	91.2	91.1	6.1	6.1	8.0	8.1	9	9	85	87	817956	807110	<0.2	<0.2	1.1	1.6
						1.0	0.1	208	27.1		8.2		30.8		91.0		6.1		8.1		9		86				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	220	26.9	26.9	8.1	8.1	31.4	31.4	91.8	91.9	6.2	6.2	8.1		10		88				<0.2		2.2	
						4.2	0.1	214	26.8		8.1		31.5		92.0		6.2		8.2		9		90				<0.2		2.0	
IM2	Sunny	Moderate	13:46	7.1	Surface	1.0	0.2	209	27.2	27.2	8.2	8.2	30.9	30.9	88.5	88.3	5.9	5.9	10.7	12.5	9	9	85	87	818184	806151	<0.2	<0.2	1.8	1.6
						1.0	0.2	211	27.2		8.2		31.0		88.0		5.9		11.1		10		86				<0.2		1.7	
					Middle	3.6	0.2	205	27.1	27.1	8.2	8.2	31.1	31.1	87.1	87.1	5.8		12.4		9		86				<0.2		1.7	
						3.6	0.2	204	27.1		8.2		31.1		87.1		5.8		12.1		9		87				<0.2		1.6	
					Bottom	6.1	0.2	217	27.1	27.1	8.2	8.2	31.1	31.1	87.5	87.6	5.9	5.9	14.8		9		89				<0.2		1.3	
						6.1	0.2	203	27.1		8.2		31.1		87.7		5.9		14.1		10		90				<0.2		1.4	
IM3	Sunny	Moderate	13:38	8.0	Surface	1.0	0.3	200	27.2	27.2	8.2	8.2	31.0	31.0	89.2	89.1	6.0	5.9	12.6	16.4	11	11	85	87	818771	805590	<0.2	<0.2	1.3	1.5
						1.0	0.3	220	27.2		8.2		31.0		88.9		5.9		13.4		11		86				<0.2		1.2	
					Middle	4.0	0.3	234	27.1	27.1	8.2	8.2	31.2	31.2	87.5	87.5	5.8		18.0		11		86				<0.2		1.3	
						4.0	0.3	235	27.1		8.2		31.2		87.4		5.8		17.7		11		87				<0.2		1.2	
					Bottom	7.0	0.2	220	27.1	27.1	8.2	8.2	31.2	31.2	87.4	87.5	5.8	5.9	18.6		10		89				<0.2		2.1	
						7.0	0.2	218	27.1		8.2		31.2		87.5		5.9		18.3		9		90				<0.2		2.0	
IM4	Sunny	Moderate	13:29	8.2	Surface	1.0	0.6	248	27.2	27.2	8.2	8.2	30.4	30.4	91.0	91.0	6.1	6.0	10.7	14.6	11	11	85	87	819742	804588	<0.2	<0.2	1.9	2.2
						1.0	0.6	255	27.2		8.2		30.4		90.9		6.1		10.6		8		85				<0.2		2.0	
					Middle	4.1	0.5	253	27.1	27.1	8.2	8.2	31.1	31.1	87.4	87.4	5.8		15.7		12		87				<0.2		2.4	
						4.1	0.5	242	27.1		8.2		31.1		87.4		5.8		15.3		12		88				<0.2		2.3	
					Bottom	7.2	0.4	251	27.1	27.1	8.1	8.1	31.2	31.2	87.5	87.6	5.9	5.9	17.6		11		90				<0.2		2.5	
						7.2	0.4	232	27.1		8.1		31.2		87.7		5.9		17.8		12		89				<0.2		2.3	
IM5	Sunny	Moderate	13:20	7.1	Surface	1.0	0.6	216	27.1	27.1	8.2	8.2	30.8	30.8	86.7	86.7	5.8	5.8	12.8	14.9	13	13	85	87	820741	804889	<0.2	<0.2	1.0	1.0
						1.0	0.7	220	27.1		8.2		30.9		86.7		5.8		12.4		12		85				<0.2		0.9	
					Middle	3.6	0.6	211	27.0	27.0	8.2	8.2	31.0	31.0	86.7	86.7	5.8		14.6		12		86				<0.2		1.0	
						3.6	0.6	220	27.0		8.2		31.0		86.7		5.8		14.6		11		86				<0.2		1.0	
					Bottom	6.1	0.5	216	27.0	27.0	8.2	8.1	31.0	31.0	86.7	86.8	5.8	5.8	17.5		14		89				<0.2		1.0	
						6.1	0.5	208	27.0		8.1		31.0		86.8		5.8		17.6		14		89				<0.2		0.9	
IM6	Sunny	Moderate	13:12	7.5	Surface	1.0	0.3	226	27.0	27.0	8.2	8.2	31.0	31.0	88.1	88.1	5.9	5.9	13.2	13.3	17	17	86	87	821054	805840	<0.2	<0.2	1.0	0.9
						1.0	0.3	222	27.0		8.2		31.0		88.0		5.9		13.2		16		85				<0.2		0.9	
					Middle	3.8	0.2	235	27.0	27.0	8.1	8.1	31.0	31.0	88.0	88.0	5.9		13.4		17		86				<0.2		0.8	
						3.8	0.2	237	27.0		8.1		31.0		88.0		5.9		13.4		18		87				<0.2		0.8	
					Bottom	6.5	0.2	259	27.0	27.0	8.1	8.1	31.0	31.0	88.5	88.6	5.9	5.9	13.5		17		89				<0.2		0.8	
						6.5	0.2	230	27.0		8.1		31.0		88.6		5.9		13.4		18		89				<0.2		0.9	
IM7	Sunny	Moderate	13:06	8.5	Surface	1.0	0.1	219	27.3	27.3	8.1	8.1	29.2	29.3	88.1	88.1	5.9	5.9	8.6	13.4	11	11	85	87	821333	806811	<0.2	<0.2	0.8	0.8
						1.0	0.1	201	27.2		8.1		29.5		88.0		5.9		9.4		11		86				<0.2		0.8	
					Middle	4.3	0.3	237	27.1	27.1	8.2	8.2	30.6	30.6	87.9	87.9	5.9		13.7		12		87				<0.2		1.0	
						4.3	0.3	241	27.0		8.2		30.7		87.9		5.9		14.2		12		86				<0.2		0.8	
					Bottom	7.5	0.3	225	27.0	27.0	8.2	8.2	31.2	31.2	88.0	88.1	5.9	5.9	17.4		10		89				<0.2		0.7	
						7.5	0.3	229	27.0		8.2		31.1		88.2		5.9		17.5		10		90				<0.2		0.8	
IM8	Fine	Moderate	13:43	7.4	Surface	1.0	0.2	200	28.6	28.6	8.0	8.0	27.4	27.4	90.6	90.6	6.0	6.0	9.4	10.7	7	7	84	87	821823	808162	<0.2	<0.2	1.1	1.1
						1.0	0.2	194	28.6		8.0		27.4		90.6		6.0		9.4		7		84				<0.2		1.0	
					Middle	3.7	0.2	192	28.3	28.3	8.0	8.0	28.7	28.7	90.5	90.5	6.0		10.2		7		88				<0.2		1.2	
						3.7	0.3	217	28.3		8.0		28.7		90.5		6.0		10.2		7		88				<0.2		1.1	
					Bottom	6.4	0.1	213	28.2	28.2	8.0	8.0	29.9	29.9	93.4	93.4	6.2	6.2	12.6		8		88				<0.2		1.2	
						6.4	0.2	209	28.2		8.0		29.9		93.4		6.2		12.6		7		89				<0.2		1.1	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Water Quality Monitoring
Water Quality Monitoring Results on 17 October 19 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	13:49	7.6	Surface	1.0	0.2	196	28.6	28.6	8.0	8.0	27.5	27.5	91.6	91.6	6.1	6.1	6.7	8.3	7	7	84	87	822110	808798	<0.2	<0.2	1.0	1.1
						1.0	0.2	185	28.6		8.0		27.5		91.6		6.1		6.7				85				<0.2		1.0	
					Middle	3.8	0.2	176	28.5	28.5	8.0	8.0	27.9	27.9	90.0	90.0	6.0		8.8		6		88				<0.2		1.0	
						3.8	0.2	180	28.5		8.0		27.9		90.0		6.0		8.8		7		88				<0.2		1.0	
					Bottom	6.6	0.0	183	28.3	28.3	8.0	8.0	28.9	28.9	94.7	94.7	6.3	6.3	9.5		7		89				<0.2		1.4	
						6.6	0.0	194	28.3		8.0		28.9		94.7		6.3		9.5		6		89				<0.2		1.3	
IM10	Fine	Moderate	13:56	7.4	Surface	1.0	0.2	183	28.4	28.4	8.1	8.1	29.3	29.3	90.2	90.2	6.0	6.0	14.5	15.1	16	15	84	87	822395	809808	<0.2	<0.2	1.2	1.2
						1.0	0.2	185	28.4		8.1		29.3		90.2		6.0		14.5		16		84				<0.2		1.2	
					Middle	3.7	0.3	173	28.4	28.4	8.1	8.1	29.3	29.3	90.8	90.8	6.0		15.2		16		87				<0.2		1.2	
						3.7	0.3	179	28.4		8.1		29.3		90.8		6.0		15.2		14		87				<0.2		1.2	
					Bottom	6.4	0.3	197	28.3	28.3	8.1	8.1	29.4	29.4	92.3	92.3	6.1	6.1	15.5		14		88				<0.2		1.2	
						6.4	0.3	174	28.3		8.1		29.4		92.3		6.1		15.5		16		89				<0.2		1.3	
IM11	Fine	Moderate	14:07	8.0	Surface	1.0	0.2	169	28.5	28.5	8.0	8.0	29.5	29.5	90.0	90.0	5.9	6.0	14.3	15.4	14	13	85	87	822046	811462	<0.2	<0.2	1.2	1.3
						1.0	0.2	153	28.5		8.0		29.5		90.0		5.9		14.3		15		85				<0.2		1.2	
					Middle	4.0	0.2	162	28.5	28.5	8.0	8.0	29.5	29.5	91.6	91.6	6.0		15.2		13		87				<0.2		1.3	
						4.0	0.2	164	28.5		8.0		29.5		91.6		6.0		15.2		13		88				<0.2		1.4	
					Bottom	7.0	0.2	143	28.4	28.4	8.1	8.1	29.5	29.5	94.8	94.8	6.3	6.3	16.6		12		89				<0.2		1.4	
						7.0	0.2	147	28.4		8.1		29.5		94.8		6.3		16.6		13		90				<0.2		1.4	
IM12	Fine	Moderate	14:13	8.5	Surface	1.0	0.2	141	28.5	28.5	8.0	8.0	29.5	29.5	89.5	89.5	5.9	6.0	14.8	14.7	16	17	83	87	821450	812051	<0.2	<0.2	1.4	1.3
						1.0	0.2	152	28.5		8.0		29.5		89.5		5.9		14.8		17		83				<0.2		1.3	
					Middle	4.3	0.2	157	28.5	28.5	8.0	8.0	29.5	29.5	90.3	90.3	6.0		14.0		17		88				<0.2		1.3	
						4.3	0.3	154	28.5		8.0		29.5		90.3		6.0		14.0		18		88				<0.2		1.2	
					Bottom	7.5	0.2	144	28.4	28.4	8.1	8.1	29.6	29.6	93.2	93.2	6.1	6.1	15.2		16		89				<0.2		1.2	
						7.5	0.2	142	28.4		8.1		29.6		93.2		6.1		15.2		16		89				<0.2		1.2	
SR1A	Fine	Moderate	14:31	5.1	Surface	1.0	-	-	28.5	28.5	7.8	7.8	29.6	29.6	89.3	89.3	5.9	5.9	13.5	14.6	13	14	-	-	819971	812663	-	-	-	-
						1.0	-	-	28.5		7.8		29.6		89.3		5.9		13.5		13		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.5	28.5	7.9	7.9	29.6	29.6	88.3	88.3	5.8	5.8	15.6		14		-				-		-	
						4.1	-	-	28.5		7.9		29.6		88.3		5.8		15.6		14		-				-		-	
SR2	Fine	Moderate	14:45	4.8	Surface	1.0	0.3	134	28.5	28.5	7.8	7.8	29.6	29.6	88.5	88.5	5.8	5.8	13.7	14.2	14	14	83	85	821464	814186	<0.2	<0.2	1.1	1.2
						1.0	0.3	137	28.5		7.8		29.6		88.5		5.8		13.7		13		83				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	143	28.5	28.5	7.8	7.8	29.6	29.6	88.5	88.5	5.8	5.8	14.7		13		87				<0.2		1.2	
						3.8	0.3	149	28.5		7.8		29.6		88.5		5.8		14.7		14		88				<0.2		1.2	
SR3	Fine	Moderate	13:37	8.3	Surface	1.0	0.0	152	28.7	28.7	7.9	7.9	27.2	27.2	88.9	88.9	5.9	5.9	7.2	9.9	7	7	-	-	822124	807567	-	-	-	-
						1.0	0.0	152	28.7		7.9		27.2		88.9		5.9		7.2		8		-				-		-	
					Middle	4.2	0.2	147	28.5	28.5	8.0	8.0	27.7	27.7	88.9	88.9	5.9		10.0		8		-				-		-	
						4.2	0.2	149	28.5		8.0		27.7		88.9		5.9		10.0		6		-				-		-	
					Bottom	7.3	0.3	158	28.2	28.2	7.9	7.9	29.8	29.8	91.8	91.8	6.1	6.1	12.4		6		-				-		-	
						7.3	0.3	168	28.2		7.9		29.8		91.8		6.1		12.4		5		-				-		-	
SR4A	Sunny	Moderate	14:21	8.6	Surface	1.0	0.6	62	27.2	27.2	8.2	8.2	30.7	30.7	91.7	91.7	6.1	6.1	9.9	13.2	13	13	-	-	817177	807802	-	-	-	-
						1.0	0.6	66	27.2		8.2		30.7		91.6		6.1		9.9		12		-				-		-	
					Middle	4.3	0.5	71	27.1	27.1	8.2	8.2	30.8	30.8	90.5	90.4	6.1		11.3		14		-				-		-	
						4.3	0.5	71	27.1		8.2		30.8		90.2		6.0		11.4		14		-				-		-	
					Bottom	7.6	0.4	77	27.0	27.0	8.2	8.2	31.0	31.0	90.3	90.4	6.1	6.1	18.5		14		-				-		-	
						7.6	0.4	78	27.0		8.2		31.0		90.4		6.1		18.1		13		-				-		-	
SR5A	Sunny	Calm	14:36	5.5	Surface	1.0	0.1	346	27.1	27.1	8.1	8.1	30.9	30.9	85.8	85.7	5.8	5.8	9.6	12.6	7	6	-	-	816598	810711	-	-	-	-
						1.0	0.1	318	27.0		8.1		30.9		85.5		5.7		10.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	7	26.9	26.9	8.1	8.1	31.0	31.0	85.1	85.2	5.7	5.7	15.0		5		-				-		-	
						4.5	0.1	7	26.9		8.1		31.0		85.2		5.7		15.2		6		-				-		-	
SR6A	Sunny	Calm	15:03	4.4	Surface	1.0	0.0	10	27.4	27.4	8.1	8.1	30.3	30.4	84.3	84.4	5.6	5.6	10.1	10.6	6	6	-	-	817977	814757	-	-	-	-
						1.0	0.0	10	27.4		8.1		30.4		84.5		5.6		10.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	14	27.3	27.4	8.1	8.1	30.4	30.4	85.9	86.0	5.7	5.8	11.1		6		-				-		-	
						3.4	0.0	14	27.4		8.1		30.4		86.1		5.8		11.1		6		-				-		-	
SR7	Fine	Moderate	15:42	16.7	Surface	1.0	0.1	184	28.8	28.8	7.9	7.9	31.0	31.0	82.9	82.9	5.4	5.4	5.4	7.0	7	7	-	-	823621	823726	-	-	-	-
						1.0	0.1	186	28.8		7.9		31.0		82.9		5.4		5.4		5		-				-		-	
					Middle	8.4	0.1	88	28.7	28.7	7.9	7.9	31.4	31.4	81.7	81.7	5.3		7.2		7		-				-		-	
						8.4	0.1	91	28.7		7.9		31.4		81.7		5.3		7.2		7		-				-		-	
					Bottom	15.7	0.1	97	28.7	28.7	7.9	7.9	31.5	31.5	82.2	82.2	5.3	5.3	8.3		9		-				-		-	
						15.7	0.1	102	28.7		7.9		31.5		82.2		5.3		8.3		8		-				-		-	
SR8	Fine	Moderate	14:23	4.8	Surface	1.0	-	-	28.5	28.5	7.9	7.9	29.6	29.6	90.8	90.8	6.0	6.0	14.9	15.6	12	12	-	-	820394	811606	-	-	-	-
						1.0	-	-	28.5		7.9		29.6		90.8		6.0		14.9		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.5	28.5	7.9	7.9	29.6	29.6	92.8	92.8	6.1	6.1	16.2		12		-				-		-	
						3.8	-	-	28.5		7.9		29.6		92.8		6.1		16.2		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 17 October 19 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	09:34	7.2	Surface	1.0	0.5	31	27.0	27.0	8.2	8.2	31.2	31.2	88.5	88.4	5.9	5.9	11.3	13.0	12	11	86	88	815602	804228	<0.2	<0.2	0.8	1.0
						1.0	0.5	32	27.0		8.2		31.2		88.3		5.9		11.3		11		85				<0.2		1.0	
					Middle	3.6	0.5	22	27.0	27.0	8.2	8.2	31.4	31.4	87.7	87.7	5.9		12.0		11		87				<0.2		1.0	
						3.6	0.5	24	27.0		8.2		31.4		87.6		5.9		12.5		11		88				<0.2		1.0	
					Bottom	6.2	0.4	19	27.0	27.0	8.2	8.2	31.4	31.4	87.4	87.4	5.8	5.8	15.2		12		89				<0.2		1.0	
						6.2	0.4	20	27.0		8.2		31.4		87.4		5.8		15.5		11		90				<0.2		1.0	
C2	Fine	Moderate	09:50	11.3	Surface	1.0	0.3	349	28.6	28.6	7.8	7.8	26.8	26.8	89.0	89.0	5.9	5.9	7.3	13.0	3	4	84	88	825703	806949	<0.2	<0.2	1.2	1.1
						1.0	0.3	321	28.6		7.8		26.8		89.0		5.9		7.3		4		84				<0.2		1.4	
					Middle	5.7	0.3	0	28.7	28.7	7.8	7.8	27.1	27.1	89.1	89.1	5.9		15.0		4		88				<0.2		1.1	
						5.7	0.3	0	28.7		7.8		27.1		89.1		5.9		15.0		4		88				<0.2		1.1	
					Bottom	10.3	0.3	345	28.7	28.7	7.8	7.8	27.6	27.6	94.3	94.3	6.3	6.3	16.8		5		91				<0.2		1.0	
						10.3	0.3	317	28.7		7.8		27.6		94.3		6.3		16.8		5		92				<0.2		1.0	
C3	Fine	Moderate	08:20	11.5	Surface	1.0	0.4	283	28.5	28.5	8.0	8.0	29.6	29.6	88.5	88.5	5.8	5.7	8.3	10.2	9	11	86	88	822108	817817	<0.2	<0.2	1.3	1.1
						1.0	0.5	286	28.5		8.0		29.6		88.5		5.8		8.3		10		87				<0.2		1.2	
					Middle	5.8	0.5	282	28.5	28.5	8.0	8.0	30.0	30.0	85.8	85.8	5.6		10.6		10		88				<0.2		1.1	
						5.8	0.5	298	28.5		8.0		30.0		85.8		5.6		10.6		10		89				<0.2		1.0	
					Bottom	10.5	0.5	286	28.6	28.6	8.0	8.0	30.4	30.4	89.6	89.6	5.9	5.9	11.8		13		90				<0.2		1.2	
						10.5	0.5	311	28.6		8.0		30.4		89.6		5.9		11.8		14		90				<0.2		1.0	
IM1	Fine	Calm	09:47	5.1	Surface	1.0	0.2	353	26.9	26.9	8.2	8.2	31.5	31.5	87.7	87.7	5.9	5.9	12.5	14.8	16	18	85	88	817925	807117	<0.2	<0.2	0.5	0.7
						1.0	0.2	325	26.9		8.2		31.5		87.6		5.9		12.4		17		86				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	358	26.9	26.9	8.2	8.2	31.5	31.5	87.6	87.6	5.9	5.9	17.2		19		92				<0.2		0.6	
						4.1	0.2	358	26.9		8.2		31.5		87.6		5.9		17.3		19		90				<0.2		0.8	
IM2	Fine	Moderate	09:53	7.2	Surface	1.0	0.3	16	27.0	27.0	8.2	8.2	30.5	30.5	89.3	89.3	6.0	6.0	11.0	13.1	16	16	85	87	818156	806145	<0.2	<0.2	1.0	0.9
						1.0	0.3	17	27.0		8.2		30.5		89.3		6.0		11.0		16		85				<0.2		0.9	
					Middle	3.6	0.3	4	27.0	27.0	8.2	8.2	30.7	30.7	88.9	88.8	6.0		11.9		16		87				<0.2		0.8	
						3.6	0.3	4	27.0		8.2		30.8		88.7		6.0		12.4		15		87				<0.2		0.9	
					Bottom	6.2	0.2	336	26.9	26.9	8.1	8.1	31.3	31.3	88.3	88.4	5.9	5.9	16.2		17		89				<0.2		1.0	
						6.2	0.3	309	26.9		8.1		31.3		88.4		5.9		15.9		15		90				<0.2		1.0	
IM3	Fine	Moderate	09:59	7.4	Surface	1.0	0.4	10	27.1	27.1	8.2	8.2	30.1	30.1	88.5	88.4	6.0	5.9	12.2	15.2	12	13	86	87	818799	805614	<0.2	<0.2	1.8	1.6
						1.0	0.4	10	27.1		8.2		30.2		88.2		5.9		12.9		12		85				<0.2		1.7	
					Middle	3.7	0.4	2	27.1	27.1	8.2	8.1	30.9	30.9	86.8	86.8	5.8		14.6		13		86				<0.2		1.7	
						3.7	0.4	2	27.1		8.1		31.0		86.8		5.8		14.4		14		87				<0.2		1.5	
					Bottom	6.4	0.3	332	27.0	27.0	8.1	8.1	31.2	31.2	87.0	87.0	5.8	5.8	18.7		14		89				<0.2		1.5	
						6.4	0.3	333	27.0		8.1		31.2		87.0		5.8		18.3		13		90				<0.2		1.5	
IM4	Fine	Moderate	10:07	7.8	Surface	1.0	0.5	348	27.1	27.1	8.2	8.2	30.2	30.2	87.2	87.2	5.9	5.9	12.7	15.6	14	14	85	88	819712	804595	<0.2	<0.2	1.3	1.6
						1.0	0.5	320	27.1		8.2		30.2		87.2		5.9		12.4		15		86				<0.2		1.3	
					Middle	3.9	0.4	359	27.0	27.0	8.2	8.2	30.4	30.4	86.8	86.8	5.8		14.9		14		87				<0.2		1.7	
						3.9	0.4	330	27.0		8.2		30.4		86.8		5.8		14.7		15		88				<0.2		1.9	
					Bottom	6.8	0.4	4	27.0	27.0	8.1	8.1	30.4	30.4	86.8	86.9	5.8	5.8	19.4		14		89				<0.2		1.6	
						6.8	0.4	4	27.0		8.1		30.4		86.9		5.8		19.9		14		90				<0.2		1.6	
IM5	Fine	Moderate	10:14	7.5	Surface	1.0	0.7	13	27.1	27.1	8.2	8.2	30.2	30.2	87.7	87.6	5.9	5.9	14.1	16.5	11	13	85	88	820737	804848	<0.2	<0.2	1.8	1.6
						1.0	0.8	13	27.1		8.2		30.3		87.5		5.9		14.2		11		86				<0.2		1.7	
					Middle	3.8	0.6	11	27.1	27.1	8.1	8.1	30.7	30.7	87.1	87.1	5.8		16.7		13		87				<0.2		1.4	
						3.8	0.6	11	27.1		8.1		30.7		87.1		5.8		17.0		13		88				<0.2		1.4	
					Bottom	6.5	0.5	12	27.0	27.0	8.1	8.1	30.8	30.7	87.5	87.6	5.9	5.9	18.6		15		90				<0.2		1.5	
						6.5	0.6	12	27.0		8.1		30.7		87.7		5.9		18.3		14		90				<0.2		1.5	
IM6	Fine	Moderate	10:21	7.3	Surface	1.0	0.3	324	27.0	27.0	8.2	8.2	31.1	31.1	88.0	88.0	5.9	5.9	13.4	13.8	15	16	85	87	821069	805821	<0.2	<0.2	1.6	1.3
						1.0	0.3	347	27.0		8.2		31.1		88.0		5.9		13.5		16		86				<0.2		1.4	
					Middle	3.7	0.2	313	27.0	27.0	8.1	8.1	31.1	31.1	88.0	88.0	5.9		13.9		16		86				<0.2		1.4	
						3.7	0.2	325	27.0		8.1		31.1		88.0		5.9		13.9		17		87				<0.2		1.4	
					Bottom	6.3	0.2	291	27.0	27.0	8.1	8.1	31.1	31.1	88.4	88.5	5.9	5.9	13.9		16		89				<0.2		1.1	
						6.3	0.2	303	27.0		8.1		31.1		88.5		5.9		14.1		16		89				<0.2		1.1	
IM7	Fine	Moderate	10:28	8.3	Surface	1.0	0.1	122	27.3	27.3	8.1	8.1	29.0	29.1	88.2	88.2	5.9	5.9	8.1	12.8	9	10	85	88	821332	806844	<0.2	<0.2	1.4	1.2
						1.0	0.1	126	27.3		8.1		29.2		88.1		5.9		8.7		9		86				<0.2		1.6	
					Middle	4.2	0.3	82	27.0	27.0	8.1	8.1	30.9	30.9	87.7	87.7	5.9		14.5		10		88				<0.2		1.2	
						4.2	0.3	86	27.0		8.1		31.0		87.7		5.9		14.7		10		88				<0.2		1.2	
					Bottom	7.3	0.3	91	27.0	27.0	8.1	8.1	31.2	31.2	88.2	88.2	5.9	5.9	15.1		10		89				<0.2		0.8	
						7.3	0.3	95	27.0		8.1		31.2		88.2		5.9		15.6		9		90				<0.2		0.8	
IM8	Fine	Moderate	09:32	7.0	Surface	1.0	0.2	39	28.6	28.6	7.8	7.8	27.5	27.5	90.3	90.3	6.0	6.1	5.9	7.3	8	8	84	88	821851	808127	<0.2	<0.2	1.2	1.2
						1.0	0.2	40	28.6		7.8		27.5		90.3		6.0		5.9		7		84				<0.2		1.2	
					Middle	3.5	0.0	224	28.5	28.5	7.8	7.8	27.6	27.6	91.7	91.7	6.1		7.6		9		87				<0.2		1.2	
						3.5	0.0	240	28.5		7.8		27.6		91.7		6.1		7.6		8		88				<0.2		1.1	
					Bottom	6.0	0.1	256	28.3	28.3	7.9	7.9	28.5	28.5	96.5	96.5	6.4	6.4	8.4		8		91				<0.2		1.1	
						6.0	0.2	268	28.3		7.9		28.5		96.5		6.4		8.4		8		92				<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 17 October 19 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	09:26	7.5	Surface	1.0	0.2	225	28.2	28.2	7.8	7.8	28.6	28.6	92.2	92.2	6.1	6.1	8.6	10.9	13	12	84	88	822101	808801	<0.2	<0.2	1.4	1.3
						1.0	0.2	235	28.2		7.8		28.6		92.2		6.1		8.6		14		84				<0.2		1.3	
					Middle	3.8	0.2	228	28.2	28.2	7.9	7.9	28.7	28.7	92.0	92.0	6.1		12.2		12		88				<0.2		1.2	
						3.8	0.2	236	28.2		7.9		28.7		92.0		6.1		12.2		11		88				<0.2		1.3	
					Bottom	6.5	0.2	249	28.2	28.2	7.9	7.9	28.9	28.9	100.1	100.1	6.7	6.7	12.0		10		91				<0.2		1.2	
						6.5	0.2	255	28.2		7.9		28.9		100.1		6.7		12.0		9		92				<0.2		1.1	
IM10	Fine	Moderate	09:20	7.9	Surface	1.0	0.5	296	28.4	28.4	7.8	7.8	29.1	29.1	89.8	89.8	5.9	6.0	11.5	12.5	11	12	83	88	822370	809776	<0.2	<0.2	1.1	1.2
						1.0	0.6	296	28.4		7.8		29.1		89.8		5.9		11.5		10		84				<0.2		1.1	
					Middle	4.0	0.5	305	28.4	28.4	7.8	7.8	29.1	29.1	90.9	90.9	6.0		12.5		12		88				<0.2		1.2	
						4.0	0.5	330	28.4		7.8		29.1		90.9		6.0		12.5		13		88				<0.2		1.1	
					Bottom	6.9	0.5	295	28.4	28.4	7.9	7.9	29.1	29.1	92.8	92.8	6.1	6.1	13.4		12		91				<0.2		1.2	
						6.9	0.5	299	28.4		7.9		29.1		92.8		6.1		13.4		13		92				<0.2		1.3	
IM11	Fine	Moderate	09:10	7.5	Surface	1.0	0.5	295	28.4	28.4	7.8	7.8	29.3	29.3	90.9	90.9	6.0	6.1	14.4	15.4	11	13	84	87	822058	811446	<0.2	<0.2	1.1	1.2
						1.0	0.5	319	28.4		7.8		29.3		90.9		6.0		14.4		10		84				<0.2		1.3	
					Middle	3.8	0.5	295	28.4	28.4	7.8	7.8	29.3	29.3	93.8	93.8	6.2		16.1		13		88				<0.2		1.3	
						3.8	0.5	321	28.4		7.8		29.3		93.8		6.2		16.1		13		88				<0.2		1.2	
					Bottom	6.5	0.5	291	28.4	28.4	7.9	7.9	29.3	29.3	98.0	98.0	6.5	6.5	15.7		13		89				<0.2		1.1	
						6.5	0.5	315	28.4		7.9		29.3		98.0		6.5		15.7		15		89				<0.2		1.2	
IM12	Fine	Moderate	09:06	8.5	Surface	1.0	0.5	255	28.4	28.4	7.8	7.8	29.3	29.3	89.4	89.4	5.9	6.0	10.2	11.9	11	13	84	87	821441	812039	<0.2	<0.2	1.1	1.1
						1.0	0.5	262	28.4		7.8		29.3		89.4		5.9		10.2		11		84				<0.2		1.1	
					Middle	4.3	0.4	274	28.4	28.4	7.8	7.8	29.4	29.4	90.1	90.1	6.0		12.4		12		87				<0.2		1.1	
						4.3	0.4	275	28.4		7.8		29.4		90.1		6.0		12.4		11		87				<0.2		1.1	
					Bottom	7.5	0.5	284	28.3	28.3	7.9	7.9	29.5	29.5	95.7	95.7	6.3	6.3	13.2		15		88				<0.2		1.2	
						7.5	0.5	285	28.3		7.9		29.5		95.7		6.3		13.2		17		89				<0.2		1.1	
SR1A	Fine	Moderate	08:50	4.9	Surface	1.0	-	-	28.2	28.2	8.1	8.1	29.4	29.4	87.6	87.6	5.8	5.8	10.8	11.2	23	21	-	-	819977	812656	-	-	-	-
						1.0	-	-	28.2		8.1		29.4		87.6		5.8		10.8		24		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.2	28.2	8.1	8.1	29.4	29.4	91.8	91.8	6.1	6.1	11.6		17		-				-		-	
						3.9	-	-	28.2		8.1		29.4		91.8		6.1		11.6		18		-				-		-	
SR2	Fine	Moderate	08:39	4.5	Surface	1.0	0.4	278	28.3	28.3	8.0	8.0	29.6	29.6	94.5	94.5	6.2	6.2	12.2	10.9	12	17	82	84	821479	814183	<0.2	<0.2	0.9	1.1
						1.0	0.4	281	28.3		8.0		29.6		94.5		6.2		12.2		13		82				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.5	284	28.3	28.3	8.1	8.1	29.6	29.6	102.6	102.9	6.8	6.8	9.6		21		87				<0.2		1.3	
						3.5	0.5	309	28.3		8.1		29.6		103.1		6.8		9.6		22		86				<0.2		1.2	
SR3	Fine	Moderate	09:37	8.7	Surface	1.0	0.1	33	28.6	28.6	7.8	7.8	26.9	26.9	89.4	89.4	6.0	6.0	6.0	8.3	7	6	-	-	822151	807574	-	-	-	-
						1.0	0.1	34	28.6		7.8		26.9		89.4		6.0		6.0		7		-				-		-	
					Middle	4.4	0.1	24	28.6	28.6	7.8	7.8	27.3	27.3	89.0	89.0	5.9		8.7		6		-				-		-	
						4.4	0.1	24	28.6		7.8		27.3		89.0		5.9		8.7		5		-				-		-	
					Bottom	7.7	0.2	21	28.5	28.5	7.8	7.8	27.6	27.6	92.2	92.2	6.1	6.1	10.1		6		-				-		-	
						7.7	0.2	21	28.5		7.8		27.6		92.2		6.1		10.1		5		-				-		-	
SR4A	Fine	Moderate	09:18	8.9	Surface	1.0	0.1	262	26.9	26.9	8.2	8.2	31.1	31.1	85.6	85.6	5.7	5.7	9.2	11.4	10	11	-	-	817196	807817	-	-	-	-
						1.0	0.1	266	26.9		8.2		31.1		85.5		5.7		9.4		10		-				-		-	
					Middle	4.5	0.2	274	26.8	26.8	8.2	8.2	31.1	31.1	84.9	84.9	5.7		11.3		11		-				-		-	
						4.5	0.2	277	26.8		8.2		31.1		84.8		5.7		11.7		11		-				-		-	
					Bottom	7.9	0.2	278	26.8	26.8	8.2	8.2	31.2	31.2	84.6	84.6	5.7	5.7	13.3		11		-				-		-	
						7.9	0.2	284	26.8		8.2		31.2		84.6		5.7		13.3		13		-				-		-	
SR5A	Fine	Calm	09:00	5.3	Surface	1.0	0.1	284	26.9	26.9	8.1	8.1	30.6	30.6	84.3	84.3	5.7	5.7	8.9	9.5	8	9	-	-	816586	810675	-	-	-	-
						1.0	0.2	300	26.9		8.1		30.6		84.3		5.7		9.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	284	26.9	26.9	8.1	8.1	30.8	30.8	84.2	84.2	5.7	5.7	9.9		10		-				-		-	
						4.3	0.1	290	26.9		8.1		30.8		84.2		5.7		10.1		9		-				-		-	
SR6A	Fine	Calm	08:40	3.8	Surface	1.0	0.0	237	27.1	27.1	8.1	8.1	30.2	30.3	79.0	78.9	5.3	5.3	10.6	11.7	8	8	-	-	817939	814758	-	-	-	-
						1.0	0.0	254	27.1		8.1		30.3		78.8		5.3		11.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	238	27.2	27.2	8.1	8.1	30.4	30.4	78.6	78.7	5.3	5.3	12.3		8		-				-		-	
						2.8	0.0	257	27.2		8.1		30.4		78.7		5.3		12.0		8		-				-		-	
SR7	Fine	Moderate	07:53	16.8	Surface	1.0	0.4	249	28.6	28.6	8.0	8.0	30.2	30.2	85.5	85.5	5.6	5.6	6.6	6.9	10	10	-	-	823655	823723	-	-	-	-
						1.0	0.4	253	28.6		8.0		30.2		85.5		5.6		6.6		10		-				-		-	
					Middle	8.4	0.4	250	28.6	28.6	7.9	7.9	30.2	30.2	84.1	84.1	5.5		6.8		9		-				-		-	
						8.4	0.4	251	28.6		7.9		30.2		84.1		5.5		6.8		10		-				-		-	
					Bottom	15.8	0.4	255	28.6	28.6	7.9	7.9	30.2	30.2	83.8	83.8	5.5	5.5	7.3		9		-				-		-	
						15.8	0.4	241	28.6		7.9		30.2		83.8		5.5		7.3		9		-				-		-	
SR8	Fine	Moderate	08:58	5.0	Surface	1.0	-	-	28.3	28.3	8.1	8.1	29.3	29.3	92.7	92.7	6.1	6.1	16.3	17.6	14	14	-	-	820366	811641	-	-	-	-
						1.0	-	-	28.3		8.1		29.3		92.7		6.1		16.3		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	28.2	28.2	8.1	8.1	29.3	29.3	98.0	98.0	6.5	6.5	18.8		13		-				-		-	
						4.0	-	-	28.2		8.1		29.3		98.0		6.5		18.8		14		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 October 19 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	15:50	8.2	Surface	1.0	0.3	169	27.0	27.0	8.2	8.2	30.7	30.8	88.1	87.9	5.9	5.9	9.4	12.4	8	11	86	88	815615	804255	<0.2	<0.2	1.3	1.0
						1.0	0.3	162	26.9		8.2		30.8		87.6		5.9		9.4		10		87				<0.2		1.1	
					Middle	4.1	0.3	142	26.8	26.8	8.2	8.2	31.1	31.1	87.5	87.6	5.9		12.4		10		87				<0.2		1.1	
						4.1	0.3	151	26.8		8.2		31.1		87.7		5.9		12.4		10		88				<0.2		0.8	
					Bottom	7.2	0.2	110	26.9	26.9	8.2	8.2	31.1	31.0	90.1	90.2	6.1	6.1	15.5		13		91				<0.2		0.8	
						7.2	0.2	114	26.9		8.2		31.0		90.3		6.1		15.5		14		90				<0.2		0.8	
C2	Fine	Rough	14:36	8.5	Surface	1.0	0.1	141	28.3	28.3	5.8	5.8	27.5	27.5	86.1	86.0	5.8	5.7	1.0	3.9	6	7	83	88	825698	806937	<0.2	<0.2	1.3	1.3
						1.0	0.1	150	28.3		5.8		27.5		85.8		5.7		1.0		7		84				<0.2		1.2	
					Middle	4.3	0.3	140	28.3	28.3	7.9	7.9	28.0	28.0	84.8	84.8	5.7		3.6		6		88				<0.2		1.3	
						4.3	0.3	139	28.3		7.9		28.1		84.8		5.7		3.5		8		88				<0.2		1.4	
					Bottom	7.5	0.3	145	28.3	28.3	8.8	8.9	28.2	28.2	85.9	86.0	5.7	5.7	7.1		9		91				<0.2		1.3	
						7.5	0.3	137	28.3		8.9		28.2		86.1		5.7		7.0		8		92				<0.2		1.4	
C3	Fine	Rough	17:15	10.8	Surface	1.0	0.2	128	28.4	28.4	5.3	5.4	31.0	31.0	81.1	81.1	5.3	5.3	1.1	5.1	9	10	83	87	822097	817818	<0.2	<0.2	0.6	0.7
						1.0	0.2	132	28.4		5.4		31.0		81.1		5.3		1.1		8		84				<0.2		0.8	
					Middle	5.4	0.2	130	28.4	28.4	8.0	8.0	31.0	31.0	80.2	80.2	5.3		4.7		8		87				<0.2		0.6	
						5.4	0.2	137	28.4		8.1		31.0		80.2		5.3		4.7		9		87				<0.2		0.7	
					Bottom	9.8	0.2	127	28.4	28.4	9.5	9.5	31.0	31.0	80.5	80.6	5.3	5.3	9.3		13		91				<0.2		0.7	
						9.8	0.2	129	28.4		9.5		31.0		80.7		5.3		9.4		12		92				<0.2		0.7	
IM1	Fine	Moderate	15:29	5.0	Surface	1.0	0.1	184	27.1	27.1	8.2	8.2	30.2	30.2	92.8	92.8	6.2	6.2	6.1	5.9	10	10	86	89	817934	807132	<0.2	<0.2	1.2	1.2
						1.0	0.1	199	27.1		8.2		30.2		92.7		6.2		5.9		9		88				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	222	27.1	27.1	8.2	8.2	30.6	30.5	93.1	93.2	6.3	6.3	5.7		9		90				<0.2		1.3	
						4.0	0.2	233	27.1		8.2		30.5		93.3		6.3		5.7		10		90				<0.2		1.2	
IM2	Fine	Moderate	15:22	7.5	Surface	1.0	0.2	221	26.8	26.8	8.2	8.2	30.4	30.4	89.6	89.6	6.0	6.0	9.2	12.9	10	11	86	89	818181	806175	<0.2	<0.2	1.3	1.3
						1.0	0.2	222	26.8		8.2		30.4		89.6		6.0		9.4		9		86				<0.2		1.3	
					Middle	3.8	0.2	210	26.7	26.7	8.2	8.2	30.7	30.8	89.4	89.5	6.0		12.7		11		89				<0.2		1.5	
						3.8	0.2	211	26.7		8.2		30.8		89.5		6.0		12.7		11		88				<0.2		1.3	
					Bottom	6.5	0.2	221	26.8	26.8	8.2	8.2	31.0	31.0	92.2	92.4	6.2	6.2	16.9		13		90				<0.2		1.1	
						6.5	0.2	225	26.8		8.2		31.0		92.5		6.2		16.9		14		92				<0.2		1.3	
IM3	Fine	Moderate	15:14	7.4	Surface	1.0	0.3	237	27.1	27.1	8.2	8.2	30.0	30.0	89.8	89.7	6.0	6.0	6.5	12.3	12	14	86	88	818792	805572	<0.2	<0.2	1.2	1.2
						1.0	0.3	238	27.1		8.2		30.0		89.6		6.0		6.5		10		85				<0.2		1.2	
					Middle	3.7	0.3	229	26.8	26.8	8.2	8.2	30.8	30.8	88.4	88.5	6.0		13.5		13		87				<0.2		1.3	
						3.7	0.3	213	26.8		8.2		30.8		88.5		6.0		13.5		11		88				<0.2		1.2	
					Bottom	6.4	0.2	192	26.8	26.8	8.2	8.2	30.8	30.8	90.0	90.1	6.1	6.1	17.0		19		90				<0.2		1.1	
						6.4	0.2	186	26.8		8.2		30.8		90.2		6.1		17.0		19		91				<0.2		1.2	
IM4	Fine	Moderate	15:04	7.9	Surface	1.0	0.4	234	27.0	27.0	8.2	8.2	29.5	29.5	89.7	89.6	6.1	6.0	7.5	12.9	10	17	86	89	819715	804620	<0.2	<0.2	1.2	1.1
						1.0	0.4	225	27.0		8.2		29.6		89.4		6.0		7.5		11		87				<0.2		1.2	
					Middle	4.0	0.4	231	26.8	26.8	8.2	8.2	30.6	30.6	86.9	87.0	5.9		13.9		15		89				<0.2		1.0	
						4.0	0.4	212	26.8		8.2		30.6		87.0		5.9		13.9		16		88				<0.2		1.0	
					Bottom	6.9	0.4	198	26.9	26.9	8.1	8.1	30.6	30.6	89.3	89.4	6.0	6.0	17.5		26		91				<0.2		1.2	
						6.9	0.4	204	26.9		8.1		30.6		89.4		6.0		17.5		26		91				<0.2		1.1	
IM5	Fine	Moderate	14:54	7.7	Surface	1.0	0.7	213	26.9	26.9	8.2	8.2	30.1	30.1	87.8	87.8	5.9	5.9	13.4	14.2	13	20	85	88	820725	804859	<0.2	<0.2	1.5	1.3
						1.0	0.7	220	26.9		8.2		30.1		87.7		5.9		13.7		14		86				<0.2		1.3	
					Middle	3.9	0.6	206	26.8	26.8	8.2	8.2	30.5	30.5	87.3	87.3	5.9		13.9		20		88				<0.2		1.4	
						3.9	0.6	217	26.8		8.2		30.5		87.3		5.9		13.9		20		87				<0.2		1.2	
					Bottom	6.7	0.4	211	26.8	26.8	8.1	8.1	30.8	30.8	89.4	89.5	6.0	6.0	15.1		24		90				<0.2		1.1	
						6.7	0.5	218	26.8		8.1		30.8		89.6		6.0		15.1		26		90				<0.2		1.2	
IM6	Fine	Moderate	14:45	7.2	Surface	1.0	0.3	221	26.9	26.9	8.2	8.2	30.7	30.7	90.7	90.7	6.1	6.1	11.7	11.4	15	17	86	88	821041	805819	<0.2	<0.2	1.3	1.2
						1.0	0.3	213	26.9		8.2		30.7		90.7		6.1		11.8		16		86				<0.2		1.2	
					Middle	3.6	0.3	213	26.9	26.9	8.2	8.2	30.7	30.7	90.8	90.8	6.1		11.0		18		87				<0.2		1.2	
						3.6	0.3	204	26.9		8.2		30.7		90.8		6.1		11.1		16		88				<0.2		1.2	
					Bottom	6.2	0.3	201	26.9	26.9	8.2	8.2	30.8	30.8	91.6	91.7	6.2	6.2	11.5		18		90				<0.2		1.1	
						6.2	0.3	195	26.9		8.2		30.8		91.7		6.2		11.5		17		90				<0.2		1.2	
IM7	Fine	Moderate	14:35	8.0	Surface	1.0	0.1	198	27.1	27.1	8.2	8.2	29.6	29.7	90.1	90.1	6.1	6.1	6.7	9.8	9	8	85	88	821359	806819	<0.2	<0.2	1.2	1.2
						1.0	0.1	199	27.1		8.2		29.8		90.0		6.1		6.7		8		87				<0.2		1.2	
					Middle	4.0	0.3	212	26.9	26.9	8.2	8.2	30.6	30.6	88.7	88.7	6.0		10.6		8		87				<0.2		1.3	
						4.0	0.3	213	26.9		8.2		30.6		88.6		6.0		10.8		8		88				<0.2		1.2	
					Bottom	7.0	0.2	205	26.9	26.9	8.2	8.2	30.7	30.7	88.6	88.7	6.0	6.0	12.1		8		91				<0.2		1.2	
						7.0	0.2	192	26.9		8.2		30.7		88.7		6.0		12.1		9		90				<0.2		1.1	
IM8	Fine	Rough	15:09	8.2	Surface	1.0	0.1	177	28.4	28.4	4.8	4.8	28.0	28.0	90.4	90.4	6.0	6.0	1.1	4.1	7	7	84	88	821827	808146	<0.2	<0.2	1.2	1.4
						1.0	0.1	179	28.4		4.8		28.0		90.3		6.0		1.1		6		84				<0.2		1.2	
					Middle	4.1	0.0	185	28.1	28.1	7.5	7.5	28.4	28.4	89.6	89.6	6.0		4.1		7		87				<0.2		1.4	
						4.1	0.0	167	28.1		7.6		28.4		89.6		6.0		4.1		7		89				<0.2		1.4	
					Bottom	7.2	0.1	188	27.9	27.9	8.7	8.7	28.7	28.7	90.2	90.2	6.0	6.0	7.2		8		91				<0.2		1.5	
						7.2	0.1	173	27.9		8.7		28.7		90.2		6.0		7.2		9		92				<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 19 October 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Rough	15:14	8.4	Surface	1.0	0.2	166	27.9	27.9	3.1	3.1	28.8	28.8	89.7	89.7	6.0	6.0	0.9	3.8	12	15	86	89	822091	808821	<0.2	<0.2	1.4	1.2
						1.0	0.2	171	27.9		3.1		28.8		89.6		6.0		0.9		12		87				<0.2		1.4	
					Middle	4.2	0.1	156	27.9	27.9	5.1	5.1	28.8	28.8	89.0	89.0	6.0		3.6		14		88				<0.2		1.0	
						4.2	0.1	167	27.8		5.2		28.8		89.0		6.0		3.6		16		89				<0.2		1.3	
					Bottom	7.4	0.1	134	27.9	27.9	8.6	8.6	28.8	28.8	89.0	89.1	6.0	6.0	7.0		18		91				<0.2		1.0	
						7.4	0.1	144	27.9		8.6		28.8		89.1		6.0		7.0		17		91				<0.2		1.1	
IM10	Fine	Rough	15:20	7.8	Surface	1.0	0.3	136	28.1	28.1	5.1	5.1	28.9	28.9	88.0	88.0	5.9	5.9	0.9	3.9	14	15	83	88	822372	809772	<0.2	<0.2	1.1	1.1
						1.0	0.4	138	28.1		5.2		28.9		88.0		5.9		0.9		14		84				<0.2		1.2	
					Middle	3.9	0.5	134	28.0	28.0	6.3	6.3	28.9	28.9	87.1	87.2	5.8		4.1		15		89				<0.2		1.2	
						3.9	0.5	139	28.0		6.3		28.9		87.2		5.8		4.1		15		90				<0.2		1.2	
					Bottom	6.8	0.3	137	28.0	28.0	7.7	7.7	28.9	28.9	87.8	87.9	5.9	5.9	6.7		15		91				<0.2		1.0	
						6.8	0.3	123	28.0		7.7		28.9		88.0		5.9		6.7		16		92				<0.2		1.1	
IM11	Fine	Rough	15:46	7.7	Surface	1.0	0.2	134	28.2	28.2	6.4	6.5	29.4	29.4	85.3	85.3	5.7	5.7	0.9	3.5	20	19	84	89	822051	811460	<0.2	<0.2	1.3	1.2
						1.0	0.3	137	28.2		6.5		29.4		85.3		5.7		0.9		20		85				<0.2		1.3	
					Middle	3.9	0.3	124	28.1	28.1	7.0	7.0	29.4	29.4	85.2	85.2	5.7		3.1		19		90				<0.2		1.3	
						3.9	0.3	113	28.1		7.0		29.4		85.2		5.7		3.1		18		90				<0.2		1.3	
					Bottom	6.7	0.2	132	28.1	28.1	8.3	8.3	29.4	29.4	85.7	85.8	5.7	5.7	6.5		18		92				<0.2		0.9	
						6.7	0.2	148	28.1		8.4		29.4		85.9		5.7		6.5		20		92				<0.2		0.9	
IM12	Fine	Rough	16:28	7.4	Surface	1.0	0.3	124	28.2	28.2	10.3	10.3	29.4	29.4	86.1	86.1	5.7	5.7	1.2	4.0	10	14	84	88	821457	812026	<0.2	<0.2	0.9	1.2
						1.0	0.3	129	28.2		10.3		29.4		86.1		5.7		1.2		11		85				<0.2		1.0	
					Middle	3.7	0.3	126	28.2	28.2	12.5	12.5	29.4	29.4	86.0	86.1	5.7		4.0		14		88				<0.2		1.0	
						3.7	0.3	127	28.2		12.5		29.4		86.1		5.7		4.0		14		88				<0.2		1.4	
					Bottom	6.4	0.2	125	28.2	28.2	15.1	15.1	29.4	29.4	86.6	86.7	5.7	5.8	6.7		18		91				<0.2		1.4	
						6.4	0.2	127	28.2		15.1		29.4		86.8		5.8		6.7		19		91				<0.2		1.3	
SR1A	Fine	Rough	16:51	4.5	Surface	1.0	-	-	28.3	28.3	3.9	3.9	29.6	29.6	84.3	84.3	5.6	5.6	1.1	2.5	14	14	-	-	819977	812660	-	-	-	-
						1.0	-	-	28.3		3.9		29.6		84.3		5.6		1.1		14		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	28.3	28.3	5.9	5.9	29.8	29.8	81.9	81.9	5.4	5.4	4.0		14		-				-		-	
						3.5	-	-	28.3		6.0		29.8		81.9		5.4		4.0		15		-				-		-	
SR2	Fine	Rough	17:02	4.8	Surface	1.0	0.3	131	28.3	28.3	6.0	6.0	29.5	29.5	84.1	84.0	5.6	5.6	0.9	2.2	15	16	87	89	821464	814182	<0.2	<0.2	0.9	1.0
						1.0	0.3	139	28.3		6.0		29.5		83.9		5.5		0.8		15		88				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	139	28.3	28.3	8.1	8.1	29.8	29.8	82.1	82.1	5.4	5.4	3.5		16		91				<0.2		1.2	
						3.8	0.3	153	28.3		8.2		29.8		82.1		5.4		3.5		16		91				<0.2		1.0	
SR3	Fine	Rough	15:03	8.0	Surface	1.0	0.1	186	28.4	28.4	4.4	4.4	27.5	27.5	89.3	89.3	6.0	5.9	1.1	4.5	5	6	-	-	822162	807591	-	-	-	-
						1.0	0.1	177	28.4		4.4		27.5		89.2		6.0		1.1		5		-				-		-	
					Middle	4.0	0.1	165	28.2	28.2	5.8	5.8	28.1	28.1	86.6	86.6	5.8		4.7		6		-				-		-	
						4.0	0.1	169	28.2		5.8		28.1		86.6		5.8		4.7		6		-				-		-	
					Bottom	7.0	0.2	183	28.1	28.1	6.4	6.4	28.4	28.4	87.1	87.3	5.8	5.8	7.8		6		-				-		-	
						7.0	0.2	192	28.1		6.4		28.4		87.5		5.8		7.8		5		-				-		-	
SR4A	Fine	Moderate	16:10	8.4	Surface	1.0	0.3	83	27.1	27.1	8.2	8.2	30.1	30.1	93.1	93.0	6.3	6.1	7.6	10.6	8	9	-	-	817173	807787	-	-	-	-
						1.0	0.4	88	27.1		8.2		30.1		92.9		6.2		7.7		8		-				-		-	
					Middle	4.2	0.2	64	27.0	27.0	8.2	8.2	30.8	30.8	89.3	89.3	6.0		11.7		10		-				-		-	
						4.2	0.3	69	27.0		8.2		30.8		89.3		6.0		11.9		10		-				-		-	
					Bottom	7.4	0.2	53	27.0	27.0	8.2	8.2	30.9	30.9	89.9	90.0	6.0	6.0	12.5		10		-				-		-	
						7.4	0.2	58	27.0		8.2		30.9		90.1		6.0		12.5		10		-				-		-	
SR5A	Fine	Moderate	16:34	5.0	Surface	1.0	0.1	60	27.0	27.0	8.2	8.2	30.3	30.3	89.1	89.1	6.0	6.0	8.8	9.5	8	10	-	-	816596	810683	-	-	-	-
						1.0	0.1	63	27.0		8.2		30.3		89.1		6.0		8.9		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	116	26.9	26.9	8.2	8.2	30.3	30.3	91.4	91.5	6.2	6.2	10.0		12		-				-		-	
						4.0	0.1	120	26.9		8.2		30.3		91.6		6.2		10.1		10		-				-		-	
SR6A	Fine	Moderate	17:06	4.9	Surface	1.0	0.0	141	27.7	27.7	8.1	8.1	30.3	30.3	92.7	92.7	6.2	6.2	7.7	9.8	5	6	-	-	817944	814752	-	-	-	-
						1.0	0.0	151	27.6		8.1		30.3		92.6		6.2		7.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	73	27.1	27.1	8.1	8.1	30.4	30.4	86.5	86.7	5.8	5.8	11.5		7		-				-		-	
						3.9	0.0	77	27.1		8.1		30.4		86.8		5.8		12.1		7		-				-		-	
SR7	Fine	Rough	17:46	16.2	Surface	1.0	0.1	330	28.7	28.7	3.5	3.5	30.9	30.9	81.6	81.6	5.3	5.3	0.9	8.0	3	5	-	-	823616	823751	-	-	-	-
						1.0	0.1	348	28.7		3.6		30.9		81.5		5.3		0.9		4		-				-		-	
					Middle	8.1	0.1	111	28.4	28.4	4.6	4.6	31.4	31.4	80.5	80.6	5.3		8.1		5		-				-		-	
						8.1	0.1	111	28.4		4.6		31.4		80.6		5.3		8.1		6		-				-		-	
					Bottom	15.2	0.1	158	28.4	28.4	5.5	5.6	31.4	31.4	82.1	82.2	5.4	5.4	15.1		6		-				-		-	
						15.2	0.1	173	28.4		5.6		31.4		82.3		5.4		15.0		6		-				-		-	
SR8	Fine	Rough	16:42	4.3	Surface	1.0	-	-	28.3	28.3	6.9	6.9	29.6	29.6	84.1	84.1	5.6	5.6	1.2	2.1	14	15	-	-	820406	811626	-	-	-	-
						1.0	-	-	28.3		6.9		29.6		84.0		5.6		1.2		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	28.3	28.3	8.7	8.7	29.7	29.7	83.8	83.8	5.5	5.5	2.9		15		-				-		-	
						3.3	-	-	28.3		8.7		29.7		83.8		5.5		2.9		17		-				-		-	

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 October 19 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	10:28	8.0	Surface	1.0	0.3	41	26.7	26.7	8.1	8.1	29.9	29.9	88.9	88.9	6.0	6.0	11.9	14.7	11	15	85	88	815623	804245	<0.2	<0.2	1.5	1.6
						1.0	0.3	42	26.7		8.1		30.0		88.8		6.0		11.9		12		86				<0.2		1.4	
					Middle	4.0	0.3	34	26.7	26.7	8.1	8.1	30.6	30.6	88.5	88.6	6.0		15.1		13		88				<0.2		1.6	
						4.0	0.3	35	26.7		8.1		30.6		88.6		6.0		15.6		14		89				<0.2		1.4	
					Bottom	7.0	0.2	14	26.7	26.7	8.1	8.1	30.7	30.7	89.3	89.4	6.0	6.0	16.7		18		90				<0.2		1.4	
						7.0	0.2	14	26.7		8.1		30.7		89.4		6.0		16.8		19		91				<0.2		2.0	
C2	Sunny	Moderate	12:18	7.9	Surface	1.0	0.3	322	28.3	28.3	6.0	6.1	27.6	27.6	85.3	85.3	5.7	5.7	1.2	4.2	5	5	85	89	825698	806950	<0.2	<0.2	2.0	1.6
						1.0	0.4	353	28.3		6.1		27.7		85.2		5.7		1.2		5		85				<0.2		2.0	
					Middle	4.0	0.3	17	28.3	28.3	8.5	8.5	28.2	28.2	84.2	84.2	5.6		3.8		6		88				<0.2		1.1	
						4.0	0.3	18	28.3		8.5		28.2		84.2		5.6		3.8		5		89				<0.2		1.7	
					Bottom	6.9	0.3	345	28.3	28.3	10.7	10.7	28.3	28.3	85.6	85.7	5.7	5.7	7.7		5		93				<0.2		1.5	
						6.9	0.3	359	28.3		10.7		28.3		85.8		5.7		7.7		5		94				<0.2		1.3	
C3	Sunny	Moderate	09:45	11.8	Surface	1.0	0.5	287	28.1	28.1	5.8	5.9	29.5	29.5	84.7	84.6	5.6	5.6	1.2	5.9	10	9	83	88	822096	817824	<0.2	<0.2	0.9	1.3
						1.0	0.5	302	28.1		5.9		29.5		84.5		5.6		1.2		9		83				<0.2		0.8	
					Middle	5.9	0.5	288	28.2	28.2	6.2	6.3	29.6	29.6	83.4	83.3	5.5		5.6		9		88				<0.2		1.0	
						5.9	0.5	299	28.2		6.3		29.6		83.2		5.5		5.4		8		89				<0.2		1.7	
					Bottom	10.8	0.5	286	28.3	28.3	7.1	7.1	29.8	29.8	83.0	83.1	5.5	5.5	11.0		9		91				<0.2		1.8	
						10.8	0.5	288	28.3		7.1		29.8		83.2		5.5		10.9		10		92				<0.2		1.4	
IM1	Fine	Moderate	10:44	5.6	Surface	1.0	0.2	352	26.9	26.9	8.2	8.2	30.8	30.8	88.2	88.3	5.9	5.9	10.3	13.1	12	13	86	89	817933	807143	<0.2	<0.2	1.4	1.5
						1.0	0.2	324	26.9		8.2		30.8		88.3		5.9		10.3		12		87				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	17	26.8	26.8	8.2	8.2	31.0	31.0	91.4	91.5	6.1	6.2	16.0		14		90				<0.2		1.6	
						4.6	0.2	17	26.8		8.2		31.0		91.6		6.2		16.0		15		91				<0.2		1.7	
IM2	Fine	Moderate	10:51	7.7	Surface	1.0	0.4	16	27.0	27.0	8.2	8.2	29.8	29.8	90.8	90.8	6.1	6.0	7.1	10.5	8	11	86	88	818181	806144	<0.2	<0.2	1.3	1.5
						1.0	0.4	16	27.0		8.2		29.8		90.7		6.1		7.1		7		86				<0.2		1.2	
					Middle	3.9	0.3	10	26.8	26.8	8.2	8.2	30.8	30.8	88.3	88.3	5.9		11.2		10		87				<0.2		1.2	
						3.9	0.3	10	26.8		8.2		30.8		88.3		5.9		11.2		10		88				<0.2		1.5	
					Bottom	6.7	0.2	352	26.8	26.8	8.1	8.1	30.9	30.9	91.1	91.2	6.1	6.1	13.4		14		90				<0.2		1.7	
						6.7	0.2	353	26.8		8.1		30.9		91.3		6.1		13.4		14		91				<0.2		1.8	
IM3	Fine	Moderate	10:58	7.0	Surface	1.0	0.4	9	26.9	26.9	8.2	8.2	30.1	30.1	88.2	88.2	6.0	5.9	10.5	11.7	10	12	85	88	818761	805587	<0.2	<0.2	1.4	1.5
						1.0	0.4	9	26.9		8.2		30.1		88.1		5.9		10.6		9		86				<0.2		1.4	
					Middle	3.5	0.3	359	26.8	26.8	8.2	8.2	30.5	30.5	87.4	87.4	5.9		11.6		11		88				<0.2		1.8	
						3.5	0.4	330	26.8		8.2		30.5		87.3		5.9		11.5		11		87				<0.2		1.7	
					Bottom	6.0	0.3	334	26.9	26.9	8.1	8.1	31.0	30.9	87.9	88.0	5.9	5.9	13.1		14		90				<0.2		1.7	
						6.0	0.3	341	26.9		8.1		30.9		88.0		5.9		13.1		16		91				<0.2		1.2	
IM4	Fine	Moderate	11:07	7.3	Surface	1.0	0.6	359	26.8	26.8	8.2	8.2	29.6	29.6	88.7	88.7	6.0	6.0	10.9	13.5	10	14	86	89	819743	804621	<0.2	<0.2	1.5	1.6
						1.0	0.7	330	26.8		8.2		29.6		88.6		6.0		11.1		10		86				<0.2		1.6	
					Middle	3.7	0.5	351	26.8	26.8	8.2	8.2	30.1	30.1	88.0	88.0	6.0		14.1		15		89				<0.2		1.4	
						3.7	0.6	323	26.8		8.2		30.1		88.0		6.0		14.1		15		88				<0.2		1.3	
					Bottom	6.3	0.4	340	26.8	26.8	8.1	8.1	30.2	30.2	88.5	88.6	6.0	6.0	15.3		16		91				<0.2		2.0	
						6.3	0.4	346	26.8		8.1		30.2		88.6		6.0		15.3		16		91				<0.2		2.0	
IM5	Fine	Moderate	11:15	7.7	Surface	1.0	0.7	9	26.8	26.8	8.2	8.2	30.2	30.2	88.2	88.2	6.0	5.9	14.1	15.0	10	15	86	89	820744	804890	<0.2	<0.2	2.7	2.4
						1.0	0.7	9	26.8		8.2		30.2		88.1		5.9		14.7		11		86				<0.2		2.8	
					Middle	3.9	0.6	7	26.8	26.8	8.1	8.1	30.5	30.5	88.1	88.1	5.9		14.9		16		87				<0.2		1.7	
						3.9	0.7	7	26.8		8.1		30.5		88.1		5.9		14.9		15		89				<0.2		2.0	
					Bottom	6.7	0.5	8	26.8	26.8	8.1	8.1	30.5	30.5	89.6	89.7	6.0	6.1	15.9		19		92				<0.2		2.7	
						6.7	0.5	8	26.8		8.1		30.5		89.8		6.1		15.9		21		91				<0.2		2.5	
IM6	Fine	Moderate	11:21	7.8	Surface	1.0	0.1	42	26.8	26.8	8.2	8.2	30.7	30.7	88.6	88.6	6.0	6.0	15.4	16.3	21	20	86	88	821042	805843	<0.2	<0.2	2.3	2.0
						1.0	0.1	45	26.8		8.2		30.7		88.6		6.0		15.4		20		87				<0.2		2.4	
					Middle	3.9	0.1	51	26.8	26.8	8.2	8.2	30.7	30.7	88.6	88.6	6.0		16.1		20		88				<0.2		1.9	
						3.9	0.1	51	26.8		8.2		30.7		88.6		6.0		15.8		19		87				<0.2		1.8	
					Bottom	6.8	0.1	82	26.8	26.8	8.2	8.2	30.7	30.7	89.4	89.5	6.0	6.0	17.4		19		90				<0.2		1.9	
						6.8	0.1	88	26.8		8.2		30.7		89.5		6.0		17.5		19		91				<0.2		1.9	
IM7	Fine	Moderate	11:29	7.9	Surface	1.0	0.1	137	27.1	27.1	8.2	8.2	30.0	30.0	90.5	90.5	6.1	6.1	7.7	9.4	6	10	86	89	821356	806855	<0.2	<0.2	1.5	1.5
						1.0	0.1	146	27.1		8.2		30.0		90.5		6.1		7.7		6		87				<0.2		1.5	
					Middle	4.0	0.2	115	27.0	27.0	8.2	8.2	30.2	30.3	90.5	90.5	6.1		8.4		9		89				<0.2		1.5	
						4.0	0.2	124	27.0		8.2		30.3		90.4		6.1		8.8		9		87				<0.2		1.6	
					Bottom	6.9	0.3	110	26.9	26.9	8.2	8.2	30.6	30.6	91.3	91.4	6.1	6.2	12.0		14		90				<0.2		1.6	
						6.9	0.3	112	26.9		8.2		30.6		91.5		6.2		12.0		14		92				<0.2		1.5	
IM8	Sunny	Moderate	11:22	8.3	Surface	1.0	0.1	216	28.3	28.3	4.7	4.7	27.6	27.6	88.5	88.5	5.9	5.9	1.0	4.6	7	8	84	89	821850	808163	<0.2	<0.2	2.2	1.9
						1.0	0.1	228	28.3		4.8		27.6		88.5		5.9		1.0		7		85				<0.2		2.1	
					Middle	4.2	0.1	304	28.3	28.3	5.9	5.9	27.7	27.9	87.4	87.1	5.8		4.7		8		88				<0.2		2.2	
						4.2	0.1	316	28.2		5.9		28.1		86.8		5.8		4.7		8		88				<0.2		2.1	
					Bottom	7.3	0.1	2	28.2	28.2	6.6	6.6	28.1	28.2	86.8	86.8	5.8	5.8	8.0		9		93				<0.2		1.2	
						7.3	0.1	2	28.2		6.6		28.4		86.7		5.8		8.1		10		93				<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 19 October 19 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	Sunny	Moderate	11:11	8.5	Surface	1.0	0.1	236	28.2	28.2	3.2	3.2	28.0	28.0	87.4	87.4	5.8	5.8	1.1	3.9	9	8	83	89	822112	808810	<0.2	<0.2	1.8	1.8
						1.0	0.1	259	28.2		3.2		28.0		87.4		5.8		1.1		8		85				<0.2		1.9	
					Middle	4.3	0.1	315	28.2	28.2	3.7	3.8	28.2	28.2	87.4	87.5	5.8		3.6		8		90				<0.2		2.0	
						4.3	0.1	323	28.2		3.8		28.2		87.5		5.8		3.6		6		90				<0.2		2.0	
					Bottom	7.5	0.1	3	28.2	28.2	5.7	5.8	28.2	28.1	88.0	88.1	5.9	5.9	7.1		8		92				<0.2		1.5	
						7.5	0.1	3	28.2		5.8		28.1		88.1		5.9		7.1		7		92				<0.2		1.5	
IM10	Sunny	Moderate	11:00	8.2	Surface	1.0	0.5	299	28.2	28.2	4.6	4.7	28.0	28.0	87.1	87.1	5.8	5.8	1.1	4.1	5	7	85	89	822370	809817	<0.2	<0.2	1.6	1.3
						1.0	0.5	320	28.2		4.7		28.1		87.1		5.8		1.1		6		85				<0.2		1.5	
					Middle	4.1	0.5	300	28.1	28.1	6.3	6.3	28.4	28.4	86.5	86.5	5.8		3.6		7		88				<0.2		1.2	
						4.1	0.5	329	28.1		6.4		28.4		86.4		5.8		3.5		6		89				<0.2		1.2	
					Bottom	7.2	0.5	291	28.1	28.1	7.4	7.3	28.4	28.4	86.3	86.3	5.8	5.8	7.7		9		91				<0.2		1.1	
						7.2	0.6	294	28.1		7.3		28.4		86.3		5.8		7.7		9		93				<0.2		1.4	
IM11	Sunny	Moderate	10:59	7.3	Surface	1.0	0.5	290	28.2	28.2	5.4	5.5	28.0	28.0	87.1	87.1	5.8	5.8	0.9	3.6	6	7	85	89	822055	811456	<0.2	<0.2	1.5	1.8
						1.0	0.5	316	28.2		5.5		28.1		87.1		5.8		0.8		6		85				<0.2		1.6	
					Middle	3.7	0.5	296	28.2	28.2	6.0	6.0	28.2	28.3	86.8	86.8	5.8		3.6		8		88				<0.2		1.9	
						3.7	0.5	297	28.2		6.0		28.3		86.7		5.8		3.6		8		90				<0.2		2.1	
					Bottom	6.3	0.4	293	28.2	28.2	5.9	5.9	28.3	28.2	86.7	86.8	5.8	5.8	6.3		8		94				<0.2		1.9	
						6.3	0.5	294	28.2		5.9		28.1		86.8		5.8		6.3		8		94				<0.2		1.8	
IM12	Sunny	Moderate	10:48	7.5	Surface	1.0	0.1	248	28.3	28.3	3.1	3.1	27.8	27.8	87.3	87.3	5.8	5.8	0.8	3.6	7	7	85	89	821479	812058	<0.2	<0.2	1.3	1.3
						1.0	0.1	269	28.3		3.1		27.9		87.3		5.8		0.8		6		85				<0.2		1.4	
					Middle	3.8	0.1	301	28.1	28.1	5.2	5.2	28.3	28.3	86.7	86.7	5.8		3.2		7		89				<0.2		1.1	
						3.8	0.1	325	28.1		5.2		28.3		86.6		5.8		3.2		7		89				<0.2		1.0	
					Bottom	6.5	0.1	359	28.1	28.1	6.5	6.6	28.4	28.4	87.2	87.3	5.8	5.8	6.6		6		94				<0.2		1.2	
						6.5	0.1	330	28.1		6.6		28.4		87.3		5.8		6.6		6		94				<0.2		1.7	
SR1A	Sunny	Moderate	10:14	4.3	Surface	1.0	-	-	28.1	28.1	6.1	6.1	29.3	29.3	85.8	85.7	5.7	5.7	1.0	2.2	9	12	-	-	819971	812665	-	-	-	-
						1.0	-	-	28.1		6.1		29.3		85.6		5.7		1.0		10		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	28.0	28.0	8.2	8.2	29.3	29.3	85.0	85.1	5.7	5.7	3.3		15		-				-		-	
						3.3	-	-	28.0		8.2		29.3		85.1		5.7		3.3		14		-				-		-	
SR2	Sunny	Moderate	10:03	4.6	Surface	1.0	0.6	316	28.0	28.0	6.4	6.4	29.0	29.0	87.6	87.6	5.8	5.8	0.8	2.4	8	9	83	85	821475	814175	<0.2	<0.2	1.5	1.6
						1.0	0.6	332	28.0		6.5		29.0		87.6		5.8		0.8		7		84				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.4	322	28.0	28.0	7.2	7.2	29.4	29.4	85.2	85.4	5.7	5.7	4.0		10		87				<0.2		1.6	
						3.6	0.4	328	28.0		7.2		29.4		85.5		5.7		4.0		11		87				<0.2		1.7	
SR3	Sunny	Moderate	11:33	8.0	Surface	1.0	0.1	80	28.2	28.2	5.6	5.6	27.7	27.7	89.7	89.9	6.0	6.0	1.1	4.0	4	4	-	-	822156	807563	-	-	-	-
						1.0	0.1	83	28.2		5.6		27.7		90.1		6.0		1.1		4		-				-		-	
					Middle	4.0	0.1	298	28.3	28.3	5.1	5.0	27.7	27.7	87.9	87.9	5.9		3.4		5		-				-		-	
						4.0	0.1	326	28.3		5.0		27.7		87.9		5.9		3.3		4		-				-		-	
					Bottom	7.0	0.1	281	28.3	28.3	5.2	5.2	27.8	27.8	87.6	87.7	5.9	5.9	7.4		4		-				-		-	
						7.0	0.1	305	28.3		5.3		27.8		87.7		5.9		7.4		5		-				-		-	
SR4A	Fine	Moderate	10:05	8.2	Surface	1.0	0.1	232	26.8	26.8	8.1	8.1	30.3	30.3	86.6	86.6	5.8	5.8	10.5	11.6	12	14	-	-	817172	807809	-	-	-	-
						1.0	0.1	251	26.8		8.1		30.3		86.6		5.8		10.6		12		-				-		-	
					Middle	4.1	0.1	239	26.8	26.8	8.1	8.1	30.3	30.3	86.5	86.6	5.8		11.9		14		-				-		-	
						4.1	0.1	252	26.8		8.1		30.3		86.6		5.8		11.8		13		-				-		-	
					Bottom	7.2	0.1	249	26.7	26.7	8.1	8.1	30.3	30.3	87.5	87.6	5.9	5.9	12.3		14		-				-		-	
						7.2	0.1	249	26.7		8.1		30.3		87.6		5.9		12.4		16		-				-		-	
SR5A	Fine	Moderate	09:43	5.2	Surface	1.0	0.2	294	26.8	26.8	8.1	8.1	30.4	30.4	85.4	85.4	5.8	5.8	12.3	14.1	15	16	-	-	816572	810699	-	-	-	-
						1.0	0.3	318	26.8		8.1		30.4		85.3		5.8		12.5		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	294	26.8	26.8	8.1	8.1	30.4	30.4	85.9	86.0	5.8	5.8	15.7		18		-				-		-	
						4.2	0.2	301	26.8		8.1		30.4		86.0		5.8		15.7		17		-				-		-	
SR6A	Fine	Moderate	09:16	4.6	Surface	1.0	0.0	229	27.0	27.0	8.0	8.0	30.1	30.1	82.1	82.1	5.5	5.5	10.5	11.9	7	13	-	-	817975	814738	-	-	-	-
						1.0	0.0	233	27.0		8.0		30.1		82.0		5.5		10.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	223	27.0	27.0	8.0	8.0	30.4	30.4	81.0	81.1	5.4	5.4	13.1		19		-				-		-	
						3.6	0.0	242	27.0		8.0		30.4		81.1		5.4		13.1		20		-				-		-	
SR7	Sunny	Moderate	09:16	16.4	Surface	1.0	0.1	208	28.3	28.3	5.0	4.9	29.9	29.9	84.1	84.1	5.5	5.5	0.9	8.0	6	7	-	-	823659	823739	-	-	-	-
						1.0	0.1	214	28.3		4.9		29.9		84.1		5.5		0.9		6		-				-		-	
					Middle	8.2	0.2	213	28.3	28.3	5.7	5.7	30.0	30.0	82.9	82.9	5.5		8.5		7		-				-		-	
						8.2	0.2	220	28.3		5.7		30.0		82.9		5.5		8.5		7		-				-		-	
					Bottom	15.4	0.1	151	28.3	28.3	5.6	5.6	30.1	30.1	82.8	82.9	5.5	5.5	14.6		8		-				-		-	
						15.4	0.1	159	28.3		5.6		30.1		82.9		5.5		14.6		7		-				-		-	
SR8	Sunny	Moderate	10:22	3.9	Surface	1.0	-	-	28.0	28.0	10.0	10.0	28.9	28.9	88.0	88.0	5.9	5.9	0.8	1.6	10	11	-	-	820392	811619	-	-	-	-
						1.0	-	-	28.0		10.1		28.9		88.0		5.9		0.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	-	-	28.0	28.0	12.6	12.6	28.9	28.9	88.0	88.1	5.9	5.9	2.4		11		-				-		-	
						2.9	-	-	28.0		12.6		28.9		88.1		5.9		2.3		11		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 October 19 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	06:39	7.6	Surface	1.0	0.1	223	27.6	27.6	8.0	8.0	29.4	29.4	87.9	87.9	5.9	5.7	4.7	8.6	5	6	83	86	815598	804267	<0.2	<0.2	0.9	1.0
						1.0	0.1	224	27.6		8.0		29.4		87.8		5.9		4.7		6		84				<0.2		1.0	
					Middle	3.8	0.2	212	27.8	27.8	8.0	8.0	30.3	30.3	83.1	83.2	5.5		7.7		6		86				<0.2		1.0	
						3.8	0.2	213	27.8		8.0		30.3		83.3		5.5		7.5		6		87				<0.2		0.9	
					Bottom	6.6	0.2	198	27.9	27.9	8.0	8.0	30.9	30.9	82.2	82.3	5.4	5.4	13.0		7		88				<0.2		1.0	
						6.6	0.2	198	27.9		8.0		30.9		82.3		5.4		13.7		6		88				<0.2		1.0	
C2	Fine	Moderate	07:36	8.1	Surface	1.0	0.2	160	26.6	26.6	8.1	8.1	23.4	23.3	97.1	97.1	6.8	6.4	4.0	6.0	6	5	83	88	825691	806931	<0.2	<0.2	1.5	1.5
						1.0	0.3	157	26.6		8.1		23.3		97.0		6.8		4.0		5		84				<0.2		1.5	
					Middle	4.1	0.3	178	26.9	26.9	8.1	8.1	27.6	27.7	86.5	86.6	5.9		6.0		5		87				<0.2		1.5	
						4.1	0.3	183	26.9		8.1		27.8		86.7		5.9		6.1		4		89				<0.2		1.5	
					Bottom	7.1	0.3	163	26.9	26.9	8.1	8.1	28.5	28.5	88.6	88.8	6.0	6.1	8.0		6		91				<0.2		1.5	
						7.1	0.3	166	26.9		8.1		28.5		89.0		6.1		8.1		5		91				<0.2		1.4	
C3	Fine	Moderate	05:36	10.9	Surface	1.0	0.3	79	26.8	26.8	8.1	8.1	30.4	30.4	85.1	85.1	5.7	5.7	4.4	4.8	3	4	83	87	822120	817798	<0.2	<0.2	1.6	1.5
						1.0	0.3	83	26.8		8.1		30.4		85.1		5.7		4.4		3		84				<0.2		1.4	
					Middle	5.5	0.2	65	26.8	26.8	8.1	8.1	30.5	30.5	85.2	85.3	5.7		4.8		4		87				<0.2		1.5	
						5.5	0.3	61	26.8		8.1		30.5		85.4		5.8		4.8		3		87				<0.2		1.5	
					Bottom	9.9	0.2	66	26.8	26.8	8.1	8.1	30.6	30.6	86.8	86.9	5.9	5.9	5.1		5		91				<0.2		1.5	
						9.9	0.2	68	26.8		8.1		30.6		87.0		5.9		5.2		4		91				<0.2		1.5	
IM1	Cloudy	Moderate	06:51	4.9	Surface	1.0	0.1	223	27.8	27.8	8.0	8.0	29.5	29.5	88.3	88.3	5.9	5.9	4.6	5.1	5	5	84	85	817931	807154	<0.2	<0.2	0.9	0.9
						1.0	0.1	225	27.8		8.0		29.5		88.2		5.9		4.6		5		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.3	194	27.7	27.7	8.0	8.0	30.2	30.2	82.9	82.9	5.5	5.5	5.6		6		86				<0.2		0.9	
						3.9	0.4	195	27.7		8.0		30.3		82.9		5.5		5.7		5		86				<0.2		1.0	
IM2	Cloudy	Moderate	06:56	6.3	Surface	1.0	0.2	223	27.6	27.6	8.1	8.1	29.2	29.2	87.3	87.3	5.9	5.8	7.5	8.2	8	8	83	85	818173	806155	<0.2	<0.2	1.0	1.0
						1.0	0.2	213	27.6		8.1		29.2		87.2		5.8		7.6		8		83				<0.2		1.0	
					Middle	3.2	0.2	222	27.5	27.5	8.1	8.1	29.2	29.2	86.6	86.6	5.8		8.5		8		86				<0.2		1.0	
						3.2	0.2	202	27.5		8.1		29.2		86.6		5.8		8.4		8		85				<0.2		0.9	
					Bottom	5.3	0.2	199	27.8	27.8	8.0	8.0	30.0	30.0	82.1	82.1	5.5	5.5	8.5		9		87				<0.2		1.0	
						5.3	0.2	193	27.8		8.0		30.0		82.0		5.5		8.6		8		88				<0.2		1.0	
IM3	Cloudy	Moderate	07:03	6.6	Surface	1.0	0.5	286	27.7	27.7	8.1	8.1	28.9	28.9	87.9	87.9	5.9	5.9	7.8	8.0	11	10	83	85	818786	805593	<0.2	<0.2	1.0	1.1
						1.0	0.5	284	27.7		8.1		28.9		87.9		5.9		7.8		10		83				<0.2		1.0	
					Middle	3.3	0.5	263	27.7	27.7	8.1	8.1	29.0	29.0	87.5	87.5	5.9		7.6		10		85				<0.2		1.0	
						3.3	0.5	246	27.7		8.1		29.0		87.5		5.9		7.6		10		85				<0.2		1.1	
					Bottom	5.6	0.3	242	27.7	27.8	8.1	8.1	29.3	29.3	87.7	87.7	5.9	5.9	8.4		9		87				<0.2		1.1	
						5.6	0.4	243	27.8		8.1		29.3		87.7		5.9		8.4		9		87				<0.2		1.1	
IM4	Cloudy	Moderate	07:11	7.1	Surface	1.0	0.5	247	27.6	27.6	8.0	8.0	28.7	28.7	88.7	88.7	6.0	6.0	10.4	11.5	13	13	83	85	819722	804609	<0.2	<0.2	1.1	1.1
						1.0	0.5	239	27.6		8.0		28.7		88.7		6.0		10.3		13		83				<0.2		1.1	
					Middle	3.6	0.5	260	27.6	27.6	8.0	8.0	28.9	28.9	87.9	87.9	5.9		11.5		13		85				<0.2		1.2	
						3.6	0.5	231	27.6		8.0		28.9		87.9		5.9		11.4		13		85				<0.2		1.1	
					Bottom	6.1	0.3	211	27.6	27.6	8.0	8.0	29.0	29.0	87.4	87.4	5.9	5.9	12.7		12		86				<0.2		1.0	
						6.1	0.3	212	27.6		8.0		29.0		87.4		5.9		12.6		12		87				<0.2		1.0	
IM5	Cloudy	Moderate	07:22	6.5	Surface	1.0	0.7	276	27.7	27.7	8.0	8.0	28.3	28.3	87.4	87.4	5.9	5.9	9.2	9.6	11	11	82	84	820754	804882	<0.2	<0.2	1.1	1.2
						1.0	0.7	277	27.7		8.0		28.3		87.4		5.9		9.2		11		83				<0.2		1.1	
					Middle	3.3	0.7	208	27.7	27.7	8.0	8.0	28.3	28.3	87.4	87.4	5.9		9.3		12		84				<0.2		1.2	
						3.3	0.7	235	27.7		8.0		28.3		87.4		5.9		9.3		11		85				<0.2		1.2	
					Bottom	5.5	0.5	231	27.7	27.7	8.0	8.0	28.3	28.3	87.5	87.5	5.9	5.9	10.4		11		86				<0.2		1.2	
						5.5	0.5	244	27.7		8.0		28.3		87.5		5.9		10.2		11		86				<0.2		1.2	
IM6	Cloudy	Moderate	07:30	6.0	Surface	1.0	0.1	216	27.8	27.8	8.0	8.0	28.0	28.0	87.4	87.4	5.9	5.9	7.0	7.4	8	8	82	85	821082	805839	<0.2	<0.2	1.3	1.3
						1.0	0.2	219	27.8		8.0		28.0		87.4		5.9		6.9		8		83				<0.2		1.2	
					Middle	3.0	0.2	258	27.8	27.8	8.0	8.0	28.0	28.0	87.4	87.4	5.9		7.4		7		85				<0.2		1.4	
						3.0	0.2	265	27.8		8.0		28.0		87.4		5.9		7.5		8		85				<0.2		1.4	
					Bottom	5.0	0.3	291	27.8	27.8	8.0	8.0	28.1	28.1	87.3	87.4	5.9	5.9	7.9		8		86				<0.2		1.3	
						5.0	0.3	294	27.8		8.0		28.1		87.4		5.9		7.9		8		87				<0.2		1.3	
IM7	Cloudy	Moderate	07:38	6.7	Surface	1.0	0.2	211	27.8	27.8	8.0	8.0	27.2	27.2	87.5	87.5	5.9	5.9	3.4	5.7	5	5	82	84	821339	806848	<0.2	<0.2	1.5	1.6
						1.0	0.2	225	27.8		8.0		27.2		87.5		5.9		3.4		5		82				<0.2		1.6	
					Middle	3.4	0.3	257	27.9	27.9	8.0	8.0	28.1	28.1	86.3	86.3	5.8		6.4		4		84				<0.2		1.6	
						3.4	0.3	266	27.9		8.0		28.1		86.3		5.8		6.5		4		84				<0.2		1.6	
					Bottom	5.7	0.2	320	27.8	27.8	7.9	7.9	28.2	28.2	86.3	86.3	5.8	5.8	7.3		4		86				<0.2		1.7	
						5.7	0.2	340	27.8		7.9		28.2		86.3		5.8		7.3		4		86				<0.2		1.6	
IM8	Fine	Moderate	06:59	8.6	Surface	1.0	0.4	200	26.9	26.9	8.1	8.1	28.9	28.9	87.4	87.4	5.9	5.9	3.6	8.3	4	4	83	87	821828	808116	<0.2	<0.2	1.4	1.4
						1.0	0.4	206	26.9		8.1		28.9		87.4		5.9		3.6		4		84				<0.2		1.4	
					Middle	4.3	0.4	213	26.7	26.7	8.1	8.1	29.2	29.2	87.3	87.3	5.9		9.5		4		87				<0.2		1.3	
						4.3	0.4	225	26.7		8.1		29.2		87.3		5.9		9.5		5		87				<0.2		1.5	
					Bottom	7.6	0.3	254	26.7	26.7	8.1	8.1	29.2	29.2	87.5	87.6	6.0	6.0	11.9		5		90				<0.2		1.6	
						7.6	0.3	258	26.7		8.1		29.2		87.6		6.0		11.9		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 22 October 19 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	06:54	8.3	Surface	1.0	0.2	185	26.9	26.9	8.1	8.1	29.0	29.0	86.9	86.9	5.9	5.9	3.5	3.9	4	4	83	87	822076	808791	<0.2	<0.2	1.4	1.5
						1.0	0.3	189	26.9		8.1		29.0		86.9		5.9		3.6		5		84				<0.2		1.3	
					Middle	4.2	0.3	195	26.8	26.8	8.1	8.1	29.2	29.2	86.9	87.2	5.9		3.9		4		86				<0.2		1.5	
						4.2	0.3	195	26.8		8.1		29.2		87.4		5.9		3.9		4		88				<0.2		1.5	
					Bottom	7.3	0.2	206	26.8	26.8	8.1	8.1	29.3	29.2	88.7	88.9	6.0	6.1	4.1		4		90				<0.2		1.5	
						7.3	0.2	211	26.8		8.1		29.2		89.1		6.1		4.1		4		91				<0.2		1.6	
IM10	Fine	Moderate	06:46	7.7	Surface	1.0	0.4	186	26.8	26.8	8.2	8.2	29.2	29.2	86.0	86.0	5.8	5.8	4.0	4.4	3	4	83	87	822381	809789	<0.2	<0.2	1.3	1.4
						1.0	0.4	189	26.8		8.2		29.2		85.9		5.8		4.1		4		84				<0.2		1.4	
					Middle	3.9	0.4	163	26.8	26.8	8.2	8.2	29.4	29.4	85.7	85.7	5.8		4.5		5		86				<0.2		1.4	
						3.9	0.4	165	26.8		8.2		29.4		85.6		5.8		4.6		4		87				<0.2		1.3	
					Bottom	6.7	0.3	189	26.8	26.8	8.1	8.1	29.4	29.4	90.6	90.8	6.2	6.2	4.7		4		90				<0.2		1.4	
						6.7	0.3	174	26.8		8.1		29.4		90.9		6.2		4.7		4		90				<0.2		1.3	
IM11	Fine	Moderate	06:35	7.3	Surface	1.0	0.5	163	26.8	26.8	8.1	8.1	29.2	29.2	87.3	87.3	5.9	5.9	4.1	4.6	6	5	82	87	822062	811468	<0.2	<0.2	1.6	1.4
						1.0	0.5	148	26.8		8.1		29.2		87.3		5.9		4.1		5		83				<0.2		1.5	
					Middle	3.7	0.5	129	26.8	26.8	8.1	8.1	29.3	29.3	87.0	87.0	5.9		4.4		5		87				<0.2		1.3	
						3.7	0.5	134	26.8		8.1		29.3		87.0		5.9		4.4		5		87				<0.2		1.4	
					Bottom	6.3	0.3	130	26.8	26.8	8.1	8.1	29.3	29.3	87.6	87.7	6.0	6.0	5.2		5		90				<0.2		1.3	
						6.3	0.3	135	26.8		8.1		29.3		87.7		6.0		5.2		5		90				<0.2		1.4	
IM12	Fine	Moderate	06:28	6.9	Surface	1.0	0.4	170	26.6	26.6	8.2	8.2	29.3	29.3	88.6	88.6	6.0	6.0	3.9	5.5	6	7	83	87	821440	812055	<0.2	<0.2	1.3	1.3
						1.0	0.4	165	26.6		8.2		29.3		88.5		6.0		3.9		5		83				<0.2		1.3	
					Middle	3.5	0.4	147	26.6	26.6	8.1	8.1	29.5	29.5	87.7	87.7	6.0		5.1		6		86				<0.2		1.3	
						3.5	0.4	121	26.6		8.1		29.5		87.7		6.0		5.1		5		87				<0.2		1.3	
					Bottom	5.9	0.3	125	26.6	26.6	8.1	8.1	29.6	29.6	88.2	88.3	6.0	6.0	7.3		8		90				<0.2		1.4	
						5.9	0.3	128	26.6		8.1		29.6		88.3		6.0		7.3		9		91				<0.2		1.2	
SR1A	Fine	Moderate	06:11	5.1	Surface	1.0	-	-	26.7	26.7	8.1	8.1	29.8	29.8	85.0	85.0	5.8	5.8	4.7	5.0	5	5	-	-	819979	812659	-	-	-	-
						1.0	-	-	26.7		8.1		29.8		85.0		5.8		4.6		6		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	26.7	26.7	8.1	8.1	29.8	29.8	86.0	86.1	5.8	5.8	5.4		5		-				-		-	
						4.1	-	-	26.7		8.1		29.8		86.2		5.8		5.4		5		-				-		-	
SR2	Fine	Moderate	05:58	4.6	Surface	1.0	0.1	140	26.7	26.7	8.2	8.2	29.8	29.7	86.3	86.4	5.9	5.9	6.0	6.4	5	6	82	86	821464	814143	<0.2	<0.2	1.4	1.4
						1.0	0.1	133	26.7		8.2		29.7		86.4		5.9		6.0		7		83				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	113	26.8	26.8	8.1	8.1	29.8	29.8	87.5	87.6	5.9	5.9	6.8		6		90				<0.2		1.4	
						3.6	0.1	133	26.8		8.1		29.8		87.6		5.9		6.8		7		90				<0.2		1.5	
SR3	Fine	Moderate	07:05	8.4	Surface	1.0	0.4	206	26.8	26.8	8.1	8.1	28.4	28.4	87.7	87.7	6.0	5.9	3.1	4.4	3	4	-	-	822159	807582	-	-	-	-
						1.0	0.4	219	26.8		8.1		28.4		87.7		6.0		3.1		4		-				-		-	
					Middle	4.2	0.4	182	26.8	26.8	8.1	8.1	29.2	29.2	85.6	85.6	5.8		4.9		5		-				-		-	
						4.2	0.4	185	26.8		8.1		29.3		85.6		5.8		5.0		4		-				-		-	
					Bottom	7.4	0.4	174	26.8	26.8	8.1	8.1	29.4	29.4	86.1	86.2	5.8	5.9	5.2		5		-				-		-	
						7.4	0.4	195	26.8		8.1		29.4		86.3		5.9		5.2		4		-				-		-	
SR4A	Cloudy	Calm	06:27	9.1	Surface	1.0	0.1	104	27.6	27.6	8.0	8.0	29.6	29.6	85.0	85.0	5.7	5.6	5.5	8.7	6	7	-	-	817211	807808	-	-	-	-
						1.0	0.1	110	27.6		8.0		29.6		85.0		5.7		5.5		6		-				-		-	
					Middle	4.6	0.0	54	27.7	27.7	8.0	8.0	30.0	30.0	82.7	82.7	5.5		8.6		7		-				-		-	
						4.6	0.0	54	27.7		8.0		30.0		82.7		5.5		8.4		6		-				-		-	
					Bottom	8.1	0.2	43	27.8	27.8	8.0	8.0	30.4	30.4	81.5	81.5	5.4	5.4	12.4		9		-				-		-	
						8.1	0.2	45	27.8		8.0		30.4		81.5		5.4		12.1		10		-				-		-	
SR5A	Cloudy	Calm	06:14	3.5	Surface	1.0	0.6	54	27.7	27.7	8.0	8.0	29.2	29.2	88.6	88.6	5.9	5.9	4.4	4.4	4	5	-	-	816585	810681	-	-	-	-
						1.0	0.6	56	27.7		8.0		29.2		88.5		5.9		4.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.4	0	27.6	27.6	8.0	8.0	29.3	29.3	88.4	88.5	5.9	5.9	4.4		5		-				-		-	
						2.5	0.5	0	27.6		8.0		29.3		88.5		5.9		4.4		6		-				-		-	
SR6A	Cloudy	Calm	05:50	4.2	Surface	1.0	0.1	146	27.5	27.5	7.9	7.9	29.3	29.3	81.6	81.6	5.5	5.5	4.9	6.7	6	7	-	-	817967	814749	-	-	-	-
						1.0	0.1	151	27.5		7.9		29.3		81.5		5.5		4.9		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	151	27.8	27.8	7.9	7.9	29.7	29.7	76.6	76.6	5.1	5.1	8.7		7		-				-		-	
						3.2	0.0	153	27.8		7.9		29.7		76.5		5.1		8.5		8		-				-		-	
SR7	Fine	Moderate	04:53	15.4	Surface	1.0	0.3	88	26.7	26.7	8.1	8.1	30.9	30.9	85.4	85.4	5.8	5.7	2.2	2.5	3	4	-	-	823651	823725	-	-	-	-
						1.0	0.3	90	26.7		8.1		30.9		85.3		5.8		2.2		4		-				-		-	
					Middle	7.7	0.0	290	26.7	26.7	8.1	8.1	31.0	31.0	83.9	83.9	5.7		2.3		3		-				-		-	
						7.7	0.0	308	26.7		8.1		31.0		83.8		5.6		2.3		4		-				-		-	
					Bottom	14.4	0.1	67	26.8	26.8	8.1	8.1	31.4	31.4	82.4	82.4	5.5	5.5	3.0		4		-				-		-	
						14.4	0.1	67	26.8		8.1		31.4		82.4		5.5		3.1		5		-				-		-	
SR8	Fine	Moderate	06:20	4.7	Surface	1.0	-	-	26.8	26.8	8.1	8.1	29.5	29.5	91.6	91.6	6.2	6.2	8.1	7.8	8	9	-	-	820407	811622	-	-	-	-
						1.0	-	-	26.8		8.1		29.5		91.5		6.2		8.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	26.6	26.6	8.1	8.1	29.5	29.5	92.3	92.5	6.3	6.3	7.5		10		-				-		-	
						3.7	-	-	26.6		8.1		29.5		92.6		6.3		7.5		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 22 October 19 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	18:35	7.4	Surface	1.0	0.1	322	27.6	27.6	8.1	8.1	28.9	28.9	87.6	87.6	5.9	5.8	10.9	11.9	12	14	84	86	815625	804264	<0.2	<0.2	1.2	1.1
						1.0	0.1	348	27.6		8.1		28.9		87.6		5.9		10.8		13		84				<0.2		1.1	
					Middle	3.7	0.1	339	27.6	27.6	8.1	8.1	29.2	29.2	85.1	85.1	5.7		11.1		15		86				<0.2		1.0	
						3.7	0.1	341	27.6		8.1		29.2		85.0		5.7		11.0		14		86				<0.2		1.0	
					Bottom	6.4	0.2	340	27.9	27.9	8.1	8.1	30.8	30.8	80.0	80.0	5.3	5.3	14.0		14		88				<0.2		1.0	
						6.4	0.2	343	27.9		8.1		30.8		80.0		5.3		13.8		14		89				<0.2		1.1	
C2	Fine	Rough	17:47	8.3	Surface	1.0	0.2	211	26.6	26.6	8.2	8.2	22.9	22.9	96.8	96.7	6.8	6.3	4.8	6.9	3	3	83	87	825689	806942	<0.2	<0.2	1.3	1.3
						1.0	0.2	220	26.6		8.2		22.9		96.6		6.8		4.8		4		83				<0.2		1.3	
					Middle	4.2	0.3	301	26.9	26.9	8.1	8.1	26.5	26.5	84.7	84.6	5.8		5.6		3		88				<0.2		1.3	
						4.2	0.3	327	26.9		8.1		26.5		84.4		5.8		5.6		3		88				<0.2		1.4	
					Bottom	7.3	0.3	326	27.0	27.0	8.1	8.1	28.8	28.8	84.4	84.6	5.7	5.8	10.4		3		90				<0.2		1.4	
						7.3	0.3	340	27.0		8.1		28.8		84.8		5.8		10.4		3		91				<0.2		1.2	
C3	Fine	Rough	19:58	11.4	Surface	1.0	0.5	255	27.1	27.1	8.2	8.2	30.1	30.1	89.0	89.0	6.0	5.9	3.5	4.6	3	4	83	86	822104	817806	<0.2	<0.2	1.5	1.4
						1.0	0.5	271	27.1		8.2		30.1		88.9		6.0		3.5		3		83				<0.2		1.4	
					Middle	5.7	0.4	270	26.9	26.9	8.1	8.1	30.3	30.3	85.3	85.4	5.8		4.4		4		87				<0.2		1.4	
						5.7	0.4	289	26.9		8.1		30.3		85.5		5.8		4.4		4		87				<0.2		1.3	
					Bottom	10.4	0.3	262	26.9	26.9	8.1	8.1	30.3	30.3	86.6	86.8	5.8	5.9	6.0		4		90				<0.2		1.2	
						10.4	0.3	266	26.9		8.1		30.4		86.9		5.9		6.1		4		87				<0.2		1.4	
IM1	Cloudy	Moderate	18:25	4.7	Surface	1.0	0.4	344	27.8	27.8	8.1	8.1	29.5	29.5	89.7	89.7	6.0	6.0	4.2	7.4	3	5	84	85	817969	807139	<0.2	<0.2	1.0	1.0
						1.0	0.4	316	27.8		8.1		29.5		89.7		6.0		4.2		4		84				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	351	27.8	27.8	8.0	8.0	30.1	30.1	83.3	83.4	5.5	5.5	10.6		6		87				<0.2		1.1	
						3.7	0.3	352	27.8		8.0		30.1		83.4		5.5		10.6		6		86				<0.2		1.0	
IM2	Cloudy	Moderate	18:19	6.4	Surface	1.0	0.3	325	27.7	27.7	8.1	8.1	29.3	29.3	87.4	87.4	5.8	5.8	6.5	8.0	8	8	83	85	818164	806170	<0.2	<0.2	1.0	1.0
						1.0	0.3	327	27.7		8.1		29.3		87.3		5.8		6.5		8		83				<0.2		0.9	
					Middle	3.2	0.4	329	27.6	27.6	8.1	8.1	29.3	29.3	85.6	85.6	5.7		7.0		8		85				<0.2		1.1	
						3.2	0.4	351	27.6		8.1		29.3		85.6		5.7		7.1		7		85				<0.2		1.0	
					Bottom	5.4	0.3	322	27.9	27.9	8.1	8.1	30.5	30.5	79.2	79.2	5.2	5.2	10.2		8		88				<0.2		1.1	
						5.4	0.3	331	27.9		8.1		30.5		79.2		5.2		10.6		9		88				<0.2		1.0	
IM3	Cloudy	Moderate	18:12	6.2	Surface	1.0	0.5	329	27.7	27.7	8.1	8.1	29.1	29.1	88.0	88.0	5.9	5.9	7.5	7.6	10	12	83	85	818795	805583	<0.2	<0.2	1.1	1.1
						1.0	0.6	333	27.7		8.1		29.1		88.0		5.9		7.6		10		83				<0.2		1.0	
					Middle	3.1	0.5	328	27.7	27.7	8.1	8.1	29.3	29.3	87.1	87.1	5.8		7.4		12		85				<0.2		1.1	
						3.1	0.6	340	27.7		8.1		29.3		87.1		5.8		7.4		11		85				<0.2		1.1	
					Bottom	5.2	0.4	358	27.7	27.7	8.1	8.1	29.4	29.4	86.6	86.7	5.8	5.8	7.9		13		87				<0.2		1.0	
						5.2	0.4	329	27.7		8.1		29.4		86.7		5.8		7.9		13		87				<0.2		1.0	
IM4	Cloudy	Moderate	18:03	6.8	Surface	1.0	0.4	13	27.7	27.7	8.0	8.0	28.2	28.2	89.0	89.0	6.0	6.0	13.2	13.7	18	19	82	85	819708	804605	<0.2	<0.2	1.3	1.3
						1.0	0.5	13	27.7		8.0		28.2		89.0		6.0		12.9		19		83				<0.2		1.2	
					Middle	3.4	0.6	23	27.7	27.7	8.0	8.0	28.4	28.4	88.5	88.5	6.0		13.3		18		85				<0.2		1.2	
						3.4	0.7	25	27.7		8.0		28.4		88.5		6.0		13.3		19		85				<0.2		1.3	
					Bottom	5.8	0.5	347	27.7	27.7	8.0	8.0	28.8	28.7	88.0	88.0	5.9	5.9	14.9		22		87				<0.2		1.2	
						5.8	0.5	319	27.7		8.0		28.7		88.0		5.9		14.9		20		87				<0.2		1.3	
IM5	Cloudy	Moderate	17:56	6.3	Surface	1.0	0.2	18	27.8	27.8	8.0	8.0	28.1	28.1	87.3	87.3	5.9	5.9	7.3	8.1	10	10	82	85	820753	804880	<0.2	<0.2	1.3	1.3
						1.0	0.3	19	27.8		8.0		28.1		87.3		5.9		7.4		9		83				<0.2		1.2	
					Middle	3.2	0.3	17	27.8	27.8	8.0	8.0	28.1	28.1	87.0	87.0	5.8		7.9		9		85				<0.2		1.2	
						3.2	0.3	17	27.8		8.0		28.1		87.0		5.8		7.9		10		85				<0.2		1.4	
					Bottom	5.3	0.4	23	27.8	27.8	8.0	8.0	28.2	28.2	87.0	87.0	5.8	5.8	9.0		9		87				<0.2		1.3	
						5.3	0.4	24	27.8		8.0		28.2		87.0		5.8		9.0		10		87				<0.2		1.3	
IM6	Cloudy	Moderate	17:52	6.1	Surface	1.0	0.2	299	27.8	27.8	8.0	8.0	28.1	28.1	87.3	87.3	5.9	5.9	7.3	7.6	10	9	83	85	821046	805818	<0.2	<0.2	1.2	1.3
						1.0	0.3	301	27.8		8.0		28.1		87.3		5.9		7.4		11		83				<0.2		1.3	
					Middle	3.1	0.1	12	27.8	27.8	8.0	8.0	28.1	28.1	87.4	87.4	5.9		7.2		8		85				<0.2		1.3	
						3.1	0.1	12	27.8		8.0		28.1		87.4		5.9		7.2		8		85				<0.2		1.4	
					Bottom	5.1	0.1	10	27.8	27.8	8.0	8.0	28.1	28.1	87.2	87.2	5.9	5.9	8.2		7		87				<0.2		1.4	
						5.1	0.1	10	27.8		8.0		28.1		87.2		5.9		8.3		8		87				<0.2		1.2	
IM7	Cloudy	Moderate	17:45	6.9	Surface	1.0	0.2	327	27.9	27.9	8.0	8.0	27.4	27.4	87.4	87.4	5.9	5.9	3.8	6.2	5	5	82	84	821353	806819	<0.2	<0.2	1.6	1.6
						1.0	0.2	354	27.9		8.0		27.4		87.4		5.9		3.8		4		82				<0.2		1.5	
					Middle	3.5	0.1	342	27.8	27.8	8.0	8.0	28.0	28.0	86.5	86.5	5.8		6.4		5		84				<0.2		1.6	
						3.5	0.1	315	27.8		8.0		28.0		86.5		5.8		6.3		4		85				<0.2		1.6	
					Bottom	5.9	0.1	339	27.8	27.8	8.0	8.0	28.1	28.1	86.4	86.4	5.8	5.8	8.5		5		86				<0.2		1.5	
						5.9	0.2	349	27.8		8.0		28.1		86.4		5.8		8.6		4		87				<0.2		1.5	
IM8	Fine	Rough	18:20	8.2	Surface	1.0	0.1	241	26.8	26.8	8.1	8.1	28.6	28.6	87.6	87.7	6.0	6.0	3.9	5.3	6	6	83	87	821837	808143	<0.2	<0.2	1.3	1.4
						1.0	0.1	250	26.8		8.1		28.6		87.7		6.0		3.9		5		83				<0.2		1.3	
					Middle	4.1	0.3	254	26.8	26.8	8.1	8.1	28.7	28.7	88.8	88.9	6.0		5.2		6		87				<0.2		1.4	
						4.1	0.3	260	26.8		8.1		28.7		88.9		6.1		5.2		5		87				<0.2		1.4	
					Bottom	7.2	0.3	268	26.8	26.8	8.1	8.1	28.9	28.9	89.6	89.7	6.1	6.1	6.7		5		90				<0.2		1.3	
						7.2	0.3	287	26.8		8.1		28.9		89.7		6.1		6.8		6		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 22 October 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Rough	18:27	8.0	Surface	1.0	0.3	244	26.8	26.8	8.1	8.1	28.3	28.3	88.1	88.1	6.0	6.0	3.1	3.7	2	3	83	87	822079	808808	<0.2	<0.2	1.5	1.5
						1.0	0.3	245	26.8		8.1		28.4		88.1		6.0		3.2		3		84				<0.2		1.5	
					Middle	4.0	0.3	268	26.9	26.9	8.1	8.1	28.9	28.9	88.3	88.4	6.0		3.5		4		86				<0.2		1.5	
						4.0	0.3	275	26.9		8.1		28.9		88.4		6.0		3.5		3		87				<0.2		1.5	
					Bottom	7.0	0.3	271	26.8	26.8	8.1	8.1	29.0	29.0	88.7	88.8	6.0	6.0	4.4		4		91				<0.2		1.4	
						7.0	0.3	287	26.8		8.1		29.0		88.8		6.0		4.4		3		91				<0.2		1.3	
IM10	Fine	Rough	18:34	7.8	Surface	1.0	0.1	350	26.8	26.8	8.1	8.1	27.9	27.9	88.3	88.3	6.0	6.0	2.7	4.2	5	5	83	87	822401	809786	<0.2	<0.2	1.3	1.4
						1.0	0.1	322	26.8		8.1		27.9		88.2		6.0		2.7		5		84				<0.2		1.5	
					Middle	3.9	0.2	342	26.8	26.8	8.1	8.1	28.8	28.8	87.5	87.6	6.0		4.3		5		86				<0.2		1.4	
						3.9	0.3	315	26.8		8.1		28.9		87.6		6.0		4.4		6		86				<0.2		1.4	
					Bottom	6.8	0.2	300	26.8	26.8	8.1	8.1	29.1	29.1	88.3	88.4	6.0	6.0	5.5		5		90				<0.2		1.4	
						6.8	0.2	328	26.8		8.1		29.1		88.5		6.0		5.5		4		91				<0.2		1.5	
IM11	Fine	Rough	18:43	7.7	Surface	1.0	0.5	308	27.1	27.1	8.1	8.1	28.6	28.6	88.4	88.4	6.0	6.0	3.2	4.2	4	6	82	87	822075	811450	<0.2	<0.2	1.4	1.4
						1.0	0.5	331	27.1		8.1		28.6		88.3		6.0		3.2		6		82				<0.2		1.3	
					Middle	3.9	0.3	304	26.9	26.9	8.1	8.1	29.0	29.0	87.5	87.5	5.9		4.4		6		87				<0.2		1.3	
						3.9	0.3	325	26.9		8.1		29.0		87.5		5.9		4.4		6		88				<0.2		1.4	
					Bottom	6.7	0.4	317	26.9	26.9	8.1	8.1	29.1	29.1	88.4	88.5	6.0	6.0	5.0		6		91				<0.2		1.6	
						6.7	0.5	333	26.9		8.1		29.1		88.5		6.0		5.1		7		91				<0.2		1.4	
IM12	Fine	Rough	18:49	7.6	Surface	1.0	0.5	299	26.9	26.9	8.1	8.1	29.1	29.1	87.5	87.4	5.9	5.9	4.5	6.6	3	4	83	87	821462	812055	<0.2	<0.2	1.3	1.4
						1.0	0.5	300	26.9		8.1		29.1		87.3		5.9		4.5		3		83				<0.2		1.3	
					Middle	3.8	0.5	293	26.7	26.7	8.1	8.1	29.4	29.4	85.7	85.7	5.8		7.3		4		87				<0.2		1.5	
						3.8	0.6	317	26.7		8.1		29.4		85.6		5.8		7.3		4		87				<0.2		1.4	
					Bottom	6.6	0.4	323	26.7	26.7	8.1	8.1	29.5	29.5	85.8	85.9	5.8	5.8	8.0		4		91				<0.2		1.5	
						6.6	0.4	339	26.7		8.1		29.5		85.9		5.8		8.1		4		91				<0.2		1.4	
SR1A	Fine	Rough	19:17	5.6	Surface	1.0	-	-	26.7	26.7	8.2	8.2	29.6	29.6	88.7	88.7	6.0	6.0	5.2	6.3	9	8	-	-	819979	812665	-	-	-	-
						1.0	-	-	26.7		8.2		29.6		88.7		6.0		5.2		9		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	26.6	26.6	8.1	8.1	29.7	29.7	88.2	88.3	6.0	6.0	7.3		7		-				-		-	
						4.6	-	-	26.6		8.1		29.7		88.4		6.0		7.3		8		-				-		-	
SR2	Fine	Rough	19:35	4.8	Surface	1.0	0.6	321	26.7	26.7	8.2	8.2	29.7	29.7	87.3	87.3	5.9	5.9	6.2	7.4	5	5	82	85	821480	814165	<0.2	<0.2	1.4	1.4
						1.0	0.6	340	26.7		8.2		29.7		87.3		5.9		6.2		5		83				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.4	328	26.7	26.7	8.2	8.2	29.7	29.7	87.7	87.8	6.0	6.0	8.5		5		87				<0.2		1.4	
						3.8	0.5	355	26.7		8.2		29.7		87.8		6.0		8.6		6		87				<0.2		1.3	
SR3	Fine	Rough	18:14	7.9	Surface	1.0	0.2	47	26.6	26.6	8.1	8.1	27.2	27.2	89.0	89.0	6.1	6.0	2.4	4.1	3	4	-	-	822155	807572	-	-	-	-
						1.0	0.2	48	26.6		8.1		27.3		89.0		6.1		2.4		4		-				-		-	
					Middle	4.0	0.1	29	26.8	26.8	8.1	8.1	28.9	28.9	86.3	86.4	5.9		4.9		4		-				-		-	
						4.0	0.1	26	26.8		8.1		28.9		86.4		5.9		5.0		5		-				-		-	
					Bottom	6.9	0.2	28	26.8	26.8	8.1	8.1	29.3	29.2	88.4	88.5	6.0	6.0	5.1		5		-				-		-	
						6.9	0.2	29	26.8		8.1		29.2		88.6		6.0		5.1		4		-				-		-	
SR4A	Cloudy	Calm	18:49	8.9	Surface	1.0	0.4	255	27.8	27.8	8.0	8.0	29.4	29.4	85.3	85.3	5.7	5.7	13.2	15.4	17	19	-	-	817165	807818	-	-	-	-
						1.0	0.4	260	27.8		8.0		29.4		85.3		5.7		13.3		16		-				-		-	
					Middle	4.5	0.5	259	27.8	27.8	8.0	8.0	29.4	29.4	85.0	85.0	5.7		15.8		19		-				-		-	
						4.5	0.5	244	27.8		8.0		29.4		85.0		5.7		16.2		19		-				-		-	
					Bottom	7.9	0.3	258	27.8	27.8	8.0	8.0	29.4	29.4	85.0	85.1	5.7	5.7	16.9		21		-				-		-	
						7.9	0.3	227	27.8		8.0		29.4		85.1		5.7		17.1		19		-				-		-	
SR5A	Cloudy	Calm	19:07	3.3	Surface	1.0	0.1	243	27.8	27.8	8.0	8.0	29.2	29.2	88.2	88.2	5.9	5.9	14.9	15.6	20	21	-	-	816599	810707	-	-	-	-
						1.0	0.1	247	27.8		8.0		29.2		88.2		5.9		14.5		21		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.2	266	27.8	27.8	8.0	8.0	29.2	29.2	88.2	88.2	5.9	5.9	16.7		22		-				-		-	
						2.3	0.2	271	27.8		8.0		29.2		88.2		5.9		16.4		22		-				-		-	
SR6A	Cloudy	Calm	19:45	3.8	Surface	1.0	0.0	203	27.7	27.7	8.0	8.0	29.3	29.3	86.3	86.3	5.8	5.8	9.6	10.6	7	9	-	-	817956	814720	-	-	-	-
						1.0	0.0	220	27.7		8.0		29.3		86.3		5.8		9.5		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	224	27.7	27.7	8.0	8.0	29.3	29.3	85.7	85.7	5.7	5.7	11.5		10		-				-		-	
						2.8	0.0	227	27.7		8.0		29.3		85.6		5.7		11.6		10		-				-		-	
SR7	Fine	Rough	20:30	16.8	Surface	1.0	0.0	213	26.9	26.9	8.2	8.2	30.3	30.3	88.3	88.3	6.0	5.9	2.7	3.0	8	8	-	-	823617	823726	-	-	-	-
						1.0	0.0	222	26.9		8.2		30.3		88.3		6.0		2.7		8		-				-		-	
					Middle	8.4	0.0	270	26.7	26.7	8.2	8.1	30.4	30.4	85.2	85.2	5.8		2.5		8		-				-		-	
						8.4	0.0	271	26.7		8.1		30.4		85.2		5.8		2.6		7		-				-		-	
					Bottom	15.8	0.1	237	26.7	26.7	8.1	8.1	30.5	30.5	86.1	86.3	5.8	5.8	3.6		7		-				-		-	
						15.8	0.1	240	26.7		8.1		30.5		86.4		5.8		3.6		7		-				-		-	
SR8	Fine	Rough	19:04	5.2	Surface	1.0	-	-	27.0	27.0	8.1	8.1	29.0	29.0	88.8	88.8	6.0	6.0	3.6	4.6	5	6	-	-	820378	811599	-	-	-	-
						1.0	-	-	27.0		8.1		29.0		88.7		6.0		3.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	26.8	26.8	8.2	8.2	29.3	29.3	86.7	86.7	5.9	5.9	5.7		5		-				-		-	
						4.2	-	-	26.8		8.2		29.3		86.7		5.9		5.7		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 October 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	09:52	8.4	Surface	1.0	0.4	215	26.6	26.6	8.2	8.2	30.6	30.6	87.1	87.1	5.9	5.7	4.9	6.7	5	6	86	90	815601	804235	<0.2	<0.2	1.0	0.9
						1.0	0.4	221	26.6		8.2		30.6		87.1		5.9		4.9		5		88				<0.2		0.8	
					Middle	4.2	0.3	222	26.7	26.7	8.2	8.2	31.8	31.8	81.0	80.9	5.4		8.0		5		89				<0.2		0.9	
						4.2	0.3	222	26.7		8.2		31.8		80.8		5.4		7.8		7		90				<0.2		1.0	
					Bottom	7.4	0.3	219	26.7	26.7	8.2	8.2	31.9	31.9	77.8	77.5	5.2	5.2	7.2		6		91				<0.2		0.9	
						7.4	0.3	232	26.7		8.2		31.9		77.2		5.2		7.2		7		93				<0.2		1.0	
C2	Cloudy	Moderate	11:07	10.8	Surface	1.0	0.7	177	27.8	27.8	8.0	8.0	26.5	26.6	89.1	89.0	6.0	5.9	2.9	7.7	5	5	89	90	825658	806950	<0.2	<0.2	1.6	1.6
						1.0	0.8	181	27.7		8.0		26.6		88.8		6.0		2.8		5		89				<0.2		1.7	
					Middle	5.4	0.7	170	27.8	27.9	8.0	8.0	27.4	27.4	86.4	86.1	5.8		6.6		4		90				<0.2		1.6	
						5.4	0.7	180	27.9		8.0		27.4		85.7		5.8		6.7		4		90				<0.2		1.5	
					Bottom	9.8	0.4	182	28.0	28.0	8.0	8.0	29.6	29.6	82.2	82.5	5.5	5.5	13.5		5		91				<0.2		1.6	
						9.8	0.4	192	28.0		8.0		29.6		82.7		5.5		13.9		6		91				<0.2		1.6	
C3	Cloudy	Moderate	08:59	11.9	Surface	1.0	0.4	80	27.5	27.5	8.0	8.0	29.6	29.6	84.9	84.9	5.7	5.5	3.0	4.4	4	4	88	91	822128	817798	<0.2	<0.2	1.0	1.0
						1.0	0.5	80	27.5		8.0		29.7		84.8		5.7		3.1		4		89				<0.2		1.0	
					Middle	6.0	0.3	79	27.9	27.9	8.0	8.0	30.8	30.9	79.9	80.0	5.3		4.9		4		91				<0.2		0.9	
						6.0	0.3	82	27.9		8.0		30.9		80.1		5.3		5.0		3		91				<0.2		1.0	
					Bottom	10.9	0.2	70	27.9	27.9	8.0	8.0	31.1	31.1	81.4	81.5	5.4	5.4	5.3		4		93				<0.2		1.0	
						10.9	0.3	76	27.9		8.0		31.1		81.6		5.4		5.1		4		94				<0.2		1.0	
IM1	Cloudy	Moderate	10:17	5.5	Surface	1.0	0.1	231	26.6	26.6	8.2	8.2	30.6	30.6	86.9	86.9	5.9	5.9	5.3	6.1	6	6	85	88	817927	807112	<0.2	<0.2	0.9	0.9
						1.0	0.1	253	26.6		8.2		30.7		86.8		5.9		5.4		5		86				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	140	26.6	26.6	8.2	8.2	31.1	31.1	86.4	86.6	5.8	5.9	6.7		7		89				<0.2		0.9	
						4.5	0.1	147	26.6		8.2		31.1		86.7		5.9		6.8		7		90				<0.2		0.8	
IM2	Cloudy	Moderate	10:22	7.0	Surface	1.0	0.1	180	26.5	26.5	8.2	8.2	30.7	30.7	85.4	85.4	5.8	5.7	6.5	8.7	6	6	86	88	818175	806154	<0.2	<0.2	0.8	0.8
						1.0	0.1	186	26.5		8.2		30.7		85.3		5.8		6.5		6		85				<0.2		0.8	
					Middle	3.5	0.1	165	26.5	26.5	8.2	8.2	31.2	31.2	82.7	82.7	5.6		8.8		7		88				<0.2		0.8	
						3.5	0.1	170	26.5		8.2		31.3		82.7		5.6		9.0		6		89				<0.2		0.8	
					Bottom	6.0	0.1	142	26.6	26.6	8.2	8.2	31.5	31.5	83.2	83.3	5.6	5.6	10.6		6		90				<0.2		0.8	
						6.0	0.1	146	26.6		8.2		31.5		83.3		5.6		10.6		7		90				<0.2		0.8	
IM3	Cloudy	Moderate	10:28	7.5	Surface	1.0	0.2	126	26.5	26.5	8.2	8.2	30.9	30.9	84.8	84.8	5.7	5.7	13.9	13.4	14	14	86	88	818788	805606	<0.2	<0.2	0.9	0.8
						1.0	0.2	130	26.5		8.2		30.9		84.8		5.7		13.9		15		86				<0.2		0.8	
					Middle	3.8	0.1	133	26.5	26.5	8.2	8.2	31.1	31.1	84.6	84.6	5.7		13.9		14		87				<0.2		0.8	
						3.8	0.1	134	26.5		8.2		31.1		84.5		5.7		13.7		14		88				<0.2		0.8	
					Bottom	6.5	0.1	171	26.5	26.5	8.2	8.2	31.5	31.5	84.5	84.7	5.7	5.7	12.4		14		90				<0.2		0.8	
						6.5	0.1	182	26.5		8.2		31.5		84.9		5.7		12.5		14		90				<0.2		0.8	
IM4	Cloudy	Calm	10:36	7.6	Surface	1.0	0.8	199	26.4	26.4	8.2	8.2	29.5	29.5	91.4	91.4	6.2	6.2	7.8	8.4	8	8	86	88	819704	804599	<0.2	<0.2	1.0	1.0
						1.0	0.9	201	26.4		8.2		29.5		91.4		6.2		7.9		8		87				<0.2		0.9	
					Middle	3.8	0.7	189	26.4	26.4	8.2	8.2	29.5	29.5	91.5	91.5	6.2		7.6		9		88				<0.2		1.0	
						3.8	0.7	206	26.4		8.2		29.6		91.4		6.2		7.5		8		89				<0.2		0.9	
					Bottom	6.6	0.6	190	26.3	26.3	8.2	8.2	29.6	29.6	92.5	92.6	6.3	6.3	9.9		9		90				<0.2		1.0	
						6.6	0.6	205	26.3		8.2		29.6		92.7		6.3		9.9		8		90				<0.2		0.9	
IM5	Cloudy	Calm	10:44	7.6	Surface	1.0	0.8	216	26.4	26.4	8.2	8.2	29.5	29.5	90.2	90.2	6.2	6.1	5.9	9.0	6	6	86	88	820756	804852	<0.2	<0.2	1.0	1.1
						1.0	0.9	218	26.4		8.2		29.5		90.1		6.2		6.0		6		85				<0.2		1.1	
					Middle	3.8	0.7	211	26.3	26.3	8.2	8.2	29.7	29.8	88.6	88.6	6.1		7.4		7		87				<0.2		1.1	
						3.8	0.7	217	26.3		8.2		29.8		88.5		6.0		7.7		6		88				<0.2		1.1	
					Bottom	6.6	0.6	207	26.3	26.3	8.2	8.2	30.3	30.3	91.0	91.2	6.2	6.2	13.8		6		90				<0.2		1.1	
						6.6	0.6	226	26.3		8.2		30.3		91.3		6.2		13.1		6		90				<0.2		1.1	
IM6	Cloudy	Moderate	10:49	7.4	Surface	1.0	0.6	246	26.4	26.4	8.2	8.2	29.1	29.2	90.9	90.7	6.2	6.2	5.5	7.9	4	5	86	88	821079	805804	<0.2	<0.2	1.1	1.2
						1.0	0.6	267	26.4		8.2		29.2		90.5		6.2		5.8		4		86				<0.2		1.2	
					Middle	3.7	0.6	251	26.3	26.3	8.2	8.2	29.5	29.5	90.2	90.2	6.2		7.3		6		87				<0.2		1.2	
						3.7	0.7	260	26.3		8.2		29.5		90.2		6.2		7.7		6		89				<0.2		1.2	
					Bottom	6.4	0.4	238	26.3	26.3	8.2	8.2	29.6	29.6	92.4	92.5	6.3	6.3	10.3		5		90				<0.2		1.2	
						6.4	0.5	260	26.3		8.2		29.6		92.6		6.3		10.8		5		91				<0.2		1.3	
IM7	Cloudy	Moderate	10:55	7.6	Surface	1.0	0.6	248	26.4	26.4	8.2	8.2	28.9	28.9	92.0	91.9	6.3	6.2	4.5	7.2	4	4	87	88	821369	806856	<0.2	<0.2	1.2	1.1
						1.0	0.6	266	26.4		8.2		28.9		91.8		6.3		4.7		4		86				<0.2		1.1	
					Middle	3.8	0.6	256	26.4	26.4	8.2	8.2	29.4	29.4	89.1	89.1	6.1		6.6		4		89				<0.2		1.1	
						3.8	0.6	277	26.4		8.2		29.4		89.1		6.1		6.6		4		88				<0.2		1.1	
					Bottom	6.6	0.4	260	26.4	26.4	8.2	8.2	29.5	29.5	91.7	91.8	6.3	6.3	10.2		4		90				<0.2		1.1	
						6.6	0.4	277	26.4		8.2		29.5		91.8		6.3		10.5		4		90				<0.2		1.1	
IM8	Cloudy	Moderate	10:35	7.3	Surface	1.0	0.2	188	27.5	27.5	8.1	8.1	27.7	27.7	92.2	92.0	6.2	6.2	4.1	4.4	3	3	89	90	821810	808121	<0.2	<0.2	1.2	1.3
						1.0	0.2	200	27.5		8.1		27.7		91.7		6.2		4.1		3		89				<0.2		1.4	
					Middle	3.7	0.1	205	27.4	27.4	8.1	8.1	28.1	28.1	90.0	89.9	6.1		4.3		4		90				<0.2		1.3	
						3.7	0.1	218	27.4		8.1		28.1		89.8		6.1		4.4		3		90				<0.2		1.3	
					Bottom	6.3	0.1	247	27.5	27.5	8.1	8.1	28.4	28.4	90.3	90.6	6.1	6.1	4.8		3		91				<0.2		1.2	
						6.3	0.1	259	27.5		8.1		28.4		90.8		6.1		4.7		4		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 24 October 19 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	10:27	7.2	Surface	1.0	0.3	136	27.5	27.5	8.1	8.1	27.8	27.8	91.7	91.5	6.2	6.1	4.2	4.7	4	3	88	90	822107	808790	<0.2	<0.2	1.4	1.4
						1.0	0.3	145	27.5		8.1		27.8		91.3		6.2		4.3		3		88				<0.2		1.4	
					Middle	3.6	0.2	98	27.4	27.4	8.1	8.1	28.2	28.2	89.3	89.3	6.0		4.7		3		89				<0.2		1.4	
						3.6	0.2	98	27.4		8.1		28.3		89.3		6.0		4.8		3		90				<0.2		1.3	
					Bottom	6.2	0.1	69	27.4	27.4	8.1	8.1	28.6	28.6	89.6	89.8	6.0	6.1	5.2		3		91				<0.2		1.3	
						6.2	0.2	71	27.4		8.1		28.6		89.9		6.1		5.3		4		91				<0.2		1.3	
IM10	Cloudy	Moderate	10:18	8.1	Surface	1.0	0.5	116	27.5	27.5	8.1	8.1	27.4	27.5	93.1	93.1	6.3	6.1	4.0	6.1	3	4	88	90	822392	809784	<0.2	<0.2	1.3	1.3
						1.0	0.5	120	27.5		8.1		27.5		93.0		6.3		4.2		3		88				<0.2		1.3	
					Middle	4.1	0.5	121	27.4	27.4	8.1	8.1	28.3	28.4	87.8	87.7	5.9		5.9		5		89				<0.2		1.1	
						4.1	0.5	131	27.4		8.1		28.4		87.6		5.9		6.2		4		90				<0.2		1.2	
					Bottom	7.1	0.4	109	27.5	27.5	8.1	8.1	28.8	28.8	87.8	88.2	5.9	6.0	8.3		5		91				<0.2		1.3	
						7.1	0.4	111	27.5		8.1		28.8		88.5		6.0		8.1		5		91				<0.2		1.3	
IM11	Cloudy	Moderate	10:05	7.8	Surface	1.0	0.6	123	27.7	27.7	8.1	8.1	27.9	27.9	90.7	90.7	6.1	6.1	4.7	9.0	5	5	88	90	822080	811452	<0.2	<0.2	1.2	1.2
						1.0	0.7	123	27.7		8.1		27.9		90.7		6.1		4.8		4		88				<0.2		1.3	
					Middle	3.9	0.6	122	27.6	27.6	8.1	8.1	28.0	28.0	90.2	90.2	6.1		8.8		5		90				<0.2		1.3	
						3.9	0.6	131	27.6		8.1		28.0		90.2		6.1		9.9		5		90				<0.2		1.4	
					Bottom	6.8	0.5	117	27.6	27.6	8.1	8.1	28.1	28.1	91.5	91.6	6.2	6.2	13.0		5		91				<0.2		0.9	
						6.8	0.5	127	27.6		8.1		28.1		91.7		6.2		13.1		5		92				<0.2		1.2	
IM12	Cloudy	Moderate	09:58	9.3	Surface	1.0	0.5	115	27.6	27.6	8.1	8.1	28.0	28.0	91.8	91.8	6.2	6.1	5.2	10.1	5	6	89	90	821478	812067	<0.2	<0.2	0.9	1.1
						1.0	0.5	120	27.6		8.1		28.0		91.8		6.2		5.1		6		89				<0.2		1.1	
					Middle	4.7	0.4	110	27.5	27.5	8.1	8.1	28.5	28.5	87.3	87.3	5.9		11.7		5		90				<0.2		1.2	
						4.7	0.5	120	27.5		8.1		28.5		87.2		5.9		11.7		6		90				<0.2		1.2	
					Bottom	8.3	0.3	108	27.5	27.5	8.1	8.1	28.5	28.5	87.1	87.2	5.9	5.9	13.2		7		91				<0.2		1.2	
						8.3	0.3	117	27.5		8.1		28.5		87.2		5.9		13.6		7		91				<0.2		1.1	
SR1A	Cloudy	Calm	09:40	5.1	Surface	1.0	-	-	27.4	27.4	8.1	8.1	28.3	28.3	89.7	89.7	6.1	6.1	4.8	4.7	5	5	-	-	819982	812658	-	-	-	-
						1.0	-	-	27.4		8.1		28.3		89.7		6.1		4.8		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	27.4	27.4	8.1	8.1	28.4	28.4	90.0	90.2	6.1	6.1	4.7		6		-				-		-	
						4.1	-	-	27.4		8.1		28.4		90.4		6.1		4.7		6		-				-		-	
SR2	Cloudy	Moderate	09:27	4.6	Surface	1.0	0.4	89	27.5	27.5	8.1	8.1	28.4	28.5	89.0	88.8	6.0	6.0	4.1	5.0	6	7	88	91	821447	814145	<0.2	<0.2	1.1	1.1
						1.0	0.4	94	27.5		8.1		28.5		88.6		6.0		4.3		7		88				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	90	27.6	27.6	8.1	8.1	29.0	29.0	89.0	89.4	6.0	6.0	5.7		7		93				<0.2		1.1	
						3.6	0.3	98	27.6		8.1		29.0		89.8		6.0		5.8		7		94				<0.2		1.0	
SR3	Cloudy	Moderate	10:41	8.3	Surface	1.0	0.3	184	27.7	27.7	8.1	8.1	27.4	27.5	94.8	94.8	6.4	6.2	4.1	5.6	4	4	-	-	822127	807578	-	-	-	-
						1.0	0.3	201	27.7		8.1		27.5		94.7		6.4		4.3		4		-				-		-	
					Middle	4.2	0.2	197	27.5	27.5	8.1	8.1	27.9	27.9	89.4	89.3	6.0		5.5		5		-				-		-	
						4.2	0.2	210	27.5		8.1		27.9		89.2		6.0		5.5		4		-				-		-	
					Bottom	7.3	0.1	276	27.4	27.4	8.1	8.1	29.2	29.2	88.3	88.5	5.9	6.0	7.3		4		-				-		-	
						7.3	0.1	277	27.4		8.1		29.2		88.6		6.0		7.3		3		-				-		-	
SR4A	Cloudy	Moderate	09:35	8.7	Surface	1.0	0.1	65	26.6	26.6	8.2	8.2	30.6	30.6	84.8	84.8	5.7	5.7	5.2	6.9	6	5	-	-	817211	807815	-	-	-	-
						1.0	0.1	60	26.6		8.2		30.6		84.8		5.7		5.1		6		-				-		-	
					Middle	4.4	0.1	63	26.7	26.7	8.2	8.2	31.3	31.3	82.9	82.9	5.6		6.8		6		-				-		-	
						4.4	0.1	65	26.6		8.2		31.2		82.9		5.6		6.8		5		-				-		-	
					Bottom	7.7	0.1	58	26.7	26.7	8.2	8.2	31.5	31.5	82.7	82.8	5.6	5.6	8.7		4		-				-		-	
						7.7	0.1	69	26.7		8.2		31.5		82.8		5.6		8.8		4		-				-		-	
SR5A	Cloudy	Moderate	09:20	4.9	Surface	1.0	0.0	68	26.4	26.4	8.2	8.2	30.1	30.1	88.5	88.5	6.0	6.0	6.2	6.9	5	5	-	-	816606	810713	-	-	-	-
						1.0	0.0	68	26.4		8.2		30.1		88.4		6.0		6.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	80	26.3	26.3	8.2	8.2	30.1	30.1	89.2	89.5	6.1	6.1	7.5		5		-				-		-	
						3.9	0.1	90	26.3		8.2		30.1		89.7		6.1		7.6		4		-				-		-	
SR6A	Cloudy	Moderate	08:50	4.8	Surface	1.0	0.0	32	26.2	26.2	8.1	8.1	29.7	29.7	88.1	88.1	6.0	6.0	3.0	4.4	5	5	-	-	817982	814719	-	-	-	-
						1.0	0.0	35	26.2		8.1		29.7		88.0		6.0		3.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	48	26.4	26.4	8.1	8.1	30.1	30.1	83.9	84.1	5.7	5.7	5.9		5		-				-		-	
						3.8	0.0	46	26.4		8.1		30.1		84.2		5.7		5.6		5		-				-		-	
SR7	Cloudy	Moderate	08:17	14.9	Surface	1.0	0.5	52	27.8	27.8	8.0	8.0	31.2	31.2	80.0	80.0	5.3	5.3	2.4	2.8	3	3	-	-	823656	823728	-	-	-	-
						1.0	0.5	56	27.8		8.0		31.2		80.0		5.3		2.4		2		-				-		-	
					Middle	7.5	0.3	22	27.9	27.9	8.0	8.0	31.6	31.6	79.2	79.2	5.2		2.8		3		-				-		-	
						7.5	0.3	23	27.9		8.0		31.7		79.1		5.2		2.8		3		-				-		-	
					Bottom	13.9	0.3	354	27.9	27.9	8.0	8.0	31.9	31.9	78.9	79.0	5.2	5.2	3.0		3		-				-		-	
						13.9	0.4	354	27.9		8.0		31.9		79.0		5.2		3.1		3		-				-		-	
SR8	Cloudy	Calm	09:50	4.4	Surface	1.0	-	-	27.3	27.3	8.0	8.0	28.2	28.2	91.1	91.0	6.2	6.2	8.4	10.5	7	6	-	-	820368	811604	-	-	-	-
						1.0	-	-	27.3		8.0		28.2		90.9		6.2		8.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	27.3	27.3	8.0	8.0	28.4	28.4	90.3	90.5	6.1	6.1	12.3		5		-				-		-	
						3.4	-	-	27.3		8.0		28.4		90.6		6.1		12.5		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 October 19 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	Calm	15:57	8.2	Surface	1.0	0.2	80	26.6	26.6	8.2	8.2	30.8	30.8	87.3	87.3	5.9	5.8	4.8	11.2	5	6	86	88	815596	804236	<0.2	<0.2	0.6	0.7
						1.0	0.2	81	26.6		8.2		30.9		87.2		5.9		4.9		6		87				<0.2		0.7	
					Middle	4.1	0.1	88	26.6	26.6	8.2	8.2	31.5	31.5	82.9	83.0	5.6		16.2		6		88				<0.2		0.7	
						4.1	0.1	93	26.6		8.2		31.5		83.0		5.6		16.4		6		88				<0.2		0.7	
					Bottom	7.2	0.1	22	26.6	26.6	8.2	8.2	31.5	31.5	83.8	83.9	5.6	5.7	12.8		5		90				<0.2		0.7	
						7.2	0.1	22	26.6		8.2		31.5		83.9		5.7		12.4		6		91				<0.2		0.7	
C2	Cloudy	Moderate	15:10	10.4	Surface	1.0	0.8	17	27.7	27.7	8.1	8.1	26.8	26.8	88.8	88.7	6.0	5.9	3.3	7.9	3	4	89	91	825659	806941	<0.2	<0.2	1.6	1.5
						1.0	0.9	18	27.7		8.1		26.8		88.5		6.0		3.3		3		90				<0.2		1.5	
					Middle	5.2	0.6	17	27.8	27.8	8.1	8.1	27.2	27.1	85.8	85.6	5.8		8.1		4		91				<0.2		1.8	
						5.2	0.6	18	27.8		8.1		27.1		85.4		5.8		8.4		3		91				<0.2		1.6	
					Bottom	9.4	0.3	19	28.1	28.1	8.1	8.1	29.7	29.7	79.8	79.9	5.3	5.3	12.3		4		91				<0.2		1.4	
						9.4	0.3	19	28.0		8.1		29.7		80.0		5.3		12.0		4		91				<0.2		1.3	
C3	Cloudy	Moderate	16:54	11.4	Surface	1.0	0.1	217	27.9	27.9	8.1	8.1	28.9	28.9	87.5	87.4	5.9	5.7	7.0	8.5	7	7	89	90	822121	817821	<0.2	<0.2	1.5	1.4
						1.0	0.1	222	27.8		8.1		28.9		87.3		5.8		7.2		7		89				<0.2		1.4	
					Middle	5.7	0.1	253	27.8	27.8	8.1	8.1	29.8	29.8	82.1	82.1	5.5		9.2		6		90				<0.2		1.4	
						5.7	0.1	274	27.8		8.1		29.9		82.0		5.5		9.3		6		90				<0.2		1.2	
					Bottom	10.4	0.1	221	27.8	27.8	8.1	8.1	29.9	29.9	83.2	83.4	5.5	5.6	9.2		7		92				<0.2		1.2	
						10.4	0.1	230	27.8		8.1		29.9		83.6		5.6		9.2		7		92				<0.2		1.4	
IM1	Cloudy	Moderate	15:38	5.2	Surface	1.0	0.0	49	26.6	26.6	8.2	8.2	30.8	30.8	86.7	86.7	5.9	5.9	6.8	7.9	11	12	86	88	817957	807148	<0.2	<0.2	0.7	0.7
						1.0	0.0	46	26.6		8.2		30.8		86.6		5.9		6.9		10		86				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	48	26.5	26.5	8.2	8.2	31.0	31.0	88.7	88.9	6.0	6.0	9.0		12		90				<0.2		0.8	
						4.2	0.1	43	26.5		8.2		31.0		89.0		6.0		8.9		14		91				<0.2		0.6	
IM2	Cloudy	Moderate	15:32	7.2	Surface	1.0	0.1	19	26.5	26.5	8.2	8.2	30.6	30.6	86.4	86.4	5.9	5.8	7.7	9.8	10	10	86	88	818181	806155	<0.2	<0.2	0.8	0.8
						1.0	0.1	21	26.5		8.2		30.6		86.3		5.8		7.7		10		86				<0.2		0.7	
					Middle	3.6	0.1	24	26.6	26.6	8.2	8.2	31.0	31.0	85.4	85.4	5.8		9.5		11		87				<0.2		0.8	
						3.6	0.1	26	26.6		8.2		31.0		85.3		5.8		10.0		10		89				<0.2		0.6	
					Bottom	6.2	0.1	25	26.5	26.5	8.2	8.2	31.2	31.2	85.4	85.6	5.8	5.8	11.9		10		90				<0.2		0.8	
						6.2	0.1	24	26.4		8.2		31.2		85.8		5.8		11.8		10		91				<0.2		0.8	
IM3	Cloudy	Moderate	15:26	7.4	Surface	1.0	0.3	22	26.5	26.5	8.2	8.2	30.4	30.4	88.2	88.2	6.0	6.0	8.5	9.4	8	10	86	88	818782	805611	<0.2	<0.2	0.8	0.7
						1.0	0.4	23	26.5		8.2		30.4		88.1		6.0		8.2		10		87				<0.2		0.7	
					Middle	3.7	0.3	25	26.5	26.5	8.2	8.2	30.5	30.5	87.4	87.4	5.9		8.2		12		88				<0.2		0.8	
						3.7	0.3	29	26.5		8.2		30.5		87.4		5.9		8.4		10		88				<0.2		0.7	
					Bottom	6.4	0.3	24	26.5	26.5	8.2	8.2	30.6	30.6	88.7	88.8	6.0	6.0	11.5		10		90				<0.2		0.7	
						6.4	0.3	26	26.4		8.2		30.6		88.8		6.0		11.4		10		90				<0.2		0.6	
IM4	Cloudy	Moderate	15:19	7.8	Surface	1.0	0.8	18	26.4	26.4	8.2	8.2	28.9	28.9	93.8	93.8	6.4	6.4	9.8	10.6	12	11	86	88	819737	804597	<0.2	<0.2	0.9	0.9
						1.0	0.8	20	26.4		8.2		28.9		93.8		6.4		9.8		12		87				<0.2		0.9	
					Middle	3.9	0.7	19	26.4	26.4	8.2	8.2	28.9	28.9	93.9	93.9	6.4		10.8		11		88				<0.2		0.8	
						3.9	0.8	21	26.4		8.2		28.9		93.9		6.4		10.7		12		87				<0.2		1.0	
					Bottom	6.8	0.6	21	26.4	26.4	8.2	8.2	28.9	28.9	94.2	94.2	6.4	6.5	11.2		11		90				<0.2		0.9	
						6.8	0.6	20	26.4		8.2		28.9		94.2		6.5		11.1		10		91				<0.2		1.0	
IM5	Cloudy	Moderate	15:14	7.4	Surface	1.0	0.7	22	26.4	26.4	8.2	8.2	29.3	29.3	91.0	91.0	6.2	6.1	6.4	8.9	7	8	86	88	820727	804861	<0.2	<0.2	1.0	1.0
						1.0	0.8	22	26.4		8.2		29.3		91.0		6.2		6.2		6		86				<0.2		1.0	
					Middle	3.7	0.7	21	26.3	26.3	8.2	8.2	29.8	29.8	88.2	88.2	6.0		8.3		8		89				<0.2		0.9	
						3.7	0.7	23	26.3		8.2		29.8		88.2		6.0		8.2		8		87				<0.2		1.0	
					Bottom	6.4	0.5	22	26.3	26.3	8.2	8.2	30.2	30.2	88.4	88.6	6.0	6.0	12.1		8		90				<0.2		0.8	
						6.4	0.6	23	26.3		8.2		30.2		88.7		6.0		12.2		9		91				<0.2		1.0	
IM6	Cloudy	Moderate	15:10	7.6	Surface	1.0	0.7	24	26.4	26.4	8.2	8.2	29.3	29.3	88.6	88.5	6.1	6.0	7.5	10.1	6	5	86	88	821064	805811	<0.2	<0.2	1.0	1.0
						1.0	0.8	24	26.4		8.2		29.4		88.4		6.0		7.2		5		86				<0.2		1.0	
					Middle	3.8	0.6	25	26.3	26.3	8.2	8.2	30.1	30.1	86.7	86.8	5.9		10.2		5		88				<0.2		1.0	
						3.8	0.6	26	26.3		8.2		30.2		86.8		5.9		10.3		6		87				<0.2		1.0	
					Bottom	6.6	0.5	24	26.3	26.3	8.2	8.2	30.2	30.2	90.3	90.5	6.2	6.2	12.5		5		90				<0.2		1.0	
						6.6	0.5	25	26.3		8.2		30.2		90.6		6.2		12.9		5		90				<0.2		0.9	
IM7	Cloudy	Moderate	15:06	7.4	Surface	1.0	0.6	28	26.4	26.4	8.2	8.2	28.9	28.9	91.1	90.9	6.2	6.2	4.6	6.9	4	5	86	88	821341	806858	<0.2	<0.2	1.1	1.0
						1.0	0.7	27	26.4		8.2		29.0		90.7		6.2		4.7		4		86				<0.2		1.0	
					Middle	3.7	0.6	25	26.4	26.4	8.2	8.2	29.5	29.5	88.7	88.8	6.1		7.2		5		88				<0.2		1.0	
						3.7	0.6	27	26.4		8.2		29.5		88.8		6.1		7.3		6		87				<0.2		1.0	
					Bottom	6.4	0.4	27	26.4	26.4	8.2	8.2	29.2	29.2	91.4	91.5	6.2	6.3	8.9		6		90				<0.2		1.0	
						6.4	0.4	28	26.4		8.2		29.2		91.6		6.3		8.6		5		90				<0.2		1.0	
IM8	Cloudy	Moderate	15:35	7.7	Surface	1.0	0.2	331	27.6	27.6	8.1	8.1	28.1	28.1	90.8	90.8	6.1	6.2	5.7	8.4	5	7	89	90	821824	808139	<0.2	<0.2	1.2	1.2
						1.0	0.2	347	27.6		8.1		28.1		90.8		6.1		5.7		6		90				<0.2		1.1	
					Middle	3.9	0.2	337	27.6	27.6	8.1	8.1	28.1	28.1	91.4	91.5	6.2		6.0		6		90				<0.2		1.3	
						3.9	0.2	349	27.6		8.1		28.1		91.6		6.2		6.0		8		90				<0.2		1.2	
					Bottom	6.7	0.2	338	27.5	27.5	8.1	8.1	28.2	28.2	92.4	92.6	6.2	6.3	13.4		8		91				<0.2		1.2	
						6.7	0.2	348	27.4		8.2		28.2		92.7		6.3		13.9		6		91				<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 24 October 19 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	15:42	7.1	Surface	1.0	0.2	315	27.9	27.9	8.1	8.1	28.1	28.1	89.5	89.5	6.0	6.1	4.9	6.3	5	6	89	89	822088	808809	<0.2	<0.2	1.4	1.3
						1.0	0.2	316	27.9		8.1		28.1		89.5		6.0		4.9		6		89				<0.2		1.4	
					Middle	3.6	0.1	313	27.8	27.8	8.1	8.1	28.2	28.2	90.1	90.2	6.1		5.5		5		86				<0.2		1.2	
						3.6	0.1	318	27.8		8.1		28.2		90.2		6.1		5.4		6		87				<0.2		1.3	
					Bottom	6.1	0.1	347	27.7	27.7	8.1	8.1	28.2	28.2	91.8	91.9	6.2	6.2	8.5		7		91				<0.2		1.3	
						6.1	0.1	344	27.7		8.1		28.2		92.0		6.2		8.5		6		91				<0.2		1.2	
IM10	Cloudy	Moderate	15:50	7.3	Surface	1.0	0.4	293	28.1	28.1	8.1	8.1	28.0	28.0	88.4	88.4	5.9	5.9	4.1	6.2	5	5	88	90	822407	809809	<0.2	<0.2	1.1	1.1
						1.0	0.4	289	28.0		8.1		28.0		88.3		5.9		4.3		4		89				<0.2		1.1	
					Middle	3.7	0.3	294	27.8	27.8	8.1	8.1	28.4	28.4	87.6	87.7	5.9		7.0		4		89				<0.2		1.1	
						3.7	0.3	293	27.8		8.1		28.4		87.7		5.9		7.1		5		90				<0.2		1.1	
					Bottom	6.3	0.2	304	27.7	27.7	8.1	8.1	28.4	28.4	89.8	89.9	6.0	6.0	7.4		4		92				<0.2		1.0	
						6.3	0.2	296	27.7		8.1		28.4		90.0		6.0		7.5		5		91				<0.2		1.0	
IM11	Cloudy	Moderate	16:00	8.1	Surface	1.0	0.4	281	27.8	27.8	8.1	8.1	28.3	28.3	88.6	88.6	5.9	5.9	6.9	7.9	4	5	89	90	822040	811444	<0.2	<0.2	1.1	1.1
						1.0	0.5	283	27.8		8.1		28.3		88.6		5.9		7.1		5		89				<0.2		1.1	
					Middle	4.1	0.4	278	27.8	27.8	8.1	8.1	28.3	28.3	88.4	88.4	5.9		7.7		5		90				<0.2		1.2	
						4.1	0.4	283	27.8		8.1		28.3		88.4		5.9		7.9		6		90				<0.2		1.1	
					Bottom	7.1	0.3	274	27.7	27.7	8.1	8.1	28.3	28.3	89.0	89.2	6.0	6.0	9.0		6		91				<0.2		1.2	
						7.1	0.3	276	27.7		8.1		28.3		89.3		6.0		9.0		5		91				<0.2		1.0	
IM12	Cloudy	Moderate	16:07	7.6	Surface	1.0	0.4	261	27.7	27.7	8.1	8.1	28.0	28.0	91.4	91.3	6.2	6.1	7.1	8.1	7	7	89	90	821475	812026	<0.2	<0.2	1.0	1.0
						1.0	0.4	253	27.6		8.1		28.0		91.1		6.1		7.2		7		90				<0.2		1.0	
					Middle	3.8	0.4	242	27.6	27.6	8.1	8.1	28.1	28.1	90.2	90.2	6.1		8.1		8		89				<0.2		0.9	
						3.8	0.4	248	27.6		8.1		28.1		90.1		6.1		8.3		7		89				<0.2		1.0	
					Bottom	6.6	0.2	230	27.5	27.5	8.1	8.1	28.2	28.2	91.7	91.9	6.2	6.2	8.9		7		91				<0.2		1.0	
						6.6	0.2	239	27.5		8.1		28.2		92.1		6.2		8.9		7		91				<0.2		1.0	
SR1A	Cloudy	Calm	16:26	5.3	Surface	1.0	-	-	27.7	27.7	8.1	8.1	28.3	28.3	89.1	89.0	6.0	6.0	12.2	14.8	8	8	-	-	819981	812665	-	-	-	-
						1.0	-	-	27.6		8.1		28.3		88.8		6.0		12.3		8		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	27.5	27.5	8.1	8.1	28.4	28.4	89.3	89.9	6.0	6.1	17.5		8		-				-		-	
						4.3	-	-	27.5		8.1		28.4		90.5		6.1		17.4		7		-				-		-	
SR2	Cloudy	Moderate	16:33	5.0	Surface	1.0	0.1	246	27.7	27.7	8.1	8.1	28.3	28.3	88.8	88.8	6.0	6.0	12.1	10.8	6	7	88	89	821474	814147	<0.2	<0.2	1.2	1.1
						1.0	0.1	247	27.7		8.1		28.3		88.8		6.0		12.0		7		88				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	227	27.8	27.8	8.1	8.1	28.2	28.2	90.2	90.4	6.1	6.1	9.5		6		90				<0.2		1.0	
						4.0	0.2	226	27.8		8.1		28.2		90.6		6.1		9.6		7		90				<0.2		0.9	
SR3	Cloudy	Moderate	15:27	8.3	Surface	1.0	0.5	18	27.8	27.8	8.1	8.1	27.9	27.9	89.8	89.7	6.0	6.0	5.4	8.1	6	6	-	-	822130	807567	-	-	-	-
						1.0	0.5	20	27.8		8.1		27.9		89.6		6.0		5.5		6		-				-		-	
					Middle	4.2	0.3	20	27.6	27.6	8.1	8.1	28.4	28.4	87.6	87.6	5.9		8.9		6		-				-		-	
						4.2	0.3	21	27.6		8.1		28.4		87.6		5.9		9.1		6		-				-		-	
					Bottom	7.3	0.2	24	27.5	27.5	8.1	8.1	28.6	28.6	88.7	89.0	6.0	6.0	9.8		5		-				-		-	
						7.3	0.2	27	27.5		8.1		28.6		89.2		6.0		9.9		5		-				-		-	
SR4A	Cloudy	Calm	16:22	8.3	Surface	1.0	0.6	241	26.7	26.7	8.2	8.2	30.5	30.5	87.4	87.3	5.9	5.9	7.5	10.0	6	6	-	-	817169	807820	-	-	-	-
						1.0	0.6	251	26.7		8.2		30.5		87.2		5.9		8.0		6		-				-		-	
					Middle	4.2	0.5	258	26.6	26.6	8.2	8.2	30.7	30.7	86.6	86.7	5.9		10.7		6		-				-		-	
						4.2	0.6	259	26.6		8.2		30.7		86.8		5.9		10.9		6		-				-		-	
					Bottom	7.3	0.5	254	26.6	26.6	8.2	8.2	30.8	30.8	87.6	87.7	5.9	5.9	11.3		6		-				-		-	
						7.3	0.5	274	26.6		8.2		30.8		87.8		5.9		11.5		6		-				-		-	
SR5A	Cloudy	Moderate	16:43	4.5	Surface	1.0	0.3	324	26.5	26.5	8.2	8.2	30.2	30.2	89.6	89.8	6.1	6.1	8.0	8.1	8	9	-	-	816570	810676	-	-	-	-
						1.0	0.4	332	26.5		8.2		30.2		89.9		6.1		8.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	287	26.5	26.5	8.2	8.2	30.2	30.2	92.7	92.9	6.3	6.3	8.3		9		-				-		-	
						3.5	0.2	287	26.5		8.2		30.2		93.0		6.3		8.1		9		-				-		-	
SR6A	Cloudy	Moderate	17:18	4.3	Surface	1.0	0.1	346	26.6	26.6	8.2	8.2	30.1	30.1	87.9	87.9	6.0	6.0	7.6	7.9	8	8	-	-	817986	814715	-	-	-	-
						1.0	0.1	352	26.6		8.2		30.1		87.8		6.0		7.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	291	26.5	26.5	8.2	8.2	30.2	30.2	87.8	87.8	6.0	6.0	8.1		8		-				-		-	
						3.3	0.1	288	26.5		8.2		30.2		87.8		6.0		8.1		8		-				-		-	
SR7	Cloudy	Moderate	17:22	14.6	Surface	1.0	0.2	279	27.7	27.7	8.1	8.1	29.1	29.1	88.8	88.8	5.9	5.7	4.1	5.4	4	5	-	-	823633	823741	-	-	-	-
						1.0	0.2	283	27.7		8.1		29.1		88.7		5.9		4.2		4		-				-		-	
					Middle	7.3	0.1	271	27.7	27.7	8.1	8.1	30.0	30.0	82.6	82.6	5.5		5.8		5		-				-		-	
						7.3	0.1	277	27.7		8.1		30.0		82.6		5.5		6.0		4		-				-		-	
					Bottom	13.6	0.0	265	27.8	27.8	8.1	8.1	30.1	30.1	83.2	83.4	5.5	5.6	6.1		7		-				-		-	
						13.6	0.0	267	27.8		8.1		30.1		83.5		5.6		6.1		6		-				-		-	
SR8	Cloudy	Calm	16:13	4.2	Surface	1.0	-	-	27.7	27.7	8.1	8.1	28.0	28.0	91.3	91.2	6.2	6.2	6.8	6.8	6	6	-	-	820373	811646	-	-	-	-
						1.0	-	-	27.7		8.1		28.0		91.1		6.1		6.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	27.6	27.7	8.1	8.1	28.0	28.0	91.4	91.6	6.2	6.2	6.9		6		-				-		-	
						3.2	-	-	27.7		8.1		28.0		91.7		6.2		6.8		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 26 October 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	11:15	7.3	Surface	1.0	0.5	216	26.5	26.5	8.1	8.1	31.6	31.6	91.2	91.2	6.1	6.1	6.1	8.1	6	6	83	87	815604	804244	<0.2	<0.2	1.0	0.9
						1.0	0.5	237	26.5		8.1		31.6		91.2		6.1		6.1				84				<0.2		0.8	
					Middle	3.7	0.4	200	26.5	26.5	8.1	8.1	32.4	32.4	90.6	90.7	6.1		7.3		7		87				<0.2		0.8	
						3.7	0.4	202	26.5		8.1		32.4		90.7		6.1		7.3		5		87				<0.2		1.0	
					Bottom	6.3	0.4	209	26.4	26.4	8.1	8.1	32.4	32.4	91.4	91.5	6.1	6.2	10.8		7		91				<0.2		0.9	
						6.3	0.4	228	26.4		8.1		32.5		91.6		6.2		10.8		6		92				<0.2		1.0	
C2	Cloudy	Moderate	12:20	12.6	Surface	1.0	0.9	177	27.8	27.8	8.1	8.1	27.5	27.5	88.9	88.9	6.0	5.9	6.9	8.3	8	8	85	88	825701	806921	<0.2	<0.2	1.4	1.4
						1.0	1.0	178	27.8		8.1		27.5		88.8		6.0		7.0		7		86				<0.2		1.4	
					Middle	6.3	0.9	165	27.5	27.5	8.1	8.1	28.2	28.2	86.6	86.6	5.8		9.2		8		87				<0.2		1.7	
						6.3	0.9	170	27.5		8.1		28.2		86.5		5.8		9.2		7		88				<0.2		1.6	
					Bottom	11.6	0.4	160	27.6	27.6	8.1	8.1	28.9	28.9	85.6	85.7	5.7	5.8	8.8		7		90				<0.2		1.1	
						11.6	0.4	171	27.6		8.1		28.9		85.8		5.8		8.8		8		89				<0.2		1.0	
C3	Cloudy	Moderate	10:20	11.3	Surface	1.0	0.4	80	27.6	27.6	8.1	8.1	30.2	30.2	85.8	85.5	5.7	5.7	3.5	4.2	4	5	85	88	822092	817812	<0.2	<0.2	1.1	1.2
						1.0	0.5	82	27.6		8.1		30.3		85.1		5.7		3.6		5		86				<0.2		1.0	
					Middle	5.7	0.4	98	27.6	27.6	8.0	8.0	30.5	30.5	83.8	83.8	5.6		4.0		5		88				<0.2		1.2	
						5.7	0.4	104	27.6		8.0		30.6		83.8		5.6		4.0		5		88				<0.2		1.2	
					Bottom	10.3	0.3	100	27.7	27.7	8.0	8.0	31.1	31.1	82.4	82.4	5.5	5.5	5.1		5		90				<0.2		1.2	
						10.3	0.4	101	27.7		8.0		31.1		82.4		5.5		5.1		7		91				<0.2		1.2	
IM1	Cloudy	Rough	11:40	4.9	Surface	1.0	0.2	180	26.5	26.5	8.1	8.1	31.4	31.4	89.0	89.0	6.0	6.0	8.1	8.4	9	9	84	86	817961	807136	<0.2	<0.2	0.9	0.9
						1.0	0.2	190	26.5		8.1		31.4		89.0		6.0		8.1		9		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	199	26.5	26.5	8.1	8.1	31.7	31.7	89.2	89.3	6.0	6.0	8.8		10		87				<0.2		0.9	
						3.9	0.2	204	26.5		8.1		31.7		89.3		6.0		8.8		10		88				<0.2		1.0	
IM2	Cloudy	Rough	11:45	7.8	Surface	1.0	0.2	188	26.5	26.5	8.1	8.1	31.0	31.0	90.2	90.2	6.1	6.1	4.3	6.3	8	8	85	87	818178	806158	<0.2	<0.2	1.0	1.0
						1.0	0.2	202	26.5		8.1		31.0		90.2		6.1		4.3		7		84				<0.2		1.0	
					Middle	3.9	0.3	179	26.4	26.4	8.1	8.1	31.9	32.0	90.3	90.4	6.1		6.3		8		87				<0.2		1.0	
						3.9	0.3	195	26.4		8.1		32.0		90.4		6.1		6.3		9		89				<0.2		1.0	
					Bottom	6.8	0.2	160	26.4	26.4	8.1	8.1	32.1	32.1	90.9	91.2	6.1	6.1	8.3		9		90				<0.2		1.0	
						6.8	0.2	171	26.4		8.2		32.1		91.4		6.1		8.3		8		89				<0.2		1.0	
IM3	Cloudy	Rough	11:51	7.9	Surface	1.0	0.3	143	26.5	26.5	8.1	8.1	31.3	31.3	91.0	91.0	6.1	6.1	6.7	8.5	9	9	86	88	818782	805572	<0.2	<0.2	0.6	0.9
						1.0	0.4	148	26.5		8.1		31.3		91.0		6.1		6.7		8		85				<0.2		0.8	
					Middle	4.0	0.3	132	26.4	26.4	8.1	8.1	31.9	31.9	89.7	89.7	6.0		8.4		8		88				<0.2		1.0	
						4.0	0.3	132	26.4		8.1		31.9		89.7		6.0		8.4		8		87				<0.2		0.9	
					Bottom	6.9	0.3	136	26.4	26.4	8.1	8.1	32.0	32.0	91.0	91.1	6.1	6.1	10.4		9		91				<0.2		1.1	
						6.9	0.3	140	26.4		8.1		31.9		91.1		6.1		10.4		9		90				<0.2		1.0	
IM4	Cloudy	Rough	12:00	8.1	Surface	1.0	0.8	199	26.5	26.5	8.1	8.1	31.1	31.1	90.0	90.0	6.1	6.1	4.6	5.8	9	9	85	88	819732	804620	<0.2	<0.2	1.0	1.1
						1.0	0.9	216	26.5		8.1		31.1		89.9		6.1		4.6		7		86				<0.2		1.0	
					Middle	4.1	0.8	191	26.5	26.5	8.1	8.1	31.6	31.6	89.8	89.8	6.1		5.3		9		88				<0.2		1.0	
						4.1	0.8	194	26.5		8.1		31.6		89.8		6.1		5.4		9		87				<0.2		1.1	
					Bottom	7.1	0.7	195	26.5	26.5	8.1	8.1	31.6	31.6	91.4	91.5	6.2	6.2	7.4		12		90				<0.2		1.1	
						7.1	0.8	209	26.5		8.1		31.6		91.6		6.2		7.5		11		89				<0.2		1.1	
IM5	Cloudy	Rough	12:08	8.4	Surface	1.0	0.8	200	26.6	26.6	8.1	8.1	31.4	31.4	90.8	90.8	6.1	6.1	6.4	8.2	10	10	86	88	820730	804851	<0.2	<0.2	1.0	1.1
						1.0	0.8	200	26.6		8.1		31.4		90.7		6.1		6.4		6		85				<0.2		1.1	
					Middle	4.2	0.7	212	26.5	26.5	8.1	8.1	31.8	31.8	88.6	88.6	6.0		7.6		10		87				<0.2		1.0	
						4.2	0.7	216	26.5		8.1		31.8		88.6		6.0		7.6		9		89				<0.2		0.9	
					Bottom	7.4	0.7	208	26.5	26.5	8.1	8.1	31.9	31.9	88.3	88.3	5.9	5.9	10.5		13		90				<0.2		1.1	
						7.4	0.7	209	26.5		8.1		31.9		88.3		5.9		10.5		12		89				<0.2		1.2	
IM6	Cloudy	Rough	12:17	8.0	Surface	1.0	0.7	232	26.8	26.8	8.1	8.1	29.8	29.8	91.3	91.3	6.2	6.2	4.1	5.8	7	7	83	87	821046	805842	<0.2	<0.2	1.2	1.2
						1.0	0.7	244	26.8		8.1		29.8		91.3		6.2		4.2		5		84				<0.2		1.2	
					Middle	4.0	0.6	229	26.6	26.6	8.1	8.1	30.9	30.9	90.8	90.8	6.1		5.2		7		88				<0.2		1.2	
						4.0	0.6	251	26.6		8.1		30.9		90.8		6.1		5.3		6		87				<0.2		1.3	
					Bottom	7.0	0.5	221	26.4	26.4	8.1	8.1	31.7	31.7	92.1	92.3	6.2	6.2	7.9		8		91				<0.2		1.2	
						7.0	0.5	226	26.4		8.1		31.7		92.5		6.2		7.9		7		91				<0.2		1.3	
IM7	Cloudy	Rough	12:25	8.3	Surface	1.0	0.6	246	26.8	26.8	8.1	8.1	29.5	29.5	92.0	92.0	6.2	6.2	6.2	8.0	6	6	83	88	821367	806822	<0.2	<0.2	1.3	1.2
						1.0	0.6	265	26.8		8.1		29.5		91.9		6.2		6.2		6		85				<0.2		1.3	
					Middle	4.2	0.5	241	26.5	26.5	8.1	8.1	29.7	29.7	89.7	89.8	6.1		7.5		6		87				<0.2		1.1	
						4.2	0.6	249	26.5		8.1		29.8		89.9		6.1		7.5		6		88				<0.2		1.2	
					Bottom	7.3	0.5	255	26.4	26.4	8.1	8.1	31.1	31.1	91.7	91.9	6.2	6.2	10.4		7		92				<0.2		1.0	
						7.3	0.5	280	26.4		8.1		31.1		92.0		6.2		10.4		6		92				<0.2		1.2	
IM8	Cloudy	Moderate	11:52	7.6	Surface	1.0	0.2	166	27.4	27.4	8.1	8.1	29.1	29.1	88.8	88.8	6.0	6.0	8.6	9.4	8	8	86	88	821833	808139	<0.2	<0.2	1.2	1.2
						1.0	0.2	170	27.4		8.1		29.1		88.8		6.0		8.5		8		86				<0.2		1.3	
					Middle	3.8	0.1	141	27.4	27.4	8.1	8.1	29.5	29.5	89.1	89.1	6.0		8.3		8		87				<0.2		1.2	
						3.8	0.1	143	27.4		8.1		29.5		89.1		6.0		8.3		8		88				<0.2		1.2	
					Bottom	6.6	0.1	87	27.4	27.4	8.1	8.1	30.1	30.1	89.9	90.0	6.0	6.0	11.2		8		91				<0.2		1.2	
						6.6	0.1	92	27.4		8.1		30.1		90.0		6.0		11.2		7		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 26 October 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:46	7.0	Surface	1.0	0.5	109	27.5	27.5	8.1	8.1	29.0	29.0	88.7	88.7	6.0	6.0	8.8	11.2	8	8	86	89	822093	808819	<0.2	<0.2	1.1	1.1
						1.0	0.5	113	27.5		8.1		29.0		88.7		6.0		8.8		7		87				<0.2		1.2	
					Middle	3.5	0.4	105	27.4	27.4	8.1	8.1	29.1	29.2	88.4	88.4	5.9		10.0		8		88				<0.2		1.3	
						3.5	0.4	111	27.4		8.1		29.2		88.4		5.9		10.0		7		87				<0.2		1.0	
					Bottom	6.0	0.4	81	27.4	27.4	8.1	8.1	29.7	29.7	88.8	88.9	6.0	6.0	14.8		9		91				<0.2		1.0	
						6.0	0.4	85	27.4		8.1		29.7		89.0		6.0		14.8		8		92				<0.2		1.1	
IM10	Cloudy	Moderate	11:39	7.7	Surface	1.0	0.7	109	27.6	27.6	8.1	8.1	29.0	29.0	88.3	88.2	5.9	5.9	6.9	7.7	6	8	86	88	822391	809804	<0.2	<0.2	1.2	1.1
						1.0	0.8	118	27.5		8.1		29.0		88.1		5.9		6.9		7		85				<0.2		1.2	
					Middle	3.9	0.7	112	27.5	27.5	8.1	8.1	29.4	29.4	87.6	87.6	5.9		7.6		8		87				<0.2		0.8	
						3.9	0.7	121	27.4		8.1		29.4		87.6		5.9		7.6		7		88				<0.2		0.9	
					Bottom	6.7	0.5	116	27.4	27.4	8.1	8.1	29.4	29.5	89.1	89.1	6.0	6.0	8.5		9		90				<0.2		1.2	
						6.7	0.5	125	27.4		8.1		29.5		89.1		6.0		8.6		10		91				<0.2		1.0	
IM11	Cloudy	Moderate	11:26	7.7	Surface	1.0	0.7	122	27.5	27.5	8.1	8.1	29.1	29.1	88.4	88.3	5.9	5.9	10.4	10.4	12	10	87	89	822059	811442	<0.2	<0.2	1.2	1.2
						1.0	0.8	123	27.5		8.1		29.1		88.2		5.9		10.1		11		86				<0.2		1.1	
					Middle	3.9	0.7	116	27.5	27.5	8.1	8.1	29.5	29.5	87.0	87.1	5.8		10.3		10		88				<0.2		1.1	
						3.9	0.8	117	27.5		8.1		29.5		87.1		5.8		10.3		11		89				<0.2		1.2	
					Bottom	6.7	0.6	123	27.5	27.5	8.1	8.1	29.5	29.5	88.7	88.8	5.9	6.0	10.5		9		90				<0.2		1.2	
						6.7	0.6	127	27.5		8.1		29.5		88.8		6.0		10.5		8		91				<0.2		1.1	
IM12	Cloudy	Moderate	11:18	8.5	Surface	1.0	0.6	115	27.6	27.6	8.1	8.1	28.7	28.7	91.1	91.0	6.1	6.0	5.9	10.0	8	10	86	88	821472	812042	<0.2	<0.2	1.3	1.3
						1.0	0.6	125	27.6		8.1		28.8		90.9		6.1		5.9		7		87				<0.2		1.4	
					Middle	4.3	0.5	109	27.4	27.4	8.1	8.1	29.2	29.2	88.4	88.4	5.9		10.8		10		87				<0.2		1.4	
						4.3	0.5	112	27.4		8.1		29.2		88.4		5.9		10.8		12		88				<0.2		1.2	
					Bottom	7.5	0.4	106	27.4	27.4	8.1	8.1	29.3	29.3	88.3	88.4	5.9	5.9	13.3		13		90				<0.2		1.1	
						7.5	0.4	116	27.4		8.1		29.3		88.5		5.9		13.3		11		92				<0.2		1.2	
SR1A	Cloudy	Moderate	10:59	5.7	Surface	1.0	-	-	27.5	27.5	8.1	8.1	29.3	29.3	85.6	85.5	5.7	5.7	7.4	8.9	6	8	-	-	819980	812661	-	-	-	-
						1.0	-	-	27.5		8.1		29.3		85.4		5.7		7.8		5		-				-		-	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	-	-	27.5	27.5	8.1	8.1	29.4	29.4	85.1	85.2	5.7	5.7	10.1		10		-				-		-	
						4.7	-	-	27.5		8.1		29.4		85.2		5.7		10.3		9		-				-		-	
SR2	Cloudy	Moderate	10:45	4.3	Surface	1.0	0.7	109	27.6	27.6	8.1	8.1	29.7	29.6	85.1	85.3	5.7	5.7	9.9	10.6	8	9	87	89	821481	814152	<0.2	<0.2	1.2	1.1
						1.0	0.7	119	27.6		8.1		29.6		85.5		5.7		9.6		9		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.4	117	27.6	27.6	8.1	8.1	29.7	29.7	87.4	87.7	5.8	5.9	11.4		8		90				<0.2		1.1	
						3.3	0.4	119	27.6		8.1		29.7		88.0		5.9		11.5		9		91				<0.2		1.0	
SR3	Cloudy	Moderate	11:57	8.6	Surface	1.0	0.2	176	27.7	27.7	8.1	8.1	28.6	28.6	90.4	90.3	6.1	6.0	7.1	9.5	7	8	-	-	822167	807553	-	-	-	-
						1.0	0.2	189	27.7		8.1		28.6		90.2		6.1		6.3		8		-				-		-	
					Middle	4.3	0.2	189	27.5	27.5	8.1	8.1	29.5	29.5	87.7	87.7	5.9		10.0		8		-				-		-	
						4.3	0.2	191	27.5		8.1		29.6		87.7		5.9		10.0		9		-				-		-	
					Bottom	7.6	0.1	192	27.5	27.5	8.1	8.1	30.1	30.1	88.1	88.2	5.9	5.9	12.2		8		-				-		-	
						7.6	0.1	199	27.5		8.1		30.1		88.2		5.9		12.3		8		-				-		-	
SR4A	Cloudy	Moderate	10:47	9.8	Surface	1.0	0.2	72	26.5	26.5	8.1	8.1	31.7	31.7	90.2	90.2	6.1	6.1	7.6	9.5	9	10	-	-	817208	807827	-	-	-	-
						1.0	0.2	73	26.5		8.1		31.7		90.2		6.1		7.7		10		-				-		-	
					Middle	4.9	0.2	88	26.4	26.4	8.1	8.1	31.8	31.8	89.4	89.4	6.0		8.7		10		-				-		-	
						4.9	0.2	90	26.4		8.1		31.8		89.4		6.0		8.7		10		-				-		-	
					Bottom	8.8	0.1	70	26.4	26.4	8.1	8.1	32.1	32.1	89.3	89.4	6.0	6.0	12.3		11		-				-		-	
						8.8	0.1	76	26.4		8.1		32.1		89.4		6.0		12.3		10		-				-		-	
SR5A	Cloudy	Moderate	10:32	4.2	Surface	1.0	0.3	98	26.3	26.3	8.1	8.1	30.2	30.2	89.3	89.4	6.1	6.1	8.7	9.0	10	9	-	-	816584	810694	-	-	-	-
						1.0	0.3	104	26.3		8.1		30.2		89.5		6.1		8.7		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	109	26.3	26.3	8.1	8.1	30.5	30.6	92.9	93.1	6.3	6.3	9.3		8		-				-		-	
						3.2	0.2	112	26.3		8.1		30.6		93.3		6.3		9.4		8		-				-		-	
SR6A	Cloudy	Moderate	10:06	4.4	Surface	1.0	0.1	209	26.4	26.4	8.0	8.0	30.1	30.1	89.1	89.1	6.1	6.1	4.7	6.2	6	8	-	-	817966	814743	-	-	-	-
						1.0	0.1	216	26.4		8.0		30.1		89.1		6.1		4.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	156	26.3	26.3	7.9	7.9	30.1	30.1	88.0	88.1	6.0	6.0	7.6		9		-				-		-	
						3.4	0.0	170	26.3		7.9		30.1		88.1		6.0		7.6		9		-				-		-	
SR7	Cloudy	Moderate	09:41	16.1	Surface	1.0	0.4	52	27.7	27.7	8.0	8.0	31.4	31.4	81.4	81.4	5.4	5.4	5.3	5.1	4	5	-	-	823618	823757	-	-	-	-
						1.0	0.4	56	27.7		8.0		31.4		81.4		5.4		5.4		5		-				-		-	
					Middle	8.1	0.4	33	27.7	27.7	8.0	8.0	31.5	31.5	81.4	81.4	5.4		4.9		5		-				-		-	
						8.1	0.4	36	27.7		8.0		31.5		81.4		5.4		4.9		6		-				-		-	
					Bottom	15.1	0.5	21	27.7	27.7	8.0	8.0	31.5	31.5	81.6	81.7	5.4	5.4	4.9		5		-				-		-	
						15.1	0.5	22	27.7		8.0		31.5		81.7		5.4		4.9		6		-				-		-	
SR8	Cloudy	Moderate	11:10	5.8	Surface	1.0	-	-	27.5	27.5	8.1	8.1	29.2	29.2	87.2	87.2	5.9	5.9	14.2	15.1	19	18	-	-	820369	811637	-	-	-	-
						1.0	-	-	27.5		8.1		29.2		87.2		5.8		14.2		19		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	-	-	27.5	27.5	8.1	8.1	29.2	29.2	87.9	88.2	5.9	5.9	16.0		17		-				-		-	
						4.8	-	-	27.5		8.1		29.2		88.4		5.9		16.0		16		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 October 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	17:17	7.5	Surface	1.0	0.3	19	26.7	26.7	8.1	8.1	31.4	31.4	90.8	90.8	6.1	6.1	7.3	6.6	5	8	83	88	815615	804250	<0.2	<0.2	0.8	0.9
						1.0	0.3	20	26.6		8.1		31.4		90.8		6.1		7.3		4		84				<0.2		0.9	
					Middle	3.8	0.2	19	26.5	26.5	8.1	8.1	31.9	31.9	89.6	89.6	6.0		5.9		8		88				<0.2		0.9	
						3.8	0.2	19	26.5		8.1		32.0		89.6		6.0		5.9		8		88				<0.2		0.9	
					Bottom	6.5	0.2	19	26.5	26.5	8.1	8.1	32.2	32.2	88.9	88.8	6.0	6.0	6.4		11		91				<0.2		1.0	
						6.5	0.2	20	26.5		8.1		32.2		88.7		6.0		6.5		11		92				<0.2		0.9	
C2	Cloudy	Moderate	16:11	11.8	Surface	1.0	0.9	17	27.8	27.8	8.1	8.1	27.5	27.5	89.2	89.2	6.0	5.9	6.7	8.2	6	7	86	88	825667	806941	<0.2	<0.2	1.4	1.4
						1.0	1.0	17	27.8		8.1		27.5		89.2		6.0		6.7		7		86				<0.2		1.4	
					Middle	5.9	0.8	16	27.5	27.5	8.1	8.1	28.2	28.2	86.6	86.6	5.8		9.3		7		88				<0.2		1.5	
						5.9	0.9	18	27.5		8.1		28.2		86.5		5.8		9.4		6		87				<0.2		1.4	
					Bottom	10.8	0.4	16	27.5	27.5	8.1	8.1	28.7	28.7	86.2	86.4	5.8	5.8	8.7		6		90				<0.2		1.4	
						10.8	0.5	17	27.5		8.1		28.7		86.5		5.8		8.7		7		90				<0.2		1.3	
C3	Cloudy	Moderate	18:03	12.3	Surface	1.0	0.6	210	27.8	27.8	8.2	8.2	29.9	29.9	86.4	86.4	5.8	5.7	11.5	10.6	16	17	86	88	822123	817825	<0.2	<0.2	1.0	1.0
						1.0	0.7	209	27.8		8.2		29.9		86.4		5.7		11.5		15		87				<0.2		1.0	
					Middle	6.2	0.4	214	27.8	27.8	8.2	8.2	29.9	29.9	86.2	86.2	5.7		9.5		17		88				<0.2		1.0	
						6.2	0.4	211	27.8		8.2		29.9		86.2		5.7		9.5		18		88				<0.2		1.0	
					Bottom	11.3	0.1	281	27.7	27.7	8.2	8.2	30.0	30.0	86.9	87.0	5.8	5.8	10.9		16		91				<0.2		1.0	
						11.3	0.1	288	27.7		8.2		30.0		87.1		5.8		10.9		17		90				<0.2		1.0	
IM1	Fine	Rough	16:52	5.6	Surface	1.0	0.1	68	26.6	26.6	8.1	8.1	31.2	31.2	89.8	89.8	6.1	6.1	8.0	9.9	11	12	83	89	817930	807144	<0.2	<0.2	1.3	1.1
						1.0	0.1	76	26.6		8.1		31.2		89.8		6.1		8.0		11		88				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.0	46	26.4	26.4	8.1	8.1	32.2	32.2	89.2	89.3	6.0	6.0	11.8		12		92				<0.2		1.1	
						4.6	0.0	44	26.4		8.1		32.2		89.3		6.0		11.8		14		92				<0.2		1.0	
IM2	Fine	Rough	16:46	7.9	Surface	1.0	0.1	70	26.6	26.6	8.1	8.1	31.4	31.4	89.7	89.8	6.0	6.0	7.4	9.0	22	20	82	87	818173	806172	<0.2	<0.2	1.1	1.0
						1.0	0.1	77	26.6		8.1		31.4		89.8		6.0		7.4		20		83				<0.2		0.9	
					Middle	4.0	0.1	72	26.6	26.6	8.1	8.1	31.4	31.4	89.6	89.6	6.0		8.4		21		88				<0.2		1.0	
						4.0	0.1	73	26.6		8.1		31.4		89.6		6.0		8.5		21		88				<0.2		1.0	
					Bottom	6.9	0.1	53	26.4	26.4	8.1	8.1	32.0	32.0	88.4	88.4	5.9	6.0	11.1		19		91				<0.2		1.1	
						6.9	0.1	55	26.4		8.1		32.0		88.4		6.0		11.2		19		92				<0.2		1.1	
IM3	Fine	Rough	16:40	8.5	Surface	1.0	0.3	43	26.5	26.5	8.1	8.1	31.3	31.3	88.8	88.8	6.0	6.0	4.8	7.6	21	20	81	87	818773	805601	<0.2	<0.2	1.2	1.2
						1.0	0.3	49	26.5		8.1		31.3		88.8		6.0		4.8		21		82				<0.2		1.2	
					Middle	4.3	0.2	55	26.5	26.5	8.1	8.1	31.4	31.4	89.6	89.7	6.0		8.4		20		88				<0.2		1.2	
						4.3	0.2	56	26.5		8.1		31.4		89.7		6.1		8.4		21		89				<0.2		1.2	
					Bottom	7.5	0.2	43	26.5	26.5	8.1	8.1	31.4	31.4	90.2	90.3	6.1	6.1	9.5		17		91				<0.2		1.1	
						7.5	0.2	41	26.5		8.1		31.4		90.3		6.1		9.6		17		92				<0.2		1.2	
IM4	Fine	Rough	16:33	8.2	Surface	1.0	1.1	38	26.5	26.5	8.1	8.1	31.2	31.2	89.7	89.7	6.1	6.1	4.3	5.3	12	15	82	86	819743	804593	<0.2	<0.2	1.2	1.1
						1.0	1.2	38	26.5		8.1		31.2		89.7		6.1		4.4		12		81				<0.2		1.1	
					Middle	4.1	0.9	39	26.5	26.5	8.1	8.1	31.2	31.2	89.9	90.0	6.1		4.9		17		88				<0.2		0.9	
						4.1	1.0	38	26.5		8.1		31.2		90.0		6.1		5.0		16		88				<0.2		1.1	
					Bottom	7.2	0.9	38	26.5	26.5	8.1	8.1	31.3	31.3	91.9	92.0	6.2	6.2	6.7		17		88				<0.2		0.9	
						7.2	1.0	39	26.5		8.1		31.3		92.0		6.2		6.8		18		89				<0.2		1.1	
IM5	Fine	Rough	16:21	8.0	Surface	1.0	1.0	21	26.5	26.5	8.1	8.1	31.3	31.3	90.6	90.6	6.1	6.2	6.7	8.3	14	18	84	87	820756	804889	<0.2	<0.2	1.1	1.1
						1.0	1.1	22	26.5		8.1		31.3		90.6		6.1		6.7		14		83				<0.2		1.0	
					Middle	4.0	0.9	22	26.4	26.4	8.1	8.1	31.4	31.4	91.2	91.4	6.2		8.3		18		89				<0.2		1.0	
						4.0	1.0	23	26.4		8.1		31.5		91.6		6.2		8.2		19		89				<0.2		1.2	
					Bottom	7.0	0.9	21	26.3	26.3	8.2	8.2	31.6	31.6	91.6	92.1	6.2	6.3	10.1		21		87				<0.2		1.1	
						7.0	0.9	23	26.3		8.2		31.7		92.6		6.3		10.1		20		87				<0.2		1.1	
IM6	Fine	Rough	16:15	8.4	Surface	1.0	0.9	24	26.7	26.7	8.1	8.1	29.6	29.6	91.2	91.2	6.2	6.2	6.4	8.4	9	11	84	86	821047	805836	<0.2	<0.2	1.3	1.2
						1.0	0.9	24	26.7		8.1		29.6		91.2		6.2		6.4		10		83				<0.2		1.2	
					Middle	4.2	0.8	23	26.5	26.5	8.1	8.1	30.6	30.6	90.6	90.6	6.1		8.8		10		89				<0.2		1.2	
						4.2	0.8	24	26.5		8.1		30.7		90.6		6.1		8.8		10		89				<0.2		1.2	
					Bottom	7.4	0.7	0	26.5	26.5	8.1	8.1	31.3	31.3	91.5	91.6	6.2	6.2	10.1		12		87				<0.2		1.2	
						7.4	0.7	0	26.5		8.1		31.3		91.6		6.2		10.1		13		86				<0.2		1.3	
IM7	Fine	Rough	16:10	8.3	Surface	1.0	0.6	23	26.7	26.7	8.1	8.1	29.5	29.5	90.6	90.5	6.2	6.1	6.6	8.1	8	10	83	87	821364	806838	<0.2	<0.2	1.1	1.2
						1.0	0.6	24	26.7		8.1		29.5		90.4		6.1		6.6		8		85				<0.2		1.1	
					Middle	4.2	0.5	22	26.5	26.5	8.1	8.1	30.5	30.5	87.7	87.7	6.0		9.0		8		88				<0.2		1.2	
						4.2	0.6	24	26.5		8.1		30.4		87.7		6.0		9.1		9		88				<0.2		1.1	
					Bottom	7.3	0.5	26	26.4	26.4	8.1	8.1	31.3	31.3	87.8	87.8	5.9	5.9	8.7		12		89				<0.2		1.2	
						7.3	0.5	27	26.4		8.1		31.3		87.8		5.9		8.7		12		88				<0.2		1.3	
IM8	Cloudy	Moderate	16:35	7.7	Surface	1.0	0.4	355	27.7	27.7	8.1	8.1	28.6	28.7	88.9	88.8	6.0	6.0	8.5	10.7	9	11	86	88	821836	808137	<0.2	<0.2	1.3	1.3
						1.0	0.4	353	27.7		8.1		28.7		88.7		6.0		8.8		9		86				<0.2		1.4	
					Middle	3.9	0.3	340	27.5	27.5	8.2	8.2	29.3	29.3	87.8	87.8	5.9		10.6		11		87				<0.2		1.2	
						3.9	0.3	348	27.5		8.2		29.3		87.8		5.9		10.7		12		89				<0.2		1.2	
					Bottom	6.7	0.3	328	27.5	27.5	8.2	8.2	29.6	29.6	87.8	88.1	5.9	5.9	12.8		11		90				<0.2		1.2	
						6.7	0.3	323	27.5		8.2		29.6		88.3		5.9		12.8		12		91				<0.2		1.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 October 19 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	16:42	7.5	Surface	1.0	0.4	312	27.9	27.9	8.2	8.2	28.4	28.4	90.4	90.3	6.1	6.0	8.5	11.5	9	11	86	88	822073	808820	<0.2	<0.2	1.4	1.3
						1.0	0.4	314	27.8		8.2		28.4		90.2		6.0		8.9		9		87				<0.2		1.3	
					Middle	3.8	0.5	325	27.6	27.6	8.2	8.2	29.0	29.0	88.6	88.7	5.9		12.9		11		87				<0.2		1.4	
						3.8	0.5	304	27.6		8.2		29.0		88.7		6.0		12.9		11		88				<0.2		1.3	
					Bottom	6.5	0.4	291	27.5	27.5	8.2	8.2	29.6	29.6	89.3	89.4	6.0	6.0	12.8		12		90				<0.2		1.3	
						6.5	0.4	282	27.5		8.2		29.5		89.4		6.0		12.8		11		90				<0.2		1.2	
IM10	Cloudy	Moderate	16:49	7.6	Surface	1.0	0.8	283	27.7	27.7	8.2	8.2	28.4	28.4	89.5	89.4	6.0	6.0	10.1	10.8	8	8	86	88	822402	809797	<0.2	<0.2	1.3	1.4
						1.0	0.9	283	27.7		8.2		28.5		89.2		6.0		10.7		7		86				<0.2		1.4	
					Middle	3.8	0.7	291	27.6	27.6	8.2	8.2	29.1	29.1	88.3	88.3	5.9		10.8		8		87				<0.2		1.5	
						3.8	0.8	290	27.6		8.2		29.1		88.3		5.9		10.8		8		88				<0.2		1.4	
					Bottom	6.6	0.6	269	27.5	27.5	8.2	8.2	29.2	29.2	89.2	89.3	6.0	6.0	11.1		8		90				<0.2		1.3	
						6.6	0.7	263	27.5		8.2		29.2		89.3		6.0		11.1		8		90				<0.2		1.5	
IM11	Cloudy	Moderate	16:58	7.8	Surface	1.0	0.8	251	27.9	27.9	8.2	8.2	28.1	28.2	91.4	91.3	6.1	6.1	7.6	12.1	6	7	86	88	822069	811457	<0.2	<0.2	1.3	1.3
						1.0	0.8	260	27.9		8.2		28.2		91.2		6.1		7.6		7		86				<0.2		1.3	
					Middle	3.9	0.7	269	27.7	27.7	8.2	8.2	28.6	28.6	90.1	90.1	6.1		13.2		6		88				<0.2		1.3	
						3.9	0.7	258	27.7		8.2		28.6		90.1		6.1		13.3		7		89				<0.2		1.2	
					Bottom	6.8	0.5	249	27.7	27.7	8.2	8.2	28.6	28.6	90.6	90.7	6.1	6.1	15.6		7		90				<0.2		1.4	
						6.8	0.5	245	27.7		8.2		28.6		90.8		6.1		15.3		6		91				<0.2		1.4	
IM12	Cloudy	Moderate	17:04	8.6	Surface	1.0	0.6	244	27.6	27.6	8.2	8.2	28.9	28.9	89.6	89.5	6.0	6.0	12.6	12.9	12	12	86	88	821445	812066	<0.2	<0.2	1.3	1.3
						1.0	0.6	246	27.6		8.2		28.9		89.4		6.0		12.6		13		87				<0.2		1.3	
					Middle	4.3	0.5	230	27.6	27.6	8.2	8.2	29.2	29.2	89.2	89.3	6.0		10.2		12		88				<0.2		1.3	
						4.3	0.5	234	27.6		8.2		29.2		89.3		6.0		10.2		12		87				<0.2		1.4	
					Bottom	7.6	0.4	229	27.6	27.6	8.2	8.2	29.2	29.2	90.1	90.2	6.0	6.0	15.9		12		90				<0.2		1.2	
						7.6	0.5	218	27.6		8.2		29.2		90.2		6.0		15.9		11		91				<0.2		1.2	
SR1A	Cloudy	Moderate	17:26	4.9	Surface	1.0	-	-	27.7	27.7	8.2	8.2	29.2	29.2	89.0	89.0	6.0	6.0	7.1	8.3	12	15	-	-	819973	812661	-	-	-	-
						1.0	-	-	27.7		8.2		29.2		89.0		6.0		7.1		11		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	27.7	27.7	8.2	8.2	29.2	29.2	89.8	89.9	6.0	6.0	9.5		19		-				-		-	
						3.9	-	-	27.7		8.2		29.2		89.9		6.0		9.5		19		-				-		-	
SR2	Cloudy	Moderate	17:40	4.6	Surface	1.0	0.5	229	27.7	27.7	8.2	8.2	29.2	29.2	88.3	88.3	5.9	5.9	8.3	9.3	18	21	86	88	821444	814178	<0.2	<0.2	1.1	1.0
						1.0	0.6	225	27.7		8.2		29.2		88.3		5.9		8.3		19		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.4	249	27.7	27.7	8.2	8.2	29.2	29.2	88.4	88.4	5.9	5.9	10.3		23		89				<0.2		1.0	
						3.6	0.4	238	27.7		8.2		29.2		88.4		5.9		10.3		23		90				<0.2		1.0	
SR3	Cloudy	Moderate	16:29	8.2	Surface	1.0	0.5	18	27.8	27.8	8.1	8.1	28.7	28.7	90.1	90.1	6.0	6.0	7.6	9.7	8	8	-	-	822169	807563	-	-	-	-
						1.0	0.5	18	27.7		8.1		28.7		90.0		6.0		7.6		8		-				-		-	
					Middle	4.1	0.3	18	27.6	27.6	8.2	8.2	28.9	28.9	89.6	89.6	6.0		8.7		8		-				-		-	
						4.1	0.4	20	27.6		8.2		28.9		89.6		6.0		8.7		8		-				-		-	
					Bottom	7.2	0.2	20	27.5	27.5	8.2	8.2	29.4	29.4	89.5	89.6	6.0	6.0	13.0		7		-				-		-	
						7.2	0.2	20	27.5		8.2		29.4		89.6		6.0		13.0		8		-				-		-	
SR4A	Fine	Rough	17:44	10.0	Surface	1.0	0.9	260	26.9	26.9	8.1	8.1	30.9	30.9	88.9	88.9	6.0	6.0	8.4	11.4	6	7	-	-	817178	807790	-	-	-	-
						1.0	1.0	272	26.9		8.1		30.9		88.9		6.0		8.4		7		-				-		-	
					Middle	5.0	0.9	255	26.5	26.5	8.1	8.1	31.8	31.8	89.1	89.1	6.0		12.2		6		-				-		-	
						5.0	0.9	259	26.5		8.1		31.8		89.1		6.0		12.1		7		-				-		-	
					Bottom	9.0	0.7	258	26.4	26.4	8.1	8.1	32.0	32.0	89.9	90.1	6.0	6.1	13.7		8		-				-		-	
						9.0	0.7	278	26.4		8.1		32.0		90.3		6.1		13.7		8		-				-		-	
SR5A	Fine	Moderate	18:02	4.8	Surface	1.0	0.4	301	26.7	26.7	8.1	8.1	30.7	30.7	91.4	91.4	6.2	6.2	6.1	7.6	7	8	-	-	816616	810709	-	-	-	-
						1.0	0.4	320	26.7		8.1		30.7		91.3		6.2		6.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.4	300	26.5	26.5	8.1	8.1	31.1	31.1	89.9	90.0	6.1	6.1	9.0		8		-				-		-	
						3.8	0.4	301	26.5		8.1		31.1		90.0		6.1		9.0		9		-				-		-	
SR6A	Fine	Moderate	18:54	4.6	Surface	1.0	0.0	306	26.6	26.6	8.1	8.1	30.0	30.0	90.2	90.2	6.1	6.1	5.6	6.8	16	18	-	-	817986	814749	-	-	-	-
						1.0	0.0	314	26.6		8.1		30.0		90.2		6.1		5.7		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	277	26.6	26.6	8.1	8.1	30.0	30.0	89.9	90.0	6.1	6.1	8.0		19		-				-		-	
						3.6	0.0	290	26.6		8.1		30.0		90.1		6.1		8.0		20		-				-		-	
SR7	Cloudy	Moderate	18:38	16.2	Surface	1.0	0.9	199	27.7	27.7	8.1	8.1	30.0	30.0	84.0	84.0	5.6	5.6	8.6	8.2	12	12	-	-	823623	823744	-	-	-	-
						1.0	0.9	202	27.7		8.1		30.0		84.0		5.6		8.6		12		-				-		-	
					Middle	8.1	0.5	205	27.7	27.7	8.1	8.1	30.3	30.3	83.9	83.9	5.6		8.0		12		-				-		-	
						8.1	0.5	213	27.7		8.1		30.3		83.9		5.6		8.0		12		-				-		-	
					Bottom	15.2	0.2	243	27.7	27.7	8.1	8.1	30.3	30.3	85.1	85.3	5.7	5.7	8.1		11		-				-		-	
						15.2	0.3	228	27.7		8.1		30.3		85.4		5.7		8.1		12		-				-		-	
SR8	Cloudy	Moderate	17:14	5.0	Surface	1.0	-	-	27.7	27.7	8.2	8.2	28.8	28.9	90.6	90.6	6.1	6.1	9.8	11.3	8	8	-	-	820379	811638	-	-	-	-
						1.0	-	-	27.6		8.2		28.9		90.5		6.1		9.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	27.6	27.6	8.2	8.2	29.1	29.1	90.4	90.5	6.1	6.1	12.9		8		-				-		-	
						4.0	-	-	27.6		8.2		29.1		90.5		6.1		12.9		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 October 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	13:23	8.8	Surface	1.0	0.3	221	25.5	25.5	8.2	8.2	31.3	31.4	92.3	92.3	6.3	6.3	9.6	12.0	20	21	87	89	815628	804223	<0.2	<0.2	0.8	0.9
						1.0	0.3	241	25.5		8.2		31.4		92.3		6.3		9.6		19		87				<0.2		0.9	
					Middle	4.4	0.3	216	25.6	25.6	8.2	8.2	32.0	32.0	92.8	92.9	6.3		11.3		20		89				<0.2		0.9	
						4.4	0.3	216	25.6		8.2		32.0		93.0		6.3		11.3		21		89				<0.2		1.1	
					Bottom	7.8	0.3	209	25.6	25.6	8.2	8.2	32.0	32.0	95.2	95.4	6.5	6.5	15.1		22		90				<0.2		0.9	
						7.8	0.3	226	25.6		8.2		32.0		95.6		6.5		15.1		23		90				<0.2		0.9	
C2	Cloudy	Rough	12:05	8.5	Surface	1.0	0.4	107	26.8	26.8	8.1	8.1	28.4	28.4	88.3	88.3	6.0	6.0	8.2	9.4	23	24	85	88	825677	806951	<0.2	<0.2	1.4	1.3
						1.0	0.4	107	26.8		8.1		28.4		88.3		6.0		8.3		22		86				<0.2		1.4	
					Middle	4.3	0.4	90	26.7	26.7	8.1	8.1	28.6	28.6	88.6	88.6	6.0		9.9		22		88				<0.2		1.2	
						4.3	0.5	97	26.7		8.1		28.6		88.6		6.1		9.9		23		88				<0.2		1.3	
					Bottom	7.5	0.4	68	26.7	26.7	8.1	8.1	28.9	28.9	89.5	89.5	6.1	6.1	10.1		27		91				<0.2		1.3	
						7.5	0.4	70	26.7		8.1		28.8		89.5		6.1		10.0		28		91				<0.2		1.2	
C3	Cloudy	Rough	14:21	10.4	Surface	1.0	0.5	78	27.3	27.3	8.2	8.2	31.4	31.4	83.5	83.5	5.6	5.5	5.0	6.7	14	18	84	88	822125	817808	<0.2	<0.2	1.0	0.9
						1.0	0.6	83	27.3		8.2		31.4		83.4		5.5		5.0		15		84				<0.2		1.0	
					Middle	5.2	0.5	99	27.3	27.3	8.2	8.2	31.6	31.6	82.9	83.0	5.5		6.1		19		88				<0.2		0.9	
						5.2	0.6	101	27.3		8.2		31.6		83.0		5.5		6.1		19		88				<0.2		0.8	
					Bottom	9.4	0.4	86	27.3	27.3	8.2	8.2	31.8	31.8	84.9	85.0	5.6	5.6	9.0		20		91				<0.2		0.8	
						9.4	0.4	92	27.2		8.2		31.8		85.0		5.6		9.0		22		91				<0.2		0.9	
IM1	Cloudy	Rough	12:56	5.2	Surface	1.0	0.3	215	25.4	25.4	8.2	8.2	30.8	30.8	93.2	93.3	6.4	6.4	13.8	14.4	18	18	86	87	817955	807147	<0.2	<0.2	0.8	0.8
						1.0	0.3	231	25.4		8.2		30.8		93.4		6.4		13.9		18		85				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	198	25.3	25.3	8.2	8.2	30.9	30.9	95.4	95.6	6.6	6.6	15.1		18		88				<0.2		0.8	
						4.2	0.1	213	25.3		8.2		30.9		95.8		6.6		15.0		18		89				<0.2		0.9	
IM2	Cloudy	Rough	12:52	7.2	Surface	1.0	0.2	176	25.5	25.5	8.2	8.2	30.4	30.3	92.6	92.6	6.4	6.3	11.1	12.6	17	18	86	89	818148	806145	<0.2	<0.2	1.0	0.9
						1.0	0.2	185	25.5		8.2		30.3		92.6		6.4		11.1		16		86				<0.2		0.8	
					Middle	3.6	0.2	169	25.4	25.4	8.2	8.2	30.6	30.6	90.0	90.0	6.2		13.1		18		89				<0.2		0.8	
						3.6	0.3	174	25.4		8.2		30.6		89.9		6.2		13.1		19		89				<0.2		0.9	
					Bottom	6.2	0.2	121	25.4	25.4	8.2	8.2	30.6	30.6	89.3	89.2	6.2	6.2	13.5		18		90				<0.2		0.9	
						6.2	0.2	132	25.4		8.2		30.6		89.1		6.2		13.5		19		91				<0.2		0.8	
IM3	Cloudy	Rough	12:47	7.5	Surface	1.0	0.2	208	25.5	25.5	8.2	8.2	30.3	30.4	92.4	92.4	6.4	6.5	11.5	13.1	18	18	86	89	818806	805575	<0.2	<0.2	0.8	0.9
						1.0	0.3	212	25.5		8.2		30.4		92.4		6.4		11.6		17		86				<0.2		0.8	
					Middle	3.8	0.1	166	25.5	25.5	8.2	8.2	30.7	30.7	94.0	94.0	6.5		13.1		18		89				<0.2		0.9	
						3.8	0.1	181	25.5		8.2		30.7		94.0		6.5		13.1		16		90				<0.2		0.9	
					Bottom	6.5	0.1	123	25.4	25.4	8.2	8.2	30.8	30.8	95.9	96.1	6.6	6.6	14.7		18		91				<0.2		0.9	
						6.5	0.1	132	25.4		8.2		30.8		96.2		6.6		14.7		18		91				<0.2		0.8	
IM4	Cloudy	Rough	12:39	7.6	Surface	1.0	0.2	178	25.5	25.5	8.2	8.2	30.3	30.3	90.7	90.6	6.3	6.2	13.9	13.8	18	18	85	88	819744	804611	<0.2	<0.2	0.9	0.9
						1.0	0.3	184	25.5		8.2		30.4		90.5		6.2		14.0		18		86				<0.2		0.8	
					Middle	3.8	0.2	170	25.6	25.6	8.2	8.2	30.7	30.7	90.0	90.0	6.2		13.8		17		88				<0.2		0.9	
						3.8	0.3	177	25.6		8.2		30.7		90.0		6.2		13.8		18		89				<0.2		0.9	
					Bottom	6.6	0.2	154	25.5	25.5	8.2	8.2	30.8	30.8	91.0	91.1	6.3	6.3	13.7		17		90				<0.2		0.9	
						6.6	0.2	168	25.5		8.2		30.8		91.1		6.3		13.7		18		90				<0.2		0.7	
IM5	Cloudy	Rough	12:31	7.4	Surface	1.0	0.2	204	25.5	25.5	8.2	8.2	30.5	30.5	91.9	91.9	6.3	6.4	12.5	13.0	13	15	86	88	820736	804862	<0.2	<0.2	0.9	0.8
						1.0	0.2	212	25.5		8.2		30.5		91.9		6.3		12.5		14		85				<0.2		0.8	
					Middle	3.7	0.2	156	25.5	25.5	8.2	8.2	30.5	30.5	92.9	92.9	6.4		14.3		14		88				<0.2		0.8	
						3.7	0.2	156	25.5		8.2		30.5		92.9		6.4		14.3		15		89				<0.2		0.8	
					Bottom	6.4	0.2	160	25.5	25.5	8.2	8.2	30.5	30.5	94.0	94.1	6.5	6.5	12.3		16		89				<0.2		0.8	
						6.4	0.2	160	25.5		8.2		30.5		94.1		6.5		12.3		16		90				<0.2		0.8	
IM6	Cloudy	Rough	12:15	7.4	Surface	1.0	0.2	271	25.5	25.5	8.1	8.1	30.5	30.5	91.1	91.1	6.3	6.3	15.1	15.1	16	18	87	88	821056	805819	<0.2	<0.2	0.9	0.9
						1.0	0.2	271	25.5		8.1		30.5		91.1		6.3		15.3		17		86				<0.2		0.9	
					Middle	3.7	0.1	264	25.5	25.5	8.1	8.1	30.6	30.6	91.8	91.9	6.3		14.5		17		88				<0.2		0.8	
						3.7	0.1	281	25.5		8.1		30.6		91.9		6.3		14.5		18		89				<0.2		0.9	
					Bottom	6.4	0.1	189	25.4	25.4	8.1	8.1	30.6	30.6	92.8	92.9	6.4	6.4	15.5		20		89				<0.2		0.8	
						6.4	0.1	192	25.4		8.1		30.6		93.0		6.4		15.5		20		90				<0.2		0.9	
IM7	Cloudy	Rough	12:07	7.9	Surface	1.0	0.1	300	25.5	25.5	8.2	8.2	30.2	30.2	90.1	90.1	6.2	6.2	11.6	13.6	17	18	86	88	821362	806843	<0.2	<0.2	0.9	0.8
						1.0	0.1	317	25.5		8.2		30.3		90.0		6.2		11.7		18		86				<0.2		0.9	
					Middle	4.0	0.0	206	25.5	25.5	8.2	8.2	30.6	30.6	89.7	89.7	6.2		13.3		17		89				<0.2		0.8	
						4.0	0.0	215	25.5		8.2		30.6		89.7		6.2		13.3		17		89				<0.2		0.7	
					Bottom	6.9	0.2	162	25.5	25.5	8.2	8.2	30.7	30.7	89.9	90.0	6.2	6.2	15.9		17		90				<0.2		0.6	
						6.9	0.2	167	25.5		8.2		30.7		90.0		6.2		15.9		19		90				<0.2		0.7	
IM8	Cloudy	Rough	12:41	7.9	Surface	1.0	0.3	111	26.8	26.8	8.1	8.1	28.7	28.7	90.4	90.5	6.2	6.2	5.2	7.8	14	14	85	88	821823	808162	<0.2	<0.2	1.4	1.3
						1.0	0.3	116	26.8		8.1		28.7		90.5		6.2		5.2		14		86				<0.2		1.4	
					Middle	4.0	0.3	98	26.5	26.5	8.1	8.1	29.5	29.5	90.9	90.9	6.2		7.6		14		88				<0.2		1.2	
						4.0	0.3	106	26.5		8.1		29.5		90.9		6.2		7.6		14		88				<0.2		1.2	
					Bottom	6.9	0.2	78	26.5	26.5	8.2	8.2	29.7	29.7	92.0	92.2	6.3	6.3	10.8		14		91				<0.2		1.1	
						6.9	0.2	79	26.5		8.2		29.7		92.3		6.3		10.8		14		92				<0.2		1.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 October 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	12:49	8.2	Surface	1.0	0.5	114	26.8	26.8	8.1	8.1	28.9	28.9	88.5	88.5	6.0	6.1	14.6	10.9	42	26	85	89	822112	808829	<0.2	<0.2	1.0	1.3
						1.0	0.5	121	26.8		8.1		28.9		88.5		6.0		14.6		18		86				<0.2		1.1	
					Middle	4.1	0.5	109	26.6	26.6	8.1	8.1	29.5	29.5	89.4	89.4	6.1		8.1		18		89				<0.2		1.4	
						4.1	0.5	110	26.6		8.1		29.6		89.3		6.1		8.1		39		90				<0.2		1.4	
					Bottom	7.2	0.3	87	26.5	26.5	8.1	8.1	29.8	29.8	89.2	89.2	6.1	6.1	10.1		22		91				<0.2		1.4	
						7.2	0.4	90	26.5		8.1		29.8		89.2		6.1		10.1		18		91				<0.2		1.5	
IM10	Cloudy	Rough	12:55	8.1	Surface	1.0	0.8	109	26.9	26.9	8.1	8.1	29.5	29.5	88.4	88.4	6.0	6.0	19.0	14.4	35	**38**	85	91	822403	809804	<0.2	<0.2	1.0	1.2
						1.0	0.8	118	26.9		8.1		29.5		88.4		6.0		19.0		36		86				<0.2		1.0	
					Middle	4.1	0.7	100	26.9	26.9	8.1	8.1	29.5	29.5	89.1	89.2	6.0		10.9		38		92				<0.2		1.2	
						4.1	0.7	102	26.9		8.1		29.5		89.2		6.0		11.0		36		93				<0.2		1.3	
					Bottom	7.1	0.6	98	26.8	26.8	8.1	8.1	29.4	29.4	92.2	92.4	6.2	6.3	13.3		41		94				<0.2		1.5	
						7.1	0.6	98	26.8		8.1		29.4		92.5		6.3		13.3		40		94				<0.2		1.4	
IM11	Cloudy	Rough	13:08	7.8	Surface	1.0	0.5	104	27.1	27.1	8.0	8.0	29.9	29.9	86.7	86.7	5.8	5.8	14.8	13.0	27	29	84	88	822065	811465	<0.2	<0.2	0.9	0.8
						1.0	0.5	108	27.1		8.0		29.9		86.7		5.8		14.9		26		84				<0.2		0.8	
					Middle	3.9	0.4	101	27.1	27.1	8.0	8.0	29.9	29.9	86.3	86.4	5.8		9.1		30		88				<0.2		0.8	
						3.9	0.5	107	27.1		8.0		29.9		86.4		5.8		9.1		29		89				<0.2		0.7	
					Bottom	6.8	0.3	110	27.1	27.1	8.0	8.0	29.9	29.9	87.2	87.4	5.9	5.9	15.0		32		91				<0.2		0.9	
						6.8	0.3	120	27.1		8.0		29.9		87.5		5.9		15.1		32		91				<0.2		0.9	
IM12	Cloudy	Rough	13:14	7.6	Surface	1.0	0.6	106	27.0	27.0	8.1	8.1	29.5	29.5	87.5	87.5	5.9	5.9	12.5	12.6	20	27	83	88	821470	812026	<0.2	<0.2	0.8	1.0
						1.0	0.6	109	27.0		8.1		29.5		87.5		5.9		12.6		19		84				<0.2		1.0	
					Middle	3.8	0.4	98	27.0	27.1	8.1	8.1	29.6	29.7	85.9	85.8	5.8		13.7		20		88				<0.2		0.9	
						3.8	0.5	104	27.1		8.1		29.7		85.7		5.8		13.8		32		89				<0.2		1.0	
					Bottom	6.6	0.4	99	27.2	27.2	8.1	8.1	30.1	30.1	85.2	85.3	5.7	5.7	11.5		36		91				<0.2		1.2	
						6.6	0.4	104	27.2		8.1		30.1		85.3		5.7		11.5		37		91				<0.2		1.2	
SR1A	Cloudy	Rough	13:41	5.3	Surface	1.0	-	-	27.2	27.2	8.1	8.1	30.2	30.2	83.6	83.5	5.6	5.6	5.5	7.5	12	13	-	-	819977	812655	-	-	-	-
						1.0	-	-	27.2		8.1		30.2		83.3		5.6		5.5		13		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	27.3	27.3	8.1	8.1	30.5	30.5	82.7	82.8	5.5	5.5	9.5		14		-				-		-	
						4.3	-	-	27.3		8.1		30.5		82.8		5.5		9.6		13		-				-		-	
SR2	Cloudy	Rough	14:00	4.6	Surface	1.0	0.5	60	27.2	27.2	8.1	8.1	30.0	30.0	85.2	85.2	5.7	5.7	11.3	12.5	11	15	83	86	821450	814146	<0.2	<0.2	1.1	1.0
						1.0	0.5	65	27.2		8.1		30.0		85.1		5.7		11.3		12		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.4	11	27.3	27.3	8.1	8.1	30.5	30.5	82.9	83.0	5.5	5.6	13.7		23		88				<0.2		0.9	
						3.6	0.4	11	27.3		8.1		30.5		83.0		5.6		13.7		13		88				<0.2		0.9	
SR3	Cloudy	Rough	12:35	8.3	Surface	1.0	0.2	122	26.7	26.7	8.1	8.1	29.0	29.0	90.1	90.1	6.1	6.2	6.9	10.6	14	16	-	-	822164	807550	-	-	-	-
						1.0	0.2	124	26.7		8.1		29.0		90.1		6.1		6.9		14		-				-		-	
					Middle	4.2	0.3	115	26.5	26.5	8.1	8.1	29.5	29.5	90.7	90.7	6.2		10.0		15		-				-		-	
						4.2	0.3	124	26.5		8.1		29.5		90.7		6.2		10.0		15		-				-		-	
					Bottom	7.3	0.3	90	26.6	26.6	8.1	8.1	29.4	29.4	91.2	91.3	6.2	6.2	14.8		19		-				-		-	
						7.3	0.3	97	26.6		8.1		29.4		91.3		6.2		14.9		20		-				-		-	
SR4A	Cloudy	Rough	13:45	8.4	Surface	1.0	0.3	58	25.4	25.4	8.2	8.2	30.7	30.7	92.8	92.8	6.4	6.5	14.4	14.1	23	24	-	-	817197	807816	-	-	-	-
						1.0	0.3	63	25.4		8.2		30.7		92.8		6.4		14.3		22		-				-		-	
					Middle	4.2	0.3	64	25.4	25.4	8.2	8.2	30.7	30.7	93.9	94.1	6.5		14.2		25		-				-		-	
						4.2	0.3	65	25.4		8.2		30.7		94.2		6.5		14.3		24		-				-		-	
					Bottom	7.4	0.2	70	25.3	25.3	8.2	8.2	30.7	30.7	96.0	96.1	6.6	6.6	14.4		25		-				-		-	
						7.4	0.2	74	25.3		8.2		30.7		96.2		6.6		13.3		25		-				-		-	
SR5A	Cloudy	Moderate	14:04	4.6	Surface	1.0	0.0	12	25.3	25.3	8.1	8.1	30.9	30.9	94.5	94.6	6.5	6.5	11.9	13.5	12	15	-	-	816606	810709	-	-	-	-
						1.0	0.0	12	25.3		8.1		30.9		94.6		6.5		11.9		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	196	25.3	25.3	8.1	8.1	30.9	30.9	95.6	96.0	6.6	6.6	15.1		18		-				-		-	
						3.6	0.1	211	25.3		8.1		30.9		96.3		6.6		15.1		17		-				-		-	
SR6A	Cloudy	Moderate	14:38	4.4	Surface	1.0	0.1	79	25.9	25.9	8.1	8.1	30.6	30.6	92.6	92.7	6.3	6.4	6.8	9.0	6	7	-	-	817954	814715	-	-	-	-
						1.0	0.1	82	25.9		8.1		30.6		92.7		6.4		7.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	49	25.7	25.7	8.1	8.1	30.6	30.6	93.1	93.3	6.4	6.4	11.1		8		-				-		-	
						3.4	0.1	53	25.7		8.1		30.6		93.4		6.4		11.0		8		-				-		-	
SR7	Cloudy	Rough	14:51	15.7	Surface	1.0	0.5	88	27.3	27.3	8.2	8.2	31.3	31.3	83.1	83.1	5.5	5.6	7.3	7.6	11	12	-	-	823626	823738	-	-	-	-
						1.0	0.6	93	27.3		8.2		31.3		83.1		5.5		7.4		12		-				-		-	
					Middle	7.9	0.3	56	27.3	27.3	8.2	8.2	31.4	31.4	83.7	83.7	5.6		7.9		11		-				-		-	
						7.9	0.3	60	27.3		8.2		31.4		83.7		5.6		7.9		11		-				-		-	
					Bottom	14.7	0.3	9	27.3	27.3	8.2	8.2	31.6	31.6	85.1	85.2	5.7	5.7	7.6		12		-				-		-	
						14.7	0.3	9	27.3		8.2		31.6		85.3		5.7		7.7		12		-				-		-	
SR8	Cloudy	Rough	13:28	4.8	Surface	1.0	-	-	27.2	27.2	8.1	8.1	30.0	30.0	84.8	84.8	5.7	5.7	13.4	14.6	15	14	-	-	820376	811631	-	-	-	-
						1.0	-	-	27.2		8.1		30.0		84.7		5.7		13.5		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	27.3	27.3	8.1	8.1	30.4	30.4	83.7	83.8	5.6	5.6	15.7		12		-				-		-	
						3.8	-	-	27.3		8.1		30.4		83.9		5.6		15.8		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 29 October 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	08:18	8.5	Surface	1.0	0.1	21	25.4	25.4	8.2	8.2	30.4	30.4	91.4	91.4	6.3	6.3	13.2	14.3	18	16	88	89	815610	804254	<0.2	<0.2	1.0	1.0
						1.0	0.1	22	25.4		8.2		30.4		91.4		6.3		13.2		19		89				<0.2		1.1	
					Middle	4.3	0.0	40	25.5	25.5	8.2	8.2	31.0	31.0	90.5	90.5	6.2		14.1		16		89				<0.2		1.0	
						4.3	0.0	42	25.5		8.2		31.0		90.5		6.2		14.1		15		90				<0.2		1.0	
					Bottom	7.5	0.1	108	25.5	25.5	8.2	8.2	30.9	30.9	92.1	92.3	6.3	6.4	15.7		15		90				<0.2		1.0	
						7.5	0.1	113	25.5		8.2		30.9		92.4		6.4		15.7		15		90				<0.2		1.1	
C2	Cloudy	Rough	09:02	8.2	Surface	1.0	0.5	49	26.7	26.7	8.0	8.0	28.4	28.4	88.5	88.6	6.1	6.1	15.2	17.1	6	27	84	88	825695	806936	<0.2	<0.2	1.2	1.3
						1.0	0.5	48	26.7		8.0		28.4		88.6		6.1		15.5		32		84				<0.2		1.3	
					Middle	4.1	0.5	36	26.7	26.7	8.0	8.0	28.6	28.6	89.3	89.3	6.1		17.7		28		88				<0.2		1.3	
						4.1	0.5	34	26.7		8.0		28.6		89.3		6.1		17.7		29		88				<0.2		1.4	
					Bottom	7.2	0.5	67	26.6	26.6	8.0	8.0	29.0	29.0	92.8	93.1	6.3	6.4	18.2		33		91				<0.2		1.4	
						7.2	0.5	68	26.6		8.0		29.0		93.4		6.4		18.2		35		91				<0.2		1.2	
C3	Cloudy	Rough	07:06	11.2	Surface	1.0	0.1	289	27.3	27.3	8.0	8.0	30.6	30.6	83.2	83.3	5.6	5.6	8.1	9.2	23	22	88	90	822116	817798	<0.2	<0.2	1.4	1.4
						1.0	0.1	291	27.3		8.0		30.6		83.3		5.6		8.2		24		88				<0.2		1.5	
					Middle	5.6	0.1	280	27.3	27.3	8.0	8.0	30.6	30.6	83.8	83.9	5.6		9.2		20		91				<0.2		1.5	
						5.6	0.1	296	27.3		8.0		30.6		83.9		5.6		9.2		21		91				<0.2		1.5	
					Bottom	10.2	0.1	276	27.3	27.3	8.0	8.0	30.6	30.6	84.2	84.2	5.6	5.6	10.4		20		92				<0.2		1.3	
						10.2	0.2	301	27.3		8.0		30.6		84.2		5.6		10.4		21		92				<0.2		1.4	
IM1	Cloudy	Rough	08:39	5.9	Surface	1.0	0.1	270	25.4	25.4	8.2	8.2	30.9	30.9	91.5	91.5	6.3	6.3	12.9	14.2	13	15	84	86	817967	807114	<0.2	<0.2	1.0	0.9
						1.0	0.1	289	25.4		8.2		30.9		91.5		6.3		12.9		14		85				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	0.1	67	25.4	25.4	8.2	8.2	31.0	31.0	93.6	93.6	6.5	6.5	15.5		16		87				<0.2		0.9	
						4.9	0.1	72	25.4		8.2		31.0		93.6		6.5		15.5		16		87				<0.2		0.9	
IM2	Cloudy	Rough	08:45	7.8	Surface	1.0	0.2	13	25.5	25.5	8.2	8.2	30.5	30.5	90.7	90.7	6.3	6.3	12.2	14.0	19	18	84	87	818150	806188	<0.2	<0.2	1.0	1.0
						1.0	0.2	13	25.5		8.2		30.5		90.7		6.3		12.2		18		84				<0.2		1.0	
					Middle	3.9	0.1	29	25.5	25.5	8.2	8.2	30.5	30.5	90.9	90.9	6.3		16.1		18		87				<0.2		0.9	
						3.9	0.1	30	25.5		8.2		30.5		90.9		6.3		16.1		17		87				<0.2		0.9	
					Bottom	6.8	0.0	10	25.5	25.5	8.2	8.2	30.5	30.5	91.7	91.8	6.3	6.3	13.8		17		88				<0.2		1.0	
						6.8	0.0	10	25.5		8.2		30.5		91.8		6.3		13.8		18		89				<0.2		1.2	
IM3	Cloudy	Rough	08:50	7.5	Surface	1.0	0.1	15	25.5	25.5	8.2	8.2	30.6	30.6	91.8	91.8	6.3	6.4	14.5	14.9	14	17	86	87	818772	805589	<0.2	<0.2	1.0	1.0
						1.0	0.1	17	25.5		8.2		30.6		91.8		6.3		14.5		15		84				<0.2		1.0	
					Middle	3.8	0.1	44	25.5	25.5	8.2	8.2	30.7	30.7	92.4	92.4	6.4		14.4		18		87				<0.2		1.0	
						3.8	0.1	47	25.5		8.2		30.7		92.4		6.4		14.4		19		88				<0.2		1.0	
					Bottom	6.5	0.1	43	25.4	25.4	8.2	8.2	30.7	30.7	93.1	93.2	6.4	6.4	15.9		19		89				<0.2		0.9	
						6.5	0.1	44	25.4		8.2		30.7		93.3		6.4		15.9		18		89				<0.2		1.0	
IM4	Cloudy	Rough	08:58	7.5	Surface	1.0	0.1	29	25.5	25.5	8.2	8.2	30.3	30.3	91.6	91.6	6.3	6.3	11.2	12.9	18	20	84	87	819733	804625	<0.2	<0.2	0.9	1.0
						1.0	0.1	38	25.5		8.2		30.3		91.6		6.3		11.2		20		85				<0.2		0.9	
					Middle	3.8	0.1	33	25.5	25.5	8.2	8.2	30.6	30.6	92.0	92.1	6.3		13.6		21		87				<0.2		1.0	
						3.8	0.1	35	25.5		8.2		30.6		92.2		6.4		13.6		20		88				<0.2		1.0	
					Bottom	6.5	0.1	11	25.5	25.5	8.2	8.2	30.6	30.6	93.0	93.1	6.4	6.4	13.9		21		88				<0.2		1.0	
						6.5	0.1	11	25.5		8.2		30.6		93.1		6.4		13.8		20		89				<0.2		1.0	
IM5	Cloudy	Rough	09:03	7.7	Surface	1.0	0.1	34	25.5	25.5	8.2	8.2	30.4	30.4	91.5	91.5	6.3	6.3	12.5	13.8	18	19	86	88	820742	804856	<0.2	<0.2	0.9	1.0
						1.0	0.1	31	25.5		8.2		30.4		91.5		6.3		12.5		18		86				<0.2		1.0	
					Middle	3.9	0.1	15	25.5	25.5	8.2	8.2	30.5	30.5	91.9	92.0	6.3		13.9		18		88				<0.2		1.0	
						3.9	0.1	15	25.5		8.2		30.5		92.0		6.3		13.9		20		88				<0.2		0.9	
					Bottom	6.7	0.1	51	25.5	25.5	8.2	8.2	30.5	30.5	93.7	93.8	6.5	6.5	15.1		20		89				<0.2		1.1	
						6.7	0.1	52	25.5		8.2		30.5		93.9		6.5		15.1		20		89				<0.2		1.0	
IM6	Cloudy	Rough	09:09	7.4	Surface	1.0	0.1	24	25.5	25.5	8.1	8.1	30.4	30.4	91.0	91.0	6.3	6.3	9.3	11.2	24	23	86	87	821055	805836	<0.2	<0.2	1.0	1.0
						1.0	0.1	26	25.5		8.1		30.4		91.0		6.3		9.3		24		85				<0.2		1.0	
					Middle	3.7	0.1	18	25.5	25.5	8.1	8.1	30.4	30.4	91.6	91.7	6.3		11.0		22		87				<0.2		1.0	
						3.7	0.1	18	25.5		8.1		30.4		91.7		6.3		11.0		23		87				<0.2		1.0	
					Bottom	6.4	0.0	18	25.5	25.5	8.1	8.1	30.4	30.4	92.5	92.7	6.4	6.4	12.8		22		88				<0.2		0.9	
						6.4	0.0	18	25.5		8.1		30.4		92.8		6.4		13.8		21		89				<0.2		1.0	
IM7	Cloudy	Rough	09:16	8.0	Surface	1.0	0.1	28	25.5	25.5	8.1	8.1	30.2	30.2	91.2	91.2	6.3	6.3	11.9	13.7	22	23	86	88	821326	806829	<0.2	<0.2	1.0	1.0
						1.0	0.1	26	25.5		8.1		30.2		91.2		6.3		11.9		22		86				<0.2		1.0	
					Middle	4.0	0.0	16	25.5	25.5	8.1	8.1	30.7	30.7	92.1	92.2	6.3		14.4		23		88				<0.2		1.1	
						4.0	0.0	17	25.5		8.1		30.7		92.2		6.4		14.5		23		87				<0.2		1.0	
					Bottom	7.0	0.2	12	25.4	25.4	8.2	8.2	30.7	30.7	93.2	93.3	6.4	6.4	14.8		24		90				<0.2		0.9	
						7.0	0.2	13	25.4		8.2		30.7		93.4		6.4		14.8		24		89				<0.2		0.9	
IM8	Cloudy	Rough	08:26	8.0	Surface	1.0	0.3	355	26.9	26.9	8.0	8.0	28.1	28.1	88.5	88.6	6.0	6.1	11.4	11.8	28	29	84	88	821828	808116	<0.2	<0.2	1.0	1.3
						1.0	0.3	345	26.9		8.0		28.1		88.6		6.0		11.5		28		85				<0.2		1.0	
					Middle	4.0	0.3	347	26.7	26.7	8.1	8.1	28.7	28.7	89.1	89.1	6.1		8.2		31		88				<0.2		1.4	
						4.0	0.4	338	26.7		8.1		28.7		89.1		6.1		8.2		30		89				<0.2		1.2	
					Bottom	7.0	0.3	356	26.5	26.5	8.1	8.1	29.9	29.9	90.1	90.2	6.1	6.1	15.6		29		91				<0.2		1.5	
						7.0	0.3	339	26.5		8.1		29.9		90.2		6.1		15.7		30		92				<0.2		1.5	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Water Quality Monitoring
Water Quality Monitoring Results on 29 October 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	08:20	7.4	Surface	1.0	0.3	316	26.9	26.9	8.0	8.0	28.1	28.1	87.3	87.3	6.0	6.0	12.4	14.0	31	27	83	88	822078	808795	<0.2	<0.2	1.4	1.3
						1.0	0.3	319	26.9		8.0		28.1		87.3		6.0		12.5		30		84				<0.2		1.2	
					Middle	3.7	0.4	317	26.9	26.9	8.0	8.0	28.1	28.1	87.4	87.5	6.0		13.7		26		88				<0.2		1.1	
						3.7	0.4	302	26.9		8.0		28.1		87.5		6.0		13.7		27		88				<0.2		1.1	
					Bottom	6.4	0.3	297	26.7	26.7	8.0	8.0	28.9	28.9	89.7	89.8	6.1	6.1	15.9		24		91				<0.2		1.3	
						6.4	0.3	289	26.7		8.0		28.9		89.8		6.1		16.0		23		91				<0.2		1.4	
IM10	Cloudy	Rough	08:12	7.5	Surface	1.0	0.2	296	26.9	26.9	8.0	8.0	29.4	29.4	87.4	87.4	5.9	6.0	8.1	10.6	19	19	85	89	822378	809812	<0.2	<0.2	1.2	1.3
						1.0	0.2	278	26.9		8.0		29.4		87.4		5.9		8.1		18		85				<0.2		1.3	
					Middle	3.8	0.2	268	26.9	26.9	8.0	8.0	29.5	29.5	88.0	88.0	6.0		10.8		18		90				<0.2		1.3	
						3.8	0.2	282	26.9		8.0		29.5		88.0		6.0		10.9		18		90				<0.2		1.3	
					Bottom	6.5	0.1	262	26.9	26.9	8.0	8.0	29.5	29.4	88.7	88.9	6.0	6.0	12.8		19		91				<0.2		1.2	
						6.5	0.1	275	26.9		8.0		29.4		89.0		6.0		12.7		19		91				<0.2		1.3	
IM11	Cloudy	Rough	08:02	7.8	Surface	1.0	0.1	263	26.9	26.9	8.0	8.0	29.6	29.6	87.5	87.5	5.9	5.9	6.7	9.0	16	18	85	89	822040	811449	<0.2	<0.2	1.4	1.3
						1.0	0.1	285	26.9		8.0		29.6		87.5		5.9		6.7		16		86				<0.2		1.4	
					Middle	3.9	0.1	243	27.0	27.0	8.0	8.0	29.6	29.6	87.3	87.4	5.9		8.1		18		89				<0.2		1.2	
						3.9	0.1	249	27.0		8.0		29.6		87.4		5.9		8.1		19		89				<0.2		1.4	
					Bottom	6.8	0.1	278	26.9	26.9	8.0	8.0	29.6	29.6	88.6	88.6	6.0	6.0	12.3		20		91				<0.2		1.4	
						6.8	0.1	267	26.9		8.0		29.6		88.6		6.0		12.3		20		91				<0.2		1.2	
IM12	Cloudy	Rough	07:56	7.1	Surface	1.0	0.1	222	27.0	27.0	8.0	8.0	29.6	29.6	86.6	86.6	5.8	5.9	8.0	11.8	18	18	83	88	821478	812066	<0.2	<0.2	1.2	1.2
						1.0	0.1	232	27.0		8.0		29.6		86.6		5.9		8.1		18		84				<0.2		1.2	
					Middle	3.6	0.1	229	27.0	27.0	8.0	8.0	29.6	29.6	87.2	87.2	5.9		13.1		18		88				<0.2		1.3	
						3.6	0.1	224	27.0		8.0		29.6		87.2		5.9		13.2		19		89				<0.2		1.3	
					Bottom	6.1	0.3	271	27.0	27.0	8.0	8.0	29.6	29.6	88.1	88.2	5.9	6.0	14.2		18		91				<0.2		1.1	
						6.1	0.3	262	27.0		8.0		29.6		88.2		6.0		14.2		19		91				<0.2		1.2	
SR1A	Cloudy	Rough	07:37	5.5	Surface	1.0	-	-	26.6	26.6	8.0	8.0	29.7	29.7	85.2	85.3	5.8	5.8	9.1	8.6	25	26	-	-	819976	812666	-	-	-	-
						1.0	-	-	26.6		8.0		29.7		85.3		5.8		9.1		24		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	26.6	26.6	7.9	7.9	29.8	29.8	89.4	89.6	6.1	6.1	8.2		28		-				-		-	
						4.5	-	-	26.6		7.9		29.8		89.7		6.1		8.2		27		-				-		-	
SR2	Cloudy	Rough	07:26	4.6	Surface	1.0	0.0	222	27.0	27.0	8.0	8.0	29.7	29.7	87.1	87.2	5.9	5.9	10.8	12.6	16	17	84	86	821460	814168	<0.2	<0.2	1.4	1.4
						1.0	0.0	226	27.0		8.0		29.7		87.2		5.9		10.9		15		84				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	252	27.0	27.0	8.0	8.0	29.7	29.7	88.2	88.3	6.0	6.0	14.3		17		88				<0.2		1.3	
						3.6	0.1	258	27.0		8.0		29.7		88.3		6.0		14.3		18		88				<0.2		1.3	
SR3	Cloudy	Rough	08:39	7.9	Surface	1.0	0.3	40	26.6	26.6	8.1	8.1	29.4	29.4	90.4	90.4	6.2	6.2	7.3	10.3	29	29	-	-	822136	807549	-	-	-	-
						1.0	0.3	42	26.6		8.1		29.4		90.4		6.2		7.3		29		-				-		-	
					Middle	4.0	0.3	12	26.5	26.5	8.1	8.1	29.7	29.7	90.8	90.8	6.2		10.3		29		-				-		-	
						4.0	0.3	12	26.5		8.1		29.7		90.8		6.2		10.4		28		-				-		-	
					Bottom	6.9	0.4	37	26.5	26.5	8.1	8.1	29.7	29.7	92.1	92.4	6.3	6.3	13.1		30		-				-		-	
						6.9	0.4	40	26.5		8.1		29.7		92.6		6.3		13.1		29		-				-		-	
SR4A	Cloudy	Rough	07:51	8.4	Surface	1.0	0.4	287	25.2	25.2	8.2	8.2	31.0	31.0	91.2	91.2	6.3	6.3	11.3	13.6	10	18	-	-	817188	807796	-	-	-	-
						1.0	0.4	294	25.2		8.2		31.0		91.2		6.3		11.3		11		-				-		-	
					Middle	4.2	0.3	267	25.1	25.1	8.2	8.2	31.1	31.1	91.2	91.2	6.3		13.7		20		-				-		-	
						4.2	0.3	255	25.1		8.2		31.1		91.2		6.3		13.7		19		-				-		-	
					Bottom	7.4	0.2	267	25.1	25.1	8.2	8.2	31.1	31.1	91.3	91.3	6.3	6.3	15.8		23		-				-		-	
						7.4	0.3	244	25.1		8.2		31.1		91.3		6.3		15.8		22		-				-		-	
SR5A	Cloudy	Moderate	07:33	4.5	Surface	1.0	0.3	212	25.5	25.5	8.2	8.2	30.9	30.9	86.7	86.7	6.0	6.0	8.7	8.6	14	14	-	-	816609	810673	-	-	-	-
						1.0	0.3	222	25.5		8.2		30.9		86.7		6.0		8.7		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	242	25.5	25.5	8.2	8.2	30.9	30.9	88.4	88.5	6.1	6.1	8.4		13		-				-		-	
						3.5	0.3	251	25.5		8.2		30.9		88.5		6.1		8.5		14		-				-		-	
SR6A	Cloudy	Moderate	07:08	4.6	Surface	1.0	0.2	251	25.5	25.5	8.2	8.2	30.6	30.6	86.2	86.3	5.9	5.9	8.4	9.3	15	15	-	-	817967	814744	-	-	-	-
						1.0	0.2	262	25.5		8.2		30.6		86.3		5.9		8.6		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	228	25.5	25.5	8.2	8.2	30.6	30.6	88.4	88.7	6.1	6.1	10.1		15		-				-		-	
						3.6	0.1	238	25.5		8.2		30.6		88.9		6.1		10.1		14		-				-		-	
SR7	Cloudy	Rough	06:37	16.8	Surface	1.0	0.1	314	27.2	27.2	8.0	8.0	30.6	30.6	83.2	83.2	5.6	5.6	8.7	9.5	15	17	-	-	823632	823757	-	-	-	-
						1.0	0.1	342	27.2		8.0		30.6		83.2		5.6		8.7		15		-				-		-	
					Middle	8.4	0.2	225	27.3	27.3	8.0	8.0	30.7	30.7	83.0	83.0	5.5		9.8		16		-				-		-	
						8.4	0.2	209	27.3		8.0		30.7		83.0		5.6		9.9		17		-				-		-	
					Bottom	15.8	0.2	213	27.3	27.3	7.9	7.9	30.7	30.7	83.5	83.5	5.6	5.6	9.9		18		-				-		-	
						15.8	0.2	215	27.3		7.9		30.7		83.5		5.6		9.9		18		-				-		-	
SR8	Cloudy	Rough	07:47	4.8	Surface	1.0	-	-	26.8	26.8	8.0	8.0	29.4	29.4	90.0	90.1	6.1	6.1	15.4	16.5	16	17	-	-	820398	811636	-	-	-	-
						1.0	-	-	26.8		8.0		29.4		90.2		6.1		15.5		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	26.7	26.7	8.0	8.0	29.3	29.3	93.6	93.8	6.4	6.4	17.6		18		-				-		-	
						3.8	-	-	26.7		8.0		29.3		94.0		6.4		17.6		19		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 October 19 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	14:30	7.9	Surface	1.0	0.1	269	26.0	26.0	8.2	8.2	31.4	31.4	93.3	93.3	6.3	6.4	11.1	11.6	14	12	87	89	815606	804249	<0.2	<0.2	0.7	0.6
						1.0	0.1	282	26.0		8.2		31.5		93.3		6.3		11.2		14		88				<0.2		0.6	
					Middle	4.0	0.0	142	26.0	26.0	8.2	8.2	31.5	31.5	93.9	94.1	6.4		11.6		12		88				<0.2		0.6	
						4.0	0.0	144	26.0		8.2		31.5		94.2		6.4		11.7		10		89				<0.2		0.6	
					Bottom	6.9	0.1	80	26.0	26.0	8.2	8.2	31.5	31.5	97.6	97.9	6.6	6.7	12.0		12		90				<0.2		0.7	
						6.9	0.1	87	26.0		8.2		31.5		98.2		6.7		12.1		11		90				<0.2		0.6	
C2	Cloudy	Rough	13:32	11.6	Surface	1.0	0.4	142	26.4	26.4	8.1	8.1	29.5	29.5	88.3	88.3	6.0	6.0	6.4	11.9	7	8	86	88	825667	806923	<0.2	<0.2	1.3	1.2
						1.0	0.4	134	26.4		8.1		29.5		88.2		6.0		6.4		8		86				<0.2		1.3	
					Middle	5.8	0.4	151	26.4	26.4	8.2	8.2	29.6	29.6	87.1	87.1	5.9		12.4		9		88				<0.2		1.2	
						5.8	0.4	144	26.4		8.2		29.6		87.1		5.9		12.7		8		87				<0.2		1.2	
					Bottom	10.6	0.3	129	26.3	26.3	8.2	8.2	30.2	30.2	87.1	87.1	5.9	5.9	16.9		9		89				<0.2		1.2	
						10.6	0.3	131	26.3		8.2		30.2		87.1		5.9		16.8		8		89				<0.2		1.2	
C3	Cloudy	Rough	15:16	11.4	Surface	1.0	0.3	43	26.9	26.9	8.3	8.3	32.4	32.4	85.5	85.5	5.7	5.7	4.6	8.9	8	9	87	90	822101	817801	<0.2	<0.2	0.8	0.9
						1.0	0.3	45	26.9		8.3		32.4		85.4		5.7		4.7		8		88				<0.2		1.0	
					Middle	5.7	0.2	113	26.9	26.9	8.2	8.2	32.5	32.5	84.4	84.4	5.6		9.1		9		89				<0.2		0.9	
						5.7	0.2	115	26.9		8.2		32.5		84.4		5.6		9.2		9		89				<0.2		0.9	
					Bottom	10.4	0.2	90	26.9	26.9	8.3	8.3	32.5	32.5	84.7	84.7	5.6	5.6	12.7		8		92				<0.2		0.9	
						10.4	0.2	91	26.9		8.3		32.5		84.7		5.6		12.8		9		92				<0.2		0.8	
IM1	Cloudy	Calm	14:14	5.6	Surface	1.0	0.4	167	26.1	26.1	8.2	8.2	31.5	31.6	93.7	93.7	6.4	6.4	7.1	7.1	8	10	88	89	817954	807111	<0.2	<0.2	0.6	0.6
						1.0	0.4	170	26.1		8.2		31.6		93.7		6.4		7.2		9		88				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	165	26.1	26.1	8.2	8.2	31.7	31.7	93.9	94.1	6.4	6.4	7.1		11		89				<0.2		0.7	
						4.6	0.2	174	26.0		8.2		31.7		94.2		6.4		7.0		11		89				<0.2		0.6	
IM2	Cloudy	Moderate	14:08	7.3	Surface	1.0	0.3	128	25.9	26.0	8.2	8.2	31.3	31.3	92.6	92.5	6.3	6.3	8.9	11.7	17	15	87	89	818183	806188	<0.2	<0.2	0.7	0.6
						1.0	0.3	131	26.0		8.2		31.3		92.4		6.3		8.9		17		88				<0.2		0.7	
					Middle	3.7	0.3	136	26.1	26.1	8.2	8.2	31.6	31.6	92.0	92.1	6.2		11.4		14		89				<0.2		0.6	
						3.7	0.3	137	26.1		8.2		31.6		92.2		6.3		11.7		14		89				<0.2		0.6	
					Bottom	6.3	0.2	151	26.1	26.1	8.2	8.2	31.7	31.7	93.6	93.8	6.3	6.4	14.8		12		90				<0.2		0.6	
						6.3	0.2	132	26.1		8.2		31.7		94.0		6.4		14.8		13		90				<0.2		0.6	
IM3	Cloudy	Moderate	14:03	7.5	Surface	1.0	0.4	166	26.0	26.0	8.2	8.2	31.2	31.2	91.8	91.8	6.3	6.3	12.2	14.5	19	18	88	89	818791	805607	<0.2	<0.2	0.6	0.6
						1.0	0.4	166	26.0		8.2		31.2		91.8		6.3		12.1		18		89				<0.2		0.7	
					Middle	3.8	0.2	132	26.1	26.1	8.2	8.2	31.4	31.4	91.8	91.9	6.2		13.8		18		89				<0.2		0.7	
						3.8	0.2	132	26.1		8.2		31.4		91.9		6.2		13.8		18		89				<0.2		0.6	
					Bottom	6.5	0.1	138	26.0	26.0	8.2	8.2	31.4	31.4	93.1	93.1	6.3	6.3	17.6		17		90				<0.2		0.6	
						6.5	0.1	139	26.0		8.2		31.4		93.1		6.3		17.7		18		90				<0.2		0.6	
IM4	Cloudy	Moderate	13:55	7.9	Surface	1.0	0.6	113	25.9	25.9	8.2	8.2	30.9	30.9	91.4	91.4	6.2	6.2	14.9	15.6	16	18	88	89	819748	804622	<0.2	<0.2	0.7	0.7
						1.0	0.6	127	25.9		8.2		30.9		91.4		6.2		14.9		17		88				<0.2		0.8	
					Middle	4.0	0.6	151	26.0	26.0	8.2	8.2	31.1	31.1	91.1	91.2	6.2		15.1		18		89				<0.2		0.7	
						4.0	0.6	152	26.0		8.2		31.2		91.3		6.2		15.1		20		89				<0.2		0.8	
					Bottom	6.9	0.6	157	26.1	26.1	8.2	8.2	31.3	31.3	92.7	93.0	6.3	6.3	16.7		20		90				<0.2		0.7	
						6.9	0.6	148	26.1		8.2		31.3		93.3		6.3		17.0		19		90				<0.2		0.7	
IM5	Cloudy	Moderate	13:47	6.8	Surface	1.0	0.8	161	26.0	26.0	8.2	8.2	31.0	31.0	90.7	90.8	6.2	6.2	11.9	12.5	15	16	88	89	820740	804879	<0.2	<0.2	0.8	0.7
						1.0	0.8	163	26.0		8.2		31.0		90.8		6.2		11.9		16		88				<0.2		0.7	
					Middle	3.4	0.8	168	26.0	26.0	8.2	8.2	31.1	31.1	91.4	91.5	6.2		11.4		16		89				<0.2		0.6	
						3.4	0.8	162	26.0		8.2		31.1		91.6		6.2		11.3		16		89				<0.2		0.6	
					Bottom	5.8	0.7	163	26.0	26.0	8.2	8.2	31.2	31.1	93.9	94.1	6.4	6.4	14.2		17		89				<0.2		0.7	
						5.8	0.8	174	26.0		8.2		31.1		94.3		6.4		14.4		16		90				<0.2		0.7	
IM6	Cloudy	Moderate	13:36	7.4	Surface	1.0	0.3	177	26.0	26.0	8.2	8.2	31.0	31.0	90.4	90.4	6.2	6.2	11.1	12.6	14	15	88	89	821040	805828	<0.2	<0.2	0.8	0.7
						1.0	0.3	189	26.0		8.2		31.0		90.4		6.2		11.4		15		89				<0.2		0.7	
					Middle	3.7	0.3	190	26.0	26.0	8.2	8.2	31.1	31.1	90.1	90.1	6.1		12.9		14		88				<0.2		0.8	
						3.7	0.3	205	26.0		8.2		31.1		90.1		6.1		13.1		14		89				<0.2		0.7	
					Bottom	6.4	0.3	186	26.0	26.0	8.2	8.2	31.1	31.1	90.2	90.3	6.1	6.2	13.5		15		90				<0.2		0.7	
						6.4	0.3	189	26.0		8.2		31.1		90.3		6.2		13.8		16		90				<0.2		0.6	
IM7	Cloudy	Moderate	13:31	7.7	Surface	1.0	0.1	218	26.0	26.0	8.2	8.2	31.0	31.0	90.4	90.4	6.2	6.2	11.2	12.9	14	16	88	89	821361	806823	<0.2	<0.2	0.8	0.7
						1.0	0.1	226	26.0		8.2		31.0		90.3		6.2		11.5		13		88				<0.2		0.7	
					Middle	3.9	0.3	109	26.0	26.0	8.2	8.2	31.1	31.1	90.1	90.1	6.1		12.9		17		89				<0.2		0.8	
						3.9	0.3	113	26.0		8.2		31.1		90.1		6.1		13.1		16		89				<0.2		0.6	
					Bottom	6.7	0.4	87	26.0	26.0	8.2	8.2	31.1	31.1	90.1	90.1	6.1	6.1	14.5		18		90				<0.2		0.7	
						6.7	0.4	91	26.0		8.2		31.1		90.1		6.1		14.4		18		90				<0.2		0.7	
IM8	Cloudy	Moderate	14:01	8.6	Surface	1.0	0.3	165	26.4	26.4	8.0	8.0	29.9	29.9	89.6	89.6	6.1	6.1	10.0	14.2	9	8	87	88	821809	808161	<0.2	<0.2	1.2	1.1
						1.0	0.3	170	26.4		8.0		29.9		89.6		6.1		10.1		8		87				<0.2		1.1	
					Middle	4.3	0.4	172	26.2	26.2	8.1	8.1	30.8	30.8	90.4	90.4	6.1		14.9		8		88				<0.2		1.1	
						4.3	0.4	174	26.2		8.1		30.8		90.4		6.1		15.1		7		89				<0.2		1.0	
					Bottom	7.6	0.3	181	26.2	26.2	8.1	8.1	31.7	31.7	91.3	91.3	6.2	6.2	17.6		7		89				<0.2		1.0	
						7.6	0.4	182	26.2		8.1		31.7		91.3		6.2		17.7		7		90				<0.2		1.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 October 19 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	14:07	8.2	Surface	1.0	0.3	158	26.4	26.4	8.0	8.0	30.0	30.0	91.0	91.0	6.2	6.2	8.0	11.5	10	11	87	88	822115	808807	<0.2	<0.2	1.1	1.1
						1.0	0.3	158	26.4		8.0		30.0		91.0		6.2		8.0		11		86				<0.2		1.0	
					Middle	4.1	0.3	165	26.3	26.3	8.0	8.0	30.2	30.2	89.1	89.2	6.1		11.7		11		88				<0.2		1.2	
						4.1	0.3	167	26.3		8.0		30.2		89.2		6.1		11.8		12		89				<0.2		1.1	
					Bottom	7.2	0.3	174	26.0	26.0	8.0	8.0	31.0	31.0	90.9	91.0	6.2	6.2	14.8		11		89				<0.2		1.1	
						7.2	0.4	179	26.0		8.0		31.0		91.0		6.2		14.8		11		90				<0.2		1.1	
IM10	Cloudy	Moderate	14:15	7.7	Surface	1.0	0.3	148	26.4	26.4	8.3	8.3	31.4	31.4	90.9	90.9	6.1	6.1	11.2	13.5	8	8	87	88	822408	809803	<0.2	<0.2	1.1	1.1
						1.0	0.4	149	26.4		8.3		31.4		90.9		6.1		11.2		8		86				<0.2		1.1	
					Middle	3.9	0.2	144	26.4	26.4	8.3	8.3	31.4	31.4	88.4	88.4	6.0		13.4		8		89				<0.2		1.1	
						3.9	0.2	147	26.4		8.3		31.4		88.4		6.0		13.4		9		89				<0.2		1.0	
					Bottom	6.7	0.0	159	26.4	26.4	8.2	8.2	31.4	31.4	89.2	89.2	6.0	6.0	15.8		8		90				<0.2		1.0	
						6.7	0.0	154	26.4		8.2		31.4		89.2		6.0		15.9		9		89				<0.2		1.2	
IM11	Cloudy	Moderate	14:27	8.0	Surface	1.0	0.1	138	26.3	26.3	8.3	8.3	31.4	31.4	89.1	89.1	6.0	6.1	9.5	11.1	12	12	87	88	822060	811440	<0.2	<0.2	1.0	1.0
						1.0	0.1	134	26.3		8.3		31.4		89.1		6.0		9.4		13		86				<0.2		1.0	
					Middle	4.0	0.1	148	26.3	26.3	8.2	8.2	31.4	31.4	91.0	91.0	6.2		10.5		13		88				<0.2		0.9	
						4.0	0.1	149	26.3		8.2		31.4		91.0		6.2		10.6		12		89				<0.2		1.0	
					Bottom	7.0	0.2	143	26.3	26.3	8.2	8.2	31.4	31.4	89.2	89.3	6.0	6.0	13.4		11		90				<0.2		1.1	
						7.0	0.2	153	26.3		8.2		31.4		89.3		6.0		13.4		11		90				<0.2		1.1	
IM12	Cloudy	Moderate	14:36	8.9	Surface	1.0	0.1	131	26.4	26.4	8.2	8.2	31.3	31.3	88.8	88.8	6.0	6.0	7.9	9.3	12	12	86	88	821442	812066	<0.2	<0.2	1.0	1.1
						1.0	0.2	137	26.4		8.2		31.3		88.8		6.0		7.9		12		87				<0.2		1.2	
					Middle	4.5	0.1	132	26.5	26.5	8.2	8.2	31.4	31.4	88.3	88.3	6.0		8.6		13		87				<0.2		1.2	
						4.5	0.1	134	26.5		8.2		31.4		88.2		6.0		8.6		12		88				<0.2		1.0	
					Bottom	7.9	0.2	159	26.5	26.5	8.2	8.2	31.4	31.4	88.3	88.3	6.0	6.0	11.4		12		89				<0.2		1.0	
						7.9	0.2	161	26.5		8.2		31.4		88.3		6.0		11.4		13		89				<0.2		1.0	
SR1A	Cloudy	Moderate	14:38	4.6	Surface	1.0	-	-	26.4	26.4	8.2	8.2	31.3	31.3	89.5	89.5	6.1	6.1	7.9	8.2	8	9	-	-	819979	812662	-	-	-	-
						1.0	-	-	26.4		8.2		31.3		89.4		6.0		8.0		9		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	26.5	26.5	8.2	8.2	31.4	31.4	88.0	88.0	5.9	5.9	8.3		9		-				-		-	
						3.6	-	-	26.5		8.2		31.4		88.0		5.9		8.4		8		-				-		-	
SR2	Cloudy	Rough	14:52	4.7	Surface	1.0	0.3	41	26.4	26.4	8.3	8.3	31.4	31.4	90.9	90.9	6.1	6.1	7.7	7.9	7	7	87	88	821454	814173	<0.2	<0.2	0.8	0.8
						1.0	0.3	41	26.4		8.3		31.4		90.9		6.1		7.7		7		87				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	14	26.4	26.4	8.3	8.3	31.4	31.4	91.7	91.7	6.2	6.2	8.1		6		89				<0.2		0.8	
						3.7	0.2	14	26.4		8.3		31.4		91.7		6.2		8.0		6		88				<0.2		0.8	
SR3	Cloudy	Moderate	13:54	9.3	Surface	1.0	0.3	143	26.4	26.4	8.2	8.2	29.8	29.8	91.3	91.3	6.2	6.2	7.3	12.2	9	9	-	-	822137	807569	-	-	-	-
						1.0	0.3	145	26.4		8.2		29.8		91.2		6.2		7.3		7		-				-		-	
					Middle	4.7	0.5	165	26.3	26.3	8.2	8.2	30.3	30.3	89.8	89.9	6.1		13.3		9		-				-		-	
						4.7	0.5	170	26.3		8.2		30.3		89.9		6.1		13.3		9		-				-		-	
					Bottom	8.3	0.5	170	26.1	26.1	8.2	8.2	31.8	31.8	90.9	90.9	6.2	6.2	16.1		10		-				-		-	
						8.3	0.6	171	26.1		8.2		31.8		90.9		6.2		15.9		9		-				-		-	
SR4A	Cloudy	Calm	14:52	8.2	Surface	1.0	0.3	108	26.0	26.0	8.2	8.2	31.5	31.5	92.1	92.1	6.3	6.3	11.2	11.5	14	14	-	-	817181	807797	-	-	-	-
						1.0	0.3	112	26.0		8.2		31.5		92.1		6.3		11.2		15		-				-		-	
					Middle	4.1	0.4	87	26.0	26.0	8.2	8.2	31.5	31.5	91.9	91.9	6.2		11.3		14		-				-		-	
						4.1	0.4	89	26.0		8.2		31.5		91.8		6.2		11.3		14		-				-		-	
					Bottom	7.2	0.4	65	26.0	26.0	8.2	8.2	31.5	31.5	91.8	91.9	6.2	6.2	11.9		13		-				-		-	
						7.2	0.4	66	26.0		8.2		31.5		91.9		6.2		12.0		13		-				-		-	
SR5A	Cloudy	Calm	15:07	5.5	Surface	1.0	0.1	12	25.9	25.9	8.2	8.2	30.4	30.4	91.8	92.0	6.3	6.3	7.0	7.1	10	10	-	-	816585	810687	-	-	-	-
						1.0	0.1	12	25.9		8.2		30.4		92.1		6.3		7.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	22	25.9	25.9	8.2	8.2	30.4	30.4	93.7	94.0	6.4	6.5	7.2		10		-				-		-	
						4.5	0.1	23	25.9		8.2		30.4		94.3		6.5		7.2		11		-				-		-	
SR6A	Cloudy	Calm	15:30	4.3	Surface	1.0	0.1	54	26.3	26.3	8.2	8.2	30.5	30.5	91.0	91.1	6.2	6.2	6.7	6.9	7	7	-	-	817949	814745	-	-	-	-
						1.0	0.1	57	26.3		8.2		30.5		91.2		6.2		6.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	60	26.3	26.3	8.2	8.2	30.5	30.5	93.8	96.0	6.4	6.6	7.0		6		-				-		-	
						3.3	0.1	65	26.3		8.2		30.5		98.1		6.7		7.0		8		-				-		-	
SR7	Cloudy	Rough	15:50	15.5	Surface	1.0	0.7	73	27.1	27.1	8.1	8.1	32.6	32.6	85.5	85.5	5.7	5.7	4.7	6.6	7	7	-	-	823618	823763	-	-	-	-
						1.0	0.7	79	27.1		8.1		32.6		85.5		5.7		4.7		6		-				-		-	
					Middle	7.8	0.3	62	26.9	26.9	8.1	8.1	32.8	32.8	84.5	84.5	5.6		6.7		6		-				-		-	
						7.8	0.3	65	26.9		8.1		32.8		84.5		5.6		6.8		7		-				-		-	
					Bottom	14.5	0.1	330	26.9	26.9	8.1	8.1	32.9	32.9	84.2	84.2	5.6	5.6	8.3		8		-				-		-	
						14.5	0.1	355	26.9		8.1		32.9		84.1		5.6		8.4		7		-				-		-	
SR8	Cloudy	Moderate	14:38	5.2	Surface	1.0	-	-	26.4	26.4	8.2	8.2	31.3	31.3	90.5	90.5	6.1	6.1	7.9	8.2	10	10	-	-	820382	811604	-	-	-	-
						1.0	-	-	26.4		8.2		31.3		90.5		6.1		8.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	26.5	26.5	8.2	8.2	31.4	31.4	89.5	89.5	6.0	6.0	8.5		12		-				-		-	
						4.2	-	-	26.5		8.2		31.4		89.5		6.0		8.4		11		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 October 19 during Mid-Flood Tide

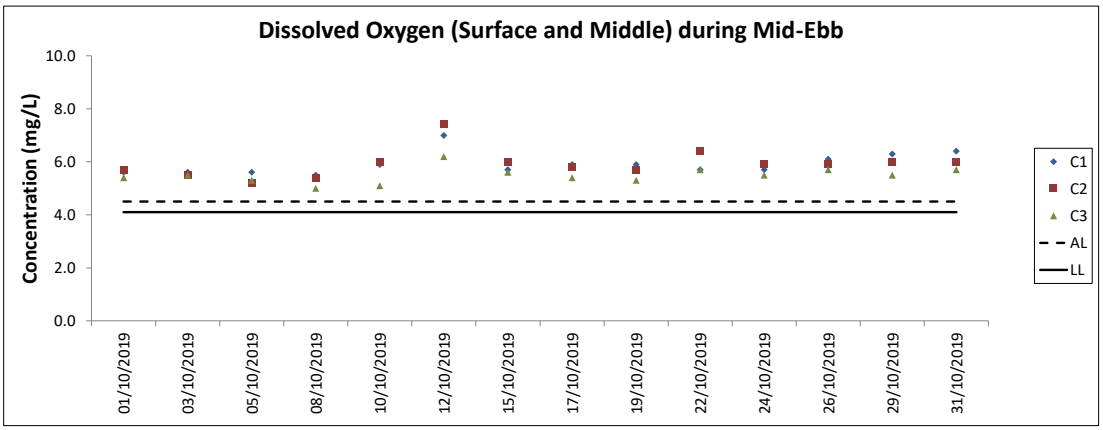
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	09:50	8.1	Surface	1.0	0.4	33	26.0	26.0	8.2	8.2	31.4	31.4	91.0	91.0	6.2	6.2	10.3	14.9	13	14	87	89	815615	804259	<0.2	<0.2	0.8	0.7
						1.0	0.4	33	26.0		8.2		31.4		90.9		6.2		10.4		12		87				<0.2		0.6	
					Middle	4.1	0.7	42	26.1	26.1	8.2	8.2	31.8	31.8	90.3	90.3	6.1		13.9		14		89				<0.2		0.7	
						4.1	0.7	43	26.1		8.2		31.8		90.3		6.1		13.8		15		89				<0.2		0.7	
					Bottom	7.1	0.6	50	26.1	26.1	8.2	8.2	31.8	31.8	89.9	89.9	6.1	6.1	20.7		15		90				<0.2		0.7	
						7.1	0.7	50	26.1		8.2		31.8		89.9		6.1		20.7		16		91				<0.2		0.7	
C2	Cloudy	Rough	10:41	11.8	Surface	1.0	0.3	332	26.4	26.4	8.2	8.2	29.5	29.5	90.2	90.2	6.2	6.1	6.5	10.3	9	9	86	87	825667	806934	<0.2	<0.2	0.8	0.8
						1.0	0.3	305	26.4		8.2		29.5		90.1		6.2		6.5		10		86				<0.2		0.7	
					Middle	5.9	0.4	4	26.4	26.4	8.3	8.3	29.7	29.7	87.0	87.0	5.9		10.2		8		87				<0.2		0.8	
						5.9	0.4	4	26.4		8.3		29.7		87.0		5.9		10.4		9		87				<0.2		0.9	
					Bottom	10.8	0.3	21	26.3	26.3	8.3	8.3	30.2	30.2	87.5	87.5	6.0	6.0	14.2		8		89				<0.2		0.8	
						10.8	0.3	21	26.3		8.3		30.2		87.5		6.0		14.0		8		88				<0.2		0.7	
C3	Cloudy	Rough	08:46	11.3	Surface	1.0	0.6	254	26.6	26.6	8.1	8.1	31.5	31.5	87.7	87.7	5.9	5.9	7.7	12.0	10	10	87	89	822096	817787	<0.2	<0.2	0.7	0.8
						1.0	0.7	254	26.6		8.1		31.5		87.7		5.9		7.7		9		86				<0.2		0.8	
					Middle	5.7	0.7	260	26.6	26.6	8.0	8.0	31.6	31.6	87.1	87.1	5.9		11.1		9		89				<0.2		0.8	
						5.7	0.8	285	26.6		8.0		31.6		87.1		5.9		11.2		10		88				<0.2		0.7	
					Bottom	10.3	0.5	266	26.7	26.7	8.0	8.0	31.7	31.7	87.8	87.8	5.9	5.9	17.0		10		91				<0.2		0.8	
						10.3	0.5	282	26.7		8.0		31.7		87.8		5.9		17.0		9		91				<0.2		0.7	
IM1	Cloudy	Calm	10:18	5.3	Surface	1.0	0.3	19	26.0	26.0	8.2	8.2	31.7	31.7	91.8	91.8	6.2	6.2	9.6	9.8	10	11	87	88	817939	807152	<0.2	<0.2	0.8	0.7
						1.0	0.3	19	26.0		8.2		31.7		91.8		6.2		9.6		11		87				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	10	26.0	26.0	8.2	8.2	31.8	31.8	92.4	92.6	6.3	6.3	10.1		12		88				<0.2		0.7	
						4.3	0.3	10	26.0		8.2		31.8		92.8		6.3		10.1		12		89				<0.2		0.7	
IM2	Cloudy	Moderate	10:26	7.0	Surface	1.0	0.5	20	26.0	26.0	8.2	8.2	31.2	31.2	91.0	91.0	6.2	6.2	8.7	12.1	12	13	88	89	818139	806157	<0.2	<0.2	0.8	0.8
						1.0	0.5	21	26.0		8.2		31.2		90.9		6.2		8.7		11		88				<0.2		0.8	
					Middle	3.5	0.4	18	26.1	26.1	8.2	8.2	31.4	31.4	90.4	90.4	6.1		13.2		13		89				<0.2		0.7	
						3.5	0.4	19	26.1		8.2		31.4		90.4		6.1		13.2		12		89				<0.2		0.7	
					Bottom	6.0	0.4	12	26.1	26.1	8.2	8.2	31.5	31.5	89.6	89.5	6.1	6.1	14.5		14		90				<0.2		0.7	
						6.0	0.4	12	26.1		8.2		31.5		89.4		6.1		14.3		13		90				<0.2		0.8	
IM3	Cloudy	Moderate	10:30	7.3	Surface	1.0	0.5	13	25.9	25.9	8.2	8.2	30.9	30.9	91.5	91.5	6.3	6.2	9.1	12.5	11	12	87	89	818772	805606	<0.2	<0.2	0.8	0.9
						1.0	0.5	13	25.9		8.2		30.9		91.5		6.2		9.2		10		88				<0.2		0.9	
					Middle	3.7	0.4	8	26.1	26.1	8.2	8.2	31.4	31.4	91.3	91.4	6.2		15.2		13		88				<0.2		0.8	
						3.7	0.4	8	26.1		8.2		31.4		91.4		6.2		15.3		12		89				<0.2		0.9	
					Bottom	6.3	0.3	7	26.1	26.1	8.2	8.2	31.5	31.5	94.0	94.2	6.4	6.4	13.1		13		90				<0.2		0.8	
						6.3	0.3	7	26.1		8.2		31.5		94.3		6.4		13.4		14		90				<0.2		0.9	
IM4	Cloudy	Moderate	10:37	7.6	Surface	1.0	0.8	342	25.9	25.9	8.2	8.2	30.7	30.7	91.1	91.1	6.2	6.2	12.3	13.3	12	13	88	89	819720	804592	<0.2	<0.2	0.8	0.8
						1.0	0.9	354	25.9		8.2		30.7		91.1		6.2		12.3		13		88				<0.2		0.8	
					Middle	3.8	0.7	354	26.0	26.0	8.2	8.2	30.9	30.9	90.1	90.1	6.1		13.7		13		88				<0.2		0.8	
						3.8	0.7	326	26.0		8.2		30.9		90.1		6.1		13.6		14		89				<0.2		0.7	
					Bottom	6.6	0.6	350	26.1	26.1	8.2	8.2	31.3	31.3	91.3	91.4	6.2	6.2	14.0		14		90				<0.2		0.8	
						6.6	0.6	322	26.1		8.2		31.3		91.5		6.2		14.1		14		90				<0.2		1.0	
IM5	Cloudy	Moderate	10:43	6.9	Surface	1.0	1.0	15	26.0	26.0	8.1	8.1	30.8	30.8	90.4	90.4	6.2	6.2	12.6	14.5	15	15	87	88	820745	804878	<0.2	<0.2	0.8	0.8
						1.0	1.1	15	26.0		8.1		30.9		90.4		6.2		12.5		16		87				<0.2		0.8	
					Middle	3.5	0.9	17	26.0	26.1	8.1	8.1	31.0	31.1	90.9	91.0	6.2		14.7		14		88				<0.2		0.7	
						3.5	1.0	18	26.1		8.1		31.1		91.0		6.2		14.7		15		88				<0.2		0.7	
					Bottom	5.9	0.7	21	26.1	26.1	8.1	8.1	31.2	31.2	93.3	93.5	6.3	6.4	16.3		14		90				<0.2		0.7	
						5.9	0.8	23	26.1		8.1		31.2		93.7		6.4		16.4		14		90				<0.2		0.8	
IM6	Cloudy	Moderate	10:47	7.1	Surface	1.0	0.1	151	26.0	26.0	8.2	8.2	31.0	31.0	91.0	91.1	6.2	6.2	11.6	12.6	16	15	88	89	821050	805813	<0.2	<0.2	0.8	0.8
						1.0	0.1	157	26.0		8.2		31.0		91.1		6.2		11.7		15		88				<0.2		0.7	
					Middle	3.6	0.1	121	26.0	26.0	8.2	8.2	31.1	31.1	91.4	91.4	6.2		12.6		16		89				<0.2		0.8	
						3.6	0.1	127	26.0		8.2		31.1		91.4		6.2		12.5		16		89				<0.2		0.8	
					Bottom	6.1	0.2	100	26.0	26.0	8.2	8.2	31.1	31.1	92.1	92.2	6.3	6.3	13.4		15		90				<0.2		0.8	
						6.1	0.2	102	26.0		8.2		31.1		92.3		6.3		13.4		14		90				<0.2		0.8	
IM7	Cloudy	Moderate	11:00	7.5	Surface	1.0	0.1	177	26.0	26.0	8.2	8.2	31.0	31.0	90.5	90.5	6.2	6.2	11.8	12.5	14	14	88	89	821361	806824	<0.2	<0.2	0.7	0.7
						1.0	0.1	186	26.0		8.2		31.0		90.4		6.2		12.0		14		88				<0.2		0.7	
					Middle	3.8	0.2	98	26.0	26.0	8.2	8.2	31.1	31.1	90.3	90.3	6.2		13.1		13		89				<0.2		0.7	
						3.8	0.3	107	26.0		8.2		31.1		90.3		6.2		13.2		14		89				<0.2		0.8	
					Bottom	6.5	0.5	90	26.0	26.0	8.2	8.2	31.1	31.1	90.6	90.7	6.2	6.2	12.5		15		90				<0.2		0.8	
						6.5	0.5	96	26.0		8.2		31.1		90.7		6.2		12.2		14		90				<0.2		0.7	
IM8	Cloudy	Moderate	10:13	7.8	Surface	1.0	0.3	93	26.4	26.4	8.3	8.2	30.0	30.0	88.1	88.1	6.0	6.0	9.4	10.7	12	12	85	87	821817	808145	<0.2	<0.2	1.0	0.9
						1.0	0.3	96	26.4		8.2		30.0		88.1		6.0		9.4		13		86				<0.2		0.8	
					Middle	3.9	0.3	95	26.4	26.4	8.2	8.2	30.0	30.0	88.3	88.3	6.0		10.7		12		87				<0.2		0.9	
						3.9	0.3	97	26.4		8.2		30.0		88.3		6.0		10.7		12		87				<0.2		0.8	
					Bottom	6.8	0.2	121	26.2	26.2	8.2	8.2	30.4	30.4	89.3	89.3	6.1	6.1	11.9		12		88				<0.2		0.9	
						6.8	0.2	132	26.2		8.2		30.4		89.2		6.1		11.9		13		89				<0.2		0.8	

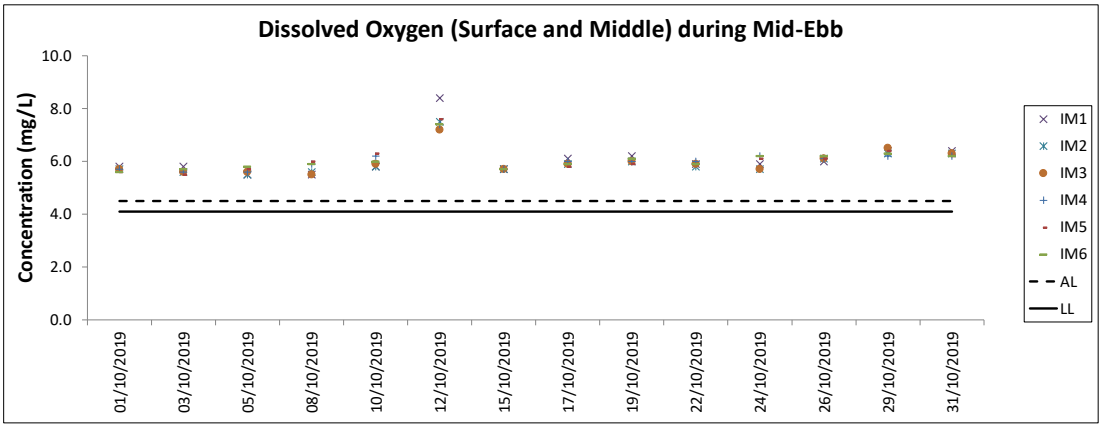
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 31 October 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:06	7.9	Surface	1.0	0.4	46	26.3	26.3	8.3	8.3	30.2	30.2	90.5	90.5	6.2	6.2	10.1	13.3	12	13	86	87	822094	808832	<0.2	<0.2	0.8	0.8
						1.0	0.4	46	26.3		8.3		30.2		90.4		6.2		10.1		13		85				<0.2		0.8	
					Middle	4.0	0.3	51	26.2	26.2	8.3	8.3	30.4	30.4	89.8	89.8	6.1		10.7		13		87				<0.2		0.8	
						4.0	0.3	55	26.2		8.3		30.4		89.7		6.1		10.8		14		86				<0.2		0.8	
					Bottom	6.9	0.3	48	26.0	26.0	8.3	8.3	31.0	31.0	94.2	94.2	6.4	6.4	18.9		14		88				<0.2		0.8	
						6.9	0.3	49	26.0		8.3		31.0		94.2		6.4		18.9		14		89				<0.2		0.8	
IM10	Cloudy	Moderate	09:58	8.2	Surface	1.0	0.5	316	26.2	26.2	8.3	8.3	31.2	31.2	90.2	90.2	6.1	6.1	10.3	11.5	12	12	86	87	822389	809813	<0.2	<0.2	0.8	0.8
						1.0	0.6	333	26.2		8.3		31.2		90.2		6.1		10.3		11		86				<0.2		0.8	
					Middle	4.1	0.5	318	26.2	26.2	8.3	8.3	31.2	31.2	90.0	90.0	6.1		11.4		12		87				<0.2		0.8	
						4.1	0.5	326	26.2		8.3		31.2		89.9		6.1		11.5		12		86				<0.2		0.8	
					Bottom	7.2	0.4	300	26.2	26.2	8.3	8.3	31.2	31.2	89.8	89.9	6.1	6.1	12.8		12		88				<0.2		0.7	
						7.2	0.4	325	26.2		8.3		31.2		89.9		6.1		12.9		11		89				<0.2		0.8	
IM11	Cloudy	Moderate	09:45	8.1	Surface	1.0	0.7	309	26.3	26.3	8.3	8.3	31.2	31.2	96.4	96.4	6.5	6.3	14.4	16.6	17	16	85	87	822062	811460	<0.2	<0.2	0.7	0.7
						1.0	0.7	315	26.3		8.3		31.2		96.4		6.5		14.4		16		86				<0.2		0.7	
					Middle	4.1	0.5	310	26.3	26.3	8.2	8.2	31.2	31.2	88.8	88.8	6.0		16.4		16		86				<0.2		0.6	
						4.1	0.5	331	26.3		8.2		31.2		88.8		6.0		16.5		16		87				<0.2		0.5	
					Bottom	7.1	0.4	287	26.3	26.3	8.2	8.2	31.2	31.2	88.9	88.9	6.0	6.0	19.0		16		88				<0.2		0.7	
						7.1	0.4	302	26.3		8.2		31.2		88.9		6.0		18.8		16		88				<0.2		0.7	
IM12	Cloudy	Moderate	09:39	8.3	Surface	1.0	0.8	270	26.4	26.4	8.3	8.3	31.5	31.5	88.4	88.4	6.0	6.0	16.0	18.6	20	21	86	87	821467	812063	<0.2	<0.2	0.7	0.7
						1.0	0.8	284	26.4		8.3		31.5		88.4		6.0		16.0		21		85				<0.2		0.6	
					Middle	4.2	0.7	277	26.4	26.4	8.2	8.2	31.5	31.5	88.3	88.3	6.0		18.8		20		87				<0.2		0.7	
						4.2	0.8	293	26.4		8.2		31.5		88.3		6.0		18.8		20		87				<0.2		0.7	
					Bottom	7.3	0.6	271	26.4	26.4	8.2	8.2	31.5	31.5	88.2	88.2	6.0	6.0	21.0		22		89				<0.2		0.7	
						7.3	0.6	271	26.4		8.2		31.5		88.2		6.0		20.9		22		89				<0.2		0.7	
SR1A	Cloudy	Moderate	09:18	4.6	Surface	1.0	-	-	26.2	26.2	8.2	8.2	30.9	30.9	87.0	87.0	5.9	5.9	7.0	8.0	16	14	-	-	819973	812660	-	-	-	-
						1.0	-	-	26.2		8.2		30.9		87.0		5.9		7.0		15		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	26.2	26.2	8.1	8.1	31.0	31.0	87.9	87.9	6.0	6.0	9.0		13		-				-		-	
						3.6	-	-	26.2		8.1		31.0		87.8		6.0		9.0		12		-				-		-	
SR2	Cloudy	Moderate	09:05	4.3	Surface	1.0	0.5	321	26.3	26.3	8.2	8.2	31.4	31.4	89.1	89.1	6.0	6.0	16.0	16.6	18	19	86	87	821447	814152	<0.2	<0.2	0.7	0.7
						1.0	0.6	343	26.3		8.2		31.4		89.1		6.0		16.1		18		86				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.4	317	26.3	26.3	8.2	8.2	31.4	31.4	92.8	92.9	6.3	6.3	17.0		20		88				<0.2		0.7	
						3.3	0.4	338	26.3		8.2		31.4		92.9		6.3		17.2		19		87				<0.2		0.7	
SR3	Cloudy	Rough	10:20	9.5	Surface	1.0	0.2	50	26.3	26.3	8.2	8.2	29.7	29.7	88.9	88.9	6.1	6.1	9.3	13.2	10	10	-	-	822162	807594	-	-	-	-
						1.0	0.2	53	26.3		8.2		29.7		88.8		6.1		9.5		10		-				-		-	
					Middle	4.8	0.4	68	26.3	26.3	8.2	8.2	30.2	30.2	88.5	88.5	6.0		13.5		10		-				-		-	
						4.8	0.5	72	26.3		8.2		30.2		88.5		6.0		13.5		10		-				-		-	
					Bottom	8.5	0.3	67	26.1	26.1	8.2	8.2	31.8	31.8	90.4	90.4	6.1	6.1	16.7		11		-				-		-	
						8.5	0.3	70	26.1		8.2		31.8		90.4		6.1		16.8		11		-				-		-	
SR4A	Cloudy	Calm	09:30	8.4	Surface	1.0	0.1	22	26.0	26.0	8.2	8.2	31.4	31.4	91.0	91.0	6.2	6.2	11.6	15.0	16	16	-	-	817198	807794	-	-	-	-
						1.0	0.1	23	26.0		8.2		31.5		91.0		6.2		11.7		15		-				-		-	
					Middle	4.2	0.0	276	26.1	26.1	8.2	8.2	31.8	31.8	90.7	90.7	6.1		13.3		15		-				-		-	
						4.2	0.0	294	26.1		8.2		31.8		90.7		6.1		13.1		15		-				-		-	
					Bottom	7.4	0.1	88	26.1	26.1	8.2	8.2	31.8	31.8	90.8	90.9	6.2	6.2	20.1		16		-				-		-	
						7.4	0.1	96	26.1		8.2		31.8		90.9		6.2		20.2		16		-				-		-	
SR5A	Cloudy	Calm	09:16	5.2	Surface	1.0	0.2	241	25.9	25.9	8.1	8.1	30.2	30.2	86.4	86.4	5.9	5.9	9.9	10.7	12	13	-	-	816579	810688	-	-	-	-
						1.0	0.2	242	25.9		8.1		30.2		86.4		5.9		10.0		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	254	25.9	25.9	8.1	8.1	30.2	30.2	86.7	86.8	5.9	6.0	11.4		13		-				-		-	
						4.2	0.2	255	25.9		8.1		30.2		86.9		6.0		11.4		14		-				-		-	
SR6A	Cloudy	Calm	08:51	4.6	Surface	1.0	0.1	219	26.2	26.2	8.0	8.0	30.1	30.1	83.7	83.8	5.7	5.7	8.6	9.5	9	8	-	-	817958	814762	-	-	-	-
						1.0	0.1	234	26.2		8.0		30.1		83.8		5.7		8.6		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	224	26.1	26.1	8.0	8.0	30.1	30.1	84.4	84.5	5.8	5.8	10.5		7		-				-		-	
						3.6	0.1	235	26.1		8.0		30.1		84.6		5.8		10.4		7		-				-		-	
SR7	Cloudy	Rough	08:16	16.0	Surface	1.0	0.2	133	26.8	26.8	8.0	8.0	32.1	32.1	84.6	84.6	5.7	5.7	8.9	10.6	11	11	-	-	823617	823727	-	-	-	-
						1.0	0.2	143	26.8		8.0		32.1		84.6		5.7		8.9		10		-				-		-	
					Middle	8.0	0.4	282	26.8	26.8	7.9	7.9	32.1	32.1	84.3	84.4	5.6		10.0		11		-				-		-	
						8.0	0.4	284	26.8		7.9		32.1		84.4		5.6		10.0		10		-				-		-	
					Bottom	15.0	0.3	265	26.8	26.8	8.0	8.0	32.1	32.1	83.7	83.7	5.6	5.6	12.9		12		-				-		-	
						15.0	0.4	267	26.8		8.0		32.1		83.7		5.6		12.9		13		-				-		-	
SR8	Cloudy	Moderate	09:29	4.9	Surface	1.0	-	-	26.8	26.8	8.2	8.2	31.0	31.0	92.5	92.5	6.2	6.2	14.5	12.7	17	18	-	-	820375	811605	-	-	-	-
						1.0	-	-	26.8		8.2		31.0		92.4		6.2		14.4		17		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	26.3	26.3	8.2	8.2	31.2	31.2	90.3	90.3	6.1	6.1	10.9		19		-				-		-	
						3.9	-	-	26.3		8.2		31.2		90.3		6.1		10.9		18		-				-		-	

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


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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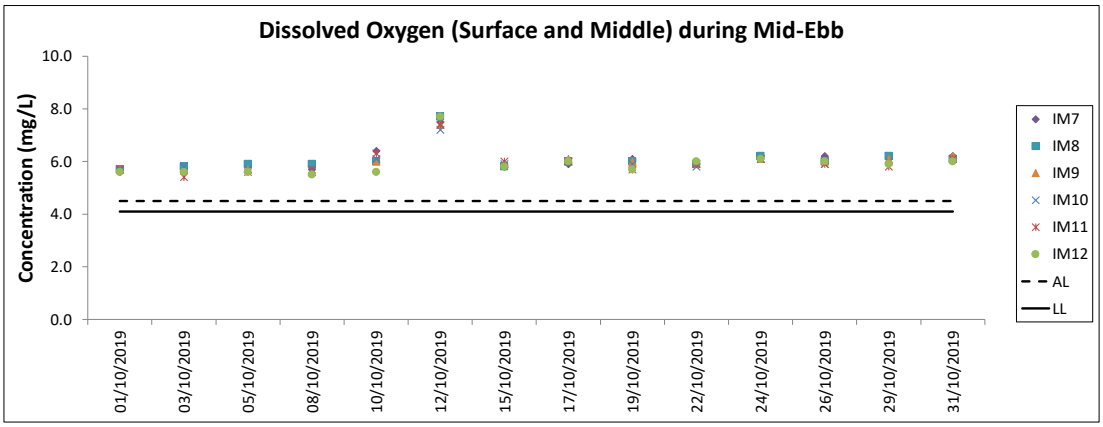
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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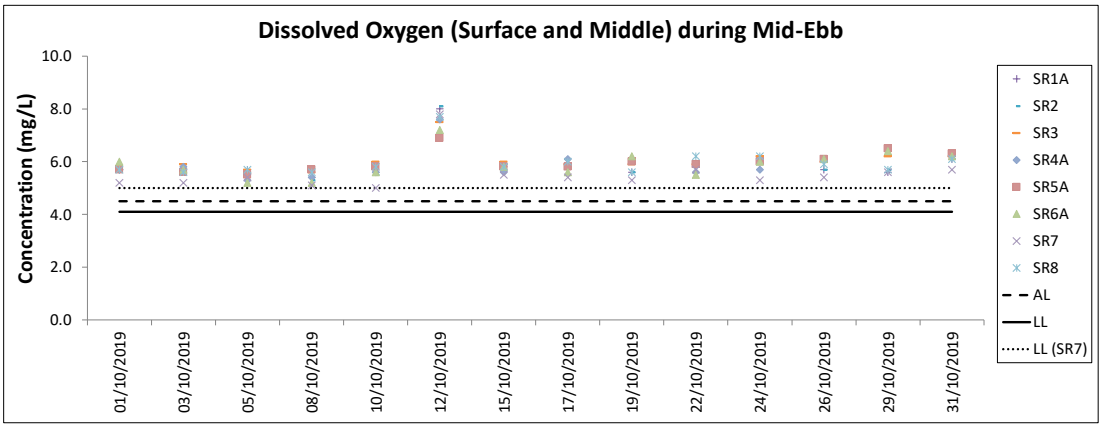
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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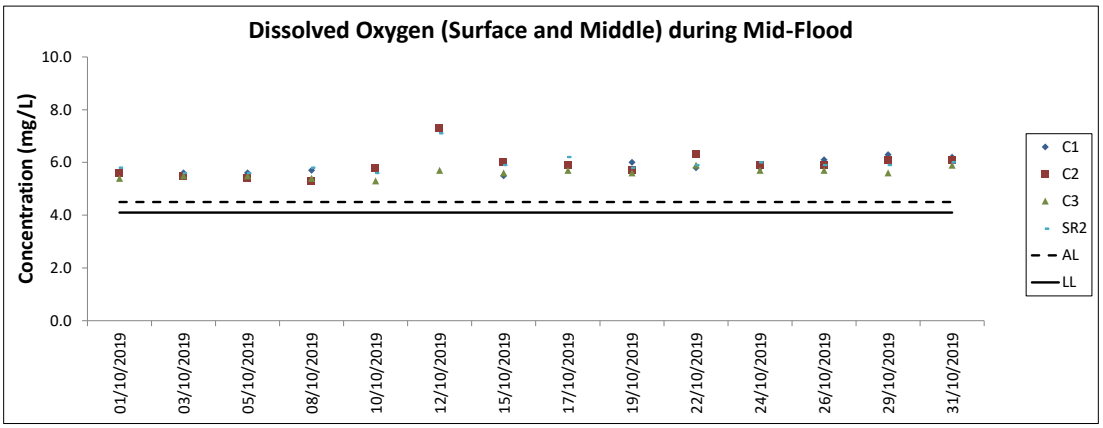
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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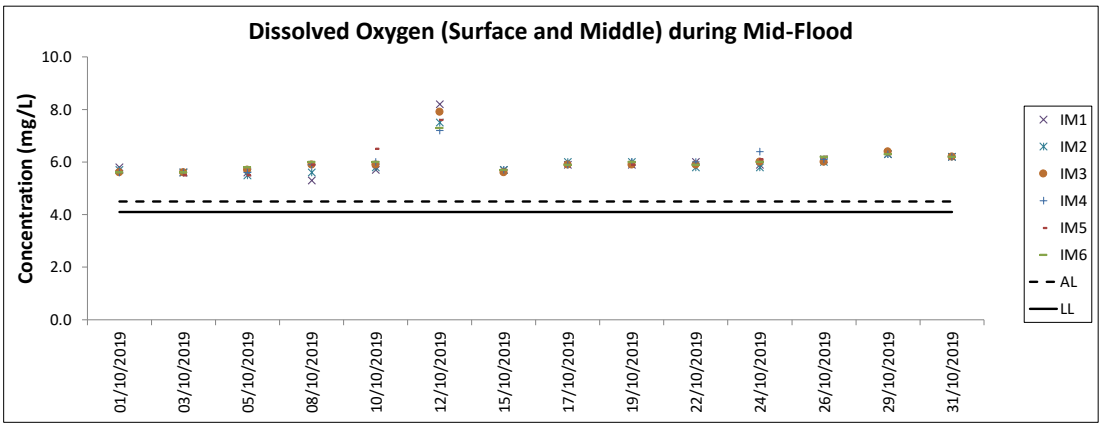
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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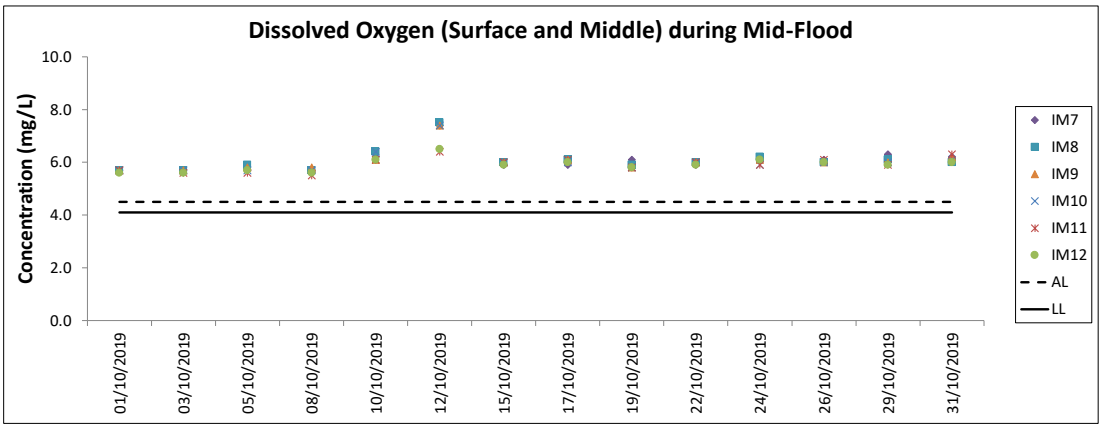
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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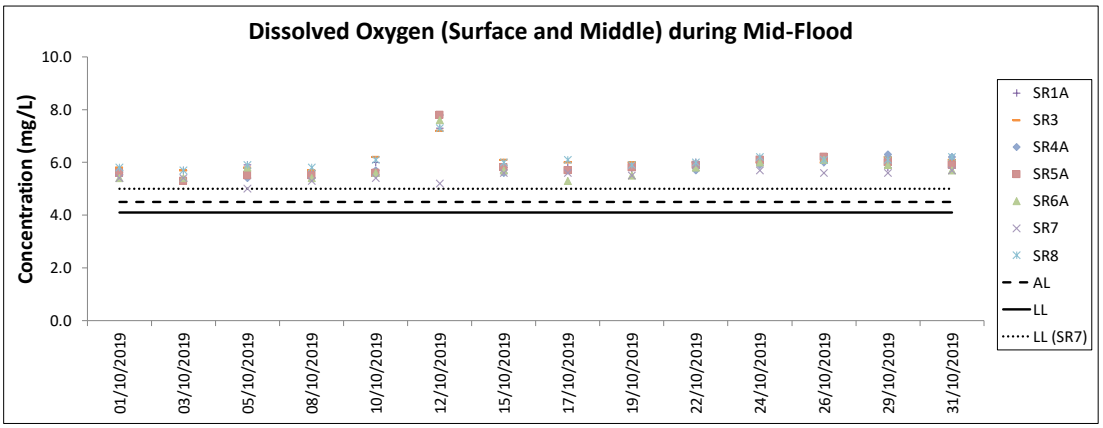
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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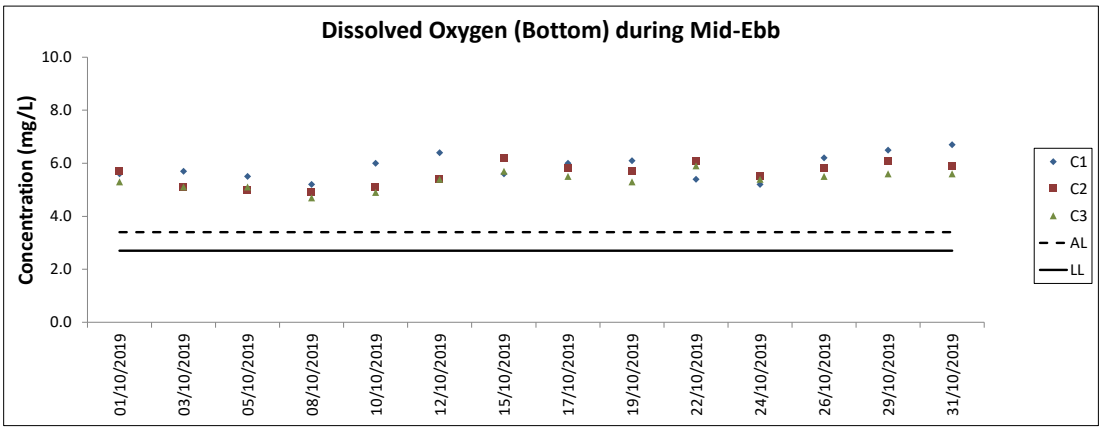
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
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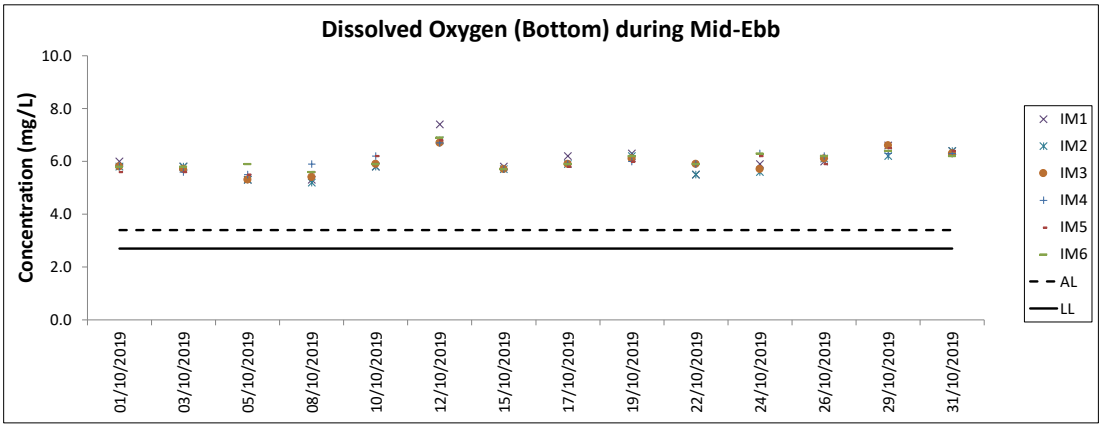
26/10/2019
29/10/2019
31/10/2019
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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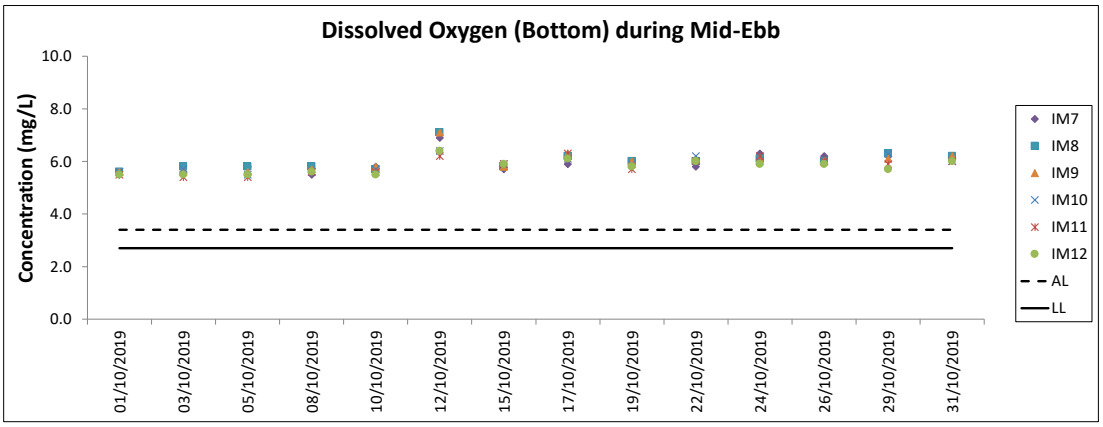
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
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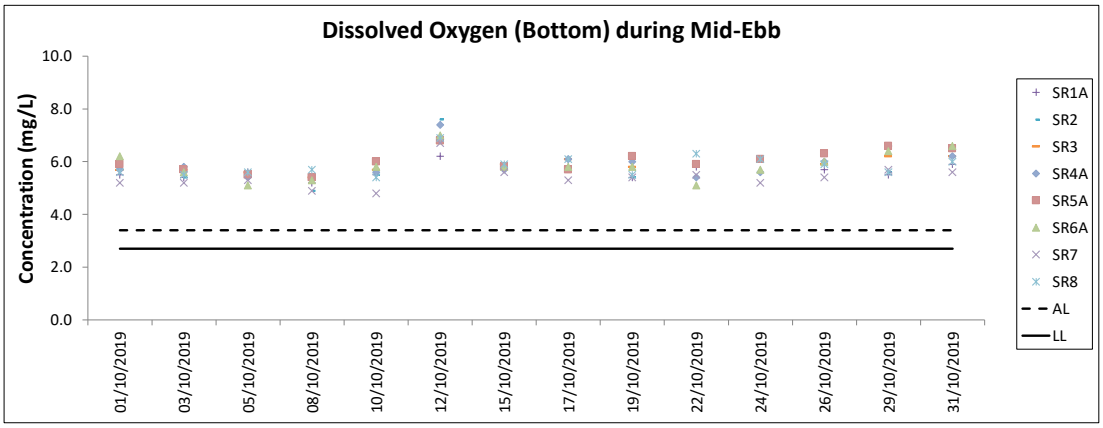
29/10/2019
31/10/2019
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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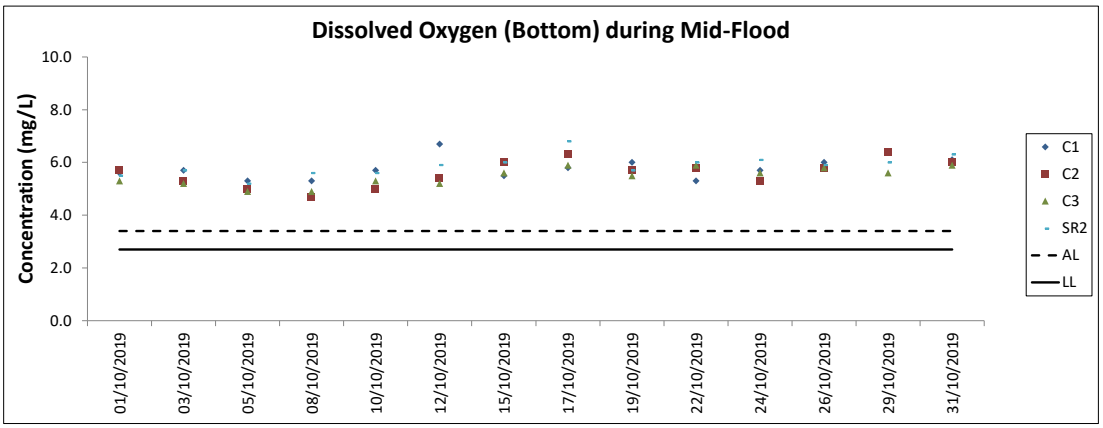
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
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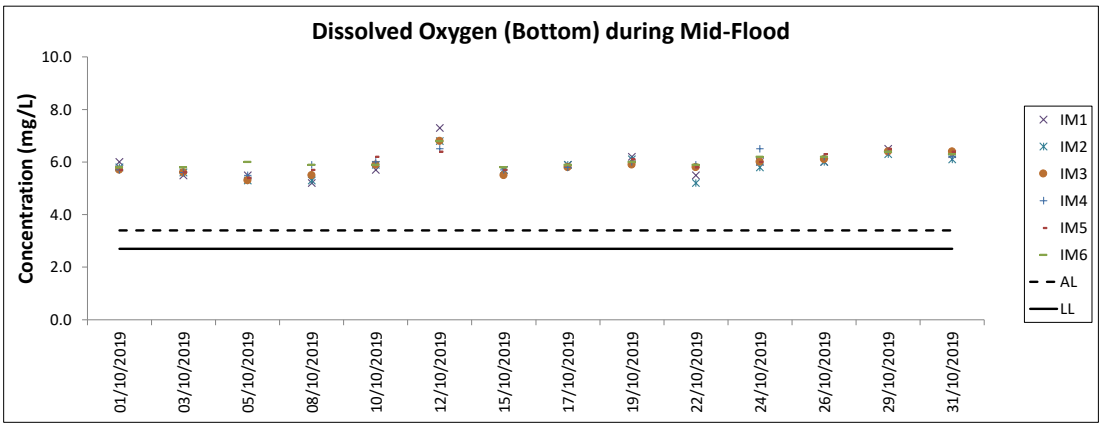
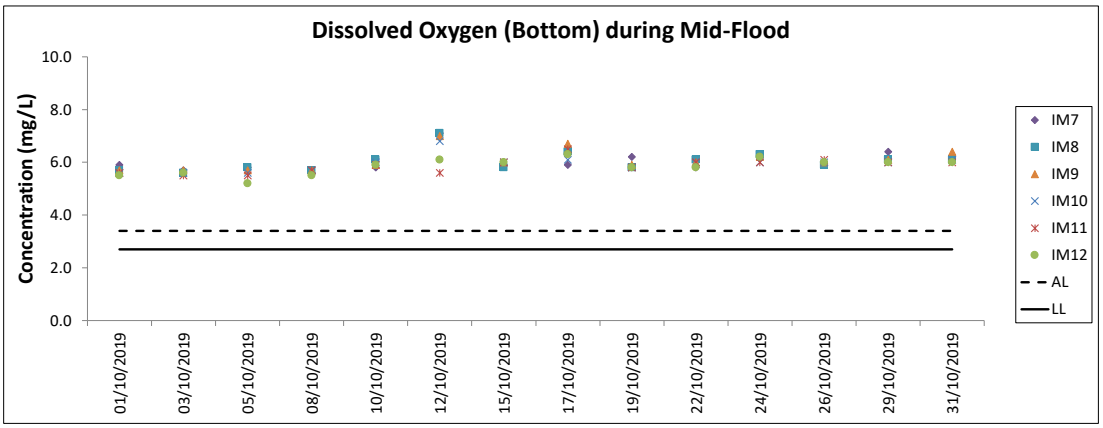
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
26/10/2019
29/10/2019
31/10/2019
IM1
IM2
IM3
IM4
IM5
IM6
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
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
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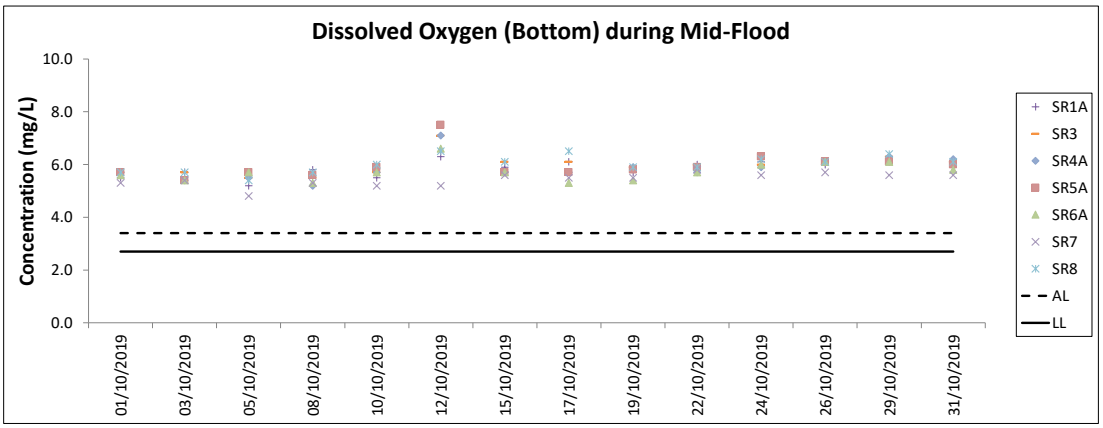
29/10/2019
31/10/2019
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
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8.0
6.0
4.0
2.0
0.0
01/10/2019
03/10/2019
05/10/2019
08/10/2019
10/10/2019
12/10/2019
15/10/2019
17/10/2019
19/10/2019
22/10/2019
24/10/2019
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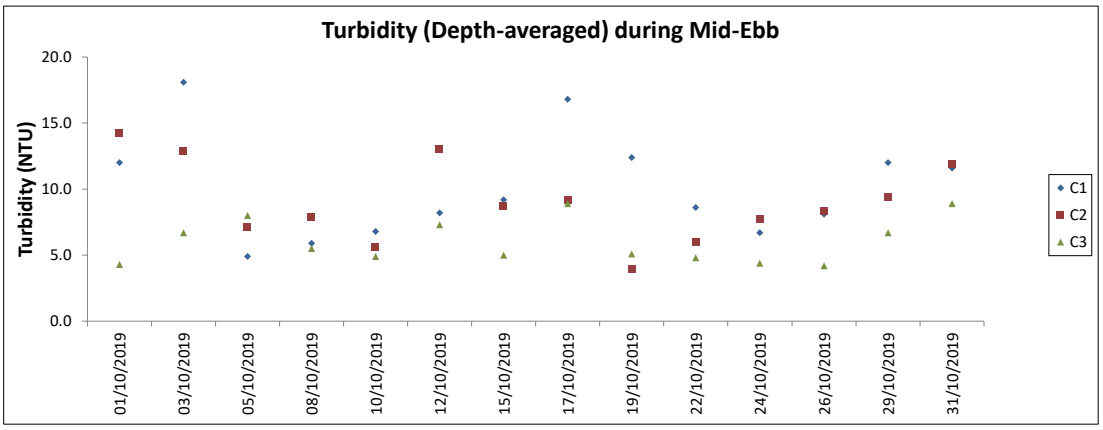
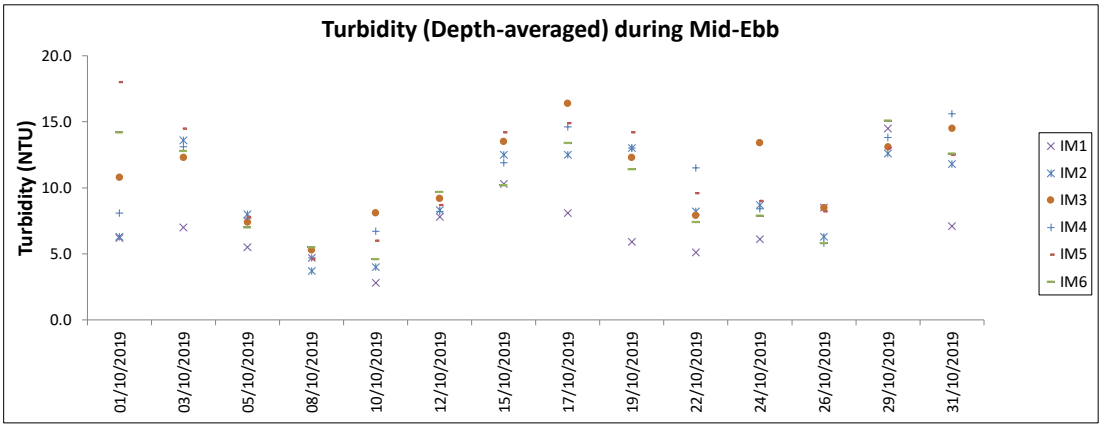
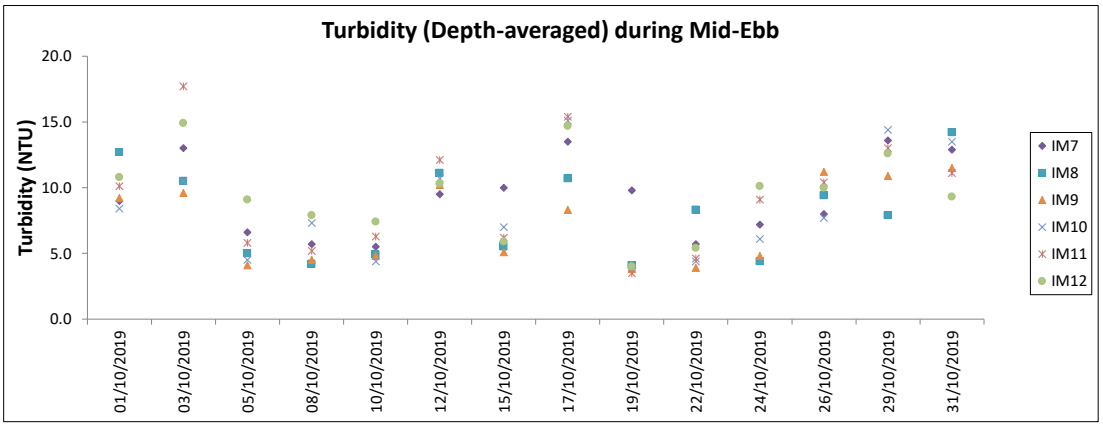
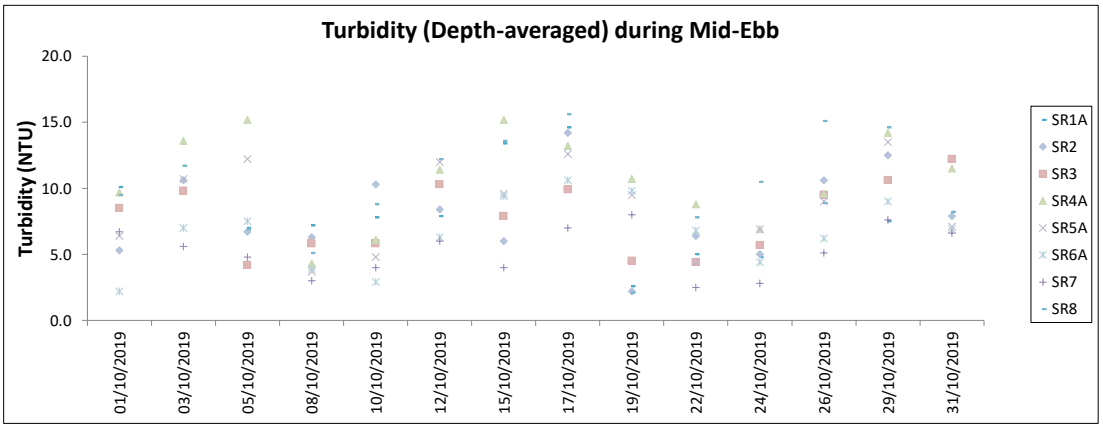
31/10/2019
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL

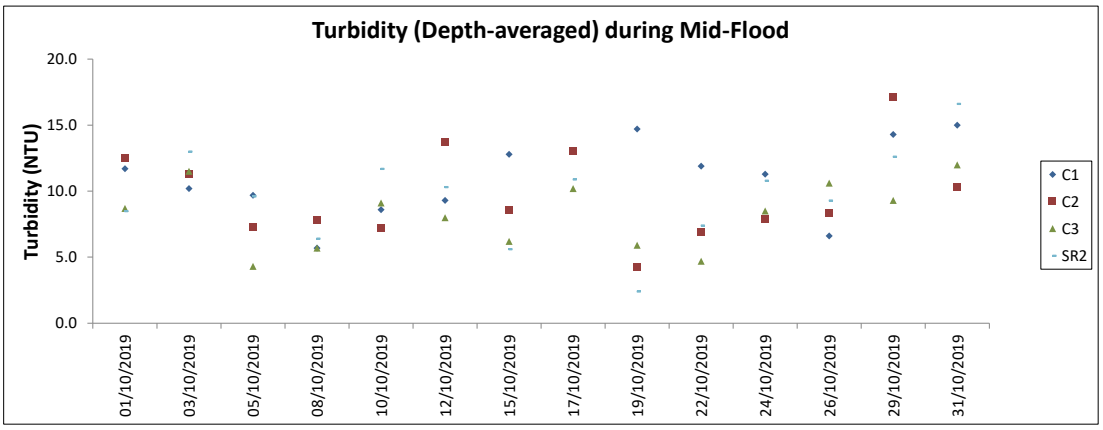


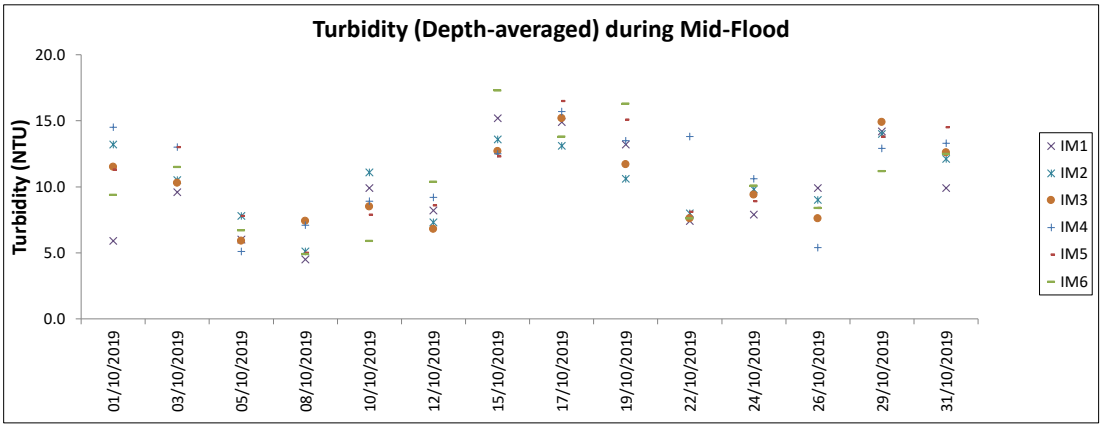


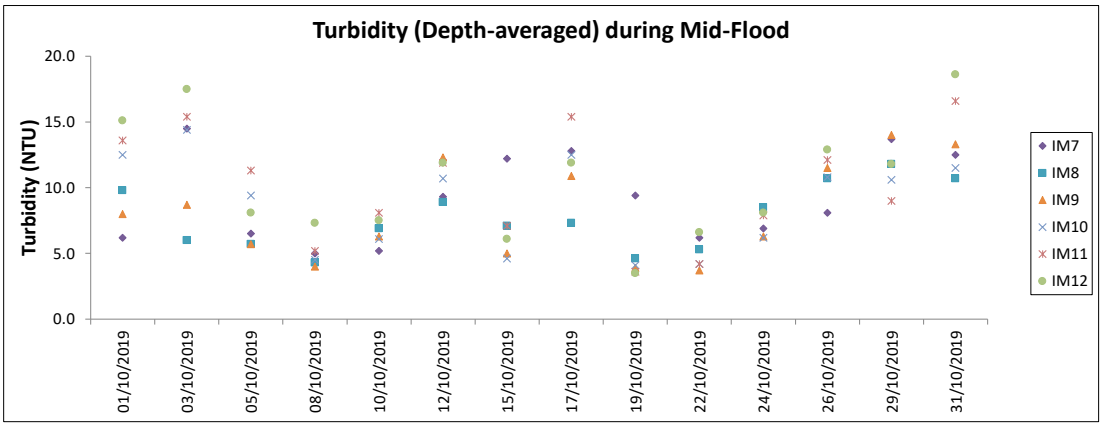


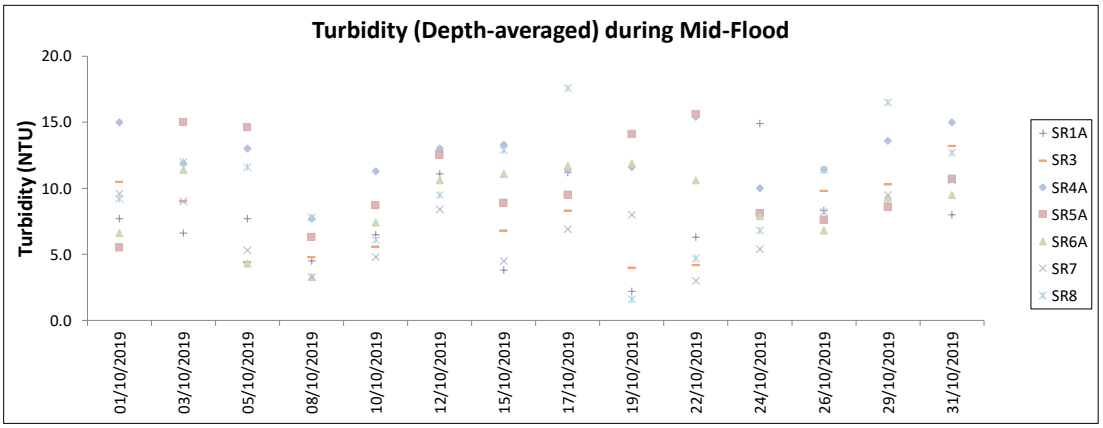


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

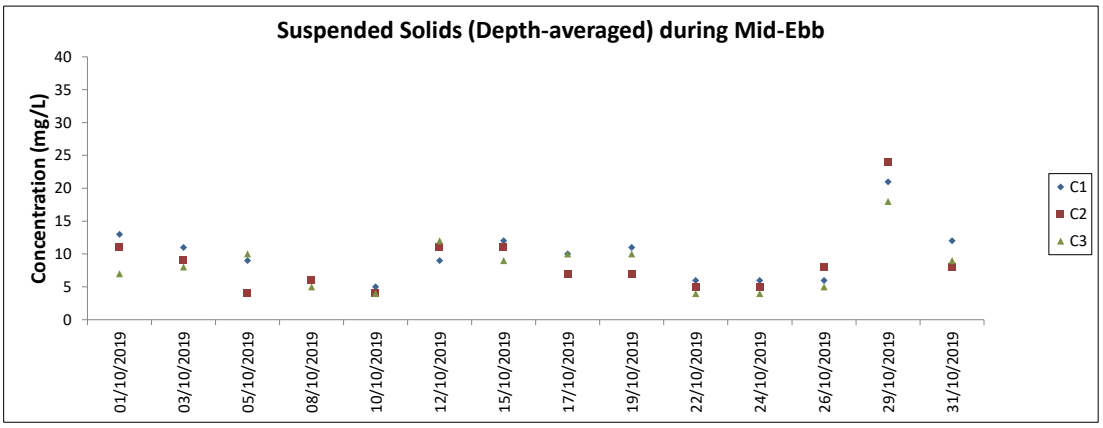


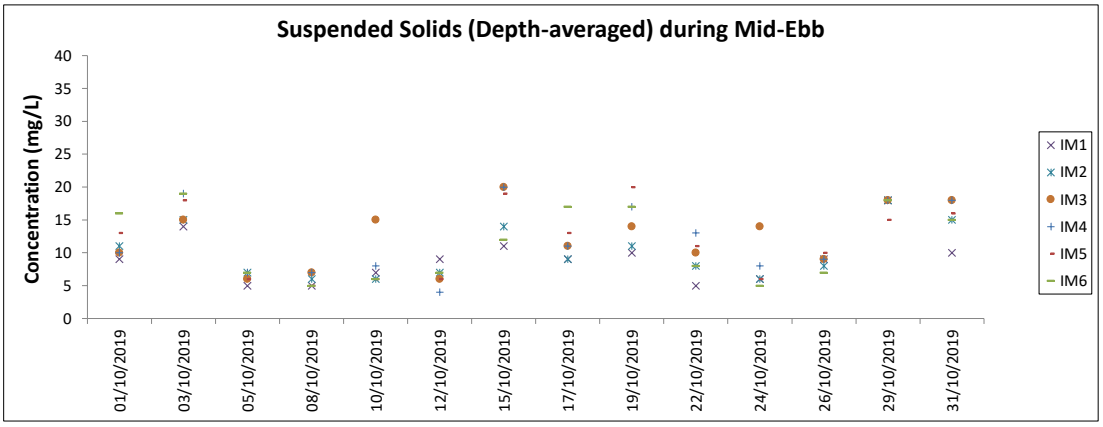


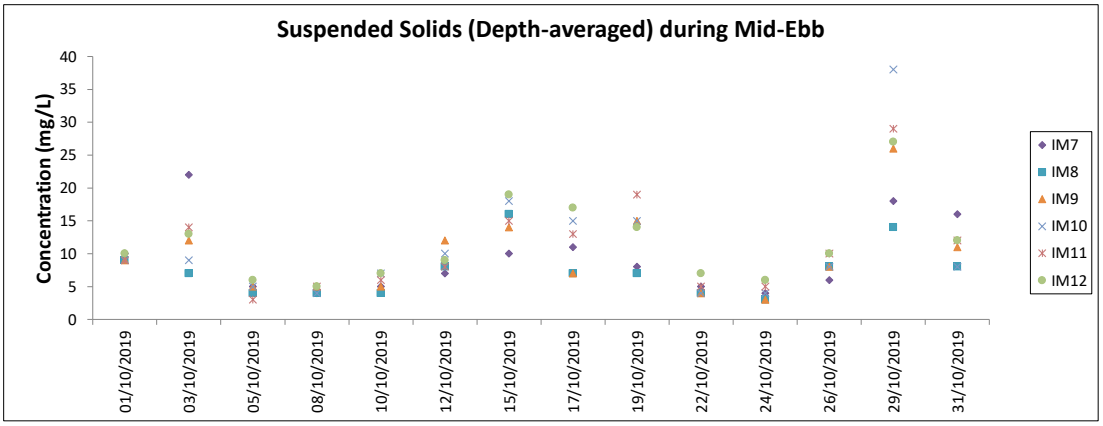


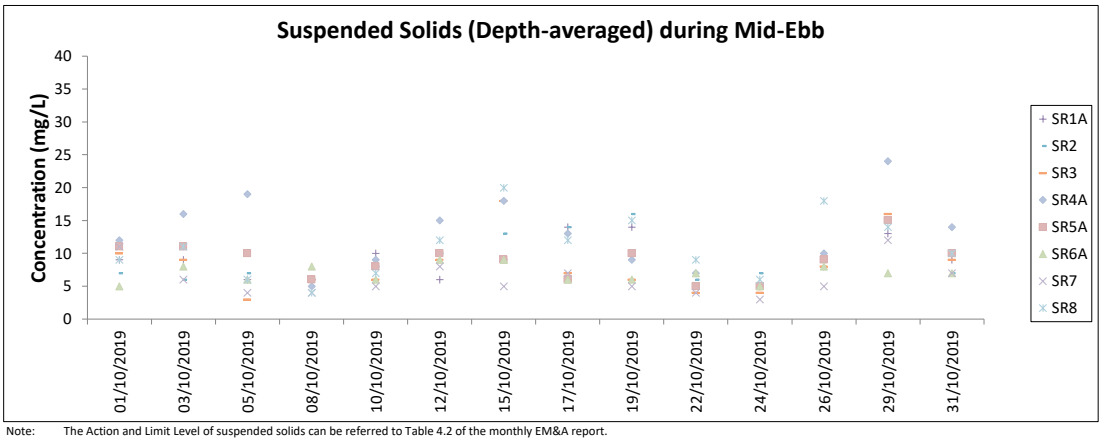


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

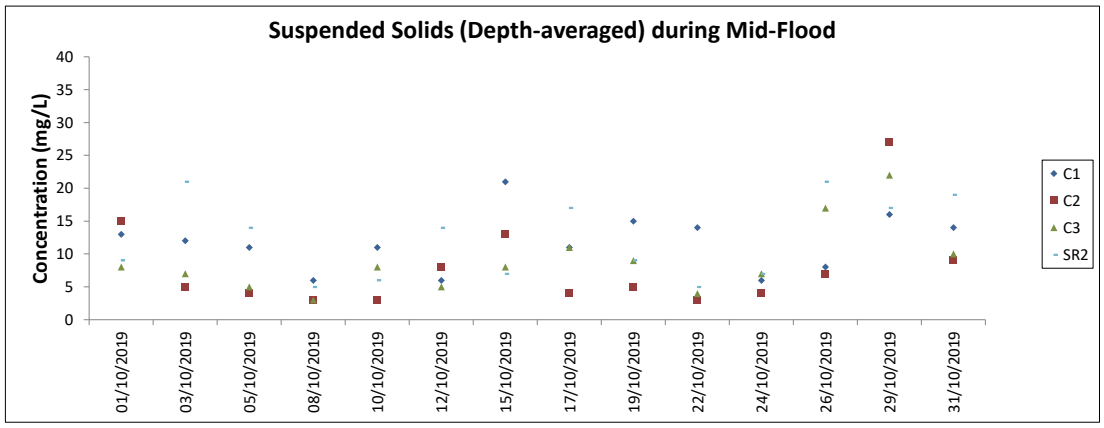


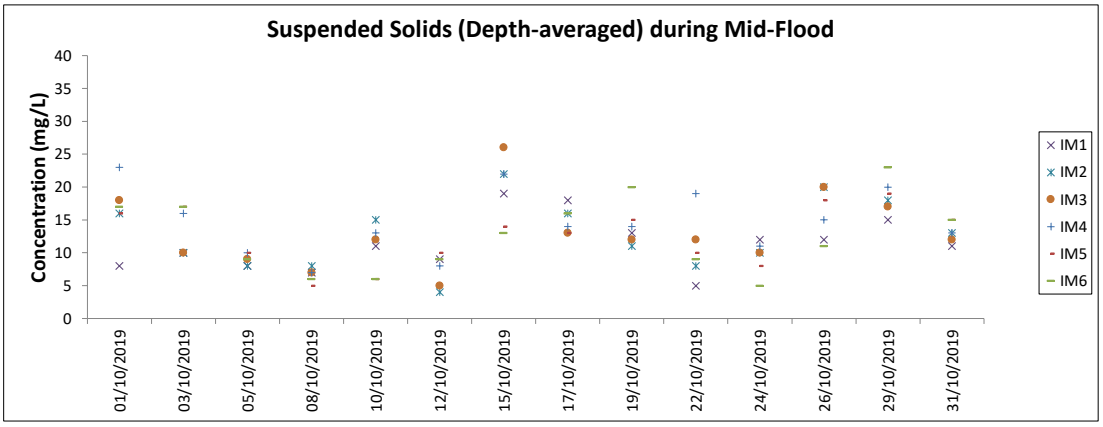


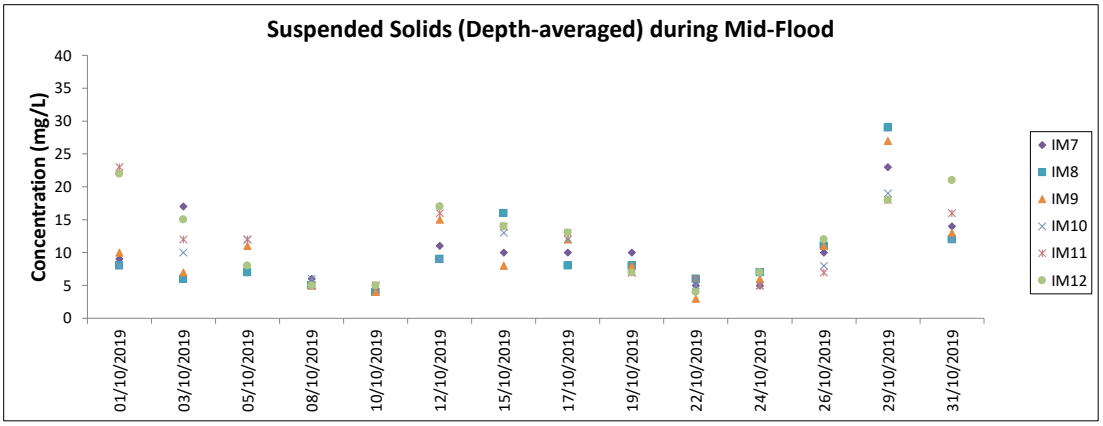


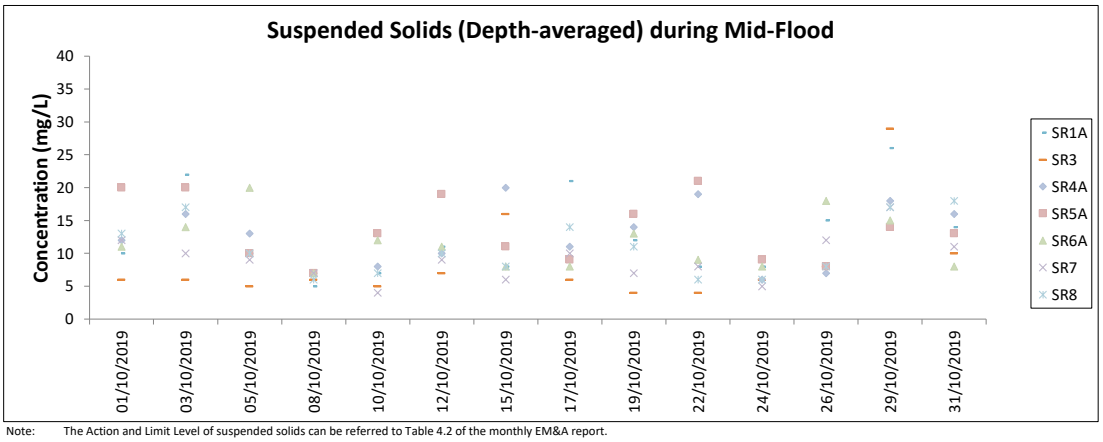


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

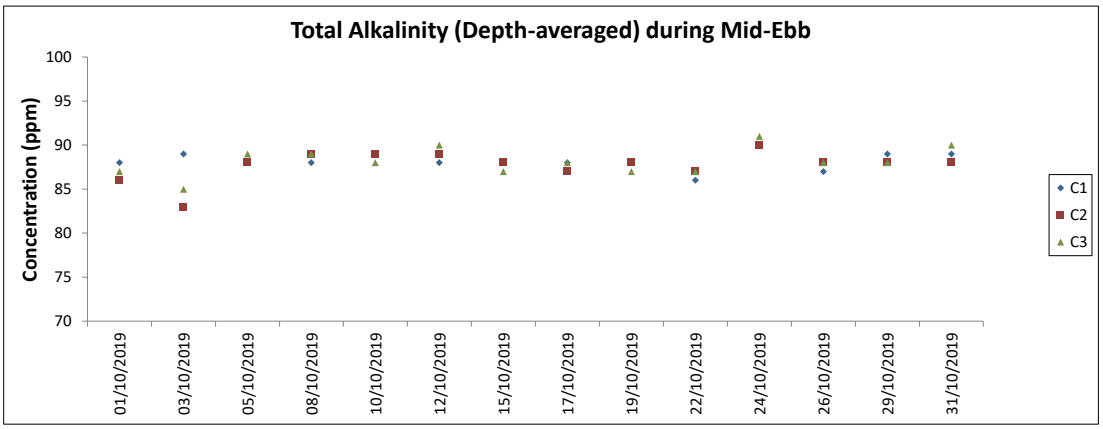


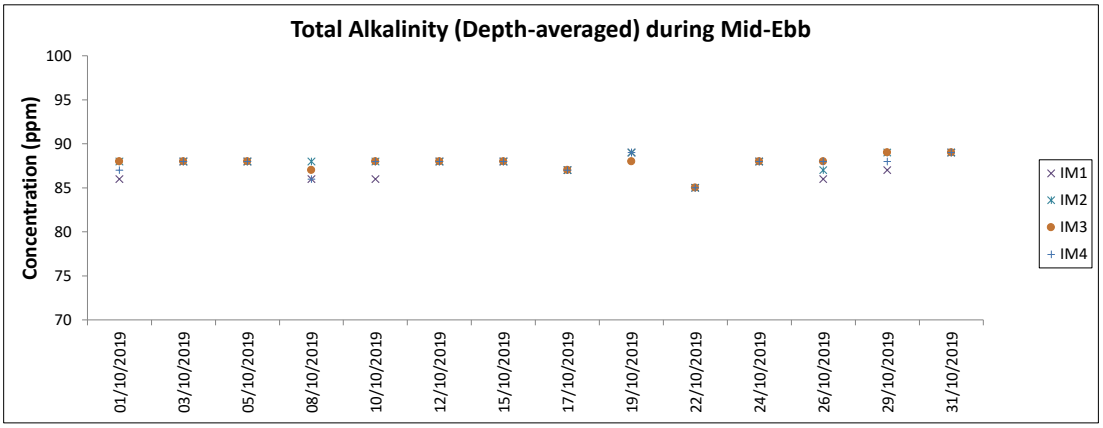


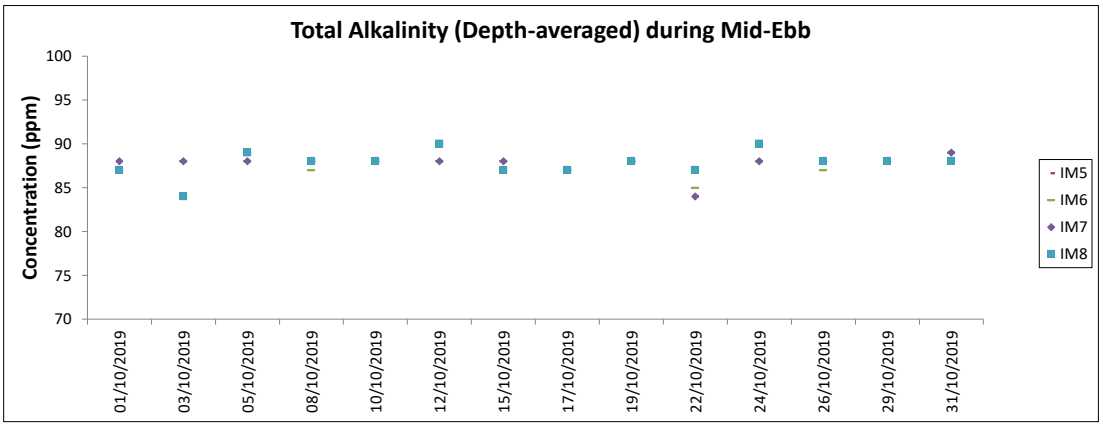


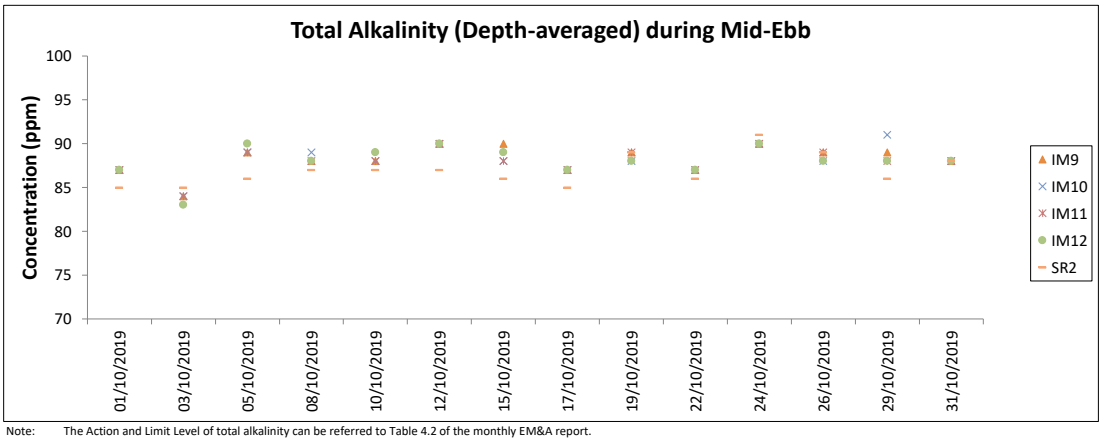


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

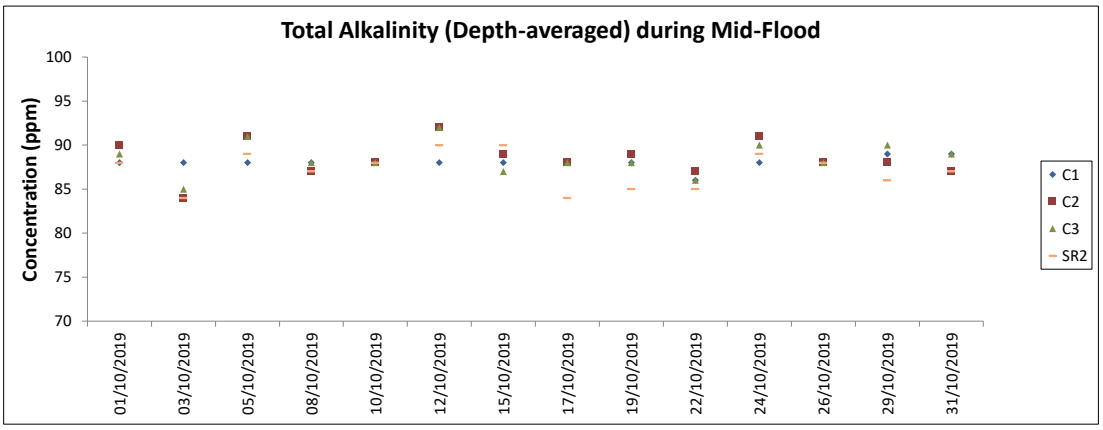


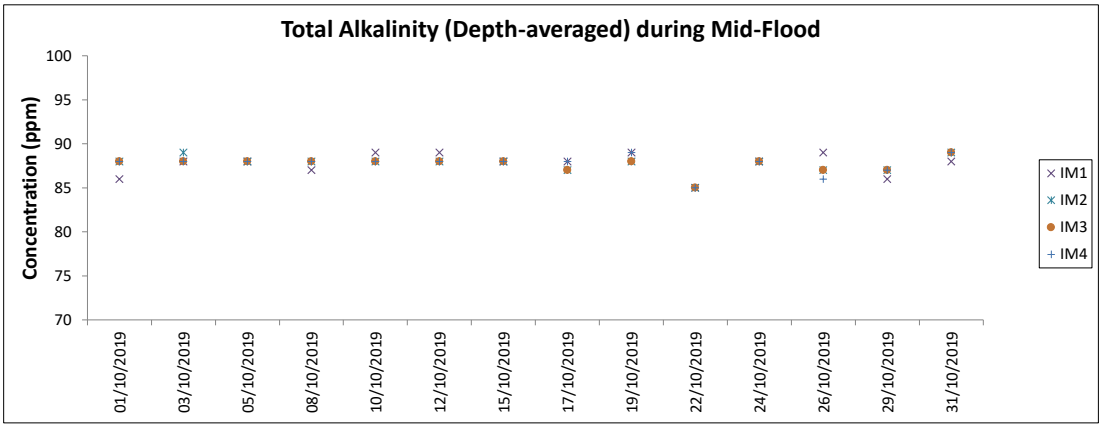


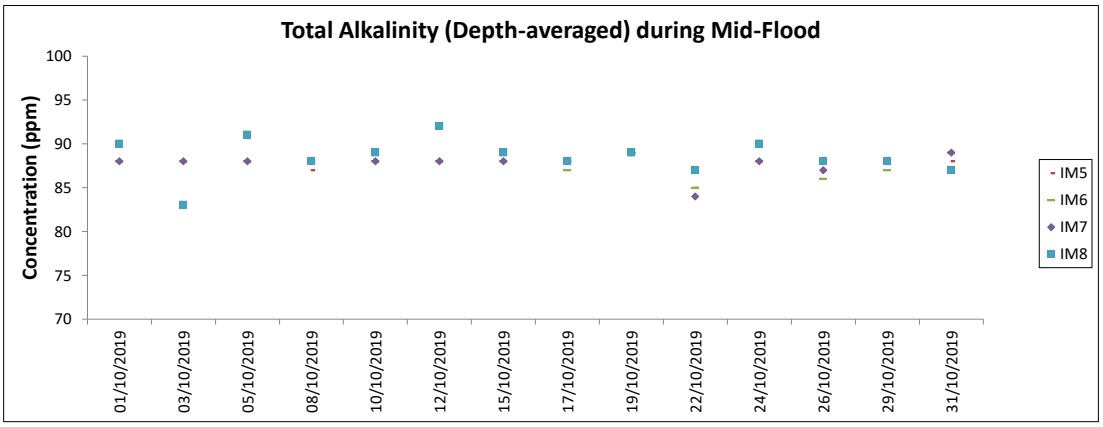


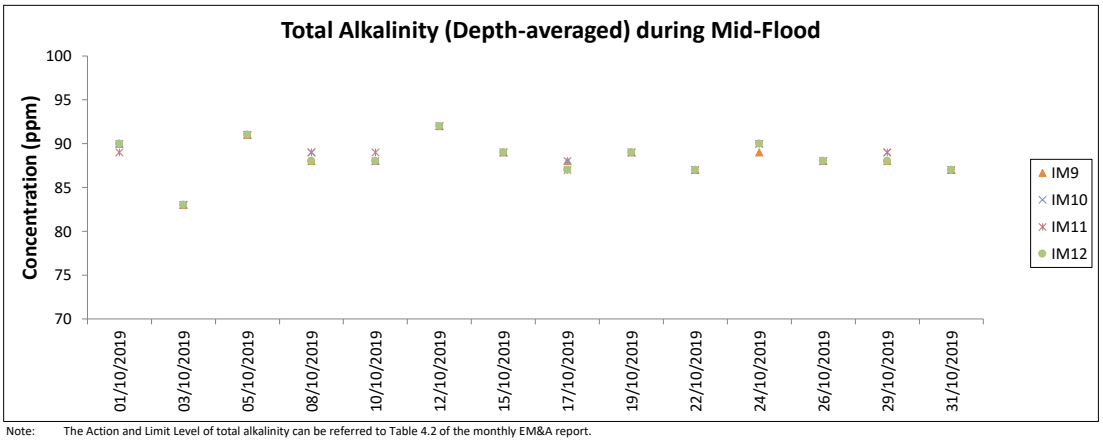


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

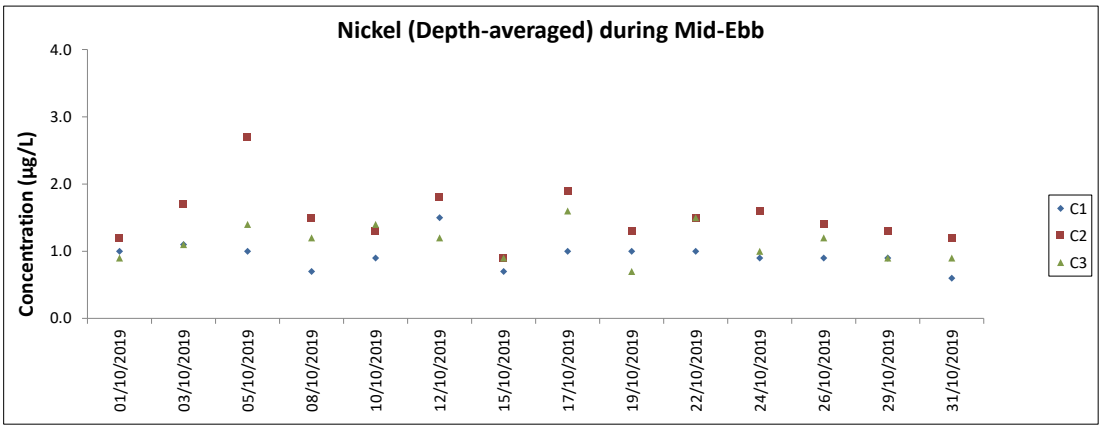


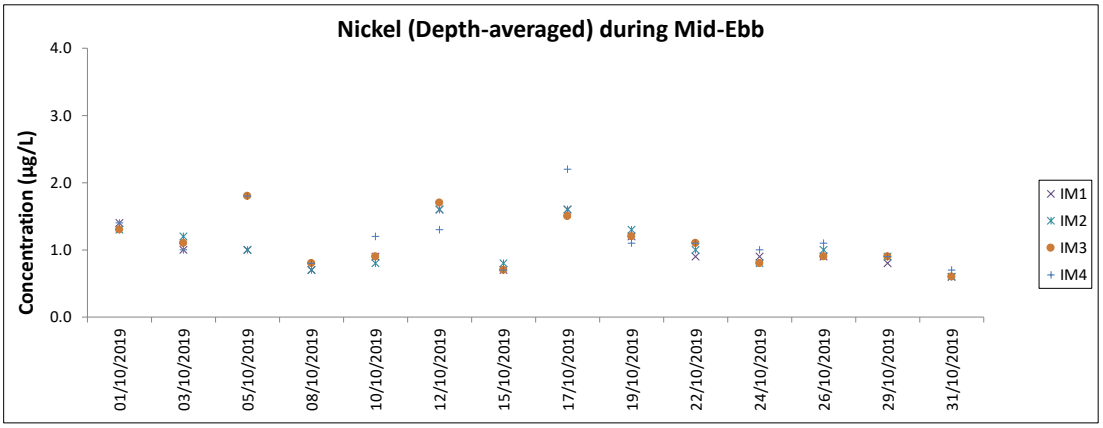


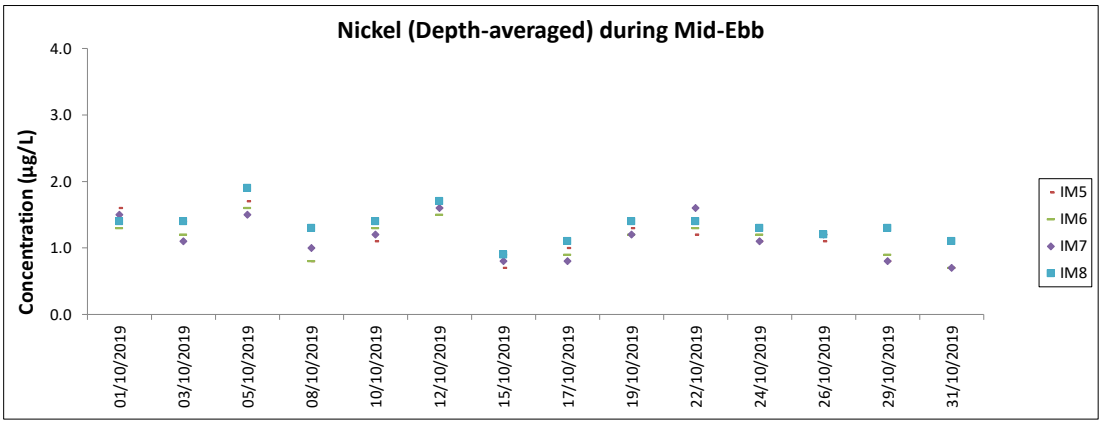


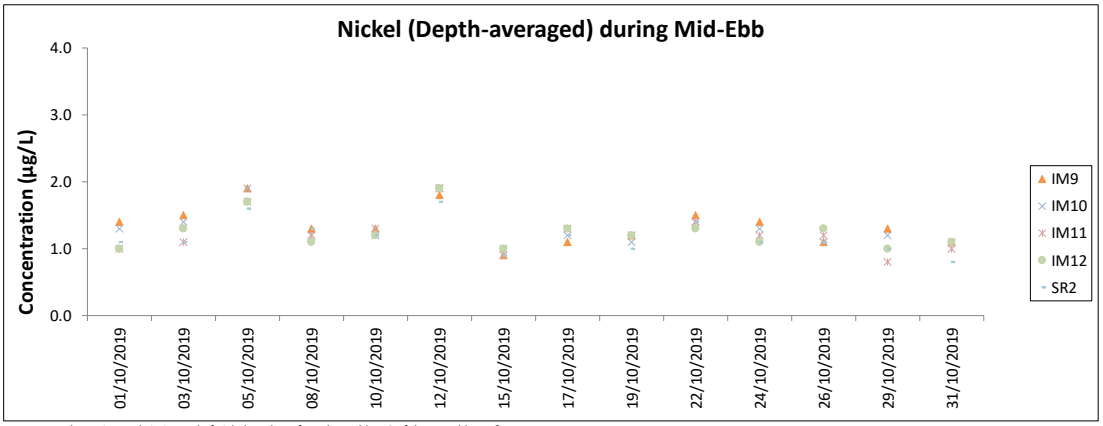


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

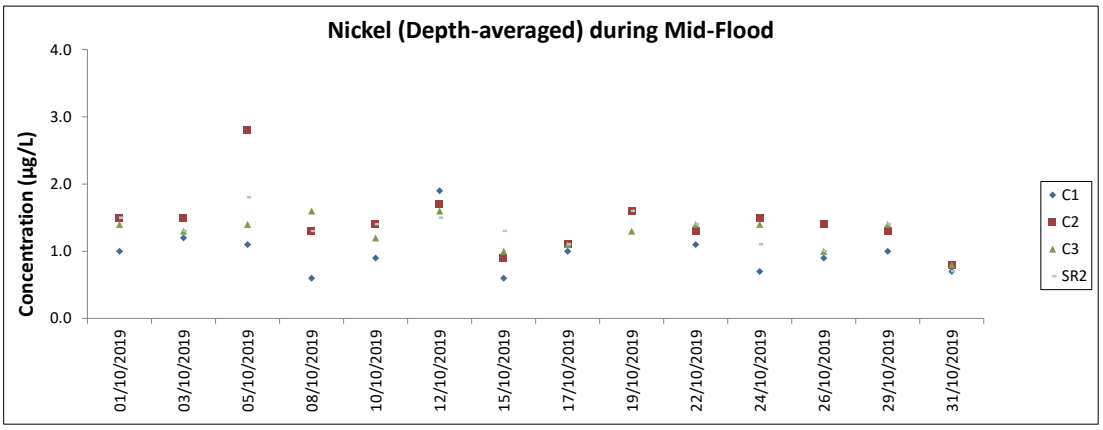


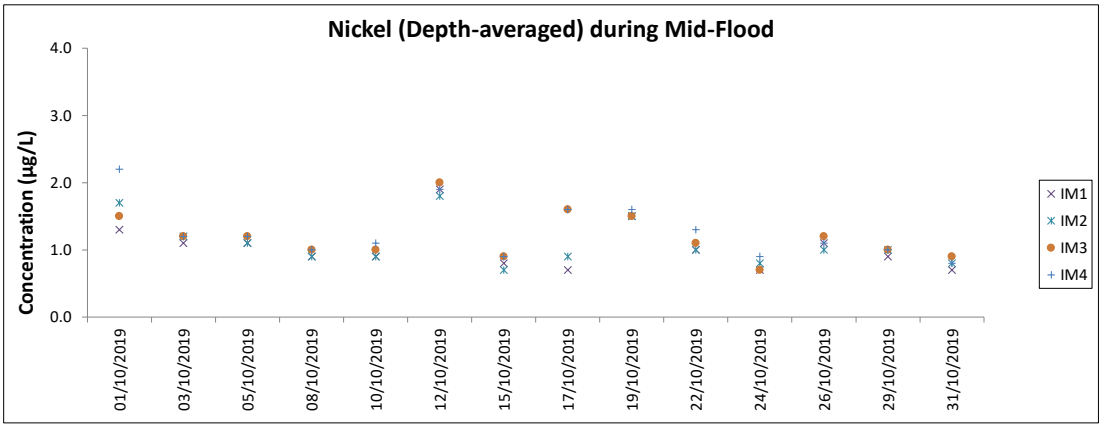


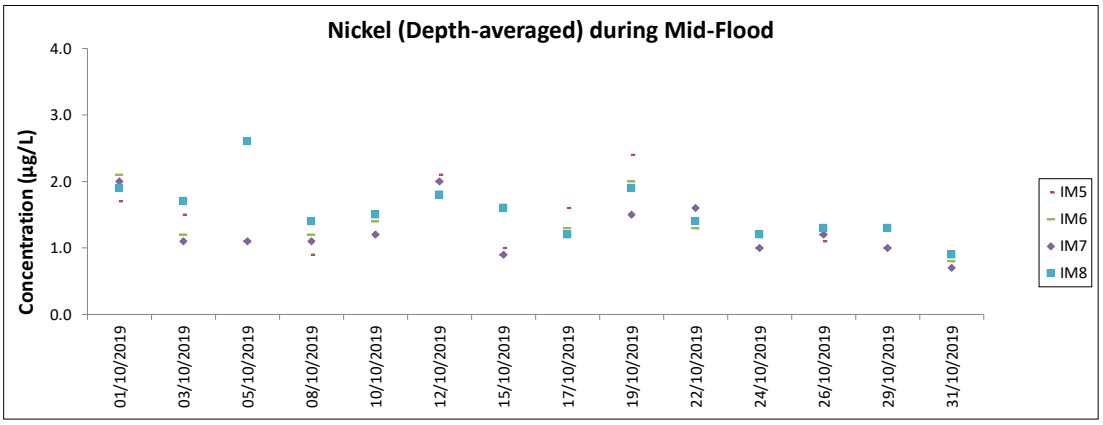


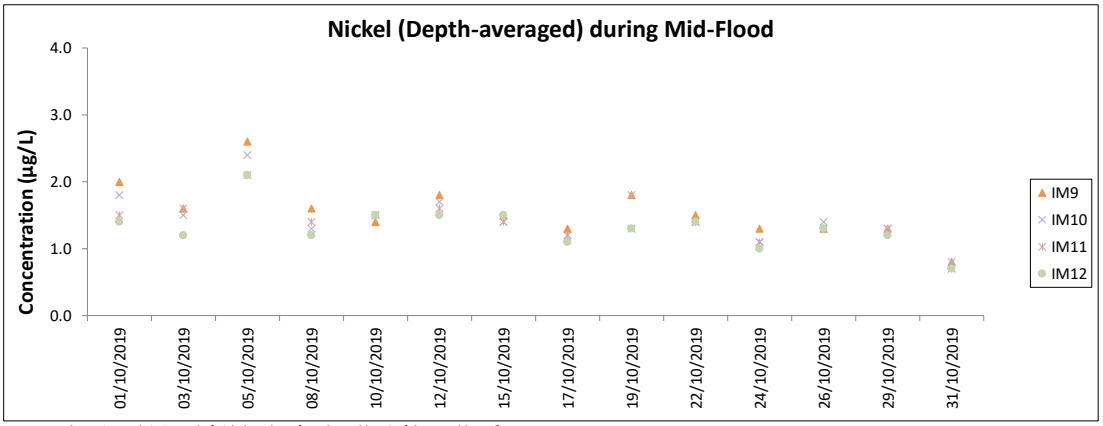


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period was below the reporting limit 0.2 µg/L.









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

Chinese White Dolphin Monitoring Result

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
7-Aug-19	SWL	2	24.140	SUMMER	32166	3RS ET	P
7-Aug-19	SWL	3	29.880	SUMMER	32166	3RS ET	P
7-Aug-19	SWL	2	6.300	SUMMER	32166	3RS ET	S
7-Aug-19	SWL	3	9.480	SUMMER	32166	3RS ET	S
8-Aug-19	AW	2	4.820	SUMMER	32166	3RS ET	P
8-Aug-19	WL	2	17.412	SUMMER	32166	3RS ET	P
8-Aug-19	WL	3	1.230	SUMMER	32166	3RS ET	P
8-Aug-19	WL	2	6.241	SUMMER	32166	3RS ET	S
8-Aug-19	WL	3	1.330	SUMMER	32166	3RS ET	S
12-Aug-19	NWL	2	3.080	SUMMER	32166	3RS ET	P
12-Aug-19	NWL	3	49.260	SUMMER	32166	3RS ET	P
12-Aug-19	NWL	4	9.700	SUMMER	32166	3RS ET	P
12-Aug-19	NWL	2	1.240	SUMMER	32166	3RS ET	S
12-Aug-19	NWL	3	9.320	SUMMER	32166	3RS ET	S
12-Aug-19	NWL	4	1.400	SUMMER	32166	3RS ET	S
13-Aug-19	NEL	2	32.600	SUMMER	32166	3RS ET	P
13-Aug-19	NEL	3	4.800	SUMMER	32166	3RS ET	P
13-Aug-19	NEL	2	7.900	SUMMER	32166	3RS ET	S
13-Aug-19	NEL	3	2.300	SUMMER	32166	3RS ET	S
16-Aug-19	NEL	2	18.650	SUMMER	32166	3RS ET	P
16-Aug-19	NEL	3	18.620	SUMMER	32166	3RS ET	P
16-Aug-19	NEL	2	8.230	SUMMER	32166	3RS ET	S
16-Aug-19	NEL	3	2.000	SUMMER	32166	3RS ET	S
21-Aug-19	AW	2	1.850	SUMMER	32166	3RS ET	P
21-Aug-19	AW	3	2.850	SUMMER	32166	3RS ET	P
21-Aug-19	WL	2	19.158	SUMMER	32166	3RS ET	P
21-Aug-19	WL	3	1.440	SUMMER	32166	3RS ET	P
21-Aug-19	WL	2	10.752	SUMMER	32166	3RS ET	S
22-Aug-19	SWL	2	54.700	SUMMER	32166	3RS ET	P
22-Aug-19	SWL	2	16.000	SUMMER	32166	3RS ET	S
26-Aug-19	NWL	2	14.600	SUMMER	32166	3RS ET	P
26-Aug-19	NWL	3	38.000	SUMMER	32166	3RS ET	P
26-Aug-19	NWL	4	10.340	SUMMER	32166	3RS ET	P
26-Aug-19	NWL	2	2.000	SUMMER	32166	3RS ET	S
26-Aug-19	NWL	3	10.060	SUMMER	32166	3RS ET	S
9-Sep-19	SWL	2	41.156	AUTUMN	32166	3RS ET	P
9-Sep-19	SWL	3	10.484	AUTUMN	32166	3RS ET	P
9-Sep-19	SWL	2	13.766	AUTUMN	32166	3RS ET	S
9-Sep-19	SWL	3	2.924	AUTUMN	32166	3RS ET	S
11-Sep-19	NWL	2	48.170	AUTUMN	32166	3RS ET	P
11-Sep-19	NWL	3	15.330	AUTUMN	32166	3RS ET	P
11-Sep-19	NWL	2	11.300	AUTUMN	32166	3RS ET	S
11-Sep-19	NWL	3	1.200	AUTUMN	32166	3RS ET	S
12-Sep-19	AW	2	4.730	AUTUMN	32166	3RS ET	P
12-Sep-19	WL	2	14.440	AUTUMN	32166	3RS ET	P
12-Sep-19	WL	3	4.590	AUTUMN	32166	3RS ET	P
12-Sep-19	WL	2	6.600	AUTUMN	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
12-Sep-19	WL	3	2.360	AUTUMN	32166	3RS ET	S
16-Sep-19	SWL	2	30.230	AUTUMN	32166	3RS ET	P
16-Sep-19	SWL	3	4.000	AUTUMN	32166	3RS ET	P
16-Sep-19	SWL	4	19.940	AUTUMN	32166	3RS ET	P
16-Sep-19	SWL	5	1.340	AUTUMN	32166	3RS ET	P
16-Sep-19	SWL	2	10.170	AUTUMN	32166	3RS ET	S
16-Sep-19	SWL	3	1.300	AUTUMN	32166	3RS ET	S
16-Sep-19	SWL	4	4.020	AUTUMN	32166	3RS ET	S
17-Sep-19	NEL	2	24.290	AUTUMN	32166	3RS ET	P
17-Sep-19	NEL	3	12.650	AUTUMN	32166	3RS ET	P
17-Sep-19	NEL	2	10.660	AUTUMN	32166	3RS ET	S
18-Sep-19	NEL	1	3.200	AUTUMN	32166	3RS ET	P
18-Sep-19	NEL	2	33.030	AUTUMN	32166	3RS ET	P
18-Sep-19	NEL	3	1.410	AUTUMN	32166	3RS ET	P
18-Sep-19	NEL	1	0.800	AUTUMN	32166	3RS ET	S
18-Sep-19	NEL	2	6.150	AUTUMN	32166	3RS ET	S
18-Sep-19	NEL	3	2.810	AUTUMN	32166	3RS ET	S
23-Sep-19	NWL	2	24.000	AUTUMN	32166	3RS ET	P
23-Sep-19	NWL	3	37.600	AUTUMN	32166	3RS ET	P
23-Sep-19	NWL	2	9.400	AUTUMN	32166	3RS ET	S
23-Sep-19	NWL	3	4.500	AUTUMN	32166	3RS ET	S
25-Sep-19	AW	2	4.870	AUTUMN	32166	3RS ET	P
25-Sep-19	WL	2	18.147	AUTUMN	32166	3RS ET	P
25-Sep-19	WL	2	9.262	AUTUMN	32166	3RS ET	S
2-Oct-19	SWL	2	21.630	AUTUMN	32166	3RS ET	P
2-Oct-19	SWL	3	32.292	AUTUMN	32166	3RS ET	P
2-Oct-19	SWL	2	4.878	AUTUMN	32166	3RS ET	S
2-Oct-19	SWL	3	11.810	AUTUMN	32166	3RS ET	S
3-Oct-19	AW	2	3.470	AUTUMN	32166	3RS ET	P
3-Oct-19	WL	2	17.515	AUTUMN	32166	3RS ET	P
3-Oct-19	WL	2	9.401	AUTUMN	32166	3RS ET	S
4-Oct-19	SWL	2	49.551	AUTUMN	32166	3RS ET	P
4-Oct-19	SWL	3	2.100	AUTUMN	32166	3RS ET	P
4-Oct-19	SWL	2	16.128	AUTUMN	32166	3RS ET	S
4-Oct-19	SWL	3	1.100	AUTUMN	32166	3RS ET	S
10-Oct-19	NWL	2	40.510	AUTUMN	32166	3RS ET	P
10-Oct-19	NWL	3	21.930	AUTUMN	32166	3RS ET	P
10-Oct-19	NWL	2	10.970	AUTUMN	32166	3RS ET	S
10-Oct-19	NWL	3	0.900	AUTUMN	32166	3RS ET	S
11-Oct-19	AW	2	4.930	AUTUMN	32166	3RS ET	P
11-Oct-19	WL	2	19.410	AUTUMN	32166	3RS ET	P
11-Oct-19	WL	2	10.760	AUTUMN	32166	3RS ET	S
16-Oct-19	NEL	2	15.140	AUTUMN	32166	3RS ET	P
16-Oct-19	NEL	3	22.770	AUTUMN	32166	3RS ET	P
16-Oct-19	NEL	2	5.040	AUTUMN	32166	3RS ET	S
16-Oct-19	NEL	3	5.350	AUTUMN	32166	3RS ET	S
17-Oct-19	NEL	2	37.340	AUTUMN	32166	3RS ET	P
17-Oct-19	NEL	2	10.060	AUTUMN	32166	3RS ET	S
22-Oct-19	NWL	2	41.400	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
22-Oct-19	NWL	3	21.600	AUTUMN	32166	3RS ET	P
22-Oct-19	NWL	2	8.700	AUTUMN	32166	3RS ET	S
22-Oct-19	NWL	3	3.300	AUTUMN	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months (i.e. August and September 2019) are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
7-Aug-19	1	1500	CWD	2	SWL	2	511	ON	3RS ET	22.1883	113.8491	SUMMER	NONE	P
8-Aug-19	1	1029	CWD	10	WL	2	78	ON	3RS ET	22.2668	113.8594	SUMMER	NONE	S
8-Aug-19	2	1052	CWD	5	WL	2	272	ON	3RS ET	22.2600	113.8430	SUMMER	NONE	P
8-Aug-19	3	1120	CWD	1	WL	2	611	ON	3RS ET	22.2434	113.8488	SUMMER	NONE	S
8-Aug-19	4	1127	CWD	8	WL	2	836	ON	3RS ET	22.2415	113.8435	SUMMER	NONE	P
8-Aug-19	5	1211	CWD	2	WL	2	48	ON	3RS ET	22.2290	113.8379	SUMMER	NONE	S
8-Aug-19	6	1230	CWD	5	WL	2	413	ON	3RS ET	22.2136	113.8254	SUMMER	NONE	P
8-Aug-19	7	1250	CWD	6	WL	2	140	ON	3RS ET	22.2143	113.8344	SUMMER	NONE	P
8-Aug-19	8	1328	CWD	1	WL	2	333	ON	3RS ET	22.1890	113.8422	SUMMER	NONE	S
12-Aug-19	1	1051	CWD	1	NWL	3	472	ON	3RS ET	22.2794	113.8696	SUMMER	NONE	P
21-Aug-19	1	1039	CWD	3	WL	2	126	ON	3RS ET	22.2604	113.8523	SUMMER	NONE	P
21-Aug-19	2	1137	CWD	10	WL	2	501	ON	3RS ET	22.2340	113.8244	SUMMER	NONE	S
21-Aug-19	3	1203	CWD	5	WL	2	186	ON	3RS ET	22.2231	113.8360	SUMMER	NONE	P
21-Aug-19	4	1231	CWD	1	WL	2	21	ON	3RS ET	22.2144	113.8344	SUMMER	NONE	P
21-Aug-19	5	1251	CWD	7	WL	2	13	ON	3RS ET	22.2145	113.8355	SUMMER	NONE	P
21-Aug-19	6	1310	CWD	2	WL	2	162	ON	3RS ET	22.2057	113.8251	SUMMER	NONE	P
22-Aug-19	1	1106	FP	2	SWL	2	119	ON	3RS ET	22.1563	113.9277	SUMMER	NONE	P
22-Aug-19	2	1511	CWD	2	SWL	2	94	ON	3RS ET	22.1942	113.8492	SUMMER	NONE	P
9-Sep-19	1	1029	CWD	1	SWL	2	173	ON	3RS ET	22.2110	113.9357	AUTUMN	NONE	P
9-Sep-19	2	1146	CWD	1	SWL	2	426	ON	3RS ET	22.2020	113.9177	AUTUMN	NONE	P
9-Sep-19	3	1240	FP	7	SWL	2	2	ON	3RS ET	22.1551	113.9078	AUTUMN	NONE	P
9-Sep-19	4	1312	CWD	1	SWL	2	41	ON	3RS ET	22.2041	113.9078	AUTUMN	NONE	P
9-Sep-19	5	1332	CWD	2	SWL	2	851	ON	3RS ET	22.1974	113.8974	AUTUMN	NONE	P
9-Sep-19	6	1351	CWD	7	SWL	2	1298	ON	3RS ET	22.1819	113.8970	AUTUMN	NONE	P
12-Sep-19	1	1035	CWD	4	WL	2	253	ON	3RS ET	22.2648	113.8579	AUTUMN	NONE	S
12-Sep-19	2	1057	CWD	8	WL	2	687	ON	3RS ET	22.2569	113.8366	AUTUMN	NONE	S
12-Sep-19	3	1137	CWD	9	WL	2	656	ON	3RS ET	22.2315	113.8305	AUTUMN	NONE	P
12-Sep-19	4	1208	CWD	2	WL	2	163	ON	3RS ET	22.2240	113.8372	AUTUMN	NONE	S
12-Sep-19	5	1240	CWD	3	WL	2	92	ON	3RS ET	22.2139	113.8239	AUTUMN	NONE	P
16-Sep-19	1	1422	FP	1	SWL	5	14	ON	3RS ET	22.1717	113.9268	AUTUMN	NONE	P
25-Sep-19	1	1019	CWD	1	WL	2	167	ON	3RS ET	22.2785	113.8611	AUTUMN	NONE	P
25-Sep-19	2	1037	CWD	6	WL	2	698	ON	3RS ET	22.2776	113.8569	AUTUMN	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
25-Sep-19	3	1110	CWD	1	WL	2	163	ON	3RS ET	22.2601	113.8477	AUTUMN	NONE	P
25-Sep-19	4	1129	CWD	1	WL	2	2	ON	3RS ET	22.2516	113.8334	AUTUMN	NONE	S
25-Sep-19	5	1207	CWD	2	WL	2	353	ON	3RS ET	22.2315	113.8387	AUTUMN	NONE	P
25-Sep-19	6	1234	CWD	1	WL	2	486	ON	3RS ET	22.2134	113.8238	AUTUMN	NONE	P
25-Sep-19	7	1259	CWD	2	WL	2	24	ON	3RS ET	22.2051	113.8319	AUTUMN	NONE	P
25-Sep-19	8	1320	CWD	6	WL	2	166	ON	3RS ET	22.1962	113.8356	AUTUMN	NONE	P
25-Sep-19	9	1329	CWD	17	WL	2	390	ON	3RS ET	22.1951	113.8424	AUTUMN	NONE	S
2-Oct-19	1	1101	FP	2	SWL	3	1	ON	3RS ET	22.1476	113.9274	AUTUMN	NONE	P
2-Oct-19	2	1114	FP	1	SWL	3	25	ON	3RS ET	22.1706	113.9277	AUTUMN	NONE	P
2-Oct-19	3	1131	CWD	1	SWL	2	36	ON	3RS ET	22.2055	113.9269	AUTUMN	NONE	P
3-Oct-19	1	0937	CWD	7	AW	2	165	ON	3RS ET	22.2983	113.8853	AUTUMN	NONE	P
3-Oct-19	2	1026	CWD	4	WL	2	485	ON	3RS ET	22.2924	113.8612	AUTUMN	NONE	P
3-Oct-19	3	1110	CWD	2	WL	2	155	ON	3RS ET	22.2605	113.8479	AUTUMN	NONE	P
3-Oct-19	4	1122	CWD	1	WL	2	127	ON	3RS ET	22.2603	113.8411	AUTUMN	NONE	P
3-Oct-19	5	1146	CWD	3	WL	2	181	ON	3RS ET	22.2416	113.8434	AUTUMN	NONE	P
3-Oct-19	6	1157	CWD	4	WL	2	207	ON	3RS ET	22.2416	113.8344	AUTUMN	NONE	P
3-Oct-19	7	1220	CWD	7	WL	2	382	ON	3RS ET	22.2282	113.8378	AUTUMN	NONE	S
3-Oct-19	8	1308	CWD	14	WL	2	265	ON	3RS ET	22.1960	113.8365	AUTUMN	NONE	P
4-Oct-19	1	1103	FP	16	SWL	2	112	ON	3RS ET	22.1428	113.9283	AUTUMN	NONE	S
4-Oct-19	2	1154	FP	2	SWL	2	114	ON	3RS ET	22.1899	113.9181	AUTUMN	NONE	P
4-Oct-19	3	1233	FP	3	SWL	2	65	ON	3RS ET	22.1542	113.9067	AUTUMN	NONE	S
4-Oct-19	4	1242	FP	2	SWL	2	19	ON	3RS ET	22.1568	113.8996	AUTUMN	NONE	S
4-Oct-19	5	1321	CWD	1	SWL	2	296	ON	3RS ET	22.2063	113.8972	AUTUMN	NONE	P
4-Oct-19	6	1356	FP	2	SWL	2	270	ON	3RS ET	22.1486	113.8921	AUTUMN	NONE	S
4-Oct-19	7	1411	FP	1	SWL	2	223	ON	3RS ET	22.1727	113.8882	AUTUMN	NONE	P
10-Oct-19	1	1047	CWD	2	NWL	3	16	ON	3RS ET	22.2709	113.8702	AUTUMN	NONE	P
10-Oct-19	2	1107	CWD	1	NWL	2	100	ON	3RS ET	22.2970	113.8779	AUTUMN	NONE	P
10-Oct-19	3	1205	CWD	4	NWL	2	112	ON	3RS ET	22.3769	113.8775	AUTUMN	NONE	P
11-Oct-19	1	1050	CWD	2	WL	2	214	ON	3RS ET	22.2503	113.8411	AUTUMN	NONE	P
11-Oct-19	2	1114	CWD	1	WL	2	26	ON	3RS ET	22.2414	113.8408	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 (i.e. August 2019 and September 2019) 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 October 2019 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 449.985 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 15 on-effort sightings and total number of 54 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in October 2019 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in October 2019

$$STG = \frac{15}{449.985}\ x\ 100 = 3.33$$

Encounter Rate by Number of Dolphins (ANI) in October 2019

$$ANI = \frac{54}{449.985}\ x\ 100 = 12.00$$

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

A total of 1305.757 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 51 on-effort sightings and total number of 200 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)

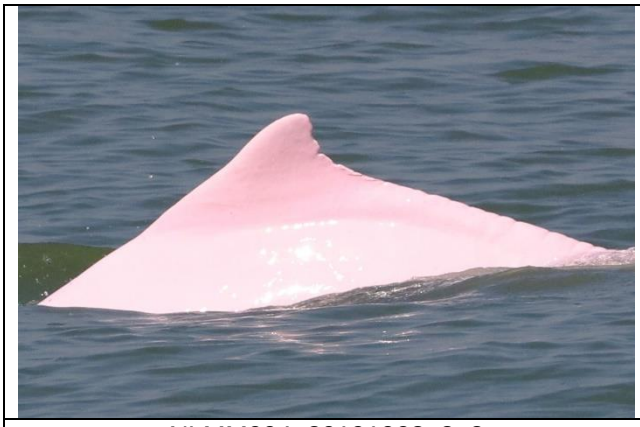
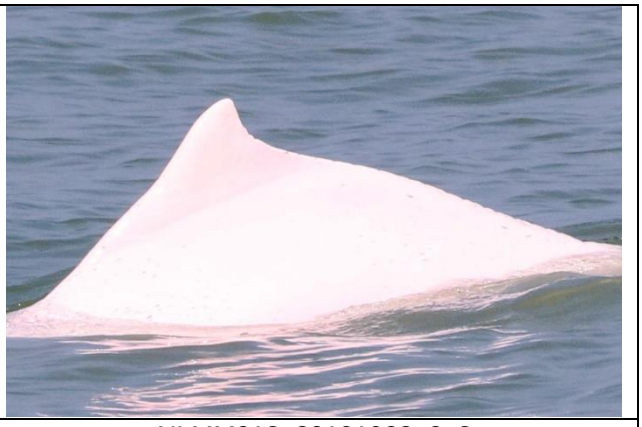
$$STG = \frac{51}{1305.757}\ x\ 100 = 3.91$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{200}{1305.757}\ x\ 100 = 15.32$$

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

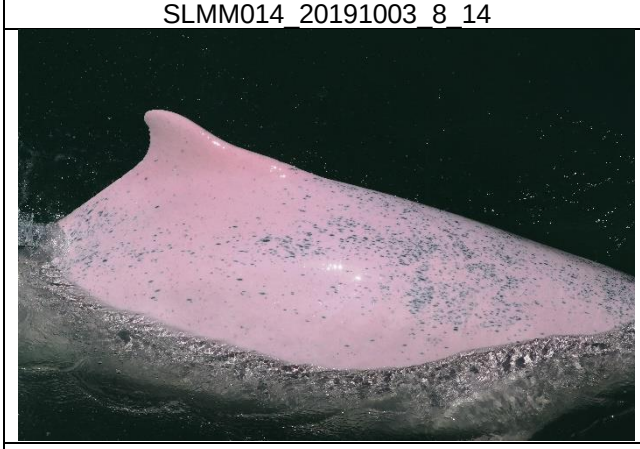
SLMM060_20191002_3_10	NLMM004_20191003_1_1
NLMM018_20191003_1_5	NLMM019_20191003_1_8
NLMM052_20191003_1_6	NLMM053_20191003_1_1
NLMM068_20191003_1_4	NLMM071_20191003_1_6

	
NLMM004_20191003_2_2	NLMM018_20191003_2_3
WLMM104_20191003_3_2	SLMM052_20191003_4_3
WLMM071_20191003_5_5	NLMM016_20191003_6_5
WLMM011_20191003_6_18	WLMM107_20191003_6_1

WLMM149_20191003_6_3_Right	SLMM003_20191003_7_2
SLMM037_20191003_7_14_Upper	WLMM073_20191003_7_7
WLMM079_20191003_7_5	WLMM131_20191003_7_9
WLMM132_20191003_7_11_Lower	SLMM010_20191003_8_1

SLMM014_20191003_8_14

SLMM022_20191003_8_2



SLMM025_20191003_8_11

SLMM028_20191003_8_15

SLMM029_20191003_8_9

SLMM049_20191003_8_3

SLMM053_20191003_8_13

WLMM007_20191003_8_6

WLMM018_20191003_8_5

WLMM029_20191003_8_2

WLMM078_20191003_8_3

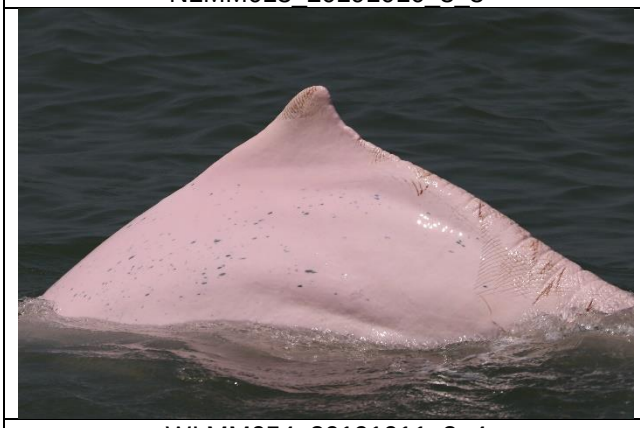
WLMM054_20191004_5_8

WLMM049_20191010_1_3

NLMM023_20191010_2_1

NLMM004_20191010_3_2

NLMM006_20191010_3_2

NLMM013_20191010_3_3	WLMM054_20191011_1_3
	
WLMM054_20191011_2_4	

CWD Land-based Theodolite Tracking Survey

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
11/Oct/19	Lung Kwu Chau	9:21	15:21	6:00	2-3	3	1	1
21/Oct/19	Lung Kwu Chau	8:45	14:45	6:00	2	2-3	4	1-2
22/Oct/19	Sha Chau	8:40	14:40	6:00	2	2	0	-

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