Appendix C. Monitoring Results

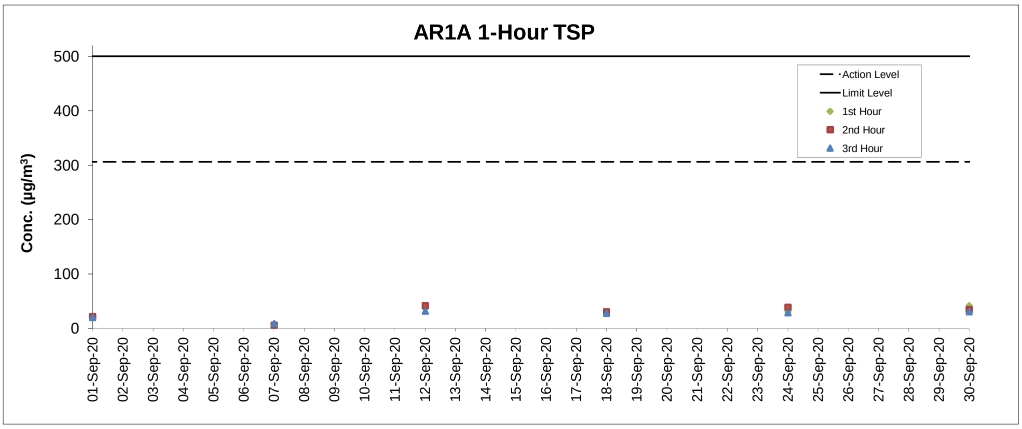
Air Quality Monitoring Results

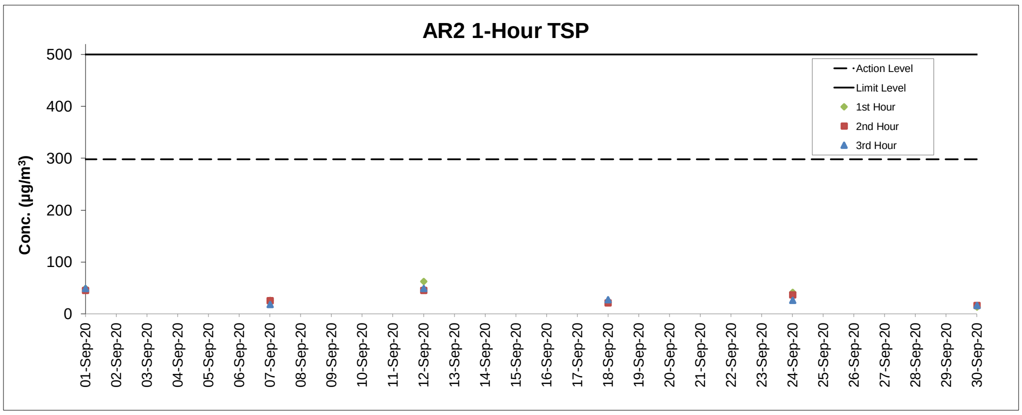
1-hour TSP Results
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
01-Sep-20	13:02	Cloudy	3.3	258	20	306	500
01-Sep-20	14:02	Cloudy	5.0	249	22	306	500
01-Sep-20	15:02	Cloudy	5.0	232	20	306	500
07-Sep-20	13:16	Cloudy	5.3	148	7	306	500
07-Sep-20	14:16	Cloudy	6.4	155	6	306	500
07-Sep-20	15:16	Cloudy	5.0	129	9	306	500
12-Sep-20	9:05	Cloudy	2.5	49	38	306	500
12-Sep-20	10:05	Cloudy	1.7	Variable	42	306	500
12-Sep-20	11:05	Cloudy	3.1	329	32	306	500
18-Sep-20	13:10	Cloudy	4.2	105	28	306	500
18-Sep-20	14:10	Cloudy	6.4	105	31	306	500
18-Sep-20	15:10	Cloudy	9.2	117	28	306	500
24-Sep-20	13:52	Cloudy	3.3	277	31	306	500
24-Sep-20	14:52	Cloudy	3.3	299	39	306	500
24-Sep-20	15:52	Cloudy	3.3	302	29	306	500
30-Sep-20	14:11	Cloudy	4.7	142	42	306	500
30-Sep-20	15:11	Cloudy	6.7	85	35	306	500
30-Sep-20	16:11	Cloudy	4.4	118	31	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)
01-Sep-20	13:44	Sunny	4.2	255	49	298	500
01-Sep-20	14:44	Sunny	5.0	236	45	298	500
01-Sep-20	15:44	Sunny	5.0	237	49	298	500
07-Sep-20	13:34	Cloudy	6.1	153	26	298	500
07-Sep-20	14:34	Cloudy	6.4	153	25	298	500
07-Sep-20	15:34	Cloudy	4.7	141	18	298	500
12-Sep-20	13:12	Cloudy	3.3	288	62	298	500
12-Sep-20	14:12	Cloudy	3.9	253	45	298	500
12-Sep-20	15:12	Cloudy	3.3	44	49	298	500
18-Sep-20	14:27	Cloudy	8.6	103	22	298	500
18-Sep-20	15:27	Cloudy	7.5	114	21	298	500
18-Sep-20	16:27	Cloudy	5.0	99	27	298	500
24-Sep-20	9:33	Cloudy	3.1	56	42	298	500
24-Sep-20	10:33	Cloudy	1.7	66	36	298	500
24-Sep-20	11:33	Cloudy	3.3	329	26	298	500
30-Sep-20	16:38	Cloudy	5.8	150	13	298	500
30-Sep-20	17:38	Cloudy	5.8	83	16	298	500
30-Sep-20	18:38	Cloudy	4.7	90	16	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)
01-Sep-20	Cloudy	14:46	69.6	63.4	72
01-Sep-20	Cloudy	14:51	71.0	57.2	
01-Sep-20	Cloudy	14:56	70.2	61.0	
01-Sep-20	Cloudy	15:01	72.4	64.0	
01-Sep-20	Cloudy	15:06	72.6	64.1	
01-Sep-20	Cloudy	15:11	73.3	59.6	
07-Sep-20	Cloudy	12:04	66.5	56.1	70
07-Sep-20	Cloudy	12:09	64.9	56.3	
07-Sep-20	Cloudy	12:14	67.2	56.9	
07-Sep-20	Cloudy	12:19	60.4	54.4	
07-Sep-20	Cloudy	12:24	63.9	55.4	
07-Sep-20	Cloudy	12:29	78.2	53.5	
18-Sep-20	Cloudy	12:06	75.5	56.5	71
18-Sep-20	Cloudy	12:11	76.5	54.3	
18-Sep-20	Cloudy	12:16	73.9	53.7	
18-Sep-20	Cloudy	12:21	74.9	54.7	
18-Sep-20	Cloudy	12:26	72.9	53.0	
18-Sep-20	Cloudy	12:31	77.2	53.9	
24-Sep-20	Cloudy	14:37	67.7	55.7	69
24-Sep-20	Cloudy	14:42	69.8	58.0	
24-Sep-20	Cloudy	14:47	69.0	58.0	
24-Sep-20	Cloudy	14:52	74.0	59.2	
24-Sep-20	Cloudy	14:57	69.9	56.2	
24-Sep-20	Cloudy	15:02	67.3	56.5	
30-Sep-20	Cloudy	14:40	66.1	42.1	60
30-Sep-20	Cloudy	14:45	56.3	41.8	
30-Sep-20	Cloudy	14:50	56.1	42.4	
30-Sep-20	Cloudy	14:55	51.7	41.7	
30-Sep-20	Cloudy	15:00	52.6	41.9	
30-Sep-20	Cloudy	15:05	56.2	41.3	

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

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
02-Sep-20	Sunny	13:41	61.0	56.5	61
02-Sep-20	Sunny	13:46	59.4	56.1	
02-Sep-20	Sunny	13:51	61.4	56.8	
02-Sep-20	Sunny	13:56	59.6	55.6	
02-Sep-20	Sunny	14:01	59.5	55.2	
02-Sep-20	Sunny	14:06	58.6	55.0	
08-Sep-20	Cloudy	13:01	63.2	58.7	62
08-Sep-20	Cloudy	13:06	60.0	56.3	
08-Sep-20	Cloudy	13:11	60.6	56.7	
08-Sep-20	Cloudy	13:16	59.5	56.3	
08-Sep-20	Cloudy	13:21	60.7	56.9	
08-Sep-20	Cloudy	13:26	61.7	58.2	
17-Sep-20	Cloudy	14:30	62.5	58.4	63
17-Sep-20	Cloudy	14:35	61.3	58.4	
17-Sep-20	Cloudy	14:40	61.3	56.9	
17-Sep-20	Cloudy	14:45	61.1	56.6	
17-Sep-20	Cloudy	14:50	61.9	58.3	
17-Sep-20	Cloudy	14:55	61.9	58.1	
23-Sep-20	Cloudy	12:57	66.2	63.3	60
23-Sep-20	Cloudy	13:02	65.1	63.0	
23-Sep-20	Cloudy	13:07	65.8	62.9	
23-Sep-20	Cloudy	13:12	65.3	63.2	
23-Sep-20	Cloudy	13:17	65.4	63.5	
23-Sep-20	Cloudy	13:22	64.4	62.2	
29-Sep-20	Cloudy	13:02	64.2	60.2	64
29-Sep-20	Cloudy	13:07	69.3	62.8	
29-Sep-20	Cloudy	13:12	65.6	62.7	
29-Sep-20	Cloudy	13:17	65.2	62.7	
29-Sep-20	Cloudy	13:22	69.0	62.7	
29-Sep-20	Cloudy	13:27	65.0	63.2	

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

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

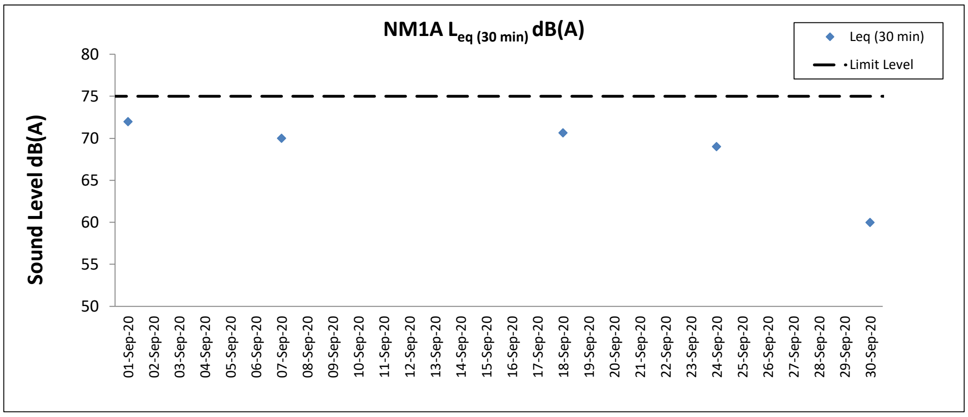
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
01-Sep-20	Sunny	14:41	58.0	44.1	56
01-Sep-20	Sunny	14:46	47.2	42.1	
01-Sep-20	Sunny	14:51	52.8	43.5	
01-Sep-20	Sunny	14:56	54.2	45.7	
01-Sep-20	Sunny	15:01	58.9	44.9	
01-Sep-20	Sunny	15:06	52.6	44.4	
07-Sep-20	Cloudy	14:11	49.4	42.1	57
07-Sep-20	Cloudy	14:16	48.8	42.1	
07-Sep-20	Cloudy	14:21	60.8	43.1	
07-Sep-20	Cloudy	14:26	55.1	51.3	
07-Sep-20	Cloudy	14:31	63.6	46.1	
07-Sep-20	Cloudy	14:36	47.1	44.2	
18-Sep-20	Cloudy	14:28	55.9	49.0	62
18-Sep-20	Cloudy	14:33	61.6	48.7	
18-Sep-20	Cloudy	14:38	64.8	49.3	
18-Sep-20	Cloudy	14:43	62.9	48.5	
18-Sep-20	Cloudy	14:48	52.1	47.4	
18-Sep-20	Cloudy	14:53	68.2	48.9	
24-Sep-20	Cloudy	11:05	59.9	56.5	61
24-Sep-20	Cloudy	11:10	64.0	56.2	
24-Sep-20	Cloudy	11:15	60.9	55.6	
24-Sep-20	Cloudy	11:20	60.2	55.4	
24-Sep-20	Cloudy	11:25	61.2	56.1	
24-Sep-20	Cloudy	11:30	59.3	54.0	
30-Sep-20	Cloudy	14:40	66.1	42.1	53
30-Sep-20	Cloudy	14:45	56.3	41.8	
30-Sep-20	Cloudy	14:50	56.1	42.4	
30-Sep-20	Cloudy	14:55	51.7	41.7	
30-Sep-20	Cloudy	15:00	52.6	41.9	
30-Sep-20	Cloudy	15:05	56.2	41.3	

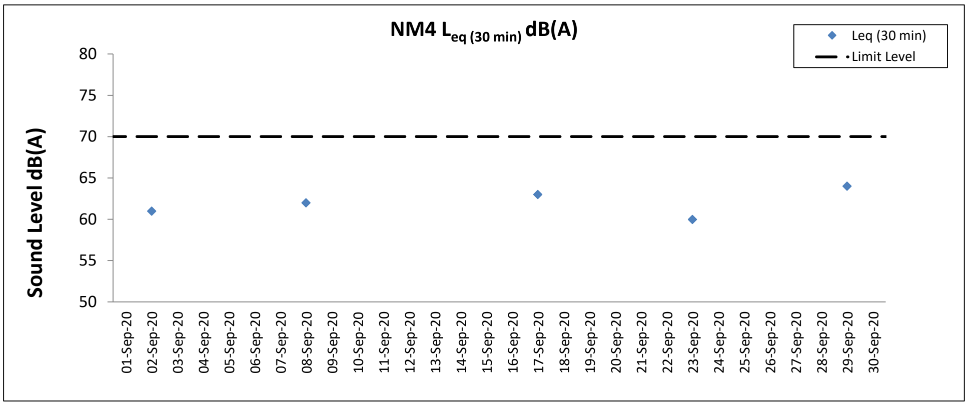
Remarks:
+3dB (A) correction was applied to free-field measurement.

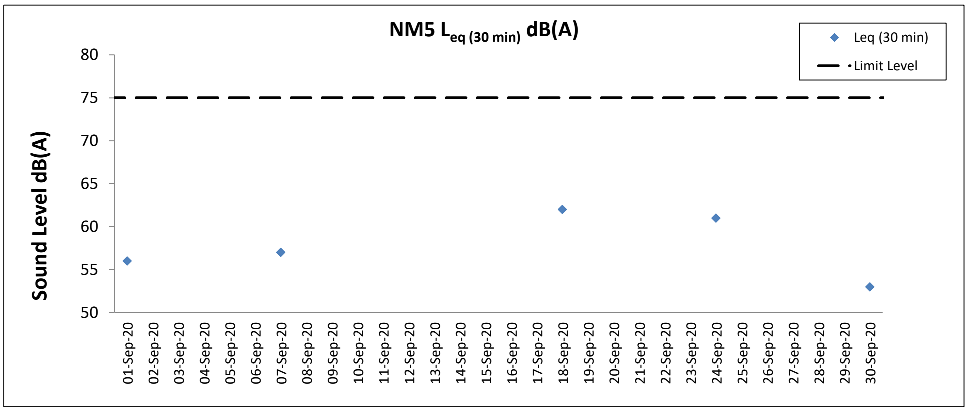
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

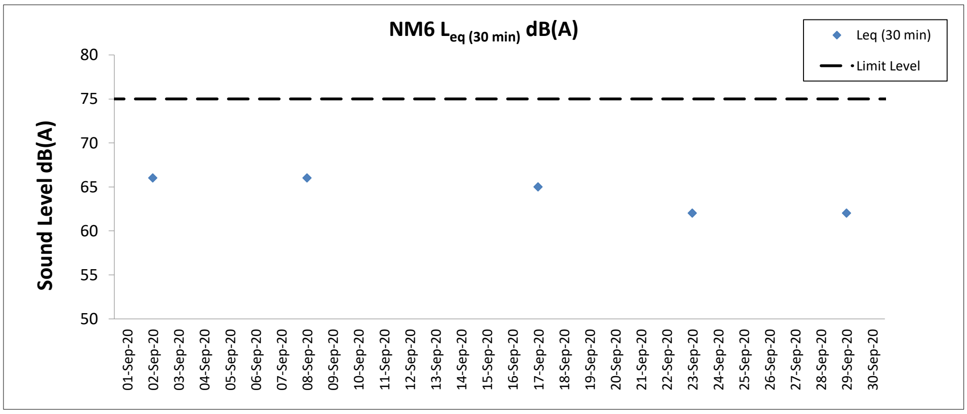
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
02-Sep-20	Cloudy	15:41	50.9	41.9	66
02-Sep-20	Cloudy	15:46	69.6	43.5	
02-Sep-20	Cloudy	15:51	53.9	45.1	
02-Sep-20	Cloudy	15:56	64.6	44.7	
02-Sep-20	Cloudy	16:01	52.4	42.5	
02-Sep-20	Cloudy	16:06	52.9	43.1	
08-Sep-20	Cloudy	12:04	68.5	56.0	66
08-Sep-20	Cloudy	12:09	64.0	55.0	
08-Sep-20	Cloudy	12:14	64.5	57.5	
08-Sep-20	Cloudy	12:19	64.5	57.2	
08-Sep-20	Cloudy	12:24	64.1	57.9	
08-Sep-20	Cloudy	12:29	61.6	57.8	
17-Sep-20	Cloudy	15:36	58.8	42.3	65
17-Sep-20	Cloudy	15:41	64.4	42.7	
17-Sep-20	Cloudy	15:46	68.7	51.1	
17-Sep-20	Cloudy	15:51	56.1	49.6	
17-Sep-20	Cloudy	15:56	59.9	53.1	
17-Sep-20	Cloudy	16:01	66.4	55.7	
23-Sep-20	Cloudy	15:45	69.2	58.2	62
23-Sep-20	Cloudy	15:50	71.0	57.7	
23-Sep-20	Cloudy	15:55	70.7	57.0	
23-Sep-20	Cloudy	16:00	67.9	56.3	
23-Sep-20	Cloudy	16:05	67.3	56.3	
23-Sep-20	Cloudy	16:10	67.2	56.4	
29-Sep-20	Cloudy	15:45	65.2	55.4	62
29-Sep-20	Cloudy	15:50	65.5	55.7	
29-Sep-20	Cloudy	15:55	72.3	58.6	
29-Sep-20	Cloudy	16:00	70.9	63.9	
29-Sep-20	Cloudy	16:05	60.9	55.8	
29-Sep-20	Cloudy	16:10	59.7	55.1	

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









Notes

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

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	11:54	9.0	Surface	1.0	0.3	238	29.2	29.2	8.7	8.7	24.1	24.1	112.6	112.4	7.6	6.5	4.2	6.3	4	4	86	89	815610	804234	<0.2	<0.2	1.2	1.3
						1.0	0.3	256	29.2		8.7		24.1		112.2		7.5		4.5		4		87				<0.2		1.3	
					Middle	4.5	0.5	209	28.1	28.1	8.7	8.6	27.9	28.0	80.2	80.2	5.4		6.2		4		90				<0.2		1.3	
						4.5	0.5	222	28.1		8.6		28.0		80.2		5.4		6.1		4		90				<0.2		1.3	
					Bottom	8.0	0.3	204	27.5	27.5	8.6	8.6	30.5	30.5	71.9	72.0	4.8	4.8	8.5		3		91				<0.2		1.2	
						8.0	0.4	210	27.5		8.6		30.4		72.1		4.8		8.4		3		92				<0.2		1.4	
C2	Cloudy	Moderate	10:54	11.7	Surface	1.0	0.6	174	28.5	28.5	8.0	8.0	24.3	24.3	73.7	73.8	5.0	4.8	5.3	9.7	3	5	86	88	825687	806938	<0.2	<0.2	1.2	1.3
						1.0	0.6	184	28.5		8.0		24.3		73.8		5.0		5.4		4		86				<0.2		1.3	
					Middle	5.9	0.3	174	28.0	28.0	7.9	7.9	25.7	25.7	66.6	66.5	4.5		9.4		4		88				<0.2		1.3	
						5.9	0.3	176	28.0		7.9		25.7		66.3		4.5		9.5		4		88				<0.2		1.2	
					Bottom	10.7	0.4	159	27.5	27.5	8.0	8.0	27.9	27.9	64.1	64.2	4.3	4.3	14.2		6		90				<0.2		1.4	
						10.7	0.4	164	27.5		8.0		27.9		64.2		4.3		14.3		6		90				<0.2		1.2	
C3	Cloudy	Moderate	12:30	11.0	Surface	1.0	0.7	103	28.1	28.1	8.0	8.0	26.1	26.1	76.9	76.9	5.2	5.1	3.7	5.8	6	6	86	88	822118	817819	<0.2	<0.2	1.5	1.4
						1.0	0.7	107	28.1		8.0		26.2		76.8		5.2		3.7		7		87				<0.2		1.6	
					Middle	5.5	0.4	87	27.9	27.9	8.0	8.0	27.0	27.0	74.4	74.4	5.0		3.9		6		88				<0.2		1.4	
						5.5	0.4	89	27.9		8.0		27.0		74.4		5.0		4.1		6		88				<0.2		1.3	
					Bottom	10.0	0.5	35	26.9	26.9	8.0	8.0	29.2	29.2	67.6	67.7	4.6	4.6	9.5		5		90				<0.2		1.3	
						10.0	0.5	35	26.9		8.0		29.2		67.8		4.6		9.6		5		90				<0.2		1.2	
IM1	Sunny	Calm	11:35	5.6	Surface	1.0	0.3	184	29.0	29.0	8.7	8.7	23.4	23.4	100.6	100.5	6.8	6.8	4.6	4.9	4	4	88	89	817945	807149	<0.2	<0.2	1.4	1.4
						1.0	0.3	188	29.0		8.7		23.5		100.3		6.8		4.7		4		88				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	177	28.8	28.8	8.6	8.6	26.3	26.3	87.3	87.5	5.8	5.9	5.3		3		90				<0.2		1.5	
						4.6	0.2	190	28.8		8.6		26.3		87.6		5.9		5.2		3		90				<0.2		1.4	
IM2	Sunny	Moderate	11:28	7.6	Surface	1.0	0.2	157	28.9	28.9	8.6	8.6	23.8	23.7	98.2	98.0	6.6	6.3	4.4	5.0	3	4	87	90	818165	806169	<0.2	<0.2	1.4	1.4
						1.0	0.2	168	28.9		8.6		23.7		97.8		6.6		4.5		3		87				<0.2		1.5	
					Middle	3.8	0.3	180	28.7	28.7	8.6	8.6	26.6	26.7	87.8	87.8	5.9		5.0		4		90				<0.2		1.5	
						3.8	0.3	181	28.6		8.6		26.8		87.7		5.9		5.0		4		90				<0.2		1.4	
					Bottom	6.6	0.3	179	28.5	28.5	8.6	8.6	27.4	27.4	83.0	83.3	5.5	5.6	5.4		4		93				<0.2		1.4	
						6.6	0.3	196	28.5		8.6		27.3		83.6		5.6		5.6		4		93				<0.2		1.4	
IM3	Sunny	Moderate	11:22	7.7	Surface	1.0	0.3	162	28.7	28.7	8.6	8.6	25.2	25.3	94.0	94.0	6.3	6.1	4.8	6.2	4	4	86	89	818786	805578	<0.2	<0.2	1.5	1.4
						1.0	0.3	171	28.7		8.6		25.4		94.0		6.3		4.8		4		86				<0.2		1.3	
					Middle	3.9	0.2	182	28.5	28.5	8.6	8.6	26.8	26.8	88.9	88.8	6.0		6.5		4		89				<0.2		1.4	
						3.9	0.2	184	28.5		8.6		26.9		88.7		5.9		6.7		4		89				<0.2		1.3	
					Bottom	6.7	0.2	144	28.4	28.4	8.6	8.6	27.4	27.3	82.6	82.7	5.5	5.5	7.2		3		92				<0.2		1.4	
						6.7	0.2	150	28.4		8.6		27.3		82.8		5.5		7.4		3		92				<0.2		1.5	
IM4	Sunny	Moderate	11:13	8.8	Surface	1.0	0.4	201	28.5	28.5	8.6	8.6	25.9	25.9	83.8	83.7	5.6	5.4	6.6	8.2	5	5	87	91	819727	804608	<0.2	<0.2	1.4	1.4
						1.0	0.4	210	28.4		8.6		25.9		83.6		5.6		6.6		5		88				<0.2		1.4	
					Middle	4.4	0.3	164	28.2	28.2	8.6	8.6	27.5	27.5	76.7	76.7	5.1		8.6		5		92				<0.2		1.2	
						4.4	0.3	167	28.2		8.6		27.4		76.6		5.1		8.7		4		92				<0.2		1.3	
					Bottom	7.8	0.4	155	27.9	28.0	8.7	8.7	28.6	28.6	69.6	69.7	4.7	4.7	9.3		4		94				<0.2		1.4	
						7.8	0.4	163	28.0		8.7		28.6		69.8		4.7		9.3		4		94				<0.2		1.4	
IM5	Sunny	Moderate	11:07	8.4	Surface	1.0	0.5	222	28.7	28.7	8.7	8.7	25.2	25.2	83.6	83.5	5.6	5.3	7.7	8.3	5	5	86	89	820747	804855	<0.2	<0.2	1.3	1.3
						1.0	0.5	223	28.6		8.7		25.2		83.4		5.6		7.7		5		87				<0.2		1.3	
					Middle	4.2	0.4	203	28.2	28.2	8.7	8.7	27.5	27.6	75.3	75.1	5.0		8.1		5		88				<0.2		1.4	
						4.2	0.5	204	28.2		8.7		27.7		74.8		5.0		8.3		5		88				<0.2		1.3	
					Bottom	7.4	0.4	200	28.1	28.2	8.7	8.7	28.4	28.4	73.7	73.9	4.9	4.9	9.1		5		93				<0.2		1.4	
						7.4	0.4	213	28.2		8.7		28.3		74.0		4.9		9.1		4		93				<0.2		1.2	
IM6	Sunny	Moderate	11:01	8.1	Surface	1.0	0.3	260	28.7	28.7	8.8	8.8	24.8	24.8	82.3	82.2	5.6	5.3	7.0	9.0	5	5	87	90	821078	805820	<0.2	<0.2	1.2	1.4
						1.0	0.4	282	28.6		8.8		24.9		82.1		5.5		7.1		5		87				<0.2		1.3	
					Middle	4.1	0.2	199	28.3	28.3	8.8	8.8	27.4	27.4	74.9	74.9	5.0		9.5		5		90				<0.2		1.5	
						4.1	0.2	201	28.3		8.8		27.4		74.9		5.0		9.4		5		91				<0.2		1.4	
					Bottom	7.1	0.2	199	28.3	28.3	8.8	8.8	27.5	27.5	75.8	76.0	5.1	5.1	10.7		4		92				<0.2		1.5	
						7.1	0.3	214	28.3		8.8		27.5		76.1		5.1		10.6		4		93				<0.2		1.4	
IM7	Sunny	Moderate	10:55	9.6	Surface	1.0	0.1	266	29.2	29.2	8.7	8.7	23.4	23.4	75.4	75.4	5.1	5.1	7.6	8.4	6	5	87	89	821362	806829	<0.2	<0.2	1.3	1.4
						1.0	0.1	288	29.1		8.8		23.4		75.4		5.1		7.5		6		87				<0.2		1.3	
					Middle	4.8	0.1	228	28.7	28.7	8.8	8.8	25.8	25.8	75.9	75.9	5.1		8.6		5		88				<0.2		1.4	
						4.8	0.1	233	28.7		8.8		25.8		75.9		5.1		8.4		5		88				<0.2		1.3	
					Bottom	8.6	0.2	150	28.3	28.3	8.8	8.8	27.6	27.5	71.4	71.5	4.8	4.8	9.4		4		91				<0.2		1.4	
						8.6	0.2	154	28.3		8.8		27.5		71.6		4.8		9.3		4		92				<0.2		1.4	
IM8	Cloudy	Moderate	11:16	7.8	Surface	1.0	0.1	73	29.2	29.2	7.9	7.9	22.3	22.3	78.1	78.1	5.3	5.1	4.2	9.4	5	5	86	88	821811	808140	<0.2	<0.2	1.2	1.2
						1.0	0.1	74	29.1		7.9		22.3		78.0		5.3		4.8		5		87				<0.2		1.2	
					Middle	3.9	0.2	109	28.5	28.5	8.0	8.0	24.5	24.5	70.6	70.7	4.8		9.4		5		88				<0.2		1.3	
						3.9	0.2	115	28.5		8.0		24.5		70.7		4.8		9.4		5		88				<0.2		1.2	
					Bottom	6.8	0.2	54	28.1	28.1	8.0	8.0	26.0	26.0	73.1	73.1	4.9	4.9	14.4		5		90				<0.2		1.2	
						6.8	0.2	56	28.1		8.0		26.0		73.1		4.9		14.2		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 01 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:21	7.4	Surface	1.0	0.4	67	28.8	28.8	8.0	8.0	21.6	21.6	79.7	79.5	5.5	5.3	4.1	7.9	6	6	87	88	822082	808821	<0.2	<0.2	1.3	1.2
						1.0	0.4	67	28.7		8.0		21.6		79.3		5.4		4.2		6		86				<0.2		1.2	
					Middle	3.7	0.4	89	28.3	28.3	8.0	8.0	25.1	25.2	74.2	74.4	5.0		7.9		6		88				<0.2		1.2	
						3.7	0.4	95	28.3		8.0		25.3		74.5		5.1		8.0		5		88				<0.2		1.3	
					Bottom	6.4	0.3	84	28.2	28.2	8.0	8.0	25.6	25.6	75.9	76.0	5.1	5.1	11.5		5		90				<0.2		1.1	
						6.4	0.3	90	28.2		8.0		25.6		76.0		5.1		11.7		5		90				<0.2		1.3	
IM10	Cloudy	Moderate	11:27	7.6	Surface	1.0	0.7	87	28.6	28.6	8.0	8.0	22.9	22.9	80.0	79.9	5.5	5.2	3.6	7.0	6	5	86	88	822394	809812	<0.2	<0.2	1.2	1.2
						1.0	0.7	89	28.5		8.0		22.9		79.8		5.5		3.7		6		86				<0.2		1.1	
					Middle	3.8	0.8	90	28.2	28.2	8.0	8.0	25.2	25.2	72.6	72.6	4.9		6.5		5		87				<0.2		1.2	
						3.8	0.9	96	28.2		8.0		25.3		72.5		4.9		7.1		5		88				<0.2		1.2	
					Bottom	6.6	0.7	89	28.2	28.2	8.0	8.0	25.5	25.4	74.2	74.6	5.0	5.1	10.5		4		90				<0.2		1.2	
						6.6	0.7	95	28.2		8.0		25.4		75.0		5.1		10.5		4		90				<0.2		1.3	
IM11	Cloudy	Moderate	11:37	8.5	Surface	1.0	1.0	112	29.2	29.2	8.0	8.0	20.9	20.9	85.4	85.4	5.8	5.4	2.6	6.9	5	5	86	88	822043	811441	<0.2	<0.2	1.1	1.2
						1.0	1.1	114	29.2		8.0		20.9		85.4		5.8		2.6		5		87				<0.2		1.0	
					Middle	4.3	0.9	105	28.3	28.3	8.0	8.0	24.8	24.8	74.4	74.4	5.1		8.7		5		88				<0.2		1.2	
						4.3	0.9	114	28.3		8.0		24.8		74.3		5.0		8.9		5		88				<0.2		1.1	
					Bottom	7.5	0.6	95	28.2	28.2	8.0	8.0	25.2	25.2	76.2	76.3	5.2	5.2	9.5		4		90				<0.2		1.2	
						7.5	0.6	101	28.2		8.0		25.2		76.4		5.2		9.4		4		90				<0.2		1.3	
IM12	Cloudy	Moderate	11:42	8.1	Surface	1.0	0.8	113	28.8	28.8	7.9	7.9	22.9	22.8	81.8	81.8	5.6	5.3	4.0	8.7	3	4	86	88	821482	812033	<0.2	<0.2	1.5	1.3
						1.0	0.8	115	28.7		7.9		22.8		81.8		5.6		4.2		3		87				<0.2		1.3	
					Middle	4.1	0.8	91	28.1	28.1	7.9	7.9	24.7	24.7	74.0	74.0	5.0		9.4		4		87				<0.2		1.3	
						4.1	0.8	98	28.1		7.9		24.7		74.0		5.0		9.7		4		87				<0.2		1.2	
					Bottom	7.1	0.5	80	27.8	27.8	8.0	8.0	26.6	26.6	68.8	68.9	4.7	4.7	12.5		4		90				<0.2		1.3	
						7.1	0.5	87	27.8		8.0		26.6		69.0		4.7		12.5		4		90				<0.2		1.3	
SR1A	Cloudy	Moderate	11:58	5.2	Surface	1.0	-	-	29.0	29.0	8.0	8.0	23.3	23.4	82.5	82.5	5.6	5.6	5.6	5.9	9	9	-	-	819974	812660	-	-	-	-
						1.0	-	-	29.0		8.0		23.4		82.5		5.6		5.6		9		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	28.1	28.1	8.0	8.0	26.0	26.0	73.3	73.4	5.0	5.0	6.2		8		-				-		-	
						4.2	-	-	28.1		8.0		26.0		73.4		5.0		6.2		8		-				-		-	
SR2	Cloudy	Moderate	12:10	4.2	Surface	1.0	0.6	71	28.3	28.3	8.0	8.0	24.0	23.9	78.7	78.5	5.4	5.4	4.8	5.2	8	9	89	90	821464	814182	<0.2	<0.2	1.3	1.3
						1.0	0.6	75	28.2		8.0		23.8		78.3		5.3		4.9		8		88				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.3	40	28.1	28.1	8.0	8.0	25.6	25.6	78.3	78.7	5.3	5.4	5.5		10		90				<0.2		1.3	
						3.2	0.3	40	28.1		8.0		25.6		79.0		5.4		5.5		9		91				<0.2		1.4	
SR3	Cloudy	Moderate	11:11	9.8	Surface	1.0	0.1	89	29.0	29.0	7.9	7.9	23.2	23.2	74.0	74.0	5.0	4.8	4.5	9.0	5	5	-	-	822162	807561	-	-	-	-
						1.0	0.1	89	29.0		7.9		23.2		73.9		5.0		4.7		6		-				-		-	
					Middle	4.9	0.1	189	28.3	28.3	7.9	7.9	25.3	25.3	66.2	66.3	4.5		8.5		5		-				-		-	
						4.9	0.1	206	28.3		7.9		25.3		66.3		4.5		8.5		5		-				-		-	
					Bottom	8.8	0.0	101	28.2	28.2	8.0	8.0	25.9	25.9	72.9	73.3	4.9	5.0	13.9		4		-				-		-	
						8.8	0.0	101	28.2		8.0		25.9		73.7		5.0		13.9		4		-				-		-	
SR4A	Sunny	Calm	12:17	9.2	Surface	1.0	0.3	42	29.2	29.2	8.7	8.7	24.0	24.1	96.5	96.4	6.5	5.9	4.7	5.8	5	4	-	-	817192	807831	-	-	-	-
						1.0	0.3	45	29.2		8.8		24.1		96.2		6.5		5.2		5		-				-		-	
					Middle	4.6	0.2	43	28.5	28.5	8.8	8.8	27.1	27.1	79.3	79.0	5.3		5.9		4		-				-		-	
						4.6	0.2	44	28.5		8.8		27.1		78.7		5.3		5.9		4		-				-		-	
					Bottom	8.2	0.3	60	28.4	28.4	8.8	8.8	27.5	27.5	78.6	79.1	5.2	5.3	6.4		4		-				-		-	
						8.2	0.3	62	28.4		8.8		27.5		79.5		5.3		6.4		3		-				-		-	
SR5A	Sunny	Calm	12:33	3.9	Surface	1.0	0.1	5	30.0	30.0	8.7	8.7	25.1	25.1	109.2	109.1	7.2	7.2	8.2	8.0	4	6	-	-	816616	810706	-	-	-	-
						1.0	0.1	5	29.9		8.7		25.1		109.0		7.2		8.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	340	29.9	29.9	8.7	8.7	25.2	25.2	109.9	110.1	7.2	7.3	7.9		7		-				-		-	
						2.9	0.1	343	29.9		8.7		25.2		110.2		7.3		7.9		6		-				-		-	
SR6A	Sunny	Calm	13:11	4.4	Surface	1.0	0.1	6	29.2	29.2	8.7	8.7	25.3	25.4	88.2	88.3	5.9	5.9	10.4	10.7	6	7	-	-	817959	814757	-	-	-	-
						1.0	0.1	6	29.1		8.7		25.4		88.3		5.9		10.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	267	28.4	28.4	8.7	8.7	27.0	26.9	70.6	70.9	4.7	4.8	10.9		7		-				-		-	
						3.4	0.0	267	28.4		8.7		26.9		71.1		4.8		11.0		7		-				-		-	
SR7	Cloudy	Moderate	12:57	16.4	Surface	1.0	1.2	48	28.3	28.3	8.0	8.0	26.2	26.3	83.0	83.0	5.6	5.4	1.5	2.5	4	8	-	-	823614	823745	-	-	-	-
						1.0	1.3	52	28.2		8.0		26.3		83.0		5.6		1.6		5		-				-		-	
					Middle	8.2	0.6	22	27.6	27.6	8.0	8.0	27.2	27.2	75.4	75.3	5.1		2.3		7		-				-		-	
						8.2	0.6	23	27.6		8.0		27.2		75.2		5.1		2.4		7		-				-		-	
					Bottom	15.4	0.5	43	27.2	27.2	8.0	8.0	28.5	28.4	72.5	72.7	4.9	4.9	3.6		11		-				-		-	
						15.4	0.5	45	27.2		8.0		28.4		72.8		4.9		3.6		11		-				-		-	
SR8	Cloudy	Moderate	11:50	4.9	Surface	1.0	-	-	29.1	29.1	8.0	8.0	23.8	23.8	86.3	86.5	5.8	5.8	6.2	6.5	4	4	-	-	820385	811645	-	-	-	-
						1.0	-	-	29.1		8.0		23.8		86.6		5.8		6.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	29.2	29.2	8.0	8.0	24.0	24.0	89.0	89.4	6.0	6.0	6.8		4		-				-		-	
						3.9	-	-	29.2		8.0		24.0		89.7		6.0		6.7		4		-				-		-	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	05:59	9.0	Surface	1.0	0.4	43	28.7	28.7	8.4	8.4	21.8	22.0	89.0	88.9	6.1	5.5	5.1	6.9	6	5	87	90	815634	804224	<0.2	<0.2	1.3	1.2
						1.0	0.4	46	28.6		8.4		22.1		88.7		6.1		5.4		6		87				<0.2		1.2	
					Middle	4.5	0.4	36	27.8	27.8	8.3	8.3	29.0	29.1	73.2	73.1	4.9		7.1		5		91				<0.2		1.3	
						4.5	0.4	38	27.8		8.3		29.2		73.0		4.9		7.1		5		91				<0.2		1.2	
					Bottom	8.0	0.4	26	27.6	27.6	8.3	8.3	30.0	30.0	73.6	73.7	4.9	4.9	8.2		4		92				<0.2		1.2	
						8.0	0.4	27	27.6		8.3		30.0		73.8		4.9		8.6		4		92				<0.2		1.2	
C2	Cloudy	Moderate	06:17	12.4	Surface	1.0	0.3	343	28.6	28.6	8.0	8.0	20.6	20.5	75.9	75.9	5.3	5.1	5.4	8.8	5	7	86	88	825692	806961	<0.2	<0.2	1.3	1.4
						1.0	0.3	343	28.5		8.0		20.5		75.8		5.3		5.7		5		87				<0.2		1.4	
					Middle	6.2	0.5	1	28.1	28.1	8.0	8.0	25.3	25.3	70.4	70.4	4.8		8.3		8		88				<0.2		1.5	
						6.2	0.5	1	28.1		8.0		25.4		70.4		4.8		8.3		8		88				<0.2		1.4	
					Bottom	11.4	0.4	348	27.6	27.6	8.0	8.0	27.8	27.8	66.6	66.8	4.5	4.5	12.2		9		90				<0.2		1.5	
						11.4	0.5	320	27.6		8.0		27.8		66.9		4.5		12.8		8		90				<0.2		1.5	
C3	Cloudy	Moderate	04:38	12.0	Surface	1.0	0.5	296	28.1	28.1	8.0	8.0	25.5	25.6	75.2	75.1	5.1	5.0	3.1	5.7	7	6	86	89	822107	817813	<0.2	<0.2	1.1	1.2
						1.0	0.5	313	28.0		8.0		25.7		75.0		5.1		3.2		7		88				<0.2		1.1	
					Middle	6.0	0.4	272	27.7	27.7	8.0	8.0	26.6	26.6	70.2	70.2	4.8		3.9		6		88				<0.2		1.2	
						6.0	0.4	272	27.7		8.0		26.6		70.2		4.8		3.9		6		88				<0.2		1.2	
					Bottom	11.0	0.4	280	26.6	26.6	8.0	8.0	30.0	30.0	64.9	65.1	4.4	4.4	9.7		5		91				<0.2		1.2	
						11.0	0.4	304	26.5		8.0		30.1		65.2		4.4		10.7		5		91				<0.2		1.2	
IM1	Fine	Calm	06:17	5.5	Surface	1.0	0.3	14	28.5	28.5	8.4	8.4	27.3	27.3	78.3	78.4	5.2	5.2	7.4	8.3	5	5	86	88	817953	807118	<0.2	<0.2	1.1	1.1
						1.0	0.3	14	28.5		8.4		27.3		78.5		5.2		7.6		5		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.2	1	28.3	28.3	8.3	8.3	27.8	27.8	79.6	79.7	5.3	5.3	9.2		4		89				<0.2		1.0	
						4.5	0.2	1	28.3		8.3		27.8		79.8		5.3		9.1		4		90				<0.2		1.2	
IM2	Fine	Moderate	06:24	7.6	Surface	1.0	0.4	359	28.8	28.8	8.4	8.4	25.0	24.9	91.7	91.7	6.2	6.0	5.0	5.5	6	6	86	89	818174	806178	<0.2	<0.2	1.2	1.1
						1.0	0.5	330	28.8		8.4		24.9		91.7		6.2		5.0		6		86				<0.2		1.0	
					Middle	3.8	0.4	353	28.7	28.7	8.4	8.4	26.3	26.3	85.8	85.7	5.7		5.1		6		90				<0.2		1.1	
						3.8	0.4	325	28.7		8.4		26.3		85.5		5.7		5.1		6		90				<0.2		1.0	
					Bottom	6.6	0.3	347	28.1	28.1	8.4	8.3	28.4	28.4	78.3	78.4	5.2	5.2	6.4		5		91				<0.2		1.0	
						6.6	0.3	319	28.1		8.3		28.3		78.5		5.2		6.3		5		91				<0.2		1.0	
IM3	Fine	Moderate	06:31	8.0	Surface	1.0	0.4	349	28.7	28.7	8.4	8.4	24.5	24.5	81.0	80.9	5.5	5.4	6.2	7.1	7	6	87	89	818791	805605	<0.2	<0.2	1.2	1.1
						1.0	0.4	357	28.7		8.4		24.4		80.7		5.5		6.2		7		87				<0.2		1.2	
					Middle	4.0	0.4	347	28.7	28.7	8.4	8.4	26.1	26.2	79.3	79.3	5.3		6.3		6		90				<0.2		1.1	
						4.0	0.4	319	28.6		8.4		26.2		79.2		5.3		6.3		6		90				<0.2		1.0	
					Bottom	7.0	0.4	304	28.0	28.0	8.3	8.3	28.6	28.6	73.6	73.7	4.9	4.9	8.8		5		91				<0.2		1.0	
						7.0	0.4	332	28.0		8.3		28.6		73.8		4.9		8.9		5		91				<0.2		1.0	
IM4	Fine	Moderate	06:42	8.8	Surface	1.0	0.7	332	28.8	28.8	8.4	8.4	23.4	23.3	79.1	79.0	5.4	5.0	6.2	7.5	2	3	86	89	819737	804627	<0.2	<0.2	1.0	1.1
						1.0	0.7	346	28.8		8.4		23.2		78.8		5.4		6.3		3		86				<0.2		1.0	
					Middle	4.4	0.6	321	28.1	28.1	8.3	8.3	28.1	28.1	67.9	67.8	4.5		7.5		3		89				<0.2		1.0	
						4.4	0.7	332	28.1		8.3		28.1		67.6		4.5		7.5		3		90				<0.2		1.0	
					Bottom	7.8	0.4	328	28.0	28.0	8.3	8.3	28.5	28.5	66.9	67.0	4.5	4.5	8.8		4		90				<0.2		1.1	
						7.8	0.5	354	28.0		8.3		28.5		67.1		4.5		9.0		4		91				<0.2		1.3	
IM5	Fine	Moderate	06:48	8.2	Surface	1.0	1.0	7	28.6	28.6	8.4	8.4	25.8	25.8	78.2	78.2	5.3	5.1	7.2	7.7	3	4	86	89	820716	804844	<0.2	<0.2	1.1	1.3
						1.0	1.1	7	28.6		8.4		25.9		78.1		5.2		7.1		4		87				<0.2		1.2	
					Middle	4.1	0.9	4	28.4	28.4	8.3	8.3	27.2	27.2	73.6	73.6	4.9		7.9		4		90				<0.2		1.1	
						4.1	0.9	4	28.4		8.3		27.2		73.5		4.9		7.8		4		90				<0.2		1.0	
					Bottom	7.2	0.7	8	28.3	28.3	8.3	8.3	27.3	27.3	74.1	74.3	5.0	5.0	8.3		5		91				<0.2		1.6	
						7.2	0.8	8	28.3		8.3		27.3		74.5		5.0		8.1		5		92				<0.2		1.8	
IM6	Fine	Moderate	06:54	8.1	Surface	1.0	0.2	236	28.8	28.8	8.3	8.3	23.0	23.0	83.5	83.4	5.7	5.5	6.4	7.2	3	4	86	89	821042	805829	<0.2	<0.2	1.7	1.6
						1.0	0.2	255	28.7		8.3		23.1		83.3		5.7		6.2		3		87				<0.2		1.6	
					Middle	4.1	0.3	73	28.4	28.4	8.3	8.3	25.7	25.7	76.9	77.0	5.2		7.3		4		89				<0.2		1.6	
						4.1	0.3	75	28.3		8.3		25.7		77.0		5.2		7.6		4		90				<0.2		1.7	
					Bottom	7.1	0.3	68	28.1	28.2	8.3	8.3	28.0	28.0	73.5	73.6	4.9	4.9	8.0		5		91				<0.2		1.6	
						7.1	0.3	68	28.2		8.3		28.0		73.6		4.9		8.0		5		91				<0.2		1.5	
IM7	Fine	Moderate	07:02	9.1	Surface	1.0	0.1	254	29.1	29.1	8.3	8.3	23.0	23.0	83.0	83.0	5.6	5.5	6.0	7.5	4	3	87	89	821351	806830	<0.2	<0.2	1.6	1.6
						1.0	0.1	271	29.0		8.3		23.0		82.9		5.6		6.4		4		87				<0.2		1.6	
					Middle	4.6	0.1	126	28.7	28.7	8.3	8.3	24.7	24.7	78.6	78.7	5.3		7.8		3		90				<0.2		1.7	
						4.6	0.1	128	28.6		8.3		24.7		78.7		5.3		7.6		3		89				<0.2		1.5	
					Bottom	8.1	0.3	101	28.2	28.2	8.3	8.3	27.7	27.7	72.9	73.0	4.9	4.9	8.6		3		90				<0.2		1.6	
						8.1	0.3	106	28.2		8.3		27.7		73.1		4.9		8.7		3		91				<0.2		1.6	
IM8	Cloudy	Moderate	05:53	8.4	Surface	1.0	0.5	262	28.6	28.6	8.0	8.0	23.7	23.7	73.5	73.4	5.0	5.0	8.3	9.8	3	3	87	88	821812	808137	<0.2	<0.2	1.3	1.4
						1.0	0.5	275	28.6		8.0		23.8		73.3		5.0		8.5		3		88				<0.2		1.3	
					Middle	4.2	0.4	272	28.6	28.6	8.0	8.0	23.9	23.9	73.3	73.3	5.0		10.1		3		88				<0.2		1.4	
						4.2	0.4	294	28.6		8.0		23.9		73.3		5.0		10.2		3		87				<0.2		1.3	
					Bottom	7.4	0.2	271	28.6	28.6	8.0	8.0	23.9	23.9	74.0	74.1	5.0	5.0	11.0		3		90				<0.2		1.4	
						7.4	0.3	275	28.6		8.0		23.9		74.1		5.0		10.9		3		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 01 September 20 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	05:48	7.8	Surface	1.0	0.7	288	28.6	28.6	8.0	8.0	23.7	23.7	73.8	73.8	5.0	5.0	5.4	7.7	7	5	86	88	822104	808831	<0.2	<0.2	1.3	1.3
						1.0	0.7	292	28.5		8.0		23.7		73.7		5.0		5.5		7		86				<0.2		1.2	
					Middle	3.9	0.7	286	28.5	28.5	8.0	8.0	23.9	23.9	73.6	73.6	5.0		6.4		5		88				<0.2		1.3	
						3.9	0.7	291	28.5		8.0		23.9		73.6		5.0		6.7		5		87				<0.2		1.2	
					Bottom	6.8	0.6	282	28.5	28.5	8.0	8.0	24.0	24.0	76.0	76.2	5.2	5.2	11.0		3		90				<0.2		1.4	
						6.8	0.6	299	28.5		8.0		24.0		76.3		5.2		11.2		3		90				<0.2		1.4	
IM10	Cloudy	Moderate	05:42	8.4	Surface	1.0	0.6	297	28.5	28.5	8.0	8.0	23.3	23.3	74.1	74.0	5.1	5.0	4.3	8.1	4	4	86	88	822374	809807	<0.2	<0.2	1.3	1.3
						1.0	0.6	305	28.5		8.0		23.4		73.8		5.0		4.5		4		86				<0.2		1.4	
					Middle	4.2	0.6	296	28.5	28.5	8.0	8.0	24.2	24.2	72.4	72.4	4.9		6.9		4		88				<0.2		1.3	
						4.2	0.6	304	28.4		8.0		24.2		72.3		4.9		7.3		4		89				<0.2		1.2	
					Bottom	7.4	0.4	285	28.4	28.4	8.0	8.0	24.8	24.8	72.2	72.3	4.9	4.9	12.7		4		90				<0.2		1.2	
						7.4	0.4	286	28.4		8.0		24.8		72.3		4.9		12.7		4		90				<0.2		1.2	
IM11	Cloudy	Moderate	05:32	9.2	Surface	1.0	0.7	317	28.6	28.6	8.0	8.0	22.5	22.5	77.9	77.9	5.3	5.1	4.2	5.9	3	4	87	88	822053	811445	<0.2	<0.2	1.4	1.3
						1.0	0.7	325	28.5		8.0		22.5		77.8		5.3		4.3		3		86				<0.2		1.3	
					Middle	4.6	0.6	316	28.2	28.2	8.0	8.0	24.5	24.5	72.3	72.4	4.9		5.4		4		88				<0.2		1.3	
						4.6	0.7	345	28.1		8.0		24.4		72.4		4.9		5.3		4		87				<0.2		1.3	
					Bottom	8.2	0.5	304	27.5	27.6	8.0	8.0	27.9	27.9	67.0	67.2	4.5	4.5	8.3		5		90				<0.2		1.2	
						8.2	0.5	310	27.6		8.0		27.9		67.3		4.5		8.3		5		90				<0.2		1.3	
IM12	Cloudy	Moderate	05:27	9.4	Surface	1.0	0.5	288	28.4	28.4	8.0	8.0	23.2	23.2	74.9	74.7	5.1	4.9	6.3	7.7	3	4	86	88	821469	812029	<0.2	<0.2	1.3	1.3
						1.0	0.5	292	28.3		8.0		23.2		74.5		5.1		6.5		3		86				<0.2		1.2	
					Middle	4.7	0.6	282	28.1	28.1	8.0	8.0	25.7	25.8	69.4	69.4	4.7		8.2		4		88				<0.2		1.3	
						4.7	0.6	297	28.1		8.0		25.8		69.4		4.7		8.2		4		87				<0.2		1.3	
					Bottom	8.4	0.3	277	27.6	27.6	8.0	8.0	27.5	27.5	66.1	66.2	4.5	4.5	8.4		4		90				<0.2		1.4	
						8.4	0.3	289	27.6		8.0		27.5		66.3		4.5		8.9		4		90				<0.2		1.4	
SR1A	Cloudy	Moderate	05:10	5.0	Surface	1.0	-	-	28.7	28.7	8.0	8.0	22.8	22.8	79.9	79.9	5.5	5.5	3.6	3.8	3	4	-	-	819979	812654	-	-	-	-
						1.0	-	-	28.7		8.0		22.9		79.9		5.5		3.6		3		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	28.6	28.5	8.0	8.0	23.6	23.6	80.5	80.7	5.5	5.5	3.9		4		-				-		-	
						4.0	-	-	28.4		8.0		23.7		80.8		5.5		4.0		4		-				-		-	
SR2	Cloudy	Moderate	04:59	5.0	Surface	1.0	0.1	257	28.1	28.1	8.0	8.0	25.5	25.5	72.1	72.1	4.9	4.9	4.7	5.0	3	4	88	89	821484	814154	<0.2	<0.2	1.2	1.1
						1.0	0.1	282	28.1		8.0		25.6		72.0		4.9		4.8		4		88				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	285	27.9	27.9	8.0	8.0	26.2	26.2	72.1	72.2	4.9	4.9	5.2		4		90				<0.2		1.1	
						4.0	0.1	289	27.9		8.0		26.2		72.3		4.9		5.3		4		90				<0.2		1.0	
SR3	Cloudy	Moderate	05:58	9.6	Surface	1.0	0.2	260	28.9	28.9	8.0	8.0	22.7	22.7	76.4	76.3	5.2	5.2	2.9	6.4	4	5	-	-	822162	807591	-	-	-	-
						1.0	0.2	277	28.9		8.0		22.7		76.2		5.2		2.9		4		-				-		-	
					Middle	4.8	0.2	260	28.5	28.5	8.0	8.0	23.6	23.6	74.6	74.6	5.1		6.3		5		-				-		-	
						4.8	0.2	281	28.5		8.0		23.6		74.5		5.1		6.6		5		-				-		-	
					Bottom	8.6	0.1	41	28.2	28.2	8.0	8.0	25.8	25.8	70.3	70.4	4.8	4.8	9.8		6		-				-		-	
						8.6	0.1	42	28.2		8.0		25.8		70.4		4.8		9.9		6		-				-		-	
SR4A	Fine	Calm	05:36	9.4	Surface	1.0	0.3	258	28.9	28.9	8.4	8.4	25.4	25.4	85.2	85.1	5.7	5.4	6.7	8.1	4	5	-	-	817177	807822	-	-	-	-
						1.0	0.3	279	28.9		8.4		25.4		85.0		5.7		6.8		4		-				-		-	
					Middle	4.7	0.1	37	28.6	28.6	8.3	8.3	27.3	27.3	76.7	76.8	5.1		8.0		5		-				-		-	
						4.7	0.1	38	28.6		8.3		27.3		76.9		5.1		8.1		5		-				-		-	
					Bottom	8.4	0.1	112	28.5	28.5	8.3	8.3	27.8	27.8	72.5	72.7	4.8	4.8	9.5		6		-				-		-	
						8.4	0.1	116	28.5		8.3		27.7		72.8		4.8		9.5		6		-				-		-	
SR5A	Fine	Calm	05:19	3.6	Surface	1.0	0.0	294	29.2	29.2	8.4	8.4	25.1	25.1	92.4	92.4	6.2	6.2	7.1	7.1	5	5	-	-	816591	810697	-	-	-	-
						1.0	0.0	306	29.2		8.4		25.1		92.4		6.2		7.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.0	347	29.2	29.2	8.3	8.3	25.1	25.1	92.9	93.0	6.2	6.2	7.1		4		-				-		-	
						2.6	0.0	352	29.1		8.3		25.1		93.0		6.2		7.0		4		-				-		-	
SR6A	Fine	Calm	04:53	4.6	Surface	1.0	0.1	192	28.7	28.7	8.9	8.9	24.8	24.8	81.2	81.0	5.5	5.5	7.2	8.2	2	2	-	-	817969	814756	-	-	-	-
						1.0	0.1	197	28.7		8.9		24.8		80.8		5.4		7.4		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	211	28.6	28.7	8.9	8.9	26.3	26.2	72.6	72.7	4.9	4.9	9.2		2		-				-		-	
						3.6	0.1	225	28.7		8.9		26.2		72.7		4.9		9.1		2		-				-		-	
SR7	Cloudy	Moderate	04:06	16.0	Surface	1.0	0.0	139	28.2	28.2	7.9	7.9	25.0	25.0	78.1	78.1	5.3	5.0	1.8	2.1	4	4	-	-	823643	823756	-	-	-	-
						1.0	0.0	148	28.2		7.9		25.1		78.0		5.3		1.8		4		-				-		-	
					Middle	8.0	0.1	141	27.1	27.1	7.8	7.8	28.5	28.5	67.4	67.4	4.7		2.4		4		-				-		-	
						8.0	0.1	151	27.1		7.8		28.6		67.4		4.7		2.4		4		-				-		-	
					Bottom	15.0	0.0	296	26.9	26.9	7.7	7.7	29.6	29.6	68.9	69.0	4.7	4.7	2.2		3		-				-		-	
						15.0	0.0	308	26.9		7.7		29.6		69.0		4.7		2.2		3		-				-		-	
SR8	Cloudy	Moderate	05:19	5.0	Surface	1.0	-	-	28.8	28.8	8.0	8.0	22.6	22.6	77.9	77.6	5.3	5.3	5.7	6.7	6	7	-	-	820394	811602	-	-	-	-
						1.0	-	-	28.8		8.0		22.7		77.3		5.3		5.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	28.4	28.4	8.0	8.0	22.7	22.7	75.9	76.0	5.2	5.2	7.5		8		-				-		-	
						4.0	-	-	28.4		8.0		22.7		76.1		5.2		7.7		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 03 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	13:10	9.0	Surface	1.0	0.4	239	29.0	29.0	8.0	8.0	25.8	25.8	96.8	96.8	6.5	5.7	4.2	6.2	3	3	86	89	815640	804248	<0.2	<0.2	1.1	1.1
						1.0	0.4	261	29.0		8.0		25.8		96.8		6.5		4.3		3		86				<0.2		1.1	
					Middle	4.5	0.4	193	27.2	27.2	8.1	8.1	30.5	30.5	71.3	71.2	4.8		6.2		4		88				<0.2		1.0	
						4.5	0.5	198	27.2		8.1		30.5		71.0		4.8		6.2		3		89				<0.2		1.0	
					Bottom	8.0	0.4	208	27.0	27.0	8.1	8.1	31.2	31.1	70.3	70.5	4.7	4.7	8.2		3		91				<0.2		1.2	
						8.0	0.4	220	27.0		8.1		31.1		70.7		4.7		8.1		4		91				<0.2		1.1	
C2	Cloudy	Moderate	12:06	13.1	Surface	1.0	0.5	157	29.6	29.6	8.0	8.0	22.6	22.6	81.2	81.1	5.5	5.1	2.8	6.2	5	4	86	89	825689	806950	<0.2	<0.2	1.3	1.4
						1.0	0.5	165	29.6		8.0		22.6		80.9		5.4		2.8		4		86				<0.2		1.5	
					Middle	6.6	0.3	179	28.1	28.1	8.0	8.0	26.0	26.0	70.7	70.7	4.8		8.2		4		89				<0.2		1.4	
						6.6	0.3	195	28.1		8.0		26.0		70.6		4.8		8.2		3		90				<0.2		1.4	
					Bottom	12.1	0.2	163	27.6	27.6	8.0	8.0	27.1	27.1	68.5	68.6	4.6	4.7	7.6		4		92				<0.2		1.4	
						12.1	0.2	171	27.6		8.0		27.1		68.6		4.7		7.7		3		93				<0.2		1.2	
C3	Foggy	Moderate	14:05	11.8	Surface	1.0	0.6	96	28.1	28.1	8.0	8.0	26.7	26.7	79.6	79.6	5.4	5.4	2.8	3.3	5	4	85	90	822095	817798	<0.2	<0.2	1.0	0.9
						1.0	0.6	96	28.0		8.0		26.7		79.5		5.4		2.8		4		86				<0.2		0.9	
					Middle	5.9	0.2	83	27.8	27.8	8.0	8.0	27.1	27.2	78.5	78.5	5.3		2.8		4		89				<0.2		0.8	
						5.9	0.2	84	27.8		8.0		27.2		78.5		5.3		2.9		5		90				<0.2		0.8	
					Bottom	10.8	0.4	30	27.3	27.3	8.0	8.0	28.1	28.1	72.3	72.2	4.9	4.9	4.4		4		93				<0.2		0.9	
						10.8	0.4	32	27.3		8.0		28.1		72.1		4.9		4.2		4		94				<0.2		0.9	
IM1	Cloudy	Moderate	12:52	5.5	Surface	1.0	0.3	190	29.4	29.4	8.2	8.2	25.3	25.3	92.5	92.5	6.2	6.2	3.9	10.9	2	3	87	88	817936	807149	<0.2	<0.2	1.1	1.1
						1.0	0.3	197	29.4		8.2		25.3		92.4		6.2		3.9		3		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.2	159	28.2	28.2	8.1	8.1	28.0	28.0	72.3	72.4	4.8	4.8	17.9		3		89				<0.2		1.1	
						4.5	0.2	169	28.2		8.1		28.0		72.4		4.8		17.9		3		89				<0.2		1.0	
IM2	Cloudy	Moderate	12:44	7.5	Surface	1.0	0.3	191	29.1	29.1	8.1	8.1	25.6	25.6	92.5	92.5	6.2	5.7	5.0	6.8	<2	2	85	87	818172	806161	<0.2	<0.2	1.0	1.1
						1.0	0.3	203	29.0		8.1		25.6		92.4		6.2		5.2		<2		84				<0.2		1.0	
					Middle	3.8	0.2	174	28.2	28.2	8.1	8.1	27.7	27.7	76.6	76.6	5.1		6.9		2		87				<0.2		1.1	
						3.8	0.3	184	28.2		8.1		27.7		76.6		5.1		6.9		3		88				<0.2		1.1	
					Bottom	6.5	0.2	130	27.7	27.7	8.1	8.1	29.2	29.2	73.0	73.1	4.9	4.9	8.5		2		89				<0.2		1.0	
						6.5	0.3	134	27.7		8.1		29.2		73.2		4.9		8.4		3		89				<0.2		1.1	
IM3	Cloudy	Moderate	12:37	7.8	Surface	1.0	0.2	173	28.7	28.7	8.1	8.1	26.2	26.2	90.5	90.5	6.1	5.7	4.3	5.9	3	4	85	87	818795	805601	<0.2	<0.2	1.0	1.0
						1.0	0.2	173	28.7		8.1		26.2		90.5		6.1		4.3		3		85				<0.2		1.0	
					Middle	3.9	0.1	139	27.9	27.9	8.2	8.2	28.5	28.5	79.9	79.9	5.4		4.8		4		88				<0.2		1.1	
						3.9	0.1	140	27.9		8.2		28.6		79.9		5.3		5.2		4		87				<0.2		0.9	
					Bottom	6.8	0.2	121	27.7	27.7	8.1	8.1	29.1	29.1	74.5	74.6	5.0	5.0	8.3		4		89				<0.2		1.0	
						6.8	0.2	123	27.7		8.1		29.1		74.6		5.0		8.2		5		89				<0.2		1.2	
IM4	Cloudy	Moderate	12:28	8.8	Surface	1.0	0.5	203	28.9	28.9	8.0	8.0	26.2	26.2	79.0	79.1	5.3	5.0	6.6	8.7	6	6	84	87	819720	804613	<0.2	<0.2	1.0	1.1
						1.0	0.6	218	28.9		8.0		26.2		79.1		5.3		6.6		6		85				<0.2		1.1	
					Middle	4.4	0.4	158	27.7	27.7	8.1	8.1	29.1	29.1	70.5	70.5	4.7		8.4		6		87				<0.2		0.9	
						4.4	0.4	168	27.7		8.1		29.2		70.4		4.7		8.5		5		87				<0.2		1.1	
					Bottom	7.8	0.3	155	27.6	27.6	8.1	8.1	29.3	29.3	71.1	71.2	4.8	4.8	11.0		5		89				<0.2		1.2	
						7.8	0.4	156	27.6		8.1		29.3		71.2		4.8		11.1		6		89				<0.2		1.2	
IM5	Cloudy	Moderate	12:20	7.6	Surface	1.0	0.5	221	29.0	29.0	8.1	8.1	25.8	25.8	82.2	82.1	5.5	5.2	5.6	9.2	5	4	84	87	820730	804873	<0.2	<0.2	1.0	1.1
						1.0	0.5	230	29.0		8.1		25.8		82.0		5.5		5.7		5		85				<0.2		1.0	
					Middle	3.8	0.4	186	27.8	27.8	8.1	8.1	28.8	28.8	72.0	72.1	4.8		9.3		4		87				<0.2		1.0	
						3.8	0.4	201	27.8		8.1		28.8		72.1		4.8		9.5		4		87				<0.2		1.1	
					Bottom	6.6	0.4	180	27.8	27.8	8.1	8.1	28.9	28.9	75.1	75.2	5.0	5.0	12.2		4		89				<0.2		1.1	
						6.6	0.5	194	27.8		8.1		28.9		75.2		5.0		12.9		4		89				<0.2		1.1	
IM6	Cloudy	Moderate	12:13	8.1	Surface	1.0	0.3	268	29.3	29.3	8.1	8.1	24.9	24.9	86.0	86.0	5.7	5.4	4.8	8.6	4	4	85	87	821061	805827	<0.2	<0.2	1.1	1.2
						1.0	0.4	288	29.3		8.1		24.9		86.0		5.7		4.8		5		85				<0.2		1.2	
					Middle	4.1	0.2	194	28.2	28.2	8.2	8.2	27.8	27.8	74.6	74.6	5.0		9.3		5		87				<0.2		1.1	
						4.1	0.3	202	28.2		8.2		27.8		74.6		5.0		9.5		4		87				<0.2		1.1	
					Bottom	7.1	0.2	185	28.2	28.2	8.2	8.2	27.9	27.9	76.9	77.0	5.1	5.2	11.7		4		89				<0.2		1.2	
						7.1	0.2	192	28.2		8.2		27.8		77.0		5.2		11.7		4		89				<0.2		1.3	
IM7	Cloudy	Moderate	12:06	9.4	Surface	1.0	0.2	224	29.1	29.1	7.9	7.9	25.2	25.2	83.5	83.5	5.6	5.4	5.8	7.7	4	4	85	87	821351	806849	<0.2	<0.2	1.2	1.3
						1.0	0.2	242	29.1		7.9		25.3		83.4		5.6		5.9		4		84				<0.2		1.3	
					Middle	4.7	0.1	255	28.7	28.7	8.0	8.0	26.2	26.2	78.3	78.4	5.2		7.5		4		87				<0.2		1.3	
						4.7	0.1	270	28.7		8.0		26.2		78.4		5.2		7.4		5		87				<0.2		1.2	
					Bottom	8.4	0.1	144	28.2	28.2	8.2	8.2	27.6	27.6	74.5	74.6	5.0	5.0	9.7		4		89				<0.2		1.2	
						8.4	0.1	155	28.2		8.2		27.6		74.7		5.0		9.7		4		89				<0.2		1.3	
IM8	Cloudy	Moderate	12:38	8.5	Surface	1.0	0.1	179	28.7	28.7	8.0	8.0	24.6	24.5	72.2	72.4	4.9	4.7	6.2	9.4	8	7	83	89	821853	808152	<0.2	<0.2	1.1	1.1
						1.0	0.1	192	28.7		8.0		24.5		72.5		4.9		6.1		9		85				<0.2		1.1	
					Middle	4.3	0.0	152	28.2	28.2	7.9	7.9	25.8	25.8	67.2	67.1	4.5		9.7		7		89				<0.2		1.0	
						4.3	0.0	159	28.2		7.9		25.8		67.0		4.5		9.8		7		90				<0.2		1.0	
					Bottom	7.5	0.1	189	28.0	28.0	7.9	7.9	26.2	26.2	67.3	67.4	4.6	4.6	12.1		7		92				<0.2		1.0	
						7.5	0.1	194	28.0		7.9		26.2		67.5		4.6		12.3		6		93				<0.2		1.1	

DA: Depth-Averaged

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

<u>Value exceeding Action Level is underlined</u>; **<u>Value exceeding Limit Level is bolded and underlined</u>**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 03 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Cloudy	Moderate	12:44	8.0	Surface	1.0	0.1	89	28.8	28.8	8.0	8.0	24.6	24.6	74.0	74.0	5.0	4.9	4.8	9.4	6	7	85	89	822075	808794	<0.2	<0.2	1.0	1.1
						1.0	0.1	94	28.8		8.0		24.7		73.9		5.0		4.7		7		86				<0.2		1.1	
					Middle	4.0	0.3	135	28.1	28.1	8.0	8.0	26.0	26.0	69.0	69.0	4.7		10.4		7		89				<0.2		1.1	
						4.0	0.4	135	28.1		8.0		26.0		69.0		4.7		10.5		6		89				<0.2		1.0	
					Bottom	7.0	0.2	120	27.9	27.9	8.0	8.0	26.4	26.4	71.0	71.2	4.8	4.8	12.9		7		92				<0.2		1.0	
						7.0	0.2	125	27.9		8.0		26.4		71.3		4.8		12.9		6		93				<0.2		1.1	
IM10	Cloudy	Moderate	12:51	7.5	Surface	1.0	0.6	123	29.2	29.2	8.0	8.0	24.3	24.3	78.6	78.4	5.3	5.0	2.8	9.8	5	5	85	89	822388	809804	<0.2	<0.2	1.1	1.1
						1.0	0.6	127	29.2		8.0		24.3		78.2		5.3		2.8		5		86				<0.2		1.1	
					Middle	3.8	0.6	124	28.0	28.0	8.0	8.0	26.2	26.2	69.2	69.3	4.7		12.4		5		89				<0.2		1.0	
						3.8	0.6	131	28.0		8.0		26.2		69.3		4.7		12.6		4		89				<0.2		1.1	
					Bottom	6.5	0.4	123	27.9	27.9	8.0	8.0	26.3	26.3	71.6	71.7	4.9	4.9	14.4		4		93				<0.2		1.1	
						6.5	0.4	129	27.9		8.0		26.3		71.8		4.9		14.0		4		92				<0.2		1.0	
IM11	Cloudy	Moderate	13:00	7.9	Surface	1.0	0.8	135	29.0	29.0	8.0	8.0	24.3	24.3	82.4	82.3	5.5	5.3	2.2	9.0	3	4	83	89	822072	811441	<0.2	<0.2	1.1	1.1
						1.0	0.9	147	29.0		8.0		24.3		82.2		5.5		2.2		3		83				<0.2		1.1	
					Middle	4.0	0.6	123	28.4	28.4	8.0	8.0	25.4	25.4	75.9	76.0	5.1		12.0		3		90				<0.2		1.1	
						4.0	0.7	124	28.4		8.0		25.4		76.0		5.1		12.0		4		90				<0.2		1.1	
					Bottom	6.9	0.4	118	27.8	27.8	8.0	8.0	26.7	26.7	72.0	72.1	4.9	4.9	12.9		4		92				<0.2		1.1	
						6.9	0.4	124	27.8		8.0		26.7		72.2		4.9		12.9		4		93				<0.2		1.1	
IM12	Cloudy	Moderate	13:06	9.9	Surface	1.0	0.8	110	29.4	29.4	8.0	8.0	23.6	23.6	86.5	86.5	5.8	5.5	1.4	7.1	3	2	84	88	821467	812061	<0.2	<0.2	1.1	1.1
						1.0	0.8	111	29.4		8.0		23.6		86.4		5.8		1.4		2		85				<0.2		1.1	
					Middle	5.0	0.6	91	28.6	28.6	8.0	8.0	25.3	25.4	76.0	76.0	5.1		6.7		2		86				<0.2		1.1	
						5.0	0.6	99	28.5		8.0		25.4		76.0		5.1		6.6		2		89				<0.2		1.2	
					Bottom	8.9	0.3	81	27.8	27.8	8.0	8.0	26.7	26.7	72.1	72.3	4.9	4.9	13.4		2		92				<0.2		1.1	
						8.9	0.3	84	27.8		8.0		26.7		72.4		4.9		13.1		2		93				<0.2		1.2	
SR1A	Cloudy	Calm	13:26	4.8	Surface	1.0	-	-	28.8	28.8	8.0	8.0	24.9	24.9	78.3	78.2	5.3	5.3	4.9	5.2	6	6	-	-	819971	812656	-	-	-	-
						1.0	-	-	28.8		8.0		25.0		78.1		5.3		4.8		6		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.4	28.4	8.0	8.0	25.6	25.7	76.7	76.7	5.2	5.2	5.5		6		-				-		-	
						3.8	-	-	28.4		8.0		25.7		76.7		5.2		5.7		7		-				-		-	
SR2	Foggy	Moderate	13:38	4.0	Surface	1.0	0.4	117	29.1	29.1	8.0	8.0	24.4	24.4	86.1	86.1	5.8	5.8	2.2	3.8	2	3	89	91	821460	814158	<0.2	<0.2	1.0	1.1
						1.0	0.4	117	29.1		8.0		24.4		86.0		5.8		2.2		3		90				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	113	28.5	28.5	8.0	8.0	25.4	25.4	82.4	82.5	5.6	5.6	5.4		3		92				<0.2		1.1	
						3.0	0.1	114	28.5		8.0		25.4		82.6		5.6		5.4		3		92				<0.2		1.2	
SR3	Cloudy	Moderate	12:31	9.1	Surface	1.0	0.1	3	28.9	28.9	8.0	8.0	24.5	24.5	73.6	73.6	5.0	4.8	6.0	10.2	7	8	-	-	822126	807584	-	-	-	-
						1.0	0.1	3	28.9		8.0		24.5		73.5		5.0		6.0		7		-				-		-	
					Middle	4.6	0.1	225	28.1	28.1	8.0	8.0	26.1	26.1	66.0	66.0	4.5		10.7		8		-				-		-	
						4.6	0.1	230	28.1		8.0		26.1		66.0		4.5		11.0		8		-				-		-	
					Bottom	8.1	0.2	218	28.0	28.0	8.0	8.0	26.2	26.2	66.5	66.6	4.5	4.5	13.8		9		-				-		-	
						8.1	0.2	235	28.0		8.0		26.2		66.7		4.5		13.8		8		-				-		-	
SR4A	Cloudy	Calm	13:34	9.5	Surface	1.0	0.0	34	29.4	29.4	8.0	8.0	26.5	26.5	83.1	83.1	5.5	5.1	5.8	9.6	4	4	-	-	817169	807811	-	-	-	-
						1.0	0.0	34	29.4		8.0		26.5		83.0		5.5		5.8		3		-				-		-	
					Middle	4.8	0.1	67	28.1	28.1	8.1	8.1	28.1	28.1	70.3	70.3	4.7		9.5		4		-				-		-	
						4.8	0.1	70	28.1		8.1		28.1		70.2		4.7		9.5		3		-				-		-	
					Bottom	8.5	0.1	56	28.0	28.0	8.1	8.1	28.3	28.3	70.2	70.3	4.7	4.7	13.5		4		-				-		-	
						8.5	0.1	57	28.0		8.1		28.3		70.3		4.7		13.6		4		-				-		-	
SR5A	Cloudy	Calm	13:51	3.7	Surface	1.0	0.1	337	29.9	29.9	8.0	8.0	25.2	25.2	104.2	104.3	6.9	6.9	6.0	9.0	6	5	-	-	816576	810708	-	-	-	-
						1.0	0.1	339	29.9		8.0		25.2		104.4		6.9		6.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	332	29.3	29.3	8.1	8.1	25.6	25.6	92.2	92.2	6.1	6.1	12.1		4		-				-		-	
						2.7	0.1	305	29.3		8.1		25.6		92.2		6.1		11.9		5		-				-		-	
SR6A	Cloudy	Calm	14:25	4.2	Surface	1.0	0.1	11	29.9	29.9	8.0	8.0	24.9	24.9	99.4	99.4	6.6	6.6	7.5	8.4	8	6	-	-	817954	814761	-	-	-	-
						1.0	0.1	11	29.9		8.0		24.9		99.3		6.6		7.5		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	51	28.7	28.7	8.0	8.0	26.4	26.4	74.8	74.9	5.0	5.0	9.4		5		-				-		-	
						3.2	0.0	54	28.7		8.0		26.4		74.9		5.0		9.3		5		-				-		-	
SR7	Cloudy	Moderate	14:33	15.4	Surface	1.0	0.9	41	28.5	28.5	8.0	8.0	25.6	25.7	86.7	86.6	5.8	5.6	1.5	2.3	3	2	-	-	823619	823762	-	-	-	-
						1.0	0.9	42	28.5		8.0		25.7		86.5		5.8		1.5		3		-				-		-	
					Middle	7.7	0.5	6	27.5	27.5	8.0	8.0	27.6	27.6	79.2	79.2	5.4		2.7		2		-				-		-	
						7.7	0.5	6	27.5		8.0		27.7		79.2		5.4		2.7		2		-				-		-	
					Bottom	14.4	0.4	359	27.7	27.7	8.0	8.0	27.4	27.4	83.4	83.5	5.6	5.6	2.6		<2		-				-		-	
						14.4	0.4	330	27.7		8.0		27.4		83.5		5.6		2.6		<2		-				-		-	
SR8	Cloudy	Calm	13:17	4.6	Surface	1.0	-	-	29.3	29.3	8.0	8.0	24.9	24.9	82.0	82.0	5.5	5.5	5.2	5.9	4	5	-	-	820409	811611	-	-	-	-
						1.0	-	-	29.2		8.0		24.9		82.0		5.5		5.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	29.1	29.1	8.0	8.0	25.0	25.0	84.0	84.2	5.6	5.6	6.4		5		-				-		-	
						3.6	-	-	29.1		8.0		25.0		84.3		5.6		6.7		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 03 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Cloudy	Moderate	07:55	8.8	Surface	1.0	0.6	40	28.7	28.7	8.1	8.1	25.2	25.2	81.2	81.2	5.5	5.2	6.4	11.1	4	5	85	88	815601	804228	<0.2	<0.2	0.9	1.1
						1.0	0.7	40	28.7		8.1		25.2		81.2		5.5		6.9		4		84				<0.2		0.8	
					Middle	4.4	0.6	44	27.8	27.8	8.2	8.2	28.5	28.5	72.6	72.6	4.9		10.6		6		88				<0.2		1.1	
						4.4	0.7	46	27.8		8.2		28.5		72.6		4.9		10.6		6		88				<0.2		1.2	
					Bottom	7.8	0.4	34	27.2	27.2	8.1	8.1	30.6	30.6	66.8	66.9	4.5	4.5	15.9		6		90				<0.2		1.2	
						7.8	0.4	35	27.2		8.1		30.6		66.9		4.5		16.1		6		91				<0.2		1.1	
C2	Foggy	Moderate	08:15	12.6	Surface	1.0	0.5	343	29.0	29.0	7.9	7.9	22.4	22.4	74.2	74.2	5.1	4.9	3.6	9.0	3	3	86	90	825697	806927	<0.2	<0.2	1.3	1.3
						1.0	0.5	316	29.0		7.9		22.4		74.2		5.0		3.6		2		87				<0.2		1.4	
					Middle	6.3	0.6	329	28.6	28.6	7.9	7.9	24.2	24.2	70.7	70.7	4.8		7.9		2		89				<0.2		1.3	
						6.3	0.6	345	28.6		7.9		24.2		70.7		4.8		7.8		3		90				<0.2		1.3	
					Bottom	11.6	0.4	346	28.2	28.2	8.0	8.0	25.8	25.8	69.4	69.5	4.7	4.7	15.5		2		93				<0.2		1.2	
						11.6	0.4	356	28.2		8.0		25.8		69.6		4.7		15.4		3		94				<0.2		1.2	
C3	Foggy	Moderate	06:34	12.0	Surface	1.0	0.4	243	28.9	28.9	8.0	8.0	23.5	23.5	78.0	78.0	5.3	5.2	4.5	6.8	2	3	85	89	822090	817805	<0.2	<0.2	1.0	1.0
						1.0	0.5	244	28.9		8.0		23.5		78.0		5.3		4.5		3		86				<0.2		1.1	
					Middle	6.0	0.6	245	27.8	27.8	8.0	8.0	25.8	25.8	75.1	75.1	5.1		3.1		3		90				<0.2		1.0	
						6.0	0.6	252	27.7		8.0		25.9		75.0		5.1		3.1		2		89				<0.2		1.0	
					Bottom	11.0	0.6	262	26.7	26.7	8.0	8.0	29.1	29.1	69.1	69.2	4.7	4.7	12.6		3		91				<0.2		0.9	
						11.0	0.7	283	26.7		8.0		29.1		69.2		4.7		12.8		4		92				<0.2		0.8	
IM1	Cloudy	Moderate	08:12	5.6	Surface	1.0	0.2	355	28.9	28.9	8.1	8.1	25.6	25.6	80.7	80.7	5.4	5.4	6.3	8.2	5	5	87	88	817945	807152	<0.2	<0.2	1.0	1.0
						1.0	0.2	327	28.9		8.1		25.6		80.6		5.4		6.3		4		87				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	278	28.2	28.2	8.1	8.1	28.0	28.0	72.0	72.0	4.8	4.8	10.1		6		89				<0.2		1.0	
						4.6	0.2	286	28.2		8.1		28.0		72.0		4.8		10.1		6		89				<0.2		1.1	
IM2	Cloudy	Moderate	08:19	7.7	Surface	1.0	0.4	18	28.9	28.9	8.1	8.1	23.6	23.5	79.5	79.5	5.4	5.2	6.8	11.2	6	5	85	87	818169	806147	<0.2	<0.2	1.0	1.0
						1.0	0.4	19	28.8		8.1		23.5		79.5		5.4		7.2		5		85				<0.2		1.0	
					Middle	3.9	0.4	2	28.2	28.2	8.2	8.2	27.5	27.5	74.2	74.2	5.0		11.6		6		88				<0.2		1.0	
						3.9	0.4	2	28.2		8.2		27.5		74.2		5.0		11.6		5		87				<0.2		1.0	
					Bottom	6.7	0.3	346	28.3	28.3	8.1	8.1	27.6	27.6	76.5	76.6	5.1	5.1	15.1		4		89				<0.2		0.9	
						6.7	0.3	318	28.3		8.1		27.6		76.6		5.1		15.0		4		90				<0.2		1.0	
IM3	Cloudy	Moderate	08:26	8.0	Surface	1.0	0.5	13	28.9	28.9	8.0	8.0	23.1	23.1	81.0	81.0	5.5	5.2	4.9	8.2	4	4	85	87	818781	805608	<0.2	<0.2	1.2	1.2
						1.0	0.5	14	28.9		8.0		23.1		80.9		5.5		4.9		4		84				<0.2		1.1	
					Middle	4.0	0.4	319	28.2	28.2	8.0	8.0	26.8	26.8	72.4	72.3	4.9		8.2		4		88				<0.2		1.4	
						4.0	0.4	338	28.2		8.0		26.9		72.1		4.9		8.4		4		87				<0.2		1.2	
					Bottom	7.0	0.3	322	27.9	27.9	8.0	8.0	28.5	28.5	71.5	71.6	4.8	4.8	11.6		4		89				<0.2		1.0	
						7.0	0.3	332	27.9		8.0		28.5		71.6		4.8		11.3		4		89				<0.2		1.1	
IM4	Cloudy	Moderate	08:33	9.1	Surface	1.0	0.8	356	28.2	28.2	8.0	8.0	27.1	27.0	73.8	73.8	5.0	4.8	8.2	13.8	4	5	84	87	819744	804585	<0.2	<0.2	1.1	1.1
						1.0	0.8	328	28.2		8.0		27.0		73.8		5.0		8.1		5		84				<0.2		1.0	
					Middle	4.6	0.7	347	27.8	27.8	8.0	8.0	28.8	28.8	68.5	68.5	4.6		14.5		5		87				<0.2		1.1	
						4.6	0.8	354	27.8		8.0		28.8		68.5		4.6		14.6		4		88				<0.2		1.1	
					Bottom	8.1	0.6	355	27.8	27.8	8.0	8.0	28.8	28.8	69.4	69.5	4.6	4.7	18.9		5		90				<0.2		1.1	
						8.1	0.6	327	27.8		8.0		28.9		69.5		4.7		18.5		6		89				<0.2		1.1	
IM5	Cloudy	Moderate	08:40	7.3	Surface	1.0	1.1	8	28.7	28.7	8.0	8.0	25.8	25.9	76.6	76.6	5.1	5.0	6.0	9.6	4	5	84	87	820740	804881	<0.2	<0.2	1.1	1.1
						1.0	1.2	8	28.7		8.0		25.9		76.6		5.1		6.0		5		84				<0.2		1.1	
					Middle	3.7	0.9	11	28.1	28.1	8.0	8.0	27.9	27.9	71.3	71.3	4.8		10.6		5		87				<0.2		1.1	
						3.7	1.0	11	28.1		8.0		27.9		71.3		4.8		10.5		6		87				<0.2		1.1	
					Bottom	6.3	0.7	18	28.1	28.1	8.0	8.0	28.0	28.0	71.0	71.0	4.8	4.8	12.3		6		89				<0.2		1.1	
						6.3	0.8	18	28.1		8.0		28.0		71.0		4.8		12.5		6		88				<0.2		1.1	
IM6	Cloudy	Moderate	08:46	8.0	Surface	1.0	0.2	190	29.5	29.5	7.9	7.9	23.3	23.3	82.7	82.7	5.6	5.6	5.1	8.2	9	7	84	87	821066	805845	<0.2	<0.2	1.2	1.1
						1.0	0.2	200	29.4		7.9		23.3		82.6		5.6		5.2		8		85				<0.2		1.0	
					Middle	4.0	0.2	63	29.1	29.1	8.0	8.0	24.8	24.9	81.4	81.4	5.5		7.1		6		87				<0.2		1.1	
						4.0	0.2	64	29.1		8.0		24.9		81.4		5.5		7.2		6		87				<0.2		1.3	
					Bottom	7.0	0.1	42	28.7	28.7	8.0	8.0	26.3	26.3	79.8	79.8	5.3	5.3	12.4		5		89				<0.2		1.1	
						7.0	0.2	45	28.7		8.0		26.3		79.8		5.3		12.4		5		89				<0.2		1.0	
IM7	Cloudy	Moderate	08:54	9.3	Surface	1.0	0.1	203	29.5	29.5	7.9	7.9	22.9	22.9	83.0	83.0	5.6	5.5	5.0	7.2	5	4	84	86	821362	806815	<0.2	<0.2	1.2	1.1
						1.0	0.1	204	29.5		7.9		22.9		83.0		5.6		5.2		5		84				<0.2		1.0	
					Middle	4.7	0.2	112	29.2	29.2	7.9	7.9	24.4	24.4	78.4	78.4	5.3		6.1		4		87				<0.2		1.0	
						4.7	0.2	113	29.2		7.9		24.4		78.4		5.3		6.1		3		87				<0.2		1.0	
					Bottom	8.3	0.2	98	28.2	28.2	7.9	7.9	27.7	27.7	72.5	72.6	4.9	4.9	10.3		3		88				<0.2		1.1	
						8.3	0.3	105	28.2		7.9		27.7		72.7		4.9		10.3		3		88				<0.2		1.1	
IM8	Foggy	Moderate	07:50	8.2	Surface	1.0	0.1	211	29.0	29.0	7.9	7.9	23.2	23.2	74.9	74.9	5.1	5.1	9.0	9.2	7	9	87	91	821832	808163	<0.2	<0.2	1.4	1.3
						1.0	0.1	226	29.0		7.9		23.2		74.9		5.1		9.2		7		87				<0.2		1.4	
					Middle	4.1	0.0	231	28.9	28.9	7.9	7.9	23.3	23.3	75.6	75.7	5.1		9.6		8		92				<0.2		1.4	
						4.1	0.0	243	28.9		7.9		23.3		75.8		5.1		9.6		9		91				<0.2		1.4	
					Bottom	7.2	0.1	158	28.9	28.9	8.0	8.0	23.3	23.3	79.8	80.0	5.4	5.4	8.9		11		93				<0.2		1.1	
						7.2	0.1	165	28.9		8.0		23.3		80.1		5.4		9.0		10		93				<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 03 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Foggy	Moderate	07:45	7.6	Surface	1.0	0.3	245	28.9	28.9	7.9	7.9	23.7	23.7	73.9	73.9	5.0	5.0	12.7	11.7	12	12	86	90	822116	808822	<0.2	<0.2	1.5	1.4
						1.0	0.3	267	28.9		7.9		23.7		73.9		5.0		12.6		13		87				<0.2		1.4	
					Middle	3.8	0.4	251	28.7	28.7	8.0	8.0	24.1	24.2	73.9	73.9	5.0		10.5		12		90				<0.2		1.4	
						3.8	0.5	252	28.7		8.0		24.2		73.9		5.0		10.8		11		90				<0.2		1.5	
					Bottom	6.6	0.3	238	28.6	28.6	8.0	8.0	24.6	24.6	74.1	74.2	5.0	5.0	11.6		12		93				<0.2		1.3	
						6.6	0.3	246	28.6		8.0		24.6		74.3		5.0		11.8		11		94				<0.2		1.5	
IM10	Foggy	Moderate	07:38	8.6	Surface	1.0	0.8	294	28.8	28.8	8.0	8.0	24.0	24.0	76.7	76.7	5.2	5.1	5.8	8.4	7	6	86	90	822381	809815	<0.2	<0.2	1.3	1.2
						1.0	0.9	301	28.8		8.0		24.0		76.6		5.2		5.8		6		87				<0.2		1.3	
					Middle	4.3	0.7	296	28.3	28.3	8.0	8.0	25.5	25.5	72.1	72.1	4.9		6.6		6		90				<0.2		1.2	
						4.3	0.8	316	28.3		8.0		25.5		72.1		4.9		6.3		5		90				<0.2		1.1	
					Bottom	7.6	0.5	281	28.2	28.2	8.0	8.0	25.9	25.9	72.3	72.4	4.9	4.9	13.0		5		92				<0.2		1.1	
						7.6	0.5	293	28.2		8.0		25.8		72.5		4.9		13.1		5		93				<0.2		1.2	
IM11	Foggy	Moderate	07:29	8.2	Surface	1.0	0.9	309	28.8	28.8	8.0	8.0	23.4	23.5	78.9	78.9	5.4	5.2	3.3	8.8	5	5	86	88	822080	811479	<0.2	<0.2	1.3	1.3
						1.0	1.0	330	28.7		8.0		23.5		78.9		5.4		3.4		5		86				<0.2		1.2	
					Middle	4.1	0.9	301	28.2	28.2	8.0	8.0	25.5	25.5	72.7	72.8	4.9		7.0		4		89				<0.2		1.2	
						4.1	0.9	310	28.2		8.0		25.5		72.8		4.9		6.9		5		89				<0.2		1.4	
					Bottom	7.2	0.5	305	27.5	27.5	8.0	8.0	27.2	27.2	71.0	71.1	4.8	4.8	16.0		4		90				<0.2		1.3	
						7.2	0.5	334	27.5		8.0		27.2		71.1		4.8		15.9		4		90				<0.2		1.1	
IM12	Foggy	Moderate	07:24	9.5	Surface	1.0	0.3	286	28.3	28.3	8.0	8.0	25.2	25.2	74.2	74.2	5.0	4.9	8.1	11.0	7	6	85	89	821443	812063	<0.2	<0.2	1.2	1.2
						1.0	0.4	288	28.3		8.0		25.2		74.1		5.0		8.4		7		86				<0.2		1.3	
					Middle	4.8	0.3	302	28.1	28.1	8.0	8.0	25.8	25.8	71.4	71.4	4.8		11.7		6		89				<0.2		1.2	
						4.8	0.3	329	28.1		8.0		25.8		71.4		4.8		11.5		7		90				<0.2		1.1	
					Bottom	8.5	0.3	312	27.6	27.6	8.0	8.0	27.1	27.1	70.3	70.4	4.8	4.8	13.1		6		92				<0.2		1.1	
						8.5	0.3	342	27.6		8.0		27.1		70.5		4.8		13.1		5		93				<0.2		1.1	
SR1A	Foggy	Calm	07:06	5.2	Surface	1.0	-	-	29.1	29.1	8.0	8.0	22.9	22.9	81.1	81.2	5.5	5.5	3.5	3.8	4	4	-	-	819980	812662	-	-	-	-
						1.0	-	-	29.1		8.0		23.0		81.3		5.5		3.5		5		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	29.0	29.0	8.0	8.0	23.4	23.4	83.6	83.8	5.7	5.7	4.0		4		-				-		-	
						4.2	-	-	29.0		8.0		23.4		83.9		5.7		4.1		4		-				-		-	
SR2	Foggy	Moderate	06:53	4.8	Surface	1.0	0.1	48	28.3	28.3	7.9	7.9	25.0	25.0	73.5	73.5	5.0	5.0	6.8	6.9	7	6	88	90	821473	814146	<0.2	<0.2	1.4	1.3
						1.0	0.1	49	28.3		7.9		25.0		73.5		5.0		6.7		7		89				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	105	27.5	27.5	8.0	8.0	27.3	27.3	70.4	70.6	4.8	4.8	7.0		4		90				<0.2		1.2	
						3.8	0.2	107	27.5		8.0		27.2		70.7		4.8		7.0		5		91				<0.2		1.3	
SR3	Foggy	Moderate	07:55	9.5	Surface	1.0	0.1	288	29.2	29.2	7.9	7.9	21.9	21.9	77.6	77.6	5.3	5.2	3.1	6.4	5	5	-	-	822158	807558	-	-	-	-
						1.0	0.1	301	29.2		7.9		21.9		77.6		5.3		3.1		5		-				-		-	
					Middle	4.8	0.2	263	29.0	29.0	8.0	8.0	23.1	23.1	76.1	76.0	5.2		4.8		5		-				-		-	
						4.8	0.2	277	29.0		8.0		23.1		75.9		5.1		5.0		5		-				-		-	
					Bottom	8.5	0.1	82	28.6	28.6	8.0	8.0	24.7	24.7	72.7	72.9	4.9	4.9	11.2		6		-				-		-	
						8.5	0.1	87	28.6		8.0		24.7		73.0		4.9		11.2		6		-				-		-	
SR4A	Cloudy	Calm	07:33	9.7	Surface	1.0	0.2	241	29.2	29.2	8.1	8.1	25.2	25.2	85.1	85.1	5.7	5.5	7.1	9.2	5	7	-	-	817169	807832	-	-	-	-
						1.0	0.2	254	29.2		8.1		25.2		85.1		5.7		7.1		6		-				-		-	
					Middle	4.9	0.1	66	28.9	28.9	8.1	8.1	26.2	26.2	78.6	78.6	5.2		8.3		7		-				-		-	
						4.9	0.1	67	28.9		8.1		26.2		78.6		5.2		8.3		7		-				-		-	
					Bottom	8.7	0.2	67	28.4	28.4	8.1	8.1	27.5	27.5	72.4	72.5	4.8	4.8	12.1		8		-				-		-	
						8.7	0.2	67	28.4		8.1		27.5		72.5		4.8		12.2		9		-				-		-	
SR5A	Cloudy	Calm	07:17	3.5	Surface	1.0	0.2	313	29.5	29.5	8.1	8.1	24.8	24.8	90.7	90.7	6.0	6.0	11.8	12.2	10	9	-	-	816596	810718	-	-	-	-
						1.0	0.2	329	29.5		8.1		24.8		90.7		6.0		12.0		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.2	318	29.5	29.5	8.1	8.0	24.7	24.7	90.7	90.7	6.0	6.0	12.6		8		-				-		-	
						2.5	0.2	344	29.5		8.0		24.7		90.7		6.0		12.6		8		-				-		-	
SR6A	Cloudy	Calm	06:50	4.3	Surface	1.0	0.1	208	29.4	29.4	8.0	8.0	24.4	24.4	88.1	88.1	5.9	5.9	5.1	6.3	4	4	-	-	817964	814743	-	-	-	-
						1.0	0.1	212	29.4		8.0		24.4		88.1		5.9		5.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	226	29.4	29.4	8.0	8.0	25.0	25.0	84.1	84.2	5.6	5.6	7.3		4		-				-		-	
						3.3	0.1	241	29.4		8.0		25.0		84.2		5.6		7.4		3		-				-		-	
SR7	Foggy	Moderate	06:05	15.6	Surface	1.0	0.2	210	28.4	28.4	7.9	7.9	25.0	25.1	79.0	79.0	5.4	5.2	2.4	2.5	<2	2	-	-	823613	823737	-	-	-	-
						1.0	0.3	213	28.3		7.9		25.2		79.0		5.4		2.4		<2		-				-		-	
					Middle	7.8	0.3	212	27.8	27.8	7.8	7.8	26.6	26.6	73.9	73.9	5.0		2.2		2		-				-		-	
						7.8	0.3	232	27.8		7.8		26.6		73.9		5.0		2.2		2		-				-		-	
					Bottom	14.6	0.1	89	26.9	26.9	7.8	7.8	28.8	28.8	69.5	69.6	4.7	4.7	3.0		3		-				-		-	
						14.6	0.1	91	26.9		7.8		28.8		69.7		4.7		3.0		3		-				-		-	
SR8	Foggy	Moderate	07:16	5.0	Surface	1.0	-	-	29.0	29.0	8.0	8.0	23.2	23.2	78.0	78.0	5.3	5.3	5.4	10.4	8	8	-	-	820382	811614	-	-	-	-
						1.0	-	-	29.0		8.0		23.2		78.0		5.3		5.4		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	28.5	28.5	8.0	8.0	25.0	25.0	74.5	74.6	5.0	5.0	15.3		9		-				-		-	
						4.0	-	-	28.5		8.0		25.0		74.6		5.0		15.3		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:03	8.7	Surface	1.0	0.3	226	28.1	28.1	8.0	8.0	26.8	26.8	87.4	87.5	5.9	5.7	4.3	9.2	3	3	85	87	815605	804232	<0.2	<0.2	1.0	1.1
						1.0	0.4	234	28.1		8.0		26.8		87.5		5.9		4.5		3		86				<0.2		1.2	
					Middle	4.4	0.3	214	27.5	27.5	7.9	7.9	28.4	28.4	81.9	81.9	5.5		9.8		3		87				<0.2		1.1	
						4.4	0.3	227	27.5		7.9		28.4		81.9		5.5		9.6		2		88				<0.2		0.9	
					Bottom	7.7	0.4	205	27.6	27.6	7.9	7.9	29.4	29.4	83.6	83.9	5.6	5.6	13.1		2		89				<0.2		1.0	
						7.7	0.4	216	27.6		7.9		29.4		84.2		5.6		13.8		3		89				<0.2		1.1	
C2	Cloudy	Moderate	13:02	12.5	Surface	1.0	0.2	135	28.5	28.5	8.0	8.0	24.2	24.2	76.4	76.4	5.2	5.0	3.4	7.7	4	6	85	88	825688	806961	<0.2	<0.2	1.3	1.3
						1.0	0.2	139	28.5		8.0		24.2		76.3		5.2		3.4		5		86				<0.2		1.4	
					Middle	6.3	0.5	154	28.1	28.1	8.0	8.0	25.7	25.7	69.9	69.9	4.7		7.8		5		88				<0.2		1.4	
						6.3	0.5	169	28.1		8.0		25.7		69.9		4.7		7.8		5		87				<0.2		1.4	
					Bottom	11.5	0.5	144	27.0	27.1	8.0	8.0	28.5	28.5	68.5	68.6	4.7	4.7	12.2		8		90				<0.2		1.0	
						11.5	0.5	155	27.1		8.0		28.5		68.6		4.7		12.0		9		91				<0.2		1.1	
C3	Cloudy	Moderate	14:54	12.8	Surface	1.0	0.4	286	27.8	27.8	8.0	8.0	26.3	26.3	78.2	78.2	5.3	5.2	2.0	4.0	5	5	84	86	822127	817803	<0.2	<0.2	1.2	1.1
						1.0	0.4	299	27.8		8.0		26.3		78.2		5.3		2.0		6		84				<0.2		1.2	
					Middle	6.4	0.2	257	27.6	27.6	8.0	8.0	26.9	26.9	75.7	75.7	5.1		2.5		5		87				<0.2		1.0	
						6.4	0.2	271	27.6		8.0		26.9		75.6		5.1		2.5		4		86				<0.2		1.2	
					Bottom	11.8	0.1	120	26.5	26.5	8.0	8.0	29.4	29.4	66.9	66.9	4.6	4.6	7.5		4		88				<0.2		1.0	
						11.8	0.1	124	26.5		8.0		29.4		66.9		4.6		7.4		4		89				<0.2		0.9	
IM1	Cloudy	Moderate	13:45	5.0	Surface	1.0	0.1	134	28.4	28.4	7.9	7.9	27.1	27.1	84.0	84.0	5.6	5.6	6.9	8.3	4	3	87	88	817967	807133	<0.2	<0.2	1.1	1.1
						1.0	0.1	140	28.4		7.9		27.1		84.0		5.6		7.3		3		86				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	311	28.2	28.2	7.9	7.9	27.4	27.4	85.0	85.3	5.7	5.7	9.3		3		89				<0.2		1.1	
						4.0	0.1	319	28.2		7.9		27.4		85.5		5.7		9.6		3		89				<0.2		1.2	
IM2	Cloudy	Moderate	13:36	7.3	Surface	1.0	0.1	186	28.3	28.3	8.0	8.0	27.1	27.1	89.7	89.5	6.0	5.8	4.7	5.8	2	3	85	87	818140	806176	<0.2	<0.2	1.2	1.1
						1.0	0.1	196	28.3		8.0		27.2		89.3		6.0		4.8		3		85				<0.2		1.2	
					Middle	3.7	0.1	167	28.0	28.0	8.0	8.0	27.9	27.9	82.0	82.1	5.5		5.2		3		86				<0.2		1.2	
						3.7	0.1	176	28.0		8.0		27.9		82.1		5.5		5.2		4		88				<0.2		1.1	
					Bottom	6.3	0.1	118	27.9	27.9	8.0	8.0	28.4	28.4	82.6	82.8	5.5	5.6	7.4		3		89				<0.2		1.0	
						6.3	0.1	124	27.9		8.0		28.4		83.0		5.6		7.7		4		90				<0.2		1.1	
IM3	Cloudy	Moderate	13:30	7.6	Surface	1.0	0.1	182	28.1	28.1	8.0	8.0	26.1	26.0	86.5	86.3	5.9	5.6	8.1	9.0	2	3	86	88	818783	805601	<0.2	<0.2	1.2	1.2
						1.0	0.1	198	28.0		8.0		25.9		86.1		5.8		8.5		3		86				<0.2		1.1	
					Middle	3.8	0.2	156	27.8	27.8	8.0	8.0	28.4	28.4	79.3	79.3	5.3		9.0		3		87				<0.2		1.2	
						3.8	0.2	164	27.8		8.0		28.4		79.3		5.3		9.5		4		88				<0.2		1.1	
					Bottom	6.6	0.2	89	27.8	27.8	7.9	7.9	28.4	28.3	78.5	80.3	5.3	5.4	9.5		4		89				<0.2		1.2	
						6.6	0.2	93	27.8		7.9		28.3		82.1		5.5		9.4		2		91				<0.2		1.1	
IM4	Cloudy	Moderate	13:22	7.8	Surface	1.0	0.4	211	28.2	28.2	8.0	8.0	26.8	26.8	79.4	79.3	5.3	5.3	7.9	9.7	4	4	85	88	819703	804599	<0.2	<0.2	1.3	1.1
						1.0	0.5	216	28.2		8.0		26.8		79.2		5.3		8.3		4		86				<0.2		1.2	
					Middle	3.9	0.3	181	27.8	27.8	8.0	8.0	28.5	28.6	77.7	77.8	5.2		10.5		4		87				<0.2		1.0	
						3.9	0.3	193	27.8		8.0		28.6		77.8		5.2		10.5		4		88				<0.2		1.0	
					Bottom	6.8	0.2	158	27.7	27.7	8.0	8.0	28.9	28.9	78.6	78.7	5.3	5.3	10.6		6		89				<0.2		1.0	
						6.8	0.2	159	27.7		8.0		28.9		78.8		5.3		10.7		4		90				<0.2		1.1	
IM5	Cloudy	Moderate	13:16	8.1	Surface	1.0	0.4	243	28.3	28.3	8.0	8.0	27.2	27.2	81.3	81.3	5.5	5.4	7.0	11.2	7	5	85	87	820745	804880	<0.2	<0.2	1.0	0.9
						1.0	0.4	265	28.2		8.0		27.3		81.3		5.5		7.0		7		86				<0.2		0.9	
					Middle	4.1	0.3	205	27.9	27.9	8.0	8.0	28.3	28.3	77.3	77.3	5.2		11.1		5		87				<0.2		0.8	
						4.1	0.3	221	27.9		8.0		28.4		77.3		5.2		11.3		4		87				<0.2		1.0	
					Bottom	7.1	0.2	173	27.8	27.8	8.0	8.0	28.7	28.6	78.4	78.6	5.3	5.3	15.5		4		89				<0.2		0.9	
						7.1	0.2	186	27.8		8.0		28.6		78.7		5.3		15.6		5		89				<0.2		0.8	
IM6	Cloudy	Moderate	13:09	8.0	Surface	1.0	0.3	260	28.6	28.6	8.0	8.0	26.3	26.4	83.5	83.4	5.6	5.6	6.7	8.6	5	5	85	88	821073	805812	<0.2	<0.2	1.0	1.0
						1.0	0.3	284	28.5		8.0		26.5		83.2		5.6		7.0		6		86				<0.2		0.9	
					Middle	4.0	0.2	219	28.3	28.3	8.0	8.0	27.4	27.4	82.5	82.5	5.5		8.9		6		87				<0.2		1.0	
						4.0	0.2	231	28.2		8.0		27.4		82.4		5.5		9.2		5		88				<0.2		0.9	
					Bottom	7.0	0.2	191	28.2	28.2	8.0	8.0	27.6	27.6	83.5	83.7	5.6	5.6	10.0		4		89				<0.2		1.0	
						7.0	0.2	191	28.2		8.0		27.6		83.9		5.6		10.1		5		90				<0.2		1.0	
IM7	Cloudy	Moderate	13:02	8.2	Surface	1.0	0.1	224	28.7	28.7	8.1	8.1	25.8	25.8	81.7	81.7	5.5	5.4	6.1	9.0	4	5	85	88	821350	806858	<0.2	<0.2	0.9	0.9
						1.0	0.2	237	28.7		8.1		25.9		81.6		5.5		6.1		5		87				<0.2		0.9	
					Middle	4.1	0.1	182	28.3	28.3	8.1	8.1	27.0	27.0	79.6	79.6	5.3		8.9		6		88				<0.2		1.0	
						4.1	0.1	198	28.3		8.1		27.1		79.5		5.3		9.4		5		87				<0.2		0.8	
					Bottom	7.2	0.1	140	28.3	28.3	8.1	8.1	27.3	27.3	79.9	80.0	5.4	5.4	11.8		6		89				<0.2		0.9	
						7.2	0.1	152	28.3		8.1		27.3		80.0		5.4		11.9		6		90				<0.2		0.9	
IM8	Cloudy	Moderate	13:29	8.4	Surface	1.0	0.1	148	28.6	28.6	8.0	8.0	24.5	24.5	73.6	73.7	5.0	5.0	5.7	9.4	4	5	85	87	821818	808146	<0.2	<0.2	1.3	1.2
						1.0	0.1	162	28.6		8.0		24.5		73.7		5.0		5.7		3		84				<0.2		1.2	
					Middle	4.2	0.1	182	28.1	28.1	8.0	8.0	25.8	25.8	73.4	73.5	5.0		9.3		5		87				<0.2		1.2	
						4.2	0.1	196	28.1		8.0		25.8		73.5		5.0		9.4		4		87				<0.2		1.2	
					Bottom	7.4	0.1	137	28.0	28.0	8.0	8.0	26.1	26.1	76.5	76.6	5.2	5.2	13.4		7		89				<0.2		1.2	
						7.4	0.2	140	28.0		8.0		26.1		76.6		5.2		13.2		8		89				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 September 20 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	13:36	8.0	Surface	1.0	0.2	112	28.5	28.5	8.0	8.0	24.8	24.8	73.3	73.4	5.0	5.0	5.0	8.8	4	6	85	87	822088	808829	<0.2	<0.2	1.2	1.2
						1.0	0.3	113	28.5		8.0		24.8		73.4		5.0		5.1		4		85				<0.2		1.2	
					Middle	4.0	0.2	124	28.1	28.1	8.0	8.0	26.0	26.0	71.7	71.7	4.9		10.1		5		87				<0.2		1.1	
						4.0	0.2	130	28.0		8.0		26.0		71.7		4.9		10.1		6		88				<0.2		1.2	
					Bottom	7.0	0.1	109	28.0	28.0	8.0	8.0	26.2	26.2	72.1	72.2	4.9	4.9	11.1		9		89				<0.2		1.1	
						7.0	0.1	113	28.0		8.0		26.2		72.2		4.9		11.2		10		90				<0.2		1.1	
IM10	Cloudy	Moderate	13:44	7.6	Surface	1.0	0.7	112	28.4	28.4	8.0	8.0	24.7	24.7	79.4	79.4	5.4	5.3	2.0	4.7	5	5	85	87	822374	809779	<0.2	<0.2	1.0	1.1
						1.0	0.7	114	28.4		8.0		24.7		79.3		5.4		2.1		4		84				<0.2		1.2	
					Middle	3.8	0.6	99	28.2	28.2	8.0	8.0	25.3	25.3	74.7	74.6	5.1		3.8		5		88				<0.2		1.2	
						3.8	0.6	104	28.2		8.0		25.3		74.5		5.1		4.0		5		88				<0.2		1.2	
					Bottom	6.6	0.5	96	27.8	27.8	8.0	8.0	26.6	26.6	72.3	72.4	4.9	4.9	8.2		6		90				<0.2		1.0	
						6.6	0.6	105	27.8		8.0		26.6		72.5		4.9		7.9		6		89				<0.2		0.9	
IM11	Cloudy	Moderate	13:55	8.9	Surface	1.0	0.7	140	28.2	28.2	8.0	8.0	25.6	25.6	75.4	75.4	5.1	5.1	3.2	5.0	5	6	85	88	822064	811462	<0.2	<0.2	1.2	1.1
						1.0	0.7	142	28.2		8.0		25.6		75.4		5.1		3.2		4		85				<0.2		1.0	
					Middle	4.5	0.7	138	28.2	28.2	8.0	8.0	25.7	25.7	74.3	74.2	5.0		4.9		6		88				<0.2		1.1	
						4.5	0.7	150	28.2		8.0		25.7		74.1		5.0		4.9		5		88				<0.2		1.2	
					Bottom	7.9	0.6	127	27.6	27.6	8.0	8.0	27.1	27.1	71.4	71.5	4.8	4.9	6.8		7		90				<0.2		1.0	
						7.9	0.7	129	27.6		8.0		27.1		71.5		4.9		7.1		7		90				<0.2		1.0	
IM12	Cloudy	Moderate	14:01	9.8	Surface	1.0	0.5	95	28.4	28.4	8.0	8.0	24.6	24.6	76.0	76.0	5.2	5.0	3.5	6.7	4	6	84	87	821441	812069	<0.2	<0.2	1.0	1.0
						1.0	0.5	101	28.4		8.0		24.6		76.0		5.2		3.7		4		85				<0.2		1.0	
					Middle	4.9	0.4	116	28.0	28.0	8.0	8.0	26.2	26.2	70.9	70.9	4.8		5.2		6		87				<0.2		1.0	
						4.9	0.4	121	28.0		8.0		26.2		70.9		4.8		5.0		6		88				<0.2		1.0	
					Bottom	8.8	0.2	92	27.8	27.8	8.0	8.0	26.5	26.5	70.6	70.7	4.8	4.8	11.4		9		89				<0.2		1.0	
						8.8	0.2	97	27.8		8.0		26.5		70.7		4.8		11.5		9		89				<0.2		1.0	
SR1A	Cloudy	Moderate	14:21	4.8	Surface	1.0	-	-	28.4	28.4	8.0	8.0	25.4	25.4	81.2	81.3	5.5	5.5	2.3	3.1	5	5	-	-	819982	812658	-	-	-	-
						1.0	-	-	28.4		8.0		25.4		81.4		5.5		2.2		4		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.2	28.2	8.0	8.0	25.9	25.9	75.4	75.4	5.1	5.1	4.0		5		-				-		-	
						3.8	-	-	28.2		8.0		25.9		75.3		5.1		3.9		5		-				-		-	
SR2	Cloudy	Moderate	14:33	4.7	Surface	1.0	0.4	78	28.2	28.2	8.0	8.0	25.5	25.5	75.9	75.9	5.1	5.1	3.9	5.3	3	4	86	87	821460	814176	<0.2	<0.2	1.0	1.1
						1.0	0.4	78	28.2		8.0		25.5		75.8		5.1		4.0		4		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	55	27.9	27.9	8.0	8.0	26.2	26.2	76.2	76.3	5.2	5.2	6.7		4		88				<0.2		1.1	
						3.7	0.2	57	27.9		8.0		26.2		76.4		5.2		6.7		5		88				<0.2		1.2	
SR3	Cloudy	Moderate	13:22	10.1	Surface	1.0	0.0	192	28.6	28.6	8.0	8.0	24.4	24.4	72.7	72.6	4.9	4.8	4.8	8.1	4	5	-	-	822148	807577	-	-	-	-
						1.0	0.0	204	28.6		8.0		24.4		72.5		4.9		5.1		3		-				-		-	
					Middle	5.1	0.1	181	28.0	28.0	8.0	8.0	26.2	26.2	69.7	69.7	4.7		8.7		2		-				-		-	
						5.1	0.1	194	28.0		8.0		26.2		69.6		4.7		8.8		4		-				-		-	
					Bottom	9.1	0.1	192	27.9	27.9	8.0	8.0	26.5	26.5	68.8	68.9	4.7	4.7	10.7		8		-				-		-	
						9.1	0.1	209	27.9		8.0		26.5		68.9		4.7		10.5		8		-				-		-	
SR4A	Cloudy	Moderate	14:24	8.3	Surface	1.0	0.1	81	28.5	28.5	8.2	8.2	27.0	27.0	88.6	88.6	5.9	5.8	6.1	8.9	6	5	-	-	817166	807825	-	-	-	-
						1.0	0.1	81	28.4		8.2		27.1		88.6		5.9		6.2		6		-				-		-	
					Middle	4.2	0.0	78	28.3	28.3	8.2	8.2	27.5	27.5	83.8	83.8	5.6		9.2		6		-				-		-	
						4.2	0.0	82	28.3		8.2		27.5		83.8		5.6		9.5		5		-				-		-	
					Bottom	7.3	0.0	4	28.1	28.1	8.2	8.2	27.7	27.7	86.6	87.1	5.8	5.9	11.2		4		-				-		-	
						7.3	0.0	4	28.1		8.2		27.7		87.6		5.9		11.2		5		-				-		-	
SR5A	Cloudy	Moderate	14:41	4.0	Surface	1.0	0.1	348	28.5	28.5	8.2	8.2	26.4	26.4	95.3	95.1	6.4	6.4	9.8	12.2	5	7	-	-	816590	810708	-	-	-	-
						1.0	0.1	354	28.4		8.2		26.5		94.9		6.4		10.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	337	28.1	28.1	8.2	8.2	27.2	27.2	96.7	97.7	6.5	6.6	14.3		8		-				-		-	
						3.0	0.1	310	28.1		8.2		27.2		98.7		6.6		14.3		8		-				-		-	
SR6A	Cloudy	Moderate	15:08	4.7	Surface	1.0	0.0	21	28.8	28.8	8.2	8.2	26.1	26.1	91.3	91.3	6.1	6.1	11.3	13.8	5	5	-	-	817974	814720	-	-	-	-
						1.0	0.0	21	28.8		8.2		26.2		91.2		6.1		11.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	195	28.4	28.4	8.2	8.2	26.8	26.8	86.3	86.6	5.8	5.8	16.0		4		-				-		-	
						3.7	0.0	204	28.4		8.2		26.8		86.9		5.8		16.0		5		-				-		-	
SR7	Cloudy	Moderate	15:22	15.7	Surface	1.0	0.6	61	27.8	27.8	8.0	8.0	26.7	26.7	85.4	85.4	5.8	5.6	1.4	2.0	2	3	-	-	823653	823730	-	-	-	-
						1.0	0.7	64	27.8		8.0		26.7		85.4		5.8		1.4		2		-				-		-	
					Middle	7.9	0.2	14	27.3	27.3	8.0	8.0	27.7	27.7	78.8	78.8	5.3		1.9		4		-				-		-	
						7.9	0.2	14	27.3		8.0		27.7		78.7		5.3		2.0		3		-				-		-	
					Bottom	14.7	0.2	55	27.1	27.1	8.0	8.0	28.2	28.2	77.9	78.0	5.3	5.3	2.6		4		-				-		-	
						14.7	0.2	58	27.1		8.0		28.2		78.1		5.3		2.6		3		-				-		-	
SR8	Cloudy	Moderate	14:12	4.5	Surface	1.0	-	-	28.6	28.6	8.1	8.1	25.4	25.4	79.8	79.9	5.4	5.4	4.6	5.4	6	7	-	-	820370	811632	-	-	-	-
						1.0	-	-	28.6		8.1		25.4		79.9		5.4		4.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	28.5	28.5	8.1	8.1	25.5	25.5	79.4	79.5	5.4	5.4	6.3		7		-				-		-	
						3.5	-	-	28.5		8.1		25.5		79.5		5.4		6.0		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 05 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	08:52	8.2	Surface	1.0	0.5	26	27.8	27.7	8.0	8.0	27.4	27.4	78.7	78.8	5.3	5.2	9.2	8.7	7	8	85	88	815597	804228	<0.2	<0.2	1.2	1.3
						1.0	0.5	27	27.6		8.0		27.5		78.9		5.3		9.4		8		87				<0.2		1.1	
					Middle	4.1	0.5	40	27.3	27.4	8.0	8.0	30.0	30.0	75.4	75.5	5.1		9.6		8		87				<0.2		1.1	
						4.1	0.5	40	27.4		8.0		30.0		75.5		5.1		9.4		8		88				<0.2		1.3	
					Bottom	7.2	0.4	30	27.4	27.5	8.0	8.0	30.2	30.1	76.2	76.4	5.1	5.1	7.2		9		90				<0.2		1.5	
						7.2	0.4	31	27.5		8.0		30.1		76.6		5.1		7.4		8		89				<0.2		1.3	
C2	Cloudy	Moderate	09:40	12.6	Surface	1.0	0.3	350	28.8	28.8	7.9	7.9	23.3	23.3	72.4	72.4	4.9	4.8	3.8	7.3	4	4	85	88	825660	806931	<0.2	<0.2	1.4	1.3
						1.0	0.3	322	28.8		7.9		23.3		72.4		4.9		3.8		4		85				<0.2		1.5	
					Middle	6.3	0.4	28	28.5	28.5	7.9	7.9	24.9	24.9	68.9	68.9	4.7		7.9		5		88				<0.2		1.3	
						6.3	0.4	28	28.5		7.9		24.9		68.9		4.7		8.1		4		89				<0.2		1.4	
					Bottom	11.6	0.4	346	27.6	27.6	8.0	8.0	27.1	27.1	66.2	66.3	4.5	4.5	10.1		5		91				<0.2		1.2	
						11.6	0.5	318	27.6		8.0		27.2		66.3		4.5		10.3		4		90				<0.2		1.2	
C3	Cloudy	Rough	07:42	11.5	Surface	1.0	0.3	241	28.3	28.3	7.9	7.9	25.6	25.6	75.2	75.2	5.1	5.1	3.2	4.9	4	3	84	87	822126	817807	<0.2	<0.2	1.0	1.0
						1.0	0.3	242	28.3		7.9		25.6		75.2		5.1		3.2		4		84				<0.2		1.2	
					Middle	5.8	0.4	252	27.9	27.9	8.0	8.0	26.5	26.5	73.1	73.1	5.0		3.2		4		87				<0.2		1.1	
						5.8	0.4	256	27.9		8.0		26.5		73.1		5.0		3.2		3		86				<0.2		1.0	
					Bottom	10.5	0.4	266	26.9	26.9	8.0	8.0	28.8	28.8	69.1	69.2	4.7	4.7	8.6		3		89				<0.2		0.9	
						10.5	0.4	285	26.9		8.0		28.8		69.2		4.7		8.5		2		89				<0.2		1.0	
IM1	Rainy	Moderate	09:09	5.2	Surface	1.0	0.2	29	28.4	28.4	8.1	8.1	26.9	26.9	82.2	82.2	5.5	5.5	7.0	9.1	5	4	87	88	817956	807116	<0.2	<0.2	1.0	1.1
						1.0	0.2	31	28.4		8.1		27.0		82.1		5.5		7.4		5		86				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.0	209	28.2	28.2	8.1	8.1	27.8	27.9	77.0	77.1	5.2	5.2	11.0		3		89				<0.2		1.1	
						4.2	0.0	209	28.2		8.1		27.9		77.1		5.2		11.1		4		89				<0.2		1.1	
IM2	Rainy	Moderate	09:16	7.2	Surface	1.0	0.4	7	28.5	28.5	8.1	8.1	26.8	26.8	80.4	80.4	5.4	5.2	5.6	6.7	4	5	85	87	818144	806186	<0.2	<0.2	1.1	1.1
						1.0	0.4	7	28.4		8.1		26.9		80.3		5.4		5.9		4		86				<0.2		1.0	
					Middle	3.6	0.3	0	28.2	28.2	8.1	8.1	27.7	27.7	75.3	75.4	5.0		7.5		6		86				<0.2		1.1	
						3.6	0.4	0	28.2		8.1		27.7		75.4		5.0		7.8		4		87				<0.2		1.1	
					Bottom	6.2	0.2	339	28.1	28.1	8.1	8.1	28.0	28.0	76.0	76.1	5.1	5.1	6.9		6		89				<0.2		1.1	
						6.2	0.2	341	28.1		8.1		28.0		76.1		5.1		6.6		6		90				<0.2		1.1	
IM3	Rainy	Moderate	09:23	7.7	Surface	1.0	0.4	355	28.5	28.5	8.1	8.1	26.5	26.5	81.8	81.8	5.5	5.3	4.9	6.1	6	5	85	87	818799	805583	<0.2	<0.2	1.2	1.2
						1.0	0.5	327	28.5		8.1		26.5		81.7		5.5		5.0		5		85				<0.2		1.2	
					Middle	3.9	0.4	346	28.4	28.4	8.1	8.1	26.7	26.8	76.6	76.4	5.1		5.6		5		87				<0.2		1.4	
						3.9	0.5	318	28.4		8.1		26.8		76.1		5.1		5.6		4		86				<0.2		1.2	
					Bottom	6.7	0.2	301	27.9	27.9	8.1	8.1	28.5	28.5	74.8	75.0	5.0	5.0	7.7		4		90				<0.2		1.0	
						6.7	0.2	309	27.9		8.1		28.4		75.1		5.0		7.5		4		89				<0.2		1.2	
IM4	Rainy	Moderate	09:31	8.0	Surface	1.0	0.8	4	28.1	28.1	8.1	8.1	27.5	27.5	78.6	78.5	5.3	5.1	4.4	7.7	2	3	86	87	819706	804626	<0.2	<0.2	1.1	1.1
						1.0	0.9	4	28.0		8.1		27.6		78.4		5.3		4.4		2		85				<0.2		1.0	
					Middle	4.0	0.7	354	27.8	27.8	8.1	8.1	28.4	28.5	71.8	71.9	4.8		9.5		3		87				<0.2		1.2	
						4.0	0.8	326	27.8		8.1		28.5		71.9		4.8		9.3		3		87				<0.2		1.0	
					Bottom	7.0	0.5	343	27.8	27.8	8.1	8.1	28.6	28.5	72.7	72.9	4.9	4.9	9.7		4		89				<0.2		1.1	
						7.0	0.5	350	27.8		8.1		28.5		73.1		4.9		9.0		3		89				<0.2		1.1	
IM5	Rainy	Moderate	09:37	7.0	Surface	1.0	1.2	8	28.3	28.3	8.1	8.1	27.1	27.2	80.4	80.2	5.4	5.2	5.3	8.2	3	4	85	87	820730	804847	<0.2	<0.2	1.1	1.1
						1.0	1.2	8	28.2		8.1		27.3		80.0		5.4		5.3		3		86				<0.2		1.2	
					Middle	3.5	1.0	11	28.1	28.1	8.1	8.1	27.9	27.9	72.7	72.7	4.9		7.2		5		87				<0.2		1.1	
						3.5	1.0	11	28.1		8.1		28.0		72.7		4.9		7.6		4		86				<0.2		1.0	
					Bottom	6.0	0.6	12	28.0	28.0	8.1	8.1	28.3	28.3	73.8	73.9	4.9	5.0	11.7		5		89				<0.2		1.1	
						6.0	0.6	12	28.0		8.1		28.3		74.0		5.0		11.9		4		89				<0.2		1.1	
IM6	Rainy	Moderate	09:44	7.7	Surface	1.0	0.1	203	29.0	29.0	8.1	8.1	23.8	23.8	85.4	85.4	5.8	5.8	6.0	8.3	4	4	85	88	821040	805816	<0.2	<0.2	1.1	1.1
						1.0	0.1	211	28.9		8.1		23.8		85.3		5.8		6.6		4		86				<0.2		1.1	
					Middle	3.9	0.1	82	28.7	28.7	8.1	8.1	25.8	25.8	85.5	85.7	5.7		8.2		4		87				<0.2		1.1	
						3.9	0.1	89	28.7		8.1		25.9		85.8		5.8		8.5		5		88				<0.2		1.2	
					Bottom	6.7	0.1	73	28.6	28.6	8.1	8.1	26.1	26.1	87.1	87.3	5.8	5.9	10.4		5		89				<0.2		1.1	
						6.7	0.2	78	28.6		8.1		26.1		87.4		5.9		10.3		4		90				<0.2		1.0	
IM7	Rainy	Moderate	09:51	8.2	Surface	1.0	0.0	357	29.2	29.2	8.0	8.0	24.2	24.2	80.9	80.7	5.4	5.4	6.5	9.6	4	4	85	88	821360	806837	<0.2	<0.2	1.2	1.1
						1.0	0.0	328	29.1		8.0		24.3		80.5		5.4		7.1		4		86				<0.2		1.1	
					Middle	4.1	0.2	121	28.8	28.8	8.1	8.1	24.7	24.7	79.4	79.3	5.4		9.6		3		87				<0.2		1.2	
						4.1	0.2	128	28.7		8.1		24.8		79.2		5.3		9.9		4		88				<0.2		1.0	
					Bottom	7.2	0.2	75	28.4	28.4	8.1	8.1	27.1	27.1	79.0	79.2	5.3	5.3	12.2		3		89				<0.2		1.1	
						7.2	0.2	79	28.4		8.1		27.1		79.3		5.3		12.5		4		90				<0.2		1.1	
IM8	Cloudy	Moderate	09:13	8.3	Surface	1.0	0.0	48	28.7	28.7	7.9	7.9	24.0	24.0	78.5	78.5	5.3	5.3	3.9	5.4	6	6	84	87	821847	808161	<0.2	<0.2	1.3	1.3
						1.0	0.0	51	28.7		7.9		24.0		78.5		5.3		3.9		5		85				<0.2		1.4	
					Middle	4.2	0.0	300	28.7	28.7	7.9	7.9	24.3	24.3	76.5	76.5	5.2		5.8		5		88				<0.2		1.3	
						4.2	0.0	310	28.7		7.9		24.3		76.5		5.2		5.8		6		87				<0.2		1.4	
					Bottom	7.3	0.1	278	28.7	28.7	7.9	7.9	24.3	24.3	77.7	77.8	5.3	5.3	6.5		7		89				<0.2		1.1	
						7.3	0.1	289	28.7		7.9		24.3		77.9		5.3		6.4		7		90				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Cloudy	Moderate	09:06	7.4	Surface	1.0	0.2	271	28.7	28.7	7.9	7.9	24.1	24.1	77.4	77.4	5.2	5.2	6.7	8.3	9	10	85	87	822100	808799	<0.2	<0.2	1.4	1.4
						1.0	0.2	289	28.7		7.9		24.1		77.3		5.2		6.8		9		85				<0.2		1.4	
					Middle	3.7	0.2	268	28.7	28.7	7.9	7.9	24.1	24.1	77.1	77.1	5.2		7.5		10		87				<0.2		1.4	
						3.7	0.2	286	28.7		7.9		24.1		77.1		5.2		7.5		9		87				<0.2		1.6	
					Bottom	6.4	0.2	275	28.6	28.6	7.9	7.9	24.4	24.4	75.9	75.9	5.1	5.1	10.9		11		89				<0.2		1.3	
						6.4	0.2	281	28.6		7.9		24.4		75.9		5.1		10.8		12		90				<0.2		1.5	
IM10	Cloudy	Moderate	08:57	8.5	Surface	1.0	0.8	288	28.6	28.6	7.9	7.9	24.6	24.6	76.7	76.7	5.2	5.1	3.1	7.3	4	5	85	87	822368	809804	<0.2	<0.2	1.6	1.4
						1.0	0.9	291	28.6		7.9		24.6		76.7		5.2		3.0		4		85				<0.2		1.6	
					Middle	4.3	0.7	284	28.4	28.4	8.0	8.0	25.4	25.4	74.3	74.4	5.0		7.7		4		87				<0.2		1.5	
						4.3	0.8	299	28.4		8.0		25.4		74.4		5.0		7.2		4		87				<0.2		1.6	
					Bottom	7.5	0.7	288	28.3	28.3	8.0	8.0	25.6	25.6	73.8	73.8	5.0	5.0	11.4		7		89				<0.2		1.1	
						7.5	0.7	295	28.3		8.0		25.6		73.8		5.0		11.5		8		90				<0.2		1.2	
IM11	Cloudy	Moderate	08:47	8.4	Surface	1.0	0.7	289	28.5	28.5	8.0	8.0	24.8	24.8	78.9	78.9	5.3	5.2	2.3	4.2	4	5	85	87	822078	811481	<0.2	<0.2	1.4	1.3
						1.0	0.8	306	28.5		8.0		24.8		78.8		5.3		2.3		4		85				<0.2		1.4	
					Middle	4.2	0.8	290	28.2	28.2	7.9	7.9	25.7	25.8	74.2	74.2	5.0		3.6		5		87				<0.2		1.3	
						4.2	0.8	294	28.1		7.9		25.8		74.2		5.0		3.5		5		87				<0.2		1.4	
					Bottom	7.4	0.5	293	27.6	27.6	7.9	7.9	27.2	27.2	69.5	69.5	4.7	4.7	6.8		5		89				<0.2		1.1	
						7.4	0.5	317	27.6		7.9		27.2		69.5		4.7		6.6		6		90				<0.2		1.2	
IM12	Cloudy	Rough	08:39	8.7	Surface	1.0	0.8	269	28.2	28.2	8.0	8.0	25.8	25.8	76.3	76.3	5.2	5.1	5.7	9.3	4	6	85	87	821479	812055	<0.2	<0.2	1.5	1.4
						1.0	0.9	290	28.2		8.0		25.8		76.2		5.2		6.0		5		84				<0.2		1.4	
					Middle	4.4	0.8	275	28.0	28.0	8.0	8.0	26.0	26.0	72.6	72.6	4.9		9.8		5		88				<0.2		1.5	
						4.4	0.8	289	28.0		8.0		26.0		72.5		4.9		9.9		5		87				<0.2		1.6	
					Bottom	7.7	0.7	270	27.7	27.7	8.0	8.0	27.0	27.0	69.1	69.2	4.7	4.7	11.9		9		90				<0.2		1.2	
						7.7	0.8	278	27.7		8.0		27.0		69.3		4.7		12.3		9		90				<0.2		1.1	
SR1A	Cloudy	Moderate	08:15	5.1	Surface	1.0	-	-	28.6	28.6	8.0	8.0	24.6	24.6	79.0	79.0	5.3	5.3	2.7	3.7	6	6	-	-	819972	812662	-	-	-	-
						1.0	-	-	28.6		8.0		24.6		79.0		5.3		2.7		6		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.5	28.5	8.0	8.0	25.0	25.0	73.9	73.9	5.0	5.0	4.6		6		-				-		-	
						4.1	-	-	28.5		8.0		25.0		73.8		5.0		4.9		7		-				-		-	
SR2	Cloudy	Moderate	08:03	4.6	Surface	1.0	0.1	34	28.0	28.0	8.0	8.0	26.1	26.1	72.9	72.7	4.9	4.9	6.2	6.7	16	18	85	87	821466	814180	<0.2	<0.2	1.0	1.0
						1.0	0.1	36	28.0		8.0		26.2		72.5		4.9		6.3		17		86				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	86	27.6	27.6	8.0	8.0	27.0	27.0	70.2	70.3	4.8	4.8	7.2		18		87				<0.2		1.1	
						3.6	0.1	89	27.6		8.0		27.0		70.3		4.8		7.2		19		88				<0.2		1.1	
SR3	Cloudy	Moderate	09:20	9.5	Surface	1.0	0.1	305	29.1	29.1	7.9	7.9	22.4	22.4	77.2	77.2	5.2	5.2	2.5	7.1	4	6	-	-	822147	807572	-	-	-	-
						1.0	0.1	316	29.1		7.9		22.4		77.2		5.2		2.8		4		-				-		-	
					Middle	4.8	0.1	324	28.8	28.8	7.9	7.9	23.9	23.9	74.7	74.7	5.1		7.2		5		-				-		-	
						4.8	0.1	324	28.8		7.9		23.9		74.7		5.1		7.2		6		-				-		-	
					Bottom	8.5	0.1	86	28.5	28.5	7.9	7.9	25.0	25.0	69.2	69.3	4.7	4.7	11.5		9		-				-		-	
						8.5	0.1	92	28.5		7.9		25.0		69.3		4.7		11.5		9		-				-		-	
SR4A	Cloudy	Moderate	08:29	8.2	Surface	1.0	0.1	271	28.8	28.8	8.0	8.0	25.8	25.8	83.7	83.7	5.6	5.6	6.7	7.6	6	5	-	-	817166	807801	-	-	-	-
						1.0	0.1	293	28.8		8.0		25.8		83.7		5.6		6.8		6		-				-		-	
					Middle	4.1	0.1	270	28.8	28.9	8.0	8.0	25.8	25.8	84.0	84.0	5.6		7.0		5		-				-		-	
						4.1	0.1	294	28.9		8.0		25.8		84.0		5.6		7.0		4		-				-		-	
					Bottom	7.2	0.1	262	28.9	28.9	8.0	8.0	25.9	25.9	85.1	85.2	5.7	5.7	8.9		3		-				-		-	
						7.2	0.1	273	28.9		8.0		25.9		85.3		5.7		8.9		3		-				-		-	
SR5A	Cloudy	Moderate	08:12	3.3	Surface	1.0	0.2	288	28.9	28.9	8.1	8.1	26.1	26.1	86.2	86.3	5.8	5.8	9.9	10.4	4	5	-	-	816601	810704	-	-	-	-
						1.0	0.2	291	28.9		8.1		26.1		86.4		5.8		10.1		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.2	287	28.9	28.9	8.1	8.1	26.1	26.1	88.3	88.4	5.9	5.9	10.7		6		-				-		-	
						2.3	0.2	289	28.9		8.1		26.1		88.5		5.9		10.8		6		-				-		-	
SR6A	Cloudy	Moderate	07:47	4.7	Surface	1.0	0.0	270	28.8	28.8	8.3	8.3	26.5	26.5	80.1	80.0	5.3	5.3	7.0	7.2	4	5	-	-	817946	814722	-	-	-	-
						1.0	0.0	284	28.7		8.3		26.6		79.8		5.3		7.1		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	292	28.6	28.6	8.3	8.3	27.0	27.0	79.7	79.8	5.3	5.3	7.4		5		-				-		-	
						3.7	0.1	300	28.6		8.3		26.9		79.8		5.3		7.4		6		-				-		-	
SR7	Cloudy	Moderate	07:14	15.9	Surface	1.0	0.0	116	28.2	28.2	7.9	7.9	25.7	25.7	78.0	78.0	5.3	5.2	2.2	3.0	4	4	-	-	823658	823742	-	-	-	-
						1.0	0.0	122	28.2		7.9		25.8		77.9		5.3		2.2		3		-				-		-	
					Middle	8.0	0.1	184	27.5	27.5	7.8	7.8	27.3	27.3	73.3	73.3	5.0		2.7		4		-				-		-	
						8.0	0.1	199	27.5		7.8		27.3		73.3		5.0		2.7		3		-				-		-	
					Bottom	14.9	0.1	76	26.8	26.8	7.6	7.6	29.0	29.0	72.0	72.1	4.9	4.9	4.3		5		-				-		-	
						14.9	0.1	79	26.8		7.6		29.0		72.1		4.9		4.2		4		-				-		-	
SR8	Cloudy	Moderate	08:26	4.9	Surface	1.0	-	-	28.8	28.8	7.9	7.9	24.4	24.4	77.5	77.4	5.2	5.2	5.3	6.5	5	7	-	-	820382	811642	-	-	-	-
						1.0	-	-	28.8		7.9		24.4		77.3		5.2		5.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.4	28.4	8.0	8.0	25.4	25.4	74.5	74.5	5.0	5.0	7.7		8		-				-		-	
						3.9	-	-	28.4		8.0		25.4		74.5		5.0		7.8		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 08 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	15:51	8.2	Surface	1.0	0.2	239	28.5	28.5	8.1	8.1	24.7	24.8	93.4	93.4	6.3	5.8	4.5	10.7	3	3	88	91	815600	804254	<0.2	<0.2	1.5	1.5
						1.0	0.2	253	28.5		8.1		24.8		93.3		6.3		4.8		3		88				<0.2		1.4	
					Middle	4.1	0.2	202	27.6	27.6	8.2	8.2	28.3	28.3	76.9	76.9	5.2		12.9		3		91				<0.2		1.6	
						4.1	0.2	212	27.6		8.2		28.3		76.8		5.2		13.0		3		92				<0.2		1.6	
					Bottom	7.2	0.2	199	27.2	27.2	8.2	8.2	29.7	29.7	68.6	68.6	4.6	4.6	14.5		2		92				<0.2		1.5	
						7.2	0.2	213	27.2		8.2		29.7		68.6		4.6		14.5		2		93				<0.2		1.5	
C2	Cloudy	Moderate	14:33	11.6	Surface	1.0	0.4	129	28.2	28.2	7.8	7.8	25.0	25.0	75.4	75.3	5.1	5.0	4.2	4.8	2	3	85	88	825702	806935	<0.2	<0.2	1.2	1.4
						1.0	0.4	137	28.2		7.8		25.1		75.2		5.1		4.3		3		86				<0.2		1.3	
					Middle	5.8	0.2	169	27.7	27.7	7.8	7.8	26.7	26.8	72.7	72.7	4.9		5.2		3		88				<0.2		1.5	
						5.8	0.2	177	27.6		7.8		26.8		72.6		4.9		5.3		2		88				<0.2		1.4	
					Bottom	10.6	0.1	157	27.5	27.5	7.8	7.8	27.3	27.2	72.5	72.6	4.9	4.9	5.0		3		90				<0.2		1.4	
						10.6	0.2	167	27.5		7.8		27.2		72.6		4.9		5.0		3		90				<0.2		1.4	
C3	Cloudy	Moderate	16:24	12.1	Surface	1.0	0.4	105	27.7	27.7	7.8	7.8	26.6	26.6	88.9	88.8	6.0	5.7	1.3	3.5	2	2	86	88	822120	817814	<0.2	<0.2	1.1	1.2
						1.0	0.4	105	27.7		7.8		26.6		88.7		6.0		1.4		3		86				<0.2		1.2	
					Middle	6.1	0.3	77	27.5	27.5	7.8	7.8	27.3	27.4	79.9	79.9	5.4		2.4		<2		88				<0.2		1.1	
						6.1	0.3	80	27.4		7.8		27.4		79.8		5.4		2.5		<2		89				<0.2		1.3	
					Bottom	11.1	0.3	36	27.0	27.1	7.8	7.8	28.7	28.7	74.9	75.1	5.1	5.1	6.8		<2		90				<0.2		1.1	
						11.1	0.3	39	27.1		7.8		28.7		75.2		5.1		6.5		<2		90				<0.2		1.1	
IM1	Cloudy	Moderate	15:29	5.0	Surface	1.0	0.1	136	28.6	28.6	8.2	8.2	25.1	25.1	100.0	100.2	6.8	6.8	3.0	3.2	<2	2	87	89	817966	807135	<0.2	<0.2	1.1	1.3
						1.0	0.1	141	28.5		8.2		25.2		100.3		6.8		3.0		<2		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	221	28.3	28.3	8.2	8.2	26.0	26.0	99.8	99.7	6.7	6.7	3.5		2		90				<0.2		1.6	
						4.0	0.2	230	28.3		8.2		26.0		99.6		6.7		3.5		2		90				<0.2		1.5	
IM2	Cloudy	Moderate	15:16	6.9	Surface	1.0	0.1	168	28.2	28.2	8.1	8.1	25.7	25.7	95.8	95.8	6.5	6.2	2.8	4.5	3	4	86	89	818180	806144	<0.2	<0.2	1.1	1.1
						1.0	0.1	179	28.2		8.1		25.7		95.7		6.5		2.8		4		86				<0.2		1.0	
					Middle	3.5	0.2	211	28.2	28.2	8.1	8.1	26.8	26.8	86.4	86.4	5.8		4.2		4		90				<0.2		1.0	
						3.5	0.2	230	28.2		8.1		26.8		86.4		5.8		4.4		5		91				<0.2		1.1	
					Bottom	5.9	0.1	187	28.1	28.1	8.1	8.1	27.5	27.5	79.0	79.1	5.3	5.3	6.2		4		91				<0.2		1.3	
						5.9	0.1	190	28.0		8.1		27.5		79.1		5.3		6.5		5		92				<0.2		1.1	
IM3	Cloudy	Moderate	15:08	6.8	Surface	1.0	0.1	148	28.5	28.5	8.1	8.1	25.3	25.3	93.4	93.4	6.3	6.1	3.0	4.3	4	3	89	91	818797	805595	<0.2	<0.2	1.3	1.1
						1.0	0.1	152	28.5		8.1		25.3		93.4		6.3		3.1		4		89				<0.2		1.2	
					Middle	3.4	0.2	152	28.2	28.2	8.1	8.1	26.2	26.2	87.8	87.8	5.9		5.4		3		91				<0.2		0.9	
						3.4	0.2	160	28.2		8.1		26.2		87.8		5.9		5.5		3		92				<0.2		1.1	
					Bottom	5.8	0.1	170	28.1	28.1	8.0	8.0	27.3	27.3	80.7	80.7	5.4	5.4	4.3		3		92				<0.2		1.0	
						5.8	0.1	172	28.1		8.0		27.3		80.6		5.4		4.4		2		92				<0.2		1.1	
IM4	Cloudy	Moderate	14:57	8.4	Surface	1.0	0.3	201	28.6	28.6	8.1	8.1	25.3	25.3	93.8	93.8	6.3	6.1	2.9	6.8	2	2	88	90	819708	804621	<0.2	<0.2	1.5	1.3
						1.0	0.3	207	28.5		8.1		25.4		93.7		6.3		3.0		2		88				<0.2		1.6	
					Middle	4.2	0.1	174	28.3	28.3	8.1	8.1	26.3	26.3	86.2	86.4	5.8		3.9		2		90				<0.2		1.3	
						4.2	0.1	179	28.3		8.1		26.2		86.5		5.8		3.7		3		90				<0.2		1.2	
					Bottom	7.4	0.1	96	27.8	27.8	8.0	8.0	28.3	28.3	73.7	73.9	5.0	5.0	13.4		3		91				<0.2		1.2	
						7.4	0.1	102	27.8		8.0		28.2		74.0		5.0		13.6		2		92				<0.2		1.2	
IM5	Cloudy	Moderate	14:49	7.7	Surface	1.0	0.2	245	28.6	28.6	8.1	8.1	25.3	25.3	92.0	92.0	6.2	6.2	2.9	4.5	4	4	87	90	820731	804876	<0.2	<0.2	1.3	1.4
						1.0	0.2	256	28.6		8.1		25.3		91.9		6.2		2.9		4		87				<0.2		1.4	
					Middle	3.9	0.1	260	28.4	28.4	8.1	8.1	25.7	25.7	90.0	89.9	6.1		3.7		3		91				<0.2		1.4	
						3.9	0.1	271	28.3		8.1		25.7		89.8		6.1		4.1		4		91				<0.2		1.6	
					Bottom	6.7	0.1	193	27.9	27.9	8.1	8.1	27.5	27.5	76.1	76.4	5.1	5.2	6.9		4		92				<0.2		1.5	
						6.7	0.1	196	27.9		8.1		27.5		76.6		5.2		6.8		3		92				<0.2		1.3	
IM6	Cloudy	Moderate	14:42	7.4	Surface	1.0	0.3	243	28.7	28.7	8.1	8.1	24.9	24.9	89.9	89.9	6.1	5.9	3.2	5.6	2	3	87	90	821062	805826	<0.2	<0.2	1.3	1.3
						1.0	0.3	260	28.7		8.1		24.9		89.9		6.1		3.2		2		88				<0.2		1.4	
					Middle	3.7	0.2	236	28.2	28.2	8.1	8.1	26.8	26.8	82.9	82.9	5.6		6.1		3		90				<0.2		1.3	
						3.7	0.2	244	28.2		8.1		26.8		82.9		5.6		6.1		3		90				<0.2		1.4	
					Bottom	6.4	0.1	161	28.0	28.0	8.1	8.1	27.6	27.6	77.6	77.7	5.2	5.2	7.3		3		91				<0.2		1.3	
						6.4	0.1	176	28.0		8.1		27.6		77.7		5.2		8.0		3		91				<0.2		1.3	
IM7	Cloudy	Moderate	14:34	8.5	Surface	1.0	0.1	243	28.7	28.7	7.9	7.9	24.9	24.9	88.9	88.9	6.0	5.9	3.3	5.2	3	3	87	90	821344	806822	<0.2	<0.2	1.3	1.3
						1.0	0.1	245	28.7		7.9		24.9		88.9		6.0		3.3		2		87				<0.2		1.2	
					Middle	4.3	0.1	177	28.3	28.3	7.9	7.9	26.3	26.3	84.1	84.1	5.7		5.0		3		90				<0.2		1.2	
						4.3	0.1	190	28.3		7.9		26.3		84.1		5.7		5.1		3		90				<0.2		1.3	
					Bottom	7.5	0.1	204	28.2	28.2	7.9	7.9	26.7	26.7	84.6	84.8	5.7	5.7	7.3		4		92				<0.2		1.3	
						7.5	0.1	223	28.2		7.9		26.7		84.9		5.7		7.2		4		92				<0.2		1.2	
IM8	Cloudy	Moderate	14:59	7.9	Surface	1.0	0.1	122	28.3	28.3	7.8	7.8	24.8	24.9	82.3	82.0	5.6	5.4	6.0	9.9	3	3	86	88	821814	808132	<0.2	<0.2	1.2	1.2
						1.0	0.1	133	28.3		7.8		24.9		81.6		5.5		6.4		2		86				<0.2		1.3	
					Middle	4.0	0.1	122	28.0	28.0	7.8	7.8	25.6	25.6	77.9	78.1	5.3		10.0		2		88				<0.2		1.2	
						4.0	0.1	122	28.0		7.8		25.6		78.2		5.3		10.1		3		89				<0.2		1.2	
					Bottom	6.9	0.1	77	27.9	27.9	7.8	7.8	25.8	25.8	80.6	80.7	5.5	5.5	13.1		2		90				<0.2		1.1	
						6.9	0.1	79	27.9		7.8		25.8		80.8		5.5		13.9		3		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 September 20 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	15:06	7.3	Surface	1.0	0.2	110	28.4	28.4	7.8	7.8	23.9	23.9	85.4	85.4	5.8	5.5	1.4	7.5	2	3	86	88	822110	808814	<0.2	<0.2	1.3	1.3
						1.0	0.2	111	28.4		7.8		23.9		85.3		5.8		1.4		2		87				<0.2		1.3	
					Middle	3.7	0.2	109	28.2	28.2	7.7	7.7	25.3	25.3	75.3	75.2	5.1		7.7		2		88				<0.2		1.3	
						3.7	0.2	114	28.2		7.7		25.3		75.0		5.1		8.1		3		89				<0.2		1.3	
					Bottom	6.3	0.3	116	28.1	28.1	7.7	7.7	25.7	25.7	74.6	74.7	5.1	5.1	13.3		3		90				<0.2		1.2	
						6.3	0.3	117	28.1		7.7		25.7		74.7		5.1		13.3		3		90				<0.2		1.4	
IM10	Cloudy	Moderate	15:13	7.6	Surface	1.0	0.5	88	28.4	28.4	7.8	7.8	23.6	23.6	86.6	86.6	5.9	5.6	1.2	6.4	3	3	86	88	822403	809808	<0.2	<0.2	1.3	1.3
						1.0	0.5	93	28.4		7.8		23.6		86.5		5.9		1.3		2		87				<0.2		1.4	
					Middle	3.8	0.5	101	27.9	27.9	7.7	7.7	25.9	25.9	76.0	76.0	5.2		6.0		3		88				<0.2		1.3	
						3.8	0.6	107	27.9		7.7		26.0		76.0		5.2		6.4		3		89				<0.2		1.2	
					Bottom	6.6	0.3	93	27.6	27.6	7.7	7.7	27.0	27.0	72.9	73.0	4.9	5.0	11.8		3		90				<0.2		1.2	
						6.6	0.3	94	27.6		7.7		27.0		73.1		5.0		11.9		4		90				<0.2		1.3	
IM11	Cloudy	Moderate	15:23	8.1	Surface	1.0	0.7	124	28.4	28.4	7.8	7.8	24.0	24.0	86.8	86.8	5.9	5.6	1.6	3.1	2	3	86	88	822034	811450	<0.2	<0.2	1.3	1.3
						1.0	0.7	125	28.4		7.8		24.0		86.8		5.9		1.6		2		86				<0.2		1.2	
					Middle	4.1	0.4	144	27.8	27.8	7.8	7.8	26.4	26.5	76.0	76.0	5.2		3.3		2		88				<0.2		1.2	
						4.1	0.5	153	27.7		7.8		26.5		75.9		5.2		3.2		3		89				<0.2		1.3	
					Bottom	7.1	0.2	125	27.4	27.4	7.8	7.8	27.3	27.5	76.3	76.8	5.2	5.2	4.2		3		90				<0.2		1.3	
						7.1	0.2	131	27.3		7.8		27.6		77.3		5.2		4.6		3		90				<0.2		1.3	
IM12	Cloudy	Moderate	15:31	9.3	Surface	1.0	0.6	85	28.3	28.3	7.8	7.8	24.3	24.3	84.0	83.9	5.7	5.4	2.5	6.4	3	3	86	88	821462	812028	<0.2	<0.2	1.3	1.3
						1.0	0.6	89	28.2		7.8		24.3		83.7		5.7		2.7		3		86				<0.2		1.2	
					Middle	4.7	0.3	83	27.5	27.5	7.8	7.8	26.9	26.9	73.9	73.8	5.0		3.5		3		88				<0.2		1.4	
						4.7	0.3	89	27.5		7.8		26.9		73.7		5.0		3.6		3		89				<0.2		1.3	
					Bottom	8.3	0.2	97	27.4	27.4	7.8	7.8	27.4	27.4	73.3	73.4	5.0	5.0	13.7		<2		90				<0.2		1.2	
						8.3	0.2	100	27.4		7.8		27.4		73.5		5.0		12.7		<2		90				<0.2		1.4	
SR1A	Cloudy	Moderate	15:51	4.6	Surface	1.0	-	-	27.9	27.9	7.8	7.8	26.2	26.2	81.7	81.6	5.5	5.5	3.6	4.8	3	3	-	-	819982	812654	-	-	-	-
						1.0	-	-	27.8		7.8		26.2		81.4		5.5		4.0		3		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	27.7	27.7	7.8	7.8	26.8	26.8	73.9	74.0	5.0	5.0	6.0		3		-				-		-	
						3.6	-	-	27.7		7.8		26.8		74.0		5.0		5.5		4		-				-		-	
SR2	Cloudy	Moderate	16:02	4.0	Surface	1.0	0.3	88	27.7	27.7	7.8	7.8	26.6	26.6	82.0	82.0	5.6	5.6	2.3	2.4	3	3	88	89	821447	814187	<0.2	<0.2	1.1	1.2
						1.0	0.3	93	27.7		7.8		26.6		81.9		5.6		2.3		2		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	78	27.7	27.7	7.8	7.8	26.7	26.7	82.0	82.0	5.6	5.6	2.5		3		90				<0.2		1.2	
						3.0	0.1	83	27.7		7.8		26.7		82.0		5.6		2.5		3		90				<0.2		1.2	
SR3	Cloudy	Moderate	14:53	9.2	Surface	1.0	0.1	191	28.3	28.3	7.8	7.8	23.4	23.4	85.1	85.0	5.8	5.5	4.6	9.0	<2	2	-	-	822161	807584	-	-	-	-
						1.0	0.1	200	28.3		7.8		23.4		84.8		5.8		5.2		<2		-				-		-	
					Middle	4.6	0.1	209	28.1	28.1	7.8	7.8	25.5	25.5	76.7	76.8	5.2		9.5		<2		-				-		-	
						4.6	0.1	211	28.1		7.8		25.5		76.9		5.2		9.6		<2		-				-		-	
					Bottom	8.2	0.1	245	27.9	27.9	7.8	7.8	25.7	25.7	78.5	78.6	5.3	5.3	12.4		2		-				-		-	
						8.2	0.1	248	27.9		7.8		25.7		78.6		5.3		12.6		2		-				-		-	
SR4A	Cloudy	Moderate	16:15	8.9	Surface	1.0	0.1	73	28.5	28.5	8.1	8.1	24.9	24.9	97.8	97.8	6.6	6.4	3.5	6.0	4	4	-	-	817189	807817	-	-	-	-
						1.0	0.1	80	28.5		8.1		24.9		97.7		6.6		3.5		3		-				-		-	
					Middle	4.5	0.1	74	28.4	28.4	8.1	8.1	25.7	25.7	90.0	90.0	6.1		5.7		5		-				-		-	
						4.5	0.1	78	28.4		8.1		25.7		90.0		6.1		5.7		4		-				-		-	
					Bottom	7.9	0.2	51	28.2	28.2	8.1	8.1	27.0	27.0	81.5	81.7	5.5	5.5	8.8		4		-				-		-	
						7.9	0.2	55	28.2		8.1		27.0		81.8		5.5		8.9		5		-				-		-	
SR5A	Cloudy	Calm	16:31	4.2	Surface	1.0	0.1	5	28.7	28.7	8.1	8.1	25.8	25.8	92.5	92.6	6.2	6.2	7.0	10.8	5	5	-	-	816610	810695	-	-	-	-
						1.0	0.1	5	28.7		8.1		25.8		92.6		6.2		6.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	299	28.5	28.5	8.0	8.0	26.1	26.1	87.2	87.5	5.9	5.9	14.7		4		-				-		-	
						3.2	0.1	305	28.5		8.0		26.1		87.8		5.9		14.9		5		-				-		-	
SR6A	Cloudy	Calm	16:58	4.8	Surface	1.0	0.0	277	28.4	28.4	8.0	8.0	26.4	26.4	88.6	88.6	6.0	6.0	9.0	8.9	4	5	-	-	817951	814749	-	-	-	-
						1.0	0.0	281	28.4		8.0		26.4		88.6		6.0		9.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	232	28.4	28.4	8.0	8.0	26.6	26.6	89.4	89.5	6.0	6.0	8.7		5		-				-		-	
						3.8	0.1	252	28.4		8.0		26.6		89.6		6.0		8.9		6		-				-		-	
SR7	Cloudy	Moderate	16:53	16.5	Surface	1.0	0.3	97	27.5	27.5	7.8	7.8	27.3	27.3	87.9	87.8	6.0	5.5	0.8	1.5	2	2	-	-	823648	823745	-	-	-	-
						1.0	0.4	97	27.4		7.8		27.4		87.7		6.0		0.9		2		-				-		-	
					Middle	8.3	0.0	104	26.7	26.7	7.8	7.8	28.8	28.9	73.9	73.8	5.0		1.5		2		-				-		-	
						8.3	0.0	111	26.7		7.8		28.9		73.7		5.0		1.6		2		-				-		-	
					Bottom	15.5	0.1	9	26.5	26.5	7.8	7.8	29.4	29.4	73.7	73.8	5.0	5.0	2.0		<2		-				-		-	
						15.5	0.1	9	26.5		7.8		29.4		73.8		5.0		2.0		<2		-				-		-	
SR8	Cloudy	Moderate	15:42	4.2	Surface	1.0	-	-	28.3	28.3	7.8	7.8	25.5	25.5	85.0	85.0	5.8	5.8	3.3	3.4	3	4	-	-	820373	811637	-	-	-	-
						1.0	-	-	28.3		7.8		25.5		84.9		5.7		3.3		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	28.1	28.1	7.8	7.8	25.7	25.7	84.3	84.4	5.7	5.7	3.5		4		-				-		-	
						3.2	-	-	28.1		7.8		25.7		84.4		5.7		3.5		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	10:36	8.8	Surface	1.0	0.4	30	28.2	28.2	7.8	7.8	25.7	25.7	80.8	80.8	5.5	5.3	5.3	9.0	3	3	86	88	815634	804239	<0.2	<0.2	1.2	1.2
						1.0	0.4	32	28.2		7.8		25.7		80.7		5.5		5.5		3		86				<0.2		1.2	
					Middle	4.4	0.4	24	27.7	27.7	7.8	7.8	27.4	27.4	74.2	74.2	5.0		6.9		4		89				<0.2		1.1	
						4.4	0.4	24	27.6		7.8		27.4		74.2		5.0		6.9		2		89				<0.2		1.2	
					Bottom	7.8	0.2	21	27.0	27.0	7.8	7.8	30.2	30.2	65.6	65.9	4.4	4.5	14.7		3		90				<0.2		1.2	
						7.8	0.2	21	27.0		7.8		30.2		66.1		4.5		14.8		4		90				<0.2		1.2	
C2	Rainy	Moderate	11:31	12.2	Surface	1.0	0.2	337	28.6	28.6	7.7	7.7	22.7	22.6	79.8	79.9	5.5	5.3	2.0	10.5	<2	2	85	88	825679	806942	<0.2	<0.2	1.6	1.5
						1.0	0.2	339	28.6		7.7		22.6		80.0		5.5		2.2		<2		86				<0.2		1.4	
					Middle	6.1	0.3	318	27.9	27.9	7.7	7.7	26.3	26.3	74.8	74.8	5.1		13.0		2		87				<0.2		1.6	
						6.1	0.3	339	27.9		7.7		26.4		74.8		5.1		13.5		2		88				<0.2		1.6	
					Bottom	11.2	0.1	349	27.8	27.9	7.8	7.8	26.6	26.6	76.0	76.2	5.1	5.2	16.5		2		90				<0.2		1.4	
						11.2	0.1	359	27.9		7.8		26.5		76.3		5.2		16.0		3		90				<0.2		1.5	
C3	Rainy	Moderate	09:30	12.1	Surface	1.0	0.5	292	27.8	27.8	7.8	7.8	25.7	25.7	80.4	80.4	5.5	5.2	2.3	3.0	2	3	86	89	822112	817802	<0.2	<0.2	1.1	1.1
						1.0	0.5	301	27.8		7.8		25.7		80.4		5.5		2.3		2		88				<0.2		1.0	
					Middle	6.1	0.6	282	27.3	27.3	7.8	7.8	27.9	27.9	73.0	72.9	5.0		2.4		3		89				<0.2		1.1	
						6.1	0.6	291	27.2		7.8		28.0		72.8		4.9		2.4		3		90				<0.2		1.2	
					Bottom	11.1	0.3	289	26.9	26.9	7.7	7.7	28.8	28.8	71.5	71.6	4.9	4.9	4.5		3		90				<0.2		1.0	
						11.1	0.3	302	26.9		7.7		28.8		71.6		4.9		4.3		3		91				<0.2		1.1	
IM1	Rainy	Moderate	10:58	5.1	Surface	1.0	0.1	324	28.1	28.1	7.8	7.8	27.0	27.0	78.6	78.4	5.3	5.3	4.9	5.5	4	5	85	87	817966	807145	<0.2	<0.2	1.0	1.0
						1.0	0.1	329	28.1		7.8		27.0		78.2		5.3		5.0		4		85				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	350	28.0	28.0	7.7	7.7	27.5	27.5	77.2	77.3	5.2	5.2	6.0		5		89				<0.2		1.0	
						4.1	0.1	322	28.0		7.7		27.5		77.4		5.2		6.1		5		89				<0.2		1.0	
IM2	Rainy	Moderate	11:05	7.1	Surface	1.0	0.3	5	28.2	28.2	7.8	7.8	26.1	26.2	88.1	88.1	6.0	5.7	3.9	6.9	3	3	85	88	818179	806178	<0.2	<0.2	1.0	1.0
						1.0	0.3	5	28.2		7.8		26.2		88.0		5.9		4.0		3		86				<0.2		1.0	
					Middle	3.6	0.3	342	28.1	28.1	7.8	7.8	27.2	27.3	80.4	80.5	5.4		6.1		2		89				<0.2		1.0	
						3.6	0.3	350	28.1		7.8		27.3		80.5		5.4		6.8		3		89				<0.2		1.1	
					Bottom	6.1	0.2	346	27.8	27.8	7.8	7.8	28.1	28.1	73.7	73.9	5.0	5.0	10.4		3		90				<0.2		1.0	
						6.1	0.2	318	27.8		7.8		28.1		74.0		5.0		10.4		3		90				<0.2		1.1	
IM3	Rainy	Moderate	11:12	7.3	Surface	1.0	0.3	341	28.2	28.2	7.8	7.8	26.2	26.2	86.1	86.1	5.8	5.5	3.8	7.9	2	3	86	89	818787	805583	<0.2	<0.2	1.0	1.1
						1.0	0.3	314	28.2		7.8		26.2		86.1		5.8		3.8		2		86				<0.2		1.0	
					Middle	3.7	0.3	4	28.1	28.1	7.8	7.8	27.1	27.1	76.1	76.1	5.1		6.7		3		89				<0.2		1.1	
						3.7	0.3	4	28.0		7.8		27.1		76.1		5.1		6.7		4		90				<0.2		1.0	
					Bottom	6.3	0.2	322	27.7	27.8	7.8	7.8	28.6	28.6	71.6	71.7	4.8	4.8	13.1		3		91				<0.2		1.0	
						6.3	0.2	338	27.8		7.8		28.6		71.8		4.8		13.3		4		91				<0.2		1.2	
IM4	Rainy	Moderate	11:21	8.3	Surface	1.0	0.5	1	28.2	28.2	7.8	7.8	25.4	25.4	86.5	86.4	5.9	5.3	4.1	8.9	2	3	86	89	819710	804609	<0.2	<0.2	1.1	1.1
						1.0	0.6	1	28.2		7.8		25.4		86.2		5.8		4.2		3		87				<0.2		1.1	
					Middle	4.2	0.4	351	27.8	27.8	7.8	7.8	28.3	28.3	69.1	69.4	4.6		10.8		2		90				<0.2		1.1	
						4.2	0.4	357	27.7		7.8		28.3		69.6		4.7		10.8		3		90				<0.2		1.0	
					Bottom	7.3	0.3	329	27.7	27.7	7.8	7.8	28.4	28.4	71.1	71.3	4.8	4.8	11.6		3		90				<0.2		1.1	
						7.3	0.3	350	27.7		7.8		28.4		71.4		4.8		11.8		2		91				<0.2		1.2	
IM5	Rainy	Moderate	11:29	7.3	Surface	1.0	0.9	357	28.2	28.2	7.8	7.8	26.4	26.4	84.0	83.9	5.7	5.4	4.2	9.8	3	3	85	88	820719	804855	<0.2	<0.2	1.1	1.1
						1.0	0.9	328	28.2		7.8		26.4		83.8		5.7		4.2		2		86				<0.2		1.0	
					Middle	3.7	0.8	1	28.0	28.0	7.8	7.8	27.7	27.7	74.3	74.3	5.0		11.4		3		89				<0.2		1.0	
						3.7	0.8	1	28.0		7.8		27.7		74.3		5.0		11.5		3		89				<0.2		1.0	
					Bottom	6.3	0.6	13	27.9	27.9	7.8	7.8	27.8	27.8	75.1	75.2	5.0	5.1	13.7		4		90				<0.2		1.1	
						6.3	0.6	13	27.9		7.8		27.8		75.3		5.1		13.7		4		90				<0.2		1.1	
IM6	Rainy	Moderate	11:37	7.5	Surface	1.0	0.1	220	28.7	28.7	7.8	7.8	24.3	24.3	88.2	88.2	6.0	5.9	3.5	5.4	2	2	86	88	821043	805817	<0.2	<0.2	1.3	1.1
						1.0	0.1	230	28.7		7.8		24.3		88.1		6.0		3.6		2		85				<0.2		1.3	
					Middle	3.8	0.1	173	28.4	28.4	7.8	7.8	25.8	25.9	84.7	84.6	5.7		5.5		2		89				<0.2		1.2	
						3.8	0.1	175	28.4		7.8		25.9		84.5		5.7		5.7		2		89				<0.2		1.0	
					Bottom	6.5	0.1	150	28.2	28.2	7.8	7.8	26.6	26.6	85.0	85.1	5.7	5.7	7.2		2		90				<0.2		1.0	
						6.5	0.1	150	28.2		7.8		26.6		85.2		5.7		7.2		3		90				<0.2		1.0	
IM7	Rainy	Moderate	11:46	8.5	Surface	1.0	0.1	325	28.7	28.7	7.8	7.8	24.0	24.0	87.5	87.5	5.9	5.9	3.3	4.7	3	3	87	89	821328	806828	<0.2	<0.2	1.4	1.4
						1.0	0.1	351	28.7		7.8		24.0		87.4		5.9		3.4		2		87				<0.2		1.3	
					Middle	4.3	0.1	91	28.8	28.8	7.7	7.7	24.6	24.6	86.5	86.5	5.8		4.5		2		89				<0.2		1.3	
						4.3	0.1	92	28.8		7.7		24.6		86.4		5.8		4.7		3		89				<0.2		1.3	
					Bottom	7.5	0.1	55	28.8	28.8	7.7	7.7	24.8	24.8	86.7	86.8	5.8	5.9	6.1		3		91				<0.2		1.4	
						7.5	0.1	57	28.8		7.7		24.8		86.9		5.9		6.0		2		91				<0.2		1.5	
IM8	Rainy	Moderate	11:01	7.9	Surface	1.0	0.1	241	28.2	28.2	7.8	7.8	23.7	23.7	85.5	85.5	5.8	5.6	2.4	6.6	2	2	86	88	821827	808138	<0.2	<0.2	1.2	1.2
						1.0	0.1	256	28.2		7.8		23.7		85.4		5.8		2.5		2		86				<0.2		1.2	
					Middle	4.0	0.1	214	28.4	28.4	7.7	7.7	24.7	24.7	79.6	79.6	5.4		6.1		<2		88				<0.2		1.2	
						4.0	0.1	232	28.3		7.7		24.7		79.6		5.4		6.3		<2		87				<0.2		1.2	
					Bottom	6.9	0.1	236	28.3	28.3	7.7	7.7	24.8	24.8	80.5	80.6	5.5	5.5	11.1		<2		90				<0.2		1.2	
						6.9	0.1	252	28.3		7.7		24.8		80.6		5.5		11.5		<2		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 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	10:55	7.6	Surface	1.0	0.2	255	28.2	28.2	7.8	7.8	25.0	25.0	79.1	79.1	5.4	5.4	8.0	8.9	7	8	86	88	822078	808804	<0.2	<0.2	1.1	1.1
						1.0	0.2	260	28.2		7.8		25.0		79.0		5.4		8.3		8		87				<0.2		1.2	
					Middle	3.8	0.2	252	28.2	28.2	7.7	7.7	25.1	25.1	78.6	78.6	5.3		9.2		8		88				<0.2		1.1	
						3.8	0.2	252	28.2		7.7		25.1		78.6		5.3		9.3		8		89				<0.2		1.2	
					Bottom	6.6	0.1	248	28.2	28.2	7.8	7.8	25.1	25.1	79.3	79.4	5.4	5.4	9.3		9		90				<0.2		1.1	
						6.6	0.1	261	28.2		7.8		25.1		79.4		5.4		9.3		10		90				<0.2		1.1	
IM10	Rainy	Moderate	10:46	8.7	Surface	1.0	0.6	332	28.2	28.2	7.8	7.8	24.8	24.8	81.0	80.9	5.5	5.4	4.9	7.4	3	4	87	88	822383	809794	<0.2	<0.2	1.1	1.1
						1.0	0.6	341	28.2		7.8		24.8		80.8		5.5		5.0		4		86				<0.2		1.1	
					Middle	4.4	0.6	327	28.1	28.1	7.8	7.8	25.5	25.5	77.7	77.6	5.3		7.4		4		88				<0.2		1.1	
						4.4	0.6	333	28.1		7.8		25.5		77.5		5.3		7.1		4		89				<0.2		1.1	
					Bottom	7.7	0.4	313	28.0	28.0	7.8	7.8	25.9	25.9	77.2	77.3	5.2	5.2	10.1		4		90				<0.2		1.0	
						7.7	0.4	342	28.0		7.8		25.9		77.3		5.2		9.9		4		90				<0.2		1.1	
IM11	Rainy	Moderate	10:35	7.8	Surface	1.0	0.5	292	28.1	28.1	7.8	7.8	25.2	25.2	78.3	78.2	5.3	5.2	2.6	4.2	2	3	86	88	822067	811448	<0.2	<0.2	1.1	1.1
						1.0	0.5	306	28.1		7.8		25.2		78.1		5.3		2.6		3		86				<0.2		1.1	
					Middle	3.9	0.5	285	27.7	27.7	7.8	7.8	26.5	26.6	76.0	75.8	5.2		2.9		3		88				<0.2		1.1	
						3.9	0.5	308	27.6		7.8		26.7		75.6		5.1		2.9		2		89				<0.2		1.1	
					Bottom	6.8	0.2	252	27.4	27.4	7.8	7.8	27.6	27.6	70.6	70.7	4.8	4.8	6.9		2		90				<0.2		1.2	
						6.8	0.2	255	27.4		7.8		27.6		70.7		4.8		7.6		3		90				<0.2		1.1	
IM12	Rainy	Moderate	10:27	9.2	Surface	1.0	0.5	274	28.1	28.1	7.8	7.8	25.1	25.1	82.0	82.0	5.6	5.3	2.1	8.1	3	2	86	88	821457	812044	<0.2	<0.2	1.1	1.1
						1.0	0.5	283	28.1		7.8		25.1		81.9		5.6		2.1		2		85				<0.2		1.2	
					Middle	4.6	0.5	263	27.8	27.8	7.8	7.8	26.6	26.6	73.8	73.8	5.0		10.2		2		88				<0.2		1.1	
						4.6	0.5	272	27.8		7.8		26.6		73.7		5.0		10.7		2		87				<0.2		1.1	
					Bottom	8.2	0.3	254	27.6	27.6	7.8	7.8	27.1	27.1	72.1	72.4	4.9	4.9	11.8		2		90				<0.2		1.0	
						8.2	0.3	258	27.6		7.8		27.1		72.6		4.9		11.6		3		90				<0.2		1.0	
SR1A	Rainy	Moderate	10:05	5.4	Surface	1.0	-	-	28.0	28.0	7.8	7.8	24.9	24.9	82.7	82.7	5.6	5.6	2.5	3.0	3	3	-	-	819985	812669	-	-	-	-
						1.0	-	-	28.0		7.8		24.9		82.6		5.6		2.5		2		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	28.0	28.0	7.8	7.8	25.4	25.4	83.1	83.2	5.6	5.7	3.4		3		-				-		-	
						4.4	-	-	28.0		7.8		25.4		83.3		5.7		3.7		4		-				-		-	
SR2	Rainy	Moderate	09:51	4.6	Surface	1.0	0.1	340	27.8	27.8	7.7	7.7	25.6	25.6	79.6	79.5	5.4	5.4	4.6	6.7	4	6	88	88	821465	814181	<0.2	<0.2	0.9	1.0
						1.0	0.1	348	27.8		7.7		25.6		79.4		5.4		5.1		5		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	174	27.2	27.2	7.7	7.7	28.1	28.1	73.2	73.6	5.0	5.0	8.7		7		89				<0.2		1.0	
						3.6	0.1	186	27.2		7.7		28.1		74.0		5.0		8.6		6		90				<0.2		1.0	
SR3	Rainy	Moderate	11:11	9.3	Surface	1.0	0.1	276	28.3	28.3	7.7	7.7	23.0	23.0	81.2	81.0	5.6	5.4	2.5	7.2	2	2	-	-	822132	807550	-	-	-	-
						1.0	0.1	300	28.3		7.7		23.0		80.8		5.5		2.5		3		-				-		-	
					Middle	4.7	0.1	248	28.3	28.3	7.7	7.7	25.1	25.1	76.3	76.3	5.2		8.8		<2		-				-		-	
						4.7	0.1	248	28.3		7.7		25.1		76.2		5.2		9.0		<2		-				-		-	
					Bottom	8.3	0.1	105	28.2	28.2	7.7	7.7	25.5	25.5	77.1	77.3	5.2	5.2	10.3		<2		-				-		-	
						8.3	0.1	108	28.2		7.7		25.5		77.4		5.2		10.2		<2		-				-		-	
SR4A	Rainy	Moderate	10:14	9.5	Surface	1.0	0.2	236	28.5	28.5	7.8	7.8	25.7	25.7	85.4	85.4	5.8	5.8	7.8	8.7	8	7	-	-	817180	807810	-	-	-	-
						1.0	0.2	238	28.5		7.8		25.7		85.4		5.7		7.9		8		-				-		-	
					Middle	4.8	0.3	242	28.6	28.6	7.8	7.8	25.9	25.9	85.5	85.5	5.7		8.7		6		-				-		-	
						4.8	0.3	247	28.6		7.8		25.9		85.5		5.8		8.6		6		-				-		-	
					Bottom	8.5	0.2	253	28.6	28.6	7.8	7.8	25.9	25.9	85.9	86.0	5.8	5.8	9.7		6		-				-		-	
						8.5	0.2	269	28.6		7.8		25.9		86.1		5.8		9.6		5		-				-		-	
SR5A	Rainy	Calm	09:58	3.5	Surface	1.0	0.1	285	28.6	28.6	7.9	7.9	26.3	26.3	86.3	86.4	5.8	5.8	9.4	12.0	8	10	-	-	816609	810677	-	-	-	-
						1.0	0.1	288	28.6		7.9		26.3		86.4		5.8		9.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	261	28.5	28.5	7.9	7.9	26.3	26.3	88.9	89.0	6.0	6.0	14.8		10		-				-		-	
						2.5	0.1	285	28.5		7.9		26.3		89.1		6.0		14.6		11		-				-		-	
SR6A	Rainy	Calm	09:21	4.5	Surface	1.0	0.0	210	28.4	28.4	7.9	7.9	26.8	26.8	82.2	82.2	5.5	5.5	12.6	11.8	8	7	-	-	817952	814730	-	-	-	-
						1.0	0.0	224	28.4		7.9		26.8		82.1		5.5		12.7		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	348	28.2	28.2	7.8	7.8	27.4	27.4	80.2	80.5	5.4	5.4	10.9		5		-				-		-	
						3.5	0.0	320	28.2		7.8		27.4		80.7		5.4		11.1		6		-				-		-	
SR7	Rainy	Moderate	08:56	16.3	Surface	1.0	0.1	252	27.8	27.8	7.8	7.8	26.4	26.4	81.6	81.6	5.5	5.3	2.4	6.0	<2	<2	-	-	823637	823730	-	-	-	-
						1.0	0.1	254	27.8		7.8		26.4		81.6		5.5		2.6		<2		-				-		-	
					Middle	8.2	0.2	198	27.2	27.2	7.8	7.8	28.0	28.0	74.3	74.3	5.0		11.6		<2		-				-		-	
						8.2	0.2	200	27.2		7.8		28.1		74.2		5.0		11.1		<2		-				-		-	
					Bottom	15.3	0.0	249	27.0	27.0	7.8	7.8	28.5	28.5	73.3	73.4	5.0	5.0	4.2		<2		-				-		-	
						15.3	0.0	254	27.0		7.8		28.5		73.4		5.0		4.1		<2		-				-		-	
SR8	Rainy	Moderate	10:15	3.5	Surface	1.0	-	-	28.1	28.1	7.8	7.8	24.9	24.9	81.2	81.2	5.5	5.5	12.3	11.0	9	10	-	-	820386	811625	-	-	-	-
						1.0	-	-	28.1		7.8		24.9		81.2		5.5		12.4		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	-	-	28.1	28.1	7.8	7.8	25.2	25.2	81.1	81.2	5.5	5.5	9.3		10		-				-		-	
						2.5	-	-	28.1		7.8		25.2		81.2		5.5		10.1		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 10 September 20 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Cloudy	Moderate	05:36	8.6	Surface	1.0	0.3	198	28.8	28.8	1.2	1.2	20.6	20.5	89.8	89.7	6.2	5.8	7.8	7.8	<2	<2	85	87	815631	804238	<0.2	<0.2	1.4	1.3
						1.0	0.3	211	28.8		1.2		20.5		89.6		6.2		7.8		<2		85				<0.2		1.4	
					Middle	4.3	0.3	204	27.6	27.7	1.8	1.9	25.8	25.8	78.5	78.5	5.4		7.8		<2		88				<0.2		1.1	
						4.3	0.3	221	27.7		2.0		25.8		78.5		5.4		7.8		<2		88				<0.2		0.9	
					Bottom	7.6	0.3	226	26.5	26.5	9.3	9.3	29.8	29.8	61.8	62.0	4.2	4.2	7.8		<2		89				<0.2		1.5	
						7.6	0.3	246	26.5		9.2		29.8		62.2		4.2		7.8		<2		89				<0.2		1.4	
C2	Rainy	Moderate	06:47	11.5	Surface	1.0	0.7	174	29.0	29.0	7.9	7.9	22.0	21.9	78.8	78.7	5.4	5.3	4.2	5.0	<2	<2	86	88	825697	806938	<0.2	<0.2	1.3	1.2
						1.0	0.8	187	28.9		7.9		21.9		78.6		5.4		4.2		<2		86				<0.2		1.3	
					Middle	5.8	0.4	163	28.1	28.1	7.9	7.9	27.0	27.2	75.2	75.3	5.1		4.7		<2		88				<0.2		1.0	
						5.8	0.4	165	28.0		7.9		27.3		75.3		5.1		4.6		<2		87				<0.2		1.0	
					Bottom	10.5	0.3	164	27.7	27.7	7.9	7.9	28.5	28.5	71.5	71.5	4.8	4.8	6.0		<2		90				<0.2		1.1	
						10.5	0.3	179	27.7		7.9		28.5		71.4		4.8		6.0		<2		91				<0.2		1.2	
C3	Cloudy	Moderate	04:43	11.4	Surface	1.0	0.3	47	28.0	28.0	7.9	7.9	27.2	27.3	79.8	79.8	5.4	5.4	4.1	4.5	2	2	86	88	822107	817822	<0.2	<0.2	1.5	1.1
						1.0	0.3	49	27.9		8.0		27.3		79.7		5.4		4.0		2		85				<0.2		1.5	
					Middle	5.7	0.2	59	27.7	27.7	8.0	8.0	28.1	28.1	78.9	78.9	5.3		4.1		2		88				<0.2		0.9	
						5.7	0.2	62	27.7		8.0		28.1		78.8		5.3		4.1		2		88				<0.2		0.9	
					Bottom	10.4	0.2	66	27.3	27.3	8.0	8.0	29.4	29.4	75.9	75.9	5.1	5.1	5.3		3		90				<0.2		0.9	
						10.4	0.2	66	27.2		8.0		29.4		75.8		5.1		5.4		2		91				<0.2		0.8	
IM1	Rainy	Moderate	05:59	4.8	Surface	1.0	0.1	233	27.8	27.8	6.7	6.8	26.2	26.3	74.8	74.8	5.1	5.1	7.8	7.8	2	2	84	87	817950	807119	<0.2	<0.2	1.1	1.2
						1.0	0.1	236	27.8		7.0		26.3		74.8		5.1		7.8		3		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	233	27.3	27.3	8.9	9.0	27.6	27.6	67.4	67.6	4.6	4.6	7.8		<2		88				<0.2		1.3	
						3.8	0.1	252	27.3		9.2		27.6		67.8		4.6		7.8		<2		89				<0.2		1.2	
IM2	Rainy	Moderate	06:06	6.9	Surface	1.0	0.1	211	28.5	28.5	1.6	1.6	23.2	23.2	87.5	87.4	6.0	5.4	7.8	7.8	<2	<2	85	88	818145	806173	<0.2	<0.2	1.0	0.9
						1.0	0.1	219	28.5		1.6		23.2		87.3		6.0		7.8		<2		85				<0.2		0.9	
					Middle	3.5	0.2	126	27.6	27.6	4.1	4.2	26.8	26.8	70.9	71.1	4.8		7.8		<2		88				<0.2		0.8	
						3.5	0.2	137	27.6		4.4		26.8		71.2		4.8		7.8		<2		89				<0.2		0.7	
					Bottom	5.9	0.1	62	26.9	26.9	9.2	9.3	28.5	28.5	66.2	66.4	4.5	4.5	7.8		<2		89				<0.2		1.0	
						5.9	0.1	64	26.9		9.4		28.5		66.5		4.5		7.8		<2		90				<0.2		1.0	
IM3	Cloudy	Moderate	06:14	7.2	Surface	1.0	0.1	251	28.2	28.2	3.1	3.1	24.5	24.5	85.3	85.2	5.8	5.4	7.8	7.8	<2	2	85	88	818763	805611	<0.2	<0.2	1.6	1.3
						1.0	0.1	253	28.2		3.1		24.5		85.0		5.8		7.8		<2		86				<0.2		1.4	
					Middle	3.6	0.1	192	27.6	27.6	4.6	4.8	26.2	26.2	72.1	72.0	4.9		7.8		<2		88				<0.2		1.1	
						3.6	0.1	204	27.5		5.0		26.3		71.9		4.9		7.8		<2		89				<0.2		1.0	
					Bottom	6.2	0.1	93	26.9	26.9	9.3	9.4	28.7	28.6	62.7	62.9	4.3	4.3	7.8		2		90				<0.2		1.3	
						6.2	0.2	94	26.9		9.4		28.6		63.0		4.3		7.8		2		90				<0.2		1.5	
IM4	Cloudy	Moderate	06:24	7.1	Surface	1.0	0.8	195	28.3	28.3	2.6	2.7	18.8	18.8	84.2	84.1	5.9	5.5	7.8	7.8	<2	2	86	88	819718	804592	<0.2	<0.2	1.0	1.0
						1.0	0.8	211	28.2		2.9		18.8		84.0		5.9		7.8		<2		86				<0.2		1.0	
					Middle	3.6	0.5	186	27.7	27.7	6.1	6.1	26.0	26.0	73.0	73.0	5.0		7.8		<2		89				<0.2		1.0	
						3.6	0.5	188	27.7		6.1		26.0		73.0		5.0		7.8		<2		89				<0.2		0.9	
					Bottom	6.1	0.4	179	27.7	27.7	7.0	7.0	26.2	26.1	74.5	74.6	5.1	5.1	7.8		2		89				<0.2		1.0	
						6.1	0.4	181	27.7		7.0		26.1		74.7		5.1		7.8		2		90				<0.2		1.0	
IM5	Cloudy	Moderate	06:36	7.5	Surface	1.0	0.7	207	28.8	28.8	1.8	1.8	17.4	17.4	85.9	85.9	6.0	5.5	7.8	7.8	2	2	84	88	820756	804848	<0.2	<0.2	1.7	1.3
						1.0	0.7	220	28.8		1.8		17.4		85.9		6.0		7.8		2		85				<0.2		1.6	
					Middle	3.8	0.6	229	28.0	28.0	3.1	3.1	25.4	25.4	73.8	73.8	5.0		7.8		<2		88				<0.2		1.2	
						3.8	0.6	247	28.0		3.1		25.4		73.8		5.0		7.8		<2		89				<0.2		1.1	
					Bottom	6.5	0.4	198	27.7	27.7	5.1	5.1	26.3	26.3	72.6	72.7	4.9	5.0	7.8		<2		89				<0.2		1.0	
						6.5	0.4	205	27.7		5.1		26.3		72.8		5.0		7.8		<2		90				<0.2		1.0	
IM6	Cloudy	Moderate	06:45	6.8	Surface	1.0	0.5	222	28.5	28.5	1.7	1.8	19.1	19.0	83.0	82.9	5.8	5.4	7.8	7.7	<2	<2	86	89	821043	805829	<0.2	<0.2	1.0	1.1
						1.0	0.5	222	28.5		1.9		18.9		82.8		5.8		7.8		<2		86				<0.2		0.9	
					Middle	3.4	0.5	256	28.0	28.0	4.4	4.6	25.1	25.1	72.1	72.0	4.9		7.7		<2		89				<0.2		1.3	
						3.4	0.5	262	28.0		4.8		25.2		71.9		4.9		7.7		<2		89				<0.2		1.5	
					Bottom	5.8	0.3	260	27.8	27.8	9.8	9.8	26.0	26.0	67.1	67.1	4.6	4.6	7.7		<2		91				<0.2		0.9	
						5.8	0.3	280	27.8		9.8		26.0		67.1		4.6		7.7		<2		91				<0.2		0.8	
IM7	Cloudy	Moderate	06:54	8.1	Surface	1.0	0.2	254	28.4	28.4	1.9	1.9	21.8	21.8	81.8	81.9	5.6	5.3	7.7	7.7	<2	2	88	90	821336	806855	<0.2	<0.2	1.3	1.3
						1.0	0.2	262	28.4		1.9		21.8		81.9		5.6		7.7		<2		88				<0.2		1.2	
					Middle	4.1	0.3	251	28.0	28.0	3.5	3.6	25.4	25.4	73.8	73.8	5.0		7.7		<2		89				<0.2		1.0	
						4.1	0.4	255	28.0		3.7		25.4		73.8		5.0		7.7		<2		90				<0.2		1.0	
					Bottom	7.1	0.2	249	27.7	27.8	6.4	6.4	26.3	26.3	69.2	69.4	4.7	4.7	7.7		2		91				<0.2		1.7	
						7.1	0.2	257	27.8		6.4		26.3		69.5		4.7		7.7		2		92				<0.2		1.5	
IM8	Rainy	Moderate	06:16	7.7	Surface	1.0	0.0	262	28.4	28.4	8.0	8.0	23.7	23.6	84.5	84.5	5.8	5.5	6.6	8.7	2	2	86	90	821846	808131	<0.2	<0.2	1.0	1.0
						1.0	0.0	270	28.3		8.0		23.4		84.4		5.8		7.1		2		88				<0.2		1.1	
					Middle	3.9	0.2	189	28.2	28.2	8.0	8.0	26.9	26.9	77.6	77.6	5.2		8.8		<2		89				<0.2		1.1	
						3.9	0.2	189	28.2		8.0		26.9		77.6		5.2		9.2		<2		95				<0.2		1.1	
					Bottom	6.7	0.1	218	28.2	28.2	8.0	8.0	26.9	26.9	78.1	78.2	5.3	5.3	9.8		<2		90				<0.2		1.0	
						6.7	0.1	233	28.2		8.0		26.9		78.3		5.3		10.7		<2		90				<0.2		0.9	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Rainy	Moderate	06:10	7.8	Surface	1.0	0.2	130	28.7	28.7	7.9	7.9	22.4	22.4	86.6	86.6	5.9	5.6	4.1	6.0	2	2	86	88	822117	808828	<0.2	<0.2	1.3	1.2
						1.0	0.2	135	28.7		7.9		22.4		86.5		5.9		4.3		3		87				<0.2		1.4	
					Middle	3.9	0.2	137	28.3	28.3	8.0	8.0	26.3	26.3	78.1	78.0	5.3		5.4		3		88				<0.2		1.2	
						3.9	0.2	140	28.3		8.0		26.4		77.8		5.2		5.5		2		89				<0.2		1.0	
					Bottom	6.8	0.2	122	28.2	28.2	8.0	8.0	26.8	26.8	77.5	77.6	5.2	5.2	8.8		2		90				<0.2		1.2	
						6.8	0.2	125	28.2		8.0		26.8		77.6		5.2		8.0		2		90				<0.2		1.2	
IM10	Rainy	Moderate	06:02	7.6	Surface	1.0	0.5	125	28.6	28.6	7.9	7.9	24.4	24.4	83.0	82.9	5.6	5.4	5.2	7.7	3	5	86	88	822372	809814	<0.2	<0.2	1.4	1.2
						1.0	0.6	137	28.5		7.9		24.4		82.8		5.6		5.5		3		87				<0.2		1.5	
					Middle	3.8	0.5	131	28.3	28.3	7.9	7.9	26.4	26.4	76.8	76.9	5.2		8.2		5		88				<0.2		1.0	
						3.8	0.6	139	28.3		7.9		26.4		77.0		5.2		8.3		4		88				<0.2		1.2	
					Bottom	6.6	0.3	127	28.3	28.3	8.0	8.0	26.4	26.4	79.6	79.7	5.4	5.4	9.5		6		90				<0.2		1.2	
						6.6	0.4	134	28.3		8.0		26.4		79.8		5.4		9.4		8		90				<0.2		1.1	
IM11	Rainy	Moderate	05:50	7.8	Surface	1.0	0.5	104	28.8	28.8	7.9	7.9	23.7	23.6	82.6	82.5	5.6	5.3	3.6	7.6	2	3	86	88	822077	811457	<0.2	<0.2	1.3	1.4
						1.0	0.5	113	28.7		7.9		23.6		82.4		5.6		3.8		2		86				<0.2		1.1	
					Middle	3.9	0.4	106	28.0	28.0	8.0	8.0	27.4	27.4	73.3	73.3	4.9		9.2		3		88				<0.2		1.0	
						3.9	0.5	109	27.9		8.0		27.5		73.3		4.9		9.4		4		88				<0.2		0.9	
					Bottom	6.8	0.2	102	27.9	27.9	8.0	8.0	27.6	27.6	73.6	73.7	5.0	5.0	9.8		4		90				<0.2		2.0	
						6.8	0.2	111	27.9		8.0		27.6		73.8		5.0		9.8		5		90				<0.2		1.9	
IM12	Rainy	Moderate	05:43	8.8	Surface	1.0	0.5	108	28.8	28.8	7.9	7.9	23.7	23.7	82.3	82.3	5.6	5.4	4.0	5.5	2	4	87	89	821480	812055	<0.2	<0.2	1.5	1.4
						1.0	0.5	108	28.7		7.9		23.7		82.3		5.6		4.1		3		87				<0.2		1.3	
					Middle	4.4	0.5	106	28.4	28.4	8.0	8.0	26.1	26.1	75.4	75.4	5.1		6.0		4		88				<0.2		1.1	
						4.4	0.5	107	28.3		8.0		26.2		75.3		5.1		6.1		4		89				<0.2		1.2	
					Bottom	7.8	0.2	77	28.0	28.0	8.0	8.0	27.2	27.3	74.9	75.0	5.0	5.0	6.3		5		90				<0.2		1.6	
						7.8	0.2	84	28.0		8.0		27.3		75.0		5.0		6.3		6		90				<0.2		1.7	
SR1A	Cloudy	Moderate	05:22	5.1	Surface	1.0	-	-	28.4	28.4	7.9	7.9	24.3	24.3	82.9	82.8	5.6	5.6	5.0	5.1	4	4	-	-	819972	812665	-	-	-	-
						1.0	-	-	28.4		7.9		24.3		82.7		5.6		5.0		3		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.2	28.2	7.9	7.9	26.7	26.7	76.4	76.4	5.1	5.1	5.2		3		-				-		-	
						4.1	-	-	28.2		7.9		26.7		76.4		5.1		5.3		4		-				-		-	
SR2	Cloudy	Moderate	05:08	4.4	Surface	1.0	0.4	86	28.7	28.7	7.8	7.8	24.2	24.2	84.1	84.2	5.7	5.7	5.0	5.4	3	4	88	89	821458	814177	<0.2	<0.2	1.0	1.1
						1.0	0.4	90	28.7		7.8		24.2		84.3		5.7		5.2		3		88				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	75	28.2	28.2	7.9	7.9	26.3	26.3	82.2	82.4	5.5	5.6	5.7		4		89				<0.2		1.0	
						3.4	0.2	81	28.2		7.9		26.2		82.5		5.6		5.6		4		90				<0.2		1.0	
SR3	Rainy	Moderate	06:23	9.6	Surface	1.0	0.2	200	28.6	28.6	7.9	7.9	23.8	23.7	81.6	81.6	5.5	5.5	4.5	6.7	3	3	-	-	822141	807561	-	-	-	-
						1.0	0.3	217	28.6		7.9		23.6		81.5		5.5		4.6		4		-				-		-	
					Middle	4.8	0.3	178	28.3	28.3	7.9	7.9	25.8	25.8	80.8	80.8	5.5		5.9		3		-				-		-	
						4.8	0.3	192	28.3		7.9		25.8		80.8		5.5		6.0		3		-				-		-	
					Bottom	8.6	0.1	210	27.9	27.9	8.0	8.0	27.9	27.9	74.9	75.1	5.0	5.1	9.5		2		-				-		-	
						8.6	0.1	230	27.9		8.0		27.9		75.3		5.1		9.9		3		-				-		-	
SR4A	Cloudy	Calm	05:15	9.3	Surface	1.0	0.1	215	28.3	28.3	2.3	2.3	22.6	22.6	83.5	83.5	5.7	5.2	7.8	7.8	<2	2	-	-	817169	807831	-	-	-	-
						1.0	0.1	224	28.3		2.4		22.6		83.5		5.7		7.8		<2		-				-		-	
					Middle	4.7	0.1	65	27.7	27.7	4.7	4.7	26.7	26.7	69.9	69.9	4.7		7.8		2		-				-		-	
						4.7	0.1	66	27.7		4.7		26.6		69.9		4.7		7.8		2		-				-		-	
					Bottom	8.3	0.1	131	27.5	27.5	5.8	5.8	27.1	27.1	69.5	69.7	4.7	4.7	7.8		3		-				-		-	
						8.3	0.1	132	27.5		5.8		27.1		69.8		4.7		7.8		2		-				-		-	
SR5A	Cloudy	Calm	04:57	3.4	Surface	1.0	0.0	315	28.2	28.2	3.4	3.5	24.0	24.0	80.8	80.8	5.5	5.5	7.8	7.8	2	3	-	-	816603	810704	-	-	-	-
						1.0	0.0	343	28.2		3.5		24.0		80.7		5.5		7.8		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.0	335	28.3	28.3	3.8	3.8	24.3	24.3	80.0	80.1	5.5	5.5	7.8		3		-				-		-	
						2.4	0.0	339	28.3		3.8		24.3		80.1		5.5		7.8		4		-				-		-	
SR6A	Cloudy	Calm	04:29	5.1	Surface	1.0	0.0	85	27.9	27.9	4.2	4.3	25.4	25.5	76.4	76.4	5.2	5.2	7.8	7.8	4	4	-	-	817960	814754	-	-	-	-
						1.0	0.0	89	27.9		4.4		25.5		76.3		5.2		7.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	74	27.8	27.8	7.5	7.5	26.1	26.1	71.3	71.4	4.8	4.9	7.8		4		-				-		-	
						4.1	0.0	75	27.8		7.5		26.1		71.4		4.9		7.8		4		-				-		-	
SR7	Cloudy	Moderate	04:07	16.1	Surface	1.0	0.8	94	27.5	27.5	7.9	7.9	28.0	28.0	85.7	85.7	5.8	5.5	2.6	3.7	2	3	-	-	823654	823724	-	-	-	-
						1.0	0.8	103	27.4		7.9		28.0		85.7		5.8		2.8		2		-				-		-	
					Middle	8.1	0.3	78	26.9	26.9	8.0	8.0	30.1	30.2	75.9	75.9	5.1		3.9		3		-				-		-	
						8.1	0.3	82	26.8		8.0		30.2		75.8		5.1		4.0		4		-				-		-	
					Bottom	15.1	0.1	47	26.6	26.6	8.0	8.0	30.8	30.8	72.3	72.6	4.9	4.9	4.6		3		-				-		-	
						15.1	0.1	51	26.6		8.0		30.7		72.9		4.9		4.5		4		-				-		-	
SR8	Rainy	Moderate	05:33	4.7	Surface	1.0	-	-	28.9	28.9	7.9	7.9	24.1	24.1	86.4	86.5	5.8	5.8	9.0	8.5	<2	<2	-	-	820393	811637	-	-	-	-
						1.0	-	-	28.9		7.9		24.2		86.6		5.8		9.0		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	28.9	28.9	7.9	7.9	24.3	24.3	91.5	91.8	6.2	6.2	7.8		<2		-				-		-	
						3.7	-	-	28.9		7.9		24.3		92.1		6.2		8.1		<2		-				-		-	

DA: Depth-Averaged

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

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Cloudy	Moderate	12:33	7.8	Surface	1.0	0.3	52	28.8	28.8	1.8	1.8	19.5	19.5	84.4	84.4	5.9	5.1	7.7	7.7	<2	2	88	91	815625	804258	<0.2	<0.2	1.4	1.3
						1.0	0.3	54	28.8		1.8		19.5		84.3		5.8		7.7		<2		88				<0.2		1.2	
					Middle	3.9	0.3	35	27.3	27.3	7.0	6.9	27.5	27.5	65.0	65.0	4.4		7.7		<2		92				<0.2		1.3	
						3.9	0.3	36	27.2		6.8		27.5		64.9		4.4		7.7		<2		92				<0.2		1.3	
					Bottom	6.8	0.2	29	27.1	27.1	12.4	12.3	28.2	28.2	65.2	65.3	4.4	4.4	7.7		2		93				<0.2		1.2	
						6.8	0.2	29	27.1		12.1		28.2		65.3		4.4		7.7		3		93				<0.2		1.2	
C2	Cloudy	Moderate	11:14	11.9	Surface	1.0	0.4	171	29.4	29.4	8.0	8.0	14.2	14.3	83.7	83.6	5.9	5.4	5.5	8.9	2	2	86	88	825678	806937	<0.2	<0.2	2.0	1.9
						1.0	0.5	171	29.3		8.0		14.4		83.4		5.9		5.5		2		87				<0.2		2.0	
					Middle	6.0	0.1	330	27.9	27.9	7.8	7.8	27.9	27.9	70.7	70.7	4.8		6.3		2		88				<0.2		2.0	
						6.0	0.1	304	27.9		7.8		28.0		70.7		4.8		6.9		2		89				<0.2		1.8	
					Bottom	10.9	0.3	322	27.8	27.8	8.0	8.0	28.2	28.2	71.2	71.3	4.8	4.8	13.9		2		90				<0.2		1.8	
						10.9	0.3	332	27.8		8.0		28.2		71.3		4.8		15.4		3		90				<0.2		1.9	
C3	Cloudy	Moderate	13:13	11.6	Surface	1.0	0.3	240	28.2	28.2	8.2	8.2	26.8	26.9	80.4	80.4	5.4	5.2	3.3	4.9	3	4	87	88	822104	817811	<0.2	<0.2	1.8	1.7
						1.0	0.3	243	28.1		8.3		26.9		80.4		5.4		3.3		2		86				<0.2		1.8	
					Middle	5.8	0.2	256	27.2	27.2	8.3	8.3	29.5	29.6	74.3	74.3	5.0		5.3		3		89				<0.2		1.4	
						5.8	0.2	267	27.1		8.3		29.7		74.3		5.0		5.6		4		88				<0.2		1.5	
					Bottom	10.6	0.1	288	27.1	27.1	8.3	8.3	29.8	29.8	74.3	74.5	5.0	5.0	6.1		6		88				<0.2		1.7	
						10.6	0.1	289	27.1		8.3		29.7		74.6		5.0		6.1		5		90				<0.2		1.9	
IM1	Cloudy	Moderate	12:07	4.5	Surface	1.0	0.2	327	28.5	28.5	2.4	2.4	18.3	18.3	91.9	92.0	6.4	6.5	7.8	7.8	3	3	87	89	817958	807135	<0.2	<0.2	1.7	1.7
						1.0	0.2	334	28.5		2.4		18.3		92.0		6.5		7.8		2		87				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	258	28.2	28.2	2.5	2.6	20.6	20.6	91.3	91.3	6.4	6.4	7.8		3		90				<0.2		1.7	
						3.5	0.2	265	28.2		2.7		20.6		91.3		6.4		7.8		4		91				<0.2		1.8	
IM2	Cloudy	Moderate	11:59	6.6	Surface	1.0	0.5	350	28.5	28.5	2.4	2.4	18.2	18.2	88.2	88.2	6.2	6.0	7.8	7.8	4	3	87	90	818146	806165	<0.2	<0.2	1.6	1.5
						1.0	0.6	322	28.5		2.3		18.2		88.1		6.2		7.8		4		86				<0.2		1.6	
					Middle	3.3	0.4	329	28.2	28.2	3.6	3.6	21.0	21.1	82.0	81.9	5.7		7.8		4		91				<0.2		1.2	
						3.3	0.5	355	28.2		3.6		21.1		81.8		5.7		7.8		3		91				<0.2		1.4	
					Bottom	5.6	0.2	266	27.6	27.6	4.1	4.0	26.5	26.5	70.5	70.6	4.8	4.8	7.8		3		92				<0.2		1.7	
						5.6	0.2	287	27.6		4.0		26.6		70.6		4.8		7.8		2		92				<0.2		1.6	
IM3	Cloudy	Moderate	11:51	6.8	Surface	1.0	0.6	326	28.4	28.4	2.0	2.1	19.9	19.9	85.5	85.4	6.0	5.3	7.8	7.7	3	3	89	91	818775	805594	<0.2	<0.2	1.9	1.7
						1.0	0.6	356	28.4		2.2		19.9		85.2		5.9		7.8		2		89				<0.2		1.8	
					Middle	3.4	0.4	307	27.6	27.6	3.8	3.8	25.9	25.9	68.8	68.8	4.7		7.7		3		91				<0.2		1.7	
						3.4	0.4	308	27.6		3.8		25.9		68.8		4.7		7.7		2		92				<0.2		1.8	
					Bottom	5.8	0.2	285	27.2	27.2	3.6	3.6	27.8	27.8	63.9	63.9	4.3	4.3	7.7		4		92				<0.2		1.3	
						5.8	0.2	298	27.2		3.6		27.9		63.9		4.3		7.7		5		92				<0.2		1.5	
IM4	Cloudy	Moderate	11:39	7.5	Surface	1.0	0.5	327	28.1	28.1	2.0	2.0	22.9	22.9	85.6	85.5	5.9	5.6	7.8	7.8	3	4	87	90	819714	804613	<0.2	<0.2	1.8	1.8
						1.0	0.6	344	28.1		2.1		22.9		85.4		5.9		7.8		2		88				<0.2		2.0	
					Middle	3.8	0.4	330	27.9	27.9	2.4	2.4	26.0	26.0	77.5	77.5	5.3		7.8		4		90				<0.2		1.5	
						3.8	0.5	353	27.9		2.4		26.0		77.4		5.3		7.8		4		90				<0.2		1.7	
					Bottom	6.5	0.3	339	27.0	27.0	9.4	9.4	28.3	28.3	64.5	64.8	4.4	4.4	7.8		4		91				<0.2		1.8	
						6.5	0.3	347	27.0		9.4		28.3		65.0		4.4		7.8		5		91				<0.2		1.8	
IM5	Cloudy	Moderate	11:29	7.2	Surface	1.0	0.4	344	28.7	28.7	4.2	4.1	19.9	19.8	80.9	81.0	5.6	5.3	7.7	7.8	4	5	87	90	820754	804872	<0.2	<0.2	1.8	1.8
						1.0	0.4	316	28.7		4.1		19.8		81.0		5.6		7.7		5		87				<0.2		2.0	
					Middle	3.6	0.5	357	27.7	27.7	4.6	4.6	26.0	26.0	74.3	74.2	5.1		7.8		4		90				<0.2		1.8	
						3.6	0.5	328	27.7		4.7		26.1		74.1		5.0		7.8		5		90				<0.2		1.7	
					Bottom	6.2	0.2	17	27.7	27.8	5.6	5.6	26.6	26.6	73.7	73.8	5.0	5.0	7.8		6		91				<0.2		1.9	
						6.2	0.3	18	27.8		5.6		26.6		73.9		5.0		7.8		5		92				<0.2		1.8	
IM6	Cloudy	Moderate	11:21	6.9	Surface	1.0	0.4	271	28.9	29.0	4.1	4.1	16.4	16.4	79.9	79.8	5.6	5.3	7.7	7.7	3	4	86	89	821039	805810	<0.2	<0.2	2.0	2.0
						1.0	0.4	281	29.0		4.1		16.4		79.6		5.6		7.7		4		87				<0.2		1.9	
					Middle	3.5	0.1	337	28.4	28.4	6.4	6.6	22.8	22.8	72.1	72.1	4.9		7.7		4		90				<0.2		2.1	
						3.5	0.1	356	28.4		6.7		22.8		72.1		4.9		7.7		3		90				<0.2		2.0	
					Bottom	5.9	0.1	46	28.3	28.3	9.9	10.0	23.3	23.3	72.7	72.9	5.0	5.0	7.7		6		90				<0.2		2.2	
						5.9	0.1	49	28.3		10.2		23.3		73.0		5.0		7.7		5		91				<0.2		2.0	
IM7	Cloudy	Moderate	11:15	8.0	Surface	1.0	0.4	247	29.1	29.1	2.9	2.9	15.4	15.4	81.1	81.1	5.7	5.6	7.7	7.7	3	3	86	89	821344	806822	<0.2	<0.2	2.2	2.3
						1.0	0.4	271	29.1		2.9		15.4		81.0		5.7		7.7		4		87				<0.2		2.0	
					Middle	4.0	0.4	263	29.0	29.0	3.0	3.0	16.4	16.4	78.2	78.2	5.5		7.7		4		89				<0.2		2.2	
						4.0	0.4	268	29.0		3.1		16.4		78.2		5.5		7.7		3		90				<0.2		2.3	
					Bottom	7.0	0.2	196	28.5	28.5	12.0	12.0	22.2	22.2	72.3	72.5	5.0	5.0	7.7		3		91				<0.2		2.5	
						7.0	0.2	202	28.5		12.0		22.2		72.6		5.0		7.7		3		91				<0.2		2.4	
IM8	Cloudy	Moderate	11:37	7.6	Surface	1.0	0.0	125	29.3	29.3	7.8	7.8	15.1	15.1	88.6	88.5	6.2	5.9	5.4	9.4	3	4	86	89	821827	808116	<0.2	<0.2	1.5	1.9
						1.0	0.0	132	29.3		7.8		15.1		88.4		6.2		5.7		3		88				<0.2		1.7	
					Middle	3.8	0.0	103	29.0	29.0	7.8	7.8	21.6	21.5	80.4	80.4	5.5		8.1		4		88				<0.2		2.2	
						3.8	0.0	106	29.0		7.9		21.5		80.4		5.5		8.5		5		89				<0.2		2.1	
					Bottom	6.6	0.1	211	29.0	29.1	7.9	7.9	23.7	23.6	81.1	81.3	5.5	5.5	14.3		5		90				<0.2		1.8	
						6.6	0.1	227	29.1		7.9		23.6		81.4		5.5		14.4		5		90				<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 10 September 20 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	11:43	6.8	Surface	1.0	0.1	319	29.1	29.1	7.9	7.9	15.5	15.5	88.4	88.1	6.2	5.8	5.7	8.4	5	4	87	88	822078	808793	<0.2	<0.2	1.7	2.0
						1.0	0.1	349	29.0		7.9		15.5		87.7		6.2		6.3		4		86				<0.2		1.7	
					Middle	3.4	0.1	282	28.8	28.8	7.9	7.9	22.1	22.0	78.7	78.7	5.4		8.3		3		88				<0.2		2.2	
						3.4	0.1	298	28.8		7.9		21.9		78.6		5.4		8.6		4		88				<0.2		2.2	
					Bottom	5.8	0.2	228	28.8	28.8	7.9	7.9	24.9	24.8	78.3	78.4	5.3	5.3	10.8		4		90				<0.2		2.2	
						5.8	0.2	234	28.8		7.9		24.8		78.5		5.3		10.9		3		90				<0.2		2.2	
IM10	Cloudy	Moderate	11:51	7.2	Surface	1.0	0.2	41	29.3	29.3	7.9	7.9	16.2	16.2	90.1	90.1	6.3	6.1	5.0	8.9	3	3	86	88	822376	809816	<0.2	<0.2	2.0	1.7
						1.0	0.2	41	29.2		7.9		16.2		90.1		6.3		5.1		3		87				<0.2		2.0	
					Middle	3.6	0.3	352	28.4	28.4	8.0	8.0	21.0	20.9	83.7	83.4	5.8		9.1		3		88				<0.2		1.7	
						3.6	0.4	324	28.4		8.0		20.9		83.1		5.8		9.7		4		89				<0.2		1.6	
					Bottom	6.2	0.4	316	28.1	28.1	8.0	7.9	26.9	26.9	73.7	73.9	5.0	5.0	12.2		3		90				<0.2		1.4	
						6.2	0.4	327	28.1		7.9		26.9		74.0		5.0		12.2		4		90				<0.2		1.3	
IM11	Cloudy	Moderate	12:01	8.3	Surface	1.0	0.2	345	29.1	29.1	8.0	8.0	21.1	21.1	86.2	86.3	5.9	5.5	3.7	7.5	5	4	86	88	822069	811446	<0.2	<0.2	1.6	1.6
						1.0	0.2	357	29.1		8.0		21.1		86.3		5.9		3.7		4		86				<0.2		1.8	
					Middle	4.2	0.4	310	28.0	28.0	8.1	8.1	26.9	26.9	74.1	74.3	5.0		9.8		3		88				<0.2		1.9	
						4.2	0.5	340	27.9		8.1		26.9		74.4		5.0		9.4		4		89				<0.2		1.8	
					Bottom	7.3	0.3	312	27.6	27.6	8.0	8.0	28.8	28.8	73.8	74.0	5.0	5.0	9.3		3		90				<0.2		1.2	
						7.3	0.3	335	27.6		8.0		28.8		74.1		5.0		9.3		4		90				<0.2		1.4	
IM12	Cloudy	Moderate	12:08	9.2	Surface	1.0	0.3	315	29.1	29.0	7.9	7.9	20.8	20.8	88.0	88.0	6.0	5.8	3.7	5.8	4	4	85	88	821478	812067	<0.2	<0.2	0.9	1.5
						1.0	0.3	329	28.9		7.9		20.9		88.0		6.1		4.2		3		86				<0.2		1.0	
					Middle	4.6	0.5	292	28.1	28.1	8.0	8.0	26.5	26.5	80.9	80.9	5.5		4.9		3		88				<0.2		1.6	
						4.6	0.5	293	28.0		8.0		26.5		80.9		5.5		4.9		4		89				<0.2		1.5	
					Bottom	8.2	0.2	276	27.6	27.6	7.9	7.9	28.6	28.6	71.5	71.7	4.8	4.8	8.5		3		90				<0.2		1.9	
						8.2	0.3	299	27.6		7.9		28.6		71.8		4.8		8.9		4		90				<0.2		2.0	
SR1A	Cloudy	Moderate	12:37	4.9	Surface	1.0	-	-	28.8	28.8	8.1	8.1	20.7	20.6	92.7	92.7	6.4	6.4	3.7	4.1	4	3	-	-	819978	812665	-	-	-	-
						1.0	-	-	28.8		8.1		20.6		92.7		6.4		3.8		3		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.6	28.6	8.0	8.0	24.3	24.3	84.9	85.2	5.8	5.8	4.4		3		-				-		-	
						3.9	-	-	28.6		8.0		24.3		85.4		5.8		4.5		3		-				-		-	
SR2	Cloudy	Moderate	12:49	4.0	Surface	1.0	0.0	109	29.0	29.0	8.2	8.2	22.6	22.5	89.0	88.8	6.0	6.0	5.7	6.4	3	3	88	89	821450	814177	<0.2	<0.2	1.8	1.9
						1.0	0.0	118	29.0		8.2		22.5		88.6		6.0		5.8		3		87				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	346	28.0	28.1	8.2	8.2	27.5	27.5	80.2	80.4	5.4	5.4	7.1		3		90				<0.2		1.8	
						3.0	0.0	318	28.1		8.2		27.5		80.6		5.4		7.1		4		91				<0.2		1.9	
SR3	Cloudy	Moderate	11:31	8.7	Surface	1.0	0.1	284	29.5	29.5	7.8	7.8	16.5	16.5	86.9	86.9	6.1	5.8	5.1	7.4	4	4	-	-	822152	807587	-	-	-	-
						1.0	0.2	292	29.5		7.8		16.4		86.9		6.1		5.3		4		-				-		-	
					Middle	4.4	0.1	255	29.0	29.0	7.8	7.8	20.1	20.1	79.3	79.1	5.5		10.1		4		-				-		-	
						4.4	0.1	273	28.9		7.8		20.2		78.9		5.4		10.7		4		-				-		-	
					Bottom	7.7	0.2	210	28.8	28.8	7.9	7.9	24.0	24.0	79.3	79.5	5.4	5.4	7.1		4		-				-		-	
						7.7	0.2	213	28.8		7.9		24.0		79.6		5.4		6.3		4		-				-		-	
SR4A	Cloudy	Calm	12:53	8.9	Surface	1.0	0.2	50	28.6	28.6	3.8	3.8	18.0	18.0	89.1	89.1	6.2	6.1	7.8	7.8	6	4	-	-	817178	807786	-	-	-	-
						1.0	0.3	52	28.6		3.8		18.0		89.0		6.2		7.8		4		-				-		-	
					Middle	4.5	0.0	257	28.5	28.5	4.9	4.9	20.5	20.5	85.3	85.2	5.9		7.8		4		-				-		-	
						4.5	0.0	272	28.5		4.9		20.5		85.1		5.9		7.8		4		-				-		-	
					Bottom	7.9	0.0	343	28.2	28.2	5.7	5.6	25.3	25.3	77.9	78.0	5.3	5.3	7.8		4		-				-		-	
						7.9	0.0	354	28.2		5.6		25.3		78.1		5.3		7.8		4		-				-		-	
SR5A	Cloudy	Calm	13:09	3.7	Surface	1.0	0.0	334	28.3	28.3	5.1	5.1	25.0	25.1	79.5	79.4	5.4	5.4	7.7	7.8	5	4	-	-	816574	810698	-	-	-	-
						1.0	0.0	346	28.3		5.1		25.1		79.3		5.4		7.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.0	354	28.2	28.2	7.7	7.7	25.2	25.2	79.5	79.7	5.4	5.4	7.8		4		-				-		-	
						2.7	0.0	326	28.2		7.6		25.2		79.9		5.4		7.8		3		-				-		-	
SR6A	Cloudy	Calm	13:47	4.7	Surface	1.0	0.0	100	28.6	28.6	1.6	1.6	22.7	22.7	86.5	86.5	5.9	5.9	7.7	7.7	2	4	-	-	817984	814718	-	-	-	-
						1.0	0.0	107	28.6		1.6		22.7		86.4		5.9		7.7		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	178	28.2	28.2	4.2	4.4	24.8	24.7	77.0	77.2	5.2	5.3	7.7		5		-				-		-	
						3.7	0.0	188	28.2		4.6		24.7		77.3		5.3		7.8		5		-				-		-	
SR7	Cloudy	Moderate	13:46	16.5	Surface	1.0	0.1	224	27.3	27.3	7.9	7.9	29.3	29.3	77.2	77.1	5.2	5.0	3.3	4.6	3	4	-	-	823627	823744	-	-	-	-
						1.0	0.1	227	27.2		7.9		29.4		77.0		5.2		3.3		4		-				-		-	
					Middle	8.3	0.1	233	26.8	26.8	8.0	8.0	30.2	30.3	71.3	71.2	4.8		4.0		4		-				-		-	
						8.3	0.1	237	26.8		8.0		30.4		71.0		4.8		4.0		3		-				-		-	
					Bottom	15.5	0.1	269	26.5	26.5	8.0	8.0	31.1	31.1	71.2	71.3	4.8	4.8	6.4		4		-				-		-	
						15.5	0.1	285	26.5		8.0		31.0		71.4		4.8		6.7		4		-				-		-	
SR8	Cloudy	Moderate	12:18	4.5	Surface	1.0	-	-	29.2	29.2	7.9	7.9	20.9	20.8	93.3	93.6	6.4	6.5	6.7	10.0	4	5	-	-	820373	811642	-	-	-	-
						1.0	-	-	29.1		7.9		20.8		93.9		6.5		7.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	28.4	28.4	7.8	7.8	25.5	25.4	81.9	82.2	5.5	5.6	13.0		4		-				-		-	
						3.5	-	-	28.4		7.8		25.4		82.5		5.6		12.9		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	08:18	8.2	Surface	1.0	0.3	179	28.7	28.7	8.2	8.2	15.6	15.6	102.1	102.1	7.2	6.9	1.7	3.9	3	3	85	88	815613	804226	<0.2	<0.2	0.3	0.5
						1.0	0.3	188	28.7		8.2		15.6		102.0		7.2		1.7		2		86				<0.2		0.4	
					Middle	4.1	0.4	200	28.9	28.9	8.1	8.1	17.3	17.3	93.0	93.0	6.5		1.6		4		88				<0.2		0.6	
						4.1	0.4	202	28.9		8.1		17.3		92.9		6.5		1.6		3		88				<0.2		0.5	
					Bottom	7.2	0.4	234	26.6	26.7	7.9	7.9	29.4	29.4	56.6	56.9	3.9	3.9	8.3		4		91				<0.2		0.5	
						7.2	0.4	247	26.7		7.9		29.4		57.1		3.9		8.7		3		92				<0.2		0.5	
C2	Rainy	Moderate	09:38	11.5	Surface	1.0	0.2	150	29.8	29.8	8.1	8.1	14.9	14.9	91.9	91.9	6.4	5.4	3.3	4.1	4	4	86	88	825660	806946	<0.2	<0.2	0.4	0.5
						1.0	0.2	150	29.8		8.1		14.9		91.8		6.4		3.3		3		86				<0.2		0.5	
					Middle	5.8	0.2	142	27.5	27.5	7.9	7.9	28.1	28.1	63.2	63.1	4.3		3.7		4		88				<0.2		0.5	
						5.8	0.3	149	27.4		7.9		28.1		62.9		4.3		4.0		4		89				<0.2		0.6	
					Bottom	10.5	0.1	44	27.1	27.1	7.9	7.9	29.9	29.8	58.9	59.1	4.0	4.0	5.4		6		90				<0.2		0.5	
						10.5	0.1	47	27.1		7.9		29.8		59.2		4.0		5.1		5		90				<0.2		0.5	
C3	Rainy	Moderate	07:24	11.7	Surface	1.0	0.4	286	29.1	29.1	8.0	8.0	21.5	21.5	83.8	83.7	5.7	5.4	1.3	1.9	4	4	86	88	822132	817805	<0.2	<0.2	0.3	0.4
						1.0	0.4	300	29.1		8.0		21.5		83.6		5.7		1.4		4		86				<0.2		0.3	
					Middle	5.9	0.2	257	28.7	28.7	8.0	8.0	23.9	23.9	74.7	74.7	5.1		2.1		4		88				<0.2		0.5	
						5.9	0.2	272	28.7		8.0		23.9		74.6		5.1		2.1		5		88				<0.2		0.4	
					Bottom	10.7	0.1	120	27.1	27.1	8.0	8.0	29.8	29.7	66.1	66.3	4.5	4.5	2.4		4		90				<0.2		0.5	
						10.7	0.1	130	27.1		8.0		29.7		66.4		4.5		2.4		3		91				<0.2		0.4	
IM1	Cloudy	Moderate	08:41	5.0	Surface	1.0	0.1	25	28.9	28.9	8.1	8.1	16.1	16.1	102.5	102.2	7.2	7.2	2.1	5.8	4	4	87	89	817969	807144	<0.2	<0.2	0.3	0.7
						1.0	0.1	26	28.9		8.1		16.1		101.9		7.2		2.3		3		88				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	211	26.9	26.9	8.0	8.0	28.7	28.7	55.5	56.0	3.8	3.8	9.3		3		90				<0.2		0.8	
						4.0	0.0	212	26.9		8.0		28.7		56.4		3.8		9.4		4		90				<0.2		1.0	
IM2	Fine	Moderate	08:49	6.7	Surface	1.0	0.1	172	28.2	28.2	8.1	8.1	19.9	20.0	85.1	83.2	5.9	5.2	2.8	5.7	3	3	85	88	818177	806156	<0.2	<0.2	0.6	0.6
						1.0	0.1	185	28.2		8.1		20.0		81.2		5.7		2.9		2		85				<0.2		0.6	
					Middle	3.4	0.0	113	27.6	27.6	8.0	8.0	24.5	24.5	66.0	65.6	4.5		3.4		4		88				<0.2		0.4	
						3.4	0.0	115	27.5		8.0		24.6		65.2		4.5		3.4		3		88				<0.2		0.4	
					Bottom	5.7	0.1	184	26.5	26.5	7.9	7.9	29.8	29.8	50.7	50.8	3.5	3.5	10.8		4		90				<0.2		0.8	
						5.7	0.1	194	26.5		7.9		29.8		50.9		3.5		10.7		3		90				<0.2		0.7	
IM3	Fine	Moderate	08:56	6.9	Surface	1.0	0.1	193	28.5	28.5	8.2	8.2	18.1	18.1	90.5	90.5	6.4	5.1	3.0	5.2	3	3	84	87	818761	805589	<0.2	<0.2	0.6	0.6
						1.0	0.1	202	28.5		8.2		18.0		90.5		6.4		2.9		2		84				<0.2		0.5	
					Middle	3.5	0.1	232	27.3	27.3	8.0	8.0	26.9	26.9	56.2	56.2	3.8		3.4		2		87				<0.2		0.7	
						3.5	0.1	250	27.3		8.0		26.9		56.1		3.8		3.4		3		88				<0.2		0.7	
					Bottom	5.9	0.1	161	26.6	26.6	7.9	7.9	29.8	29.8	50.8	50.8	3.5	3.5	9.2		3		90				<0.2		0.5	
						5.9	0.2	176	26.6		7.9		29.8		50.8		3.5		9.2		4		91				<0.2		0.7	
IM4	Fine	Moderate	09:06	8.0	Surface	1.0	0.8	197	29.0	29.0	8.2	8.2	14.7	14.7	93.5	93.4	6.6	5.2	1.9	6.2	5	5	84	88	819715	804604	<0.2	<0.2	0.8	0.5
						1.0	0.9	208	29.0		8.2		14.7		93.3		6.6		1.9		6		85				<0.2		0.6	
					Middle	4.0	0.4	189	27.4	27.4	8.0	8.0	26.6	26.6	54.5	54.6	3.7		6.8		4		87				<0.2		0.4	
						4.0	0.4	206	27.4		8.0		26.6		54.6		3.7		6.8		4		88				<0.2		0.3	
					Bottom	7.0	0.2	162	26.7	26.7	8.0	8.0	29.2	29.2	50.3	50.4	3.4	3.4	9.9		4		90				<0.2		0.5	
						7.0	0.2	165	26.7		8.0		29.2		50.4		3.4		9.9		4		91				<0.2		0.4	
IM5	Fine	Moderate	09:18	7.3	Surface	1.0	0.6	228	29.1	29.1	8.2	8.2	14.9	14.9	97.5	97.5	6.9	6.7	1.9	3.8	2	2	84	87	820719	804885	<0.2	<0.2	0.6	0.5
						1.0	0.6	238	29.1		8.2		14.9		97.4		6.9		1.9		2		84				<0.2		0.6	
					Middle	3.7	0.6	232	28.6	28.6	8.1	8.1	16.8	16.8	91.7	91.3	6.5		1.9		2		87				<0.2		0.6	
						3.7	0.6	253	28.6		8.1		16.9		90.9		6.4		2.0		2		87				<0.2		0.6	
					Bottom	6.3	0.5	200	27.5	27.5	7.9	7.9	26.5	26.5	58.5	58.7	4.0	4.0	7.7		3		90				<0.2		0.3	
						6.3	0.5	200	27.5		7.9		26.5		58.8		4.0		7.5		3		90				<0.2		0.4	
IM6	Fine	Moderate	09:27	6.8	Surface	1.0	0.4	240	29.1	29.1	8.2	8.2	14.8	14.8	95.8	95.7	6.8	5.8	1.9	3.7	2	3	85	88	821040	805826	<0.2	<0.2	0.5	0.6
						1.0	0.4	261	29.1		8.2		14.8		95.5		6.8		1.9		3		85				<0.2		0.6	
					Middle	3.4	0.4	238	28.1	28.1	8.0	8.0	23.5	23.5	69.8	69.9	4.8		2.7		3		88				<0.2		0.5	
						3.4	0.4	244	28.1		8.0		23.5		70.0		4.8		2.9		3		87				<0.2		0.4	
					Bottom	5.8	0.4	226	27.4	27.4	7.9	7.9	26.8	26.8	60.5	60.6	4.1	4.1	6.4		3		90				<0.2		0.7	
						5.8	0.4	232	27.4		7.9		26.8		60.6		4.1		6.5		3		90				<0.2		0.6	
IM7	Fine	Moderate	09:37	8.1	Surface	1.0	0.3	251	28.8	28.8	8.2	8.2	16.2	16.2	93.7	93.5	6.6	5.8	1.9	4.2	3	2	85	88	821347	806821	<0.2	<0.2	0.3	0.8
						1.0	0.3	269	28.8		8.2		16.2		93.3		6.6		1.9		2		85				<0.2		0.5	
					Middle	4.1	0.4	264	28.2	28.2	8.0	8.0	21.5	21.5	72.9	72.8	5.1		2.2		2		88				<0.2		0.9	
						4.1	0.4	277	28.1		8.0		21.5		72.6		5.0		2.4		3		88				<0.2		1.0	
					Bottom	7.1	0.3	233	27.1	27.1	7.9	7.9	28.1	28.1	54.1	54.2	3.7	3.7	8.5		2		90				<0.2		1.0	
						7.1	0.3	249	27.1		7.9		28.0		54.3		3.7		8.7		2		90				<0.2		0.9	
IM8	Rainy	Moderate	09:06	7.7	Surface	1.0	0.1	203	29.2	29.2	8.1	8.1	16.0	16.0	90.5	90.3	6.4	5.6	2.4	3.3	3	2	86	88	821821	808154	<0.2	<0.2	0.9	0.9
						1.0	0.1	211	29.2		8.1		16.0		90.1		6.3		2.5		2		86				<0.2		0.9	
					Middle	3.9	0.1	293	28.4	28.4	7.9	7.9	22.5	22.4	71.7	71.4	4.9		3.4		<2		88				<0.2		1.0	
						3.9	0.1	310	28.3		7.9		22.4		71.1		4.9		3.6		<2		88				<0.2		0.8	
					Bottom	6.7	0.1	217	28.1	28.2	7.9	7.9	26.8	26.8	60.6	60.8	4.1	4.1	4.0		<2		90				<0.2		0.8	
						6.7	0.2	217	28.2		7.9		26.8		60.9		4.1		4.1		<2		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**
Note: The flood tide monitoring session on 12 September 2020 was cancelled due to thunderstorm warning.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 September 20 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Rainy	Moderate	08:57	7.6	Surface	1.0	0.5	114	29.6	29.6	8.1	8.1	16.5	16.5	95.2	95.2	6.6	6.5	2.1	2.5	2	3	86	88	822084	808826	<0.2	<0.2	1.2	1.3
						1.0	0.5	122	29.6		8.1		16.5		95.2		6.6		2.1		3		87				<0.2		1.3	
					Middle	3.8	0.3	82	29.5	29.5	8.1	8.1	18.0	18.0	91.0	90.9	6.3		1.9		4		88				<0.2		1.2	
						3.8	0.3	86	29.5		8.1		18.0		90.8		6.3		1.9		3		88				<0.2		1.2	
					Bottom	6.6	0.2	116	28.9	29.0	7.9	7.9	22.7	22.6	77.7	78.0	5.3	5.3	3.5		4		90				<0.2		1.5	
						6.6	0.2	121	29.0		7.9		22.5		78.2		5.3		3.5		4		90				<0.2		1.6	
IM10	Rainy	Moderate	08:47	8.1	Surface	1.0	0.5	98	29.4	29.4	8.1	8.1	15.6	15.6	92.1	92.0	6.5	5.9	1.9	8.0	4	4	87	88	822400	809791	<0.2	<0.2	1.4	1.0
						1.0	0.6	100	29.4		8.1		15.6		91.8		6.4		1.8		4		86				<0.2		1.3	
					Middle	4.1	0.5	95	28.4	28.4	8.0	8.0	20.7	20.7	77.8	76.9	5.4		9.0		4		88				<0.2		0.6	
						4.1	0.5	96	28.3		8.0		20.8		75.9		5.3		9.7		3		87				<0.2		0.7	
					Bottom	7.1	0.3	92	28.1	28.1	7.9	7.9	26.7	26.7	62.9	63.5	4.2	4.3	12.7		3		90				<0.2		1.0	
						7.1	0.3	93	28.1		7.9		26.7		64.0		4.3		12.7		3		90				<0.2		0.9	
IM11	Rainy	Moderate	08:33	7.2	Surface	1.0	0.7	98	29.2	29.2	8.1	8.1	17.1	17.1	87.7	87.5	6.1	5.6	2.3	4.6	3	3	86	88	822046	811451	<0.2	<0.2	0.7	0.9
						1.0	0.7	99	29.2		8.1		17.1		87.3		6.1		2.3		2		87				<0.2		0.8	
					Middle	3.6	0.6	92	28.6	28.6	7.9	7.9	22.2	22.3	74.6	74.3	5.1		3.8		3		88				<0.2		1.1	
						3.6	0.6	101	28.5		7.9		22.4		73.9		5.1		4.1		3		88				<0.2		1.0	
					Bottom	6.2	0.2	97	27.9	27.9	7.9	7.9	27.4	27.4	63.1	63.3	4.3	4.3	7.5		4		90				<0.2		0.8	
						6.2	0.2	100	27.9		7.9		27.4		63.4		4.3		7.6		4		90				<0.2		1.0	
IM12	Rainy	Moderate	08:25	8.8	Surface	1.0	0.5	131	29.3	29.3	8.1	8.1	17.7	17.6	90.4	90.3	6.3	5.6	1.9	4.6	<2	2	86	88	821470	812022	<0.2	<0.2	0.5	0.9
						1.0	0.5	143	29.3		8.1		17.6		90.1		6.3		1.9		<2		87				<0.2		0.4	
					Middle	4.4	0.5	111	28.4	28.4	7.9	7.9	23.0	22.9	70.5	70.3	4.8		4.3		<2		88				<0.2		0.7	
						4.4	0.5	113	28.3		7.9		22.9		70.1		4.8		4.8		<2		88				<0.2		0.6	
					Bottom	7.8	0.3	118	27.9	27.9	7.9	7.9	27.2	27.2	59.5	59.7	4.0	4.0	7.3		2		90				<0.2		1.5	
						7.8	0.3	128	27.9		7.9		27.2		59.9		4.0		7.4		2		90				<0.2		1.6	
SR1A	Rainy	Moderate	08:03	5.3	Surface	1.0	-	-	29.2	29.2	8.0	8.0	21.0	21.0	82.6	82.5	5.6	5.6	1.6	2.2	<2	2	-	-	819973	812658	-	-	-	-
						1.0	-	-	29.2		8.0		21.0		82.4		5.6		1.7		<2		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	28.9	28.9	7.9	7.9	24.1	24.1	67.2	69.4	4.5	4.7	2.7		3		-				-		-	
						4.3	-	-	28.8		7.9		24.2		71.6		4.8		2.8		2		-				-		-	
SR2	Rainy	Moderate	07:50	5.0	Surface	1.0	0.3	97	29.1	29.1	8.0	8.0	19.0	19.0	86.5	85.7	6.0	6.0	2.7	3.3	2	2	88	89	821458	814157	<0.2	<0.2	1.6	1.3
						1.0	0.4	102	29.0		8.0		19.1		84.9		5.9		2.9		3		88				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	88	29.0	29.0	7.9	7.9	22.6	22.6	80.5	80.6	5.5	5.5	3.7		2		90				<0.2		1.0	
						4.0	0.2	88	29.0		7.9		22.6		80.6		5.5		3.8		2		90				<0.2		1.0	
SR3	Rainy	Moderate	09:13	8.9	Surface	1.0	0.3	155	29.4	29.4	8.1	8.1	16.9	16.9	90.8	90.7	6.3	6.0	1.8	4.2	<2	<2	-	-	822142	807594	-	-	-	-
						1.0	0.3	155	29.4		8.1		16.9		90.5		6.3		1.8		<2		-				-		-	
					Middle	4.5	0.1	149	29.2	29.2	8.0	7.9	20.0	20.0	81.7	81.5	5.6		1.7		<2		-				-		-	
						4.5	0.1	149	29.2		7.9		20.1		81.2		5.6		1.8		<2		-				-		-	
					Bottom	7.9	0.2	161	27.7	27.8	7.9	7.9	28.9	28.9	53.3	53.6	3.6	3.6	8.6		<2		-				-		-	
						7.9	0.2	162	27.9		7.9		28.8		53.8		3.6		9.3		<2		-				-		-	
SR4A	Rainy	Calm	07:57	9.3	Surface	1.0	0.0	229	28.7	28.7	8.1	8.1	17.0	17.0	91.8	91.7	6.5	5.1	2.3	5.0	2	2	-	-	817190	807832	-	-	-	-
						1.0	0.0	246	28.7		8.1		17.0		91.5		6.4		2.3		2		-				-		-	
					Middle	4.7	0.1	264	27.1	27.1	8.0	8.0	27.8	27.7	53.6	53.6	3.7		5.7		2		-				-		-	
						4.7	0.1	279	27.1		8.0		27.7		53.6		3.7		5.7		2		-				-		-	
					Bottom	8.3	0.0	84	26.7	26.7	8.0	8.0	29.1	29.1	50.9	51.0	3.5	3.5	7.2		3		-				-		-	
						8.3	0.0	90	26.7		8.0		29.1		51.0		3.5		7.2		3		-				-		-	
SR5A	Rainy	Calm	07:38	3.5	Surface	1.0	0.1	182	29.0	29.0	8.1	8.1	19.7	19.7	86.6	86.5	6.0	6.0	2.9	4.1	5	4	-	-	816596	810703	-	-	-	-
						1.0	0.1	183	29.0		8.1		19.7		86.4		6.0		2.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	196	29.0	29.0	8.0	8.0	22.7	22.7	74.4	74.5	5.1	5.1	5.3		3		-				-		-	
						2.5	0.1	205	28.9		8.0		22.7		74.6		5.1		5.5		2		-				-		-	
SR6A	Cloudy	Calm	07:07	4.2	Surface	1.0	0.1	26	28.7	28.7	8.1	8.1	22.6	22.6	74.5	74.6	5.1	5.1	6.8	8.7	2	3	-	-	817978	814723	-	-	-	-
						1.0	0.1	28	28.7		8.1		22.6		74.6		5.1		6.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	341	28.3	28.3	8.1	8.1	23.4	23.4	64.2	64.4	4.4	4.4	10.6		2		-				-		-	
						3.2	0.0	314	28.3		8.1		23.4		64.5		4.4		10.7		3		-				-		-	
SR7	Fine	Moderate	06:45	16.5	Surface	1.0	0.6	61	29.4	29.4	8.0	8.0	21.2	21.3	87.7	87.6	6.0	5.5	1.2	2.0	3	4	-	-	823616	823739	-	-	-	-
						1.0	0.7	61	29.3		8.0		21.3		87.5		6.0		1.2		3		-				-		-	
					Middle	8.3	0.2	14	28.5	28.5	8.0	8.0	25.0	25.0	74.3	74.0	5.0		1.9		4		-				-		-	
						8.3	0.2	15	28.5		8.1		25.0		73.6		5.0		2.0		4		-				-		-	
					Bottom	15.5	0.2	55	26.1	26.1	8.1	8.1	32.5	32.5	62.0	62.1	4.2	4.2	2.8		6		-				-		-	
						15.5	0.2	55	26.1		8.1		32.5		62.1		4.2		2.9		6		-				-		-	
SR8	Rainy	Moderate	08:14	4.2	Surface	1.0	-	-	29.3	29.4	8.0	8.0	19.4	19.4	89.9	89.9	6.2	6.2	2.1	3.5	4	3	-	-	820387	811610	-	-	-	-
						1.0	-	-	29.4		8.0		19.4		89.9		6.2		2.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	29.4	29.4	8.0	8.0	19.9	19.9	89.1	89.1	6.1	6.1	4.6		2		-				-		-	
						3.2	-	-	29.3		8.0		19.9		89.0		6.1		4.8		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**
Note: The flood tide monitoring session on 12 September 2020 was cancelled due to thunderstorm warning.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 September 20 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Rainy	Rough	10:43	8.9	Surface	1.0	0.4	222	27.8	27.8	8.0	8.0	26.4	26.5	95.5	95.1	6.5	5.9	2.4	4.0	4	5	87	89	815617	804254	<0.2	<0.2	1.0	0.9
						1.0	0.4	224	27.7		8.0		26.5		94.7		6.4		2.7		5		87				<0.2		0.9	
					Middle	4.5	0.4	211	27.5	27.5	7.8	7.8	27.5	27.5	78.9	78.9	5.3		4.4		5		89				<0.2		0.9	
						4.5	0.4	221	27.5		7.8		27.5		78.9		5.3		4.4		5		89				<0.2		0.9	
					Bottom	7.9	0.4	211	27.4	27.4	7.8	7.8	27.7	27.7	75.3	75.5	5.1	5.1	5.0		6		91				<0.2		0.9	
						7.9	0.4	219	27.4		7.8		27.7		75.7		5.1		5.0		5		91				<0.2		0.9	
C2	Rainy	Moderate	09:40	11.5	Surface	1.0	0.4	155	28.3	28.3	8.1	8.1	25.9	26.0	80.7	80.7	5.4	5.2	4.1	6.6	6	7	86	88	825703	806961	<0.2	<0.2	1.1	1.0
						1.0	0.4	161	28.3		8.1		26.0		80.6		5.4		4.3		5		85				<0.2		1.0	
					Middle	5.8	0.3	137	28.2	28.2	8.1	8.1	26.6	26.6	74.8	74.7	5.0		5.1		7		88				<0.2		1.1	
						5.8	0.4	147	28.2		8.1		26.6		74.6		5.0		5.1		6		87				<0.2		0.9	
					Bottom	10.5	0.3	136	27.8	27.8	8.1	8.1	28.1	28.1	67.6	68.0	4.5	4.6	10.6		8		90				<0.2		1.0	
						10.5	0.3	147	27.8		8.1		28.1		68.3		4.6		10.7		7		90				<0.2		1.0	
C3	Rainy	Moderate	11:26	12.7	Surface	1.0	0.5	103	27.8	27.8	8.1	8.1	28.2	28.2	74.4	74.2	5.0	4.9	5.5	10.1	5	7	87	88	822110	817782	<0.2	<0.2	1.0	1.0
						1.0	0.5	104	27.8		8.1		28.2		74.0		5.0		5.6		6		86				<0.2		1.0	
					Middle	6.4	0.4	76	27.5	27.5	8.0	8.0	29.0	29.1	72.4	72.3	4.9		10.2		7		89				<0.2		1.1	
						6.4	0.4	81	27.5		8.0		29.2		72.1		4.8		11.3		8		88				<0.2		1.0	
					Bottom	11.7	0.4	48	27.2	27.2	8.0	8.0	30.1	30.1	64.6	64.7	4.3	4.3	14.0		8		90				<0.2		1.0	
						11.7	0.4	48	27.2		8.0		30.1		64.7		4.3		14.0		7		90				<0.2		1.0	
IM1	Rainy	Moderate	10:24	5.2	Surface	1.0	0.3	175	27.8	27.8	7.8	7.8	26.7	26.8	86.7	86.7	5.9	5.9	2.8	3.7	6	6	86	88	817930	807123	<0.2	<0.2	0.9	0.9
						1.0	0.3	180	27.8		7.8		26.8		86.6		5.9		2.9		7		85				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	211	27.8	27.8	7.8	7.8	27.0	27.0	80.4	80.5	5.4	5.5	4.8		6		90				<0.2		0.9	
						4.2	0.2	226	27.8		7.8		27.0		80.6		5.5		4.6		5		90				<0.2		0.9	
IM2	Rainy	Rough	10:17	7.4	Surface	1.0	0.3	160	27.8	27.8	7.9	7.9	26.4	26.4	90.1	90.0	6.1	5.8	2.3	3.5	6	6	86	88	818161	806164	<0.2	<0.2	0.8	0.8
						1.0	0.3	174	27.7		7.9		26.4		89.9		6.1		2.4		7		85				<0.2		0.8	
					Middle	3.7	0.2	152	27.7	27.7	7.8	7.8	26.8	26.9	81.5	81.2	5.5		2.7		5		88				<0.2		0.8	
						3.7	0.2	165	27.6		7.8		26.9		80.9		5.5		2.6		6		87				<0.2		0.8	
					Bottom	6.4	0.1	167	27.6	27.6	7.7	7.7	27.8	27.8	68.4	68.5	4.6	4.6	5.3		5		90				<0.2		0.9	
						6.4	0.2	175	27.6		7.7		27.8		68.6		4.6		5.6		5		90				<0.2		0.7	
IM3	Rainy	Rough	10:11	7.7	Surface	1.0	0.3	148	27.9	27.9	8.0	8.0	26.2	26.3	97.6	97.4	6.6	6.3	1.6	3.2	8	8	86	89	818788	805571	<0.2	<0.2	0.7	0.8
						1.0	0.3	152	27.9		8.0		26.3		97.2		6.6		1.6		9		87				<0.2		0.7	
					Middle	3.9	0.2	137	27.8	27.8	7.9	7.9	26.7	26.7	89.3	89.2	6.1		2.7		8		89				<0.2		0.7	
						3.9	0.2	142	27.8		7.9		26.7		89.0		6.0		2.7		9		90				<0.2		0.8	
					Bottom	6.7	0.2	143	27.6	27.6	7.8	7.8	27.3	27.3	75.9	76.1	5.1	5.2	5.1		6		90				<0.2		0.8	
						6.7	0.2	148	27.6		7.8		27.3		76.2		5.2		5.2		6		91				<0.2		0.8	
IM4	Rainy	Rough	10:03	8.9	Surface	1.0	0.4	182	27.7	27.7	7.8	7.8	26.3	26.3	83.0	82.9	5.6	5.6	3.4	5.1	4	7	87	90	819723	804595	<0.2	<0.2	0.8	0.8
						1.0	0.5	191	27.7		7.8		26.3		82.7		5.6		3.6		5		87				<0.2		0.8	
					Middle	4.5	0.4	172	27.7	27.7	7.8	7.8	26.7	26.7	80.8	80.7	5.5		5.3		8		91				<0.2		0.8	
						4.5	0.4	175	27.6		7.8		26.7		80.6		5.5		5.4		6		91				<0.2		0.9	
					Bottom	7.9	0.3	172	27.6	27.6	7.8	7.8	26.9	26.9	80.8	80.9	5.5	5.5	6.5		9		92				<0.2		0.7	
						7.9	0.4	174	27.6		7.8		26.9		81.0		5.5		6.6		10		92				<0.2		0.8	
IM5	Rainy	Rough	09:55	8.3	Surface	1.0	0.3	184	27.8	27.8	7.9	7.9	25.9	25.9	91.9	91.8	6.3	6.0	1.8	4.3	4	5	85	88	820746	804880	<0.2	<0.2	0.7	0.8
						1.0	0.3	188	27.8		7.9		25.9		91.6		6.2		1.9		4		86				<0.2		0.8	
					Middle	4.2	0.2	196	27.7	27.7	7.9	7.9	26.5	26.5	83.9	83.8	5.7		3.8		5		89				<0.2		0.8	
						4.2	0.3	202	27.7		7.9		26.5		83.7		5.7		3.9		6		89				<0.2		0.7	
					Bottom	7.3	0.2	201	27.5	27.5	7.8	7.8	27.1	27.1	77.0	77.2	5.2	5.3	7.3		6		90				<0.2		0.8	
						7.3	0.2	204	27.5		7.8		27.1		77.3		5.3		7.3		6		90				<0.2		0.8	
IM6	Fine	Rough	09:48	8.1	Surface	1.0	0.3	226	27.7	27.7	7.8	7.8	26.4	26.4	80.6	80.6	5.5	5.3	3.5	5.2	6	7	86	89	821066	805829	<0.2	<0.2	0.8	0.8
						1.0	0.3	238	27.7		7.8		26.4		80.5		5.5		3.6		5		87				<0.2		0.8	
					Middle	4.1	0.2	232	27.7	27.7	7.8	7.8	27.0	27.0	73.7	73.6	5.0		5.8		8		89				<0.2		0.7	
						4.1	0.2	246	27.7		7.8		27.0		73.4		5.0		5.8		7		88				<0.2		0.8	
					Bottom	7.1	0.3	240	27.7	27.7	7.8	7.7	27.2	27.2	73.8	74.0	5.0	5.0	6.3		9		90				<0.2		0.8	
						7.1	0.3	252	27.7		7.7		27.2		74.1		5.0		6.2		8		91				<0.2		0.9	
IM7	Fine	Moderate	09:41	9.1	Surface	1.0	0.1	160	27.7	27.7	7.8	7.8	26.6	26.6	80.1	80.0	5.4	5.3	3.6	5.3	6	6	86	88	821361	806838	<0.2	<0.2	0.9	0.8
						1.0	0.1	171	27.7		7.8		26.6		79.9		5.4		3.8		7		87				<0.2		0.8	
					Middle	4.6	0.2	138	27.7	27.7	7.7	7.7	27.0	27.0	77.6	77.5	5.3		5.5		7		88				<0.2		0.9	
						4.6	0.2	143	27.7		7.7		27.0		77.4		5.2		5.7		6		88				<0.2		0.7	
					Bottom	8.1	0.1	169	27.7	27.7	7.7	7.7	27.2	27.2	72.8	72.8	4.9	4.9	6.6		6		90				<0.2		0.8	
						8.1	0.1	175	27.7		7.7		27.2		72.8		4.9		6.6		5		90				<0.2		0.8	
IM8	Rainy	Moderate	10:04	8.0	Surface	1.0	0.2	98	28.3	28.3	8.1	8.1	26.7	26.7	80.7	80.7	5.4	5.4	5.4	8.8	6	5	86	88	821850	808156	<0.2	<0.2	1.1	1.0
						1.0	0.2	104	28.3		8.1		26.8		80.6		5.4		5.5		6		85				<0.2		1.0	
					Middle	4.0	0.3	77	28.2	28.2	8.1	8.1	27.1	27.1	79.3	79.3	5.3		8.4		6		88				<0.2		1.0	
						4.0	0.3	78	28.2		8.1		27.2		79.2		5.3		9.2		5		87				<0.2		1.0	
					Bottom	7.0	0.3	62	28.2	28.2	8.1	8.1	27.4	27.4	80.6	80.8	5.4	5.4	11.5		4		89				<0.2		0.9	
						7.0	0.3	64	28.2		8.1		27.4		80.9		5.4		12.9		5		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 15 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	10:11	8.2	Surface	1.0	0.4	90	28.3	28.3	8.1	8.1	26.6	26.6	78.2	78.3	5.3	5.3	4.7	8.8	5	5	87	88	822114	808797	<0.2	<0.2	1.0	1.0
						1.0	0.4	90	28.3		8.1		26.6		78.3		5.3		5.1		6		86				<0.2		0.9	
					Middle	4.1	0.3	69	28.2	28.2	8.1	8.1	27.2	27.2	78.7	78.8	5.3		9.2		5		88				<0.2		1.0	
						4.1	0.3	71	28.2		8.1		27.2		78.8		5.3		9.7		5		88				<0.2		1.0	
					Bottom	7.2	0.3	51	28.2	28.2	8.1	8.1	27.3	27.3	79.7	79.8	5.3	5.4	11.9		4		90				<0.2		0.9	
						7.2	0.3	53	28.2		8.1		27.3		79.8		5.4		12.1		5		90				<0.2		1.0	
IM10	Rainy	Moderate	10:18	7.7	Surface	1.0	0.5	88	28.2	28.2	8.1	8.1	26.5	26.6	81.4	81.2	5.5	5.2	4.8	8.8	7	5	86	88	822395	809807	<0.2	<0.2	1.1	1.1
						1.0	0.6	89	28.2		8.1		26.7		81.0		5.4		5.4		6		86				<0.2		1.0	
					Middle	3.9	0.5	89	28.1	28.1	8.1	8.1	27.4	27.4	73.0	73.0	4.9		8.8		4		88				<0.2		1.0	
						3.9	0.5	90	28.1		8.1		27.4		73.0		4.9		8.9		5		88				<0.2		1.0	
					Bottom	6.7	0.4	82	28.1	28.1	8.1	8.1	27.4	27.4	74.3	74.4	5.0	5.0	12.2		4		90				<0.2		1.1	
						6.7	0.4	88	28.1		8.1		27.4		74.5		5.0		12.4		5		90				<0.2		1.2	
IM11	Rainy	Moderate	10:28	8.1	Surface	1.0	0.7	134	28.2	28.2	8.1	8.1	26.5	26.6	80.2	80.1	5.4	5.3	7.9	11.6	5	4	86	88	822056	811458	<0.2	<0.2	1.0	1.0
						1.0	0.7	142	28.2		8.1		26.6		79.9		5.4		8.7		4		86				<0.2		1.1	
					Middle	4.1	0.6	134	28.2	28.2	8.1	8.1	27.0	27.0	75.4	75.4	5.1		14.1		4		88				<0.2		0.9	
						4.1	0.7	138	28.2		8.1		27.0		75.4		5.1		14.0		5		87				<0.2		0.9	
					Bottom	7.1	0.5	129	28.2	28.2	8.1	8.1	27.1	27.1	76.2	76.3	5.1	5.1	12.3		4		90				<0.2		1.0	
						7.1	0.6	134	28.2		8.1		27.1		76.4		5.1		12.7		4		90				<0.2		1.0	
IM12	Rainy	Moderate	10:34	9.0	Surface	1.0	0.7	109	28.2	28.2	8.1	8.1	26.6	26.7	80.1	79.8	5.4	5.2	11.3	14.8	3	4	86	88	821461	812043	<0.2	<0.2	1.1	1.0
						1.0	0.7	113	28.2		8.1		26.7		79.4		5.3		12.4		4		86				<0.2		1.1	
					Middle	4.5	0.5	95	28.1	28.1	8.1	8.1	27.3	27.4	74.0	73.9	5.0		16.9		3		89				<0.2		1.0	
						4.5	0.5	100	28.1		8.1		27.4		73.8		5.0		17.0		4		88				<0.2		0.9	
					Bottom	8.0	0.2	66	27.8	27.8	8.1	8.1	28.5	28.5	72.2	72.4	4.8	4.9	15.2		5		90				<0.2		0.9	
						8.0	0.2	66	27.8		8.1		28.5		72.5		4.9		15.6		6		90				<0.2		1.0	
SR1A	Rainy	Moderate	10:53	5.1	Surface	1.0	-	-	28.1	28.1	8.1	8.1	27.3	27.3	78.9	78.8	5.3	5.3	5.0	5.7	7	8	-	-	819983	812659	-	-	-	-
						1.0	-	-	28.1		8.1		27.4		78.7		5.3		4.9		7		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	27.9	27.9	8.1	8.1	27.9	27.9	78.8	79.1	5.3	5.3	6.4		9		-				-		-	
						4.1	-	-	27.8		8.1		27.9		79.3		5.3		6.6		10		-				-		-	
SR2	Rainy	Moderate	11:05	4.7	Surface	1.0	0.4	71	28.1	28.1	8.1	8.1	27.0	27.1	77.1	77.1	5.2	5.2	4.9	5.9	6	5	88	89	821456	814185	<0.2	<0.2	1.1	1.0
						1.0	0.4	71	28.1		8.1		27.1		77.0		5.2		5.1		6		87				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	47	27.8	27.8	8.1	8.1	27.7	27.8	78.3	78.5	5.3	5.3	6.7		5		90				<0.2		1.1	
						3.7	0.3	51	27.8		8.1		27.8		78.7		5.3		6.8		4		90				<0.2		1.0	
SR3	Rainy	Moderate	09:59	8.6	Surface	1.0	0.1	194	28.3	28.3	8.1	8.1	26.1	26.2	81.6	81.6	5.5	5.5	3.8	6.5	2	3	-	-	822130	807576	-	-	-	-
						1.0	0.1	204	28.3		8.1		26.2		81.5		5.5		4.0		2		-				-		-	
					Middle	4.3	0.1	25	28.2	28.2	8.1	8.1	27.0	27.0	81.5	81.6	5.5		7.2		4		-				-		-	
						4.3	0.1	26	28.2		8.1		27.0		81.6		5.5		7.6		3		-				-		-	
					Bottom	7.6	0.2	33	28.2	28.2	8.1	8.1	27.1	27.1	82.3	82.4	5.5	5.5	8.2		4		-				-		-	
						7.6	0.2	34	28.2		8.1		27.1		82.5		5.5		8.1		5		-				-		-	
SR4A	Rainy	Moderate	11:07	9.2	Surface	1.0	0.1	71	27.8	27.8	7.8	7.8	26.6	26.6	85.1	85.0	5.8	5.5	3.4	5.8	3	4	-	-	817190	807807	-	-	-	-
						1.0	0.2	73	27.8		7.8		26.7		84.9		5.8		3.6		3		-				-		-	
					Middle	4.6	0.1	60	27.7	27.7	7.8	7.8	27.2	27.2	76.5	76.5	5.2		6.2		3		-				-		-	
						4.6	0.1	62	27.6		7.8		27.2		76.4		5.2		6.4		4		-				-		-	
					Bottom	8.2	0.0	223	27.5	27.5	7.8	7.7	27.5	27.5	71.2	71.4	4.8	4.8	7.7		4		-				-		-	
						8.2	0.0	227	27.5		7.7		27.5		71.5		4.8		7.8		4		-				-		-	
SR5A	Rainy	Moderate	11:24	3.4	Surface	1.0	0.1	331	27.9	27.9	7.8	7.8	26.6	26.6	85.4	83.5	5.8	5.7	8.0	9.6	4	4	-	-	816602	810673	-	-	-	-
						1.0	0.1	342	27.8		7.8		26.6		81.6		5.5		8.5		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.1	323	27.8	27.8	7.7	7.7	26.6	26.6	81.0	81.0	5.5	5.5	11.1		5		-				-		-	
						2.4	0.1	325	27.8		7.7		26.6		81.0		5.5		11.0		5		-				-		-	
SR6A	Rainy	Moderate	12:02	4.2	Surface	1.0	0.1	64	27.8	27.8	7.7	7.7	25.7	25.8	77.7	77.7	5.3	5.3	8.7	9.0	3	3	-	-	817948	814734	-	-	-	-
						1.0	0.1	67	27.7		7.7		25.9		77.6		5.3		8.7		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	264	27.5	27.5	7.6	7.6	27.1	27.1	72.9	73.4	5.0	5.0	9.3		3		-				-		-	
						3.2	0.1	290	27.5		7.6		27.1		73.8		5.0		9.4		4		-				-		-	
SR7	Rainy	Moderate	11:53	16.5	Surface	1.0	0.8	69	28.0	28.0	8.1	8.1	27.7	27.8	83.8	83.7	5.6	5.3	2.8	2.7	6	6	-	-	823628	823761	-	-	-	-
						1.0	0.8	75	27.9		8.1		27.8		83.6		5.6		2.7		6		-				-		-	
					Middle	8.3	0.6	43	27.5	27.5	8.1	8.1	29.2	29.3	74.0	73.9	5.0		2.7		6		-				-		-	
						8.3	0.7	43	27.5		8.1		29.4		73.8		5.0		2.8		5		-				-		-	
					Bottom	15.5	0.4	15	27.4	27.5	8.1	8.1	29.5	29.5	74.3	74.4	5.0	5.0	2.7		5		-				-		-	
						15.5	0.4	15	27.5		8.1		29.4		74.5		5.0		2.7		5		-				-		-	
SR8	Rainy	Moderate	10:44	5.5	Surface	1.0	-	-	28.2	28.2	8.1	8.1	27.2	27.2	78.5	78.6	5.3	5.3	10.7	11.6	7	6	-	-	820400	811626	-	-	-	-
						1.0	-	-	28.2		8.1		27.2		78.7		5.3		10.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	28.2	28.2	8.1	8.1	27.2	27.3	81.7	81.9	5.5	5.5	12.4		4		-				-		-	
						4.5	-	-	28.1		8.1		27.3		82.1		5.5		12.4		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	04:11	8.1	Surface	1.0	0.3	59	27.9	27.9	8.0	8.0	25.8	25.8	96.6	96.6	6.6	5.8	1.2	3.9	3	4	87	90	815635	804251	<0.2	<0.2	0.9	0.9
						1.0	0.3	62	27.9		8.0		25.8		96.6		6.6		1.3		4		88				<0.2		0.8	
					Middle	4.1	0.3	33	27.4	27.4	7.8	7.8	27.7	27.7	74.3	74.1	5.0		4.6		4		90				<0.2		0.9	
						4.1	0.3	34	27.4		7.8		27.8		73.9		5.0		4.8		5		90				<0.2		1.0	
					Bottom	7.1	0.2	21	27.3	27.3	7.8	7.8	28.1	28.1	73.1	73.2	5.0	5.0	5.7		4		91				<0.2		1.0	
						7.1	0.3	21	27.3		7.8		28.1		73.2		5.0		5.7		5		92				<0.2		0.8	
C2	Rainy	Moderate	05:57	11.3	Surface	1.0	0.4	165	28.4	28.4	8.1	8.1	25.4	25.5	78.2	78.1	5.3	5.2	5.1	8.2	5	4	86	88	825671	806964	<0.2	<0.2	0.9	0.8
						1.0	0.5	174	28.4		8.1		25.6		77.9		5.3		5.5		5		87				<0.2		0.9	
					Middle	5.7	0.1	331	28.2	28.2	8.1	8.1	26.9	26.9	76.5	76.5	5.1		9.0		5		88				<0.2		0.8	
						5.7	0.1	342	28.2		8.1		26.9		76.5		5.1		9.4		4		89				<0.2		0.8	
					Bottom	10.3	0.3	328	28.2	28.2	8.1	8.1	27.0	27.0	77.3	77.4	5.2	5.2	10.3		3		90				<0.2		0.8	
						10.3	0.3	328	28.2		8.1		27.0		77.4		5.2		10.1		4		90				<0.2		0.8	
C3	Rainy	Moderate	04:10	12.6	Surface	1.0	0.2	250	27.8	27.8	8.1	8.1	28.0	28.2	80.5	80.3	5.4	5.0	2.4	5.0	3	4	86	88	822114	817784	<0.2	<0.2	0.8	0.8
						1.0	0.2	250	27.7		8.1		28.3		80.1		5.4		2.4		3		85				<0.2		0.8	
					Middle	6.3	0.5	284	27.1	27.1	8.1	8.1	30.2	30.3	67.9	67.8	4.6		4.9		4		88				<0.2		0.9	
						6.3	0.5	292	27.1		8.1		30.3		67.6		4.5		5.0		3		89				<0.2		0.8	
					Bottom	11.6	0.4	298	26.9	26.9	8.1	8.1	30.8	30.8	66.7	66.9	4.5	4.5	7.9		4		90				<0.2		0.8	
						11.6	0.4	311	26.9		8.1		30.8		67.1		4.5		7.7		4		90				<0.2		0.8	
IM1	Rainy	Moderate	04:30	5.0	Surface	1.0	0.2	321	27.8	27.8	7.9	7.9	26.1	26.1	93.2	93.2	6.3	6.3	1.6	2.1	4	5	90	91	817937	807154	<0.2	<0.2	1.0	1.0
						1.0	0.2	351	27.8		7.9		26.1		93.2		6.3		1.7		5		90				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	260	27.7	27.7	7.8	7.8	26.3	26.3	89.3	89.5	6.1	6.1	2.6		6		91				<0.2		1.1	
						4.0	0.1	279	27.7		7.8		26.3		89.6		6.1		2.5		6		91				<0.2		0.9	
IM2	Rainy	Moderate	04:40	6.8	Surface	1.0	0.6	342	27.8	27.8	7.9	7.9	26.2	26.2	91.6	91.7	6.2	6.1	1.9	3.1	5	4	87	89	818141	806167	<0.2	<0.2	0.9	1.0
						1.0	0.6	351	27.8		7.9		26.2		91.7		6.2		2.0		4		86				<0.2		1.0	
					Middle	3.4	0.4	321	27.7	27.7	7.9	7.9	26.5	26.5	86.7	86.6	5.9		3.4		4		90				<0.2		0.9	
						3.4	0.4	352	27.6		7.9		26.6		86.4		5.9		3.7		3		90				<0.2		1.0	
					Bottom	5.8	0.2	275	27.6	27.6	7.9	7.9	26.8	26.7	80.0	80.4	5.4	5.5	3.8		3		91				<0.2		0.9	
						5.8	0.2	302	27.6		7.9		26.7		80.7		5.5		3.5		4		92				<0.2		1.0	
IM3	Rainy	Moderate	04:46	7.1	Surface	1.0	0.6	317	27.9	27.9	8.0	8.0	26.1	26.1	94.5	94.5	6.4	6.2	1.9	4.1	3	2	87	89	818792	805590	<0.2	<0.2	0.8	0.8
						1.0	0.6	328	27.8		8.0		26.1		94.5		6.4		2.0		2		87				<0.2		0.8	
					Middle	3.6	0.4	300	27.7	27.7	7.8	7.8	26.6	26.6	86.7	86.6	5.9		4.4		3		90				<0.2		0.8	
						3.6	0.4	313	27.7		7.8		26.6		86.4		5.9		4.6		2		90				<0.2		0.8	
					Bottom	6.1	0.2	294	27.6	27.6	7.8	7.8	26.8	26.8	79.0	79.1	5.4	5.4	5.9		<2		91				<0.2		0.9	
						6.1	0.2	321	27.6		7.9		26.8		79.2		5.4		5.6		<2		91				<0.2		0.8	
IM4	Rainy	Moderate	04:55	8.0	Surface	1.0	0.5	324	27.8	27.8	7.9	7.9	26.2	26.2	92.2	92.1	6.3	6.0	2.0	4.9	4	4	85	88	819718	804594	<0.2	<0.2	0.8	0.8
						1.0	0.6	349	27.8		7.9		26.2		92.0		6.3		2.3		3		87				<0.2		0.8	
					Middle	4.0	0.5	326	27.6	27.6	7.8	7.8	26.8	26.8	82.0	82.0	5.6		6.1		3		88				<0.2		0.8	
						4.0	0.5	349	27.6		7.8		26.8		81.9		5.6		6.0		4		87				<0.2		0.9	
					Bottom	7.0	0.3	346	27.6	27.6	7.9	7.9	26.9	26.9	79.2	79.3	5.4	5.4	6.6		4		90				<0.2		0.8	
						7.0	0.3	318	27.6		7.9		26.9		79.4		5.4		6.6		4		90				<0.2		0.8	
IM5	Rainy	Moderate	05:04	7.3	Surface	1.0	0.4	331	27.8	27.8	7.9	7.9	26.2	26.2	92.7	92.6	6.3	6.0	2.1	4.8	2	2	86	88	820756	804868	<0.2	<0.2	1.0	0.9
						1.0	0.4	355	27.8		7.9		26.2		92.5		6.3		2.3		2		86				<0.2		0.9	
					Middle	3.7	0.5	351	27.6	27.6	7.8	7.8	26.7	26.7	83.2	82.9	5.7		5.2		2		88				<0.2		0.8	
						3.7	0.5	323	27.6		7.8		26.8		82.6		5.6		5.5		2		89				<0.2		0.9	
					Bottom	6.3	0.2	28	27.6	27.6	7.9	7.9	26.9	26.9	79.0	79.1	5.4	5.4	6.9		3		90				<0.2		0.9	
						6.3	0.3	29	27.6		7.9		26.9		79.1		5.4		6.9		3		90				<0.2		0.8	
IM6	Rainy	Moderate	05:12	7.3	Surface	1.0	0.4	282	27.7	27.7	7.8	7.8	26.7	26.7	78.9	78.7	5.4	5.3	5.4	6.1	4	3	86	89	821053	805829	<0.2	<0.2	0.9	0.9
						1.0	0.4	296	27.7		7.8		26.7		78.5		5.3		5.5		3		87				<0.2		0.9	
					Middle	3.7	0.1	336	27.7	27.7	7.8	7.8	26.9	26.9	77.1	77.1	5.2		6.4		2		89				<0.2		0.9	
						3.7	0.1	340	27.7		7.8		26.9		77.0		5.2		6.4		3		90				<0.2		1.0	
					Bottom	6.3	0.1	57	27.7	27.7	7.8	7.7	27.1	27.1	75.6	75.5	5.1	5.1	6.5		2		91				<0.2		0.9	
						6.3	0.1	60	27.7		7.7		27.1		75.4		5.1		6.5		2		91				<0.2		0.9	
IM7	Rainy	Moderate	05:19	8.5	Surface	1.0	0.4	243	27.7	27.7	7.8	7.8	26.7	26.7	81.1	81.0	5.5	5.3	5.2	6.2	4	4	86	89	821364	806853	<0.2	<0.2	1.0	0.9
						1.0	0.4	250	27.7		7.8		26.7		80.8		5.5		5.4		2		87				<0.2		0.9	
					Middle	4.3	0.4	251	27.7	27.7	7.8	7.8	27.0	27.0	75.6	75.5	5.1		6.5		3		89				<0.2		0.9	
						4.3	0.4	255	27.7		7.8		27.0		75.4		5.1		6.5		4		90				<0.2		1.0	
					Bottom	7.5	0.2	188	27.7	27.7	7.8	7.8	27.1	27.1	74.8	74.8	5.1	5.1	6.8		4		90				<0.2		0.9	
						7.5	0.2	200	27.7		7.8		27.1		74.8		5.1		6.8		6		91				<0.2		0.9	
IM8	Rainy	Moderate	05:32	8.4	Surface	1.0	0.0	123	28.3	28.3	8.1	8.1	26.7	26.7	79.9	79.8	5.4	5.4	6.0	10.8	4	4	86	88	821810	808127	<0.2	<0.2	1.1	1.1
						1.0	0.0	133	28.3		8.1		26.7		79.7		5.4		6.1		5		85				<0.2		1.0	
					Middle	4.2	0.0	106	28.2	28.2	8.1	8.1	27.0	27.0	78.6	78.5	5.3		11.1		4		89				<0.2		1.1	
						4.2	0.0	115	28.2		8.1		27.0		78.4		5.3		11.5		4		87				<0.2		1.1	
					Bottom	7.4	0.1	204	28.2	28.2	8.1	8.1	27.5	27.5	77.1	77.2	5.2	5.2	14.8		3		90				<0.2		1.1	
						7.4	0.1	206	28.2		8.1		27.5		77.2		5.2		15.1		4		90				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	05:27	8.1	Surface	1.0	0.1	314	28.4	28.4	8.1	8.1	26.2	26.2	79.5	79.4	5.3	5.3	4.0	6.9	2	2	86	88	822080	808805	<0.2	<0.2	1.1	1.1
						1.0	0.1	338	28.4		8.1		26.3		79.3		5.3		4.3		3		86				<0.2		1.1	
					Middle	4.1	0.1	272	28.3	28.3	8.1	8.1	27.0	27.0	78.6	78.7	5.3		7.0		2		88				<0.2		1.1	
						4.1	0.2	272	28.3		8.1		27.0		78.8		5.3		7.1		2		87				<0.2		1.2	
					Bottom	7.1	0.2	221	28.3	28.3	8.1	8.1	27.3	27.3	81.3	81.5	5.4	5.5	9.6		2		90				<0.2		1.1	
						7.1	0.2	226	28.2		8.1		27.3		81.7		5.5		9.3		3		90				<0.2		1.1	
IM10	Rainy	Moderate	05:20	7.7	Surface	1.0	0.2	48	28.4	28.4	8.0	8.0	26.6	26.6	73.7	73.7	5.0	4.9	5.2	7.7	9	7	86	88	822370	809782	<0.2	<0.2	1.0	1.1
						1.0	0.2	52	28.4		8.0		26.6		73.7		4.9		5.2		8		86				<0.2		1.1	
					Middle	3.9	0.3	346	28.2	28.2	8.1	8.1	27.3	27.3	71.4	71.3	4.8		7.8		6		89				<0.2		1.1	
						3.9	0.4	318	28.2		8.1		27.4		71.2		4.8		8.2		7		87				<0.2		1.1	
					Bottom	6.7	0.4	315	27.9	27.9	8.1	8.1	28.2	28.2	70.0	70.0	4.7	4.7	9.8		7		90				<0.2		1.2	
						6.7	0.4	330	27.9		8.1		28.2		70.0		4.7		9.8		6		90				<0.2		1.1	
IM11	Rainy	Moderate	05:10	8.2	Surface	1.0	0.2	352	27.9	27.9	8.1	8.1	27.8	27.9	78.4	78.2	5.3	5.0	3.7	5.4	6	5	85	88	822055	811437	<0.2	<0.2	1.1	1.0
						1.0	0.2	324	27.9		8.1		27.9		77.9		5.2		3.7		6		86				<0.2		1.1	
					Middle	4.1	0.4	312	27.5	27.5	8.1	8.1	29.2	29.3	71.6	71.5	4.8		5.6		6		88				<0.2		0.9	
						4.1	0.5	316	27.4		8.1		29.4		71.3		4.8		6.0		5		88				<0.2		0.8	
					Bottom	7.2	0.3	324	27.4	27.4	8.1	8.1	29.7	29.6	71.3	71.5	4.8	4.8	6.7		4		90				<0.2		0.9	
						7.2	0.3	347	27.4		8.1		29.5		71.6		4.8		6.4		5		90				<0.2		0.9	
IM12	Rainy	Moderate	05:05	8.9	Surface	1.0	0.3	316	27.8	27.8	8.1	8.1	28.3	28.3	77.2	76.8	5.2	5.0	4.9	5.7	6	5	86	88	821472	812030	<0.2	<0.2	0.8	0.9
						1.0	0.3	341	27.8		8.1		28.4		76.4		5.1		5.1		7		86				<0.2		0.9	
					Middle	4.5	0.5	299	27.7	27.7	8.1	8.1	28.8	28.8	73.1	73.1	4.9		5.5		5		88				<0.2		0.9	
						4.5	0.5	325	27.7		8.1		28.8		73.1		4.9		5.6		4		87				<0.2		0.9	
					Bottom	7.9	0.2	264	27.6	27.6	8.1	8.1	29.0	29.0	73.6	73.7	4.9	4.9	6.4		3		90				<0.2		0.9	
						7.9	0.2	288	27.6		8.1		29.0		73.7		4.9		6.4		3		90				<0.2		0.9	
SR1A	Rainy	Moderate	04:46	5.4	Surface	1.0	-	-	28.5	28.5	8.1	8.1	26.2	26.3	85.9	85.9	5.8	5.8	4.2	6.0	2	4	-	-	819982	812655	-	-	-	-
						1.0	-	-	28.5		8.1		26.3		85.8		5.8		4.4		3		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	28.1	28.1	8.0	8.0	27.6	27.7	77.4	77.5	5.2	5.2	7.6		5		-				-		-	
						4.4	-	-	28.0		8.0		27.7		77.6		5.2		7.7		4		-				-		-	
SR2	Rainy	Moderate	04:32	4.6	Surface	1.0	0.4	328	28.0	28.0	8.1	8.1	27.5	27.6	77.9	77.6	5.2	5.2	4.4	5.4	2	3	88	89	821475	814154	<0.2	<0.2	0.9	0.9
						1.0	0.4	338	28.0		8.1		27.6		77.3		5.2		4.6		4		88				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	28	27.8	27.8	8.1	8.1	28.2	28.2	75.9	76.1	5.1	5.1	6.2		4		90				<0.2		1.0	
						3.6	0.1	30	27.8		8.1		28.3		76.2		5.1		6.4		3		90				<0.2		0.9	
SR3	Rainy	Moderate	05:38	8.9	Surface	1.0	0.1	290	28.3	28.3	8.1	8.1	26.3	26.3	81.9	82.0	5.5	5.6	5.2	8.7	3	4	-	-	822151	807579	-	-	-	-
						1.0	0.2	300	28.3		8.1		26.3		82.1		5.5		5.3		3		-				-		-	
					Middle	4.5	0.1	253	28.3	28.3	8.1	8.1	26.7	26.7	83.4	83.5	5.6		9.3		4		-				-		-	
						4.5	0.1	255	28.3		8.1		26.8		83.6		5.6		9.8		3		-				-		-	
					Bottom	7.9	0.2	226	28.2	28.2	8.1	8.1	27.1	27.1	85.6	85.7	5.7	5.8	11.4		4		-				-		-	
						7.9	0.2	248	28.2		8.1		27.1		85.8		5.8		11.2		4		-				-		-	
SR4A	Rainy	Moderate	03:49	8.3	Surface	1.0	0.2	57	27.7	27.7	7.8	7.8	26.9	26.9	79.1	79.1	5.4	5.4	5.3	5.7	5	4	-	-	817200	807828	-	-	-	-
						1.0	0.2	62	27.7		7.8		26.9		79.1		5.4		5.3		5		-				-		-	
					Middle	4.2	0.0	265	27.6	27.6	7.8	7.8	27.0	27.0	78.4	78.4	5.3		5.1		4		-				-		-	
						4.2	0.0	290	27.6		7.8		27.0		78.3		5.3		5.3		3		-				-		-	
					Bottom	7.3	0.0	352	27.6	27.6	7.7	7.7	27.2	27.2	77.6	77.7	5.3	5.3	6.8		<2		-				-		-	
						7.3	0.0	324	27.6		7.7		27.2		77.8		5.3		6.7		<2		-				-		-	
SR5A	Rainy	Moderate	03:30	3.3	Surface	1.0	0.0	326	28.0	28.0	7.8	7.8	25.9	26.0	90.1	90.0	6.1	6.1	4.9	5.2	4	4	-	-	816588	810710	-	-	-	-
						1.0	0.0	336	28.0		7.8		26.0		89.8		6.1		5.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.0	359	28.0	28.0	7.8	7.8	26.1	26.1	89.4	89.5	6.1	6.1	5.4		4		-				-		-	
						2.3	0.0	332	28.0		7.8		26.1		89.5		6.1		5.5		5		-				-		-	
SR6A	Rainy	Moderate	02:55	4.0	Surface	1.0	0.0	104	28.1	28.1	7.7	7.7	25.8	25.8	93.9	93.9	6.4	6.4	4.6	5.5	3	3	-	-	817962	814755	-	-	-	-
						1.0	0.0	113	28.1		7.7		25.8		93.9		6.4		4.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	186	27.9	27.9	7.6	7.6	26.2	26.2	90.4	90.7	6.1	6.2	6.3		3		-				-		-	
						3.0	0.0	188	27.9		7.6		26.2		90.9		6.2		6.3		4		-				-		-	
SR7	Rainy	Moderate	03:40	16.2	Surface	1.0	0.1	273	27.3	27.3	8.1	8.1	29.8	29.8	70.2	70.2	5.0	5.0	4.5	5.0	4	3	-	-	823656	823728	-	-	-	-
						1.0	0.1	291	27.2		8.1		29.8		70.2		5.0		4.6		3		-				-		-	
					Middle	8.1	0.0	173	26.8	26.8	8.1	8.1	31.0	31.0	62.8	62.8	4.9		4.7		3		-				-		-	
						8.1	0.0	183	26.8		8.1		31.0		62.8		4.9		4.8		4		-				-		-	
					Bottom	15.2	0.1	111	26.7	26.7	8.1	8.1	31.4	31.4	63.0	63.3	4.2	4.3	5.9		3		-				-		-	
						15.2	0.1	113	26.7		8.1		31.4		63.5		4.3		5.7		3		-				-		-	
SR8	Rainy	Moderate	04:55	5.0	Surface	1.0	-	-	28.1	28.1	8.1	8.1	27.6	27.6	76.4	76.3	5.1	5.1	7.4	8.4	6	6	-	-	820374	811617	-	-	-	-
						1.0	-	-	28.1		8.1		27.7		76.2		5.1		7.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	28.0	28.0	8.1	8.1	28.1	28.1	76.0	76.1	5.1	5.1	9.3		6		-				-		-	
						4.0	-	-	28.0		8.1		28.1		76.2		5.1		9.3		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	12:11	8.7	Surface	1.0	0.2	54	28.7	28.7	8.1	8.1	26.1	26.1	84.2	84.2	5.6	5.4	3.2	6.3	6	6	87	90	815602	804252	<0.2	<0.2	1.0	0.9
						1.0	0.2	54	28.7		8.1		26.1		84.1		5.6		3.2		7		87				<0.2		1.1	
					Middle	4.4	0.1	55	28.3	28.3	8.2	8.2	28.3	28.3	78.3	78.3	5.2		3.6		7		90				<0.2		0.9	
						4.4	0.1	60	28.3		8.2		28.3		78.3		5.2		3.5		6		91				<0.2		0.9	
					Bottom	7.7	0.1	43	28.2	28.2	8.2	8.2	29.3	29.3	75.8	75.9	5.0	5.0	12.0		6		91				<0.2		0.9	
						7.7	0.1	45	28.1		8.2		29.4		75.9		5.0		12.4		6		91				<0.2		0.8	
C2	Cloudy	Moderate	11:11	13.2	Surface	1.0	0.6	163	28.2	28.2	7.7	7.7	23.6	23.6	78.1	78.1	5.4	5.1	3.2	7.1	6	7	85	88	825703	806958	<0.2	<0.2	1.3	1.3
						1.0	0.6	173	28.2		7.7		23.6		78.0		5.3		3.4		7		85				<0.2		1.2	
					Middle	6.6	0.5	151	27.7	27.7	7.7	7.7	26.2	26.2	72.5	72.5	4.9		7.4		7		88				<0.2		1.2	
						6.6	0.6	156	27.7		7.7		26.2		72.4		4.9		7.5		8		88				<0.2		1.3	
					Bottom	12.2	0.3	134	27.5	27.5	7.7	7.7	27.4	27.4	70.9	71.0	4.8	4.8	10.6		7		90				<0.2		1.2	
						12.2	0.4	146	27.5		7.7		27.4		71.0		4.8		10.4		8		90				<0.2		1.3	
C3	Fine	Moderate	13:02	12.4	Surface	1.0	0.3	121	28.0	28.0	7.7	7.7	26.0	26.0	81.0	81.0	5.5	5.5	3.1	5.0	7	8	84	86	822093	817808	<0.2	<0.2	0.9	0.9
						1.0	0.3	133	28.0		7.7		26.0		80.9		5.5		3.2		6		84				<0.2		0.9	
					Middle	6.2	0.3	107	27.8	27.8	7.7	7.7	26.5	26.5	79.1	79.0	5.4		3.7		8		86				<0.2		0.9	
						6.2	0.3	107	27.8		7.7		26.6		78.9		5.4		3.7		9		86				<0.2		0.9	
					Bottom	11.4	0.3	54	27.4	27.4	7.7	7.7	27.7	27.7	71.4	71.5	4.8	4.9	8.5		8		88				<0.2		1.0	
						11.4	0.3	54	27.4		7.7		27.7		71.6		4.9		8.0		9		88				<0.2		1.0	
IM1	Cloudy	Moderate	11:53	5.3	Surface	1.0	0.9	30	28.4	28.4	8.1	8.1	26.8	26.8	71.7	71.8	4.8	4.8	6.8	10.8	19	20	85	87	817954	807146	<0.2	<0.2	0.9	0.9
						1.0	1.0	32	28.4		8.1		26.8		71.9		4.8		7.2		18		85				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.7	26	28.2	28.2	8.1	8.1	27.7	27.7	69.3	69.5	4.6	4.7	14.3		20		89				<0.2		0.8	
						4.3	0.7	26	28.2		8.1		27.8		69.6		4.7		15.0		21		89				<0.2		0.9	
IM2	Cloudy	Moderate	11:46	7.5	Surface	1.0	0.2	62	28.5	28.5	8.1	8.1	26.5	26.5	75.4	75.4	5.1	4.9	5.0	9.9	10	10	85	88	818176	806145	<0.2	<0.2	1.0	0.9
						1.0	0.2	66	28.5		8.1		26.5		75.3		5.0		5.3		11		85				<0.2		1.0	
					Middle	3.8	0.3	67	28.1	28.1	8.1	8.1	28.3	28.3	70.7	70.8	4.7		11.4		10		89				<0.2		0.9	
						3.8	0.3	71	28.1		8.1		28.3		70.8		4.7		11.6		9		89				<0.2		0.8	
					Bottom	6.5	0.2	55	28.2	28.2	8.1	8.1	28.4	28.4	72.3	72.4	4.8	4.8	12.9		9		90				<0.2		0.9	
						6.5	0.2	60	28.2		8.1		28.4		72.4		4.8		13.3		9		90				<0.2		0.8	
IM3	Cloudy	Moderate	11:39	7.8	Surface	1.0	0.2	298	28.5	28.5	8.1	8.1	26.3	26.3	79.3	79.3	5.3	5.1	3.0	7.5	6	8	87	89	818799	805591	<0.2	<0.2	0.9	0.9
						1.0	0.2	298	28.5		8.1		26.4		79.2		5.3		3.0		7		87				<0.2		1.0	
					Middle	3.9	0.1	283	28.2	28.2	8.1	8.1	27.6	27.6	73.7	73.8	4.9		5.3		7		90				<0.2		1.0	
						3.9	0.1	285	28.2		8.1		27.5		73.9		5.0		5.0		8		90				<0.2		0.9	
					Bottom	6.8	0.1	302	28.1	28.1	8.1	8.1	28.3	28.3	71.6	71.7	4.8	4.8	14.1		9		90				<0.2		0.9	
						6.8	0.1	318	28.1		8.1		28.3		71.8		4.8		14.4		8		91				<0.2		0.9	
IM4	Cloudy	Moderate	11:31	8.7	Surface	1.0	0.1	184	28.5	28.5	8.1	8.1	26.2	26.1	74.2	74.2	5.0	5.0	6.0	8.6	7	9	86	88	819702	804625	<0.2	<0.2	0.9	0.9
						1.0	0.1	187	28.5		8.1		26.1		74.2		5.0		6.0		7		86				<0.2		0.9	
					Middle	4.4	0.1	178	28.3	28.3	8.1	8.1	26.7	26.7	73.7	73.6	5.0		7.2		8		88				<0.2		0.8	
						4.4	0.1	189	28.3		8.1		26.7		73.5		4.9		7.3		9		89				<0.2		1.0	
					Bottom	7.7	0.1	213	28.2	28.2	8.1	8.1	27.9	27.9	72.7	72.8	4.9	4.9	12.6		10		90				<0.2		0.9	
						7.7	0.1	218	28.2		8.1		27.9		72.8		4.9		12.6		10		90				<0.2		0.8	
IM5	Cloudy	Moderate	11:24	8.1	Surface	1.0	0.1	55	28.5	28.5	8.1	8.1	26.1	26.1	75.3	75.2	5.1	5.0	5.8	6.8	4	7	85	88	820729	804846	<0.2	<0.2	1.1	1.0
						1.0	0.1	56	28.5		8.1		26.2		75.0		5.0		5.8		5		85				<0.2		1.1	
					Middle	4.1	0.1	56	28.3	28.3	8.1	8.1	26.8	26.8	73.4	73.4	4.9		5.8		7		89				<0.2		0.9	
						4.1	0.1	60	28.3		8.1		26.8		73.3		4.9		5.8		7		89				<0.2		0.9	
					Bottom	7.1	0.0	47	28.2	28.2	8.1	8.1	27.9	27.9	72.1	72.3	4.8	4.8	8.8		8		90				<0.2		0.9	
						7.1	0.0	50	28.2		8.1		27.9		72.4		4.8		8.8		8		90				<0.2		0.9	
IM6	Cloudy	Moderate	11:16	7.9	Surface	1.0	0.1	345	28.7	28.7	8.1	8.1	24.9	24.9	79.5	79.5	5.4	5.2	4.0	5.5	5	7	85	88	821050	805815	<0.2	<0.2	1.1	1.1
						1.0	0.1	345	28.7		8.1		24.9		79.5		5.4		4.0		6		86				<0.2		1.2	
					Middle	4.0	0.1	356	28.5	28.5	8.1	8.1	26.1	26.1	73.7	73.7	5.0		5.1		8		88				<0.2		1.1	
						4.0	0.1	328	28.4		8.1		26.2		73.7		5.0		5.5		7		88				<0.2		1.2	
					Bottom	6.9	0.0	28	28.3	28.3	8.1	8.1	27.0	27.0	73.8	73.9	5.0	5.0	7.2		9		89				<0.2		1.1	
						6.9	0.0	28	28.3		8.1		27.0		73.9		5.0		7.2		8		89				<0.2		1.1	
IM7	Cloudy	Moderate	11:10	8.6	Surface	1.0	0.1	243	28.6	28.6	8.1	8.1	24.8	24.8	75.4	75.4	5.1	5.0	5.2	8.3	5	6	85	88	821334	806845	<0.2	<0.2	1.2	1.2
						1.0	0.1	258	28.6		8.1		24.8		75.3		5.1		5.3		6		85				<0.2		1.3	
					Middle	4.3	0.1	64	28.4	28.4	8.1	8.1	26.0	26.0	73.4	73.4	4.9		6.1		7		88				<0.2		1.2	
						4.3	0.1	70	28.4		8.1		26.0		73.4		4.9		6.1		6		88				<0.2		1.2	
					Bottom	7.6	0.0	5	28.3	28.3	8.1	8.1	26.9	26.8	71.6	71.7	4.8	4.8	13.8		6		90				<0.2		1.3	
						7.6	0.0	5	28.3		8.1		26.8		71.7		4.8		13.0		8		90				<0.2		1.2	
IM8	Fine	Moderate	11:36	8.3	Surface	1.0	0.1	126	28.2	28.2	7.7	7.7	24.4	24.4	79.0	79.0	5.4	5.2	4.9	8.9	5	6	85	87	821818	808151	<0.2	<0.2	1.3	1.2
						1.0	0.1	137	28.2		7.7		24.5		78.9		5.4		5.3		6		85				<0.2		1.1	
					Middle	4.2	0.2	137	28.0	28.0	7.8	7.8	25.0	25.0	73.9	73.8	5.0		8.7		6		87				<0.2		1.2	
						4.2	0.2	145	28.0		7.8		25.0		73.7		5.0		9.0		5		87				<0.2		1.2	
					Bottom	7.3	0.1	67	27.9	27.9	7.8	7.8	25.9	25.9	72.4	72.5	4.9	4.9	12.8		6		89				<0.2		1.2	
						7.3	0.1	71	27.9		7.8		25.9		72.5		4.9		12.5		6		89				<0.2		1.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	11:45	8.2	Surface	1.0	0.3	110	28.1	28.1	7.8	7.8	25.0	25.0	79.0	79.0	5.4	5.3	4.4	5.9	5	6	85	87	822089	808802	<0.2	<0.2	1.1	1.1
						1.0	0.3	111	28.1		7.8		25.0		78.9		5.4		4.3		6		85				<0.2		1.0	
					Middle	4.1	0.2	102	27.9	27.9	7.7	7.7	25.2	25.2	76.7	76.7	5.2		5.6		5		87				<0.2		1.0	
						4.1	0.2	103	27.9		7.7		25.2		76.6		5.2		5.6		6		87				<0.2		1.0	
					Bottom	7.2	0.2	107	27.8	27.8	7.7	7.7	25.7	25.7	75.8	75.9	5.2	5.2	7.8		8		88				<0.2		1.1	
						7.2	0.2	108	27.8		7.7		25.7		76.0		5.2		8.0		7		88				<0.2		1.2	
IM10	Fine	Moderate	11:53	9.0	Surface	1.0	0.7	112	27.8	27.8	7.8	7.8	25.8	25.8	72.3	72.3	4.9	4.9	10.1	12.6	7	7	85	87	822385	809787	<0.2	<0.2	1.0	1.0
						1.0	0.7	114	27.8		7.8		25.8		72.2		4.9		10.3		6		84				<0.2		0.9	
					Middle	4.5	0.6	106	27.7	27.7	7.7	7.7	26.1	26.1	72.3	72.4	4.9		12.7		6		86				<0.2		0.9	
						4.5	0.6	106	27.7		7.7		26.1		72.4		4.9		12.8		7		87				<0.2		1.0	
					Bottom	8.0	0.5	104	27.7	27.7	7.7	7.7	26.1	26.1	73.8	73.9	5.0	5.0	14.9		7		89				<0.2		1.2	
						8.0	0.5	109	27.7		7.7		26.1		74.0		5.0		15.1		7		89				<0.2		1.0	
IM11	Fine	Moderate	12:03	8.9	Surface	1.0	0.9	127	28.2	28.2	7.8	7.8	24.9	24.9	80.5	80.4	5.5	5.3	3.5	6.2	9	8	84	86	822046	811474	<0.2	<0.2	0.9	1.0
						1.0	1.0	131	28.2		7.8		24.9		80.2		5.5		3.6		9		84				<0.2		1.0	
					Middle	4.5	0.9	119	27.9	27.9	7.8	7.8	25.6	25.7	74.9	74.8	5.1		5.4		8		87				<0.2		1.0	
						4.5	0.9	126	27.8		7.8		25.8		74.6		5.1		5.5		7		86				<0.2		1.0	
					Bottom	7.9	0.6	104	27.6	27.6	7.8	7.8	26.7	26.7	73.8	73.9	5.0	5.0	9.3		6		89				<0.2		1.0	
						7.9	0.6	107	27.6		7.8		26.7		74.0		5.0		9.7		6		88				<0.2		1.0	
IM12	Fine	Moderate	12:09	10.8	Surface	1.0	0.6	105	28.2	28.2	7.8	7.8	25.1	25.1	82.8	82.8	5.6	5.4	3.5	8.4	5	6	85	87	821445	812041	<0.2	<0.2	1.0	1.0
						1.0	0.6	105	28.2		7.8		25.1		82.7		5.6		3.5		5		84				<0.2		1.0	
					Middle	5.4	0.6	112	27.8	27.8	7.7	7.7	25.9	25.9	75.4	75.3	5.1		7.6		5		86				<0.2		1.0	
						5.4	0.6	113	27.8		7.7		26.0		75.2		5.1		7.9		6		87				<0.2		0.9	
					Bottom	9.8	0.4	102	27.7	27.7	7.7	7.7	26.2	26.2	75.7	75.9	5.2	5.2	13.8		6		89				<0.2		1.0	
						9.8	0.4	110	27.7		7.7		26.2		76.0		5.2		13.8		6		89				<0.2		0.8	
SR1A	Fine	Moderate	12:29	5.3	Surface	1.0	-	-	28.2	28.2	7.7	7.7	24.8	24.8	81.7	81.6	5.6	5.6	3.9	4.8	5	5	-	-	819978	812656	-	-	-	-
						1.0	-	-	28.2		7.7		24.8		81.4		5.5		4.0		5		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	28.0	28.0	7.7	7.7	25.7	25.7	78.4	78.5	5.3	5.3	5.7		5		-				-		-	
						4.3	-	-	28.0		7.7		25.8		78.5		5.3		5.6		6		-				-		-	
SR2	Fine	Moderate	12:42	5.0	Surface	1.0	0.6	83	28.3	28.3	7.8	7.8	25.0	25.0	85.2	85.2	5.8	5.8	2.5	6.3	8	7	85	86	821453	814167	<0.2	<0.2	1.0	1.0
						1.0	0.6	89	28.3		7.8		25.0		85.1		5.8		2.6		7		85				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.4	72	27.9	27.9	7.7	7.7	25.8	25.8	79.1	79.2	5.4	5.4	10.2		6		87				<0.2		1.0	
						4.0	0.5	72	27.9		7.7		25.8		79.3		5.4		9.8		6		88				<0.2		1.0	
SR3	Fine	Moderate	11:29	10.1	Surface	1.0	0.0	220	28.2	28.2	7.7	7.7	24.1	24.0	81.2	81.2	5.5	5.3	3.2	6.5	4	4	-	-	822123	807578	-	-	-	-
						1.0	0.0	224	28.2		7.7		24.0		81.1		5.5		3.2		4		-				-		-	
					Middle	5.1	0.0	292	28.0	28.0	7.8	7.8	25.2	25.2	73.5	73.5	5.0		6.4		3		-				-		-	
						5.1	0.0	305	28.0		7.8		25.2		73.4		5.0		6.6		4		-				-		-	
					Bottom	9.1	0.1	88	27.8	27.8	7.8	7.8	26.1	26.1	73.0	73.0	5.0	5.0	9.7		4		-				-		-	
						9.1	0.1	94	27.8		7.8		26.1		73.0		5.0		9.8		3		-				-		-	
SR4A	Cloudy	Calm	12:36	9.0	Surface	1.0	0.4	355	28.5	28.5	8.1	8.1	26.9	26.9	75.1	75.1	5.0	4.8	4.0	7.1	4	5	-	-	817199	807827	-	-	-	-
						1.0	0.4	327	28.5		8.1		26.9		75.1		5.0		4.1		4		-				-		-	
					Middle	4.5	0.3	14	28.2	28.2	8.1	8.1	27.7	27.7	68.8	68.9	4.6		7.9		4		-				-		-	
						4.5	0.3	14	28.2		8.1		27.7		68.9		4.6		8.0		4		-				-		-	
					Bottom	8.0	0.2	40	28.2	28.2	8.1	8.1	27.8	27.8	70.4	70.5	4.7	4.7	9.4		6		-				-		-	
						8.0	0.3	40	28.2		8.1		27.8		70.6		4.7		9.3		6		-				-		-	
SR5A	Cloudy	Calm	12:54	5.2	Surface	1.0	0.4	356	28.7	28.7	8.1	8.1	26.1	26.1	77.7	77.7	5.2	5.2	6.1	7.3	5	5	-	-	816602	810692	-	-	-	-
						1.0	0.4	328	28.7		8.1		26.1		77.6		5.2		6.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	7	28.5	28.5	8.1	8.1	26.4	26.4	77.4	77.6	5.2	5.2	8.1		6		-				-		-	
						4.2	0.3	7	28.5		8.1		26.4		77.8		5.2		8.2		5		-				-		-	
SR6A	Cloudy	Calm	13:23	4.7	Surface	1.0	0.9	337	29.0	29.0	8.1	8.1	25.1	25.1	84.1	84.1	5.6	5.6	7.4	9.1	8	9	-	-	817986	814753	-	-	-	-
						1.0	0.9	341	29.0		8.1		25.1		84.0		5.6		7.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.5	332	28.6	28.6	8.1	8.1	25.7	25.7	78.1	78.2	5.2	5.3	10.7		10		-				-		-	
						3.7	0.6	333	28.6		8.1		25.7		78.3		5.3		10.8		10		-				-		-	
SR7	Fine	Moderate	13:32	15.6	Surface	1.0	0.4	62	27.9	27.9	7.7	7.7	26.3	26.3	84.7	84.7	5.7	5.5	1.6	3.2	4	5	-	-	823636	823745	-	-	-	-
						1.0	0.4	67	27.9		7.7		26.3		84.6		5.7		1.6		5		-				-		-	
					Middle	7.8	0.4	68	27.5	27.5	7.7	7.7	27.2	27.2	77.1	77.1	5.2		3.8		4		-				-		-	
						7.8	0.4	73	27.5		7.7		27.2		77.1		5.2		3.9		5		-				-		-	
					Bottom	14.6	0.3	25	27.5	27.5	7.7	7.7	27.2	27.2	78.5	78.7	5.3	5.4	4.2		5		-				-		-	
						14.6	0.3	25	27.5		7.7		27.2		78.9		5.4		4.2		6		-				-		-	
SR8	Fine	Moderate	12:20	5.1	Surface	1.0	-	-	28.4	28.4	7.8	7.8	24.7	24.7	82.8	82.9	5.6	5.6	5.1	5.7	5	5	-	-	820379	811642	-	-	-	-
						1.0	-	-	28.4		7.8		24.7		82.9		5.6		5.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.4	28.4	7.8	7.8	25.0	25.0	83.2	83.2	5.6	5.6	6.2		5		-				-		-	
						4.1	-	-	28.4		7.8		25.0		83.1		5.6		6.4		5		-				-		-	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	06:49	9.4	Surface	1.0	0.5	203	28.2	28.2	8.1	8.1	27.1	27.2	71.3	71.2	4.8	4.8	6.1	9.9	6	7	84	87	815602	804228	<0.2	<0.2	0.9	0.8
						1.0	0.5	216	28.2		8.1		27.2		71.1		4.8		6.2		6		85				<0.2		0.8	
					Middle	4.7	0.5	180	28.1	28.1	8.1	8.1	28.6	28.6	69.9	70.0	4.7		8.8		8		88				<0.2		0.6	
						4.7	0.5	192	28.1		8.1		28.6		70.0		4.7		8.8		7		88				<0.2		0.7	
					Bottom	8.4	0.3	172	28.1	28.1	8.1	8.1	28.7	28.7	71.3	71.4	4.8	4.8	15.0		9		88				<0.2		0.8	
						8.4	0.3	179	28.1		8.1		28.7		71.4		4.8		14.6		8		88				<0.2		0.7	
C2	Rainy	Moderate	07:51	13.1	Surface	1.0	0.5	3	28.1	28.1	7.7	7.7	22.6	22.6	74.0	74.0	5.1	5.1	4.4	7.1	7	6	85	88	825697	806932	<0.2	<0.2	1.0	1.2
						1.0	0.5	3	28.1		7.7		22.6		73.9		5.1		4.5		6		86				<0.2		1.0	
					Middle	6.6	0.5	357	28.2	28.2	7.7	7.7	24.0	24.0	73.0	73.0	5.0		6.7		5		88				<0.2		1.3	
						6.6	0.6	328	28.2		7.7		24.0		73.0		5.0		6.7		6		88				<0.2		1.3	
					Bottom	12.1	0.6	19	28.0	28.0	7.7	7.6	24.7	24.7	73.8	73.9	5.0	5.0	10.3		5		90				<0.2		1.3	
						12.1	0.6	19	28.0		7.6		24.6		73.9		5.0		10.2		5		90				<0.2		1.3	
C3	Cloudy	Moderate	05:55	12.1	Surface	1.0	0.6	255	27.9	27.9	7.7	7.7	25.4	25.4	78.4	78.4	5.3	5.1	4.7	7.4	5	6	84	86	822094	817799	<0.2	<0.2	1.1	1.1
						1.0	0.6	264	27.9		7.7		25.5		78.4		5.3		4.7		4		83				<0.2		1.0	
					Middle	6.1	0.7	261	27.4	27.4	7.7	7.7	27.5	27.5	71.3	71.2	4.8		7.0		6		86				<0.2		1.0	
						6.1	0.8	277	27.4		7.7		27.5		71.0		4.8		7.9		7		86				<0.2		1.2	
					Bottom	11.1	0.5	263	27.2	27.2	7.7	7.7	28.4	28.4	69.4	69.5	4.7	4.7	10.2		7		88				<0.2		1.0	
						11.1	0.5	288	27.2		7.7		28.4		69.6		4.7		10.1		6		89				<0.2		1.0	
IM1	Rainy	Moderate	07:07	5.7	Surface	1.0	0.2	159	28.7	28.7	8.1	8.1	25.8	25.8	78.1	78.1	5.2	5.2	10.3	11.3	6	7	83	85	817953	807145	<0.2	<0.2	0.8	0.8
						1.0	0.2	163	28.7		8.1		25.8		78.1		5.2		10.5		6		84				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.2	133	28.6	28.6	8.1	8.1	25.9	25.9	81.8	82.0	5.5	5.5	12.1		8		88				<0.2		0.9	
						4.7	0.3	135	28.6		8.1		25.9		82.1		5.5		12.2		7		84				<0.2		0.8	
IM2	Cloudy	Moderate	07:14	7.9	Surface	1.0	0.2	189	28.5	28.5	8.1	8.1	25.8	25.8	75.3	75.3	5.1	4.9	7.5	9.9	6	5	84	87	818155	806183	<0.2	<0.2	0.9	0.9
						1.0	0.2	198	28.5		8.1		25.9		75.2		5.1		7.5		5		87				<0.2		0.8	
					Middle	4.0	0.2	157	28.2	28.2	8.1	8.1	27.1	27.1	68.3	68.3	4.6		10.8		6		88				<0.2		1.0	
						4.0	0.2	170	28.2		8.1		27.1		68.3		4.6		10.9		5		88				<0.2		0.9	
					Bottom	6.9	0.2	149	28.2	28.2	8.1	8.1	27.2	27.2	69.6	69.7	4.7	4.7	11.4		3		89				<0.2		1.0	
						6.9	0.2	157	28.2		8.1		27.2		69.8		4.7		11.5		4		84				<0.2		0.8	
IM3	Cloudy	Moderate	07:20	8.0	Surface	1.0	0.2	207	28.2	28.2	8.1	8.1	26.9	26.9	69.3	69.2	4.7	4.6	13.1	14.2	4	5	85	88	818766	805579	<0.2	<0.2	1.0	1.0
						1.0	0.2	222	28.2		8.1		27.0		69.1		4.6		13.1		4		88				<0.2		1.0	
					Middle	4.0	0.2	219	28.2	28.2	8.1	8.1	27.5	27.5	67.6	67.7	4.5		14.4		5		88				<0.2		1.0	
						4.0	0.2	222	28.2		8.1		27.5		67.7		4.5		14.1		5		89				<0.2		1.0	
					Bottom	7.0	0.1	211	28.1	28.1	8.1	8.1	27.8	27.8	68.7	68.8	4.6	4.6	15.2		6		90				<0.2		1.0	
						7.0	0.1	221	28.1		8.1		27.8		68.9		4.6		15.0		6		85				<0.2		1.0	
IM4	Rainy	Moderate	07:28	8.8	Surface	1.0	0.6	239	28.3	28.3	8.1	8.1	26.1	26.1	73.6	73.6	5.0	4.8	6.0	8.7	7	7	85	87	819712	804598	<0.2	<0.2	0.9	1.0
						1.0	0.6	253	28.3		8.1		26.1		73.5		5.0		6.0		6		88				<0.2		1.0	
					Middle	4.4	0.4	232	28.1	28.1	8.1	8.1	27.9	27.9	68.0	68.0	4.6		9.1		6		88				<0.2		1.1	
						4.4	0.4	249	28.1		8.1		27.9		68.0		4.6		8.9		7		89				<0.2		1.0	
					Bottom	7.8	0.4	222	28.1	28.1	8.1	8.1	28.0	28.0	69.3	69.4	4.6	4.6	11.2		8		89				<0.2		1.0	
						7.8	0.4	223	28.1		8.1		28.0		69.4		4.6		11.0		6		84				<0.2		1.0	
IM5	Rainy	Moderate	07:38	8.3	Surface	1.0	0.4	324	28.5	28.5	8.1	8.1	26.2	26.2	73.1	73.1	4.9	4.8	14.4	15.4	6	6	84	87	820718	804889	<0.2	<0.2	1.0	1.3
						1.0	0.4	344	28.5		8.1		26.2		73.0		4.9		14.3		5		87				<0.2		1.0	
					Middle	4.2	0.5	359	28.3	28.3	8.1	8.1	27.0	27.0	69.0	69.0	4.6		14.2		5		88				<0.2		1.4	
						4.2	0.5	338	28.3		8.1		27.0		69.0		4.6		14.4		6		88				<0.2		1.4	
					Bottom	7.3	0.2	39	28.2	28.2	8.1	8.1	27.1	27.1	69.2	69.3	4.6	4.7	17.5		8		89				<0.2		1.4	
						7.3	0.3	41	28.2		8.1		27.1		69.3		4.7		17.5		7		84				<0.2		1.3	
IM6	Rainy	Moderate	07:45	7.9	Surface	1.0	0.3	280	28.7	28.7	8.0	8.0	24.0	24.0	76.6	76.7	5.2	5.3	5.3	9.1	4	5	84	87	821071	805849	<0.2	<0.2	0.9	1.2
						1.0	0.4	296	28.7		8.0		24.0		76.7		5.2		5.4		5		87				<0.2		1.0	
					Middle	4.0	0.1	325	28.6	28.6	8.1	8.1	25.3	25.3	78.0	78.1	5.3		9.8		5		87				<0.2		1.2	
						4.0	0.1	350	28.6		8.1		25.3		78.1		5.3		9.9		6		87				<0.2		1.4	
					Bottom	6.9	0.1	64	28.5	28.5	8.1	8.1	25.6	25.6	78.6	78.6	5.3	5.3	12.2		6		88				<0.2		1.3	
						6.9	0.1	69	28.5		8.1		25.6		78.5		5.3		12.2		4		88				<0.2		1.2	
IM7	Rainy	Moderate	07:53	8.8	Surface	1.0	0.4	232	28.8	28.8	8.0	8.0	23.9	23.9	75.8	75.8	5.1	5.1	5.9	10.0	5	5	85	87	821340	806853	<0.2	<0.2	1.0	1.2
						1.0	0.4	243	28.8		8.0		23.9		75.8		5.1		6.1		6		86				<0.2		0.9	
					Middle	4.4	0.4	258	28.6	28.6	8.1	8.1	25.2	25.2	75.4	75.4	5.1		8.0		5		87				<0.2		1.3	
						4.4	0.4	268	28.6		8.1		25.2		75.4		5.1		8.1		4		88				<0.2		1.3	
					Bottom	7.8	0.2	190	28.5	28.5	8.1	8.1	26.0	25.9	76.1	76.2	5.1	5.1	16.0		4		89				<0.2		1.4	
						7.8	0.2	190	28.5		8.1		25.9		76.3		5.1		16.1		4		89				<0.2		1.4	
IM8	Rainy	Moderate	07:22	8.7	Surface	1.0	0.2	82	28.3	28.3	7.7	7.7	23.5	23.5	79.0	79.0	5.4	5.3	4.8	9.5	5	5	85	87	821838	808131	<0.2	<0.2	1.1	1.2
						1.0	0.2	83	28.3		7.7		23.5		78.9		5.4		4.8		5		84				<0.2		1.2	
					Middle	4.4	0.2	79	28.2	28.2	7.7	7.7	24.0	24.0	76.7	76.7	5.2		9.4		6		87				<0.2		1.1	
						4.4	0.2	81	28.2		7.7		24.0		76.6		5.2		9.9		5		87				<0.2		1.2	
					Bottom	7.7	0.1	91	28.1	28.1	7.6	7.6	24.1	24.1	77.1	77.3	5.3	5.3	14.3		6		89				<0.2		1.2	
						7.7	0.1	92	28.1		7.6		24.1		77.5		5.3		14.0		5		89				<0.2		1.2	

DA: Depth-Averaged

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

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	07:15	8.0	Surface	1.0	0.4	81	28.2	28.2	7.7	7.7	24.0	24.0	77.4	77.4	5.3	5.3	14.5	16.8	16	16	84	87	822097	808809	<0.2	<0.2	1.1	1.2
						1.0	0.4	83	28.2		7.7		24.0		77.4		5.3		14.6		16		84				<0.2		1.1	
					Middle	4.0	0.4	82	28.2	28.2	7.7	7.7	24.0	24.0	77.3	77.3	5.3		16.0		15		88				<0.2		1.3	
						4.0	0.4	87	28.2		7.7		24.0		77.3		5.3		16.5		16		87				<0.2		1.2	
					Bottom	7.0	0.4	74	28.2	28.2	7.6	7.6	24.0	24.0	77.8	77.9	5.3	5.3	19.8		15		89				<0.2		1.2	
						7.0	0.4	80	28.2		7.6		24.0		77.9		5.3		19.5		15		89				<0.2		1.2	
IM10	Rainy	Moderate	07:07	9.3	Surface	1.0	0.8	307	28.0	28.0	7.8	7.8	24.8	24.8	79.8	79.8	5.4	5.4	10.8	13.6	4	6	84	86	822389	809802	<0.2	<0.2	1.0	1.1
						1.0	0.8	334	28.0		7.8		24.8		79.8		5.4		10.5		5		84				<0.2		1.0	
					Middle	4.7	0.7	310	28.1	28.1	7.8	7.8	25.3	25.3	79.7	79.7	5.4		14.0		6		86				<0.2		1.1	
						4.7	0.7	336	28.1		7.8		25.3		79.7		5.4		13.7		5		87				<0.2		1.1	
					Bottom	8.3	0.6	306	28.1	28.1	7.8	7.8	25.4	25.4	79.7	79.7	5.4	5.4	16.7		7		88				<0.2		1.1	
						8.3	0.6	320	28.1		7.8		25.4		79.7		5.4		15.9		6		89				<0.2		1.2	
IM11	Rainy	Moderate	06:56	9.1	Surface	1.0	0.8	290	27.9	27.9	7.7	7.7	25.3	25.3	76.5	76.5	5.2	5.2	11.8	14.2	4	6	84	87	822042	811458	<0.2	<0.2	1.0	1.1
						1.0	0.9	294	27.9		7.7		25.3		76.4		5.2		12.1		5		84				<0.2		1.0	
					Middle	4.6	0.7	296	27.8	27.8	7.7	7.7	25.6	25.6	75.0	75.1	5.1		13.4		6		87				<0.2		1.0	
						4.6	0.7	315	27.8		7.7		25.6		75.1		5.1		13.1		5		87				<0.2		1.1	
					Bottom	8.1	0.4	294	27.7	27.7	7.7	7.7	25.9	25.9	73.4	73.4	5.0	5.0	17.8		6		89				<0.2		1.0	
						8.1	0.4	321	27.7		7.7		25.9		73.4		5.0		17.3		7		89				<0.2		1.2	
IM12	Rainy	Moderate	06:50	9.6	Surface	1.0	0.9	279	28.0	28.0	7.8	7.8	24.8	24.9	79.0	78.9	5.4	5.3	5.7	10.9	6	6	84	87	821449	812062	<0.2	<0.2	1.0	1.1
						1.0	1.0	298	28.0		7.8		24.9		78.8		5.4		6.2		6		85				<0.2		1.0	
					Middle	4.8	0.7	279	27.9	27.9	7.7	7.7	25.6	25.6	76.5	76.5	5.2		10.2		7		87				<0.2		1.1	
						4.8	0.8	289	27.9		7.7		25.6		76.5		5.2		10.2		6		87				<0.2		1.0	
					Bottom	8.6	0.5	282	27.8	27.8	7.7	7.7	25.8	25.8	75.0	75.0	5.1	5.1	16.5		7		88				<0.2		1.2	
						8.6	0.6	299	27.8		7.7		25.8		75.0		5.1		16.4		6		89				<0.2		1.0	
SR1A	Cloudy	Calm	06:29	5.2	Surface	1.0	-	-	28.1	28.1	7.7	7.7	24.1	24.2	79.3	79.3	5.4	5.4	4.3	4.4	5	7	-	-	819977	812665	-	-	-	-
						1.0	-	-	28.1		7.7		24.2		79.3		5.4		4.3		6		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	28.2	28.2	7.7	7.7	24.8	24.8	79.3	79.4	5.4	5.4	4.4		8		-				-		-	
						4.2	-	-	28.2		7.7		24.8		79.4		5.4		4.4		7		-				-		-	
SR2	Cloudy	Moderate	06:15	4.9	Surface	1.0	0.1	11	27.9	27.9	7.7	7.7	25.4	25.4	76.8	76.8	5.2	5.2	7.1	9.6	6	8	85	86	821463	814185	<0.2	<0.2	1.0	1.1
						1.0	0.1	11	27.9		7.7		25.4		76.8		5.2		7.2		6		84				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	14	27.8	27.8	7.7	7.7	26.0	26.0	76.4	76.5	5.2	5.2	11.8		9		87				<0.2		1.0	
						3.9	0.1	14	27.8		7.7		25.9		76.6		5.2		12.1		10		87				<0.2		1.1	
SR3	Rainy	Moderate	07:30	10.0	Surface	1.0	0.2	64	28.3	28.3	7.7	7.7	23.6	23.6	75.5	75.5	5.2	5.2	6.2	7.3	7	6	-	-	822141	807569	-	-	-	-
						1.0	0.2	68	28.3		7.7		23.6		75.5		5.2		6.2		7		-				-		-	
					Middle	5.0	0.2	76	28.3	28.3	7.7	7.7	23.6	23.6	75.6	75.6	5.2		6.7		6		-				-		-	
						5.0	0.2	82	28.3		7.7		23.6		75.6		5.2		6.7		4		-				-		-	
					Bottom	9.0	0.3	80	28.2	28.2	7.7	7.7	24.0	24.0	75.6	75.8	5.2	5.2	9.2		5		-				-		-	
						9.0	0.3	85	28.2		7.7		24.0		76.0		5.2		8.8		4		-				-		-	
SR4A	Rainy	Calm	06:25	9.7	Surface	1.0	0.5	239	28.7	28.7	8.1	8.1	25.4	25.4	78.8	78.9	5.3	5.3	9.0	10.7	8	9	-	-	817189	807802	-	-	-	-
						1.0	0.5	262	28.7		8.1		25.4		78.9		5.3		9.0		8		-				-		-	
					Middle	4.9	0.4	216	28.7	28.7	8.1	8.1	25.6	25.6	79.3	79.4	5.3		10.4		8		-				-		-	
						4.9	0.4	237	28.7		8.1		25.6		79.5		5.3		10.7		8		-				-		-	
					Bottom	8.7	0.3	214	28.7	28.7	8.1	8.1	25.7	25.7	81.8	81.9	5.5	5.5	12.5		9		-				-		-	
						8.7	0.4	223	28.7		8.1		25.7		82.0		5.5		12.4		10		-				-		-	
SR5A	Cloudy	Calm	06:07	5.3	Surface	1.0	0.4	271	28.7	28.7	8.1	8.1	26.1	26.1	82.4	82.5	5.5	5.5	7.2	7.9	6	7	-	-	816587	810718	-	-	-	-
						1.0	0.4	288	28.7		8.1		26.1		82.5		5.5		7.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	227	28.7	28.7	8.0	8.0	26.2	26.2	85.1	85.2	5.7	5.7	8.5		7		-				-		-	
						4.3	0.2	236	28.6		8.0		26.2		85.3		5.7		8.6		8		-				-		-	
SR6A	Cloudy	Calm	05:40	5.4	Surface	1.0	0.1	229	28.5	28.5	8.1	8.1	25.8	25.8	80.2	80.2	5.4	5.4	4.7	6.1	5	6	-	-	817983	814754	-	-	-	-
						1.0	0.1	238	28.5		8.1		25.8		80.1		5.4		4.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.3	120	28.6	28.6	8.1	8.1	26.7	26.7	77.2	77.2	5.2	5.2	7.6		6		-				-		-	
						4.4	0.3	124	28.6		8.1		26.7		77.1		5.2		7.5		7		-				-		-	
SR7	Cloudy	Moderate	05:28	15.7	Surface	1.0	0.1	328	27.8	27.8	7.7	7.7	25.8	25.8	79.8	79.8	5.4	5.1	3.0	4.3	3	3	-	-	823614	823749	-	-	-	-
						1.0	0.1	348	27.8		7.7		25.8		79.7		5.4		3.1		3		-				-		-	
					Middle	7.9	0.3	91	27.3	27.3	7.7	7.7	27.9	27.9	71.1	71.1	4.8		5.1		3		-				-		-	
						7.9	0.3	96	27.3		7.7		27.9		71.1		4.8		5.1		3		-				-		-	
					Bottom	14.7	0.2	66	27.3	27.3	7.6	7.6	27.8	27.8	71.6	71.6	4.9	4.9	4.7		3		-				-		-	
						14.7	0.2	68	27.3		7.6		27.8		71.6		4.9		4.7		4		-				-		-	
SR8	Cloudy	Moderate	06:40	4.8	Surface	1.0	-	-	28.1	28.1	7.8	7.8	24.4	24.4	79.6	79.7	5.4	5.4	6.9	8.2	9	10	-	-	820367	811615	-	-	-	-
						1.0	-	-	28.1		7.8		24.4		79.7		5.4		7.0		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.0	28.0	7.8	7.8	25.7	25.7	80.4	80.4	5.5	5.5	9.7		10		-				-		-	
						3.8	-	-	28.0		7.8		25.7		80.4		5.5		9.2		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 19 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	13:38	8.7	Surface	1.0	0.4	243	28.3	28.3	8.0	8.0	26.8	26.8	89.3	89.3	6.0	5.9	3.6	8.2	5	6	87	88	815637	804270	<0.2	<0.2	0.8	0.8
						1.0	0.4	255	28.3		8.0		26.9		89.2		6.0		3.7		5		86				<0.2		0.8	
					Middle	4.4	0.4	214	28.1	28.1	8.0	8.0	27.9	27.9	84.8	84.8	5.7		8.3		5		88				<0.2		0.9	
						4.4	0.5	231	28.1		8.0		27.9		84.8		5.7		8.4		6		88				<0.2		0.8	
					Bottom	7.7	0.4	204	28.1	28.1	8.0	8.0	28.1	28.1	85.9	86.1	5.7	5.8	12.8		6		90				<0.2		0.8	
						7.7	0.4	222	28.1		8.0		28.1		86.3		5.8		12.3		7		91				<0.2		0.9	
C2	Rainy	Moderate	12:36	12.3	Surface	1.0	0.2	135	28.9	28.9	8.0	8.0	23.8	23.8	78.4	78.4	5.3	5.2	6.4	9.8	8	8	85	88	825684	806933	<0.2	<0.2	1.3	1.3
						1.0	0.2	148	28.9		8.0		23.8		78.4		5.3		6.6		7		85				<0.2		1.4	
					Middle	6.2	0.5	154	28.5	28.5	8.1	8.1	26.1	26.1	74.2	74.2	5.0		9.6		8		88				<0.2		1.2	
						6.2	0.5	168	28.5		8.1		26.1		74.2		5.0		9.6		8		88				<0.2		1.3	
					Bottom	11.3	0.5	144	28.5	28.5	8.1	8.1	26.5	26.5	73.0	73.0	4.9	4.9	13.2		9		90				<0.2		1.4	
						11.3	0.5	158	28.5		8.1		26.5		72.9		4.9		13.6		8		91				<0.2		1.2	
C3	Rainy	Moderate	14:28	13.0	Surface	1.0	0.4	286	28.5	28.5	7.9	7.9	27.0	27.0	75.8	75.8	5.1	5.0	7.3	12.2	11	11	84	86	822129	817800	<0.2	<0.2	1.2	1.1
						1.0	0.4	288	28.5		7.9		27.0		75.8		5.1		7.4		12		84				<0.2		1.2	
					Middle	6.5	0.2	257	28.4	28.4	8.0	8.0	27.3	27.3	73.2	73.2	4.9		13.9		11		87				<0.2		1.1	
						6.5	0.2	280	28.4		8.0		27.3		73.2		4.9		13.8		10		86				<0.2		1.0	
					Bottom	12.0	0.1	120	28.4	28.4	8.1	8.1	27.4	27.4	73.4	73.5	4.9	4.9	15.6		10		88				<0.2		1.1	
						12.0	0.1	126	28.4		8.1		27.4		73.5		4.9		15.4		11		88				<0.2		1.0	
IM1	Cloudy	Moderate	13:19	5.4	Surface	1.0	0.2	184	28.2	28.2	8.0	8.0	26.8	26.8	82.2	82.1	5.5	5.5	5.9	9.3	8	7	86	88	817949	807134	<0.2	<0.2	0.9	0.9
						1.0	0.2	191	28.2		8.0		26.8		81.9		5.5		6.6		7		87				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	165	28.2	28.2	8.0	8.0	27.5	27.5	82.1	82.3	5.5	5.5	12.7		6		90				<0.2		0.9	
						4.4	0.2	171	28.2		8.0		27.5		82.5		5.5		12.1		6		89				<0.2		0.9	
IM2	Cloudy	Moderate	13:11	7.7	Surface	1.0	0.1	169	28.2	28.2	8.0	8.0	26.8	26.8	83.2	83.2	5.6	5.6	4.6	5.1	5	6	85	87	818159	806142	<0.2	<0.2	0.8	0.9
						1.0	0.1	183	28.2		8.0		26.8		83.2		5.6		4.7		5		86				<0.2		0.8	
					Middle	3.9	0.2	163	28.2	28.2	8.0	8.0	26.9	26.9	82.4	82.3	5.5		4.7		7		87				<0.2		0.9	
						3.9	0.2	176	28.2		8.0		27.0		82.2		5.5		4.7		6		88				<0.2		0.9	
					Bottom	6.7	0.2	173	28.2	28.2	8.0	8.0	27.7	27.7	81.8	81.9	5.5	5.5	6.1		7		89				<0.2		0.9	
						6.7	0.2	182	28.2		8.0		27.7		82.0		5.5		6.1		6		89				<0.2		0.9	
IM3	Cloudy	Moderate	13:04	7.9	Surface	1.0	0.0	253	28.4	28.4	8.0	8.0	26.5	26.5	86.9	86.7	5.8	5.8	3.2	3.8	7	7	86	87	818760	805587	<0.2	<0.2	1.0	1.0
						1.0	0.0	267	28.3		8.0		26.6		86.5		5.8		3.3		6		85				<0.2		0.9	
					Middle	4.0	0.1	119	28.2	28.2	8.0	8.0	27.0	27.0	85.5	85.5	5.7		3.7		7		86				<0.2		0.9	
						4.0	0.1	129	28.2		8.0		27.0		85.4		5.7		3.7		7		87				<0.2		0.9	
					Bottom	6.9	0.2	119	28.2	28.2	8.0	8.0	27.5	27.5	85.8	86.0	5.7	5.8	4.4		8		89				<0.2		1.0	
						6.9	0.2	123	28.2		8.0		27.5		86.1		5.8		4.4		8		90				<0.2		1.0	
IM4	Cloudy	Moderate	12:55	8.1	Surface	1.0	0.3	200	28.3	28.3	8.0	8.0	25.9	25.9	83.9	83.9	5.7	5.8	4.4	5.2	10	10	85	88	819721	804606	<0.2	<0.2	1.2	1.1
						1.0	0.3	212	28.3		8.0		25.9		83.9		5.7		4.4		11		85				<0.2		1.1	
					Middle	4.1	0.2	203	28.4	28.4	8.0	8.0	26.4	26.5	85.6	85.7	5.8		4.9		10		87				<0.2		1.1	
						4.1	0.2	215	28.4		8.0		26.5		85.7		5.8		5.1		11		88				<0.2		1.1	
					Bottom	7.1	0.2	171	28.4	28.4	8.0	7.9	26.9	26.9	86.5	86.7	5.8	5.8	6.3		9		90				<0.2		1.0	
						7.1	0.2	173	28.4		7.9		26.9		86.8		5.8		6.1		9		90				<0.2		1.1	
IM5	Cloudy	Moderate	12:48	8.5	Surface	1.0	0.4	230	28.2	28.2	8.0	8.0	26.1	26.1	82.4	82.4	5.6	5.6	7.7	11.0	10	12	85	88	820731	804879	<0.2	<0.2	1.2	1.2
						1.0	0.4	247	28.2		8.0		26.2		82.4		5.6		8.2		8		86				<0.2		1.1	
					Middle	4.3	0.2	207	28.2	28.2	8.0	8.0	27.2	27.2	82.6	82.7	5.5		11.8		12		87				<0.2		1.2	
						4.3	0.2	207	28.2		8.0		27.3		82.7		5.5		12.4		12		88				<0.2		1.2	
					Bottom	7.5	0.1	156	28.2	28.2	8.0	7.9	27.4	27.4	84.1	84.2	5.6	5.7	13.0		13		90				<0.2		1.2	
						7.5	0.2	157	28.2		7.9		27.4		84.3		5.7		12.9		14		90				<0.2		1.1	
IM6	Cloudy	Moderate	12:41	8.1	Surface	1.0	0.3	260	28.2	28.2	8.0	8.0	25.5	25.5	82.2	82.1	5.6	5.5	7.1	10.4	10	9	85	88	821066	805818	<0.2	<0.2	1.3	1.4
						1.0	0.3	271	28.2		8.0		25.6		82.0		5.6		7.6		9		87				<0.2		1.4	
					Middle	4.1	0.2	238	28.1	28.1	8.0	8.0	26.7	26.8	80.8	80.8	5.4		11.2		9		86				<0.2		1.3	
						4.1	0.2	247	28.1		8.0		26.8		80.8		5.4		11.2		8		88				<0.2		1.2	
					Bottom	7.1	0.2	220	28.1	28.1	7.9	7.9	27.2	27.2	81.5	81.6	5.5	5.5	12.6		8		89				<0.2		1.4	
						7.1	0.2	231	28.1		7.9		27.2		81.6		5.5		12.5		9		90				<0.2		1.5	
IM7	Cloudy	Moderate	12:34	8.4	Surface	1.0	0.1	245	28.2	28.2	7.9	7.9	24.9	24.9	80.7	80.7	5.5	5.5	6.2	8.6	10	9	85	87	821372	806823	<0.2	<0.2	1.4	1.3
						1.0	0.1	260	28.2		7.9		24.9		80.7		5.5		6.3		10		85				<0.2		1.3	
					Middle	4.2	0.0	92	28.1	28.1	7.9	7.9	26.5	26.5	79.9	79.9	5.4		10.8		9		87				<0.2		1.2	
						4.2	0.0	100	28.1		7.9		26.6		79.9		5.4		10.1		10		87				<0.2		1.3	
					Bottom	7.4	0.1	108	28.1	28.1	7.9	7.9	27.1	27.1	80.2	80.3	5.4	5.4	9.1		8		89				<0.2		1.2	
						7.4	0.1	110	28.1		7.9		27.1		80.3		5.4		9.4		8		89				<0.2		1.2	
IM8	Cloudy	Moderate	13:00	8.6	Surface	1.0	0.0	185	28.7	28.7	8.0	8.0	25.1	25.1	79.9	79.9	5.4	5.3	6.8	8.5	10	11	85	87	821821	808161	<0.2	<0.2	1.3	1.2
						1.0	0.0	188	28.7		8.0		25.1		79.8		5.4		6.9		11		84				<0.2		1.3	
					Middle	4.3	0.1	142	28.6	28.6	8.1	8.1	26.4	26.4	76.9	76.9	5.2		8.0		12		87				<0.2		1.2	
						4.3	0.1	147	28.6		8.1		26.4		76.9		5.2		8.3		11		87				<0.2		1.1	
					Bottom	7.6	0.2	72	28.6	28.6	8.1	8.1	27.2	27.2	77.4	77.5	5.2	5.2	10.6		12		89				<0.2		1.3	
						7.6	0.2	78	28.6		8.1		27.2		77.5		5.2		10.5		12		89				<0.2		1.1	

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 September 20 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	13:07	8.2	Surface	1.0	0.2	149	28.6	28.6	8.0	8.0	25.9	25.9	76.3	76.3	5.1	5.1	11.8	14.9	11	13	84	87	822109	808812	<0.2	<0.2	1.3	1.2
						1.0	0.2	157	28.6		8.0		25.9		76.3		5.1		11.8		11		84				<0.2		1.2	
					Middle	4.1	0.3	119	28.5	28.5	8.1	8.1	26.4	26.4	75.8	75.9	5.1		14.3		14		86				<0.2		1.1	
						4.1	0.3	122	28.5		8.1		26.4		75.9		5.1		14.4		13		87				<0.2		1.2	
					Bottom	7.2	0.3	88	28.6	28.6	8.1	8.1	27.0	27.0	77.0	77.1	5.1	5.1	18.7		14		89				<0.2		1.2	
						7.2	0.3	88	28.6		8.1		27.0		77.1		5.1		18.5		15		90				<0.2		1.3	
IM10	Cloudy	Moderate	13:16	7.9	Surface	1.0	0.6	100	28.7	28.7	8.0	8.0	25.4	25.4	77.7	77.7	5.2	5.1	6.1	14.7	9	8	84	87	822383	809790	<0.2	<0.2	1.3	1.3
						1.0	0.7	106	28.7		8.0		25.4		77.6		5.2		6.2		9		85				<0.2		1.5	
					Middle	4.0	0.5	105	28.4	28.4	8.0	8.0	26.8	26.8	73.2	73.2	4.9		17.7		8		87				<0.2		1.3	
						4.0	0.5	114	28.4		8.0		26.8		73.2		4.9		17.1		7		87				<0.2		1.3	
					Bottom	6.9	0.5	96	28.4	28.4	8.0	8.0	26.8	26.8	72.2	72.2	4.8	4.8	20.3		7		89				<0.2		1.2	
						6.9	0.5	101	28.4		8.0		26.8		72.2		4.8		20.6		8		90				<0.2		1.3	
IM11	Cloudy	Moderate	13:26	9.1	Surface	1.0	0.7	142	28.7	28.7	8.0	8.0	25.7	25.7	76.8	76.7	5.1	5.1	8.1	16.3	10	8	84	87	822067	811439	<0.2	<0.2	1.2	1.2
						1.0	0.7	154	28.7		8.0		25.8		76.5		5.1		8.8		8		85				<0.2		1.3	
					Middle	4.6	0.7	140	28.5	28.5	8.1	8.1	26.4	26.4	73.8	73.8	5.0		17.6		8		86				<0.2		1.2	
						4.6	0.7	144	28.5		8.1		26.4		73.8		5.0		17.2		8		87				<0.2		1.2	
					Bottom	8.1	0.5	146	28.4	28.4	8.1	8.1	26.5	26.5	74.0	74.0	5.0	5.0	23.1		7		89				<0.2		1.2	
						8.1	0.5	159	28.4		8.1		26.5		74.0		5.0		22.9		6		89				<0.2		1.1	
IM12	Cloudy	Moderate	13:36	10.5	Surface	1.0	0.5	95	28.9	28.9	8.0	8.0	25.2	25.2	78.8	78.7	5.3	5.2	9.9	16.8	15	12	84	87	821459	812041	<0.2	<0.2	1.1	1.2
						1.0	0.5	100	28.9		8.0		25.2		78.6		5.3		10.0		14		85				<0.2		1.2	
					Middle	5.3	0.4	116	28.6	28.6	8.1	8.1	26.2	26.2	76.1	76.2	5.1		17.8		12		86				<0.2		1.2	
						5.3	0.4	124	28.6		8.1		26.2		76.2		5.1		17.5		12		87				<0.2		1.0	
					Bottom	9.5	0.2	92	28.6	28.6	8.1	8.1	26.2	26.2	76.9	77.0	5.2	5.2	22.9		11		89				<0.2		1.2	
						9.5	0.2	94	28.6		8.1		26.2		77.0		5.2		22.7		10		89				<0.2		1.2	
SR1A	Cloudy	Moderate	13:54	5.3	Surface	1.0	-	-	28.7	28.7	8.0	8.0	25.8	25.8	78.1	78.1	5.2	5.2	5.5	8.2	7	8	-	-	819982	812665	-	-	-	-
						1.0	-	-	28.7		8.0		25.8		78.1		5.2		5.5		7		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	28.5	28.5	8.0	8.0	26.4	26.4	72.8	72.8	4.9	4.9	10.8		9		-				-		-	
						4.3	-	-	28.5		8.0		26.4		72.7		4.9		11.0		8		-				-		-	
SR2	Cloudy	Moderate	14:07	4.5	Surface	1.0	0.6	52	28.8	28.8	8.0	8.0	25.7	25.7	78.5	78.6	5.3	5.3	10.6	14.4	9	8	86	87	821459	814180	<0.2	<0.2	1.2	1.2
						1.0	0.6	54	28.8		8.0		25.7		78.7		5.3		10.1		9		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.5	47	28.6	28.6	8.1	8.1	26.1	26.1	76.9	77.0	5.2	5.2	18.3		6		88				<0.2		1.2	
						3.5	0.5	51	28.6		8.1		26.1		77.0		5.2		18.4		7		88				<0.2		1.1	
SR3	Cloudy	Moderate	12:54	10.2	Surface	1.0	0.0	246	28.7	28.7	8.1	8.1	25.3	25.3	77.9	77.9	5.2	5.2	6.3	9.6	8	7	-	-	822131	807589	-	-	-	-
						1.0	0.0	252	28.7		8.1		25.3		77.8		5.2		6.3		9		-				-		-	
					Middle	5.1	0.1	194	28.6	28.6	8.1	8.1	26.2	26.2	77.6	77.7	5.2		9.3		7		-				-		-	
						5.1	0.1	200	28.6		8.1		26.3		77.8		5.2		9.0		7		-				-		-	
					Bottom	9.2	0.1	258	28.7	28.7	8.2	8.2	27.5	27.5	79.6	79.7	5.3	5.3	13.3		6		-				-		-	
						9.2	0.1	277	28.7		8.2		27.5		79.7		5.3		13.2		6		-				-		-	
SR4A	Cloudy	Moderate	14:02	8.9	Surface	1.0	0.1	79	28.4	28.4	8.0	8.0	26.9	26.9	82.7	82.6	5.5	5.5	9.1	9.3	5	6	-	-	817191	807821	-	-	-	-
						1.0	0.1	79	28.4		8.0		26.9		82.5		5.5		9.2		5		-				-		-	
					Middle	4.5	0.2	62	28.2	28.2	8.0	8.0	27.2	27.2	80.5	80.5	5.4		7.3		6		-				-		-	
						4.5	0.2	64	28.2		8.0		27.2		80.5		5.4		7.6		7		-				-		-	
					Bottom	7.9	0.1	68	28.2	28.2	8.0	8.0	27.5	27.5	81.0	81.2	5.4	5.5	11.3		7		-				-		-	
						7.9	0.1	73	28.2		8.0		27.5		81.3		5.5		11.2		6		-				-		-	
SR5A	Rainy	Moderate	14:19	3.5	Surface	1.0	0.1	103	28.2	28.2	7.9	7.9	26.2	26.2	81.6	81.6	5.5	5.5	8.3	10.1	7	7	-	-	816600	810678	-	-	-	-
						1.0	0.1	104	28.2		7.9		26.2		81.5		5.5		8.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	144	28.1	28.1	7.9	7.9	26.6	26.6	80.9	81.0	5.5	5.5	11.4		7		-				-		-	
						2.5	0.1	147	28.1		7.9		26.6		81.1		5.5		11.8		8		-				-		-	
SR6A	Rainy	Moderate	15:11	4.2	Surface	1.0	0.0	18	28.1	28.1	8.0	7.9	25.2	25.2	77.7	77.7	5.3	5.3	10.1	11.0	9	11	-	-	817985	814728	-	-	-	-
						1.0	0.0	19	28.0		7.9		25.3		77.7		5.3		10.5		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	249	28.1	28.1	7.9	7.9	25.5	25.4	77.9	78.2	5.3	5.3	11.0		13		-				-		-	
						3.2	0.1	272	28.1		7.9		25.4		78.4		5.3		12.5		14		-				-		-	
SR7	Cloudy	Moderate	14:56	15.8	Surface	1.0	0.6	61	28.5	28.6	8.0	8.0	27.1	27.1	76.3	76.3	5.1	5.1	4.8	5.7	6	8	-	-	823619	823743	-	-	-	-
						1.0	0.7	62	28.6		8.0		27.1		76.3		5.1		4.8		6		-				-		-	
					Middle	7.9	0.2	14	28.5	28.5	8.0	8.0	27.1	27.1	75.5	75.4	5.0		4.7		8		-				-		-	
						7.9	0.2	15	28.5		8.0		27.1		75.2		5.0		4.7		8		-				-		-	
					Bottom	14.8	0.2	55	28.2	28.2	8.1	8.1	28.1	28.1	71.6	71.6	4.8	4.8	7.4		9		-				-		-	
						14.8	0.2	57	28.2		8.1		28.2		71.6		4.8		7.4		8		-				-		-	
SR8	Cloudy	Moderate	13:45	4.8	Surface	1.0	-	-	29.0	29.0	8.0	8.0	25.9	25.9	78.6	78.6	5.2	5.2	9.3	12.7	14	15	-	-	820406	811640	-	-	-	-
						1.0	-	-	29.0		8.0		25.9		78.5		5.2		9.4		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.5	28.5	8.1	8.1	26.2	26.2	74.7	74.8	5.0	5.0	16.2		15		-				-		-	
						3.8	-	-	28.5		8.1		26.2		74.8		5.0		16.1		16		-				-		-	

DA: Depth-Averaged

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

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Cloudy	Moderate	08:14	8.3	Surface	1.0	0.5	28	28.0	28.0	8.0	8.0	27.4	27.4	81.4	81.4	5.5	5.5	11.3	10.9	12	11	85	87	815599	804257	<0.2	<0.2	1.0	1.0
						1.0	0.5	28	28.0		8.0		27.4		81.3		5.5		12.0		12		86				<0.2		1.0	
					Middle	4.2	0.5	23	28.1	28.1	8.0	8.0	27.8	27.8	80.5	80.5	5.4		9.9		11		87				<0.2		0.9	
						4.2	0.6	23	28.1		8.0		27.8		80.5		5.4		9.5		12		88				<0.2		1.0	
					Bottom	7.3	0.5	38	28.1	28.1	8.0	8.0	27.9	27.9	81.0	81.1	5.4	5.4	11.2		10		89				<0.2		1.0	
						7.3	0.5	38	28.1		8.0		27.9		81.1		5.4		11.5		9		89				<0.2		1.0	
C2	Rainy	Moderate	08:39	12.9	Surface	1.0	0.3	350	28.8	28.8	8.0	8.0	22.8	22.8	73.0	73.0	5.0	4.9	5.7	8.9	6	7	86	88	825674	806934	<0.2	<0.2	1.6	1.4
						1.0	0.3	322	28.8		8.0		22.8		73.0		5.0		5.7		7		85				<0.2		1.8	
					Middle	6.5	0.4	28	28.6	28.6	8.0	8.0	23.6	23.6	71.0	71.0	4.8		9.1		6		88				<0.2		1.1	
						6.5	0.4	29	28.6		8.0		23.6		71.0		4.8		9.3		7		89				<0.2		1.2	
					Bottom	11.9	0.4	346	28.6	28.6	8.1	8.1	25.6	25.5	72.1	72.2	4.9	4.9	11.7		7		91				<0.2		1.2	
						11.9	0.4	318	28.6		8.1		25.5		72.2		4.9		12.0		7		90				<0.2		1.4	
C3	Cloudy	Rough	06:53	10.7	Surface	1.0	0.3	241	28.4	28.4	8.1	8.1	26.4	26.4	74.2	74.2	5.0	4.9	7.4	11.8	14	11	84	86	822132	817801	<0.2	<0.2	1.2	1.2
						1.0	0.3	248	28.4		8.1		26.4		74.2		5.0		7.4		12		84				<0.2		1.0	
					Middle	5.4	0.4	252	28.3	28.3	8.1	8.1	27.1	27.1	71.5	71.5	4.8		11.9		11		87				<0.2		1.2	
						5.4	0.4	270	28.3		8.1		27.1		71.5		4.8		12.0		11		86				<0.2		1.2	
					Bottom	9.7	0.4	266	28.2	28.2	8.1	8.1	27.4	27.4	71.0	71.1	4.8	4.8	16.1		10		88				<0.2		1.2	
						9.7	0.4	288	28.2		8.1		27.4		71.1		4.8		16.3		9		89				<0.2		1.1	
IM1	Cloudy	Moderate	08:32	5.3	Surface	1.0	0.2	2	27.9	27.9	8.0	8.0	26.6	26.6	79.0	79.0	5.3	5.3	9.0	12.9	10	9	87	88	817972	807142	<0.2	<0.2	1.3	1.2
						1.0	0.2	2	27.9		8.0		26.7		79.0		5.3		9.8		10		85				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	15	27.9	27.9	7.9	7.9	26.8	26.8	80.7	80.9	5.5	5.5	16.5		8		89				<0.2		1.3	
						4.3	0.2	15	27.9		7.9		26.8		81.1		5.5		16.4		8		90				<0.2		1.2	
IM2	Cloudy	Moderate	08:43	7.8	Surface	1.0	0.4	7	28.0	28.0	8.0	8.0	26.5	26.5	79.1	79.1	5.3	5.4	8.8	12.4	10	18	85	87	818168	806160	<0.2	<0.2	1.1	1.1
						1.0	0.4	7	27.9		8.0		26.5		79.1		5.3		8.8		11		85				<0.2		1.1	
					Middle	3.9	0.3	359	27.9	27.9	8.0	8.0	26.5	26.5	79.2	79.3	5.4		11.7		10		87				<0.2		1.1	
						3.9	0.3	330	27.9		8.0		26.5		79.3		5.4		11.6		11		86				<0.2		1.1	
					Bottom	6.8	0.2	343	27.9	27.9	7.9	7.9	26.6	26.6	79.8	79.8	5.4	5.4	16.4		32		89				<0.2		1.1	
						6.8	0.2	316	27.9		7.9		26.6		79.8		5.4		16.7		32		89				<0.2		1.0	
IM3	Cloudy	Moderate	08:49	7.7	Surface	1.0	0.4	337	28.0	28.0	8.0	8.0	26.5	26.5	78.9	78.9	5.3	5.3	7.9	12.5	7	15	85	87	818805	805597	<0.2	<0.2	1.4	1.5
						1.0	0.5	310	28.0		8.0		26.5		78.9		5.3		8.2		6		85				<0.2		1.4	
					Middle	3.9	0.5	341	28.0	28.0	8.0	8.0	26.6	26.6	78.9	78.9	5.3		13.2		7		87				<0.2		1.6	
						3.9	0.5	314	28.0		8.0		26.6		78.9		5.3		13.4		8		87				<0.2		1.5	
					Bottom	6.7	0.4	341	28.0	28.0	7.9	7.9	26.5	26.5	78.8	78.8	5.3	5.3	16.5		32		89				<0.2		1.4	
						6.7	0.4	358	28.0		7.9		26.5		78.7		5.3		16.0		32		90				<0.2		1.5	
IM4	Cloudy	Moderate	08:59	7.6	Surface	1.0	0.9	350	28.0	28.0	8.0	8.0	26.6	26.6	78.9	78.9	5.3	5.3	8.5	9.5	6	9	86	88	819705	804623	<0.2	<0.2	1.4	1.4
						1.0	0.9	322	28.0		8.0		26.6		78.9		5.3		9.0		7		86				<0.2		1.4	
					Middle	3.8	0.8	351	28.0	28.0	8.0	8.0	26.6	26.6	79.1	79.1	5.3		9.6		10		87				<0.2		1.4	
						3.8	0.9	352	28.0		8.0		26.6		79.1		5.3		9.4		9		88				<0.2		1.4	
					Bottom	6.6	0.8	356	28.0	28.0	7.9	7.9	26.6	26.6	80.1	80.2	5.4	5.4	10.5		9		90				<0.2		1.5	
						6.6	0.8	356	28.0		7.9		26.6		80.3		5.4		10.1		10		91				<0.2		1.4	
IM5	Cloudy	Moderate	09:05	7.5	Surface	1.0	1.1	14	28.0	28.0	8.0	8.0	26.4	26.4	79.4	79.4	5.4	5.4	9.3	12.2	7	8	85	87	820752	804873	<0.2	<0.2	1.3	1.4
						1.0	1.2	14	28.0		8.0		26.4		79.4		5.4		9.5		8		85				<0.2		1.4	
					Middle	3.8	1.0	16	28.0	28.0	8.0	7.9	26.4	26.4	79.6	79.7	5.4		15.2		7		86				<0.2		1.4	
						3.8	1.1	16	28.0		7.9		26.4		79.7		5.4		15.0		8		88				<0.2		1.4	
					Bottom	6.5	0.9	11	28.0	28.0	7.9	7.9	26.4	26.4	80.6	80.8	5.5	5.5	12.1		10		89				<0.2		1.4	
						6.5	1.0	11	28.0		7.9		26.4		80.9		5.5		12.2		10		89				<0.2		1.4	
IM6	Cloudy	Moderate	09:11	8.0	Surface	1.0	0.0	4	28.0	28.0	7.9	7.9	24.8	24.8	79.8	79.9	5.4	5.5	8.2	9.9	5	7	86	88	821052	805832	<0.2	<0.2	1.4	1.5
						1.0	0.0	4	28.0		7.9		24.9		79.9		5.4		8.2		6		85				<0.2		1.6	
					Middle	4.0	0.2	52	28.0	28.0	7.9	7.9	25.4	25.4	80.4	80.5	5.5		9.8		6		88				<0.2		1.5	
						4.0	0.2	54	28.0		7.9		25.5		80.5		5.5		10.1		7		88				<0.2		1.6	
					Bottom	7.0	0.1	36	27.9	27.9	7.9	7.9	25.9	25.9	81.2	81.3	5.5	5.5	11.5		8		90				<0.2		1.4	
						7.0	0.1	38	27.9		7.9		25.9		81.4		5.5		11.5		8		91				<0.2		1.3	
IM7	Cloudy	Moderate	09:22	8.3	Surface	1.0	0.1	238	28.1	28.1	7.9	7.9	22.6	22.6	79.1	79.2	5.5	5.5	6.1	8.6	6	6	85	88	821367	806857	<0.2	<0.2	1.5	1.5
						1.0	0.1	243	28.1		7.9		22.6		79.2		5.5		6.5		5		86				<0.2		1.6	
					Middle	4.2	0.2	112	28.0	28.0	7.9	7.9	24.8	24.8	79.8	79.9	5.4		9.6		5		87				<0.2		1.5	
						4.2	0.2	117	28.0		7.9		24.8		79.9		5.5		9.5		6		88				<0.2		1.6	
					Bottom	7.3	0.1	73	28.0	28.0	7.9	7.8	25.8	25.8	81.8	82.0	5.6	5.6	9.8		6		89				<0.2		1.5	
						7.3	0.1	73	28.0		7.8		25.8		82.1		5.6		9.8		6		91				<0.2		1.5	
IM8	Cloudy	Moderate	08:13	8.2	Surface	1.0	0.2	74	28.7	28.7	8.0	8.0	23.7	23.7	78.6	78.6	5.3	5.3	5.4	9.6	10	9	84	87	821810	808147	<0.2	<0.2	1.6	1.6
						1.0	0.2	77	28.7		8.0		23.8		78.5		5.3		5.4		10		85				<0.2		1.5	
					Middle	4.1	0.1	72	28.6	28.6	8.0	8.0	24.9	24.9	77.4	77.4	5.2		10.3		9		86				<0.2		1.6	
						4.1	0.1	76	28.6		8.0		24.9		77.4		5.2		10.2		9		87				<0.2		1.6	
					Bottom	7.2	0.1	105	28.5	28.5	8.0	8.0	25.0	25.0	78.8	78.9	5.3	5.3	13.1		7		89				<0.2		1.6	
						7.2	0.1	113	28.5		8.0		25.0		78.9		5.3		13.5		7		89				<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 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:07	7.8	Surface	1.0	0.1	253	28.6	28.6	8.0	8.0	24.9	24.9	78.2	78.2	5.3	5.3	11.1	15.0	15	14	85	87	822102	808832	<0.2	<0.2	1.4	1.3
						1.0	0.1	254	28.6		8.0		24.9		78.2		5.3		11.1		16		84				<0.2		1.4	
					Middle	3.9	0.2	274	28.5	28.5	8.0	8.0	24.9	24.9	77.5	77.5	5.2		14.5		14		87				<0.2		1.4	
						3.9	0.2	274	28.5		8.0		24.9		77.5		5.2		14.5		15		86				<0.2		1.3	
					Bottom	6.8	0.1	307	28.5	28.5	8.0	8.0	24.9	24.9	78.9	79.0	5.3	5.3	19.4		12		89				<0.2		1.2	
						6.8	0.1	317	28.5		8.0		24.9		79.0		5.3		19.4		12		89				<0.2		1.3	
IM10	Cloudy	Moderate	07:59	8.3	Surface	1.0	0.8	321	28.6	28.6	8.0	8.0	25.3	25.3	77.6	77.6	5.2	5.2	12.4	15.6	18	15	85	87	822383	809790	<0.2	<0.2	1.3	1.2
						1.0	0.9	326	28.6		8.0		25.3		77.6		5.2		12.4		17		85				<0.2		1.2	
					Middle	4.2	0.7	321	28.6	28.6	8.1	8.1	25.5	25.5	76.6	76.6	5.2		15.4		14		87				<0.2		1.0	
						4.2	0.8	337	28.6		8.1		25.5		76.6		5.2		15.5		14		87				<0.2		1.0	
					Bottom	7.3	0.6	323	28.6	28.6	8.1	8.1	25.6	25.6	76.6	76.6	5.2	5.2	19.0		13		89				<0.2		1.2	
						7.3	0.6	326	28.6		8.1		25.6		76.6		5.2		18.9		13		89				<0.2		1.2	
IM11	Cloudy	Moderate	07:49	9.1	Surface	1.0	0.8	315	28.5	28.5	8.1	8.1	25.8	25.8	76.8	76.8	5.2	5.2	11.5	14.3	20	19	85	87	822054	811472	<0.2	<0.2	1.3	1.3
						1.0	0.9	331	28.5		8.1		25.8		76.8		5.2		11.6		20		86				<0.2		1.4	
					Middle	4.6	0.7	321	28.5	28.5	8.1	8.1	25.8	25.8	76.7	76.7	5.2		14.4		19		87				<0.2		1.3	
						4.6	0.7	346	28.5		8.1		25.8		76.7		5.2		14.0		18		88				<0.2		1.3	
					Bottom	8.1	0.7	314	28.5	28.5	8.1	8.1	25.7	25.7	77.4	77.4	5.2	5.2	17.1		19		89				<0.2		1.2	
						8.1	0.7	325	28.5		8.1		25.7		77.4		5.2		16.9		18		89				<0.2		1.2	
IM12	Cloudy	Moderate	07:43	8.5	Surface	1.0	0.9	298	28.5	28.5	8.0	8.0	26.2	26.2	76.1	76.1	5.1	5.1	11.5	14.4	21	22	85	87	821471	812039	<0.2	<0.2	1.3	1.2
						1.0	1.0	319	28.5		8.0		26.2		76.1		5.1		11.4		21		84				<0.2		1.1	
					Middle	4.3	0.8	301	28.4	28.4	8.0	8.0	26.3	26.3	75.9	75.9	5.1		13.6		21		87				<0.2		1.2	
						4.3	0.8	326	28.4		8.0		26.3		75.9		5.1		13.5		22		87				<0.2		1.2	
					Bottom	7.5	0.7	301	28.4	28.4	8.0	8.0	26.3	26.3	76.7	76.8	5.2	5.2	18.3		22		89				<0.2		1.2	
						7.5	0.7	310	28.4		8.0		26.3		76.8		5.2		18.0		23		89				<0.2		1.3	
SR1A	Cloudy	Moderate	07:25	5.4	Surface	1.0	-	-	28.4	28.4	8.1	8.1	25.7	25.7	75.0	75.0	5.1	5.1	5.9	6.7	12	12	-	-	819978	812664	-	-	-	-
						1.0	-	-	28.4		8.1		25.7		75.0		5.1		6.0		12		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	28.5	28.5	8.1	8.1	25.9	25.9	75.0	75.0	5.0	5.1	7.5		12		-				-		-	
						4.4	-	-	28.5		8.1		25.9		75.0		5.1		7.5		13		-				-		-	
SR2	Rainy	Rough	07:13	4.9	Surface	1.0	0.1	184	28.4	28.4	8.1	8.1	26.1	26.1	77.0	77.0	5.2	5.2	5.5	7.9	6	7	85	86	821448	814187	<0.2	<0.2	1.2	1.1
						1.0	0.1	198	28.4		8.1		26.1		76.9		5.2		5.7		6		85				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	204	28.4	28.4	8.1	8.1	26.3	26.3	77.3	77.4	5.2	5.2	10.3		9		87				<0.2		1.0	
						3.9	0.1	206	28.4		8.1		26.3		77.5		5.2		10.2		8		88				<0.2		1.0	
SR3	Cloudy	Moderate	08:20	9.5	Surface	1.0	0.2	51	28.7	28.7	8.0	8.0	23.6	23.6	74.5	74.5	5.1	5.1	6.3	10.4	6	8	-	-	822165	807582	-	-	-	-
						1.0	0.2	53	28.7		8.0		23.6		74.5		5.1		6.2		6		-				-		-	
					Middle	4.8	0.2	79	28.6	28.6	8.0	8.0	24.3	24.3	75.8	75.9	5.1		11.6		8		-				-		-	
						4.8	0.2	79	28.6		8.0		24.3		76.0		5.1		11.8		8		-				-		-	
					Bottom	8.5	0.1	31	28.6	28.6	8.0	8.0	24.9	24.9	76.9	76.9	5.2	5.2	13.2		10		-				-		-	
						8.5	0.1	31	28.6		8.0		24.9		76.9		5.2		13.2		9		-				-		-	
SR4A	Cloudy	Moderate	07:52	8.0	Surface	1.0	0.1	221	27.9	27.9	7.9	7.9	25.8	25.8	79.2	79.2	5.4	5.4	10.1	11.0	16	12	-	-	817209	807798	-	-	-	-
						1.0	0.1	228	27.9		7.9		25.8		79.2		5.4		10.7		15		-				-		-	
					Middle	4.0	0.2	63	27.9	27.9	7.9	7.9	25.9	25.9	78.5	78.5	5.3		11.9		11		-				-		-	
						4.0	0.2	69	27.9		7.9		25.9		78.5		5.3		11.8		12		-				-		-	
					Bottom	7.0	0.1	69	27.9	27.9	7.9	7.9	26.6	26.6	77.9	78.0	5.3	5.3	10.7		10		-				-		-	
						7.0	0.1	69	27.9		7.9		26.6		78.0		5.3		10.6		10		-				-		-	
SR5A	Rainy	Moderate	07:36	3.5	Surface	1.0	0.2	307	27.9	27.9	7.8	7.8	25.4	25.4	78.3	78.3	5.3	5.3	11.1	11.7	15	13	-	-	816584	810695	-	-	-	-
						1.0	0.2	320	27.9		7.8		25.4		78.3		5.3		11.4		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.2	293	27.9	27.9	7.8	7.8	25.4	25.4	78.5	78.6	5.4	5.4	12.2		11		-				-		-	
						2.5	0.2	308	27.9		7.8		25.4		78.6		5.4		12.3		10		-				-		-	
SR6A	Rainy	Moderate	07:03	4.8	Surface	1.0	0.1	201	27.9	27.9	7.9	7.9	25.0	25.0	73.9	73.7	5.0	5.0	5.6	9.6	8	7	-	-	817945	814728	-	-	-	-
						1.0	0.1	216	27.9		7.9		25.1		73.5		5.0		6.4		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	223	28.0	28.0	7.9	7.9	25.4	25.4	72.0	72.7	4.9	5.0	13.5		6		-				-		-	
						3.8	0.1	227	27.9		7.9		25.4		73.4		5.0		13.0		7		-				-		-	
SR7	Cloudy	Moderate	06:23	16.0	Surface	1.0	0.0	116	28.3	28.3	8.1	8.1	26.9	26.9	73.5	73.5	5.0	5.0	6.3	7.1	9	9	-	-	823622	823726	-	-	-	-
						1.0	0.0	127	28.3		8.1		26.9		73.5		5.1		6.3		10		-				-		-	
					Middle	8.0	0.1	184	28.3	28.3	8.1	8.1	27.2	27.2	72.6	72.7	5.0		7.2		9		-				-		-	
						8.0	0.1	192	28.3		8.1		27.2		72.7		5.0		7.2		8		-				-		-	
					Bottom	15.0	0.1	76	28.3	28.3	8.1	8.1	27.3	27.3	73.0	73.1	5.1	5.1	7.8		8		-				-		-	
						15.0	0.1	81	28.3		8.1		27.3		73.1		5.1		7.9		8		-				-		-	
SR8	Cloudy	Moderate	07:35	5.1	Surface	1.0	-	-	28.6	28.6	8.0	8.0	25.4	25.4	77.8	77.8	5.2	5.2	9.9	11.2	17	15	-	-	820384	811619	-	-	-	-
						1.0	-	-	28.6		8.0		25.4		77.7		5.2		10.0		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.5	28.5	8.0	8.0	25.6	25.6	78.3	78.3	5.3	5.3	12.5		13		-				-		-	
						4.1	-	-	28.5		8.0		25.6		78.3		5.3		12.6		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 22 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	15:51	9.1	Surface	1.0	0.3	249	29.4	29.4	8.1	8.1	25.0	25.1	87.6	87.6	5.8	5.6	3.9	5.2	4	4	86	89	815643	804242	<0.2	<0.2	1.6	1.6
						1.0	0.3	259	29.4		8.1		25.3		87.5		5.8		3.9		3		86				<0.2		1.5	
					Middle	4.6	0.2	196	29.1	29.1	8.2	8.2	26.7	26.8	81.3	81.1	5.4		5.5		4		89				<0.2		1.6	
						4.6	0.2	210	29.1		8.2		26.9		80.9		5.4		5.4		4		89				<0.2		1.6	
					Bottom	8.1	0.2	204	29.0	29.0	8.2	8.2	28.0	28.0	80.6	80.8	5.3	5.3	6.2		4		92				<0.2		1.7	
						8.1	0.2	216	29.0		8.2		28.0		80.9		5.3		6.1		4		92				<0.2		1.7	
C2	Cloudy	Moderate	14:55	12.0	Surface	1.0	0.2	163	29.1	29.1	8.0	8.0	20.5	20.5	80.4	80.4	5.5	5.3	7.2	9.6	8	8	86	89	825704	806958	<0.2	<0.2	1.6	1.6
						1.0	0.2	175	29.0		8.0		20.5		80.3		5.5		7.5		8		88				<0.2		1.6	
					Middle	6.0	0.2	165	28.6	28.6	8.0	8.0	24.5	24.5	74.2	74.1	5.0		11.1		8		88				<0.2		1.8	
						6.0	0.2	170	28.6		8.0		24.5		74.0		5.0		11.1		8		89				<0.2		1.8	
					Bottom	11.0	0.3	160	28.5	28.5	8.0	8.0	25.6	25.6	72.6	72.6	4.9	4.9	10.5		8		90				<0.2		1.4	
						11.0	0.3	167	28.5		8.0		25.6		72.6		4.9		10.5		8		90				<0.2		1.6	
C3	Cloudy	Moderate	16:44	12.4	Surface	1.0	0.4	55	28.9	28.9	8.0	8.0	25.0	25.0	83.5	83.5	5.6	5.4	3.1	3.6	4	5	86	88	822110	817795	<0.2	<0.2	1.2	1.4
						1.0	0.5	59	28.9		8.0		25.1		83.4		5.6		3.1		5		87				<0.2		1.3	
					Middle	6.2	0.3	104	28.7	28.7	8.0	8.0	25.9	26.0	77.4	77.4	5.2		3.3		5		87				<0.2		1.4	
						6.2	0.3	113	28.7		8.0		26.0		77.3		5.2		3.2		4		88				<0.2		1.5	
					Bottom	11.4	0.3	89	28.5	28.5	8.0	8.0	26.6	26.6	77.6	77.7	5.2	5.2	4.4		5		90				<0.2		1.4	
						11.4	0.3	89	28.5		8.0		26.6		77.8		5.2		4.4		6		90				<0.2		1.4	
IM1	Sunny	Moderate	15:32	5.2	Surface	1.0	0.1	206	29.7	29.7	8.1	8.1	24.9	24.9	88.7	88.6	5.9	5.9	5.3	6.1	4	4	89	90	817926	807142	<0.2	<0.2	1.4	1.5
						1.0	0.1	223	29.6		8.1		25.0		88.4		5.9		5.3		4		89				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	164	29.3	29.3	8.1	8.1	25.4	25.4	82.7	82.9	5.5	5.5	7.1		4		91				<0.2		1.6	
						4.2	0.2	166	29.3		8.1		25.4		83.0		5.5		6.9		4		91				<0.2		1.6	
IM2	Sunny	Moderate	15:25	7.5	Surface	1.0	0.0	79	29.6	29.6	8.1	8.1	24.8	24.9	87.9	87.7	5.8	5.6	4.7	5.4	4	4	85	89	818142	806154	<0.2	<0.2	1.5	1.4
						1.0	0.0	80	29.5		8.1		25.0		87.5		5.8		5.0		3		85				<0.2		1.4	
					Middle	3.8	0.1	163	29.2	29.2	8.1	8.1	25.6	25.5	79.4	79.4	5.3		5.1		4		89				<0.2		1.4	
						3.8	0.2	168	29.2		8.1		25.5		79.4		5.3		5.1		4		90				<0.2		1.4	
					Bottom	6.5	0.2	174	29.2	29.2	8.1	8.1	26.0	25.9	79.3	79.4	5.3	5.3	6.4		4		91				<0.2		1.4	
						6.5	0.2	186	29.2		8.1		25.9		79.4		5.3		6.4		4		92				<0.2		1.3	
IM3	Sunny	Moderate	15:19	7.4	Surface	1.0	0.1	69	29.8	29.8	8.1	8.1	24.3	24.4	88.3	88.2	5.9	5.6	4.7	5.6	4	4	86	89	818778	805615	<0.2	<0.2	1.5	1.4
						1.0	0.2	75	29.7		8.1		24.6		88.0		5.9		5.1		5		85				<0.2		1.6	
					Middle	3.7	0.1	115	29.2	29.2	8.1	8.1	25.5	25.5	80.1	80.2	5.3		5.6		4		89				<0.2		1.6	
						3.7	0.1	124	29.2		8.1		25.5		80.2		5.3		5.4		3		90				<0.2		1.6	
					Bottom	6.4	0.1	102	29.1	29.1	8.1	8.1	25.6	25.6	79.0	79.1	5.3	5.3	6.4		3		91				<0.2		0.9	
						6.4	0.1	102	29.1		8.1		25.6		79.2		5.3		6.4		4		91				<0.2		0.9	
IM4	Sunny	Moderate	15:10	8.8	Surface	1.0	0.1	95	29.5	29.5	8.1	8.1	25.0	25.1	82.6	82.5	5.5	5.5	4.0	5.4	4	5	84	88	819745	804594	<0.2	<0.2	1.6	1.5
						1.0	0.1	99	29.5		8.1		25.1		82.3		5.5		4.1		5		85				<0.2		1.6	
					Middle	4.4	0.2	90	29.2	29.2	8.1	8.1	25.9	25.9	80.5	80.5	5.4		5.8		5		89				<0.2		1.7	
						4.4	0.2	90	29.2		8.1		25.9		80.5		5.4		5.7		4		89				<0.2		1.7	
					Bottom	7.8	0.2	124	29.1	29.1	8.1	8.1	26.2	26.2	81.5	81.9	5.4	5.5	6.4		5		90				<0.2		1.1	
						7.8	0.2	130	29.1		8.1		26.2		82.2		5.5		6.4		4		91				<0.2		1.0	
IM5	Sunny	Moderate	15:05	8.1	Surface	1.0	0.3	226	29.6	29.6	8.1	8.1	22.6	22.7	85.3	85.3	5.7	5.5	4.4	5.3	5	5	85	89	820757	804867	<0.2	<0.2	1.0	1.4
						1.0	0.3	230	29.6		8.1		22.7		85.2		5.7		4.5		5		85				<0.2		1.0	
					Middle	4.1	0.1	170	29.1	29.2	8.1	8.1	25.5	25.6	79.7	79.8	5.3		5.1		4		89				<0.2		1.6	
						4.1	0.1	186	29.2		8.1		25.6		79.9		5.3		5.3		5		89				<0.2		1.6	
					Bottom	7.1	0.1	120	29.2	29.3	8.1	8.1	25.6	25.6	82.5	82.7	5.5	5.5	6.4		4		92				<0.2		1.5	
						7.1	0.2	129	29.3		8.1		25.5		82.9		5.5		6.4		4		91				<0.2		1.6	
IM6	Sunny	Moderate	14:59	7.9	Surface	1.0	0.3	229	29.6	29.6	8.1	8.1	21.8	21.8	84.1	83.9	5.7	5.6	3.9	5.4	4	4	85	89	821051	805818	<0.2	<0.2	1.6	1.6
						1.0	0.3	244	29.6		8.1		21.8		83.7		5.7		4.1		3		86				<0.2		1.7	
					Middle	4.0	0.0	95	29.3	29.3	8.1	8.1	25.2	25.2	80.3	80.3	5.4		5.4		3		89				<0.2		1.4	
						4.0	0.0	95	29.3		8.1		25.2		80.3		5.4		6.0		4		89				<0.2		1.6	
					Bottom	6.9	0.0	156	29.2	29.2	8.1	8.1	25.2	25.2	80.6	80.8	5.4	5.4	6.6		5		91				<0.2		1.5	
						6.9	0.0	169	29.2		8.1		25.2		80.9		5.4		6.5		4		91				<0.2		1.5	
IM7	Sunny	Moderate	14:54	9.1	Surface	1.0	0.2	273	29.7	29.7	8.1	8.1	22.5	22.5	83.9	83.8	5.6	5.5	4.7	5.4	5	4	85	88	821362	806843	<0.2	<0.2	1.5	1.6
						1.0	0.2	289	29.7		8.1		22.5		83.7		5.6		4.7		4		86				<0.2		1.6	
					Middle	4.6	0.1	276	29.4	29.4	8.1	8.1	24.4	24.4	80.8	80.7	5.4		5.1		4		88				<0.2		1.6	
						4.6	0.1	282	29.4		8.1		24.5		80.6		5.4		5.2		4		88				<0.2		1.5	
					Bottom	8.1	0.1	176	29.2	29.2	8.1	8.1	25.1	25.1	79.9	80.0	5.3	5.3	6.4		4		91				<0.2		1.6	
						8.1	0.1	180	29.2		8.1		25.1		80.1		5.3		6.5		4		91				<0.2		1.6	
IM8	Cloudy	Moderate	15:20	8.2	Surface	1.0	0.1	120	29.0	29.0	8.0	8.0	21.5	21.5	80.7	80.6	5.5	5.5	4.8	9.5	8	6	86	88	821831	808159	<0.2	<0.2	1.4	1.4
						1.0	0.1	126	29.0		8.0		21.5		80.5		5.5		5.1		7		87				<0.2		1.5	
					Middle	4.1	0.2	95	28.8	28.8	8.0	8.0	23.5	23.5	80.2	80.3	5.4		9.2		5		87				<0.2		1.3	
						4.1	0.2	96	28.8		8.0		23.5		80.4		5.5		9.5		6		88				<0.2		1.4	
					Bottom	7.2	0.2	57	28.7	28.7	8.0	8.0	24.8	24.8	82.3	82.3	5.5	5.6	14.2		5		90				<0.2		1.5	
						7.2	0.2	57	28.7		8.0		24.8		82.3		5.6		14.3		5		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 22 September 20 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	15:26	7.8	Surface	1.0	0.3	107	28.9	28.9	8.0	8.0	22.1	22.2	79.5	79.5	5.4	5.5	5.2	9.0	5	5	86	88	822102	808809	<0.2	<0.2	1.4	1.4
						1.0	0.3	113	28.9		8.0		22.2		79.4		5.4		5.3		6		87				<0.2		1.4	
					Middle	3.9	0.3	100	28.8	28.8	8.0	8.0	22.6	22.6	80.3	80.4	5.5		8.7		5		87				<0.2		1.5	
						3.9	0.3	105	28.8		8.0		22.6		80.5		5.5		9.4		5		88				<0.2		1.4	
					Bottom	6.8	0.2	78	28.8	28.8	8.0	8.0	24.2	24.2	81.8	81.8	5.5	5.5	12.7		5		91				<0.2		1.5	
						6.8	0.3	79	28.8		8.0		24.2		81.8		5.5		12.7		4		90				<0.2		1.3	
IM10	Cloudy	Moderate	15:33	8.1	Surface	1.0	0.5	112	29.1	29.1	8.0	8.0	21.2	21.2	83.3	83.3	5.7	5.5	4.6	10.9	5	5	86	88	822386	809790	<0.2	<0.2	1.5	1.4
						1.0	0.5	122	29.1		8.0		21.2		83.3		5.7		5.0		4		86				<0.2		1.5	
					Middle	4.1	0.6	101	28.7	28.7	8.0	8.0	24.5	24.5	76.8	76.8	5.2		11.6		5		88				<0.2		1.4	
						4.1	0.6	105	28.7		8.0		24.5		76.7		5.2		12.1		5		87				<0.2		1.3	
					Bottom	7.1	0.3	104	28.6	28.6	8.0	8.0	24.9	24.9	76.2	76.3	5.1	5.2	16.1		5		91				<0.2		1.4	
						7.1	0.4	111	28.6		8.0		24.9		76.4		5.2		16.2		4		90				<0.2		1.4	
IM11	Cloudy	Moderate	15:43	7.6	Surface	1.0	0.5	105	28.9	28.9	8.0	8.0	21.7	21.7	79.9	79.8	5.5	5.4	4.5	7.4	4	4	86	88	822041	811461	<0.2	<0.2	1.4	1.4
						1.0	0.6	108	28.9		8.0		21.7		79.7		5.5		4.5		4		86				<0.2		1.4	
					Middle	3.8	0.4	115	28.8	28.8	8.0	8.0	24.1	24.2	78.6	78.6	5.3		6.1		5		87				<0.2		1.4	
						3.8	0.4	121	28.7		8.0		24.2		78.5		5.3		6.6		4		88				<0.2		1.4	
					Bottom	6.6	0.2	110	28.6	28.6	8.0	8.0	24.9	24.9	78.7	78.8	5.3	5.3	11.5		5		90				<0.2		1.4	
						6.6	0.2	118	28.6		8.0		24.9		78.9		5.3		11.4		4		90				<0.2		1.4	
IM12	Cloudy	Moderate	15:50	8.9	Surface	1.0	0.5	107	28.8	28.8	8.0	8.0	22.2	22.2	78.6	78.5	5.4	5.3	5.1	6.1	4	5	86	88	821468	812061	<0.2	<0.2	1.4	1.4
						1.0	0.6	115	28.8		8.0		22.2		78.3		5.3		5.3		4		87				<0.2		1.5	
					Middle	4.5	0.4	107	28.6	28.6	8.0	8.0	25.1	25.1	77.4	77.3	5.2		6.6		5		88				<0.2		1.5	
						4.5	0.4	115	28.6		8.0		25.2		77.2		5.2		6.9		4		89				<0.2		1.4	
					Bottom	7.9	0.2	95	28.6	28.6	8.0	8.0	25.1	25.1	77.9	78.1	5.3	5.3	6.5		5		90				<0.2		1.3	
						7.9	0.2	103	28.6		8.0		25.0		78.2		5.3		6.3		5		90				<0.2		1.4	
SR1A	Cloudy	Moderate	16:10	5.2	Surface	1.0	-	-	28.7	28.7	8.0	8.0	24.6	24.6	82.2	80.1	5.5	5.4	7.4	8.0	4	4	-	-	819975	812663	-	-	-	-
						1.0	-	-	28.7		8.0		24.7		77.9		5.3		7.6		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	28.9	29.0	8.0	8.0	24.6	24.6	78.9	79.0	5.3	5.3	8.6		5		-				-		-	
						4.2	-	-	29.0		8.0		24.5		79.1		5.3		8.5		4		-				-		-	
SR2	Cloudy	Moderate	16:26	4.8	Surface	1.0	0.7	101	29.1	29.1	8.0	8.0	22.7	22.7	86.5	86.5	5.9	5.9	3.4	8.2	4	5	88	89	821478	814169	<0.2	<0.2	1.3	1.3
						1.0	0.7	104	29.1		8.0		22.8		86.5		5.9		3.5		5		89				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.4	48	29.2	29.2	8.0	8.0	23.5	23.5	88.4	88.5	6.0	6.0	13.0		6		90				<0.2		1.3	
						3.8	0.4	52	29.2		8.0		23.5		88.5		6.0		13.0		5		90				<0.2		1.3	
SR3	Cloudy	Moderate	15:13	8.8	Surface	1.0	0.1	198	29.1	29.1	8.0	8.0	21.2	21.2	81.9	81.9	5.6	5.5	4.9	10.4	6	6	-	-	822132	807573	-	-	-	-
						1.0	0.1	200	29.1		8.0		21.2		81.8		5.6		5.0		5		-				-		-	
					Middle	4.4	0.2	171	28.7	28.7	8.0	8.0	23.5	23.6	78.4	78.6	5.3		9.6		6		-				-		-	
						4.4	0.2	181	28.7		8.0		23.6		78.7		5.3		10.3		6		-				-		-	
					Bottom	7.8	0.1	190	28.8	28.8	8.0	8.0	24.4	24.4	80.5	80.5	5.4	5.4	16.3		6		-				-		-	
						7.8	0.1	191	28.7		8.0		24.4		80.5		5.4		16.3		6		-				-		-	
SR4A	Sunny	Calm	16:13	9.8	Surface	1.0	0.3	75	29.6	29.6	8.1	8.1	24.8	24.8	87.1	87.1	5.8	5.7	5.3	6.2	4	4	-	-	817177	807826	-	-	-	-
						1.0	0.3	77	29.6		8.1		24.9		87.1		5.8		5.3		5		-				-		-	
					Middle	4.9	0.3	69	29.3	29.3	8.1	8.1	25.1	25.1	81.9	81.9	5.5		6.2		4		-				-		-	
						4.9	0.3	70	29.3		8.1		25.1		81.8		5.5		6.2		4		-				-		-	
					Bottom	8.8	0.2	67	29.3	29.3	8.1	8.1	25.3	25.3	81.7	81.8	5.4	5.5	7.2		3		-				-		-	
						8.8	0.2	69	29.3		8.1		25.3		81.9		5.5		7.1		4		-				-		-	
SR5A	Sunny	Calm	16:30	3.6	Surface	1.0	0.1	272	29.5	29.5	8.1	8.1	24.4	24.5	82.2	81.9	5.5	5.5	9.6	10.7	6	5	-	-	816578	810697	-	-	-	-
						1.0	0.1	274	29.4		8.1		24.5		81.6		5.4		9.4		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	269	29.4	29.4	8.1	8.1	24.6	24.6	80.0	81.5	5.3	5.4	11.8		4		-				-		-	
						2.6	0.1	278	29.4		8.1		24.6		83.0		5.5		11.8		5		-				-		-	
SR6A	Sunny	Calm	17:06	4.6	Surface	1.0	0.0	95	29.6	29.6	8.1	8.1	24.0	24.0	81.8	81.7	5.5	5.5	9.6	9.7	5	4	-	-	817952	814727	-	-	-	-
						1.0	0.0	98	29.6		8.1		24.0		81.6		5.5		9.5		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	195	29.3	29.3	8.1	8.1	24.3	24.3	76.5	76.5	5.1	5.1	9.9		3		-				-		-	
						3.6	0.0	202	29.3		8.1		24.3		76.5		5.1		10.0		4		-				-		-	
SR7	Cloudy	Moderate	17:13	16.4	Surface	1.0	0.5	74	28.7	28.7	8.1	8.1	26.1	26.1	80.2	80.2	5.4	5.2	10.3	5.6	5	4	-	-	823637	823753	-	-	-	-
						1.0	0.5	80	28.7		8.1		26.1		80.2		5.4		10.3		4		-				-		-	
					Middle	8.2	0.2	54	28.5	28.5	8.1	8.1	26.9	26.9	75.2	75.2	5.0		3.2		3		-				-		-	
						8.2	0.2	58	28.5		8.1		26.9		75.2		5.0		3.2		4		-				-		-	
					Bottom	15.4	0.2	33	28.5	28.5	8.1	8.1	27.0	27.0	77.1	77.2	5.2	5.2	3.2		3		-				-		-	
						15.4	0.2	34	28.5		8.1		27.0		77.3		5.2		3.2		4		-				-		-	
SR8	Cloudy	Moderate	16:00	4.7	Surface	1.0	-	-	29.2	29.2	8.0	8.0	24.2	24.2	82.5	82.4	5.5	5.5	10.3	11.4	8	8	-	-	820404	811642	-	-	-	-
						1.0	-	-	29.2		8.0		24.2		82.3		5.5		10.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	29.1	29.2	8.0	8.0	24.3	24.2	79.7	79.7	5.3	5.3	12.3		8		-				-		-	
						3.7	-	-	29.2		8.0		24.2		79.7		5.3		12.3		9		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 September 20 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Sunny	Moderate	11:00	8.2	Surface	1.0	0.4	61	29.3	29.3	8.1	8.1	24.5	24.6	82.0	81.8	5.5	5.5	5.7	6.3	4	6	85	88	815600	804263	<0.2	<0.2	1.0	1.1
						1.0	0.5	62	29.3		8.1		24.7		81.5		5.5		5.7		4		85				<0.2		1.1	
					Middle	4.1	0.5	49	29.1	29.1	8.1	8.1	25.4	25.4	80.3	80.3	5.4		5.8		5		88				<0.2		1.1	
						4.1	0.6	51	29.1		8.1		25.4		80.2		5.4		6.1		6		88				<0.2		1.1	
					Bottom	7.2	0.4	50	29.1	29.1	8.1	8.1	26.5	26.5	79.6	79.7	5.3	5.3	7.0		8		90				<0.2		1.1	
						7.2	0.4	50	29.1		8.1		26.5		79.7		5.3		7.2		7		91				<0.2		1.1	
C2	Cloudy	Moderate	11:53	12.1	Surface	1.0	0.2	28	29.2	29.2	7.9	7.9	19.3	19.3	77.3	77.2	5.3	5.1	4.2	6.7	4	3	86	88	825678	806942	<0.2	<0.2	1.6	1.3
						1.0	0.2	29	29.2		7.9		19.3		77.1		5.3		4.2		4		87				<0.2		1.7	
					Middle	6.1	0.2	56	28.8	28.8	7.9	7.9	21.8	21.8	71.2	71.3	4.9		6.5		3		87				<0.2		1.2	
						6.1	0.2	58	28.8		7.9		21.8		71.3		4.9		6.5		3		88				<0.2		1.1	
					Bottom	11.1	0.2	346	28.6	28.6	8.0	8.0	24.2	24.2	71.4	71.4	4.8	4.8	9.6		2		90				<0.2		1.2	
						11.1	0.2	318	28.6		8.0		24.3		71.3		4.8		9.3		3		90				<0.2		1.1	
C3	Cloudy	Moderate	10:02	11.5	Surface	1.0	0.7	254	28.6	28.6	8.0	8.0	24.5	24.6	79.1	79.1	5.4	5.2	3.9	6.3	4	4	86	89	822098	817818	<0.2	<0.2	1.1	1.2
						1.0	0.7	256	28.6		8.0		24.6		79.0		5.3		4.0		4		88				<0.2		1.2	
					Middle	5.8	0.6	252	28.5	28.5	8.0	8.0	25.5	25.5	73.6	73.5	5.0		4.4		4		88				<0.2		1.2	
						5.8	0.6	258	28.5		8.0		25.6		73.4		4.9		4.5		4		89				<0.2		1.2	
					Bottom	10.5	0.4	257	28.4	28.4	8.0	8.0	26.8	26.8	74.1	74.3	5.0	5.0	10.3		4		91				<0.2		1.2	
						10.5	0.4	259	28.4		8.0		26.8		74.4		5.0		10.7		4		93				<0.2		1.2	
IM1	Sunny	Calm	11:23	5.2	Surface	1.0	0.2	31	29.4	29.4	8.0	8.0	24.8	24.9	81.5	81.4	5.4	5.4	5.6	6.1	6	6	86	87	817956	807139	<0.2	<0.2	1.0	1.0
						1.0	0.2	32	29.3		8.0		25.0		81.2		5.4		5.8		5		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	331	29.2	29.2	8.0	8.0	25.6	25.6	83.1	83.4	5.5	5.6	6.4		6		88				<0.2		1.0	
						4.2	0.1	342	29.2		8.0		25.6		83.6		5.6		6.5		5		88				<0.2		1.1	
IM2	Sunny	Moderate	11:29	7.2	Surface	1.0	0.3	44	29.2	29.2	8.1	8.1	24.8	24.7	80.9	80.9	5.4	5.3	5.7	7.2	6	6	84	88	818162	806182	<0.2	<0.2	1.0	1.0
						1.0	0.3	46	29.2		8.1		24.7		80.9		5.4		5.8		6		85				<0.2		1.1	
					Middle	3.6	0.3	16	29.1	29.1	8.1	8.1	25.7	25.7	78.0	78.1	5.2		6.9		6		88				<0.2		1.0	
						3.6	0.3	16	29.1		8.1		25.7		78.1		5.2		7.1		5		88				<0.2		1.1	
					Bottom	6.2	0.2	348	29.1	29.1	8.1	8.1	26.0	25.9	79.3	79.4	5.3	5.3	8.9		6		90				<0.2		1.0	
						6.2	0.3	351	29.1		8.1		25.9		79.5		5.3		8.8		5		90				<0.2		1.0	
IM3	Sunny	Moderate	11:36	7.8	Surface	1.0	0.3	346	29.2	29.2	8.0	8.0	24.3	24.3	81.2	81.2	5.4	5.3	5.9	7.4	6	6	84	87	818786	805582	<0.2	<0.2	1.1	1.1
						1.0	0.4	318	29.2		8.0		24.3		81.1		5.4		5.9		6		84				<0.2		1.0	
					Middle	3.9	0.3	304	29.1	29.1	8.1	8.1	25.7	25.8	77.4	77.4	5.2		7.7		6		87				<0.2		1.2	
						3.9	0.3	317	29.1		8.1		25.8		77.4		5.2		7.6		5		87				<0.2		1.2	
					Bottom	6.8	0.2	294	29.1	29.1	8.1	8.1	26.1	26.0	78.0	78.3	5.2	5.2	8.5		5		90				<0.2		1.0	
						6.8	0.2	294	29.1		8.1		26.0		78.5		5.2		8.6		5		90				<0.2		1.2	
IM4	Sunny	Moderate	11:44	8.5	Surface	1.0	0.6	328	29.4	29.4	8.0	8.0	23.9	24.0	84.1	84.1	5.6	5.5	5.8	7.5	5	6	84	87	819741	804627	<0.2	<0.2	1.1	1.1
						1.0	0.6	352	29.4		8.0		24.1		84.0		5.6		6.0		6		84				<0.2		1.2	
					Middle	4.3	0.5	331	29.1	29.1	8.0	8.0	25.6	25.6	78.9	78.9	5.3		8.0		7		88				<0.2		1.1	
						4.3	0.5	354	29.1		8.0		25.6		78.9		5.3		8.0		6		88				<0.2		1.2	
					Bottom	7.5	0.4	325	29.1	29.1	8.0	8.0	25.6	25.6	79.9	80.1	5.3	5.4	8.6		7		90				<0.2		1.1	
						7.5	0.4	351	29.1		8.0		25.6		80.3		5.4		8.7		7		90				<0.2		1.0	
IM5	Sunny	Moderate	11:50	8.0	Surface	1.0	0.7	5	29.3	29.3	8.0	8.0	24.6	24.6	80.8	80.9	5.4	5.3	9.7	11.2	6	6	85	98	820721	804880	<0.2	<0.2	1.1	1.1
						1.0	0.8	5	29.3		8.0		24.6		80.9		5.4		9.7		4		88				<0.2		1.1	
					Middle	4.0	0.6	4	29.1	29.1	8.1	8.1	25.5	25.5	78.3	78.3	5.2		11.5		6		88				<0.2		1.1	
						4.0	0.6	4	29.1		8.1		25.6		78.3		5.2		11.7		6		89				<0.2		1.2	
					Bottom	7.0	0.5	3	29.1	29.1	8.1	8.1	25.6	25.6	79.1	79.3	5.3	5.3	12.3		7		118				<0.2		1.1	
						7.0	0.5	3	29.1		8.1		25.6		79.5		5.3		12.5		6		118				<0.2		1.2	
IM6	Sunny	Moderate	11:57	7.6	Surface	1.0	0.1	184	29.6	29.6	8.1	8.1	20.9	20.9	81.1	81.1	5.5	5.5	4.9	6.8	7	6	83	93	821047	805824	<0.2	<0.2	1.2	1.2
						1.0	0.1	190	29.6		8.1		21.0		81.1		5.5		5.0		6		83				<0.2		1.1	
					Middle	3.8	0.2	92	29.3	29.3	8.1	8.1	24.6	24.5	80.2	80.3	5.4		7.3		6		87				<0.2		1.2	
						3.8	0.3	92	29.3		8.1		24.5		80.3		5.4		7.3		5		87				<0.2		1.2	
					Bottom	6.6	0.3	87	29.3	29.4	8.2	8.2	24.9	24.9	80.0	80.2	5.3	5.4	8.0		5		106				<0.2		1.2	
						6.6	0.3	87	29.4		8.2		24.9		80.3		5.4		8.1		6		110				<0.2		1.2	
IM7	Sunny	Moderate	12:06	8.8	Surface	1.0	0.2	273	29.7	29.7	8.0	8.0	20.2	20.2	79.8	79.8	5.4	5.4	4.0	5.6	5	5	84	88	821326	806844	<0.2	<0.2	1.2	1.2
						1.0	0.2	286	29.7		8.0		20.3		79.7		5.4		4.0		6		84				<0.2		1.2	
					Middle	4.4	0.1	166	29.3	29.3	8.1	8.1	24.1	24.1	79.9	79.9	5.4		5.1		6		88				<0.2		1.2	
						4.4	0.1	180	29.3		8.1		24.1		79.8		5.4		5.3		5		88				<0.2		1.2	
					Bottom	7.8	0.1	84	29.2	29.2	8.1	8.1	24.9	24.9	79.6	79.8	5.3	5.3	7.7		5		90				<0.2		1.2	
						7.8	0.1	88	29.2		8.1		24.9		80.0		5.3		7.6		4		91				<0.2		1.4	
IM8	Cloudy	Moderate	11:26	7.6	Surface	1.0	0.2	50	28.9	28.9	7.9	7.9	21.0	21.0	79.9	79.9	5.5	5.5	5.9	6.9	6	5	86	89	821823	808126	<0.2	<0.2	1.6	1.4
						1.0	0.2	50	28.9		7.9		21.1		79.8		5.5		6.1		5		88				<0.2		1.7	
					Middle	3.8	0.2	62	28.8	28.8	7.9	7.9	21.3	21.3	79.1	79.2	5.4		7.4		5		89				<0.2		1.4	
						3.8	0.2	65	28.7		7.9		21.3		79.2		5.4		7.5		4		88				<0.2		1.2	
					Bottom	6.6	0.2	100	28.7	28.7	7.9	7.9	21.4	21.4	80.9	81.0	5.6	5.6	7.1		5		90				<0.2		1.3	
						6.6	0.2	105	28.7		8.0		21.5		81.1		5.6		7.5		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 22 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:20	7.6	Surface	1.0	0.3	100	28.9	28.9	8.0	8.0	21.8	21.8	81.2	81.2	5.5	5.5	5.0	6.8	4	4	86	88	822100	808804	<0.2	<0.2	1.4	1.3
						1.0	0.3	100	28.9		8.0		21.8		81.1		5.5		5.2		5		87				<0.2		1.5	
					Middle	3.8	0.2	106	28.8	28.8	8.0	8.0	22.2	22.2	80.3	80.4	5.5		7.3		4		88				<0.2		1.1	
						3.8	0.2	106	28.8		8.0		22.2		80.4		5.5		7.5		4		88				<0.2		1.2	
					Bottom	6.6	0.2	124	28.8	28.8	8.0	8.0	22.2	22.2	81.2	81.2	5.5	5.5	7.8		4		90				<0.2		1.2	
						6.6	0.2	131	28.8		8.0		22.2		81.2		5.5		7.8		4		90				<0.2		1.4	
IM10	Cloudy	Moderate	11:12	7.6	Surface	1.0	0.6	298	28.9	28.9	8.0	8.0	22.8	22.8	83.3	83.2	5.7	5.6	6.7	10.1	7	5	86	88	822387	809783	<0.2	<0.2	1.4	1.3
						1.0	0.6	298	28.8		8.0		22.8		83.1		5.7		7.4		6		86				<0.2		1.4	
					Middle	3.8	0.5	301	28.7	28.7	8.0	8.0	23.2	23.2	78.8	78.8	5.4		10.5		6		88				<0.2		1.3	
						3.8	0.5	323	28.7		8.0		23.2		78.7		5.4		11.0		5		89				<0.2		1.2	
					Bottom	6.6	0.3	294	28.7	28.7	8.0	8.0	23.3	23.3	79.3	79.4	5.4	5.4	12.0		4		90				<0.2		1.2	
						6.6	0.3	300	28.7		8.0		23.3		79.4		5.4		13.0		4		90				<0.2		1.4	
IM11	Cloudy	Moderate	11:02	8.2	Surface	1.0	0.4	299	28.6	28.6	8.0	8.0	24.3	24.3	75.8	75.7	5.1	5.1	10.3	11.9	10	9	86	89	822040	811464	<0.2	<0.2	1.1	1.2
						1.0	0.4	306	28.6		8.0		24.4		75.6		5.1		10.5		9		88				<0.2		1.1	
					Middle	4.1	0.3	281	28.5	28.5	8.0	8.0	24.8	24.8	75.0	75.1	5.1		14.6		9		89				<0.2		1.2	
						4.1	0.3	301	28.5		8.0		24.8		75.2		5.1		14.7		9		91				<0.2		1.2	
					Bottom	7.2	0.2	279	28.5	28.5	8.0	8.0	24.9	24.9	76.1	76.1	5.1	5.2	10.8		9		90				<0.2		1.3	
						7.2	0.2	299	28.5		8.0		24.9		76.1		5.2		10.4		8		91				<0.2		1.2	
IM12	Cloudy	Moderate	10:55	9.0	Surface	1.0	0.6	270	28.6	28.6	8.0	8.0	24.2	24.2	78.3	78.3	5.3	5.3	11.2	12.5	15	14	86	88	821451	812035	<0.2	<0.2	1.2	1.2
						1.0	0.6	282	28.6		8.0		24.2		78.3		5.3		11.0		14		87				<0.2		1.2	
					Middle	4.5	0.5	273	28.6	28.6	8.0	8.0	24.3	24.3	77.8	77.9	5.3		13.5		14		88				<0.2		1.1	
						4.5	0.5	291	28.6		8.0		24.3		77.9		5.3		14.1		14		87				<0.2		1.2	
					Bottom	8.0	0.3	276	28.6	28.6	8.0	8.0	24.4	24.4	80.0	80.1	5.4	5.4	12.9		13		90				<0.2		1.3	
						8.0	0.4	293	28.6		8.0		24.4		80.1		5.4		12.5		12		90				<0.2		1.1	
SR1A	Cloudy	Moderate	10:35	5.4	Surface	1.0	-	-	28.7	28.7	8.0	8.0	23.7	23.7	80.5	80.5	5.5	5.5	5.3	5.6	5	4	-	-	819977	812653	-	-	-	-
						1.0	-	-	28.7		8.0		23.7		80.4		5.5		5.4		5		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	28.6	28.6	8.0	8.0	23.9	23.9	80.9	81.1	5.5	5.5	5.9		3		-				-		-	
						4.4	-	-	28.5		8.1		23.9		81.3		5.5		5.8		4		-				-		-	
SR2	Cloudy	Moderate	10:22	4.3	Surface	1.0	0.2	332	28.6	28.6	8.0	8.0	24.2	24.2	81.1	81.2	5.5	5.5	11.1	12.3	8	9	86	88	821459	814151	<0.2	<0.2	1.1	1.2
						1.0	0.2	305	28.6		8.0		24.2		81.2		5.5		11.2		9		88				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	29	28.5	28.5	8.1	8.1	24.4	24.4	85.0	85.2	5.8	5.8	13.9		8		89				<0.2		1.3	
						3.3	0.0	29	28.5		8.1		24.4		85.4		5.8		12.9		9		90				<0.2		1.2	
SR3	Cloudy	Moderate	11:32	9.2	Surface	1.0	0.1	72	29.1	29.1	7.9	7.9	20.6	20.6	80.5	80.6	5.5	5.4	3.6	5.1	2	4	-	-	822139	807563	-	-	-	-
						1.0	0.1	77	29.0		7.9		20.6		80.6		5.5		3.6		4		-				-		-	
					Middle	4.6	0.2	99	28.7	28.7	7.9	7.9	21.3	21.4	76.3	76.4	5.2		5.3		3		-				-		-	
						4.6	0.2	100	28.7		7.9		21.4		76.5		5.3		5.4		4		-				-		-	
					Bottom	8.2	0.2	107	28.7	28.7	7.9	7.9	21.6	21.6	77.7	77.8	5.3	5.3	6.3		5		-				-		-	
						8.2	0.2	107	28.7		7.9		21.6		77.8		5.3		6.3		5		-				-		-	
SR4A	Sunny	Calm	10:38	9.4	Surface	1.0	0.1	125	29.2	29.2	8.1	8.1	24.6	24.6	78.1	78.1	5.2	5.2	6.2	7.5	8	8	-	-	817200	807809	-	-	-	-
						1.0	0.1	136	29.2		8.1		24.6		78.0		5.2		6.2		8		-				-		-	
					Middle	4.7	0.2	95	29.0	29.0	8.1	8.1	25.0	25.0	76.1	76.2	5.1		7.5		8		-				-		-	
						4.7	0.2	96	29.0		8.1		25.0		76.2		5.1		7.7		7		-				-		-	
					Bottom	8.4	0.2	87	29.1	29.1	8.1	8.1	25.7	25.7	76.9	77.0	5.1	5.1	8.6		7		-				-		-	
						8.4	0.3	92	29.1		8.1		25.7		77.0		5.1		8.9		7		-				-		-	
SR5A	Sunny	Calm	10:22	3.5	Surface	1.0	0.1	331	29.1	29.1	8.0	8.0	24.5	24.5	77.0	77.0	5.2	5.2	10.5	10.7	7	7	-	-	816569	810684	-	-	-	-
						1.0	0.1	356	29.1		8.0		24.5		77.0		5.2		10.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	339	29.1	29.1	8.1	8.1	24.5	24.5	77.7	77.8	5.2	5.2	10.9		8		-				-		-	
						2.5	0.1	312	29.1		8.1		24.5		77.8		5.2		11.0		7		-				-		-	
SR6A	Sunny	Calm	09:45	4.6	Surface	1.0	0.0	188	29.1	29.1	8.1	8.1	24.5	24.5	74.8	74.5	5.0	5.0	11.0	12.6	7	7	-	-	817947	814745	-	-	-	-
						1.0	0.0	196	29.1		8.1		24.5		74.2		5.0		11.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	189	29.1	29.1	8.1	8.1	24.9	24.9	73.0	73.1	4.9	4.9	14.0		6		-				-		-	
						3.6	0.0	192	29.1		8.1		24.9		73.1		4.9		14.2		7		-				-		-	
SR7	Cloudy	Moderate	09:28	16.5	Surface	1.0	0.1	339	28.5	28.5	7.9	7.9	25.0	25.1	75.8	75.8	5.3	5.0	4.3	5.4	4	5	-	-	823615	823737	-	-	-	-
						1.0	0.1	312	28.5		7.9		25.1		75.7		5.3		4.4		5		-				-		-	
					Middle	8.3	0.4	26	28.5	28.5	7.9	7.9	25.7	25.7	74.8	74.8	4.6		5.1		4		-				-		-	
						8.3	0.4	28	28.5		7.9		25.7		74.8		4.6		5.2		5		-				-		-	
					Bottom	15.5	0.4	35	28.4	28.4	7.8	7.8	26.7	26.6	76.4	76.6	4.3	4.3	6.6		5		-				-		-	
						15.5	0.4	35	28.4		7.8		26.6		76.8		4.4		6.5		4		-				-		-	
SR8	Cloudy	Moderate	10:45	4.8	Surface	1.0	-	-	28.7	28.7	8.0	8.0	23.2	23.2	81.0	81.1	5.5	5.5	13.0	12.1	19	18	-	-	820398	811641	-	-	-	-
						1.0	-	-	28.7		8.0		23.2		81.2		5.5		12.3		20		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	28.6	28.6	8.0	8.0	23.5	23.5	83.1	83.2	5.7	5.7	11.1		16		-				-		-	
						3.8	-	-	28.6		8.0		23.5		83.3		5.7		11.8		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 24 September 20 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Rainy	Moderate	05:50	9.2	Surface	1.0	0.6	196	29.5	29.5	7.9	7.9	20.2	20.2	90.8	90.8	6.2	5.9	1.0	2.4	3	3	86	88	815638	804233	<0.2	<0.2	1.5	1.5
						1.0	0.6	202	29.5		7.9		20.3		90.8		6.2		1.0		3		86				<0.2		1.6	
					Middle	4.6	0.4	237	29.4	29.3	7.9	7.9	25.9	25.9	84.4	84.5	5.6		2.4		3		88				<0.2		1.5	
						4.6	0.4	257	29.3		7.9		26.0		84.6		5.6		2.5		2		88				<0.2		1.6	
					Bottom	8.2	0.4	229	29.1	29.1	8.0	8.0	30.0	30.0	85.5	85.6	5.6	5.6	3.7		3		90				<0.2		1.5	
						8.2	0.4	238	29.1		8.0		30.0		85.7		5.6		3.6		2		90				<0.2		1.5	
C2	Cloudy	Moderate	07:23	11.2	Surface	1.0	1.0	192	28.9	28.9	7.9	7.9	13.9	14.0	81.6	81.6	5.8	5.4	4.8	4.1	3	4	84	87	825694	806927	<0.2	<0.2	1.8	1.9
						1.0	1.1	200	28.9		7.9		14.0		81.6		5.8		4.8		4		85				<0.2		1.9	
					Middle	5.6	0.4	198	28.8	28.8	7.9	7.9	24.9	24.9	74.0	74.1	5.0		3.4		3		86				<0.2		1.9	
						5.6	0.5	215	28.8		7.9		24.9		74.1		5.0		3.3		4		87				<0.2		2.0	
					Bottom	10.2	0.2	170	28.7	28.7	7.9	7.9	25.5	25.5	73.9	74.0	5.0	5.0	4.3		4		89				<0.2		1.9	
						10.2	0.3	178	28.7		7.9		25.5		74.1		5.0		4.3		5		89				<0.2		1.9	
C3	Cloudy	Moderate	04:51	12.5	Surface	1.0	0.3	96	28.8	28.8	7.9	7.9	24.4	24.4	78.1	78.1	5.3	5.3	2.6	3.8	2	3	85	88	822120	817814	<0.2	<0.2	1.2	1.2
						1.0	0.3	98	28.8		7.9		24.4		78.1		5.3		2.6		2		86				<0.2		1.1	
					Middle	6.3	0.3	86	28.8	28.8	8.0	8.0	25.4	25.4	77.5	77.5	5.2		2.4		2		88				<0.2		1.3	
						6.3	0.3	91	28.8		8.0		25.4		77.4		5.2		2.4		2		88				<0.2		1.2	
					Bottom	11.5	0.2	91	28.6	28.6	8.0	8.0	27.3	27.3	75.0	75.0	5.0	5.0	6.6		3		91				<0.2		1.1	
						11.5	0.3	97	28.6		8.0		27.3		75.0		5.0		6.5		4		90				<0.2		1.1	
IM1	Cloudy	Moderate	06:15	5.2	Surface	1.0	0.1	206	29.3	29.3	7.9	7.9	25.1	25.1	81.6	81.6	5.4	5.4	4.4	5.2	3	3	85	87	817927	807150	<0.2	<0.2	1.4	1.4
						1.0	0.1	213	29.3		7.9		25.2		81.6		5.4		4.4		3		85				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	224	29.1	29.1	7.9	7.9	29.0	29.0	84.8	85.0	5.6	5.6	5.9		3		88				<0.2		1.2	
						4.2	0.1	224	29.1		7.9		29.0		85.1		5.6		5.9		4		89				<0.2		1.4	
IM2	Cloudy	Moderate	06:23	7.0	Surface	1.0	0.1	129	29.5	29.5	7.9	7.9	25.3	25.3	85.4	85.4	5.7	5.5	2.0	4.2	3	4	85	88	818161	806175	<0.2	<0.2	1.2	1.2
						1.0	0.1	140	29.5		7.9		25.3		85.4		5.7		2.0		4		85				<0.2		1.3	
					Middle	3.5	0.2	120	29.1	29.1	8.0	8.0	28.7	28.7	81.4	81.4	5.3		3.9		4		89				<0.2		1.2	
						3.5	0.2	124	29.1		8.0		28.7		81.4		5.3		4.0		4		89				<0.2		1.3	
					Bottom	6.0	0.1	88	29.1	29.1	8.0	8.0	29.5	29.5	81.4	81.5	5.3	5.3	6.5		4		89				<0.2		1.2	
						6.0	0.1	95	29.1		8.0		29.5		81.5		5.3		6.5		4		90				<0.2		1.0	
IM3	Cloudy	Moderate	06:31	7.2	Surface	1.0	0.1	187	29.5	29.5	7.9	7.9	24.9	24.9	87.0	86.8	5.8	5.6	2.4	5.3	3	4	85	88	818779	805598	<0.2	<0.2	1.0	1.1
						1.0	0.1	194	29.5		7.9		24.9		86.5		5.8		2.5		3		85				<0.2		1.0	
					Middle	3.6	0.1	166	29.4	29.4	7.9	7.9	25.7	25.7	80.7	80.7	5.4		5.0		3		88				<0.2		1.1	
						3.6	0.1	170	29.4		7.9		25.7		80.7		5.4		5.1		4		89				<0.2		1.2	
					Bottom	6.2	0.2	86	29.1	29.1	8.0	8.0	29.2	29.2	80.6	80.6	5.3	5.3	8.3		4		90				<0.2		1.1	
						6.2	0.2	89	29.1		8.0		29.2		80.6		5.3		8.4		4		91				<0.2		1.1	
IM4	Cloudy	Moderate	06:44	7.4	Surface	1.0	1.1	195	29.5	29.5	7.8	7.8	19.1	19.1	88.9	89.0	6.1	5.9	1.7	5.5	3	5	86	89	819707	804615	<0.2	<0.2	1.1	1.1
						1.0	1.1	205	29.5		7.8		19.2		89.0		6.1		1.8		4		86				<0.2		1.1	
					Middle	3.7	1.0	197	29.6	29.6	7.9	7.9	23.0	22.9	84.8	84.7	5.7		5.4		4		89				<0.2		1.0	
						3.7	1.0	209	29.6		7.9		22.8		84.5		5.7		5.7		5		89				<0.2		1.1	
					Bottom	6.4	0.5	179	29.5	29.5	7.9	7.9	24.4	24.5	83.3	83.4	5.6	5.6	9.1		6		90				<0.2		1.0	
						6.4	0.6	190	29.5		7.9		24.6		83.4		5.6		9.3		5		91				<0.2		1.2	
IM5	Cloudy	Moderate	06:59	7.5	Surface	1.0	1.0	204	29.5	29.5	7.8	7.8	16.2	16.2	88.3	88.4	6.2	6.0	1.8	3.4	4	3	85	88	820731	804868	<0.2	<0.2	1.7	1.6
						1.0	1.0	210	29.5		7.8		16.2		88.4		6.2		1.8		3		85				<0.2		1.6	
					Middle	3.8	0.9	223	29.6	29.6	7.9	7.9	21.8	21.8	85.8	85.8	5.8		2.6		3		88				<0.2		1.6	
						3.8	0.9	233	29.6		7.9		21.8		85.8		5.8		2.6		3		89				<0.2		1.6	
					Bottom	6.5	0.5	211	29.4	29.4	7.9	7.9	25.1	25.1	82.2	82.2	5.5	5.5	5.9		3		90				<0.2		1.6	
						6.5	0.5	227	29.4		7.9		25.1		82.1		5.5		5.9		2		90				<0.2		1.7	
IM6	Cloudy	Moderate	07:11	7.1	Surface	1.0	0.5	246	29.5	29.5	7.9	7.9	21.8	21.8	89.0	89.0	6.0	6.0	1.3	4.4	3	3	85	88	821036	805841	<0.2	<0.2	1.3	1.4
						1.0	0.6	247	29.5		7.9		21.8		89.0		6.0		1.4		4		86				<0.2		1.4	
					Middle	3.6	0.5	243	29.5	29.5	7.9	7.9	21.8	21.8	87.3	87.3	5.9		2.8		3		89				<0.2		1.5	
						3.6	0.5	264	29.5		7.9		21.8		87.3		5.9		2.9		3		89				<0.2		1.3	
					Bottom	6.1	0.5	243	29.4	29.4	7.9	7.9	25.0	25.0	83.3	83.4	5.5	5.6	9.0		3		90				<0.2		1.3	
						6.1	0.5	256	29.4		7.9		25.1		83.4		5.6		9.1		3		91				<0.2		1.3	
IM7	Cloudy	Moderate	07:21	8.4	Surface	1.0	0.6	245	29.5	29.5	7.8	7.8	21.8	21.8	86.8	86.8	5.9	5.9	1.2	1.3	3	3	86	89	821349	806815	<0.2	<0.2	1.3	1.5
						1.0	0.6	247	29.5		7.8		21.8		86.8		5.9		1.2		3		86				<0.2		1.4	
					Middle	4.2	0.6	258	29.5	29.5	7.8	7.8	22.2	22.2	86.1	86.2	5.8		1.2		4		89				<0.2		1.5	
						4.2	0.6	267	29.5		7.8		22.2		86.3		5.8		1.2		3		90				<0.2		1.6	
					Bottom	7.4	0.3	253	29.5	29.5	7.9	7.9	22.8	23.1	84.9	84.8	5.7	5.7	1.5		4		90				<0.2		1.4	
						7.4	0.3	269	29.5		7.9		23.3		84.7		5.7		1.5		3		91				<0.2		1.5	
IM8	Cloudy	Moderate	06:46	7.8	Surface	1.0	0.3	172	29.0	29.0	7.9	7.9	20.6	20.6	84.3	84.3	5.8	5.8	2.9	3.5	3	3	84	87	821837	808147	<0.2	<0.2	1.3	1.4
						1.0	0.3	178	29.0		7.9		20.7		84.2		5.8		2.9		3		84				<0.2		1.4	
					Middle	3.9	0.2	171	29.1	29.1	7.9	7.9	21.2	21.2	83.0	83.0	5.7		3.1		3		87				<0.2		1.4	
						3.9	0.2	182	29.1		7.9		21.2		83.0		5.7		3.1		3		86				<0.2		1.4	
					Bottom	6.8	0.0	129	28.9	28.9	8.0	8.0	23.7	23.7	80.0	80.1	5.4	5.4	4.7		3		89				<0.2		1.5	
						6.8	0.0	140	28.9		8.0		23.7		80.2		5.4		4.6		4		89				<0.2		1.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (℃)		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	06:39	7.2	Surface	1.0	0.4	132	29.0	29.0	7.9	7.9	20.8	20.8	84.7	84.7	5.8	5.8	2.9	4.7	5	3	85	87	822098	808796	<0.2	<0.2	1.4	1.4
						1.0	0.4	145	29.0		7.9		20.8		84.6		5.8		2.9		4		84				<0.2		1.3	
					Middle	3.6	0.4	118	29.0	29.0	7.9	7.9	21.3	21.3	82.7	82.7	5.7		3.2		3		87				<0.2		1.5	
						3.6	0.4	119	29.0		7.9		21.3		82.6		5.7		3.2		2		86				<0.2		1.4	
					Bottom	6.2	0.3	93	29.0	29.0	8.0	7.9	22.9	22.9	80.8	80.8	5.5	5.5	7.8		2		89				<0.2		1.3	
						6.2	0.3	93	29.0		7.9		22.9		80.8		5.5		7.9		2		89				<0.2		1.5	
IM10	Cloudy	Moderate	06:28	7.3	Surface	1.0	0.6	113	29.1	29.1	7.9	7.9	21.4	21.4	81.6	81.6	5.6	5.5	2.9	4.8	2	2	84	87	822366	809793	<0.2	<0.2	1.5	1.5
						1.0	0.6	123	29.1		7.9		21.4		81.6		5.6		2.9		2		85				<0.2		1.5	
					Middle	3.7	0.5	104	29.0	29.0	8.0	8.0	22.6	22.6	79.5	79.5	5.4		4.3		2		87				<0.2		1.4	
						3.7	0.5	105	29.0		8.0		22.6		79.5		5.4		4.4		2		86				<0.2		1.5	
					Bottom	6.3	0.4	119	28.9	28.9	8.0	8.0	23.4	23.4	80.3	80.4	5.4	5.4	7.3		2		88				<0.2		1.4	
						6.3	0.4	120	28.9		8.0		23.4		80.4		5.4		7.3		2		89				<0.2		1.4	
IM11	Rainy	Moderate	06:14	7.4	Surface	1.0	0.7	132	29.1	29.1	8.0	8.0	19.9	19.9	86.9	86.9	6.0	5.7	2.5	5.5	4	3	84	86	822056	811457	<0.2	<0.2	1.4	1.5
						1.0	0.7	144	29.1		8.0		20.0		86.8		6.0		2.5		4		85				<0.2		1.3	
					Middle	3.7	0.5	127	29.0	29.0	8.0	8.0	23.0	23.0	79.9	79.9	5.4		5.5		2		86				<0.2		1.5	
						3.7	0.5	127	29.0		8.0		23.0		79.9		5.4		5.8		3		87				<0.2		1.5	
					Bottom	6.4	0.4	133	29.0	29.0	7.9	7.9	23.2	23.2	80.9	81.0	5.5	5.5	8.2		<2		88				<0.2		1.5	
						6.4	0.4	138	29.0		7.9		23.2		81.1		5.5		8.4		<2		88				<0.2		1.5	
IM12	Rainy	Moderate	06:05	9.7	Surface	1.0	0.6	128	29.1	29.1	7.9	7.9	21.7	21.7	82.1	82.1	5.6	5.5	3.0	5.6	2	3	85	87	821467	812060	<0.2	<0.2	1.5	1.4
						1.0	0.6	138	29.1		7.9		21.7		82.1		5.6		3.1		3		84				<0.2		1.4	
					Middle	4.9	0.5	130	29.0	29.0	7.9	7.9	22.7	22.7	77.8	77.9	5.3		5.1		4		87				<0.2		1.5	
						4.9	0.5	134	29.0		7.9		22.7		77.9		5.3		5.1		2		86				<0.2		1.4	
					Bottom	8.7	0.3	116	28.8	28.8	7.9	7.9	24.4	24.4	74.5	74.6	5.0	5.0	8.8		4		89				<0.2		1.4	
						8.7	0.3	125	28.8		7.9		24.4		74.7		5.0		8.8		2		89				<0.2		1.4	
SR1A	Rainy	Calm	05:36	5.4	Surface	1.0	-	-	28.9	28.9	7.9	7.9	22.3	22.3	79.6	79.6	5.4	5.4	4.8	5.0	5	5	-	-	819976	812655	-	-	-	-
						1.0	-	-	28.9		7.9		22.3		79.6		5.4		4.9		5		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	28.8	28.8	7.9	7.9	24.9	24.9	73.9	74.0	5.0	5.0	5.2		6		-				-		-	
						4.4	-	-	28.8		7.9		24.9		74.0		5.0		5.1		5		-				-		-	
SR2	Rainy	Moderate	05:19	5.0	Surface	1.0	0.3	91	28.9	28.9	7.9	7.9	23.2	23.2	78.8	78.8	5.3	5.3	3.4	3.5	2	2	86	87	821477	814172	<0.2	<0.2	1.4	1.3
						1.0	0.4	99	28.9		7.9		23.2		78.8		5.3		3.4		2		86				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	66	28.9	28.9	7.9	7.9	23.8	23.8	80.6	80.8	5.5	5.5	3.6		3		88				<0.2		1.2	
						4.0	0.2	70	28.9		7.9		23.8		80.9		5.5		3.6		2		89				<0.2		1.4	
SR3	Cloudy	Moderate	06:53	9.0	Surface	1.0	0.5	190	29.0	29.0	7.9	7.9	20.1	20.1	85.5	85.5	5.9	5.7	2.6	4.3	2	3	-	-	822149	807586	-	-	-	-
						1.0	0.5	201	29.0		7.9		20.1		85.5		5.9		2.7		2		-				-		-	
					Middle	4.5	0.2	221	29.0	29.0	7.9	7.9	21.9	21.9	80.1	80.1	5.5		3.3		2		-				-		-	
						4.5	0.2	222	29.0		7.9		21.9		80.1		5.5		3.3		3		-				-		-	
					Bottom	8.0	0.1	308	28.9	28.9	8.0	8.0	24.4	24.4	77.6	77.6	5.2	5.2	6.9		3		-				-		-	
						8.0	0.1	336	28.9		8.0		24.4		77.6		5.2		6.8		4		-				-		-	
SR4A	Rainy	Calm	05:28	8.9	Surface	1.0	0.1	82	29.5	29.4	7.9	7.9	24.2	24.2	83.7	83.3	5.6	5.4	2.6	5.2	3	3	-	-	817167	807825	-	-	-	-
						1.0	0.1	85	29.4		7.9		24.2		82.9		5.5		2.9		3		-				-		-	
					Middle	4.5	0.2	60	29.1	29.1	7.9	7.9	28.1	28.1	79.3	79.3	5.2		6.0		4		-				-		-	
						4.5	0.2	63	29.1		7.9		28.1		79.3		5.2		6.1		3		-				-		-	
					Bottom	7.9	0.1	68	29.1	29.1	7.9	7.9	28.6	28.6	80.7	80.9	5.3	5.3	6.8		3		-				-		-	
						7.9	0.1	70	29.1		7.9		28.6		81.0		5.3		6.5		4		-				-		-	
SR5A	Rainy	Calm	05:09	3.7	Surface	1.0	0.1	12	29.6	29.6	7.9	7.9	24.5	24.5	85.7	85.7	5.7	5.7	2.0	2.3	2	3	-	-	816580	810672	-	-	-	-
						1.0	0.1	12	29.6		7.9		24.5		85.7		5.7		2.0		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	31	29.8	29.8	7.8	7.8	25.1	25.1	86.8	86.9	5.7	5.8	2.6		4		-				-		-	
						2.7	0.1	31	29.8		7.8		25.1		87.0		5.8		2.6		4		-				-		-	
SR6A	Rainy	Moderate	04:38	5.0	Surface	1.0	0.0	171	29.4	29.4	7.8	7.8	24.8	24.8	78.2	78.1	5.2	5.2	4.0	5.1	4	4	-	-	817966	814732	-	-	-	-
						1.0	0.0	172	29.4		7.8		24.8		78.0		5.2		4.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	232	29.3	29.3	7.8	7.8	25.4	25.4	76.3	76.4	5.1	5.1	6.1		4		-				-		-	
						4.0	0.0	235	29.3		7.8		25.4		76.5		5.1		6.2		4		-				-		-	
SR7	Cloudy	Moderate	04:14	15.3	Surface	1.0	0.4	91	28.8	28.8	7.9	7.9	24.6	24.5	84.4	84.4	5.7	5.5	1.3	2.0	3	2	-	-	823628	823746	-	-	-	-
						1.0	0.4	93	28.8		7.9		24.5		84.4		5.7		1.3		3		-				-		-	
					Middle	7.7	0.1	64	28.7	28.7	7.9	7.9	26.3	26.3	79.2	79.2	5.3		2.3		2		-				-		-	
						7.7	0.1	69	28.7		7.9		26.3		79.2		5.3		2.2		2		-				-		-	
					Bottom	14.3	0.1	52	28.7	28.7	7.9	7.9	26.7	26.7	78.6	78.6	5.2	5.2	2.5		<2		-				-		-	
						14.3	0.1	55	28.7		7.9		26.7		78.6		5.2		2.5		<2		-				-		-	
SR8	Rainy	Moderate	05:50	5.1	Surface	1.0	-	-	29.0	29.0	7.9	7.9	21.2	21.2	83.0	83.0	5.7	5.7	9.3	8.1	9	8	-	-	820377	811613	-	-	-	-
						1.0	-	-	29.0		7.9		21.2		83.0		5.7		9.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	29.7	29.7	7.9	7.9	22.1	22.1	85.3	85.3	5.7	5.7	6.9		7		-				-		-	
						4.1	-	-	29.7		7.9		22.1		85.3		5.7		7.1		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 24 September 20 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
C1	Cloudy	Moderate	18:03	8.2	Surface	1.0	0.3	38	29.6	29.6	7.9	7.9	21.8	21.8	87.3	87.3	5.9	5.7	4.9	7.9	5	5	87	89	815596	804237	<0.2	<0.2	1.2	1.3
						1.0	0.3	38	29.6		7.9		21.8		87.3		5.9		5.0		6		87				<0.2		1.2	
					Middle	4.1	0.4	34	29.3	29.3	8.0	8.0	26.4	26.4	83.0	82.9	5.5		7.2		6		89				<0.2		1.3	
						4.1	0.4	34	29.3		8.0		26.4		82.8		5.5		7.5		4		90				<0.2		1.2	
					Bottom	7.2	0.2	21	29.1	29.1	8.0	8.0	29.5	29.5	83.4	83.4	5.4	5.4	11.5		5		91				<0.2		1.3	
						7.2	0.3	21	29.1		8.0		29.5		83.3		5.4		11.5		5		91				<0.2		1.4	
C2	Fine	Moderate	16:48	11.1	Surface	1.0	0.2	202	29.3	29.3	7.9	7.9	17.3	17.4	74.7	74.6	5.2	5.0	4.5	5.7	5	4	85	87	825672	806940	<0.2	<0.2	2.0	2.1
						1.0	0.2	213	29.3		7.9		17.5		74.4		5.2		4.5		4		85				<0.2		2.0	
					Middle	5.6	0.2	329	28.8	28.8	7.9	7.9	23.8	23.8	71.2	71.3	4.8		4.4		3		87				<0.2		2.1	
						5.6	0.2	341	28.8		7.9		23.8		71.3		4.8		4.4		4		87				<0.2		2.0	
					Bottom	10.1	0.3	329	28.8	28.8	8.0	8.0	24.5	24.5	72.7	72.8	4.9	4.9	8.3		3		89				<0.2		2.2	
						10.1	0.3	356	28.8		8.0		24.5		72.9		4.9		8.2		3		89				<0.2		2.1	
C3	Cloudy	Moderate	18:50	12.2	Surface	1.0	0.3	234	29.2	29.2	8.0	8.0	23.4	23.4	82.0	82.0	5.5	5.3	2.3	3.2	4	4	86	88	822098	817789	<0.2	<0.2	1.3	1.3
						1.0	0.3	246	29.2		8.0		23.4		82.0		5.5		2.3		3		86				<0.2		1.3	
					Middle	6.1	0.3	259	28.7	28.7	8.0	8.0	25.9	26.0	76.3	76.3	5.1		2.3		3		88				<0.2		1.2	
						6.1	0.3	268	28.7		8.0		26.0		76.2		5.1		2.3		4		88				<0.2		1.4	
					Bottom	11.2	0.3	302	28.6	28.6	8.0	8.0	27.6	27.6	75.2	75.2	5.0	5.0	5.0		4		91				<0.2		1.4	
						11.2	0.3	314	28.6		8.0		27.6		75.2		5.0		5.1		3		91				<0.2		1.4	
IM1	Cloudy	Moderate	17:40	4.6	Surface	1.0	0.2	351	29.7	29.7	7.9	7.9	22.7	22.7	89.7	89.7	6.0	6.0	3.8	3.6	4	4	85	88	817968	807131	<0.2	<0.2	1.3	1.4
						1.0	0.2	351	29.7		7.9		22.7		89.7		6.0		3.8		3		86				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	269	29.7	29.7	7.9	7.9	23.6	23.6	88.9	89.2	5.9	6.0	3.4		4		90				<0.2		1.4	
						3.6	0.2	271	29.7		7.9		23.6		89.4		6.0		3.5		4		90				<0.2		1.5	
IM2	Cloudy	Moderate	17:33	6.5	Surface	1.0	0.3	356	29.6	29.6	8.0	8.0	22.6	22.6	88.7	88.3	6.0	5.7	2.9	8.3	4	4	86	89	818160	806172	<0.2	<0.2	1.3	1.4
						1.0	0.3	328	29.6		8.0		22.7		87.8		5.9		3.3		5		86				<0.2		1.5	
					Middle	3.3	0.3	11	29.4	29.4	8.0	8.0	25.3	25.3	81.2	81.2	5.4		7.3		4		89				<0.2		1.4	
						3.3	0.3	11	29.4		8.0		25.3		81.1		5.4		7.5		4		90				<0.2		1.4	
					Bottom	5.5	0.1	24	29.2	29.2	8.0	8.0	28.4	28.4	80.6	80.6	5.3	5.3	14.4		4		90				<0.2		1.3	
						5.5	0.1	25	29.2		8.0		28.4		80.6		5.3		14.5		4		91				<0.2		1.2	
IM3	Cloudy	Moderate	17:24	6.9	Surface	1.0	0.4	325	29.5	29.5	8.0	8.0	24.8	24.9	86.4	86.0	5.7	5.5	2.8	8.8	5	4	87	89	818774	805579	<0.2	<0.2	1.2	1.2
						1.0	0.5	354	29.5		8.0		24.9		85.6		5.7		3.1		4		88				<0.2		1.2	
					Middle	3.5	0.3	320	29.2	29.2	8.0	8.0	27.5	27.5	79.7	79.7	5.2		8.9		5		89				<0.2		1.3	
						3.5	0.4	332	29.2		8.0		27.5		79.7		5.3		9.0		4		90				<0.2		1.3	
					Bottom	5.9	0.2	315	29.1	29.1	8.0	8.0	29.0	29.0	79.2	79.3	5.2	5.2	14.3		4		90				<0.2		1.1	
						5.9	0.2	317	29.1		8.0		29.0		79.3		5.2		14.5		3		91				<0.2		1.1	
IM4	Cloudy	Moderate	17:12	7.8	Surface	1.0	0.4	341	29.6	29.6	8.0	8.0	24.4	24.4	87.6	87.5	5.8	5.6	2.2	7.7	5	5	85	87	819731	804598	<0.2	<0.2	1.1	1.4
						1.0	0.4	314	29.6		8.0		24.4		87.4		5.8		2.3		5		85				<0.2		1.0	
					Middle	3.9	0.4	347	29.3	29.3	8.0	8.0	27.5	27.5	80.7	80.7	5.3		7.4		6		88				<0.2		1.2	
						3.9	0.4	354	29.3		8.0		27.5		80.6		5.3		7.6		4		88				<0.2		1.2	
					Bottom	6.8	0.3	339	29.2	29.2	8.0	8.0	28.7	28.7	82.2	82.3	5.4	5.4	13.3		6		89				<0.2		1.9	
						6.8	0.3	346	29.2		8.0		28.7		82.3		5.4		13.5		5		89				<0.2		1.8	
IM5	Cloudy	Moderate	17:02	7.2	Surface	1.0	0.3	338	29.8	29.8	7.8	7.8	19.5	19.5	88.6	88.7	6.0	6.0	1.8	3.5	4	6	84	87	820730	804878	<0.2	<0.2	2.0	1.9
						1.0	0.4	353	29.8		7.8		19.5		88.8		6.1		1.9		4		85				<0.2		2.1	
					Middle	3.6	0.6	350	29.6	29.6	7.9	7.9	24.0	24.0	88.5	88.5	5.9		2.7		6		86				<0.2		2.1	
						3.6	0.6	355	29.6		7.9		24.0		88.4		5.9		2.8		6		87				<0.2		1.9	
					Bottom	6.2	0.4	359	29.4	29.4	7.9	7.9	25.5	25.5	85.9	86.1	5.7	5.7	6.0		7		89				<0.2		1.7	
						6.2	0.4	330	29.4		7.9		25.5		86.2		5.7		6.0		6		89				<0.2		1.7	
IM6	Cloudy	Moderate	16:54	6.9	Surface	1.0	0.3	282	29.9	29.9	7.8	7.8	18.0	17.9	84.2	84.2	5.8	5.8	3.0	3.7	6	5	85	88	821056	805850	<0.2	<0.2	1.7	1.8
						1.0	0.4	298	29.9		7.8		17.9		84.2		5.8		2.9		5		85				<0.2		1.7	
					Middle	3.5	0.2	274	29.6	29.6	7.7	7.7	18.5	18.5	83.0	83.0	5.7		3.3		6		89				<0.2		1.8	
						3.5	0.2	295	29.7		7.7		18.5		83.0		5.7		3.4		4		89				<0.2		1.8	
					Bottom	5.9	0.1	2	29.5	29.5	7.8	7.8	21.7	21.5	83.1	83.1	5.6	5.6	4.7		5		90				<0.2		1.9	
						5.9	0.1	2	29.5		7.8		21.3		83.0		5.6		4.7		5		91				<0.2		2.0	
IM7	Cloudy	Moderate	16:46	7.9	Surface	1.0	0.2	244	29.9	29.9	7.7	7.7	17.4	17.3	82.4	82.5	5.7	5.7	3.4	3.8	6	5	84	88	821359	806822	<0.2	<0.2	1.7	1.7
						1.0	0.2	254	29.9		7.7		17.3		82.5		5.7		3.5		5		85				<0.2		1.6	
					Middle	4.0	0.2	264	29.7	29.7	7.7	7.7	18.7	18.7	82.3	82.4	5.7		4.0		4		88				<0.2		1.8	
						4.0	0.3	279	29.7		7.7		18.7		82.5		5.7		4.1		5		89				<0.2		1.6	
					Bottom	6.9	0.2	250	29.7	29.7	7.7	7.7	18.8	18.8	83.4	83.5	5.7	5.7	3.9		5		90				<0.2		1.7	
						6.9	0.2	262	29.7		7.7		18.8		83.5		5.7		4.0		4		90				<0.2		1.7	
IM8	Fine	Moderate	17:16	7.3	Surface	1.0	0.1	192	29.4	29.4	7.9	7.9	17.5	17.5	81.3	81.3	5.6	5.6	4.1	5.7	4	4	86	88	821852	808144	<0.2	<0.2	2.0	2.0
						1.0	0.1	202	29.4		7.9		17.5		81.3		5.6		4.2		3		86				<0.2		1.9	
					Middle	3.7	0.0	109	29.2	29.2	7.9	7.9	18.1	18.1	80.6	80.6	5.6		4.3		5		88				<0.2		2.0	
						3.7	0.0	118	29.2		7.9		18.1		80.6		5.6		4.4		4		88				<0.2		2.0	
					Bottom	6.3	0.1	47	29.1	29.1	7.9	7.9	19.0	19.0	77.5	77.6	5.4	5.4	8.6		5		89				<0.2		2.1	
						6.3	0.1	47	29.1		7.9		19.0		77.7		5.4		8.6		4		90				<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 24 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Fine	Moderate	17:22	6.8	Surface	1.0	0.1	31	29.3	29.3	7.9	7.9	18.2	18.2	82.1	82.1	5.7	5.7	4.4	6.5	3	4	86	87	822113	808795	<0.2	<0.2	1.8	1.8
						1.0	0.1	33	29.3		7.9		18.2		82.1		5.7		4.5		3		85				<0.2		1.8	
					Middle	3.4	0.1	22	29.2	29.2	7.9	7.9	18.6	18.6	82.1	82.2	5.7		6.9		4		87				<0.2		1.9	
						3.4	0.1	22	29.2		7.9		18.6		82.2		5.7		6.8		4		88				<0.2		1.9	
					Bottom	5.8	0.1	294	29.1	29.1	7.9	7.9	19.7	19.7	83.2	83.3	5.7	5.7	8.1		4		89				<0.2		1.8	
						5.8	0.1	319	29.1		7.9		19.7		83.3		5.7		8.1		4		89				<0.2		1.8	
IM10	Cloudy	Moderate	17:30	7.1	Surface	1.0	0.4	331	29.4	29.4	7.9	7.9	19.8	19.8	85.7	85.7	5.9	5.7	2.7	5.3	4	4	86	88	822362	809812	<0.2	<0.2	1.7	1.8
						1.0	0.4	351	29.4		7.9		19.8		85.7		5.9		2.7		5		85				<0.2		1.7	
					Middle	3.6	0.5	317	29.0	29.0	7.9	7.9	21.0	21.0	81.2	81.1	5.6		5.2		4		88				<0.2		1.8	
						3.6	0.5	330	29.0		7.9		21.1		80.9		5.5		5.3		4		89				<0.2		1.9	
					Bottom	6.1	0.4	316	28.9	28.9	7.9	7.9	21.9	21.9	79.5	79.6	5.4	5.4	7.8		3		90				<0.2		1.8	
						6.1	0.4	347	28.9		7.9		21.9		79.7		5.4		8.1		3		89				<0.2		1.8	
IM11	Cloudy	Moderate	17:43	8.0	Surface	1.0	0.4	317	29.3	29.3	8.0	8.0	20.9	20.9	84.4	84.4	5.8	5.4	2.6	5.9	5	4	86	88	822069	811447	<0.2	<0.2	1.7	1.6
						1.0	0.4	323	29.3		8.0		20.9		84.3		5.8		2.8		4		85				<0.2		1.5	
					Middle	4.0	0.3	315	28.9	28.9	8.0	8.0	24.1	24.2	74.9	74.8	5.1		6.8		3		88				<0.2		1.5	
						4.0	0.4	340	28.9		8.0		24.2		74.7		5.0		6.9		3		88				<0.2		1.6	
					Bottom	7.0	0.2	307	28.7	28.7	8.0	8.0	25.6	25.5	74.0	74.1	5.0	5.0	8.2		3		90				<0.2		1.5	
						7.0	0.3	323	28.7		8.0		25.5		74.2		5.0		8.3		3		90				<0.2		1.6	
IM12	Cloudy	Moderate	17:51	8.8	Surface	1.0	0.4	301	29.4	29.4	8.0	8.0	21.3	21.3	85.1	85.1	5.8	5.6	2.4	5.7	3	4	85	87	821468	812037	<0.2	<0.2	1.5	1.5
						1.0	0.4	304	29.4		8.0		21.3		85.1		5.8		2.5		3		85				<0.2		1.5	
					Middle	4.4	0.5	301	28.9	28.9	8.0	8.0	23.4	23.4	78.2	78.2	5.3		5.1		5		87				<0.2		1.6	
						4.4	0.5	320	28.9		8.0		23.4		78.1		5.3		5.2		4		88				<0.2		1.5	
					Bottom	7.8	0.2	293	28.9	28.9	8.0	8.0	23.8	23.8	78.0	78.1	5.3	5.3	9.3		5		89				<0.2		1.6	
						7.8	0.2	312	28.9		8.0		23.8		78.1		5.3		9.4		4		89				<0.2		1.5	
SR1A	Cloudy	Calm	18:12	4.9	Surface	1.0	-	-	29.3	29.3	7.9	7.9	20.6	20.6	88.2	88.2	6.0	6.0	2.8	3.7	4	5	-	-	819976	812656	-	-	-	-
						1.0	-	-	29.3		7.9		20.6		88.2		6.0		2.8		5		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	29.2	29.2	8.0	8.0	22.4	22.4	84.4	84.5	5.7	5.7	4.6		5		-				-		-	
						3.9	-	-	29.2		8.0		22.4		84.5		5.7		4.5		6		-				-		-	
SR2	Cloudy	Moderate	18:26	4.0	Surface	1.0	0.2	313	29.2	29.2	8.0	8.0	22.6	22.6	83.4	83.4	5.7	5.7	4.8	6.0	6	7	87	88	821443	814185	<0.2	<0.2	1.4	1.4
						1.0	0.2	317	29.2		8.0		22.6		83.4		5.7		4.8		6		87				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.2	316	29.1	29.1	8.0	8.0	23.1	23.1	86.1	86.3	5.8	5.8	7.2		8		88				<0.2		1.4	
						3.0	0.2	334	29.1		8.0		23.1		86.4		5.8		7.2		8		89				<0.2		1.4	
SR3	Fine	Moderate	17:10	8.4	Surface	1.0	0.1	188	29.5	29.5	7.9	7.9	16.5	16.5	79.5	79.5	5.5	5.4	4.6	5.3	6	5	-	-	822161	807573	-	-	-	-
						1.0	0.1	201	29.5		7.9		16.5		79.4		5.5		4.6		6		-				-		-	
					Middle	4.2	0.1	207	29.1	29.1	7.9	7.9	18.7	18.7	76.8	76.8	5.3		3.8		6		-				-		-	
						4.2	0.1	211	29.1		7.9		18.7		76.8		5.3		3.8		5		-				-		-	
					Bottom	7.4	0.1	189	29.1	29.1	7.9	7.9	20.9	20.9	75.3	75.4	5.2	5.2	7.7		5		-				-		-	
						7.4	0.1	200	29.1		7.9		20.9		75.4		5.2		7.7		4		-				-		-	
SR4A	Cloudy	Moderate	18:23	9.5	Surface	1.0	0.3	65	29.8	29.8	7.9	7.9	21.4	21.4	89.8	89.9	6.1	5.9	4.6	4.8	10	9	-	-	817176	807791	-	-	-	-
						1.0	0.3	66	29.8		7.9		21.4		90.0		6.1		4.7		10		-				-		-	
					Middle	4.8	0.1	90	29.8	29.8	7.9	7.9	23.9	23.9	85.5	85.6	5.7		5.0		10		-				-		-	
						4.8	0.1	92	29.8		7.9		24.0		85.7		5.7		5.0		9		-				-		-	
					Bottom	8.5	0.1	38	29.7	29.7	7.9	7.9	25.0	24.9	86.8	87.4	5.7	5.8	4.7		9		-				-		-	
						8.5	0.1	41	29.8		7.9		24.9		88.0		5.8		4.5		8		-				-		-	
SR5A	Cloudy	Moderate	18:40	3.1	Surface	1.0	0.0	106	30.0	30.0	7.9	7.9	24.7	24.7	87.9	88.0	5.8	5.8	5.8	7.5	5	6	-	-	816596	810681	-	-	-	-
						1.0	0.0	109	30.0		7.9		24.7		88.1		5.8		6.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.1	0.0	55	29.8	29.8	7.9	7.9	24.7	24.7	87.9	88.0	5.8	5.8	9.0		7		-				-		-	
						2.1	0.0	56	29.8		7.9		24.7		88.1		5.8		9.2		7		-				-		-	
SR6A	Cloudy	Moderate	19:21	4.5	Surface	1.0	0.1	194	30.0	30.0	7.9	7.9	23.1	23.1	91.2	91.1	6.1	6.1	2.4	3.1	4	5	-	-	817972	814752	-	-	-	-
						1.0	0.1	208	30.0		7.9		23.1		90.9		6.1		2.5		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	243	29.8	29.8	7.9	7.9	23.7	23.7	89.0	89.1	5.9	5.9	3.7		6		-				-		-	
						3.5	0.1	246	29.8		7.9		23.7		89.1		5.9		3.9		7		-				-		-	
SR7	Cloudy	Moderate	19:30	15.4	Surface	1.0	0.1	107	28.8	28.8	8.0	8.0	26.2	26.2	77.4	77.4	5.2	5.1	2.2	3.4	4	4	-	-	823630	823739	-	-	-	-
						1.0	0.1	109	28.8		8.0		26.3		77.3		5.2		2.2		4		-				-		-	
					Middle	7.7	0.1	235	28.6	28.6	8.1	8.1	28.7	28.7	76.3	76.4	5.0		3.2		5		-				-		-	
						7.7	0.1	257	28.6		8.1		28.7		76.4		5.1		3.2		4		-				-		-	
					Bottom	14.4	0.1	124	28.6	28.6	8.1	8.1	29.2	29.2	77.9	78.0	5.1	5.1	4.8		4		-				-		-	
						14.4	0.1	127	28.6		8.1		29.2		78.0		5.1		4.7		5		-				-		-	
SR8	Cloudy	Moderate	18:03	4.7	Surface	1.0	-	-	29.1	29.1	7.9	7.9	20.7	20.7	86.2	86.2	5.9	5.9	3.1	5.3	8	6	-	-	820366	811609	-	-	-	-
						1.0	-	-	29.1		7.9		20.7		86.2		5.9		3.4		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	28.9	28.9	8.0	8.0	22.1	22.1	82.4	82.5	5.6	5.6	7.4		6		-				-		-	
						3.7	-	-	28.9		8.0		22.1		82.5		5.6		7.3		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (μg/L)		Nickel (μg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	08:27	8.9	Surface	1.0	0.4	213	28.9	28.9	8.3	8.3	27.6	27.6	92.6	92.6	6.1	6.0	2.3	6.0	5	4	86	88	815610	804258	<0.2	<0.2	0.8	0.8
						1.0	0.4	223	28.9		8.3		27.6		92.5		6.1		2.3		6		86				<0.2		0.7	
					Middle	4.5	0.5	205	29.4	29.4	8.3	8.3	29.4	29.4	90.3	90.2	5.9		2.3		3		88				<0.2		0.7	
						4.5	0.5	209	29.4		8.3		29.4		90.1		5.9		2.4		4		87				<0.2		0.8	
					Bottom	7.9	0.7	193	29.3	29.3	8.3	8.3	30.4	30.4	81.0	81.0	5.3	5.3	13.6		3		89				<0.2		0.8	
						7.9	0.8	194	29.3		8.3		30.4		81.0		5.3		13.5		3		90				<0.2		0.8	
C2	Cloudy	Moderate	10:12	11.7	Surface	1.0	0.2	135	29.0	29.0	7.8	7.8	19.3	19.3	83.7	83.7	5.8	5.3	2.7	7.8	4	4	86	88	825679	806923	<0.2	<0.2	1.7	1.7
						1.0	0.2	141	29.0		7.8		19.3		83.7		5.8		2.7		3		86				<0.2		1.7	
					Middle	5.9	0.5	154	28.8	28.8	7.8	7.8	27.0	27.0	72.0	72.0	4.8		8.5		3		88				<0.2		1.8	
						5.9	0.5	159	28.8		7.8		27.0		72.0		4.8		8.6		4		88				<0.2		1.7	
					Bottom	10.7	0.5	144	28.7	28.7	7.9	7.9	27.9	27.9	75.8	76.0	5.0	5.0	11.9		5		91				<0.2		1.7	
						10.7	0.5	148	28.7		7.9		27.9		76.1		5.0		12.3		5		90				<0.2		1.8	
C3	Cloudy	Moderate	07:53	12.5	Surface	1.0	0.4	286	28.3	28.3	7.8	7.8	25.1	25.1	86.5	86.4	5.9	5.5	1.7	3.3	5	5	86	88	822121	817796	<0.2	<0.2	1.8	1.7
						1.0	0.4	304	28.3		7.8		25.1		86.3		5.9		1.7		5		85				<0.2		1.7	
					Middle	6.3	0.2	257	28.8	28.8	7.9	7.9	28.5	28.6	77.5	77.5	5.1		3.9		5		89				<0.2		1.6	
						6.3	0.2	267	28.7		7.9		28.7		77.5		5.1		4.2		4		88				<0.2		1.7	
					Bottom	11.5	0.1	120	28.7	28.7	7.8	7.8	29.1	29.1	78.7	78.8	5.2	5.2	4.4		4		90				<0.2		1.7	
						11.5	0.1	130	28.7		7.8		29.1		78.9		5.2		3.9		5		90				<0.2		1.7	
IM1	Sunny	Moderate	08:51	5.1	Surface	1.0	0.1	155	29.0	29.0	8.3	8.3	29.4	29.4	84.8	84.8	5.5	5.5	3.8	7.1	6	5	82	84	817945	807143	<0.2	<0.2	0.8	0.8
						1.0	0.1	161	29.0		8.3		29.4		84.8		5.5		3.7		6		82				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	124	29.2	29.2	8.3	8.3	29.9	29.9	80.0	80.0	5.2	5.2	10.4		4		86				<0.2		0.8	
						4.1	0.1	127	29.2		8.3		29.9		80.0		5.2		10.5		3		86				<0.2		0.8	
IM2	Sunny	Moderate	09:01	7.2	Surface	1.0	0.2	196	28.9	28.9	8.2	8.2	28.7	28.7	87.0	87.0	5.7	5.6	3.8	7.0	7	7	86	89	818145	806164	<0.2	<0.2	0.8	0.9
						1.0	0.2	201	28.9		8.2		28.7		86.9		5.7		3.8		7		87				<0.2		0.8	
					Middle	3.6	0.2	190	29.0	29.0	8.2	8.2	28.9	28.9	84.3	84.5	5.5		4.2		7		90				<0.2		1.0	
						3.6	0.2	195	29.0		8.2		28.9		84.6		5.6		4.1		6		90				<0.2		0.8	
					Bottom	6.2	0.1	200	29.2	29.2	8.2	8.2	30.1	30.1	79.8	79.8	5.2	5.2	13.0		6		91				<0.2		0.9	
						6.2	0.1	205	29.2		8.2		30.1		79.8		5.2		13.1		6		91				<0.2		0.9	
IM3	Sunny	Moderate	09:11	7.3	Surface	1.0	0.3	151	29.2	29.2	8.2	8.2	28.3	28.3	83.5	83.5	5.5	5.5	4.1	5.8	7	6	86	89	818794	805589	<0.2	<0.2	0.9	1.0
						1.0	0.3	151	29.2		8.2		28.3		83.4		5.5		4.0		7		86				<0.2		1.0	
					Middle	3.7	0.2	138	29.2	29.2	8.2	8.2	28.4	28.4	82.9	82.9	5.4		4.2		6		89				<0.2		0.9	
						3.7	0.3	150	29.2		8.2		28.4		82.9		5.4		4.2		6		89				<0.2		1.0	
					Bottom	6.3	0.1	106	29.2	29.2	8.2	8.2	29.9	29.9	80.3	80.3	5.2	5.2	8.9		6		91				<0.2		1.0	
						6.3	0.1	111	29.2		8.2		29.9		80.3		5.2		9.5		5		91				<0.2		0.9	
IM4	Sunny	Moderate	09:22	7.4	Surface	1.0	0.1	70	29.1	29.1	8.1	8.1	26.3	26.3	84.4	84.4	5.6	5.6	3.6	7.2	8	6	86	89	819715	804626	<0.2	<0.2	1.1	1.1
						1.0	0.1	70	29.1		8.1		26.3		84.4		5.6		3.6		7		86				<0.2		1.1	
					Middle	3.7	0.1	49	29.1	29.1	8.2	8.2	27.2	27.2	83.6	83.6	5.5		6.4		4		88				<0.2		1.0	
						3.7	0.1	52	29.1		8.2		27.2		83.6		5.5		6.3		6		89				<0.2		1.1	
					Bottom	6.4	0.1	63	29.1	29.1	8.2	8.2	28.3	28.3	82.3	82.3	5.4	5.4	11.7		4		91				<0.2		1.1	
						6.4	0.1	66	29.1		8.2		28.3		82.2		5.4		11.7		4		92				<0.2		1.2	
IM5	Sunny	Moderate	09:34	7.0	Surface	1.0	0.9	204	29.2	29.2	8.1	8.1	25.3	25.3	86.4	86.4	5.8	5.8	2.4	4.7	2	4	87	89	820752	804889	<0.2	<0.2	1.2	1.4
						1.0	0.9	221	29.2		8.1		25.3		86.4		5.8		2.4		3		87				<0.2		1.3	
					Middle	3.5	0.8	191	29.1	29.1	8.2	8.2	26.0	26.0	86.1	86.1	5.7		3.3		3		89				<0.2		1.2	
						3.5	0.8	201	29.1		8.2		26.0		86.0		5.7		3.5		4		89				<0.2		1.3	
					Bottom	6.0	0.5	176	29.2	29.2	8.2	8.2	27.4	27.4	84.9	84.9	5.6	5.6	8.3		5		90				<0.2		1.6	
						6.0	0.5	182	29.2		8.2		27.4		84.9		5.6		8.3		5		91				<0.2		1.6	
IM6	Sunny	Moderate	09:46	6.7	Surface	1.0	1.0	226	29.3	29.3	8.1	8.1	23.6	23.6	88.8	88.8	6.0	5.7	1.9	4.2	5	4	86	89	821042	805821	<0.2	<0.2	1.6	1.7
						1.0	1.1	232	29.3		8.1		23.6		88.8		6.0		1.9		5		87				<0.2		1.5	
					Middle	3.4	0.8	219	29.2	29.2	8.2	8.2	27.2	27.2	81.9	81.9	5.4		3.6		4		90				<0.2		1.6	
						3.4	0.9	231	29.2		8.2		27.2		81.9		5.4		3.7		4		90				<0.2		1.7	
					Bottom	5.7	0.6	210	29.2	29.2	8.2	8.2	29.2	29.2	79.5	79.5	5.2	5.2	7.1		4		91				<0.2		1.9	
						5.7	0.6	226	29.2		8.2		29.2		79.5		5.2		7.2		3		91				<0.2		1.9	
IM7	Sunny	Moderate	09:58	8.1	Surface	1.0	0.8	250	29.4	29.4	8.1	8.1	21.9	21.9	86.1	86.1	5.8	5.7	2.5	3.6	3	3	86	89	821362	806842	<0.2	<0.2	1.5	1.6
						1.0	0.8	259	29.4		8.1		21.9		86.1		5.8		2.5		3		87				<0.2		1.5	
					Middle	4.1	0.7	256	29.2	29.2	8.1	8.1	25.4	25.4	83.7	83.7	5.6		2.7		4		89				<0.2		1.5	
						4.1	0.8	258	29.2		8.1		25.4		83.7		5.6		2.7		3		90				<0.2		1.6	
					Bottom	7.1	0.5	244	29.2	29.2	8.2	8.2	28.8	28.8	79.2	79.2	5.2	5.2	5.6		3		91				<0.2		1.7	
						7.1	0.6	258	29.2		8.2		28.9		79.1		5.2		5.8		4		91				<0.2		1.8	
IM8	Cloudy	Moderate	09:35	7.8	Surface	1.0	0.3	202	28.8	28.8	7.8	7.8	19.7	19.7	88.7	88.7	6.1	5.9	2.1	3.2	4	4	87	90	821811	808131	<0.2	<0.2	1.7	1.7
						1.0	0.3	213	28.8		7.8		19.7		88.6		6.1		2.1		4		88				<0.2		1.6	
					Middle	3.9	0.1	231	28.8	28.8	7.8	7.8	25.3	25.3	84.3	84.4	5.7		2.4		3		90				<0.2		1.7	
						3.9	0.1	247	28.7		7.8		25.3		84.4		5.7		2.4		4		91				<0.2		1.8	
					Bottom	6.8	0.2	299	28.6	28.6	7.8	7.8	25.8	25.8	84.8	84.8	5.7	5.7	5.1		4		91				<0.2		1.6	
						6.8	0.2	322	28.6		7.8		25.8		84.7		5.7		5.2		3		92				<0.2		1.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	09:29	7.5	Surface	1.0	0.4	180	28.8	28.8	7.7	7.7	20.2	20.2	89.6	89.6	6.2	6.0	1.9	2.3	2	3	87	89	822074	808830	<0.2	<0.2	1.6	1.7
						1.0	0.4	197	28.8		7.7		20.2		89.5		6.2		1.9		2		87				<0.2		1.5	
					Middle	3.8	0.2	143	28.8	28.8	7.8	7.8	25.2	25.2	84.2	84.3	5.7		2.1		3		88				<0.2		1.8	
						3.8	0.2	153	28.8		7.8		25.2		84.3		5.7		2.1		3		89				<0.2		1.9	
					Bottom	6.5	0.1	79	28.7	28.7	7.7	7.7	25.7	25.7	86.0	86.3	5.8	5.8	2.9		3		91				<0.2		1.7	
						6.5	0.1	85	28.7		7.7		25.7		86.5		5.8		3.0		4		91				<0.2		1.7	
IM10	Cloudy	Moderate	09:21	8.6	Surface	1.0	0.6	152	28.9	28.9	7.8	7.8	21.2	21.2	88.4	88.4	6.1	5.9	1.9	3.1	4	4	86	89	822399	809810	<0.2	<0.2	1.7	1.8
						1.0	0.6	155	28.9		7.8		21.2		88.3		6.1		1.9		3		88				<0.2		1.7	
					Middle	4.3	0.6	118	29.0	29.0	7.8	7.8	24.1	24.2	83.7	83.7	5.6		2.3		3		90				<0.2		1.8	
						4.3	0.6	119	28.9		7.8		24.3		83.6		5.6		2.2		4		88				<0.2		1.8	
					Bottom	7.6	0.4	86	28.7	28.7	7.9	7.9	27.0	27.0	84.2	84.5	5.6	5.6	5.2		4		91				<0.2		1.8	
						7.6	0.4	89	28.7		7.9		27.0		84.8		5.6		5.1		4		92				<0.2		1.7	
IM11	Cloudy	Moderate	09:06	7.9	Surface	1.0	0.6	132	28.8	28.8	7.8	7.8	24.2	24.2	87.3	87.3	5.9	5.7	2.0	7.3	6	5	86	89	822062	811459	<0.2	<0.2	1.6	1.7
						1.0	0.6	144	28.8		7.8		24.2		87.2		5.9		2.1		6		86				<0.2		1.6	
					Middle	4.0	0.5	125	28.7	28.7	7.8	7.8	26.3	26.3	81.8	81.8	5.5		7.2		5		89				<0.2		1.7	
						4.0	0.6	125	28.7		7.9		26.4		81.8		5.5		7.1		5		89				<0.2		1.9	
					Bottom	6.9	0.3	127	28.7	28.7	7.9	7.9	27.0	27.0	82.7	82.8	5.5	5.5	12.5		2		91				<0.2		1.7	
						6.9	0.3	136	28.7		7.9		27.0		82.9		5.5		12.7		3		91				<0.2		1.8	
IM12	Cloudy	Moderate	08:58	9.5	Surface	1.0	0.5	128	28.7	28.7	7.8	7.8	25.6	25.6	83.7	83.7	5.6	5.6	2.2	5.5	2	4	85	88	821435	812063	<0.2	<0.2	1.7	1.7
						1.0	0.6	134	28.7		7.8		25.6		83.6		5.6		2.2		4		86				<0.2		1.6	
					Middle	4.8	0.6	125	28.7	28.7	7.8	7.8	26.3	26.4	81.8	81.8	5.5		4.7		5		87				<0.2		1.7	
						4.8	0.6	126	28.7		7.8		26.4		81.7		5.5		4.4		5		89				<0.2		1.7	
					Bottom	8.5	0.2	109	28.7	28.7	7.8	7.8	27.0	26.9	83.2	83.3	5.5	5.6	10.2		5		90				<0.2		1.8	
						8.5	0.3	109	28.7		7.8		26.9		83.4		5.6		9.4		5		90				<0.2		1.7	
SR1A	Cloudy	Calm	08:36	5.2	Surface	1.0	-	-	28.7	28.7	7.8	7.8	24.9	24.9	77.2	77.1	5.2	5.2	2.4	3.8	3	5	-	-	819980	812660	-	-	-	-
						1.0	-	-	28.7		7.8		24.9		76.9		5.2		2.4		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	28.8	28.8	7.8	7.8	26.7	26.7	75.6	75.7	5.0	5.1	5.1		5		-				-		-	
						4.2	-	-	28.8		7.8		26.7		75.8		5.1		5.1		6		-				-		-	
SR2	Cloudy	Moderate	08:21	5.4	Surface	1.0	0.3	97	28.6	28.7	7.8	7.8	26.0	26.0	82.0	82.0	5.5	5.5	3.6	5.1	6	5	88	89	821449	814178	<0.2	<0.2	1.7	1.8
						1.0	0.4	104	28.7		7.8		26.1		82.0		5.5		4.0		6		87				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.3	111	28.7	28.7	7.9	7.9	27.1	27.1	83.0	83.3	5.5	5.6	6.2		5		90				<0.2		1.8	
						4.4	0.3	117	28.7		7.9		27.1		83.5		5.6		6.5		4		90				<0.2		1.8	
SR3	Cloudy	Moderate	09:42	9.0	Surface	1.0	0.6	207	29.0	29.0	7.8	7.8	19.6	19.6	84.9	84.9	5.9	5.8	2.3	3.5	3	3	-	-	822139	807579	-	-	-	-
						1.0	0.7	208	29.0		7.8		19.6		84.8		5.9		2.3		2		-				-		-	
					Middle	4.5	0.2	226	28.8	28.8	7.8	7.8	26.2	26.2	83.7	83.8	5.6		2.7		2		-				-		-	
						4.5	0.3	228	28.8		7.8		26.2		83.8		5.6		2.7		4		-				-		-	
					Bottom	8.0	0.2	273	28.7	28.7	7.8	7.8	28.5	28.6	83.7	83.7	5.5	5.5	5.4		3		-				-		-	
						8.0	0.2	284	28.7		7.8		28.8		83.7		5.5		5.6		4		-				-		-	
SR4A	Sunny	Calm	08:03	9.2	Surface	1.0	0.4	211	28.9	28.9	8.2	8.2	27.6	27.6	85.0	85.0	5.6	5.5	3.3	6.4	4	5	-	-	817186	807811	-	-	-	-
						1.0	0.4	218	28.9		8.2		27.6		85.0		5.6		3.3		4		-				-		-	
					Middle	4.6	0.4	183	29.3	29.3	8.2	8.2	30.1	30.1	81.2	81.2	5.3		7.7		5		-				-		-	
						4.6	0.5	194	29.3		8.2		30.1		81.2		5.3		7.8		4		-				-		-	
					Bottom	8.2	0.2	232	29.3	29.3	8.3	8.3	30.1	30.1	81.1	81.1	5.3	5.3	8.3		6		-				-		-	
						8.2	0.2	236	29.3		8.3		30.1		81.1		5.3		8.2		7		-				-		-	
SR5A	Sunny	Calm	07:43	4.6	Surface	1.0	0.1	228	29.5	29.5	8.1	8.1	25.7	25.7	80.5	80.5	5.3	5.3	8.7	10.9	8	7	-	-	816603	810708	-	-	-	-
						1.0	0.1	229	29.5		8.1		25.7		80.4		5.3		8.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	158	29.3	29.3	8.2	8.2	28.7	28.7	74.1	74.1	4.8	4.8	13.2		6		-				-		-	
						3.6	0.1	163	29.3		8.2		28.7		74.1		4.8		13.5		5		-				-		-	
SR6A	Sunny	Calm	07:11	5.1	Surface	1.0	0.1	66	29.2	29.2	8.0	8.0	24.6	24.6	71.4	71.4	4.8	4.8	5.4	6.4	5	6	-	-	817960	814751	-	-	-	-
						1.0	0.1	67	29.2		8.0		24.6		71.4		4.8		5.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	66	29.2	29.2	8.0	8.0	27.1	27.1	63.3	63.4	4.2	4.2	7.6		6		-				-		-	
						4.1	0.1	70	29.2		8.0		27.1		63.4		4.2		7.5		6		-				-		-	
SR7	Cloudy	Moderate	07:12	15.6	Surface	1.0	0.6	61	28.3	28.3	7.8	7.8	26.4	26.4	85.9	85.9	5.8	5.6	1.2	1.4	5	4	-	-	823628	823724	-	-	-	-
						1.0	0.7	66	28.3		7.8		26.4		85.8		5.8		1.2		5		-				-		-	
					Middle	7.8	0.2	14	28.7	28.7	7.8	7.8	29.0	29.0	79.9	80.0	5.3		1.5		4		-				-		-	
						7.8	0.2	14	28.7		7.8		29.0		80.0		5.3		1.5		4		-				-		-	
					Bottom	14.6	0.2	55	28.7	28.7	7.8	7.8	29.6	29.6	80.7	80.8	5.3	5.3	1.5		3		-				-		-	
						14.6	0.2	56	28.7		7.8		29.6		80.8		5.3		1.5		3		-				-		-	
SR8	Cloudy	Moderate	08:46	5.0	Surface	1.0	-	-	28.8	28.8	7.8	7.8	25.6	25.6	77.5	77.6	5.2	5.2	11.0	14.8	5	20	-	-	820402	811632	-	-	-	-
						1.0	-	-	28.8		7.8		25.6		77.7		5.2		11.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	28.8	28.8	7.8	7.8	26.0	26.0	75.3	75.4	5.0	5.0	18.6		35		-				-		-	
						4.0	-	-	28.8		7.8		26.0		75.4		5.0		18.4		34		-				-		-	

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 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	16:47	9.0	Surface	1.0	0.4	24	29.5	29.5	8.2	8.2	25.4	25.4	96.7	96.7	6.4	6.2	3.9	9.0	8	7	87	90	815607	804242	<0.2	<0.2	1.0	0.9
						1.0	0.4	26	29.5		8.2		25.4		96.6		6.4		3.9		7		87				<0.2		1.0	
					Middle	4.5	0.5	44	29.4	29.4	8.3	8.3	28.8	28.8	92.3	92.4	6.0		10.1		8		91				<0.2		0.9	
						4.5	0.5	46	29.4		8.3		28.8		92.4		6.0		10.1		6		92				<0.2		0.9	
					Bottom	8.0	0.2	46	29.3	29.3	8.3	8.3	29.2	29.2	87.8	87.8	5.7	5.7	12.9		6		92				<0.2		1.0	
						8.0	0.3	49	29.3		8.3		29.3		87.8		5.7		12.8		6		93				<0.2		0.8	
C2	Cloudy	Rough	15:39	10.8	Surface	1.0	0.3	350	29.2	29.2	7.9	7.9	17.5	17.5	81.2	81.2	5.7	5.3	4.5	7.2	6	7	87	90	825694	806930	<0.2	<0.2	1.6	1.8
						1.0	0.3	322	29.2		7.9		17.5		81.1		5.6		4.5		5		88				<0.2		1.8	
					Middle	5.4	0.4	28	29.0	29.0	7.9	7.9	25.1	25.2	72.8	72.7	4.9		7.1		7		90				<0.2		1.8	
						5.4	0.4	30	29.0		7.9		25.3		72.6		4.9		7.3		8		90				<0.2		1.8	
					Bottom	9.8	0.4	346	28.9	28.9	7.9	7.9	26.0	26.0	73.3	73.6	4.9	4.9	10.0		7		92				<0.2		1.8	
						9.8	0.4	350	28.9		7.9		25.9		73.8		4.9		10.1		8		91				<0.2		1.8	
C3	Cloudy	Rough	17:50	12.0	Surface	1.0	0.3	241	28.7	28.7	10.2	10.2	27.2	27.2	86.5	86.5	5.8	5.5	1.8	3.9	5	3	89	90	822114	817817	<0.2	<0.2	1.8	1.8
						1.0	0.3	243	28.7		10.2		27.1		86.5		5.8		1.8		4		88				<0.2		1.7	
					Middle	6.0	0.4	252	28.7	28.7	10.2	10.2	28.9	28.9	79.2	79.3	5.2		4.1		3		90				<0.2		1.8	
						6.0	0.4	270	28.7		10.2		28.9		79.3		5.2		4.1		2		89				<0.2		1.8	
					Bottom	11.0	0.4	266	28.7	28.7	10.2	10.2	28.9	28.9	80.4	80.6	5.3	5.3	5.7		2		93				<0.2		1.9	
						11.0	0.4	273	28.7		10.2		28.9		80.7		5.3		5.9		2		91				<0.2		1.8	
IM1	Sunny	Moderate	16:26	4.6	Surface	1.0	0.1	25	29.6	29.6	8.2	8.2	26.9	26.9	96.3	96.3	6.3	6.3	4.8	7.3	9	8	86	88	817942	807131	<0.2	<0.2	1.6	1.6
						1.0	0.1	27	29.6		8.2		27.0		96.3		6.3		4.8		10		87				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	259	29.4	29.4	8.2	8.2	30.0	30.0	84.0	84.1	5.4	5.5	9.8		7		90				<0.2		1.6	
						3.6	0.2	261	29.4		8.2		30.0		84.2		5.5		9.7		6		90				<0.2		1.7	
IM2	Sunny	Moderate	16:18	6.6	Surface	1.0	0.3	357	29.5	29.5	8.2	8.2	25.3	25.3	92.3	92.3	6.1	6.0	6.0	9.1	9	10	87	90	818147	806150	<0.2	<0.2	1.7	1.7
						1.0	0.3	328	29.5		8.2		25.3		92.3		6.1		6.1		10		87				<0.2		1.7	
					Middle	3.3	0.3	1	29.4	29.4	8.2	8.2	27.9	27.9	89.7	89.7	5.9		7.6		9		90				<0.2		1.7	
						3.3	0.3	1	29.4		8.2		27.9		89.6		5.9		7.7		10		91				<0.2		1.7	
					Bottom	5.6	0.2	310	29.4	29.4	8.2	8.2	29.6	29.6	85.4	85.4	5.5	5.5	13.4		9		92				<0.2		1.7	
						5.6	0.2	317	29.4		8.2		29.7		85.3		5.5		13.7		10		92				<0.2		1.7	
IM3	Sunny	Moderate	16:11	6.9	Surface	1.0	0.6	5	29.5	29.5	8.2	8.2	25.4	25.4	91.0	91.0	6.0	5.9	6.0	9.1	10	9	87	90	818784	805572	<0.2	<0.2	1.7	1.6
						1.0	0.6	5	29.5		8.2		25.4		91.0		6.0		6.1		9		88				<0.2		1.7	
					Middle	3.5	0.5	342	29.4	29.4	8.2	8.2	28.6	28.6	88.1	88.1	5.8		9.0		8		90				<0.2		1.6	
						3.5	0.5	349	29.3		8.2		28.6		88.0		5.8		9.0		9		91				<0.2		1.6	
					Bottom	5.9	0.4	330	29.3	29.3	8.2	8.2	29.9	29.9	82.0	82.1	5.3	5.3	12.2		9		92				<0.2		1.6	
						5.9	0.4	304	29.3		8.2		29.9		82.1		5.3		12.4		8		93				<0.2		1.5	
IM4	Sunny	Moderate	15:59	7.1	Surface	1.0	0.7	346	29.4	29.4	8.2	8.2	25.7	25.7	88.0	88.1	5.8	5.6	6.8	10.1	8	9	88	90	819707	804615	<0.2	<0.2	2.5	2.4
						1.0	0.7	348	29.4		8.2		25.7		88.1		5.8		6.8		7		88				<0.2		2.5	
					Middle	3.6	0.6	346	29.3	29.3	8.2	8.2	28.7	28.6	83.0	83.0	5.4		10.1		8		90				<0.2		2.4	
						3.6	0.6	318	29.3		8.2		28.6		83.0		5.4		10.1		9		90				<0.2		2.2	
					Bottom	6.1	0.5	347	29.3	29.3	8.2	8.2	29.1	29.1	84.3	84.4	5.5	5.5	13.5		11		91				<0.2		2.3	
						6.1	0.5	347	29.3		8.2		29.1		84.4		5.5		13.4		10		92				<0.2		2.4	
IM5	Sunny	Moderate	15:50	6.7	Surface	1.0	0.4	277	29.5	29.5	8.2	8.2	27.2	27.2	90.4	90.5	5.9	6.0	5.5	8.0	10	8	87	90	820728	804850	<0.2	<0.2	1.9	2.1
						1.0	0.5	298	29.5		8.2		27.3		90.6		6.0		5.7		10		87				<0.2		2.0	
					Middle	3.4	0.2	269	29.5	29.5	8.2	8.2	28.5	28.5	92.7	92.7	6.0		8.3		8		90				<0.2		2.2	
						3.4	0.3	286	29.5		8.2		28.5		92.7		6.0		8.2		7		90				<0.2		2.2	
					Bottom	5.7	0.1	49	29.5	29.5	8.2	8.2	28.6	28.6	94.0	94.1	6.1	6.1	10.0		8		91				<0.2		2.1	
						5.7	0.1	52	29.5		8.2		28.6		94.1		6.1		10.1		7		92				<0.2		2.3	
IM6	Sunny	Moderate	15:44	6.8	Surface	1.0	0.2	255	29.9	29.9	8.0	8.0	20.5	20.5	92.3	92.3	6.2	6.1	4.3	8.4	10	8	86	90	821045	805832	<0.2	<0.2	2.0	1.9
						1.0	0.3	261	29.9		8.0		20.5		92.2		6.2		4.4		8		87				<0.2		2.1	
					Middle	3.4	0.2	254	29.6	29.6	8.1	8.1	23.9	23.9	89.7	89.8	6.0		7.7		7		90				<0.2		2.0	
						3.4	0.2	272	29.6		8.1		24.0		89.8		6.0		7.7		8		91				<0.2		1.8	
					Bottom	5.8	0.1	283	29.5	29.5	8.2	8.2	28.6	28.6	93.7	93.8	6.1	6.1	13.1		6		92				<0.2		1.8	
						5.8	0.1	283	29.5		8.2		28.6		93.8		6.1		13.1		8		92				<0.2		1.8	
IM7	Sunny	Moderate	15:37	7.9	Surface	1.0	0.5	238	29.8	29.8	8.0	8.0	20.9	20.9	87.0	86.9	5.9	5.7	4.1	4.8	7	7	87	90	821332	806834	<0.2	<0.2	1.9	1.9
						1.0	0.6	256	29.8		8.0		20.9		86.8		5.9		4.2		8		86				<0.2		2.0	
					Middle	4.0	0.5	263	29.8	29.8	8.0	8.0	21.8	21.8	81.8	81.9	5.5		4.5		7		90				<0.2		2.0	
						4.0	0.5	274	29.8		8.0		21.8		81.9		5.5		4.5		7		90				<0.2		1.9	
					Bottom	6.9	0.3	258	29.6	29.6	8.0	8.0	23.3	23.3	77.0	77.1	5.2	5.2	5.6		6		92				<0.2		1.9	
						6.9	0.3	264	29.6		8.0		23.3		77.1		5.2		5.6		7		92				<0.2		1.9	
IM8	Cloudy	Rough	16:07	7.1	Surface	1.0	0.1	258	29.1	29.1	8.0	8.0	22.6	22.6	88.4	88.3	6.0	5.9	5.9	6.4	9	7	86	89	821834	808119	<0.2	<0.2	1.8	1.9
						1.0	0.2	281	29.1		8.0		22.7		88.2		6.0		5.9		9		88				<0.2		1.8	
					Middle	3.6	0.1	229	29.1	29.1	8.0	8.0	23.0	23.0	84.7	84.7	5.7		6.8		5		89				<0.2		1.8	
						3.6	0.1	235	29.1		8.0		23.0		84.6		5.7		6.8		6		88				<0.2		2.0	
					Bottom	6.1	0.2	199	29.0	29.0	8.0	8.0	24.1	24.1	81.1	81.3	5.5	5.5	6.4		5		91				<0.2		1.9	
						6.1	0.2	212	29.0		8.0		24.1		81.4		5.5		6.4		5		92				<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 26 September 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Rough	16:15	7.0	Surface	1.0	0.4	255	29.0	29.0	8.1	8.1	23.0	23.0	90.5	90.5	6.1	6.0	5.9	6.7	8	10	87	89	822076	808811	<0.2	<0.2	1.9	1.9
						1.0	0.4	256	29.0		8.1		23.0		90.4		6.1		6.0		8		87				<0.2		1.9	
					Middle	3.5	0.3	250	29.0	29.0	8.0	8.0	23.3	23.3	86.8	86.8	5.9		6.6		9		89				<0.2		2.0	
						3.5	0.3	274	29.0		8.0		23.3		86.7		5.9		6.6		10		90				<0.2		1.8	
					Bottom	6.0	0.2	234	29.0	29.0	8.0	8.0	23.4	23.4	87.1	87.2	5.9	5.9	7.5		11		91				<0.2		1.9	
						6.0	0.2	255	29.0		8.0		23.4		87.2		5.9		7.5		12		92				<0.2		1.9	
IM10	Cloudy	Rough	16:25	7.8	Surface	1.0	0.6	280	29.1	29.1	8.3	8.3	23.2	23.2	93.0	93.0	6.3	6.0	2.5	7.3	10	8	88	90	822394	809816	<0.2	<0.2	1.9	1.9
						1.0	0.7	303	29.1		8.3		23.2		92.9		6.3		2.5		11		87				<0.2		1.8	
					Middle	3.9	0.4	279	28.8	28.8	8.2	8.2	25.1	25.1	83.0	83.0	5.6		8.7		8		89				<0.2		1.9	
						3.9	0.4	289	28.8		8.2		25.1		82.9		5.6		8.9		8		90				<0.2		1.8	
					Bottom	6.8	0.3	274	28.7	28.7	8.2	8.2	25.4	25.4	84.1	84.2	5.7	5.7	10.8		6		92				<0.2		1.9	
						6.8	0.4	281	28.7		8.2		25.4		84.3		5.7		10.7		5		92				<0.2		1.8	
IM11	Cloudy	Rough	16:39	7.1	Surface	1.0	0.5	272	28.9	28.9	8.7	8.7	25.2	25.2	90.5	90.5	6.1	5.9	3.6	6.2	6	5	87	90	822041	811466	<0.2	<0.2	2.0	1.9
						1.0	0.6	294	28.9		8.7		25.2		90.4		6.1		3.6		5		88				<0.2		1.8	
					Middle	3.6	0.5	269	28.9	28.9	8.6	8.6	25.7	25.8	84.9	84.9	5.7		5.1		6		90				<0.2		1.7	
						3.6	0.5	278	28.9		8.6		25.9		84.8		5.7		5.5		5		90				<0.2		1.9	
					Bottom	6.1	0.3	272	28.8	28.8	8.7	8.7	27.2	27.2	81.1	81.2	5.4	5.4	9.5		5		92				<0.2		1.9	
						6.1	0.3	296	28.8		8.7		27.1		81.3		5.4		9.6		4		92				<0.2		1.8	
IM12	Cloudy	Rough	16:47	9.2	Surface	1.0	0.5	292	28.9	28.9	8.9	8.9	25.2	25.2	90.6	90.5	6.1	5.7	3.6	7.9	6	7	87	90	821461	812028	<0.2	<0.2	1.9	1.9
						1.0	0.5	302	28.9		8.9		25.2		90.4		6.1		3.6		6		88				<0.2		2.0	
					Middle	4.6	0.4	295	28.9	28.9	8.8	8.8	26.6	26.6	79.0	78.9	5.3		7.2		7		90				<0.2		2.0	
						4.6	0.4	299	28.9		8.8		26.6		78.8		5.2		7.4		6		90				<0.2		1.8	
					Bottom	8.2	0.2	256	28.8	28.8	8.8	8.8	27.3	27.3	76.7	76.8	5.1	5.1	12.8		7		93				<0.2		1.9	
						8.2	0.2	257	28.8		8.8		27.3		76.8		5.1		12.8		8		93				<0.2		1.9	
SR1A	Cloudy	Moderate	17:09	5.3	Surface	1.0	-	-	29.2	29.2	9.4	9.4	24.1	24.2	93.8	93.7	6.3	6.3	4.3	6.5	8	7	-	-	819981	812655	-	-	-	-
						1.0	-	-	29.2		9.4		24.2		93.6		6.3		4.7		8		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	29.0	29.0	9.4	9.4	25.2	25.1	85.9	86.2	5.8	5.8	8.4		6		-				-		-	
						4.3	-	-	29.0		9.4		25.1		86.4		5.8		8.4		6		-				-		-	
SR2	Cloudy	Rough	17:23	3.5	Surface	1.0	0.0	209	28.8	28.8	9.9	9.9	26.1	26.1	87.3	87.3	5.8	5.8	6.1	7.8	6	7	89	90	821447	814159	<0.2	<0.2	1.7	1.8
						1.0	0.0	210	28.8		9.9		26.2		87.2		5.8		6.4		7		88				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	207	28.8	28.8	10.0	10.0	26.5	26.5	87.2	87.4	5.8	5.8	9.2		7		92				<0.2		1.9	
						2.5	0.1	222	28.8		10.0		26.6		87.5		5.8		9.3		8		92				<0.2		1.8	
SR3	Cloudy	Rough	15:59	8.7	Surface	1.0	0.2	235	29.2	29.2	7.9	7.9	21.2	21.2	93.8	93.7	6.4	6.1	2.7	4.5	4	6	-	-	822143	807558	-	-	-	-
						1.0	0.2	247	29.2		7.9		21.3		93.6		6.4		2.7		5		-				-		-	
					Middle	4.4	0.3	246	29.2	29.2	7.9	7.9	21.8	21.8	85.4	85.4	5.8		3.4		5		-				-		-	
						4.4	0.3	255	29.1		7.9		21.8		85.3		5.8		3.7		5		-				-		-	
					Bottom	7.7	0.2	225	29.0	29.0	7.9	7.9	24.9	24.9	80.2	80.4	5.4	5.4	7.2		7		-				-		-	
						7.7	0.2	235	29.0		7.9		24.9		80.5		5.4		7.5		7		-				-		-	
SR4A	Sunny	Calm	17:08	8.5	Surface	1.0	0.1	14	29.6	29.6	8.2	8.2	25.8	25.8	98.1	98.1	6.5	6.4	5.2	6.5	9	9	-	-	817198	807794	-	-	-	-
						1.0	0.1	15	29.6		8.2		25.8		98.1		6.5		5.2		9		-				-		-	
					Middle	4.3	0.1	51	29.5	29.5	8.2	8.2	26.5	26.5	95.0	95.1	6.3		4.8		8		-				-		-	
						4.3	0.1	52	29.5		8.2		26.5		95.1		6.3		4.7		9		-				-		-	
					Bottom	7.5	0.1	44	29.6	29.6	8.3	8.3	28.1	28.1	99.0	99.0	6.5	6.5	9.6		8		-				-		-	
						7.5	0.1	46	29.6		8.3		28.1		99.0		6.5		9.5		8		-				-		-	
SR5A	Sunny	Calm	17:26	4.8	Surface	1.0	0.0	302	29.8	29.8	8.2	8.2	25.2	25.2	97.1	97.2	6.4	6.4	5.6	7.5	8	9	-	-	816583	810679	-	-	-	-
						1.0	0.0	319	29.8		8.2		25.2		97.2		6.4		5.6		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	308	29.8	29.8	8.2	8.2	25.3	25.3	96.0	96.2	6.3	6.4	9.1		10		-				-		-	
						3.8	0.1	327	29.8		8.2		25.3		96.3		6.4		9.8		10		-				-		-	
SR6A	Sunny	Calm	17:54	4.2	Surface	1.0	0.0	215	29.4	29.4	8.2	8.2	25.7	25.7	87.4	87.4	5.8	5.8	4.2	5.6	7	8	-	-	817975	814718	-	-	-	-
						1.0	0.0	221	29.4		8.2		25.7		87.4		5.8		4.2		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	287	29.4	29.4	8.3	8.3	25.9	25.9	82.1	82.0	5.4	5.4	6.9		9		-				-		-	
						3.2	0.0	311	29.4		8.3		25.9		81.9		5.4		6.9		8		-				-		-	
SR7	Cloudy	Moderate	18:27	15.9	Surface	1.0	0.0	116	28.7	28.7	10.0	10.0	28.1	28.1	79.8	79.8	5.3	5.3	2.3	3.6	5	5	-	-	823637	823721	-	-	-	-
						1.0	0.0	118	28.7		10.0		28.2		79.7		5.3		2.4		5		-				-		-	
					Middle	8.0	0.1	184	28.7	28.7	10.0	10.0	29.2	29.2	79.7	79.8	5.2		4.1		6		-				-		-	
						8.0	0.1	184	28.7		10.0		29.3		79.8		5.3		4.1		5		-				-		-	
					Bottom	14.9	0.1	76	28.7	28.7	10.0	10.0	29.5	29.5	81.2	81.3	5.3	5.3	4.3		5		-				-		-	
						14.9	0.1	80	28.7		10.0		29.5		81.3		5.3		4.4		6		-				-		-	
SR8	Cloudy	Moderate	17:00	5.1	Surface	1.0	-	-	28.9	28.9	9.2	9.2	25.7	25.8	82.0	82.0	5.5	5.5	9.9	10.1	6	7	-	-	820369	811643	-	-	-	-
						1.0	-	-	28.8		9.2		25.9		82.0		5.5		9.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	28.8	28.8	9.2	9.2	26.4	26.4	82.6	82.8	5.5	5.5	10.2		6		-				-		-	
						4.1	-	-	28.8		9.2		26.4		82.9		5.5		10.5		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 September 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Cloudy	Moderate	11:36	8.6	Surface	1.0	2.6	230	29.1	29.1	8.3	8.3	28.9	29.0	96.7	96.4	6.3	6.2	3.0	5.4	4	6	85	88	815640	804235	<0.2	<0.2	0.5	0.6
						1.0	2.7	252	29.1		8.3		29.1		96.1		6.3		3.3		5		86				<0.2		0.6	
					Middle	4.3	2.5	231	29.2	29.2	8.3	8.3	30.0	30.0	93.3	93.1	6.1		5.2		6		87				<0.2		0.5	
						4.3	2.7	237	29.2		8.3		30.0		92.9		6.0		5.2		6		89				<0.2		0.6	
					Bottom	7.6	2.4	232	29.2	29.2	8.3	8.3	30.2	30.2	91.6	91.7	5.9	6.0	7.7		8		90				<0.2		0.8	
						7.6	2.6	248	29.2		8.3		30.2		91.8		6.0		7.8		7		90				<0.2		0.8	
C2	Cloudy	Moderate	12:43	11.4	Surface	1.0	1.0	167	28.7	28.7	8.0	8.0	20.6	20.9	86.0	86.0	5.9	5.6	2.7	10.2	4	5	88	90	825685	806945	<0.2	<0.2	1.0	1.3
						1.0	1.1	180	28.7		8.0		21.2		85.9		5.9		2.9		5		88				<0.2		0.9	
					Middle	5.7	0.8	165	28.7	28.7	8.0	8.0	26.0	26.0	79.6	79.7	5.3		12.3		5		89				<0.2		1.5	
						5.7	0.9	174	28.7		8.0		26.0		79.7		5.3		12.4		5		89				<0.2		1.4	
					Bottom	10.4	0.2	163	28.7	28.7	8.0	8.0	27.6	27.6	81.0	81.1	5.4	5.4	15.6		6		92				<0.2		1.5	
						10.4	0.3	177	28.7		8.0		27.6		81.2		5.4		15.6		5		92				<0.2		1.5	
C3	Cloudy	Moderate	10:32	12.5	Surface	1.0	0.3	33	28.5	28.5	8.2	8.2	26.2	26.2	86.1	86.1	5.8	5.6	2.6	6.6	7	5	87	90	822116	817803	<0.2	<0.2	0.8	0.9
						1.0	0.3	35	28.5		8.2		26.2		86.0		5.8		2.7		6		87				<0.2		0.9	
					Middle	6.3	0.2	68	28.6	28.6	8.2	8.2	28.8	28.8	80.5	80.5	5.3		6.6		5		90				<0.2		0.8	
						6.3	0.2	69	28.6		8.2		28.8		80.5		5.3		6.5		6		90				<0.2		0.9	
					Bottom	11.5	0.2	78	28.6	28.6	8.1	8.1	29.0	29.0	80.9	80.9	5.3	5.3	10.5		4		93				<0.2		0.9	
						11.5	0.3	78	28.6		8.1		29.0		80.9		5.3		10.5		4		92				<0.2		0.9	
IM1	Fine	Moderate	12:00	5.2	Surface	1.0	0.8	83	29.3	29.3	8.2	8.2	29.1	29.1	87.7	87.8	5.7	5.7	8.5	9.0	10	10	90	91	817965	807115	<0.2	<0.2	0.5	0.7
						1.0	0.8	84	29.3		8.2		29.1		87.8		5.7		8.7		10		90				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.4	84	29.3	29.3	8.2	8.2	29.2	29.1	88.9	89.1	5.8	5.8	9.3		10		91				<0.2		0.8	
						4.2	0.4	91	29.3		8.2		29.1		89.3		5.8		9.6		11		91				<0.2		0.9	
IM2	Fine	Moderate	12:06	7.0	Surface	1.0	2.2	296	29.3	29.3	8.2	8.2	28.4	28.4	90.1	90.0	5.9	5.9	4.6	5.7	12	9	87	89	818166	806178	<0.2	<0.2	0.5	0.6
						1.0	2.3	325	29.3		8.2		28.4		89.9		5.9		4.8		10		87				<0.2		0.6	
					Middle	3.5	2.8	294	29.2	29.2	8.3	8.3	28.9	29.0	88.5	88.4	5.8		5.7		9		89				<0.2		0.5	
						3.5	2.9	294	29.2		8.3		29.0		88.3		5.8		5.6		8		90				<0.2		0.5	
					Bottom	6.0	3.1	292	29.2	29.2	8.3	8.3	29.8	29.7	88.1	88.3	5.7	5.8	6.9		7		91				<0.2		0.8	
						6.0	3.2	298	29.2		8.3		29.7		88.5		5.8		6.8		6		92				<0.2		0.9	
IM3	Fine	Moderate	12:13	7.1	Surface	1.0	0.2	203	29.1	29.1	8.2	8.2	28.9	28.9	87.3	87.3	5.7	5.7	13.2	15.1	9	10	88	90	818776	805575	<0.2	<0.2	0.6	0.6
						1.0	0.2	203	29.1		8.2		28.9		87.3		5.7		13.1		9		87				<0.2		0.8	
					Middle	3.6	0.1	245	29.2	29.2	8.2	8.2	29.0	29.0	87.8	87.9	5.7		15.4		10		89				<0.2		0.6	
						3.6	0.1	259	29.2		8.2		29.0		87.9		5.7		15.4		11		90				<0.2		0.6	
					Bottom	6.1	0.1	267	29.2	29.2	8.3	8.3	29.1	29.1	89.0	89.2	5.8	5.8	16.7		12		92				<0.2		0.6	
						6.1	0.1	275	29.2		8.3		29.1		89.3		5.8		16.8		11		92				<0.2		0.6	
IM4	Fine	Moderate	12:22	8.1	Surface	1.0	1.6	230	29.2	29.2	8.2	8.2	26.6	26.6	87.7	87.8	5.8	5.8	6.0	6.7	11	10	87	90	819732	804588	<0.2	<0.2	0.7	0.6
						1.0	1.6	250	29.2		8.2		26.6		87.8		5.8		5.9		11		88				<0.2		0.6	
					Middle	4.1	1.2	226	29.1	29.1	8.2	8.2	27.4	27.4	88.4	88.4	5.8		6.3		10		90				<0.2		0.6	
						4.1	1.3	244	29.1		8.2		27.5		88.4		5.8		6.6		9		91				<0.2		0.5	
					Bottom	7.1	1.0	225	29.1	29.1	8.2	8.2	27.5	27.4	88.1	88.1	5.8	5.8	7.6		8		91				<0.2		0.6	
						7.1	1.0	241	29.1		8.2		27.4		88.0		5.8		7.8		8		92				<0.2		0.7	
IM5	Fine	Moderate	12:32	7.6	Surface	1.0	1.3	137	29.2	29.2	8.2	8.2	25.4	25.4	89.7	89.7	6.0	6.0	3.7	5.1	6	7	86	88	820744	804864	<0.2	<0.2	0.6	0.7
						1.0	1.3	143	29.2		8.2		25.4		89.7		6.0		3.7		6		86				<0.2		0.6	
					Middle	3.8	1.2	142	29.0	29.0	8.2	8.2	27.4	27.4	89.1	89.1	5.9		5.2		7		88				<0.2		0.6	
						3.8	1.2	148	29.0		8.2		27.4		89.1		5.9		5.1		8		88				<0.2		0.5	
					Bottom	6.6	1.1	134	29.0	29.0	8.2	8.2	27.7	27.7	90.0	90.2	5.9	6.0	6.4		8		91				<0.2		0.9	
						6.6	1.2	145	29.0		8.2		27.7		90.3		6.0		6.5		8		90				<0.2		0.8	
IM6	Fine	Moderate	12:42	7.1	Surface	1.0	1.0	331	29.2	29.2	8.2	8.2	24.4	24.4	87.6	87.4	5.9	5.8	3.7	5.7	6	8	87	90	821061	805808	<0.2	<0.2	0.6	0.6
						1.0	1.1	340	29.2		8.2		24.4		87.2		5.8		4.0		7		88				<0.2		0.6	
					Middle	3.6	0.3	41	29.1	29.1	8.2	8.2	27.4	27.5	87.5	87.7	5.8		5.7		8		90				<0.2		0.6	
						3.6	0.3	44	29.1		8.2		27.5		87.8		5.8		5.6		7		90				<0.2		0.6	
					Bottom	6.1	0.4	11	29.1	29.1	8.2	8.2	28.0	28.0	89.1	89.2	5.9	5.9	7.5		10		92				<0.2		0.6	
						6.1	0.5	11	29.1		8.2		28.0		89.3		5.9		7.6		9		92				<0.2		0.6	
IM7	Fine	Moderate	12:52	8.4	Surface	1.0	3.1	57	29.3	29.3	8.1	8.1	24.1	24.1	86.2	85.9	5.8	5.7	3.5	5.7	5	6	87	90	821365	806842	<0.2	<0.2	0.5	0.6
						1.0	3.2	58	29.3		8.1		24.1		85.6		5.7		3.7		4		88				<0.2		0.6	
					Middle	4.2	3.0	58	29.2	29.2	8.2	8.2	26.1	26.1	84.1	84.2	5.6		5.6		6		90				<0.2		0.6	
						4.2	3.3	62	29.1		8.2		26.1		84.3		5.6		5.6		6		90				<0.2		0.6	
					Bottom	7.4	2.9	63	29.1	29.2	8.2	8.2	28.0	28.0	85.6	85.9	5.6	5.7	7.8		7		93				<0.2		0.5	
						7.4	3.0	66	29.2		8.2		28.0		86.2		5.7		7.9		8		93				<0.2		0.5	
IM8	Cloudy	Moderate	12:12	7.4	Surface	1.0	0.2	180	28.7	28.7	7.8	7.8	24.6	24.6	86.4	86.3	5.8	5.8	3.5	5.3	4	4	88	91	821812	808130	<0.2	<0.2	1.0	1.2
						1.0	0.3	190	28.7		7.8		24.7		86.2		5.8		3.6		4		89				<0.2		1.0	
					Middle	3.7	0.2	192	28.6	28.6	7.8	7.8	26.1	26.1	85.6	85.7	5.7		5.7		4		90				<0.2		1.1	
						3.7	0.2	205	28.6		7.8		26.1		85.7		5.7		5.8		5		90				<0.2		1.2	
					Bottom	6.4	0.2	236	28.6	28.6	7.8	7.8	26.2	26.2	86.5	86.6	5.8	5.8	6.7		5		93				<0.2		1.4	
						6.4	0.2	240	28.6		7.8		26.2		86.6		5.8		6.7		4		94				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 September 20 during Mid-Ebb Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (μg/L)		Nickel (μg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:06	7.3	Surface	1.0	0.2	125	28.7	28.7	7.8	7.8	23.7	23.7	87.9	87.8	6.0	5.9	3.2	5.3	4	5	90	91	822090	808817	<0.2	<0.2	1.2	1.2
						1.0	0.2	129	28.7		7.8		23.7		87.6		5.9		3.5		5		90				<0.2		1.1	
					Middle	3.7	0.3	119	28.6	28.6	7.9	7.9	26.2	26.2	87.0	87.1	5.8		5.9		4		90				<0.2		1.2	
						3.7	0.4	126	28.6		7.9		26.2		87.2		5.8		6.0		4		91				<0.2		1.2	
					Bottom	6.3	0.2	87	28.6	28.6	7.9	7.9	26.3	26.3	89.8	89.9	6.0	6.0	6.5		6		92				<0.2		1.2	
						6.3	0.2	88	28.6		7.9		26.3		90.0		6.0		6.5		5		92				<0.2		1.2	
IM10	Cloudy	Moderate	11:58	7.6	Surface	1.0	0.6	138	28.7	28.7	8.0	8.0	24.4	24.4	86.0	86.0	5.8	5.8	3.1	5.9	4	5	88	91	822387	809808	<0.2	<0.2	1.1	1.5
						1.0	0.7	142	28.7		8.0		24.4		85.9		5.8		3.1		5		89				<0.2		1.2	
					Middle	3.8	0.6	141	28.7	28.7	8.0	8.0	25.2	25.2	85.6	85.7	5.8		4.9		5		91				<0.2		1.9	
						3.8	0.7	147	28.7		8.0		25.3		85.7		5.8		5.3		6		91				<0.2		1.7	
					Bottom	6.6	0.5	122	28.6	28.6	8.0	8.0	26.4	26.4	87.9	88.0	5.9	5.9	9.4		6		93				<0.2		1.6	
						6.6	0.5	129	28.6		8.0		26.4		88.1		5.9		9.5		6		93				<0.2		1.5	
IM11	Cloudy	Moderate	11:44	7.8	Surface	1.0	0.8	111	28.6	28.6	8.2	8.2	24.7	24.7	85.9	85.9	5.8	5.7	2.9	9.4	7	5	88	91	822050	811472	<0.2	<0.2	1.4	1.4
						1.0	0.8	117	28.6		8.2		24.7		85.8		5.8		2.9		6		89				<0.2		1.5	
					Middle	3.9	0.7	110	28.6	28.6	8.2	8.2	25.6	25.6	83.8	83.8	5.6		11.4		5		90				<0.2		1.4	
						3.9	0.7	120	28.6		8.2		25.6		83.8		5.6		11.3		6		90				<0.2		1.4	
					Bottom	6.8	0.4	98	28.6	28.6	8.2	8.1	25.8	25.8	84.4	84.5	5.7	5.7	14.0		4		93				<0.2		1.3	
						6.8	0.4	107	28.6		7.9		25.8		84.5		5.7		14.0		4		93				<0.2		1.3	
IM12	Cloudy	Moderate	11:36	9.6	Surface	1.0	0.6	106	28.6	28.6	7.9	7.9	24.7	24.7	87.1	87.0	5.9	5.7	3.1	6.2	4	6	88	91	821480	812048	<0.2	<0.2	1.2	1.1
						1.0	0.6	112	28.6		7.9		24.7		86.9		5.9		3.0		4		100				<0.2		1.1	
					Middle	4.8	0.5	96	28.6	28.6	7.9	7.9	26.6	26.7	82.0	82.1	5.5		6.6		5		89				<0.2		1.1	
						4.8	0.6	101	28.6		7.9		26.7		82.1		5.5		6.6		6		89				<0.2		1.1	
					Bottom	8.6	0.3	83	28.6	28.6	7.9	7.9	26.8	26.8	84.7	84.9	5.7	5.7	9.0		8		91				<0.2		1.2	
						8.6	0.3	85	28.6		7.9		26.8		85.0		5.7		8.8		9		91				<0.2		1.1	
SR1A	Cloudy	Calm	11:15	4.5	Surface	1.0	-	-	28.6	28.6	7.9	7.9	25.7	25.7	84.8	84.8	5.7	5.7	3.9	3.3	6	7	-	-	819978	812664	-	-	-	-
						1.0	-	-	28.6		7.9		25.7		84.7		5.7		3.8		6		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	28.5	28.5	8.0	8.0	26.0	26.0	86.6	86.7	5.8	5.8	2.9		8		-				-		-	
						3.5	-	-	28.5		8.0		26.0		86.8		5.8		2.8		9		-				-		-	
SR2	Cloudy	Moderate	11:00	4.0	Surface	1.0	0.6	87	28.7	28.7	8.2	8.2	25.7	25.7	87.0	87.1	5.8	5.9	5.0	5.6	8	9	89	91	821442	814153	<0.2	<0.2	1.0	1.1
						1.0	0.6	90	28.6		8.2		25.8		87.2		5.9		5.1		8		90				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.4	79	28.5	28.5	8.2	8.2	26.5	26.5	89.0	89.2	6.0	6.0	6.1		9		91				<0.2		1.0	
						3.0	0.4	83	28.5		8.2		26.5		89.4		6.0		6.1		9		92				<0.2		1.0	
SR3	Cloudy	Moderate	12:18	9.0	Surface	1.0	0.4	202	28.8	28.8	7.9	7.9	23.6	23.6	88.6	88.5	6.0	5.9	2.5	7.5	6	5	-	-	822141	807593	-	-	-	-
						1.0	0.4	220	28.8		7.9		23.6		88.4		6.0		2.5		5		-				-		-	
					Middle	4.5	0.3	205	28.6	28.6	7.8	7.8	26.1	26.1	86.1	86.2	5.8		7.0		4		-				-		-	
						4.5	0.3	207	28.6		7.8		26.1		86.2		5.8		7.6		5		-				-		-	
					Bottom	8.0	0.1	299	28.5	28.5	7.8	7.8	28.0	27.9	88.6	88.7	5.9	5.9	12.6		3		-				-		-	
						8.0	0.1	327	28.5		7.8		27.9		88.8		5.9		12.6		4		-				-		-	
SR4A	Cloudy	Calm	11:17	9.6	Surface	1.0	0.9	120	29.2	29.2	8.2	8.2	28.8	28.9	87.0	86.8	5.7	5.7	7.1	9.1	10	9	-	-	817168	807789	-	-	-	-
						1.0	1.0	130	29.2		8.2		29.0		86.6		5.7		7.4		10		-				-		-	
					Middle	4.8	0.7	115	29.2	29.2	8.2	8.2	29.4	29.4	86.0	86.0	5.6		9.9		9		-				-		-	
						4.8	0.7	118	29.2		8.2		29.4		86.0		5.6		9.9		9		-				-		-	
					Bottom	8.6	0.8	118	29.2	29.2	8.2	8.2	29.5	29.5	85.9	86.0	5.6	5.6	10.2		7		-				-		-	
						8.6	0.8	120	29.2		8.2		29.5		86.0		5.6		10.1		8		-				-		-	
SR5A	Rainy	Calm	11:01	4.0	Surface	1.0	0.0	327	29.0	29.0	8.2	8.2	27.1	27.2	84.0	84.0	5.6	5.6	8.6	9.0	5	6	-	-	816581	810711	-	-	-	-
						1.0	0.0	348	29.0		8.2		27.2		84.0		5.6		8.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	97	29.0	29.0	8.2	8.2	27.7	27.7	83.8	83.9	5.5	5.5	9.3		7		-				-		-	
						3.0	0.1	99	29.0		8.2		27.7		83.9		5.5		9.2		6		-				-		-	
SR6A	Rainy	Calm	10:13	4.5	Surface	1.0	0.1	21	28.9	29.0	8.1	8.1	25.8	25.8	78.2	78.0	5.2	5.2	9.6	9.7	6	7	-	-	817942	814718	-	-	-	-
						1.0	0.1	21	29.0		8.1		25.9		77.8		5.2		9.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	178	29.1	29.1	8.1	8.1	26.3	26.3	77.0	77.0	5.1	5.1	9.7		6		-				-		-	
						3.5	0.1	184	29.1		8.1		26.3		76.9		5.1		9.6		7		-				-		-	
SR7	Cloudy	Moderate	09:54	15.8	Surface	1.0	0.4	62	28.6	28.6	8.1	8.1	28.8	28.8	81.6	81.6	5.4	5.4	2.5	3.4	6	5	-	-	823616	823747	-	-	-	-
						1.0	0.4	66	28.6		8.1		28.8		81.6		5.4		2.5		6		-				-		-	
					Middle	7.9	0.2	51	28.5	28.5	8.0	8.0	29.5	29.5	80.3	80.3	5.3		3.8		5		-				-		-	
						7.9	0.2	52	28.5		8.0		29.5		80.3		5.3		3.8		6		-				-		-	
					Bottom	14.8	0.2	12	28.5	28.5	7.9	7.8	29.5	29.5	80.5	80.5	5.3	5.3	3.8		4		-				-		-	
						14.8	0.2	12	28.5		7.8		29.5		80.5		5.3		3.9		5		-				-		-	
SR8	Cloudy	Calm	11:26	4.9	Surface	1.0	-	-	28.9	28.9	8.0	8.0	26.1	26.1	86.6	86.7	5.8	5.8	6.3	6.8	8	8	-	-	820407	811692	-	-	-	-
						1.0	-	-	28.8		8.0		26.2		86.7		5.8		6.5		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	28.7	28.7	8.0	8.0	26.3	26.3	88.6	88.8	5.9	6.0	7.2		8		-				-		-	
						3.9	-	-	28.7		8.0		26.3		89.0		6.0		7.3		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 September 20 during Mid-Flood Tide

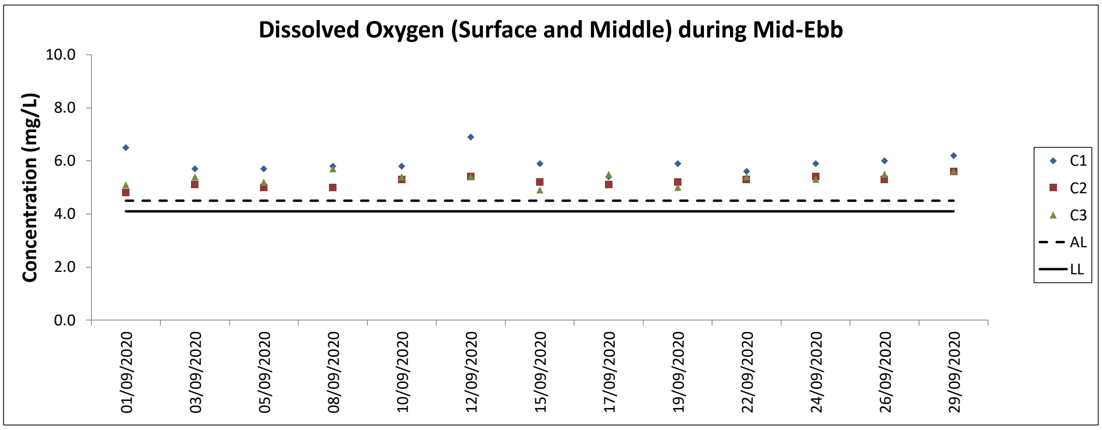
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	18:02	8.0	Surface	1.0	0.3	41	29.4	29.4	8.2	8.2	25.6	25.6	88.4	88.4	5.9	5.9	5.8	7.0	10	10	85	90	815619	804239	<0.2	<0.2	0.7	0.9
						1.0	0.3	41	29.4		8.2		25.6		88.4		5.9		5.9		11		86				<0.2		0.7	
					Middle	4.0	0.3	37	29.2	29.2	8.2	8.2	27.0	26.9	88.2	88.3	5.8		6.5		10		91				<0.2		0.9	
						4.0	0.4	38	29.2		8.2		26.8		88.4		5.8		6.6		9		90				<0.2		0.9	
					Bottom	7.0	0.3	28	29.2	29.2	8.2	8.2	29.1	29.1	89.4	89.6	5.8	5.9	8.7		9		94				<0.2		1.0	
						7.0	0.3	28	29.2		8.2		29.1		89.7		5.9		8.7		8		94				<0.2		0.9	
C2	Cloudy	Moderate	16:55	10.2	Surface	1.0	0.2	210	28.9	28.9	8.0	8.0	19.1	19.1	77.2	77.2	5.4	5.3	7.0	12.0	6	5	88	91	825689	806933	<0.2	<0.2	1.7	1.7
						1.0	0.2	223	28.9		8.0		19.0		77.2		5.4		7.6		6		89				<0.2		1.7	
					Middle	5.1	0.2	321	28.8	28.8	8.0	8.0	25.8	25.8	77.3	77.3	5.2		11.8		5		90				<0.2		1.7	
						5.1	0.2	324	28.8		8.0		25.8		77.3		5.2		11.7		5		91				<0.2		1.7	
					Bottom	9.2	0.3	338	28.8	28.8	8.1	8.1	26.9	26.9	77.7	77.7	5.2	5.2	16.7		5		93				<0.2		1.6	
						9.2	0.3	354	28.8		8.1		26.9		77.7		5.2		17.0		4		92				<0.2		1.7	
C3	Cloudy	Moderate	18:47	11.7	Surface	1.0	0.6	249	28.7	28.7	7.9	7.9	26.7	26.7	83.7	83.6	5.6	5.5	3.6	6.0	7	6	90	92	822096	817784	<0.2	<0.2	0.8	0.8
						1.0	0.6	253	28.7		7.9		26.7		83.5		5.6		3.6		6		89				<0.2		0.8	
					Middle	5.9	0.5	249	28.7	28.7	8.0	8.0	27.1	27.1	81.9	81.8	5.5		4.1		6		91				<0.2		0.8	
						5.9	0.5	263	28.7		8.0		27.1		81.7		5.4		4.1		5		91				<0.2		0.8	
					Bottom	10.7	0.4	261	28.6	28.6	8.0	8.0	28.8	28.8	81.8	81.9	5.4	5.4	10.2		4		94				<0.2		0.9	
						10.7	0.4	276	28.6		8.0		28.8		81.9		5.4		10.2		6		94				<0.2		0.9	
IM1	Fine	Calm	17:43	4.9	Surface	1.0	0.2	346	29.4	29.4	8.2	8.2	28.6	28.7	89.8	89.9	5.9	5.9	9.6	9.7	8	10	88	91	817950	807152	<0.2	<0.2	0.8	0.8
						1.0	0.2	351	29.4		8.2		28.7		89.9		5.9		9.8		9		88				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	276	29.3	29.3	8.2	8.2	28.8	28.8	91.0	91.2	6.0	6.0	9.7		11		93				<0.2		0.8	
						3.9	0.2	284	29.2		8.2		28.9		91.4		6.0		9.5		12		94				<0.2		0.8	
IM2	Fine	Moderate	17:36	6.5	Surface	1.0	0.2	350	29.3	29.3	8.2	8.2	28.5	28.5	88.0	88.0	5.8	5.8	9.2	10.5	6	6	85	91	818164	806176	<0.2	<0.2	0.9	1.0
						1.0	0.3	322	29.3		8.2		28.5		88.0		5.8		9.2		6		86				<0.2		0.9	
					Middle	3.3	0.3	12	29.2	29.2	8.2	8.2	28.8	28.8	87.2	87.2	5.7		10.2		6		91				<0.2		1.0	
						3.3	0.3	12	29.2		8.2		28.8		87.2		5.7		10.3		6		93				<0.2		1.0	
					Bottom	5.5	0.1	32	29.2	29.2	8.2	8.2	28.9	28.9	88.8	89.0	5.8	5.8	12.1		6		93				<0.2		1.0	
						5.5	0.1	34	29.2		8.2		28.9		89.1		5.8		12.1		6		95				<0.2		1.1	
IM3	Fine	Moderate	17:30	6.6	Surface	1.0	0.4	333	29.3	29.3	8.2	8.2	28.2	28.2	89.2	89.1	5.8	5.8	9.9	10.5	9	10	87	91	818789	805606	<0.2	<0.2	0.9	0.9
						1.0	0.5	358	29.3		8.2		28.2		89.0		5.8		9.6		9		87				<0.2		0.8	
					Middle	3.3	0.3	328	29.3	29.3	8.2	8.2	28.4	28.4	88.5	88.5	5.8		10.2		10		90				<0.2		0.9	
						3.3	0.4	345	29.3		8.2		28.4		88.4		5.8		10.4		11		91				<0.2		0.9	
					Bottom	5.6	0.3	304	29.2	29.2	8.2	8.2	29.5	29.5	86.4	86.6	5.6	5.7	11.4		12		95				<0.2		1.0	
						5.6	0.3	311	29.2		8.2		29.4		86.7		5.7		11.3		11		94				<0.2		1.0	
IM4	Fine	Moderate	17:21	7.6	Surface	1.0	0.4	342	29.4	29.4	8.2	8.2	25.4	25.5	88.8	88.9	5.9	6.0	6.5	6.0	9	9	87	91	819715	804590	<0.2	<0.2	0.6	0.6
						1.0	0.4	346	29.4		8.2		25.5		89.0		5.9		6.6		8		88				<0.2		0.6	
					Middle	3.8	0.4	355	29.5	29.5	8.2	8.2	28.4	28.4	92.6	92.6	6.0		5.0		10		91				<0.2		0.6	
						3.8	0.4	327	29.5		8.2		28.4		92.5		6.0		5.1		9		92				<0.2		0.6	
					Bottom	6.6	0.3	321	29.4	29.4	8.2	8.2	28.6	28.6	91.7	91.9	6.0	6.0	6.5		10		95				<0.2		0.6	
						6.6	0.3	324	29.4		8.2		28.6		92.0		6.0		6.5		9		95				<0.2		0.6	
IM5	Fine	Moderate	17:15	7.0	Surface	1.0	0.3	329	29.4	29.4	8.1	8.1	23.6	23.6	82.6	82.6	5.5	5.6	8.6	9.5	6	6	86	91	820723	804883	<0.2	<0.2	0.5	0.5
						1.0	0.4	359	29.3		8.1		23.6		82.6		5.5		8.8		6		87				<0.2		0.6	
					Middle	3.5	0.6	359	29.3	29.3	8.1	8.1	23.8	23.8	82.7	82.7	5.6		9.4		6		90				<0.2		0.6	
						3.5	0.6	330	29.3		8.1		23.8		82.7		5.6		9.6		5		91				<0.2		0.5	
					Bottom	6.0	0.4	355	29.3	29.3	8.1	8.1	23.8	23.8	83.1	83.2	5.6	5.6	10.2		5		95				<0.2		0.5	
						6.0	0.4	337	29.3		8.1		23.8		83.2		5.6		10.3		6		94				<0.2		0.5	
IM6	Fine	Moderate	17:10	6.4	Surface	1.0	0.3	289	29.5	29.5	8.1	8.1	21.7	21.8	82.8	83.0	5.6	5.7	6.0	8.1	6	6	85	90	821055	805835	<0.2	<0.2	0.6	0.6
						1.0	0.3	301	29.5		8.1		21.8		83.2		5.6		6.3		7		86				<0.2		0.5	
					Middle	3.2	0.2	263	29.4	29.4	8.1	8.1	23.5	23.6	85.1	85.2	5.7		8.7		7		90				<0.2		0.5	
						3.2	0.2	263	29.4		8.1		23.6		85.2		5.7		8.8		6		90				<0.2		0.6	
					Bottom	5.4	0.1	11	29.4	29.4	8.1	8.1	23.6	23.6	86.7	86.9	5.8	5.9	9.4		6		95				<0.2		0.6	
						5.4	0.1	11	29.4		8.1		23.6		87.1		5.9		9.3		5		94				<0.2		0.6	
IM7	Fine	Moderate	17:00	7.5	Surface	1.0	0.2	235	29.5	29.5	8.1	8.1	22.4	22.5	82.4	82.4	5.6	5.6	6.1	7.5	4	5	87	91	821366	806815	<0.2	<0.2	0.6	0.6
						1.0	0.2	241	29.4		8.1		22.6		82.4		5.6		6.2		5		88				<0.2		0.6	
					Middle	3.8	0.2	260	29.3	29.3	8.1	8.1	23.8	23.8	82.8	82.8	5.6		7.6		4		91				<0.2		0.6	
						3.8	0.3	278	29.3		8.1		23.8		82.7		5.6		7.7		5		92				<0.2		0.6	
					Bottom	6.5	0.2	246	29.3	29.3	8.2	8.2	24.1	24.1	85.3	85.4	5.7	5.7	8.8		5		92				<0.2		0.6	
						6.5	0.2	262	29.3		8.2		24.1		85.5		5.7		8.9		5		93				<0.2		0.6	
IM8	Cloudy	Moderate	17:17	7.2	Surface	1.0	0.1	193	29.1	29.1	8.1	8.1	16.6	16.6	89.0	89.0	6.2	6.0	7.8	9.6	6	5	87	89	821846	808154	<0.2	<0.2	1.6	1.7
						1.0	0.1	207	29.1		8.1		16.6		88.9		6.2		8.3		6		87				<0.2		1.7	
					Middle	3.6	0.0	105	28.9	28.9	8.2	8.2	22.9	22.9	84.8	84.9	5.8		6.0		5		88				<0.2		1.6	
						3.6	0.0	108	28.9		8.2		22.9		84.9		5.8		6.1		5		89				<0.2		1.7	
					Bottom	6.2	0.1	58	28.8	28.8	8.2	8.2	23.2	23.2	85.3	85.4	5.8	5.8	14.6		4		92				<0.2		1.7	
						6.2	0.1	60	28.8		8.2		23.2		85.4		5.8		14.8		4		92				<0.2		1.7	

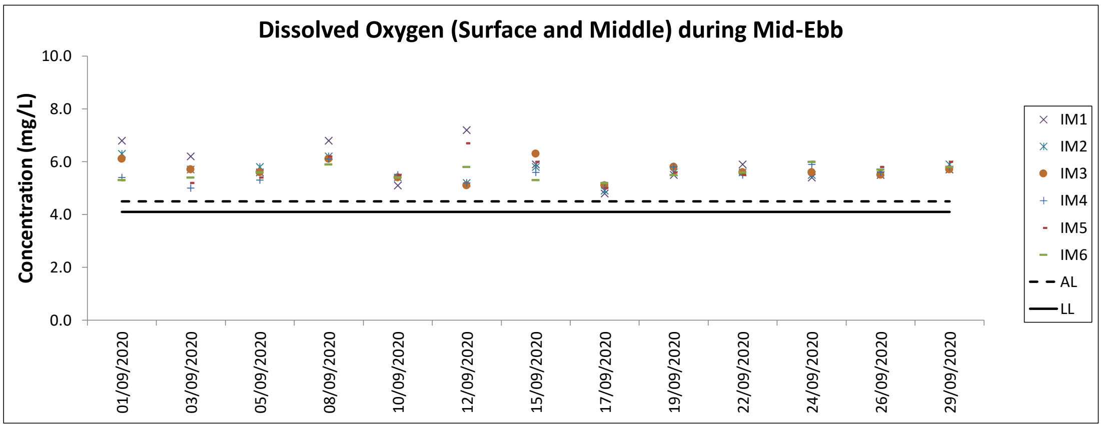
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 September 20 during Mid-Flood Tide

Monitoring Station	Weather	Sea	Sampling	Water	Sampling Depth (m)		Current Speed	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid	Coordinate HK Grid	Chromium (µg/L)		Nickel (µg/L)	
	Condition	Condition	Time	Depth (m)			(m/s)		Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	(Northing)	(Easting)	Value	DA	Value	DA
IM9	Cloudy	Moderate	17:22	7.3	Surface	1.0	0.1	37	29.2	29.2	8.1	8.1	18.7	18.7	87.4	87.3	6.0	5.9	3.3	5.8	4	5	88	91	822085	808810	<0.2	<0.2	1.6	1.6
						1.0	0.1	38	29.2		8.1		18.7		87.2		6.0		3.3		6		88				<0.2		1.5	
					Middle	3.7	0.1	29	29.0	29.0	8.1	8.1	20.5	20.5	84.3	84.2	5.8		4.2		5		90				<0.2		1.7	
						3.7	0.1	29	29.0		8.1		20.5		84.1		5.8		4.1		4		91				<0.2		1.6	
					Bottom	6.3	0.1	288	28.9	28.9	8.1	8.1	23.2	23.2	84.2	84.3	5.7	5.7	10.0		4		94				<0.2		1.6	
						6.3	0.1	296	28.9		8.1		23.1		84.4		5.7		10.2		4		94				<0.2		1.6	
IM10	Cloudy	Moderate	17:29	6.9	Surface	1.0	0.4	321	29.1	29.1	8.0	8.0	20.5	20.5	85.7	85.5	5.9	5.8	3.4	4.7	5	5	89	90	822395	809776	<0.2	<0.2	1.6	1.5
						1.0	0.5	348	29.1		8.0		20.5		85.3		5.9		3.6		4		89				<0.2		1.6	
					Middle	3.5	0.5	304	28.9	28.9	8.0	8.0	23.0	23.0	84.1	84.2	5.7		4.8		4		90				<0.2		1.4	
						3.5	0.5	305	28.9		8.0		23.0		84.2		5.7		5.0		5		90				<0.2		1.3	
					Bottom	5.9	0.4	309	28.8	28.8	8.0	8.0	23.2	23.2	86.0	86.1	5.8	5.9	5.7		6		92				<0.2		1.4	
						5.9	0.4	320	28.8		8.0		23.2		86.2		5.9		5.7		5		92				<0.2		1.4	
IM11	Cloudy	Moderate	17:41	7.4	Surface	1.0	0.3	326	28.9	28.9	8.1	8.1	23.1	23.1	86.7	86.8	5.9	6.0	3.4	8.2	4	5	89	91	822040	811468	<0.2	<0.2	1.2	1.2
						1.0	0.3	350	28.9		8.1		23.1		86.8		5.9		3.4		3		89				<0.2		1.2	
					Middle	3.7	0.3	312	28.7	28.7	8.0	8.0	24.5	24.5	88.6	88.9	6.0		7.4		5		91				<0.2		1.2	
						3.7	0.4	318	28.7		8.0		24.5		89.1		6.0		8.0		4		92				<0.2		1.1	
					Bottom	6.4	0.2	300	28.7	28.7	8.1	8.1	25.4	25.4	92.1	92.5	6.2	6.2	13.2		6		93				<0.2		1.1	
						6.4	0.3	311	28.7		8.1		25.4		92.9		6.2		13.8		7		93				<0.2		1.2	
IM12	Cloudy	Moderate	17:47	9.2	Surface	1.0	0.4	293	28.9	28.9	8.1	8.1	23.7	23.7	88.8	88.8	6.0	5.9	3.1	5.7	5	6	87	91	821468	812033	<0.2	<0.2	1.1	1.2
						1.0	0.4	293	28.9		8.1		23.6		88.8		6.0		3.1		4		88				<0.2		1.2	
					Middle	4.6	0.5	317	28.8	28.8	8.1	8.1	24.6	24.7	86.4	86.3	5.8		3.8		5		92				<0.2		1.2	
						4.6	0.5	340	28.8		8.1		24.8		86.1		5.8		3.9		5		92				<0.2		1.2	
					Bottom	8.2	0.2	296	28.7	28.7	8.1	8.1	25.4	25.4	85.4	85.5	5.7	5.7	10.2		7		93				<0.2		1.2	
						8.2	0.2	304	28.7		8.1		25.4		85.5		5.7		10.1		7		94				<0.2		1.1	
SR1A	Cloudy	Moderate	18:07	4.4	Surface	1.0	-	-	28.9	28.9	7.9	7.9	24.6	24.6	93.4	93.4	6.3	6.3	3.1	3.5	8	7	-	-	819976	812666	-	-	-	-
						1.0	-	-	28.9		7.9		24.7		93.4		6.3		3.2		7		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	28.8	28.8	8.0	8.0	24.9	24.9	94.6	94.7	6.4	6.4	3.8		7		-				-		-	
						3.4	-	-	28.8		8.0		24.9		94.7		6.4		4.0		7		-				-		-	
SR2	Cloudy	Moderate	18:21	3.2	Surface	1.0	0.1	153	28.8	28.9	8.0	8.0	25.5	25.5	88.7	88.8	5.9	6.0	4.9	5.2	6	7	88	91	821448	814185	<0.2	<0.2	1.1	1.0
						1.0	0.1	165	28.9		8.0		25.5		88.9		6.0		4.8		6		88				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.1	21	28.8	28.8	8.0	8.0	25.6	25.6	89.6	89.8	6.0	6.0	5.5		9		93				<0.2		1.0	
						2.2	0.1	21	28.8		8.0		25.6		89.9		6.0		5.5		8		93				<0.2		1.0	
SR3	Cloudy	Moderate	17:12	8.9	Surface	1.0	0.1	180	28.9	28.9	8.1	8.1	22.1	22.1	81.1	81.1	5.5	5.5	5.8	7.7	8	7	-	-	822163	807572	-	-	-	-
						1.0	0.2	193	28.9		8.1		22.1		81.1		5.5		5.8		9		-				-		-	
					Middle	4.5	0.1	209	28.8	28.8	8.1	8.1	23.7	23.7	82.0	82.1	5.5		7.1		7		-				-		-	
						4.5	0.1	219	28.8		8.1		23.7		82.1		5.6		7.3		7		-				-		-	
					Bottom	7.9	0.1	193	28.8	28.8	8.1	8.1	24.3	24.3	84.2	84.3	5.7	5.7	10.1		6		-				-		-	
						7.9	0.1	194	28.8		8.1		24.3		84.4		5.7		10.3		5		-				-		-	
SR4A	Fine	Calm	18:22	8.8	Surface	1.0	5.2	201	29.2	29.2	8.2	8.2	26.8	26.8	87.6	87.6	5.8	5.8	10.3	11.6	13	11	-	-	817183	807788	-	-	-	-
						1.0	5.4	211	29.2		8.2		26.8		87.6		5.8		10.6		12		-				-		-	
					Middle	4.4	5.0	201	29.2	29.2	8.2	8.2	26.9	26.9	87.4	87.5	5.8		11.9		10		-				-		-	
						4.4	5.3	210	29.2		8.2		26.9		87.5		5.8		11.7		11		-				-		-	
					Bottom	7.8	5.1	198	29.2	29.2	8.2	8.2	27.0	27.0	87.5	87.5	5.8	5.8	12.6		9		-				-		-	
						7.8	5.2	198	29.2		8.2		27.0		87.5		5.8		12.8		10		-				-		-	
SR5A	Fine	Calm	18:46	3.2	Surface	1.0	0.2	290	29.3	29.3	8.2	8.1	26.6	26.6	86.7	86.7	5.7	5.7	11.6	11.5	9	10	-	-	816582	810687	-	-	-	-
						1.0	0.3	300	29.3		8.1		26.6		86.7		5.7		11.6		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.2	295	29.3	29.3	8.1	8.1	26.6	26.6	87.8	87.9	5.8	5.8	11.4		11		-				-		-	
						2.2	0.3	309	29.2		8.1		26.6		88.0		5.8		11.3		10		-				-		-	
SR6A	Fine	Calm	19:14	3.8	Surface	1.0	0.1	208	29.3	29.3	8.2	8.2	26.6	26.6	81.3	81.2	5.4	5.4	12.0	12.1	9	11	-	-	817971	814749	-	-	-	-
						1.0	0.1	210	29.3		8.2		26.7		81.1		5.4		11.9		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	229	29.3	29.3	8.2	8.2	26.8	26.8	80.9	81.0	5.4	5.4	12.2		12		-				-		-	
						2.8	0.1	237	29.3		8.2		26.8		81.0		5.4		12.3		14		-				-		-	
SR7	Cloudy	Moderate	19:36	15.7	Surface	1.0	0.1	36	28.7	28.7	8.2	8.2	27.8	27.8	83.8	83.8	5.6	5.5	3.2	5.5	7	5	-	-	823636	823758	-	-	-	-
						1.0	0.1	39	28.6		8.2		27.8		83.7		5.6		3.3		6		-				-		-	
					Middle	7.9	0.2	98	28.6	28.6	8.1	8.1	28.7	28.7	82.4	82.5	5.4		5.9		4		-				-		-	
						7.9	0.2	105	28.6		8.1		28.8		82.5		5.5		6.1		5		-				-		-	
					Bottom	14.7	0.1	83	28.6	28.6	8.0	8.0	28.9	28.9	83.6	83.7	5.5	5.5	7.2		4		-				-		-	
						14.7	0.1	90	28.6		8.0		28.9		83.7		5.5		7.0		4		-				-		-	
SR8	Cloudy	Moderate	17:57	4.7	Surface	1.0	-	-	29.2	29.2	8.0	8.0	23.7	23.7	93.5	93.6	6.3	6.3	7.4	8.6	10	11	-	-	820414	811654	-	-	-	-
						1.0	-	-	29.2		8.0		23.8		93.6		6.3		7.6		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	29.2	29.2	8.0	8.0	23.9	23.9	94.7	94.9	6.4	6.4	9.7		11		-				-		-	
						3.7	-	-	29.2		8.0		23.9		95.0		6.4		9.6		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**


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
12/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
24/09/2020
26/09/2020
29/09/2020
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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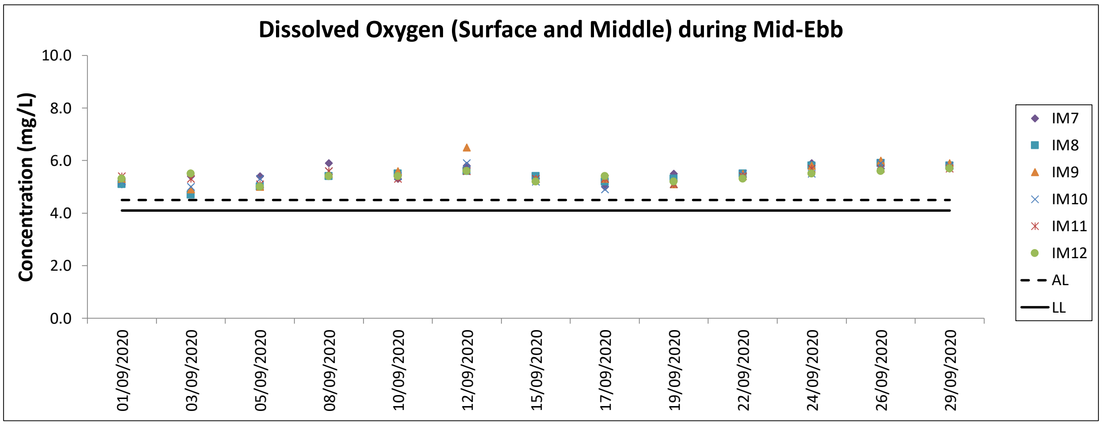
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
12/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
24/09/2020
26/09/2020
29/09/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


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
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
12/09/2020
15/09/2020
17/09/2020
19/09/2020
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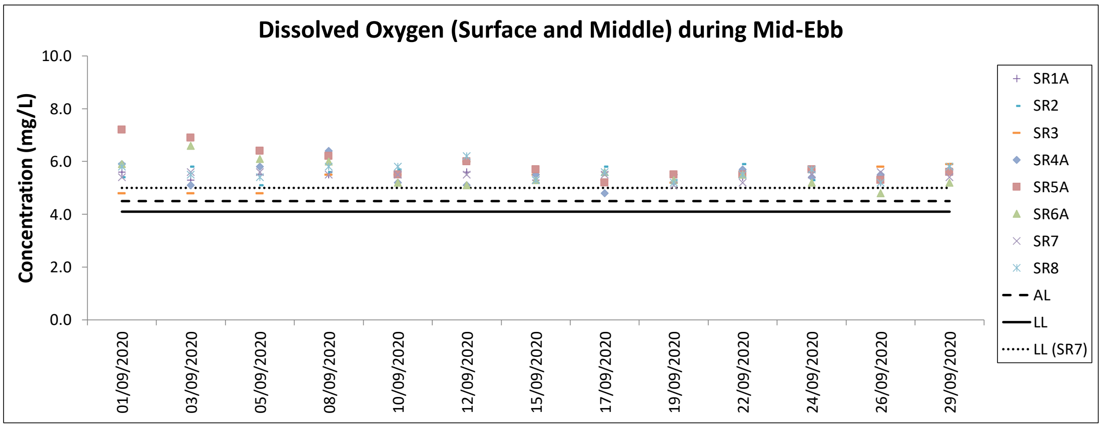
26/09/2020
29/09/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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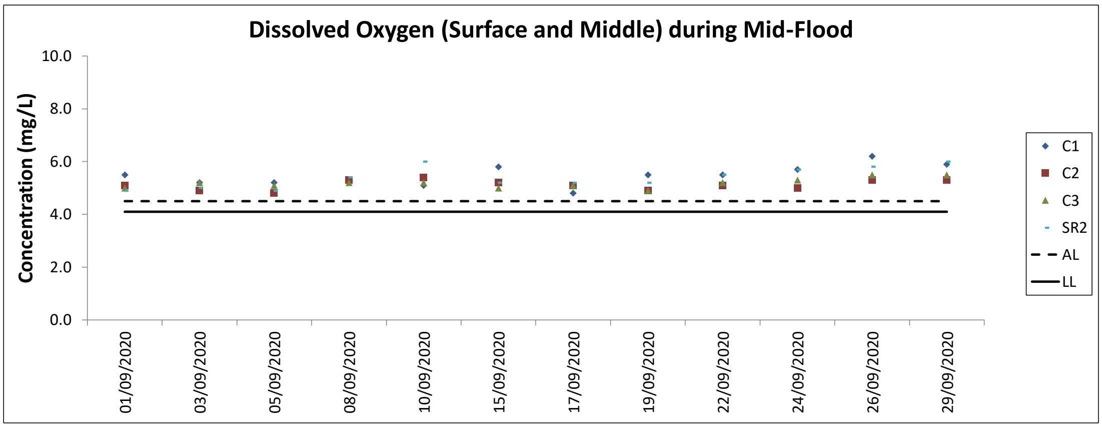
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
12/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
24/09/2020
26/09/2020
29/09/2020
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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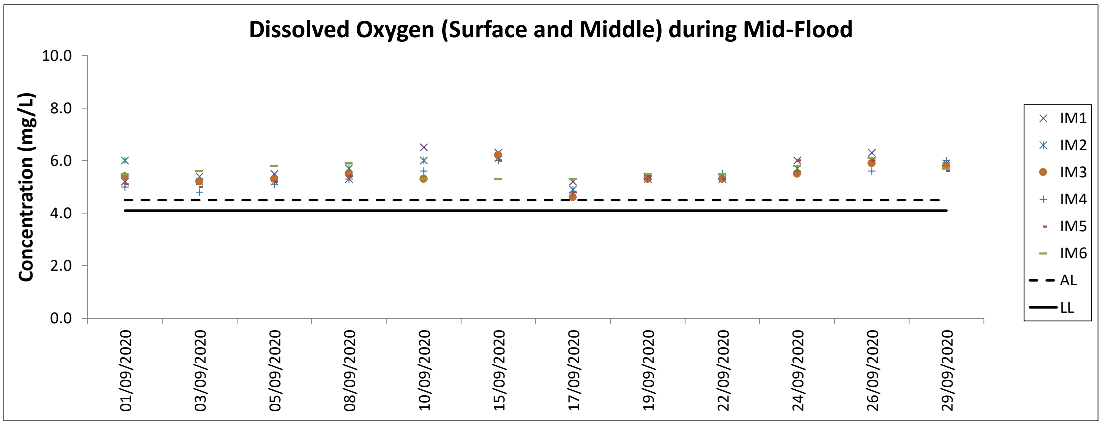
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
24/09/2020
26/09/2020
29/09/2020
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
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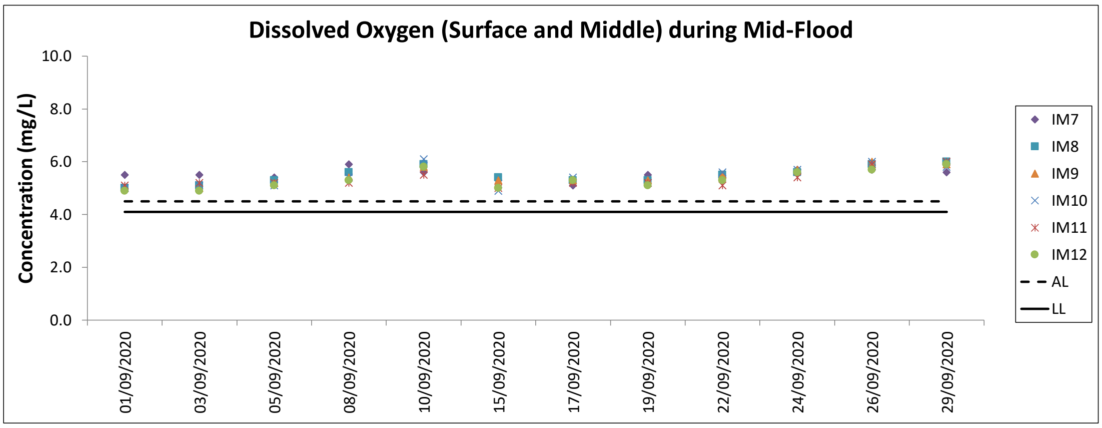
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


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
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
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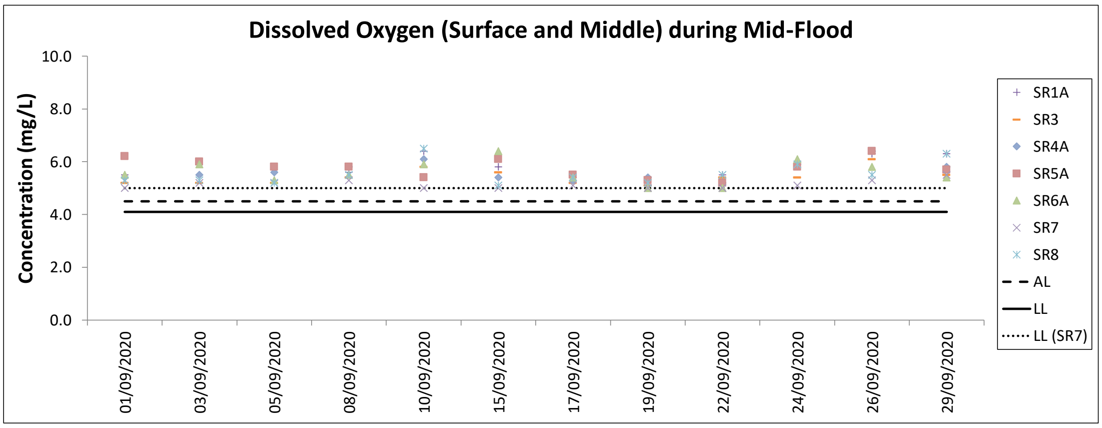
26/09/2020
29/09/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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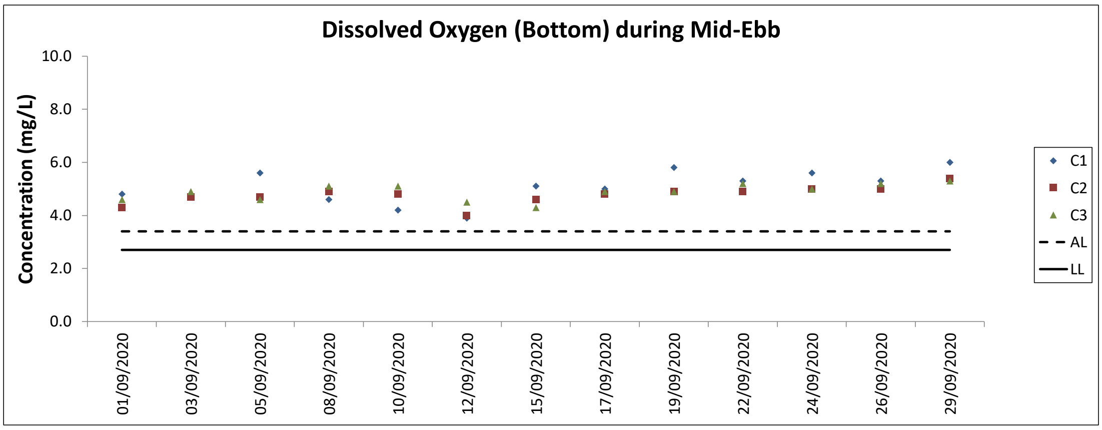
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
24/09/2020
26/09/2020
29/09/2020
SR1A
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
12/09/2020
15/09/2020
17/09/2020
19/09/2020
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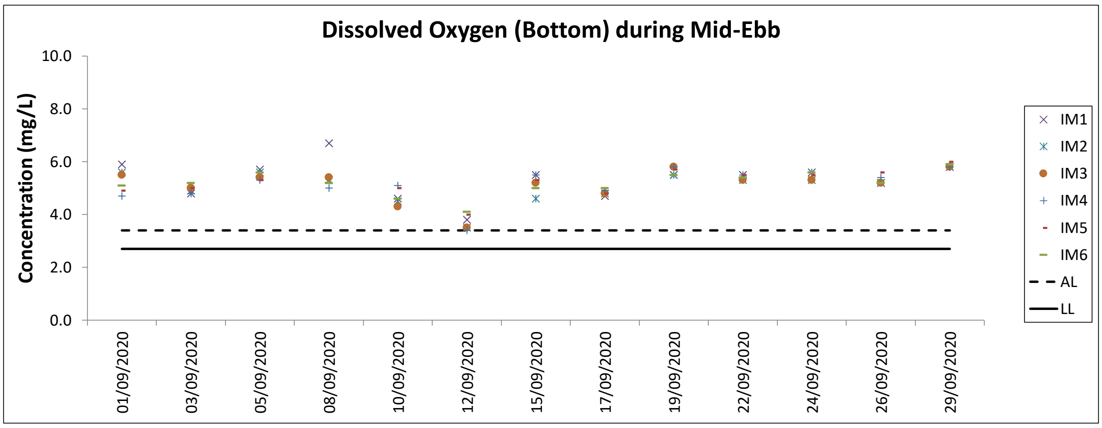
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
12/09/2020
15/09/2020
17/09/2020
19/09/2020
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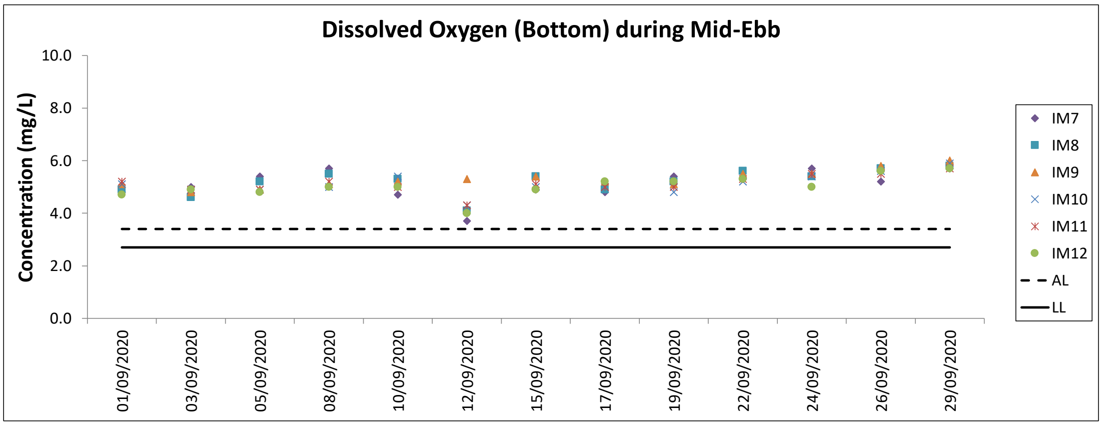
26/09/2020
29/09/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
12/09/2020
15/09/2020
17/09/2020
19/09/2020
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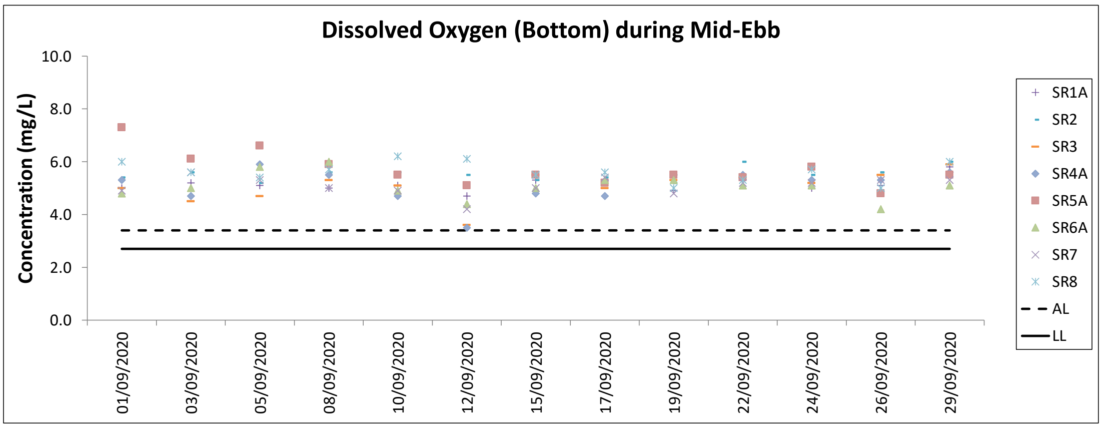
26/09/2020
29/09/2020
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
12/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
24/09/2020
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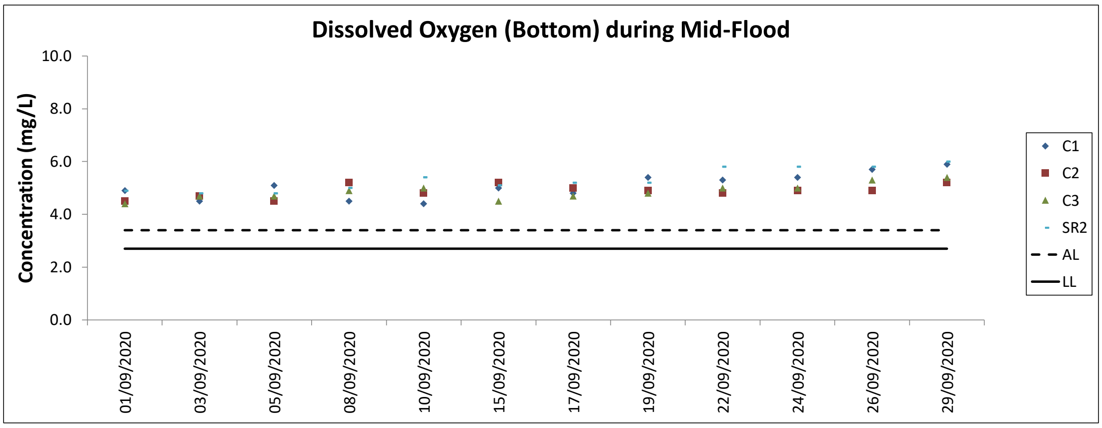
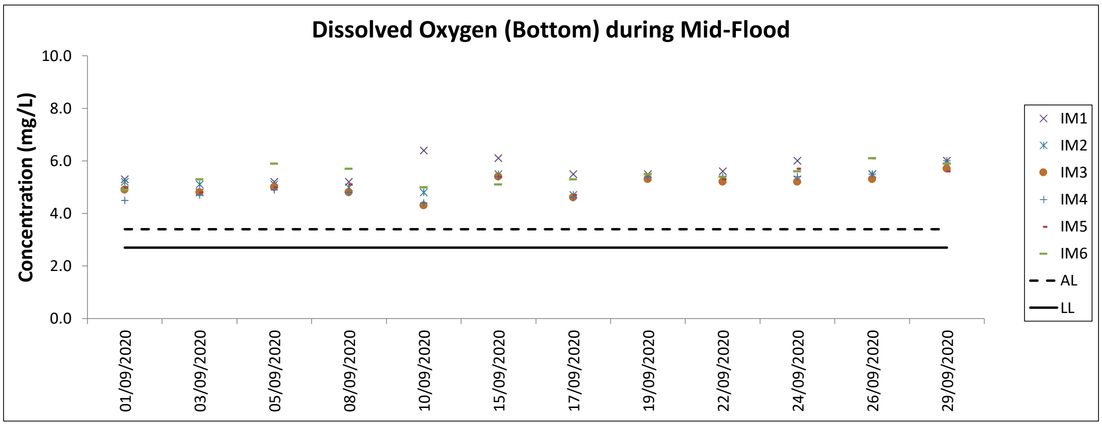
SR1A
SR2
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL



Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
24/09/2020
26/09/2020
29/09/2020
C1
C2
C3
SR2
AL
LL



Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
15/09/2020
17/09/2020
19/09/2020
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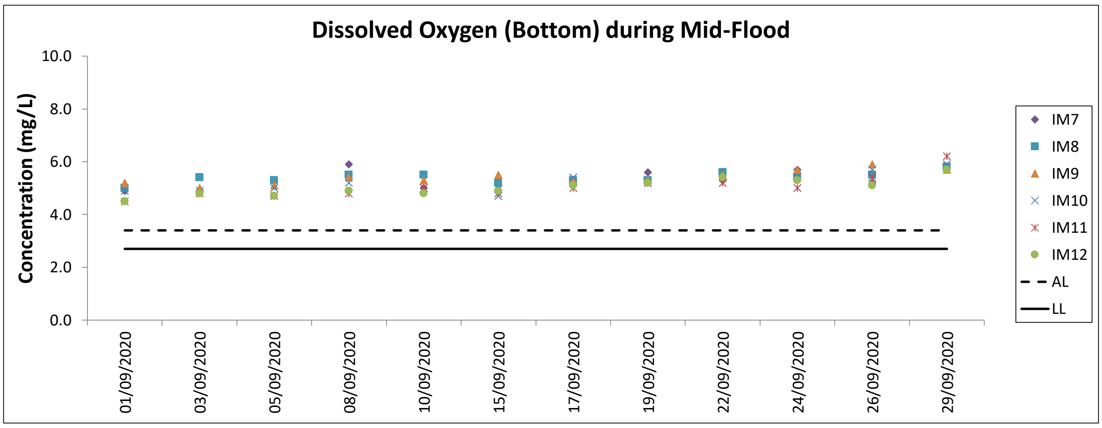
26/09/2020
29/09/2020
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL



Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
15/09/2020
17/09/2020
19/09/2020
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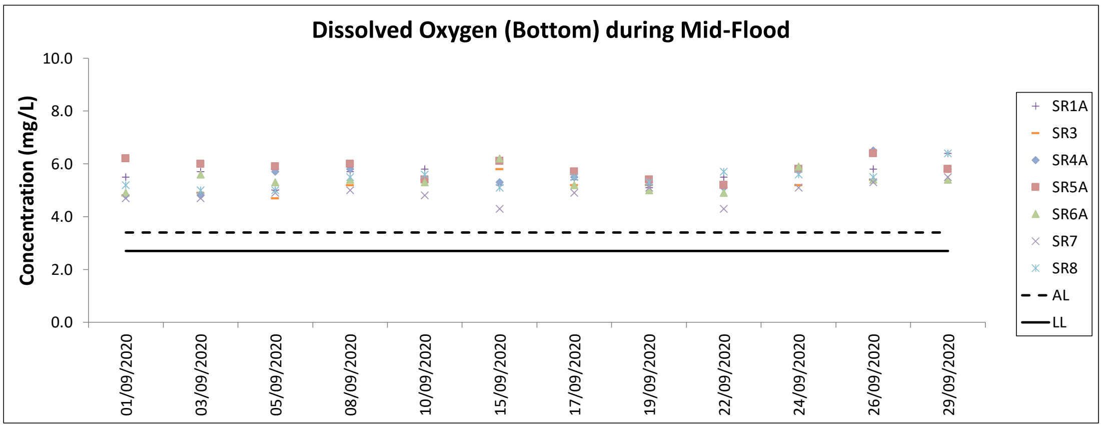
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL



Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
0.0
01/09/2020
03/09/2020
05/09/2020
08/09/2020
10/09/2020
15/09/2020
17/09/2020
19/09/2020
22/09/2020
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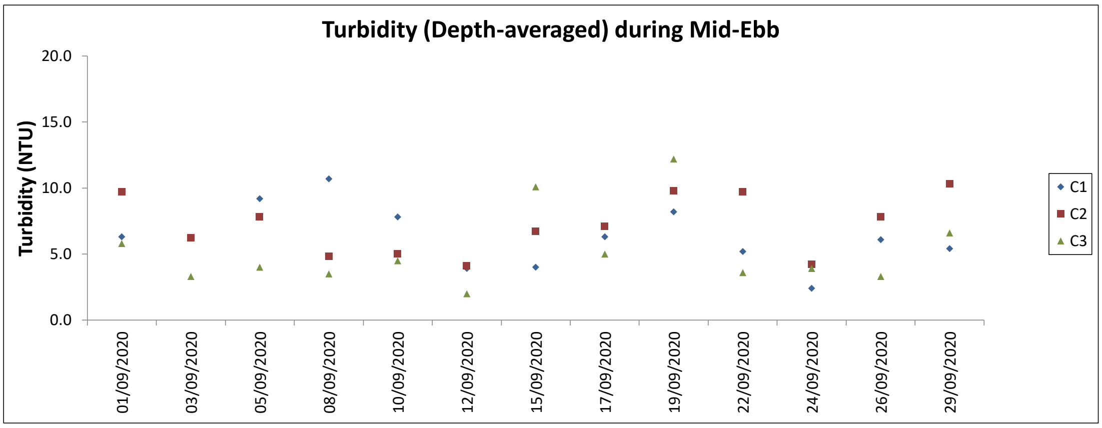
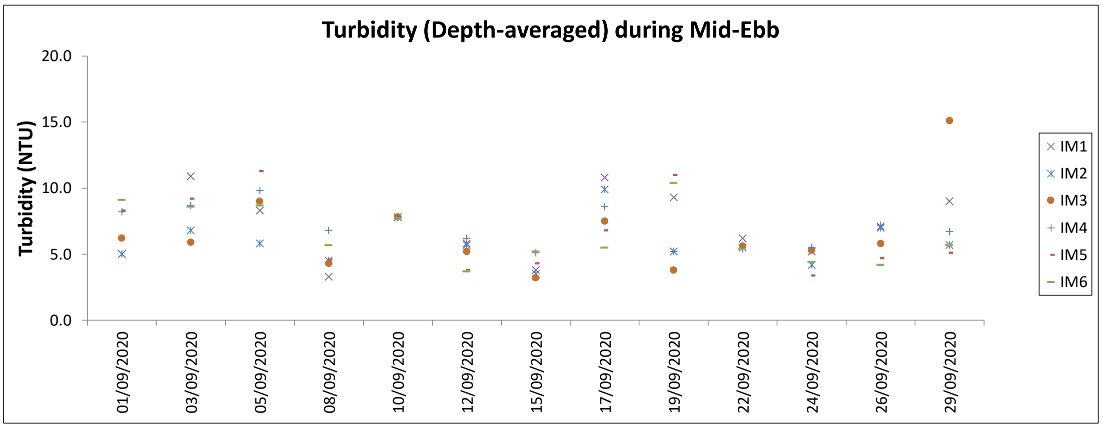
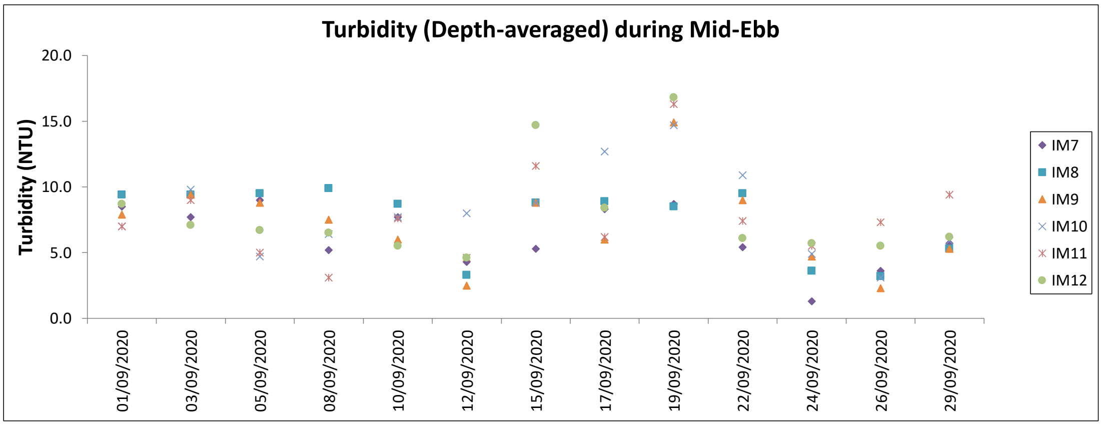
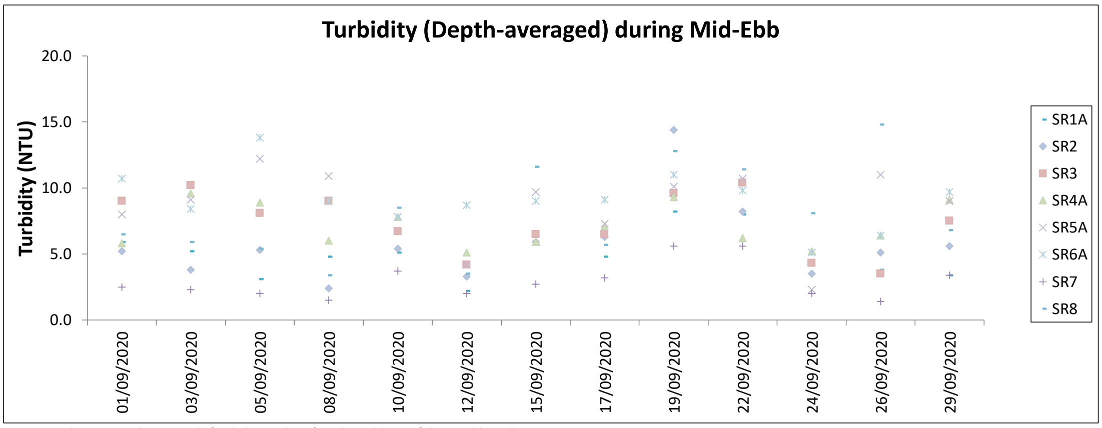
SR3
SR4A
SR5A
SR6A
SR7
SR8
AL
LL

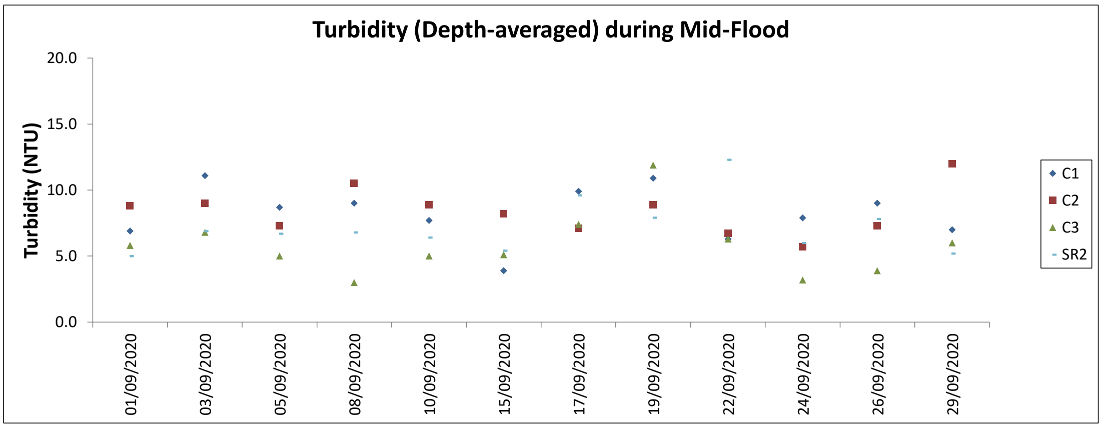


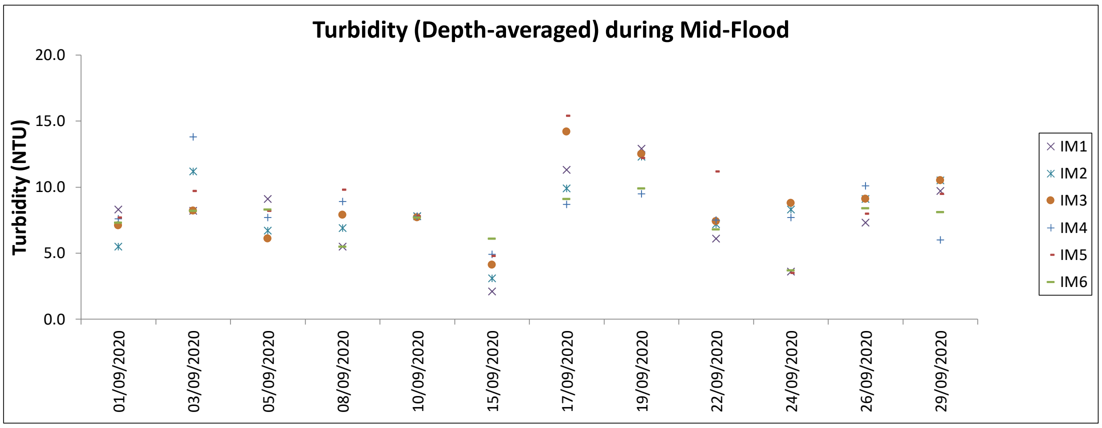


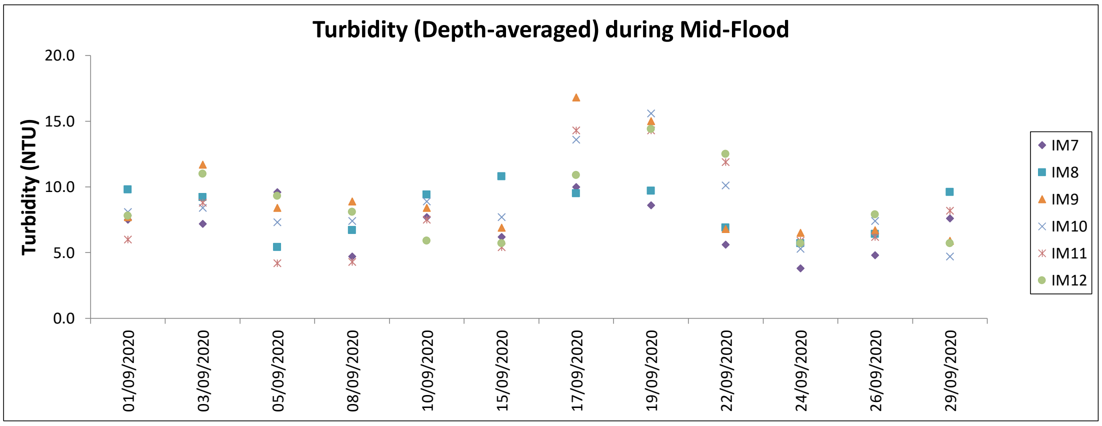


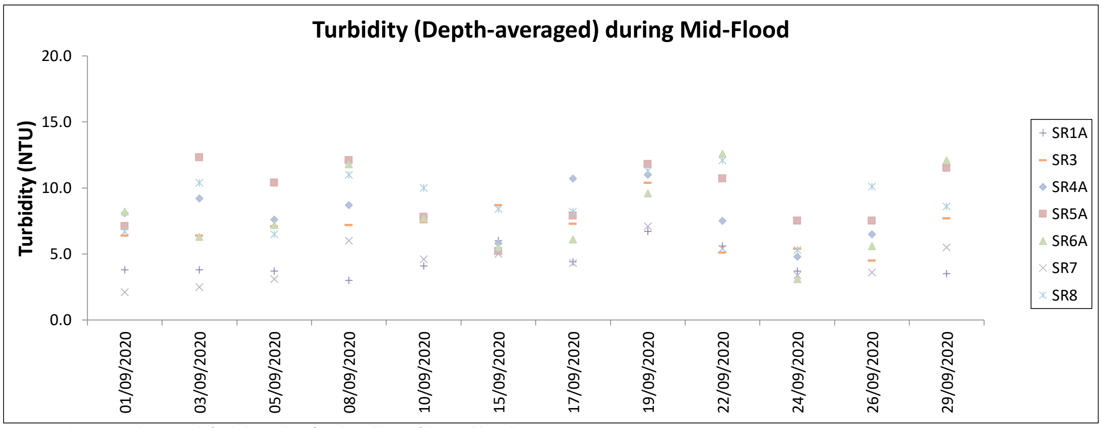


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

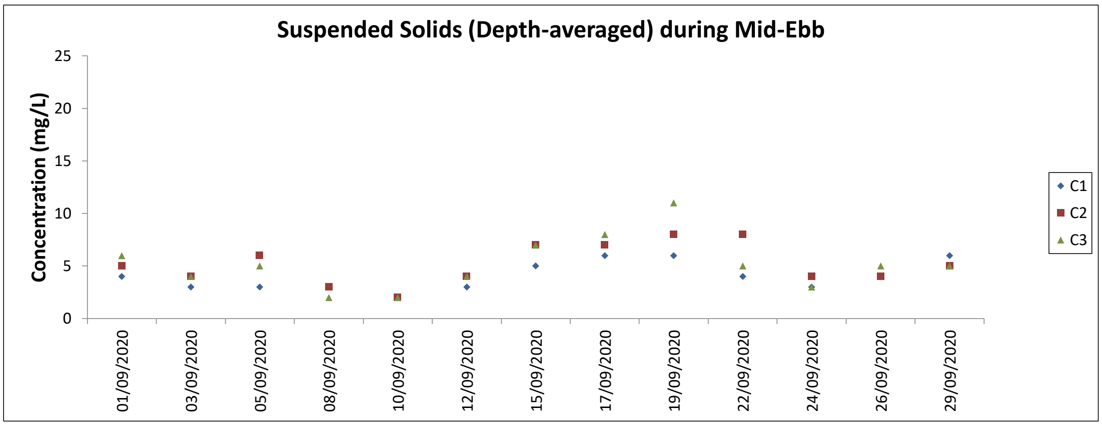


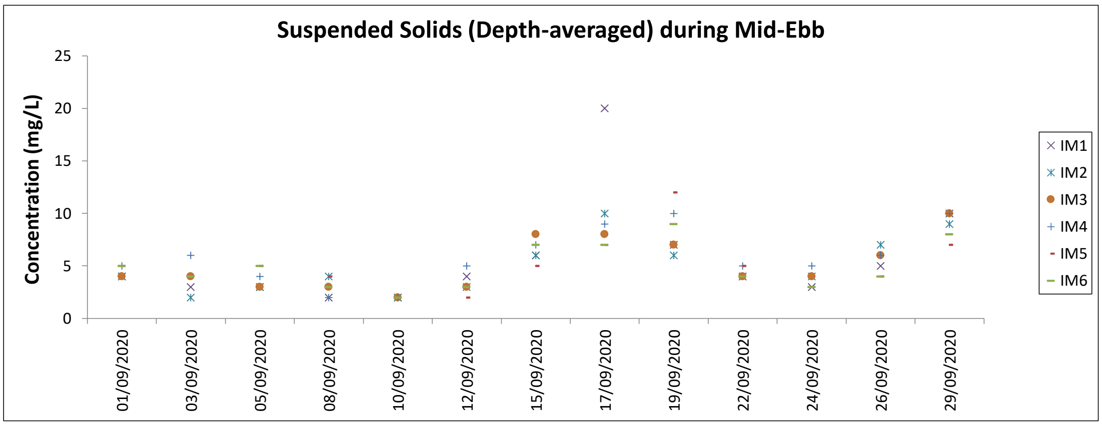


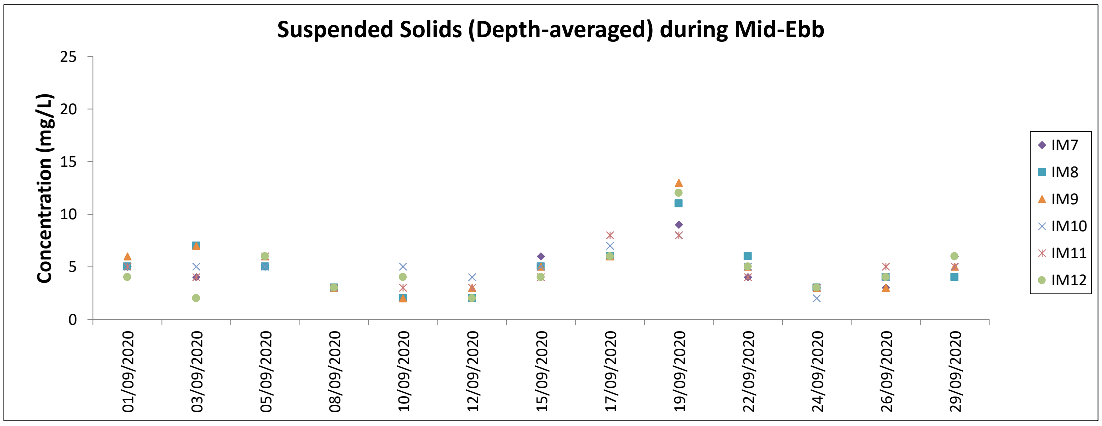


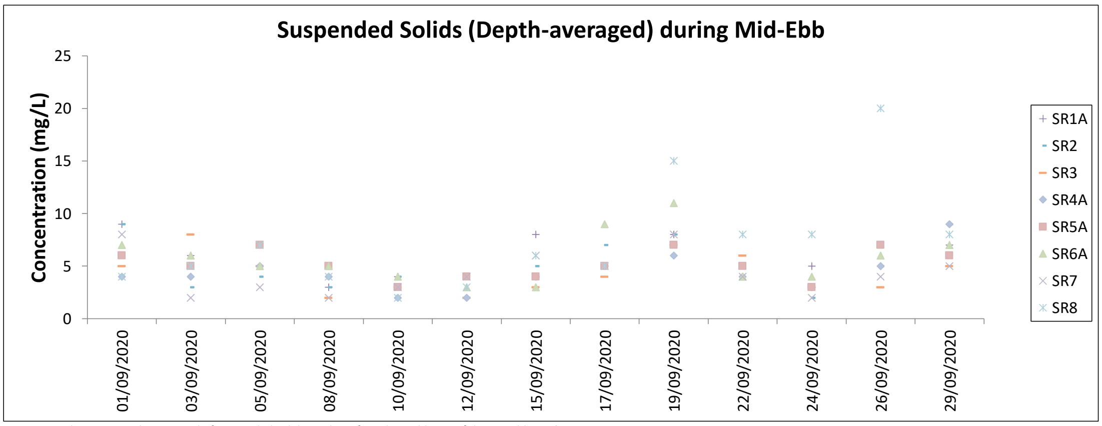


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

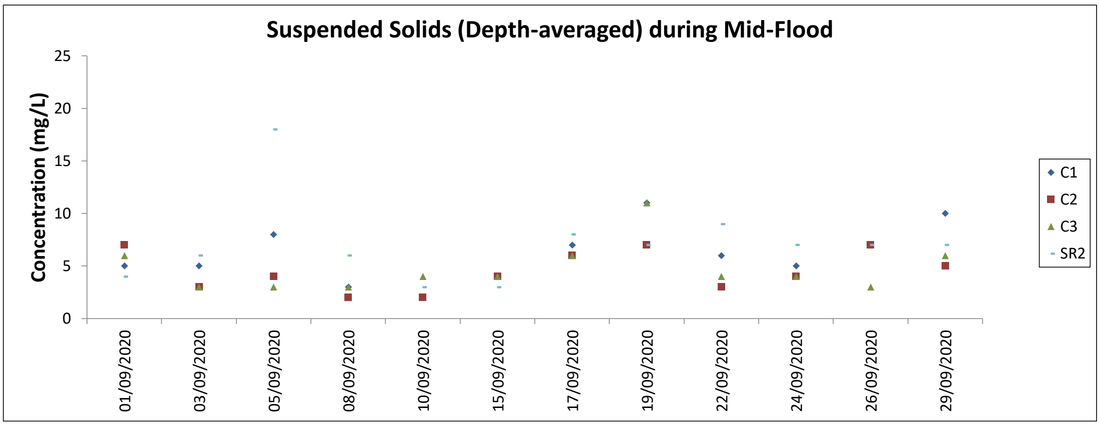


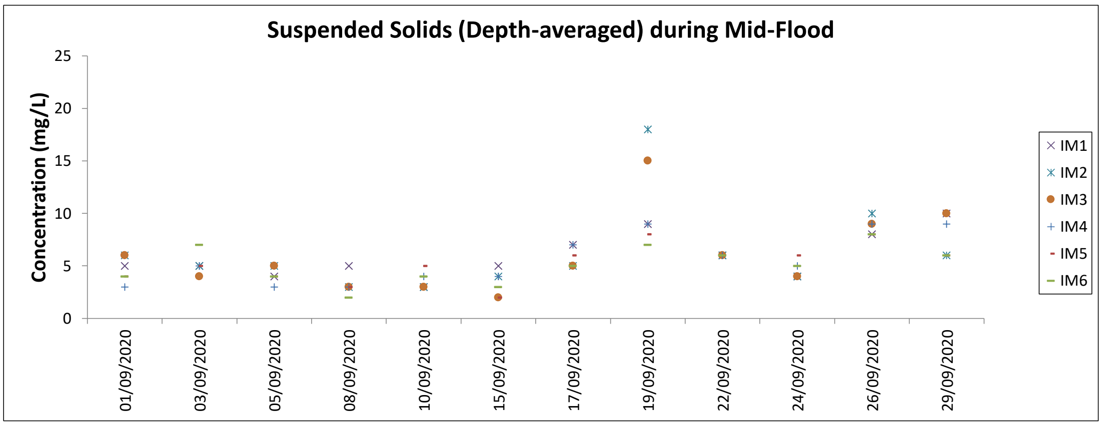


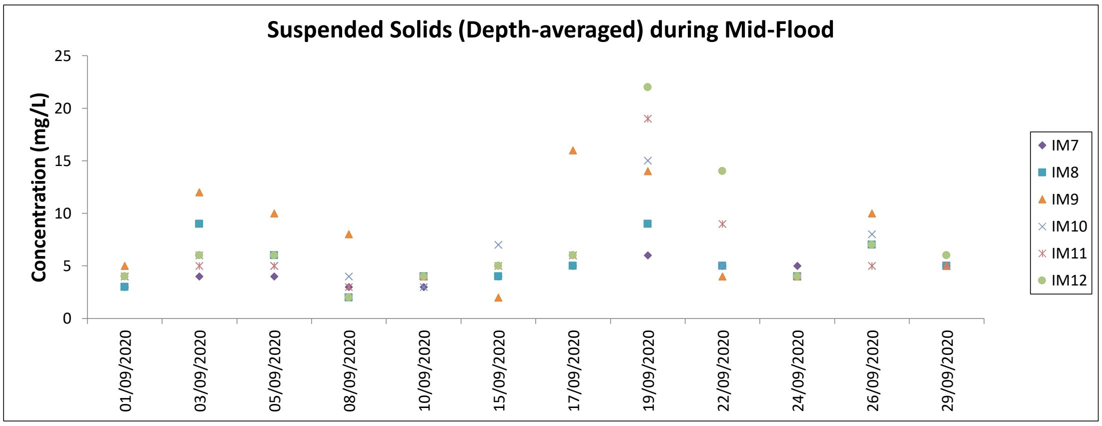


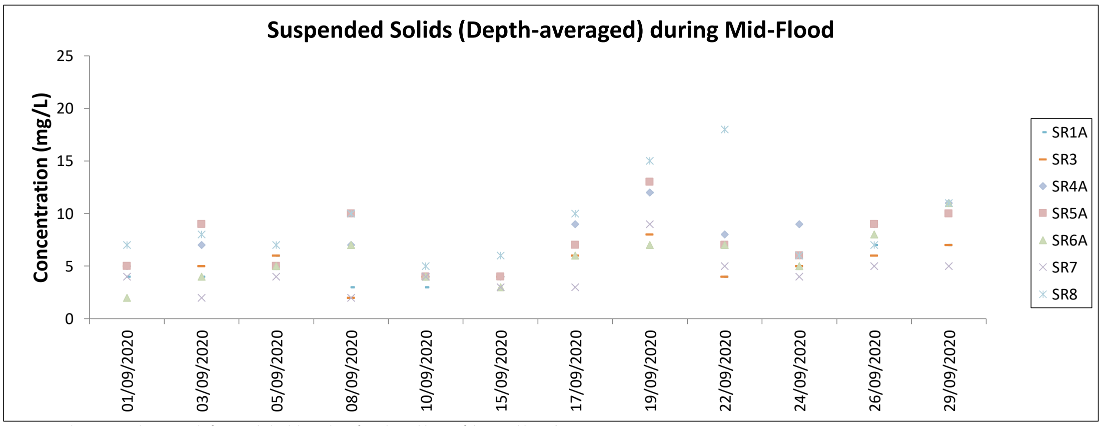


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

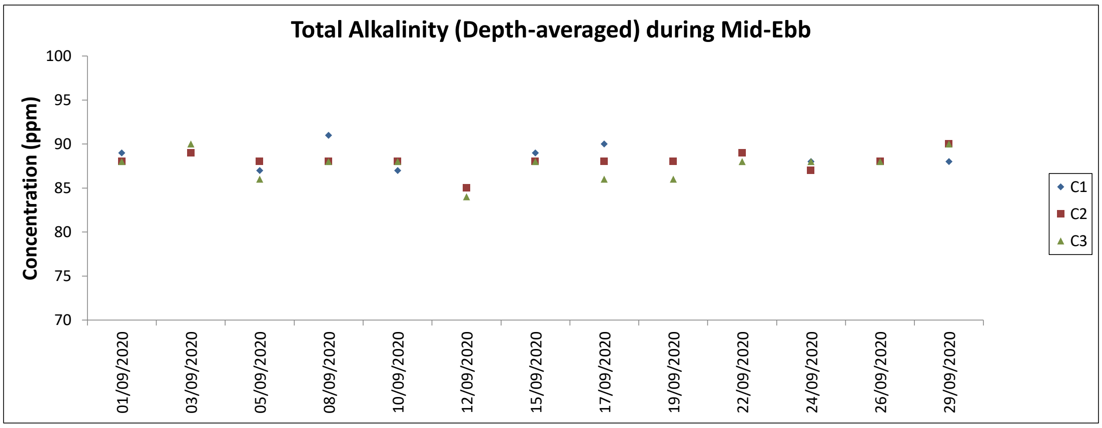


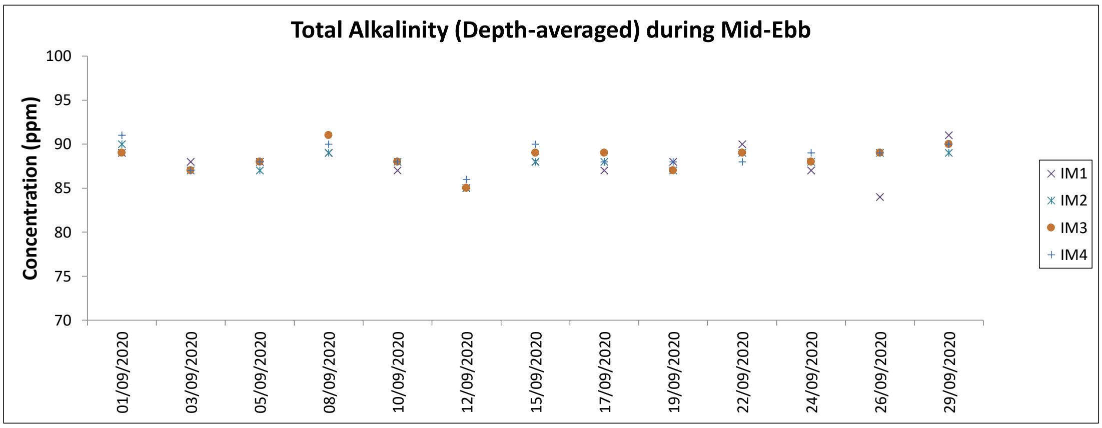


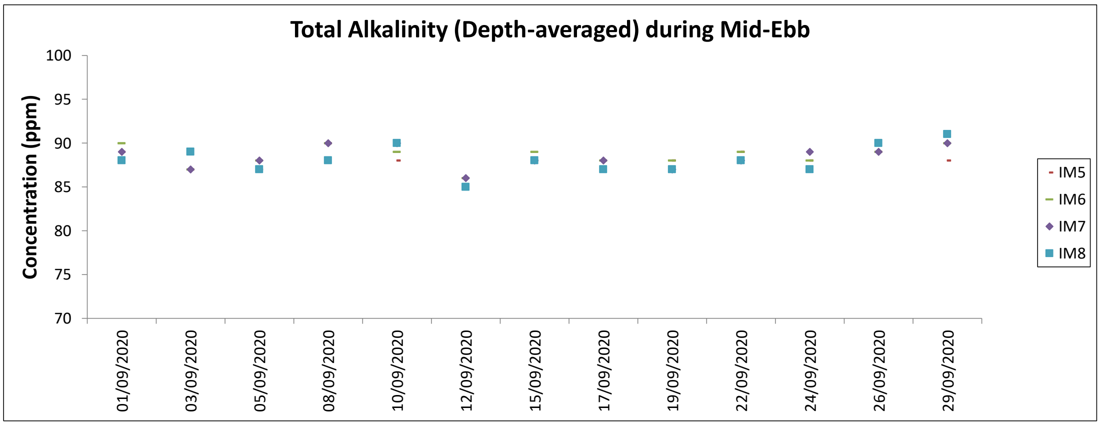


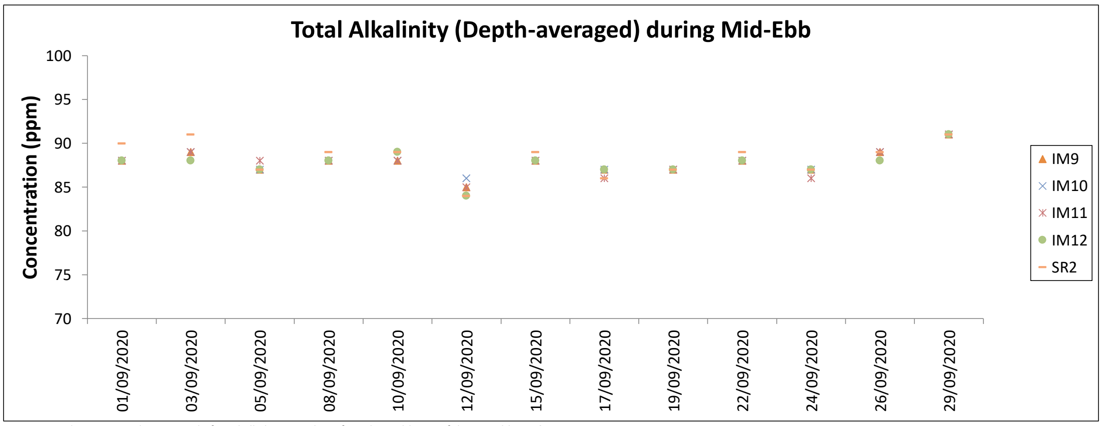


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

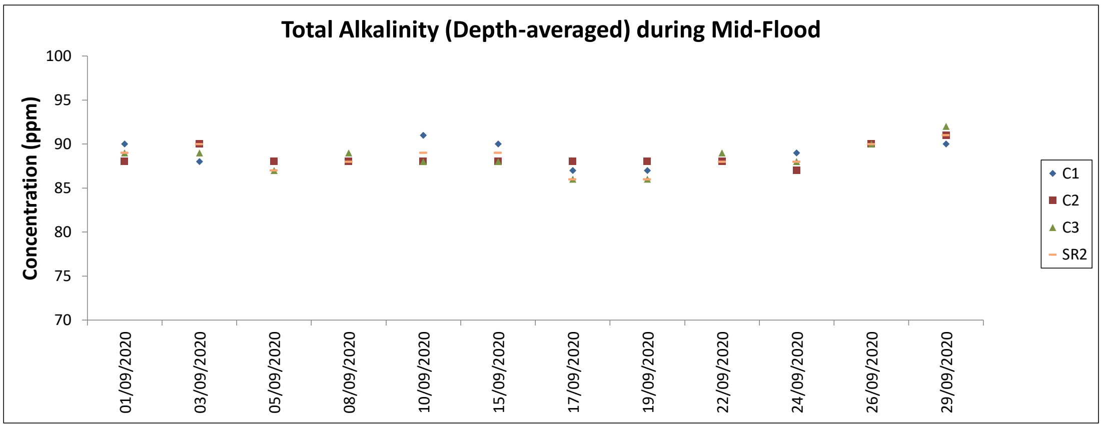


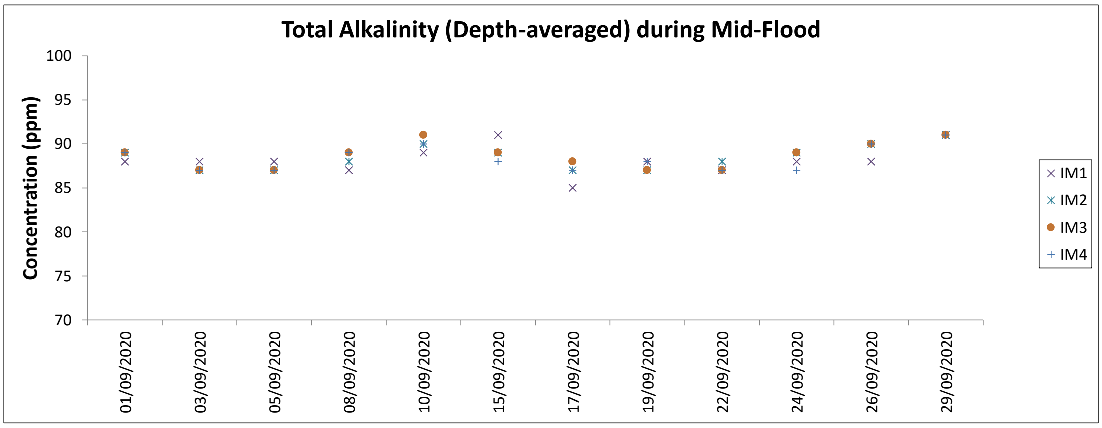


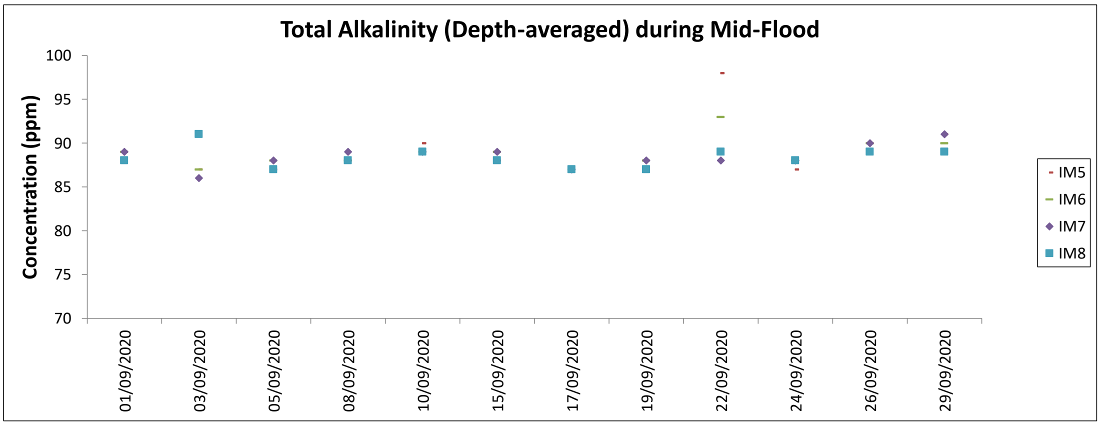


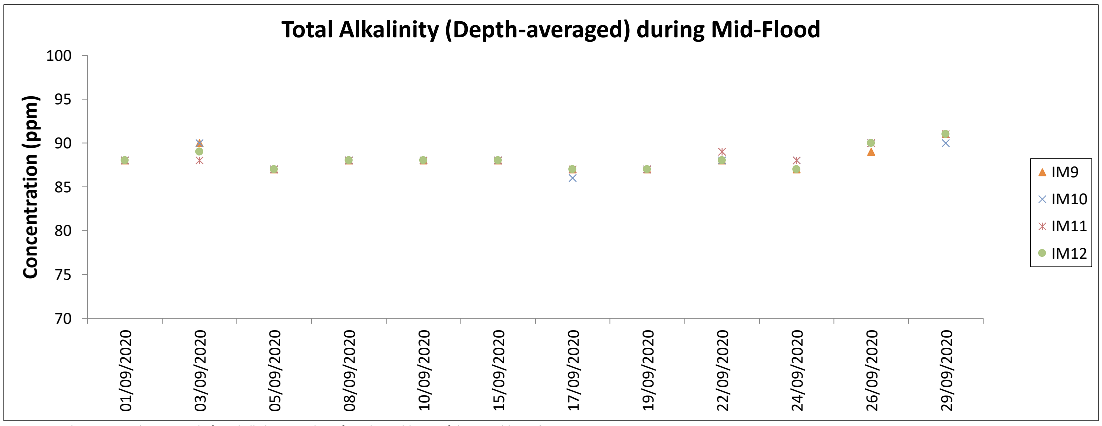


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

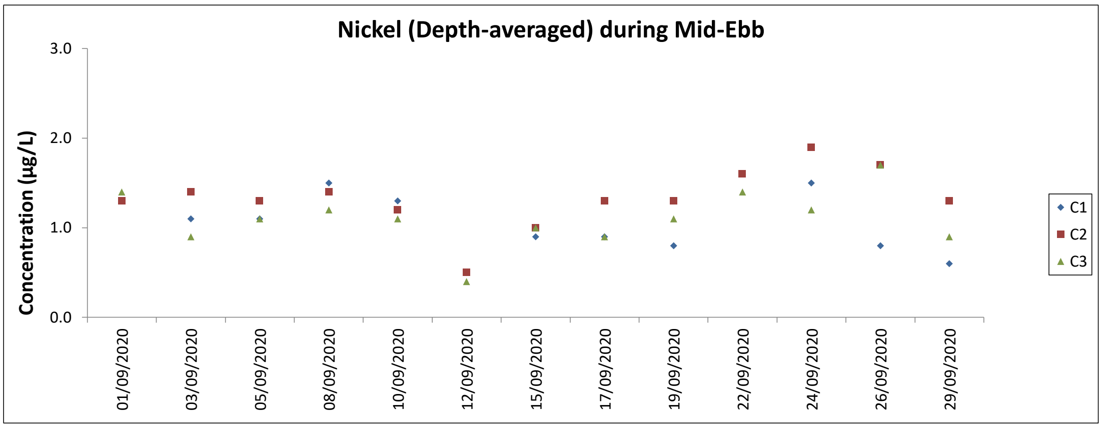


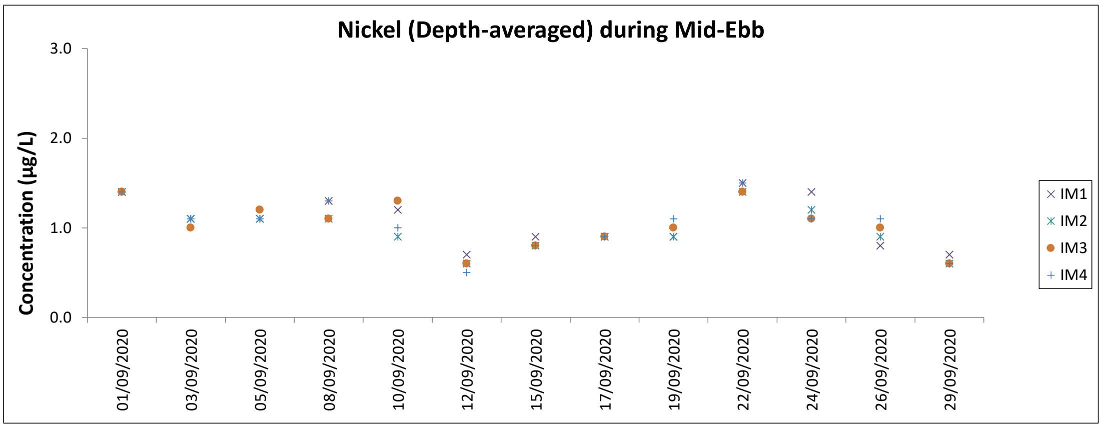


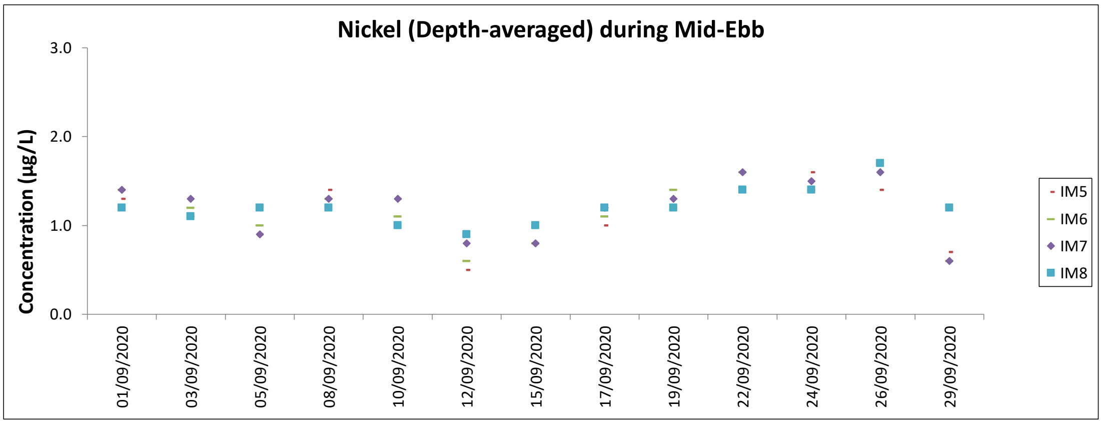


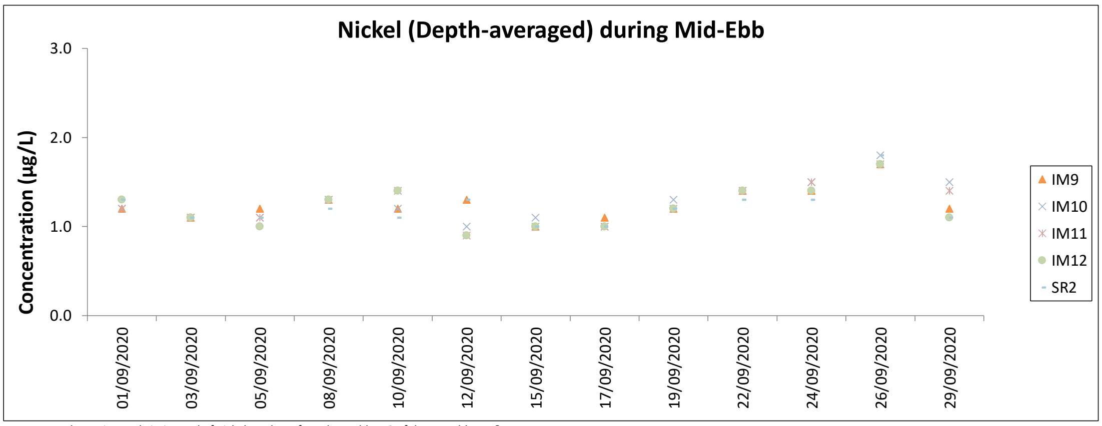


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

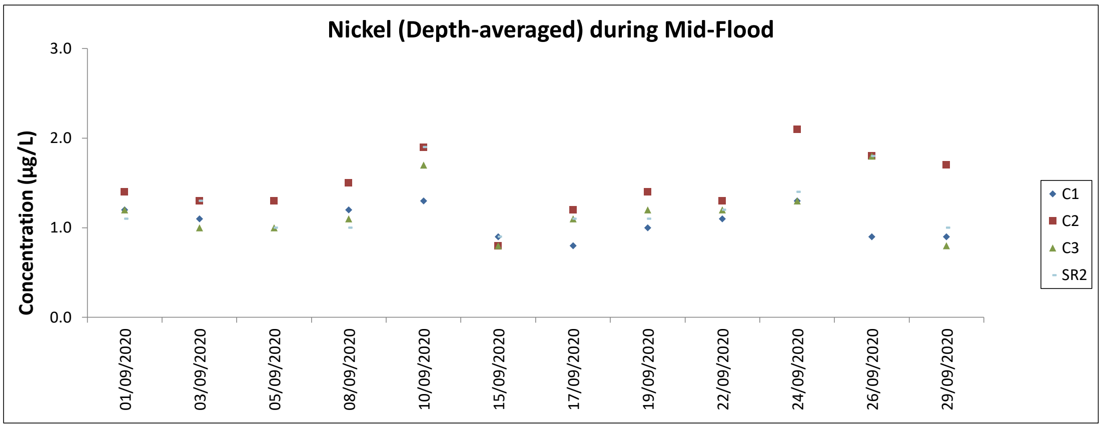


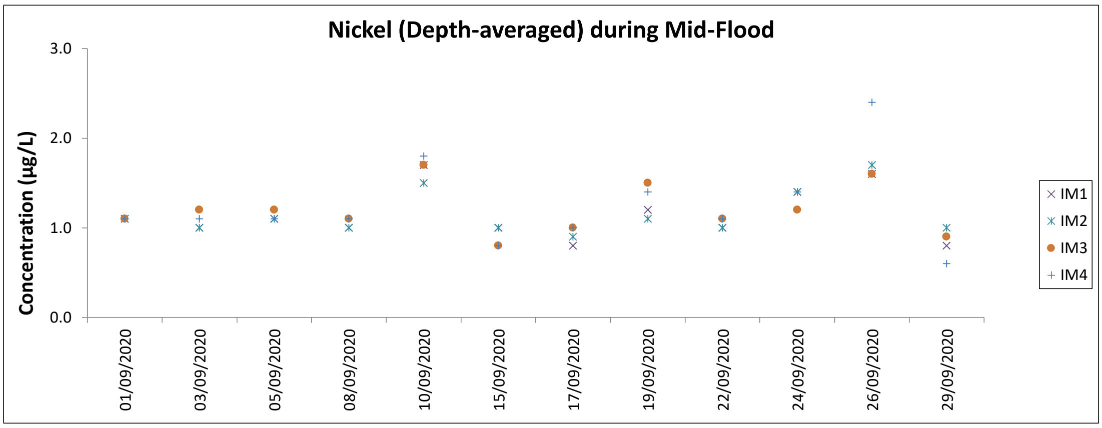


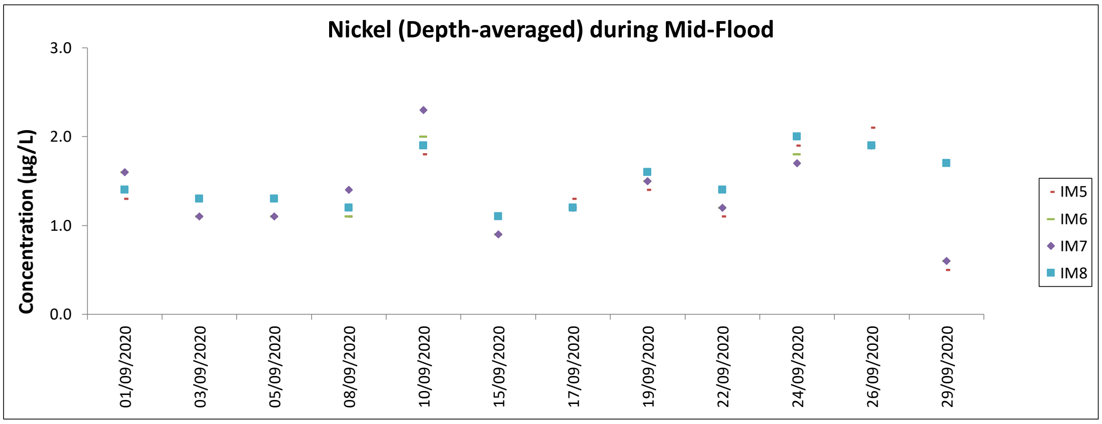


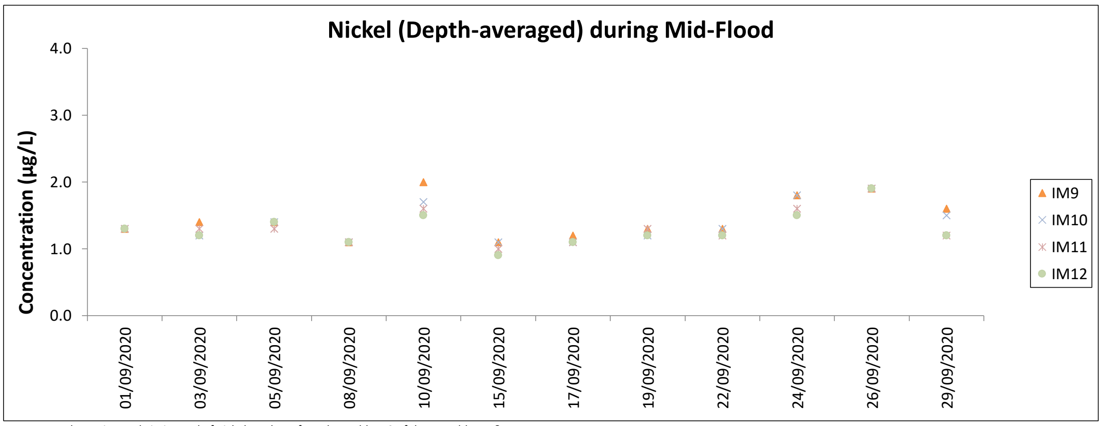


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period was below the reporting limit 0.2 µg/L.









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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
6-Jul-20	AW	3	4.900	SUMMER	32166	3RS ET	P
6-Jul-20	WL	3	14.052	SUMMER	32166	3RS ET	P
6-Jul-20	WL	4	4.029	SUMMER	32166	3RS ET	P
6-Jul-20	WL	3	5.088	SUMMER	32166	3RS ET	S
6-Jul-20	WL	4	3.731	SUMMER	32166	3RS ET	S
8-Jul-20	NEL	2	0.500	SUMMER	32166	3RS ET	P
8-Jul-20	NEL	3	33.650	SUMMER	32166	3RS ET	P
8-Jul-20	NEL	4	3.230	SUMMER	32166	3RS ET	P
8-Jul-20	NEL	2	2.000	SUMMER	32166	3RS ET	S
8-Jul-20	NEL	3	7.720	SUMMER	32166	3RS ET	S
9-Jul-20	NEL	2	1.300	SUMMER	32166	3RS ET	P
9-Jul-20	NEL	3	25.670	SUMMER	32166	3RS ET	P
9-Jul-20	NEL	4	9.820	SUMMER	32166	3RS ET	P
9-Jul-20	NEL	2	1.000	SUMMER	32166	3RS ET	S
9-Jul-20	NEL	3	9.910	SUMMER	32166	3RS ET	S
10-Jul-20	NWL	3	49.090	SUMMER	32166	3RS ET	P
10-Jul-20	NWL	4	14.710	SUMMER	32166	3RS ET	P
10-Jul-20	NWL	2	2.100	SUMMER	32166	3RS ET	S
10-Jul-20	NWL	3	10.000	SUMMER	32166	3RS ET	S
13-Jul-20	AW	2	0.980	SUMMER	32166	3RS ET	P
13-Jul-20	AW	3	3.950	SUMMER	32166	3RS ET	S
13-Jul-20	WL	2	7.997	SUMMER	32166	3RS ET	P
13-Jul-20	WL	3	6.388	SUMMER	32166	3RS ET	P
13-Jul-20	WL	2	2.175	SUMMER	32166	3RS ET	S
13-Jul-20	WL	3	5.392	SUMMER	32166	3RS ET	S
20-Jul-20	SWL	2	44.018	SUMMER	32166	3RS ET	P
20-Jul-20	SWL	3	3.890	SUMMER	32166	3RS ET	P
20-Jul-20	SWL	2	12.803	SUMMER	32166	3RS ET	S
20-Jul-20	SWL	3	1.000	SUMMER	32166	3RS ET	S
21-Jul-20	SWL	1	8.130	SUMMER	32166	3RS ET	P
21-Jul-20	SWL	2	26.735	SUMMER	32166	3RS ET	P
21-Jul-20	SWL	3	15.310	SUMMER	32166	3RS ET	P
21-Jul-20	SWL	1	1.034	SUMMER	32166	3RS ET	S
21-Jul-20	SWL	2	12.790	SUMMER	32166	3RS ET	S
21-Jul-20	SWL	3	0.920	SUMMER	32166	3RS ET	S
22-Jul-20	NWL	1	14.280	SUMMER	32166	3RS ET	P
22-Jul-20	NWL	2	35.930	SUMMER	32166	3RS ET	P
22-Jul-20	NWL	3	12.500	SUMMER	32166	3RS ET	P
22-Jul-20	NWL	1	1.300	SUMMER	32166	3RS ET	S
22-Jul-20	NWL	2	9.190	SUMMER	32166	3RS ET	S
22-Jul-20	NWL	3	1.100	SUMMER	32166	3RS ET	S
7-Aug-20	AW	2	4.830	SUMMER	32166	3RS ET	P
7-Aug-20	WL	2	11.333	SUMMER	32166	3RS ET	P
7-Aug-20	WL	3	8.330	SUMMER	32166	3RS ET	P
7-Aug-20	WL	2	2.260	SUMMER	32166	3RS ET	S
7-Aug-20	WL	3	4.810	SUMMER	32166	3RS ET	S
10-Aug-20	SWL	2	36.803	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
10-Aug-20	SWL	3	14.500	SUMMER	32166	3RS ET	P
10-Aug-20	SWL	2	13.697	SUMMER	32166	3RS ET	S
10-Aug-20	SWL	3	3.100	SUMMER	32166	3RS ET	S
11-Aug-20	NWL	2	18.930	SUMMER	32166	3RS ET	P
11-Aug-20	NWL	3	41.090	SUMMER	32166	3RS ET	P
11-Aug-20	NWL	4	3.780	SUMMER	32166	3RS ET	P
11-Aug-20	NWL	2	5.600	SUMMER	32166	3RS ET	S
11-Aug-20	NWL	3	6.200	SUMMER	32166	3RS ET	S
12-Aug-20	NEL	2	16.500	SUMMER	32166	3RS ET	P
12-Aug-20	NEL	3	19.360	SUMMER	32166	3RS ET	P
12-Aug-20	NEL	4	1.500	SUMMER	32166	3RS ET	P
12-Aug-20	NEL	2	5.270	SUMMER	32166	3RS ET	S
12-Aug-20	NEL	3	4.770	SUMMER	32166	3RS ET	S
17-Aug-20	AW	2	1.860	SUMMER	32166	3RS ET	P
17-Aug-20	AW	3	3.020	SUMMER	32166	3RS ET	P
17-Aug-20	WL	2	0.520	SUMMER	32166	3RS ET	P
17-Aug-20	WL	3	17.310	SUMMER	32166	3RS ET	P
17-Aug-20	WL	4	1.510	SUMMER	32166	3RS ET	P
17-Aug-20	WL	2	4.080	SUMMER	32166	3RS ET	S
17-Aug-20	WL	3	4.590	SUMMER	32166	3RS ET	S
17-Aug-20	WL	4	0.717	SUMMER	32166	3RS ET	S
18-Aug-20	NEL	2	29.590	SUMMER	32166	3RS ET	P
18-Aug-20	NEL	3	7.650	SUMMER	32166	3RS ET	P
18-Aug-20	NEL	2	9.100	SUMMER	32166	3RS ET	S
18-Aug-20	NEL	3	0.860	SUMMER	32166	3RS ET	S
24-Aug-20	SWL	2	35.344	SUMMER	32166	3RS ET	P
24-Aug-20	SWL	3	19.010	SUMMER	32166	3RS ET	P
24-Aug-20	SWL	2	11.416	SUMMER	32166	3RS ET	S
24-Aug-20	SWL	3	4.500	SUMMER	32166	3RS ET	S
26-Aug-20	NWL	2	13.100	SUMMER	32166	3RS ET	P
26-Aug-20	NWL	3	31.500	SUMMER	32166	3RS ET	P
26-Aug-20	NWL	4	16.400	SUMMER	32166	3RS ET	P
26-Aug-20	NWL	5	2.300	SUMMER	32166	3RS ET	P
26-Aug-20	NWL	2	4.200	SUMMER	32166	3RS ET	S
26-Aug-20	NWL	3	6.300	SUMMER	32166	3RS ET	S
26-Aug-20	NWL	4	1.000	SUMMER	32166	3RS ET	S
4-Sep-20	SWL	2	25.320	AUTUMN	32166	3RS ET	P
4-Sep-20	SWL	3	29.549	AUTUMN	32166	3RS ET	P
4-Sep-20	SWL	2	8.590	AUTUMN	32166	3RS ET	S
4-Sep-20	SWL	3	6.451	AUTUMN	32166	3RS ET	S
7-Sep-20	SWL	2	25.950	AUTUMN	32166	3RS ET	P
7-Sep-20	SWL	3	28.860	AUTUMN	32166	3RS ET	P
7-Sep-20	SWL	2	12.590	AUTUMN	32166	3RS ET	S
7-Sep-20	SWL	3	3.400	AUTUMN	32166	3RS ET	S
8-Sep-20	NWL	2	41.020	AUTUMN	32166	3RS ET	P
8-Sep-20	NWL	3	21.980	AUTUMN	32166	3RS ET	P
8-Sep-20	NWL	2	7.700	AUTUMN	32166	3RS ET	S
8-Sep-20	NWL	3	4.200	AUTUMN	32166	3RS ET	S
9-Sep-20	AW	2	4.940	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
9-Sep-20	WL	1	1.240	AUTUMN	32166	3RS ET	P
9-Sep-20	WL	2	12.810	AUTUMN	32166	3RS ET	P
9-Sep-20	WL	3	5.833	AUTUMN	32166	3RS ET	P
9-Sep-20	WL	2	7.540	AUTUMN	32166	3RS ET	S
9-Sep-20	WL	3	3.077	AUTUMN	32166	3RS ET	S
14-Sep-20	NWL	1	0.600	AUTUMN	32166	3RS ET	P
14-Sep-20	NWL	2	20.910	AUTUMN	32166	3RS ET	P
14-Sep-20	NWL	3	29.290	AUTUMN	32166	3RS ET	P
14-Sep-20	NWL	4	12.600	AUTUMN	32166	3RS ET	P
14-Sep-20	NWL	2	4.100	AUTUMN	32166	3RS ET	S
14-Sep-20	NWL	3	5.700	AUTUMN	32166	3RS ET	S
14-Sep-20	NWL	4	1.900	AUTUMN	32166	3RS ET	S
15-Sep-20	AW	2	3.010	AUTUMN	32166	3RS ET	P
15-Sep-20	AW	3	1.940	AUTUMN	32166	3RS ET	P
15-Sep-20	WL	2	9.663	AUTUMN	32166	3RS ET	P
15-Sep-20	WL	3	9.010	AUTUMN	32166	3RS ET	P
15-Sep-20	WL	4	0.900	AUTUMN	32166	3RS ET	P
15-Sep-20	WL	2	5.657	AUTUMN	32166	3RS ET	S
15-Sep-20	WL	3	5.440	AUTUMN	32166	3RS ET	S
17-Sep-20	NEL	2	7.670	AUTUMN	32166	3RS ET	P
17-Sep-20	NEL	3	19.980	AUTUMN	32166	3RS ET	P
17-Sep-20	NEL	4	9.600	AUTUMN	32166	3RS ET	P
17-Sep-20	NEL	2	2.050	AUTUMN	32166	3RS ET	S
17-Sep-20	NEL	3	5.500	AUTUMN	32166	3RS ET	S
17-Sep-20	NEL	4	3.100	AUTUMN	32166	3RS ET	S
22-Sep-20	NEL	2	4.100	AUTUMN	32166	3RS ET	P
22-Sep-20	NEL	3	28.500	AUTUMN	32166	3RS ET	P
22-Sep-20	NEL	4	5.000	AUTUMN	32166	3RS ET	P
22-Sep-20	NEL	2	2.800	AUTUMN	32166	3RS ET	S
22-Sep-20	NEL	3	6.900	AUTUMN	32166	3RS ET	S
22-Sep-20	NEL	4	0.300	AUTUMN	32166	3RS ET	S

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

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
6-Jul-20	1	1037	CWD	1	WL	3	326	ON	3RS ET	22.2643	113.8574	SUMMER	NONE	S
6-Jul-20	2	1111	CWD	11	WL	4	634	ON	3RS ET	22.2468	113.8514	SUMMER	NONE	S
6-Jul-20	3	1216	CWD	1	WL	3	284	ON	3RS ET	22.2120	113.8363	SUMMER	NONE	P
6-Jul-20	4	1245	CWD	2	WL	3	329	ON	3RS ET	22.1961	113.8400	SUMMER	NONE	P
13-Jul-20	1	1033	CWD	5	WL	2	1238	ON	3RS ET	22.2672	113.8600	SUMMER	NONE	S
13-Jul-20	2	1126	CWD	4	WL	3	601	ON	3RS ET	22.2416	113.8299	SUMMER	NONE	P
13-Jul-20	3	1144	CWD	5	WL	3	1020	ON	3RS ET	22.2377	113.8266	SUMMER	NONE	S
13-Jul-20	4	1203	CWD	1	WL	3	13	ON	3RS ET	22.2235	113.8242	SUMMER	NONE	P
13-Jul-20	5	1223	CWD	4	WL	3	322	ON	3RS ET	22.2142	113.8266	SUMMER	NONE	P
13-Jul-20	6	1304	CWD	18	WL	3	211	ON	3RS ET	22.2020	113.8240	SUMMER	NONE	S
13-Jul-20	7	1338	CWD	19	WL	3	221	ON	3RS ET	22.1962	113.8332	SUMMER	NONE	P
13-Jul-20	8	1410	CWD	4	WL	3	129	ON	3RS ET	22.1910	113.8419	SUMMER	NONE	S
20-Jul-20	1	1028	CWD	1	SWL	2	171	ON	3RS ET	22.2119	113.9359	SUMMER	NONE	P
20-Jul-20	2	1237	CWD	1	SWL	2	268	ON	3RS ET	22.1767	113.9072	SUMMER	NONE	S
20-Jul-20	3	1249	CWD	4	SWL	2	362	ON	3RS ET	22.1845	113.9046	SUMMER	NONE	S
20-Jul-20	4	1407	CWD	9	SWL	3	255	ON	3RS ET	22.1673	113.8883	SUMMER	NONE	P
20-Jul-20	5	1424	CWD	5	SWL	2	243	ON	3RS ET	22.1776	113.8883	SUMMER	NONE	P
20-Jul-20	6	1510	CWD	1	SWL	2	130	ON	3RS ET	22.1765	113.8784	SUMMER	NONE	P
20-Jul-20	7	1532	CWD	5	SWL	3	247	ON	3RS ET	22.1682	113.8685	SUMMER	NONE	P
20-Jul-20	8	1604	CWD	3	SWL	2	51	ON	3RS ET	22.1962	113.8586	SUMMER	NONE	P
20-Jul-20	9	1640	CWD	2	SWL	2	42	ON	3RS ET	22.1921	113.8494	SUMMER	NONE	P
21-Jul-20	1	1054	FP	7	SWL	1	146	ON	3RS ET	22.1486	113.9340	SUMMER	NONE	S
21-Jul-20	2	1255	CWD	3	SWL	3	46	ON	3RS ET	22.1928	113.8977	SUMMER	NONE	P
21-Jul-20	3	1410	CWD	2	SWL	2	161	ON	3RS ET	22.1915	113.8790	SUMMER	NONE	P
21-Jul-20	4	1426	CWD	3	SWL	2	241	ON	3RS ET	22.1723	113.8788	SUMMER	NONE	P
21-Jul-20	5	1511	CWD	4	SWL	2	21	ON	3RS ET	22.1962	113.8587	SUMMER	NONE	P
21-Jul-20	6	1537	CWD	1	SWL	2	524	ON	3RS ET	22.1700	113.8560	SUMMER	NONE	S
21-Jul-20	7	1551	CWD	3	SWL	3	188	ON	3RS ET	22.1862	113.8493	SUMMER	PURSE SEINER	P
22-Jul-20	1	1202	CWD	2	NWL	2	308	ON	3RS ET	22.3963	113.8876	SUMMER	NONE	P
7-Aug-20	1	1006	CWD	1	WL	2	57	ON	3RS ET	22.2972	113.8611	SUMMER	NONE	P
7-Aug-20	2	1033	CWD	2	WL	2	96	ON	3RS ET	22.2768	113.8514	SUMMER	NONE	S
7-Aug-20	3	1158	CWD	3	WL	3	8	ON	3RS ET	22.2174	113.8200	SUMMER	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
7-Aug-20	4	1228	CWD	13	WL	3	111	ON	3RS ET	22.2140	113.8303	SUMMER	NONE	P
7-Aug-20	5	1337	CWD	1	WL	3	235	ON	3RS ET	22.1955	113.8396	SUMMER	NONE	P
10-Aug-20	1	1122	FP	4	SWL	2	59	ON	3RS ET	22.1802	113.9280	SUMMER	NONE	P
10-Aug-20	2	1515	CWD	2	SWL	3	3	ON	3RS ET	22.1883	113.8491	SUMMER	NONE	P
10-Aug-20	3	1528	CWD	1	SWL	3	37	ON	3RS ET	22.1931	113.8499	SUMMER	NONE	P
17-Aug-20	1	1102	CWD	9	WL	3	229	ON	3RS ET	22.2408	113.8378	SUMMER	NONE	P
17-Aug-20	2	1222	CWD	1	WL	4	304	ON	3RS ET	22.1928	113.8424	SUMMER	NONE	S
24-Aug-20	1	1054	FP	2	SWL	2	61	ON	3RS ET	22.1462	113.9319	SUMMER	NONE	S
24-Aug-20	2	1318	FP	8	SWL	2	63	ON	3RS ET	22.1565	113.8876	SUMMER	NONE	P
4-Sep-20	1	1111	FP	3	SWL	2	93	ON	3RS ET	22.1500	113.9273	AUTUMN	NONE	P
4-Sep-20	2	1129	FP	6	SWL	2	328	ON	3RS ET	22.1869	113.9273	AUTUMN	NONE	P
4-Sep-20	3	1225	FP	1	SWL	2	47	ON	3RS ET	22.1547	113.9040	AUTUMN	NONE	S
4-Sep-20	4	1330	FP	7	SWL	3	15	ON	3RS ET	22.1493	113.8977	AUTUMN	NONE	P
9-Sep-20	1	1030	CWD	2	WL	2	189	ON	3RS ET	22.2632	113.8568	AUTUMN	NONE	S
9-Sep-20	2	1213	CWD	8	WL	3	323	ON	3RS ET	22.1965	113.8398	AUTUMN	NONE	P
15-Sep-20	1	1053	CWD	2	WL	2	85	ON	3RS ET	22.2689	113.8508	AUTUMN	NONE	P
15-Sep-20	2	1158	CWD	2	WL	3	20	ON	3RS ET	22.2320	113.8378	AUTUMN	NONE	P
15-Sep-20	3	1242	CWD	5	WL	3	225	ON	3RS ET	22.2058	113.8398	AUTUMN	NONE	S

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

Notes:

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

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

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

A total of 423.870 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 5 on-effort sightings and total number of 19 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in September 2020 are shown as below:

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

$$STG = \frac{5}{423.870}\ x\ 100 = 1.18$$

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

$$ANI = \frac{19}{423.870}\ x\ 100 = 4.48$$

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

A total of 1239.995 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 40 on-effort sightings and total number of 164 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)

$$STG = \frac{40}{1239.995}\ x\ 100 = 3.23$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{164}{1239.995}\ x\ 100 = 13.23$$

CWD Small Vessel Line-transect Survey

Photo Identification

NLMM023_20200909_1_1

NLMM043_20200909_1_6

SLMM003_20200909_2_1

SLMM012_20200909_2_2

SLMM037_20200909_2_3

SLMM072_20200909_2_1

WLMM056_20200909_2_4

WLMM079_20200909_2_2

	
NLMM023_20200915_1_5	WLMM013_20200915_1_1
	
NLMM015_20200915_2_1	SLMM045_20200915_2_1
	
SLMM003_20200915_3_1	WLMM079_20200915_3_1

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
3/Sep/20	Lung Kwu Chau	9:01	15:01	6:00	2	3	0	-
7/Sep/20	Sha Chau	10:37	16:37	6:00	2	2	0	-

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