

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

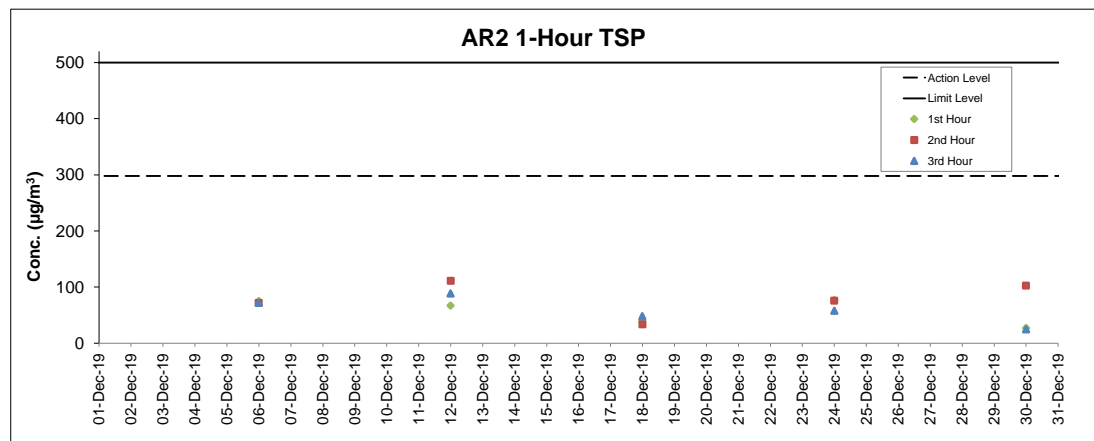
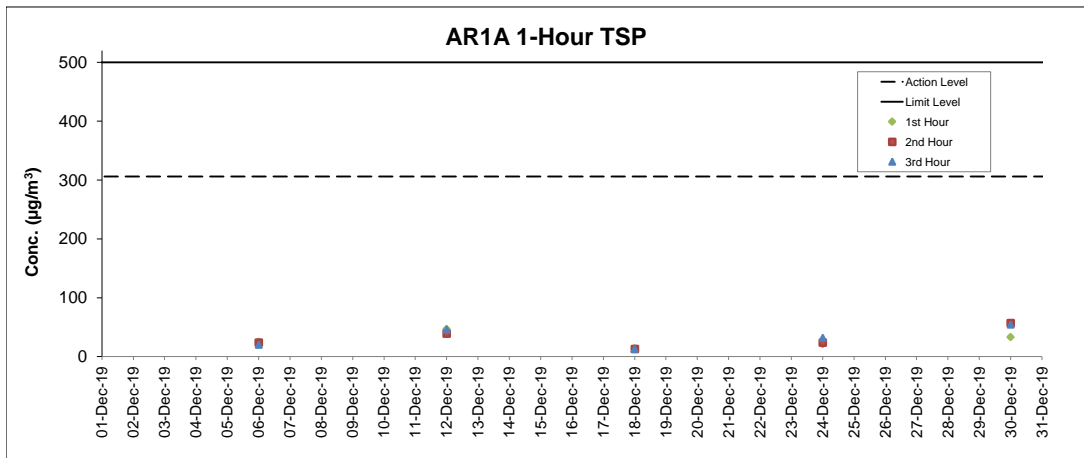
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
06-Dec-19	13:17	Sunny	7.8	360	25	306	500
06-Dec-19	14:17	Sunny	9.0	352	24	306	500
06-Dec-19	15:17	Sunny	7.0	358	20	306	500
12-Dec-19	9:02	Sunny	2.8	21	47	306	500
12-Dec-19	10:02	Sunny	3.1	52	39	306	500
12-Dec-19	11:02	Sunny	5.4	55	46	306	500
18-Dec-19	12:59	Sunny	3.5	260	14	306	500
18-Dec-19	13:59	Sunny	3.8	259	13	306	500
18-Dec-19	14:59	Sunny	2.5	265	13	306	500
24-Dec-19	12:04	Sunny	3.6	54	21	306	500
24-Dec-19	13:04	Sunny	2.5	11	24	306	500
24-Dec-19	14:04	Sunny	3.3	273	32	306	500
30-Dec-19	14:01	Cloudy	3.1	93	33	306	500
30-Dec-19	15:01	Cloudy	3.3	236	57	306	500
30-Dec-19	16:01	Cloudy	2.5	233	54	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 ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
06-Dec-19	9:38	Sunny	8.1	356	75	298	500
06-Dec-19	10:38	Sunny	9.2	358	72	298	500
06-Dec-19	11:38	Sunny	7.1	354	72	298	500
12-Dec-19	13:17	Sunny	4.8	93	67	298	500
12-Dec-19	14:17	Sunny	3.2	244	111	298	500
12-Dec-19	15:17	Sunny	3.8	255	89	298	500
18-Dec-19	10:04	Sunny	1.9	17	39	298	500
18-Dec-19	11:04	Sunny	2.2	22	34	298	500
18-Dec-19	12:04	Sunny	2.0	346	48	298	500
24-Dec-19	14:18	Sunny	Variable	Variable	77	298	500
24-Dec-19	15:20	Sunny	3.9	257	76	298	500
24-Dec-19	16:20	Sunny	3.6	252	58	298	500
30-Dec-19	9:34	Cloudy	1.7	35	27	298	500
30-Dec-19	10:34	Cloudy	1.4	variable	103	298	500
30-Dec-19	11:34	Cloudy	2.8	58	25	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 ₅₀ dB(A)	L _{eq(30mins)} dB(A)
06-Dec-19	Sunny	14:32	70.5	53.4	69
06-Dec-19	Sunny	14:37	70.0	53.6	
06-Dec-19	Sunny	14:42	69.5	54.6	
06-Dec-19	Sunny	14:47	69.7	54.1	
06-Dec-19	Sunny	14:52	70.9	56.3	
06-Dec-19	Sunny	14:57	67.8	52.3	73
12-Dec-19	Sunny	10:43	75.1	58.8	
12-Dec-19	Sunny	10:48	74.0	60.1	
12-Dec-19	Sunny	10:53	72.9	60.0	
12-Dec-19	Sunny	10:58	73.2	59.4	
12-Dec-19	Sunny	11:03	74.1	59.9	67
12-Dec-19	Sunny	11:08	72.4	58.9	
18-Dec-19	Sunny	13:20	67.6	51.5	
18-Dec-19	Sunny	13:25	68.2	54.1	
18-Dec-19	Sunny	13:30	67.2	53.6	
18-Dec-19	Sunny	13:35	67.2	51.9	62
18-Dec-19	Sunny	13:40	68.1	53.3	
18-Dec-19	Sunny	13:45	67.1	52.3	
24-Dec-19	Cloudy	12:08	63.0	50.8	
24-Dec-19	Cloudy	12:13	63.3	49.0	
24-Dec-19	Cloudy	12:18	62.9	49.7	
24-Dec-19	Cloudy	12:23	63.1	49.1	
24-Dec-19	Cloudy	12:28	63.3	49.2	
24-Dec-19	Cloudy	12:33	62.9	50.1	69
30-Dec-19	Cloudy	14:04	67.4	51.2	
30-Dec-19	Cloudy	14:09	69.9	51.7	
30-Dec-19	Cloudy	14:14	70.8	52.3	
30-Dec-19	Cloudy	14:19	69.5	53.9	
30-Dec-19	Cloudy	14:24	70.9	54.6	
30-Dec-19	Cloudy	14:29	70.5	52.9	

Remarks:

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

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A)
06-Dec-19	Sunny	14:28	63.3	59.7	66
06-Dec-19	Sunny	14:33	63.9	59.2	
06-Dec-19	Sunny	14:38	66.8	58.2	
06-Dec-19	Sunny	14:43	64.1	59.0	
06-Dec-19	Sunny	14:48	62.9	58.5	
06-Dec-19	Sunny	14:53	64.2	59.9	63
11-Dec-19	Sunny	14:31	61.7	57.1	
11-Dec-19	Sunny	14:36	62.1	57.9	
11-Dec-19	Sunny	14:41	62.0	56.8	
11-Dec-19	Sunny	14:46	62.6	56.8	
11-Dec-19	Sunny	14:51	61.6	57.4	66
11-Dec-19	Sunny	14:56	62.9	57.6	
18-Dec-19	Sunny	14:28	63.1	59.5	
18-Dec-19	Sunny	14:33	63.0	59.8	
18-Dec-19	Sunny	14:38	63.5	59.4	
18-Dec-19	Sunny	14:43	65.4	58.6	66
18-Dec-19	Sunny	14:48	66.5	58.8	
18-Dec-19	Sunny	14:53	64.8	58.6	
23-Dec-19	Sunny	12:08	65.9	58.6	
23-Dec-19	Sunny	12:13	66.5	59.3	
23-Dec-19	Sunny	12:18	67.0	60.0	
23-Dec-19	Sunny	12:23	66.3	58.5	
23-Dec-19	Sunny	12:28	63.4	58.0	
23-Dec-19	Sunny	12:33	63.4	58.2	
30-Dec-19	Cloudy	13:33	63.3	60.2	64
30-Dec-19	Cloudy	13:38	62.5	58.8	
30-Dec-19	Cloudy	13:43	63.4	59.3	
30-Dec-19	Cloudy	13:48	63.9	59.3	
30-Dec-19	Cloudy	13:53	62.2	58.5	
30-Dec-19	Cloudy	13:58	62.3	58.2	

Remarks:

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

Limit Level at NM4 was reduced to 65 dB(A) during school examination period from 5 to 11 Dec 2019 (8:30 am to 12:00 pm).

Impact noise monitoring at NM4 on 6 and 11 Dec 2019 were conducted after the school examination those days.

The corresponding Limit Level for the monitoring sessions was 70 dB(A).

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)
06-Dec-19	Sunny	10:44	62.5	55.8	65
06-Dec-19	Sunny	10:49	62.7	56.4	
06-Dec-19	Sunny	10:54	65.0	53.0	
06-Dec-19	Sunny	10:59	61.4	53.1	
06-Dec-19	Sunny	11:04	64.0	52.9	
06-Dec-19	Sunny	11:09	68.1	52.7	
12-Dec-19	Sunny	13:19	56.2	48.5	61
12-Dec-19	Sunny	13:24	57.2	50.0	
12-Dec-19	Sunny	13:29	60.2	49.6	
12-Dec-19	Sunny	13:34	58.6	49.3	
12-Dec-19	Sunny	13:39	63.2	50.2	
12-Dec-19	Sunny	13:44	65.3	49.6	
18-Dec-19	Sunny	11:12	53.9	47.6	59
18-Dec-19	Sunny	11:17	52.8	47.3	
18-Dec-19	Sunny	11:22	57.5	47.8	
18-Dec-19	Sunny	11:27	55.2	48.0	
18-Dec-19	Sunny	11:32	58.5	49.2	
18-Dec-19	Sunny	11:37	58.4	48.9	
24-Dec-19	Sunny	14:52	54.1	47.0	66
24-Dec-19	Sunny	14:57	51.3	46.8	
24-Dec-19	Sunny	15:02	71.0	47.8	
24-Dec-19	Sunny	15:07	55.7	46.5	
24-Dec-19	Sunny	15:12	52.9	46.8	
24-Dec-19	Sunny	15:17	61.1	45.4	
30-Dec-19	Cloudy	10:06	60.3	49.2	59
30-Dec-19	Cloudy	10:11	57.6	45.5	
30-Dec-19	Cloudy	10:16	57.0	52.6	
30-Dec-19	Cloudy	10:21	56.5	52.2	
30-Dec-19	Cloudy	10:26	56.5	50.6	
30-Dec-19	Cloudy	10:31	57.6	47.3	

Remarks:

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

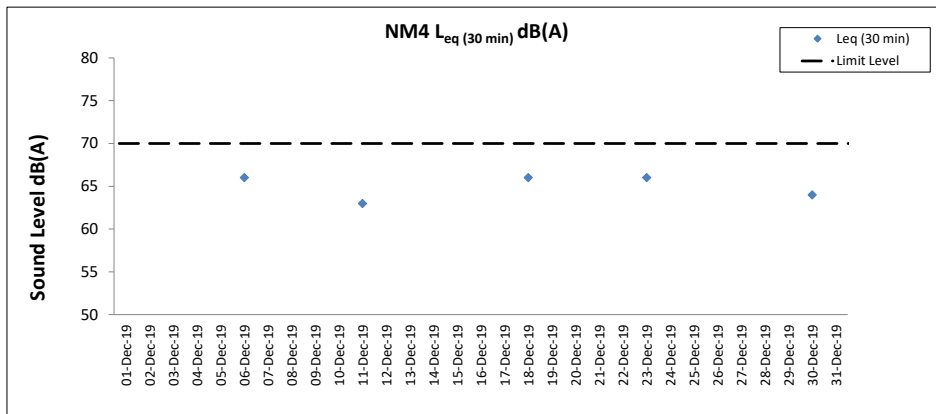
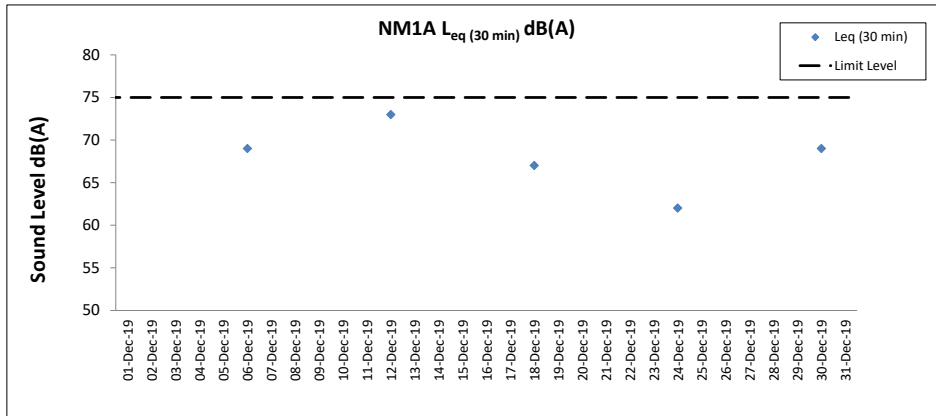
Noise Measurement Results

Station: NM6- House No.1 Sha Lo Wan

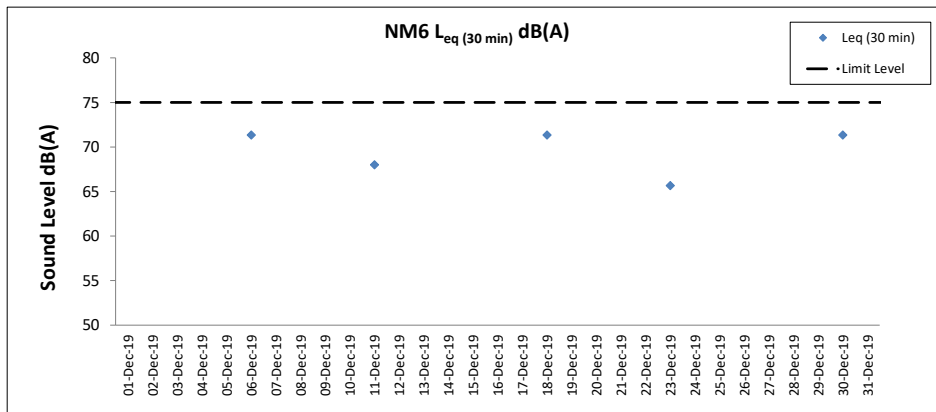
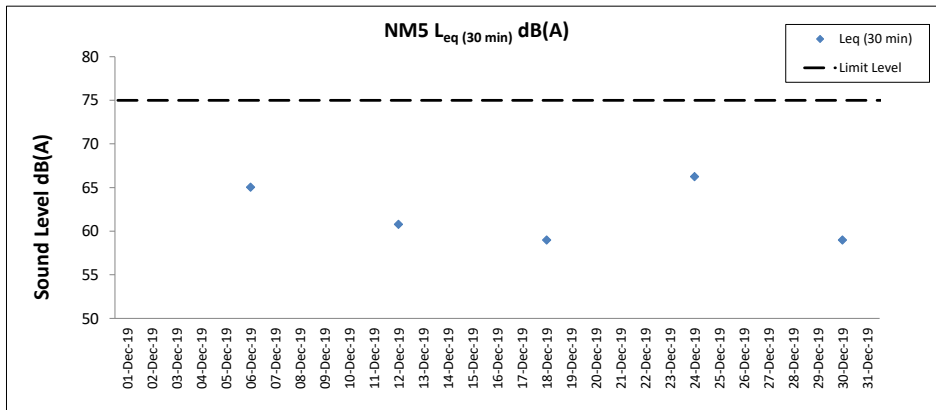
Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
06-Dec-19	Sunny	15:41	75.5	56.9	71
06-Dec-19	Sunny	15:46	74.0	56.0	
06-Dec-19	Sunny	15:51	71.6	54.1	
06-Dec-19	Sunny	15:56	69.3	55.8	
06-Dec-19	Sunny	16:01	78.8	60.5	
06-Dec-19	Sunny	16:06	73.1	60.6	
11-Dec-19	Sunny	15:40	72.4	48.6	68
11-Dec-19	Sunny	15:45	75.6	56.0	
11-Dec-19	Sunny	15:50	64.6	46.4	
11-Dec-19	Sunny	15:55	72.3	46.2	
11-Dec-19	Sunny	16:00	72.2	48.0	
11-Dec-19	Sunny	16:05	74.1	46.9	
18-Dec-19	Sunny	15:43	71.3	50.5	71
18-Dec-19	Sunny	15:48	76.7	53.3	
18-Dec-19	Sunny	15:53	74.5	54.8	
18-Dec-19	Sunny	15:58	70.5	52.9	
18-Dec-19	Sunny	16:03	67.8	52.1	
18-Dec-19	Sunny	16:08	67.0	53.5	
23-Dec-19	Sunny	15:49	64.5	47.3	66
23-Dec-19	Sunny	15:54	73.4	47.3	
23-Dec-19	Sunny	15:59	70.2	49.3	
23-Dec-19	Sunny	16:04	70.5	49.4	
23-Dec-19	Sunny	16:09	70.7	50.4	
23-Dec-19	Sunny	16:14	70.4	47.9	
30-Dec-19	Cloudy	15:52	67.7	50.5	71
30-Dec-19	Cloudy	15:57	68.4	52.8	
30-Dec-19	Cloudy	16:02	70.1	48.7	
30-Dec-19	Cloudy	16:07	69.9	50.8	
30-Dec-19	Cloudy	16:12	71.1	52.4	
30-Dec-19	Cloudy	16:17	77.8	45.2	

Remarks:

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



Remark: Limit Level at NM4 was reduced to 65 dB(A) during school examination period from 5 to 11 Dec 2019 (8:30 am to 12:00 pm). Impact noise monitoring at NM4 on 6 and 11 Dec 2019 were conducted after the school examination those days. The corresponding Limit Level for the monitoring sessions was 70 dB(A).



Notes

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

Water Quality Monitoring Results

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

Water Quality Monitoring Results on 03 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Sunny	Rough	04:33	7.2	Surface	1.0	0.1	134	21.9	21.9	8.0	8.0	33.6	33.6	98.6	98.6	7.0		8.1		16		82		815596	804241	<0.2		1.0					
						1.0	0.1	135	21.9	21.9	8.0	8.0	33.6	33.6	98.6	98.6	7.1	7.1	8.1		17		83				<0.2		1.1					
						3.6	0.1	128	22.0	22.0	8.0	8.0	33.7	33.7	99.2	99.2	7.0	7.0	7.6		16		87				<0.2		1.1					
					3.6	0.1	139	22.0	22.0	8.0	8.0	33.7	33.7	99.1	99.1	7.1	7.1	7.7		14		88				<0.2		1.0						
					6.2	0.0	112	22.0	22.0	8.0	8.0	33.7	33.7	98.3	98.3	7.0	7.0	9.5		15		90				<0.2		1.1						
					6.2	0.0	120	22.0	22.0	8.0	8.0	33.7	33.7	98.4	98.4	7.0	7.0	9.5		17		91				<0.2		1.0						
C2	Fine	Rough	05:39	8.6	Surface	1.0	0.3	159	21.8	21.8	8.3	8.3	31.7	31.8	96.7	96.5	7.1		4.0		10		85		825684	806937	<0.2		1.2					
						1.0	0.3	160	21.8	21.8	8.3	8.3	31.8	31.8	96.2	96.2	7.0	7.0	4.0		8		84				<0.2		1.2					
						4.3	0.4	142	22.1	22.1	8.2	8.2	32.0	32.0	94.5	94.4	6.9	6.9	4.3		7		88				<0.2		1.2					
					4.3	0.4	152	22.1	22.1	8.2	8.2	32.0	32.0	94.3	94.3	6.8	6.8	4.6		8		88				<0.2		1.2						
					7.6	0.5	150	22.3	22.3	8.2	8.2	32.1	32.1	94.5	94.6	6.8	6.8	5.8		6		92				<0.2		1.2						
					7.6	0.6	166	22.3	22.3	8.2	8.2	32.1	32.1	94.7	94.7	6.8	6.8	5.8		6		92				<0.2		1.2						
C3	Fine	Rough	03:45	11.2	Surface	1.0	0.3	70	22.8	22.8	8.2	8.2	33.2	33.2	92.8	92.7	6.6		2.2		5		82		822090	817786	<0.2		0.9					
						1.0	0.3	76	22.8	22.8	8.2	8.2	33.2	33.2	92.6	92.6	6.6	6.6	2.2		5		82				<0.2		0.9					
						5.6	0.1	90	22.8	22.8	8.2	8.2	33.3	33.3	91.4	91.4	6.5	6.5	4.7		5		87				<0.2		0.9					
					5.6	0.1	108	22.8	22.8	8.2	8.2	33.3	33.3	91.4	91.4	6.5	6.5	4.4		4		86				<0.2		1.0						
					10.2	0.2	104	22.7	22.7	8.2	8.2	33.3	33.3	92.2	92.3	6.6	6.6	8.7		5		90				<0.2		0.9						
					10.2	0.2	113	22.7	22.7	8.2	8.2	33.3	33.3	92.4	92.4	6.6	6.6	8.7		4		90				<0.2		0.9						
IM1	Sunny	Rough	04:52	4.5	Surface	1.0	0.0	123	21.9	21.9	8.0	8.0	32.6	32.6	100.4	100.5	7.2		3.2		15		83		817968	807115	<0.2		1.1					
						1.0	0.0	123	21.9	21.9	8.0	8.0	32.6	32.6	100.5	100.5	7.2	7.2	3.2		17		83				<0.2		1.2					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					3.5	0.0	247	21.9	21.9	8.0	8.0	32.6	32.6	100.8	100.8	7.2	7.2	3.7		9		87				<0.2		1.2						
					3.5	0.0	267	21.9	21.9	8.0	8.0	32.6	32.6	100.7	100.7	7.2	7.2	3.7		9		87				<0.2		1.1						
					1.0	0.1	133	21.7	21.7	8.0	8.0	32.7	32.7	99.2	99.2	7.1	7.1	5.5		15		83				<0.2		1.1						
IM2	Sunny	Rough	05:00	7.0	Surface	1.0	0.1	135	21.7	21.7	8.0	8.0	32.7	32.7	99.2	99.2	7.1		5.5		15		83		818142	806185	<0.2		1.1					
						3.5	0.1	118	21.7	21.7	8.0	8.0	32.7	32.7	99.0	99.0	7.1	7.1	6.7		15		87				<0.2		1.1					
						3.5	0.1	118	21.7	21.7	8.0	8.0	32.7	32.7	98.9	98.9	7.1	7.1	6.7		13		87				<0.2		1.0					
					6.0	0.1	129	21.7	21.7	8.0	8.0	32.7	32.7	98.3	98.4	7.1	7.1	7.3		12		90				<0.2		1.0						
					6.0	0.1	122	21.7	21.7	8.0	8.0	32.7	32.7	98.4	98.4	7.1	7.1	7.4		12		90				<0.2		1.0						
					1.0	0.3	129	21.5	21.5	8.1	8.1	32.7	32.7	98.6	98.6	7.1	7.1	5.1		13		82				<0.2		1.2						
IM3	Sunny	Rough	05:08	6.6	Surface	1.0	0.3	130	21.5	21.5	8.1	8.1	32.7	32.7	98.5	98.6	7.1		5.1		12		82		818794	805616	<0.2		1.1					
						3.3	0.2	156	21.5	21.5	8.0	8.0	32.7	32.7	96.7	96.7	7.0	7.0	7.3		14		87				<0.2		1.2					
						3.3	0.2	159	21.5	21.5	8.0	8.0	32.7	32.7	96.7	96.7	7.0	7.0	7.3		13		87				<0.2		1.1					
					5.6	0.2	108	21.5	21.5	8.0	8.0	32.7	32.7	97.5	97.5	7.0	7.0	7.7		12		90				<0.2		1.1						
					5.6	0.2	121	21.5	21.5	8.0	8.0	32.7	32.7	97.4	97.4	7.0	7.0	7.7		11		91				<0.2		1.1						
					1.0	0.4	244	21.6	21.6	8.0	8.0	32.9	32.9	98.2	98.2	7.1	7.1	5.2		17		82				<0.2		1.2						
IM4	Sunny	Rough	05:16	7.8	Surface	1.0	0.4	216	21.6	21.6	8.0	8.0	32.9	32.9	98.1	98.2	7.1		5.2		18		83		819711	804609	<0.2		1.2					
						3.9	0.4	254	21.6	21.6	8.0	8.0	32.9	32.9	98.3	98.3	7.1	7.1	7.8		18		87				<0.2		1.2					
						3.9	0.5	225	21.6	21.6	8.0	8.0	32.9	32.9	98.3	98.3	7.1	7.1	7.8		17		88				<0.2		1.3					
					6.8	0.4	201	21.6	21.6	8.0	8.0	32.9	32.9	98.4	98.4	7.1	7.1	9.0		17		90				<0.2		1.3						
					6.8	0.4	203	21.6	21.6	8.0	8.0	32.9	32.9	98.4	98.4	7.1	7.1	9.0		19		91				<0.2		1.4						
					1.0	0.4	209	21.4	21.4	8.0	8.0	32.6	32.6	98.6	98.7	7.1	7.1	6.6		14		83				<0.2		1.6						
IM5	Sunny	Rough	05:24	7.5	Surface	1.0	0.4	221	21.4	21.4	8.0	8.0	32.6	32.6	98.8	98.7	7.1		6.6		14		83		820745	804877	<0.2		1.6					
						3.8	0.4	223	21.4	21.4	8.0	8.0	32.6	32.6	98.3	98.3	7.1	7.1	7.2		13		87				<0.2		1.3					
						3.8	0.4	223	21.4	21.4	8.0	8.0	32.6	32.6	98.3	98.3	7.1	7.1	7.2		15		87				<0.2		1.2					
					6.5	0.3	229	21.4	21.4	8.0	8.0	32.6	32.6	98.2	98.2	7.1	7.1	7.3		14		90				<0.2		1.2						
					6.5	0.3	231	21.4	21.4	8.0	8.0	32.6	32.6	98.0	98.1	7.1	7.1	7.3		15		90				<0.2		1.2						
					1.0	0.2	180	21.6	21.6	8.0	8.0	32.3	32.3	97.9	97.8	7.1	7.1	5.7		14		82				<0.2		1.4						
IM6	Sunny	Rough	05:32	6.9	Surface	1.0	0.2	182	21.6	21.6	8.0	8.0	32.3	32.3	97.7	97.7	7.0		5.7		16		83		821059	805844	<0.2		1.5					
						3.5	0.2	198	21.6	21.6	8.0	8.0	32.4	32.4	97.4	97.4	7.0	7.0	3.7		15		87				<0.2		1.3					
						3.5	0.2	174	21.6	21.6	8.0	8.0	32.4	32.4	97.3	97.3	7.0	7.0	3.7		15		87				<0.2		1.3					
					5.9	0.1	192	21.6	21.6	8.0	8.0	32.4	32.4	97.9	97.9	7.1	7.1	4.8		15		90				<0.2		1.3						
					5.9	0.2	188																											

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

Water Quality Monitoring Results on 03 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	05:12	7.7	Surface	1.0	0.2	147	21.6	21.6	8.3	8.3	31.8	31.8	96.9	96.9	7.1	7.1	7.8	9	82	87	822101	808798	<0.2	1.2	1.1	1.1				
						1.0	0.2	147	21.6	8.3	8.3	31.8	31.8	96.9	96.9	7.1	7.1	7.9	9	86	87	86	87	86	87	<0.2	1.0	1.1	1.1			
						3.9	0.3	160	21.7	21.7	8.3	8.3	31.9	31.9	97.1	97.2	7.1	7.1	8.2	11	87	11	86	11	86	11	<0.2	1.0	1.1	1.1		
					Middle	3.9	0.3	167	21.7	21.7	8.3	8.3	31.9	31.9	97.2	97.2	7.3	7.3	8.8	10	91	10	90	11	90	11	<0.2	1.1	1.1	1.1		
						6.7	0.1	154	21.7	21.7	8.3	8.3	31.9	31.9	99.7	100.1	7.3	7.3	8.8	10	91	10	90	11	90	11	<0.2	1.1	1.1	1.1		
						6.7	0.1	157	21.6	21.6	8.3	8.3	31.9	31.9	100.5	100.5	7.3	7.3	8.8	11	90	11	90	11	90	11	<0.2	1.2	1.1	1.1		
IM10	Fine	Moderate	05:07	7.5	Surface	1.0	0.1	143	22.3	22.3	8.2	8.2	32.4	32.4	93.9	93.9	6.8	6.8	5.3	8	84	88	822386	809799	<0.2	0.9	1.0	1.0				
						1.0	0.1	144	22.3	22.3	8.2	8.2	32.4	32.4	93.9	93.9	6.8	6.8	5.4	9	84	9	88	9	88	9	<0.2	0.9	1.0	1.0		
						3.8	0.2	149	22.3	22.3	8.2	8.2	32.4	32.4	94.0	94.0	6.8	6.8	6.3	9	88	6	88	6	88	6	<0.2	1.2	1.0	1.0		
					Middle	3.8	0.2	144	22.3	22.3	8.2	8.2	32.4	32.4	94.0	94.0	6.8	6.8	6.3	9	88	6	88	6	88	6	<0.2	1.0	1.0	1.0		
						6.5	0.2	149	22.3	22.3	8.3	8.3	32.4	32.4	94.9	95.1	6.8	6.8	6.9	8	91	6	91	6	91	6	<0.2	1.1	1.1	1.1		
						6.5	0.2	132	22.3	22.3	8.3	8.3	32.4	32.4	95.3	95.3	6.9	6.9	6.8	8	92	6	92	6	92	6	<0.2	1.0	1.0	1.0		
IM11	Fine	Moderate	04:58	8.4	Surface	1.0	0.1	128	22.4	22.4	8.2	8.2	32.5	32.5	93.6	93.6	6.7	6.7	5.2	7	84	88	822059	811448	<0.2	1.0	1.1	1.1				
						1.0	0.1	129	22.4	22.4	8.2	8.2	32.5	32.5	93.5	93.5	6.7	6.7	5.3	8	84	8	88	8	88	8	<0.2	1.1	1.1	1.1		
						4.2	0.1	139	22.4	22.4	8.2	8.2	32.6	32.6	92.9	92.9	6.7	6.7	9.4	6	88	6	88	6	88	6	<0.2	1.0	1.0	1.0		
					Middle	4.2	0.1	133	22.4	22.4	8.3	8.3	32.6	32.6	93.5	93.5	6.7	6.7	9.4	6	88	6	88	6	88	6	<0.2	1.2	1.0	1.0		
						7.4	0.1	132	22.4	22.4	8.3	8.3	32.7	32.7	93.5	93.5	6.7	6.7	13.2	6	92	6	92	6	92	6	<0.2	1.2	1.0	1.0		
						7.4	0.1	133	22.4	22.4	8.3	8.3	32.7	32.7	94.2	94.0	6.8	6.8	12.6	6	92	6	92	6	92	6	<0.2	1.0	1.0	1.0		
IM12	Fine	Moderate	04:53	8.6	Surface	1.0	0.2	126	22.5	22.5	8.2	8.2	32.7	32.7	92.8	92.8	6.6	6.6	5.3	8	84	88	821474	812051	<0.2	1.0	1.0	1.0				
						1.0	0.2	128	22.5	22.5	8.2	8.2	32.7	32.7	92.6	92.6	6.6	6.6	5.2	7	84	7	88	7	88	7	<0.2	0.9	1.0	1.0		
						4.3	0.2	127	22.5	22.5	8.2	8.2	32.8	32.8	92.1	92.2	6.6	6.6	10.2	8	88	8	88	8	88	8	<0.2	1.1	1.0	1.0		
					Middle	4.3	0.2	124	22.5	22.5	8.2	8.2	32.8	32.8	92.2	92.2	6.6	6.6	10.5	7	88	7	88	7	88	7	<0.2	1.0	1.0	1.0		
						7.6	0.2	118	22.5	22.5	8.2	8.2	32.8	32.8	92.9	93.0	6.7	6.7	13.6	8	91	8	91	8	91	8	<0.2	1.0	1.0	1.0		
						7.6	0.2	123	22.5	22.5	8.2	8.2	32.8	32.8	93.1	93.0	6.7	6.7	13.6	8	92	8	92	8	92	8	<0.2	0.9	1.0	1.0		
SR1A	Fine	Moderate	04:42	4.7	Surface	1.0	-	-	22.2	22.2	8.2	8.2	32.2	32.2	94.6	94.7	6.8	6.8	6.2	9	-	-	819977	812659	-	-	-	-				
						1.0	-	-	22.2	22.2	8.2	8.2	32.3	32.3	94.7	94.7	6.8	6.8	6.2	10	-	-	-	-	-	-	-	-				
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.7	-	-	22.2	22.2	8.2	8.2	32.3	32.2	95.6	95.8	6.9	6.9	6.4	10	-	-	-	-	-	-	-	-	-	-		
						3.7	-	-	22.2	22.2	8.2	8.2	32.2	32.2	95.9	95.9	6.9	6.9	6.3	10	-	-	-	-	-	-	-	-	-	-		
SR2	Fine	Moderate	04:05	4.2	Surface	1.0	0.2	21	22.4	22.4	8.2	8.2	32.6	32.6	93.7	93.8	6.7	6.7	5.1	6	82	84	821477	814166	<0.2	0.8	0.8					
						1.0	0.2	22	22.4	22.4	8.2	8.2	32.6	32.6	93.8	93.8	6.7	6.7	5.2	7	82	7	86	7	86	7	<0.2	0.8	0.8			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.2	0.1	66	22.4	22.4	8.2	8.2	32.6	32.6	94.6	94.7	6.8	6.8	5.2	7	87	7	86	7	86	7	<0.2	0.8	0.8			
						3.2	0.1	68	22.4	22.4	8.2	8.2	32.6	32.6	94.8	94.8	6.8	6.8	5.2	7	86	7	86	7	86	7	<0.2	0.8	0.8			
SR3	Fine	Moderate	05:22	8.1	Surface	1.0	0.3	169	21.7	21.7	8.3	8.3	31.8	31.8	99.1	99.1	7.3	7.3	4.3	7	-	-	822146	807547	-	-	-					
						1.0	0.4	168	21.7	21.7	8.3	8.3	31.8	31.8	99.0	99.0	7.2	7.2	4.3	7	-	-	-	-	-	-	-	-				
						4.1	0.4	181	21.8	21.8	8.2	8.2	31.8	31.8	96.5	96.2	7.0	7.0	4.0	7	-	-	-	-	-	-	-	-				
					Middle	4.1	0.5	182	21.8	21.8	8.2	8.2	31.9	31.8	95.9	96.2	7.0	7.0	4.0	6	-	-	-	-	-	-	-	-	-			
						7.1	0.5	167	22.2	22.2	8.3	8.3	32.1	32.1	95.4	95.5	6.9	6.9	3.6	7	-	-	-	-	-	-	-	-				
						7.1	0.5	169	22.2	22.2	8.3	8.3	32.1	32.1	95.6	95.5	6.9	6.9	3.6	8	-	-	-	-	-	-	-	-				
SR4A	Sunny	Rough	04:08	10.1	Surface	1.0	0.4	76	21.7	21.7	8.0	8.0	32.1	32.1	96.1	96.1	6.9	6.9	3.5	9	-	-	817205	807822	-	-	-					
						1.0	0.4	81	21.7	21.7	8.0	8.0	32.1	32.1	96.0	96.0	6.9	6.9	3.5	10	-	-	-	-	-	-	-					
						5.1	0.3	73	21.7	21.7	8.0	8.0	32.5	32.5	96.0	95.9	6.9	6.9	5.2	9	-	-	-	-	-	-	-					
					Middle	5.1	0.3	74	21.7	21.7	8.0	8.0	32.5	32.5	95.8	95.9	6.9	6.9	5.3	9	-	-	-	-	-	-	-	-				
						9.1	0.3	46	21.8	21.8	8.1	8.1	32.9	32.9	97.0	97.1	7.0	7.0	8.6	8	-	-	-	-	-	-	-					
						9.1	0.4	46	21.8	21.8	8.1	8.1	32.9	32.9	97.2	97.1	7.0	7.0	8.7	7	-	-	-	-	-	-	-					
SR5A	Sunny	Rough	03:49	3.2	Surface	1.0	0.1	49	22.0	22.0	8.1	8.1	32.2	32.2	96.9	97.0	7.0	7.0	6.3	9	-	-	816581	810673	-	-	-					
						1.0	0.1	50	22.0	22.0	8.1	8.1	32.2	32.2	97.1	97.1	7.0	7.0	6.3	8	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.2	0.2	42	21.8	21.8	8.1	8.1	32.2	32.2	95.8	95.7	6.9	6.9	12.7	9	-</											

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

Water Quality Monitoring Results on 03 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Fine	Rough	17:00	7.3	Surface	1.0	0.3	352	22.1	22.1	8.0	8.0	33.8	33.8	99.9	99.9	7.1	7.3	6	82	87	82	87	87	87	815628	804246	<0.2	0.8	0.9	0.9				
						1.0	0.3	16	22.1	22.1	8.0	8.0	33.8	33.8	99.8	99.8	7.1	7.1	7	83	7	83	7	83	7	83	7	83	7	83	7	83	7	83	7
					Middle	3.7	0.3	2	22.1	22.1	8.0	8.0	33.9	33.9	99.7	99.7	7.1	7.2	14	86	12	86	12	86	12	86	12	86	12	86	12	86	12	86	12
						3.7	0.3	2	22.1	22.1	8.0	8.0	33.9	33.9	99.6	99.6	7.1	7.2	13	86	13	86	13	86	13	86	13	86	13	86	13	86	13	86	13
					Bottom	6.3	0.3	357	22.1	22.1	8.0	8.0	33.9	33.9	99.6	99.6	7.1	7.2	15	91	15	91	15	91	15	91	15	91	15	91	15	91	15	91	15
						6.3	0.3	28	22.1	22.1	8.0	8.0	33.9	33.9	99.5	99.5	7.1	7.1	15	91	15	91	15	91	15	91	15	91	15	91	15	91	15	91	15
C2	Fine	Rough	15:41	8.3	Surface	1.0	0.2	344	21.9	21.9	8.2	8.2	31.8	31.8	96.0	96.0	7.0	4.2	6	83	6	83	6	83	6	83	6	83	6	83	6				
						1.0	0.3	357	21.9	21.9	8.2	8.2	31.8	31.8	95.8	95.8	7.0	4.2	6	87	6	87	6	87	6	87	6	87	6	87	6	87	6		
					Middle	4.2	0.1	348	22.0	22.1	8.2	8.2	31.9	32.0	94.5	94.5	6.9	4.5	5	88	5	88	5	88	5	88	5	88	5	88	5	88	5	88	5
						4.2	0.1	355	22.1	22.1	8.2	8.2	32.0	32.0	94.5	94.5	6.9	4.5	6	87	6	87	6	87	6	87	6	87	6	87	6	87	6	87	6
					Bottom	7.3	0.1	350	22.2	22.2	8.2	8.2	32.1	32.1	94.9	94.9	6.9	5.2	7	92	7	92	7	92	7	92	7	92	7	92	7	92	7	92	7
						7.3	0.1	322	22.2	22.2	8.2	8.2	32.1	32.1	95.1	95.1	6.9	5.0	6	91	6	91	6	91	6	91	6	91	6	91	6	91	6	91	6
C3	Fine	Moderate	17:25	11.5	Surface	1.0	0.1	2	22.8	22.8	8.3	8.3	33.5	33.5	93.2	93.2	6.6	2.8	4	86	4	86	4	86	4	86	4	86	4	86	4				
						1.0	0.1	2	22.8	22.8	8.3	8.3	33.5	33.5	93.2	93.2	6.6	2.8	6	86	6	86	6	86	6	86	6	86	6	86	6	86	6		
					Middle	5.8	0.2	69	22.8	22.8	8.3	8.3	33.5	33.5	93.3	93.4	6.6	2.6	4	89	4	89	4	89	4	89	4	89	4	89	4	89	4		
						5.8	0.2	72	22.8	22.8	8.3	8.3	33.5	33.5	93.4	93.4	6.6	2.7	5	90	5	90	5	90	5	90	5	90	5	90	5	90	5		
					Bottom	10.5	0.2	74	22.8	22.8	8.3	8.3	33.5	33.5	94.1	94.3	6.7	2.7	5	93	5	93	5	93	5	93	5	93	5	93	5	93	5	93	5
						10.5	0.2	74	22.8	22.8	8.3	8.3	33.5	33.5	94.4	94.3	6.7	2.7	5	93	5	93	5	93	5	93	5	93	5	93	5	93	5	93	5
IM1	Fine	Rough	16:39	3.2	Surface	1.0	0.1	44	21.7	21.7	8.1	8.1	32.6	32.6	102.5	102.5	7.4	2.4	6	82	6	82	6	82	6	82	6	82	6	82	6				
						1.0	0.1	46	21.7	21.7	8.1	8.1	32.6	32.6	102.5	102.5	7.4	2.4	7	83	7	83	7	83	7	83	7	83	7	83	7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	2.2	0.2	351	21.7	21.7	8.1	8.1	32.6	32.6	102.6	102.6	7.4	2.2	7	90	7	90	7	90	7	90	7	90	7	90	7	90	7	90	7
						2.2	0.2	353	21.7	21.7	8.1	8.1	32.6	32.6	102.6	102.6	7.4	2.1	8	91	8	91	8	91	8	91	8	91	8	91	8	91	8	91	8
IM2	Fine	Rough	16:32	7.9	Surface	1.0	0.1	358	21.5	21.5	8.1	8.1	32.8	32.8	98.6	98.6	7.1	6.1	13	82	13	82	13	82	13	82	13	82	13	82	13				
						1.0	0.1	329	21.5	21.5	8.1	8.1	32.8	32.8	98.7	98.7	7.1	6.1	12	83	12	83	12	83	12	83	12	83	12	83	12	83	12		
					Middle	4.0	0.2	5	21.6	21.6	8.1	8.1	32.8	32.8	98.3	98.4	7.1	6.4	13	86	13	86	13	86	13	86	13	86	13	86	13	86	13	86	13
						4.0	0.2	5	21.6	21.6	8.1	8.1	32.8	32.8	98.4	98.4	7.1	6.5	15	87	15	87	15	87	15	87	15	87	15	87	15	87	15		
					Bottom	6.9	0.2	33	21.7	21.7	8.1	8.1	33.2	33.2	99.8	99.7	7.2	7.6	9	90	9	90	9	90	9	90	9	90	9	90	9	90	9	90	9
						6.9	0.2	35	21.7	21.7	8.1	8.1	33.2	33.2	99.5	99.5	7.1	7.6	8	91	8	91	8	91	8	91	8	91	8	91	8	91	8	91	8
IM3	Fine	Rough	16:22	8.1	Surface	1.0	0.0	9	21.7	21.7	8.1	8.1	33.3	33.3	99.4	99.5	7.1	5.4	7	82	7	82	7	82	7	82	7	82	7	82	7				
						1.0	0.0	9	21.7	21.7	8.1	8.1	33.3	33.3	99.5	99.5	7.1	5.4	13	83	13	83	13	83	13	83	13	83	13	83	13	83	13		
					Middle	4.1	0.1	68	21.7	21.7	8.1	8.1	33.3	33.3	99.8	99.8	7.1	6.2	6	87	6	87	6	87	6	87	6	87	6	87	6	87	6	87	6
						4.1	0.1	69	21.7	21.7	8.1	8.1	33.3	33.3	99.8	99.8	7.2	6.2	15	87	15	87	15	87	15	87	15	87	15	87	15	87	15	87	15
					Bottom	7.1	0.0	50	21.7	21.7	8.1	8.1	33.3	33.3	99.5	99.5	7.1	6.5	14	90	14	90	14	90	14	90	14	90	14	90	14	90	14	90	14
						7.1	0.0	50	21.7	21.7	8.1	8.1	33.3	33.3	99.7	99.7	7.1	6.4	15	90	15	90	15	90	15	90	15	90	15	90	15	90	15	90	15
IM4	Fine	Rough	16:13	6.8	Surface	1.0	0.2	65	21.6	21.6	8.0	8.0	33.2	33.2	99.2	99.3	7.1	6.6	13	82	13	82	13	82	13	82	13	82	13	82	13				
						1.0	0.3	66	21.6	21.6	8.0	8.0	33.2	33.2	99.4	99.4	7.1	6.5	12	83	12	83	12	83	12	83	12	83	12	83	12				
					Middle	3.4	0.2	50	21.7	21.7	8.0	8.0	33.2	33.2	98.5	98.6	7.1	7.0	13	86	13	86	13	86	13	86	13	86	13	86	13	86	13		
						3.4	0.2	51	21.7	21.7	8.0	8.0	33.2	33.2	98.6	98.6	7.1	7.0	12	86	12	86	12	86	12	86	12	86	12	86	12				
					Bottom	5.8	0.2	56	21.7	21.7	8.0	8.0	33.2	33.2	99.3	99.3	7.1	6.9	13	90	13	90	13	90	13	90	13	90	13	90	13	90	13		
						5.8	0.2	59	21.7	21.7	8.0	8.0	33.2	33.2	99.3	99.3	7.1	6.9	12	90	12	90	12	90	12	90	12	90	12	90	12	90	12		
IM5	Fine	Rough	16:05	7.3	Surface	1.0	0.4	72	21.4	21.4	8.0	8.0	32.7	32.7	100.1	100.0	7.2	5.6	6	82	6	82	6	82	6	82	6	82	6	82	6				
						1.0	0.4	73	21.4	21.4	8.0	8.0	32.7	32.7	99.9	99.9	7.2	5.6	4	83	4	83	4	83	4	83	4	83	4	83	4				
					Middle	3.7	0.3	74	21.5	21.5	8.0	8.0	32.7	32.7	98.5	98.6	7.1	7.1	8	87	8	87	8												

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

Water Quality Monitoring Results on 05 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Rainy	Rough	06:24	8.3	Surface	1.0	0.1	142	20.3	20.3	8.0	8.0	33.6	33.6	101.7	101.7	7.5	7.5	2.6	8	8	84	84	<0.2	0.6	<0.2	0.6					
						1.0	0.1	134	20.3	8.0	8.0	33.6	33.6	101.7	101.7	7.5	7.5	2.7	9	9	85	85	<0.2	0.5								
						4.2	0.1	129	20.3	20.3	8.0	8.0	33.6	33.6	101.2	101.3	7.4	7.4	3.4	8	8	86	86	<0.2	0.6							
					4.2	0.1	139	20.3	20.3	8.0	8.0	33.6	33.6	101.3	101.3	7.4	7.4	3.5	10	10	87	87	<0.2	0.7								
					7.3	0.0	113	20.3	20.3	8.0	8.0	33.6	33.6	102.1	102.2	7.5	7.5	4.0	9	9	88	88	<0.2	0.6								
					7.3	0.0	120	20.3	20.3	8.0	8.0	33.6	33.6	102.2	102.2	7.5	7.5	4.1	10	10	88	88	<0.2	0.7								
C2	Rainy	Moderate	07:46	9.6	Surface	1.0	0.3	159	21.1	21.1	8.1	8.1	32.1	32.1	94.5	94.5	7.0	7.0	3.5	7	7	85	85	<0.2	1.1	<0.2	1.0					
						1.0	0.3	140	21.1	21.1	8.1	8.1	32.1	32.1	94.5	94.5	7.0	7.0	3.5	7	7	84	84	<0.2	1.0							
						4.8	0.4	135	21.6	21.6	8.1	8.1	32.9	32.9	92.8	92.8	6.8	6.8	3.0	6	6	86	86	<0.2	1.1							
					4.8	0.4	138	21.6	21.6	8.1	8.1	32.9	32.9	92.8	92.8	6.8	6.8	3.0	6	6	86	86	<0.2	1.0								
					8.6	0.5	144	21.7	21.7	8.1	8.1	33.1	33.1	91.6	91.7	6.6	6.6	6.1	8	8	88	88	<0.2	0.8								
					8.6	0.6	145	21.7	21.7	8.1	8.1	33.1	33.1	91.7	91.7	6.6	6.6	6.1	8	8	87	87	<0.2	1.0								
C3	Rainy	Moderate	05:44	11.5	Surface	1.0	0.3	78	22.1	22.1	8.1	8.1	33.5	33.5	93.3	93.3	6.7	6.7	2.2	5	5	85	85	<0.2	0.4	<0.2	0.5					
						1.0	0.3	81	22.1	22.1	8.1	8.1	33.5	33.5	93.3	93.3	6.7	6.7	2.2	4	4	85	85	<0.2	0.4							
						5.8	0.1	129	22.1	22.1	8.1	8.1	33.5	33.5	93.2	93.2	6.7	6.7	2.3	5	5	87	87	<0.2	0.4							
					5.8	0.1	136	22.1	22.1	8.1	8.1	33.5	33.5	93.2	93.2	6.7	6.7	2.3	4	4	87	87	<0.2	0.5								
					10.5	0.2	128	22.0	22.0	8.1	8.1	33.5	33.5	92.9	92.9	6.7	6.7	5.1	5	5	89	89	<0.2	0.7								
					10.5	0.2	129	22.0	22.0	8.1	8.1	33.5	33.5	92.9	92.9	6.7	6.7	5.1	6	6	88	88	<0.2	0.6								
IM1	Rainy	Moderate	06:37	4.8	Surface	1.0	0.0	129	20.4	20.4	8.0	8.0	33.5	33.5	100.8	100.8	7.4	7.4	3.6	11	11	83	83	<0.2	0.6	<0.2	0.7					
						1.0	0.0	140	20.4	20.4	8.0	8.0	33.5	33.5	100.7	100.7	7.4	7.4	3.7	10	10	84	84	<0.2	0.8							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					3.8	0.0	241	20.4	20.4	8.0	8.0	33.5	33.5	101.5	101.6	7.4	7.4	4.2	10	10	87	87	<0.2	0.8								
					3.8	0.0	253	20.4	20.4	8.0	8.0	33.5	33.5	101.6	101.6	7.4	7.4	4.2	11	11	87	87	<0.2	0.7								
					1.0	0.1	129	20.4	20.4	8.0	8.0	33.6	33.6	99.9	99.9	7.3	7.3	2.9	11	11	84	84	<0.2	0.7								
IM2	Rainy	Moderate	06:46	7.1	Surface	1.0	0.1	130	20.4	20.4	8.0	8.0	33.6	33.6	99.9	99.9	7.3	7.3	3.0	10	10	85	85	<0.2	0.8	<0.2	0.8					
						3.6	0.1	122	20.4	20.4	8.0	8.0	33.6	33.6	100.1	100.1	7.3	7.3	3.5	11	11	86	86	<0.2	0.8							
						3.6	0.1	123	20.4	20.4	8.0	8.0	33.6	33.6	100.1	100.1	7.3	7.3	3.5	10	10	87	87	<0.2	0.8							
					6.1	0.1	130	20.4	20.4	8.0	8.0	33.7	33.7	99.1	99.1	7.2	7.2	7.1	10	10	88	88	<0.2	0.7								
					6.1	0.1	131	20.4	20.4	8.0	8.0	33.7	33.7	98.9	98.9	7.2	7.2	7.3	9	9	88	88	<0.2	0.8								
					1.0	0.3	136	20.3	20.3	8.0	8.0	33.5	33.5	99.9	99.9	7.3	7.3	3.1	8	8	83	83	<0.2	0.7								
IM3	Rainy	Rough	06:56	7.0	Surface	1.0	0.3	136	20.3	20.3	8.0	8.0	33.5	33.5	99.6	99.6	7.3	7.3	3.2	8	8	84	84	<0.2	0.7	<0.2	0.7					
						3.5	0.2	134	20.3	20.3	8.0	8.0	33.5	33.5	99.0	99.0	7.3	7.3	2.9	10	10	85	85	<0.2	0.7							
						3.5	0.2	132	20.3	20.3	8.0	8.0	33.5	33.5	99.3	99.3	7.3	7.3	3.0	9	9	85	85	<0.2	0.7							
					6.0	0.2	113	20.3	20.3	8.0	8.0	33.5	33.5	99.3	99.3	7.3	7.3	3.2	9	9	87	87	<0.2	0.8								
					6.0	0.3	121	20.3	20.3	8.0	8.0	33.6	33.6	99.4	99.4	7.3	7.3	3.4	10	10	87	87	<0.2	0.8								
					1.0	0.4	202	20.3	20.3	8.0	8.0	33.4	33.4	100.4	100.4	7.4	7.4	2.6	11	11	85	85	<0.2	0.8								
IM4	Rainy	Rough	07:06	7.4	Surface	1.0	0.4	223	20.3	20.3	8.0	8.0	33.3	33.3	100.2	100.2	7.4	7.4	2.6	12	12	85	85	<0.2	0.6	<0.2	0.6					
						3.7	0.5	234	20.3	20.3	8.0	8.0	33.4	33.4	100.6	100.6	7.4	7.4	2.7	9	9	87	87	<0.2	0.6							
						3.7	0.5	235	20.3	20.3	8.0	8.0	33.4	33.4	100.8	100.7	7.4	7.4	2.7	9	9	87	87	<0.2	0.6							
					6.4	0.4	236	20.3	20.3	8.0	8.0	33.5	33.5	100.9	100.9	7.4	7.4	3.5	7	7	88	88	<0.2	0.6								
					6.4	0.4	233	20.3	20.3	8.0	8.0	33.5	33.5	101.2	101.1	7.4	7.4	3.5	8	8	89	89	<0.2	0.6								
					1.0	0.4	212	20.4	20.4	8.0	8.0	33.3	33.3	100.1	100.1	7.3	7.3	2.6	8	8	84	84	<0.2	0.8								
IM5	Rainy	Rough	07:16	7.3	Surface	1.0	0.4	208	20.4	20.4	8.0	8.0	33.4	33.4	100.2	100.2	7.4	7.4	2.6	9	9	85	85	<0.2	0.8	<0.2	0.7					
						3.7	0.4	221	20.4	20.4	8.0	8.0	33.4	33.4	100.0	100.0	7.3	7.3	3.1	9	9	87	87	<0.2	0.7							
						3.7	0.4	222	20.4	20.4	8.0	8.0	33.4	33.4	100.1	100.1	7.3	7.3	3.2	8	8	87	87	<0.2	0.6							
					6.3	0.3	207	20.4	20.4	8.0	8.0	33.5	33.5	99.7	99.7	7.3	7.3	3.8	7	7	89	89	<0.2	0.7								
					6.3	0.3	203	20.4	20.4	8.0	8.0	33.5	33.5	99.8	99.8	7.3	7.3	3.9	7	7	89	89	<0.2	0.6								
					1.0	0.1	198	20.4	20.4	8.0	8.0	33.2	33.2	100.4	100.4	7.4	7.4	2.7	7	7	84	84	<0.2	0.7								
IM6	Rainy	Rough	07:23	7.9	Surface	1.0	0.2	182	20.3	20.3	8.0	8.0	33.2	33.2	100.1	100.3	7.4	7.4	2.8	8	8	84	84	<0.2	0.6	<0.2	0.7					
						4.0	0.2	192	20.3	20.3	8.0	8.0	33.3	33.3	100.3	100.3	7.4	7.4	3.5	7	7	87	87	<0.2	0.7							
						4.0	0.2	199	20.3	20.3	8.0	8.0	33.3	33.3	100.2	100.3	7.4	7.4	3.6	7	7	87	87	<0.2	0.7							
					6.9	0.1	202	20.3	20.3	8.0	8.0	33.4	33.4	100.8	100.8	7.4	7.4	4.4	7	7	89	89	<0.2	0.7								
					6.9	0.1	210	20.3	20.3	8.0	8.0	33.4	33.4	101.1	101.0	7.4	7.4	4.3	8	8	89	89	<0.2	0.8								
					1.0	0.0	184	20.4	20.4	8.0	8.0	33.1	33.1	100.5	100.5	7.4	7.4	1.5	7	7	86	86	<0.2	0.7								
IM7	Rainy	Rough	07:32	7.6	Surface	1.0	0.0	175	20.4	20.4	8.0	8.0	33.1	33.1	100.9	100.7	7.4	7.4	1.6	6	6	88	88	<0.2	0.7	<0.2	0.7					
						3.8	0.2	198	20.4	20.4	8.0	8.0	33.1	33.1	100.3	100.3	7.4	7.4	1.8	7	7	87	87	<0.2	0.8							
						3.8	0.2	171	20.4																							

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

Water Quality Monitoring Results on 05 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Rainy	Moderate	07:21	6.8	Surface	1.0	0.2	152	20.4	20.4	8.2	8.2	32.9	32.9	98.3	98.3	7.3	6.4	7.3	11	10	85	85	86	822100	808807	<0.2	0.7	0.7	0.7			
						1.0	0.2	156	20.4	20.4	8.2	8.2	32.9	32.9	98.3	98.3	7.3	6.5	7.3	10	10	84	84	86	822100	808807	<0.2	0.6	0.7	0.7			
						3.4	0.3	179	20.4	20.4	8.2	8.2	32.9	32.9	98.3	98.3	7.3	6.8	7.3	11	10	85	85	86	822100	808807	<0.2	0.7	0.7	0.7			
					Middle	3.4	0.3	180	20.4	20.4	8.2	8.2	32.9	32.9	98.3	98.3	7.3	6.8	7.3	7.7	7.7	8	8	87	87	86	822100	808807	<0.2	0.6	0.7	0.7	
						5.8	0.1	155	20.4	20.4	8.2	8.2	32.9	32.9	98.2	98.2	7.3	7.7	7.3	7.7	7.7	7	7	87	87	86	822100	808807	<0.2	0.6	0.7	0.7	
						5.8	0.1	160	20.4	20.4	8.2	8.2	32.9	32.9	98.2	98.2	7.3	7.7	7.3	7.7	7.7	7	7	87	87	86	822100	808807	<0.2	0.6	0.7	0.7	
IM10	Rainy	Moderate	07:14	6.9	Surface	1.0	0.1	143	20.4	20.4	8.2	8.2	32.9	32.9	97.7	97.7	7.3	5.4	7.3	8	8	84	84	86	822392	809792	<0.2	0.7	0.7	0.7			
						1.0	0.2	144	20.4	20.4	8.2	8.2	32.9	32.9	97.7	97.7	7.3	5.4	7.3	9	9	85	85	86	822392	809792	<0.2	0.7	0.7	0.7			
						3.5	0.2	130	20.4	20.4	8.2	8.2	32.9	32.9	97.5	97.5	7.3	6.4	7.3	8	8	86	86	86	822392	809792	<0.2	0.7	0.7	0.7			
					Middle	3.5	0.2	141	20.4	20.4	8.2	8.2	32.9	32.9	97.5	97.5	7.3	6.4	7.3	10	10	85	85	86	822392	809792	<0.2	0.6	0.7	0.7			
						5.9	0.2	129	20.4	20.4	8.2	8.2	32.9	32.9	97.4	97.4	7.2	6.6	7.2	11	11	87	87	86	822392	809792	<0.2	0.5	0.7	0.7			
						5.9	0.2	131	20.4	20.4	8.2	8.2	32.9	32.9	97.4	97.4	7.2	6.6	7.2	11	11	87	87	86	822392	809792	<0.2	0.7	0.7	0.7			
IM11	Rainy	Moderate	07:04	7.5	Surface	1.0	0.1	137	21.1	21.1	8.1	8.1	33.0	33.0	94.8	94.8	7.0	3.3	7.0	6	6	84	84	86	822073	811440	<0.2	0.6	0.6	0.6			
						1.0	0.1	132	21.1	21.1	8.1	8.1	33.0	33.0	94.8	94.8	7.0	3.3	7.0	7	7	85	85	86	822073	811440	<0.2	0.6	0.6	0.6			
						3.8	0.1	139	21.1	21.1	8.1	8.1	33.0	33.0	94.7	94.7	6.9	3.5	6.9	5	5	86	86	86	822073	811440	<0.2	0.6	0.6	0.6			
					Middle	3.8	0.1	138	21.1	21.1	8.1	8.1	33.0	33.0	94.7	94.7	6.9	3.5	6.9	5	5	86	86	86	822073	811440	<0.2	0.6	0.6	0.6			
						6.5	0.1	136	21.2	21.2	8.1	8.1	33.0	33.0	94.7	94.7	6.9	3.6	6.9	5	5	87	87	86	822073	811440	<0.2	0.6	0.6	0.6			
						6.5	0.1	137	21.2	21.2	8.1	8.1	33.0	33.0	94.8	94.8	6.9	3.6	6.9	5	5	86	86	86	822073	811440	<0.2	0.6	0.6	0.6			
IM12	Rainy	Moderate	06:58	8.3	Surface	1.0	0.2	126	21.3	21.3	8.1	8.1	33.0	33.0	92.6	92.6	6.8	4.3	6.8	8	8	84	84	86	821443	812068	<0.2	0.6	0.6	0.6			
						1.0	0.2	127	21.3	21.3	8.1	8.1	33.0	33.0	92.6	92.6	6.8	4.3	6.8	7	7	84	84	86	821443	812068	<0.2	0.5	0.6	0.6			
						4.2	0.2	132	21.3	21.3	8.1	8.1	33.0	33.0	92.6	92.6	6.8	4.6	6.8	8	8	86	86	86	821443	812068	<0.2	0.6	0.6	0.6			
					Middle	4.2	0.2	124	21.3	21.3	8.1	8.1	33.0	33.0	92.7	92.7	6.8	4.7	6.8	7	7	86	86	86	821443	812068	<0.2	0.6	0.6	0.6			
						7.3	0.2	119	21.2	21.2	8.1	8.1	33.0	33.0	92.9	92.9	6.8	4.9	6.8	7	7	88	88	86	821443	812068	<0.2	0.6	0.6	0.6			
						7.3	0.2	126	21.2	21.2	8.1	8.1	33.0	33.0	93.0	93.0	6.8	4.8	6.8	6	6	87	87	86	821443	812068	<0.2	0.6	0.6	0.6			
SR1A	Rainy	Moderate	06:23	5.1	Surface	1.0	-	-	20.7	20.7	8.1	8.1	32.5	32.5	92.5	92.5	6.9	3.4	6.9	6	6	-	-	-	819978	812666	-	-	-	-			
						1.0	-	-	20.7	20.7	8.1	8.1	32.5	32.5	92.5	92.5	6.9	3.4	6.9	4	4	-	-	-	819978	812666	-	-	-	-			
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.1	-	-	20.9	20.9	8.1	8.1	32.7	32.7	93.5	93.5	6.9	3.5	6.9	7	7	-	-	-	-	-	-	-	-	-	-	-	-
						4.1	-	-	20.9	20.9	8.1	8.1	32.7	32.7	93.4	93.4	6.9	3.5	6.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Rainy	Moderate	06:05	4.9	Surface	1.0	0.2	20	21.6	21.6	8.1	8.1	33.3	33.3	93.5	93.5	6.8	2.9	6.8	5	5	86	86	87	821442	814176	<0.2	0.6	0.5	0.5			
						1.0	0.2	21	21.6	21.6	8.1	8.1	33.3	33.3	93.5	93.5	6.8	2.9	6.8	4	4	86	86	86	821442	814176	<0.2	0.5	0.5	0.5			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.9	0.1	68	21.7	21.7	8.1	8.1	33.3	33.3	93.6	93.6	6.8	3.5	6.8	5	5	88	88	86	821442	814176	<0.2	0.4	0.5	0.5			
						3.9	0.1	69	21.7	21.7	8.1	8.1	33.3	33.3	93.7	93.7	6.8	3.5	6.8	6	6	88	88	86	821442	814176	<0.2	0.5	0.5	0.5			
SR3	Rainy	Moderate	07:31	8.2	Surface	1.0	0.3	198	20.4	20.4	8.2	8.2	32.8	32.8	98.0	98.0	7.3	3.3	7.3	7	7	-	-	-	822165	807570	-	-	-	-			
						1.0	0.3	170	20.4	20.4	8.2	8.2	32.8	32.8	98.0	98.0	7.3	3.3	7.3	7	7	-	-	-	822165	807570	-	-	-	-			
						4.1	0.4	175	20.4	20.4	8.2	8.2	32.8	32.8	97.8	97.8	7.3	3.6	7.3	5	5	-	-	-	822165	807570	-	-	-	-			
					Middle	4.1	0.4	181	20.4	20.4	8.2	8.2	32.8	32.8	97.8	97.8	7.3	3.6	7.3	4	4	-	-	-	822165	807570	-	-	-	-			
						7.2	0.5	170	20.4	20.4	8.2	8.2	32.8	32.8	97.4	97.4	7.2	4.1	7.2	3	3	-	-	-	822165	807570	-	-	-	-			
						7.2	0.5	176	20.4	20.4	8.2	8.2	32.8	32.8	97.4	97.4	7.2	4.1	7.2	4	4	-	-	-	822165	807570	-	-	-	-			
SR4A	Fine	Calm	06:13	8.9	Surface	1.0	0.4	76	20.5	20.5	8.0	8.0	32.8	32.8	97.0	96.9	7.1	2.6	7.1	7	7	-	-	-	817209	807801	-	-	-	-			
						1.0	0.4	83	20.5	20.5	8.0	8.0	32.8	32.8	96.8	96.8	7.1	2.7	7.1	8	8	-	-	-	817209	807801	-	-	-	-			
						4.5	0.3	84	20.5	20.5	8.0	8.0	33.0	33.0	96.7	96.7	7.1	3.8	7.1	8	8	-	-	-	817209	807801	-	-	-	-			
					Middle	4.5	0.3	89	20.5	20.5	8.0	8.0	33.0	33.0	96.7	96.7	7.1	4.0	7.1	8	8	-	-	-	817209	807801	-	-	-	-			
						7.9	0.3	32	20.5	20.5	8.1	8.1	33.4	33.4	97.4	97.4	7.1	6.8	7.1	6	6	-	-	-	817209	807801	-	-	-	-			
						7.9	0.3	34	20.5	20.5	8.1	8.1	33.4	33.4	97.4	97.4	7.1	6.9	7.1	5	5	-	-	-	817209	807801	-	-	-	-			
SR5A	Fine	Calm	05:57	3.4	Surface</																												

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

Water Quality Monitoring Results on 05 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Fine	Rough	14:41	8.2	Surface	1.0	0.1	335	20.6	20.6	8.1	8.1	34.0	34.0	99.5	99.5	7.2	2.5	7	85	85	85	85	85	85	815598	804226	<0.2	0.6	0.7	0.6				
						1.0	0.1	358	20.6	20.6	8.1	8.1	34.0	34.0	99.5	99.5	7.2	2.5	8	85	85	85	85	85	85	85	85	85	85	85	85	85	85		
						4.1	0.1	320	20.6	20.6	8.1	8.1	34.0	34.0	98.9	99.0	7.2	2.7	8	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					Middle	4.1	0.1	340	20.6	20.6	8.1	8.1	34.0	34.0	99.0	99.0	7.2	2.7	6	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						7.2	0.1	319	20.6	20.6	8.1	8.1	34.0	34.0	98.9	98.9	7.2	2.5	7	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
						7.2	0.1	348	20.6	20.6	8.1	8.1	34.0	34.0	98.8	98.8	7.2	2.5	8	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
C2	Rainy	Moderate	13:29	9.8	Surface	1.0	0.1	29	20.9	20.9	8.1	8.1	32.0	32.0	94.6	94.6	7.0	3.7	6	85	85	85	85	85	85	825668	806957	<0.2	0.8	0.8	0.8				
						1.0	0.1	30	20.9	20.9	8.1	8.1	32.0	32.0	94.6	94.6	7.0	3.7	6	84	84	84	84	84	84	84	84	84	84	84	84	84			
						4.9	0.1	356	21.6	21.6	8.1	8.1	32.8	32.8	92.2	92.2	6.7	3.0	6	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					Middle	4.9	0.1	328	21.6	21.6	8.1	8.1	32.8	32.8	92.1	92.1	6.7	3.1	6	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
						8.8	0.1	18	21.7	21.7	8.1	8.1	33.1	33.1	91.8	91.8	6.7	5.5	6	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
						8.8	0.1	18	21.7	21.7	8.1	8.1	33.1	33.1	91.8	91.8	6.7	5.6	7	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
C3	Rainy	Moderate	15:48	11.7	Surface	1.0	0.0	234	22.2	22.2	8.1	8.1	33.5	33.5	92.9	92.9	6.7	2.2	6	85	85	85	85	85	85	822120	817795	<0.2	0.6	0.6	0.6				
						1.0	0.0	246	22.2	22.2	8.1	8.1	33.5	33.5	92.9	92.9	6.7	2.2	5	86	86	86	86	86	86	86	86	86	86	86	86	86	86		
						5.9	0.1	259	22.2	22.2	8.1	8.1	33.5	33.5	92.8	92.8	6.7	2.7	4	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					Middle	5.9	0.1	264	22.2	22.2	8.1	8.1	33.5	33.5	92.8	92.8	6.7	2.6	5	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						10.7	0.1	257	22.2	22.2	8.1	8.1	33.5	33.5	93.1	93.2	6.7	3.5	5	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
						10.7	0.1	269	22.2	22.2	8.1	8.1	33.5	33.5	93.2	93.2	6.7	3.5	4	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
IM1	Rainy	Moderate	14:20	4.3	Surface	1.0	0.2	2	20.3	20.3	8.1	8.1	33.5	33.5	102.2	102.3	7.5	3.1	7	83	83	83	83	83	83	817930	807138	<0.2	0.6	0.7	0.7				
						1.0	0.2	2	20.3	20.3	8.1	8.1	33.5	33.5	102.4	102.4	7.5	3.1	6	84	84	84	84	84	84	84	84	84	84	84	84	84			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.3	0.2	0	20.3	20.3	8.1	8.1	33.5	33.5	103.4	103.7	7.6	3.2	8	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
						3.3	0.2	0	20.3	20.3	8.1	8.1	33.5	33.5	103.9	103.9	7.6	3.2	7	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87
IM2	Rainy	Moderate	14:12	6.6	Surface	1.0	0.2	349	20.3	20.3	8.1	8.1	33.3	33.3	100.5	100.5	7.4	2.3	5	85	85	85	85	85	85	818147	806147	<0.2	0.7	0.7	0.7				
						1.0	0.2	321	20.3	20.3	8.1	8.1	33.3	33.3	100.5	100.5	7.4	2.3	5	85	85	85	85	85	85	85	85	85	85	85	85	85			
						3.3	0.2	27	20.3	20.3	8.1	8.1	33.4	33.4	100.5	100.5	7.4	2.7	7	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
					Middle	3.3	0.2	28	20.3	20.3	8.1	8.1	33.4	33.4	100.4	100.4	7.4	2.8	7	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
						5.6	0.1	11	20.4	20.4	8.1	8.1	33.6	33.6	101.2	101.2	7.4	3.8	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						5.6	0.1	11	20.4	20.4	8.1	8.1	33.6	33.6	101.2	101.2	7.4	3.9	6	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
IM3	Rainy	Moderate	14:04	6.7	Surface	1.0	0.1	77	20.2	20.2	8.1	8.1	33.7	33.7	101.4	101.2	7.4	3.0	6	84	84	84	84	84	84	818794	805570	<0.2	0.7	0.7	0.7				
						1.0	0.1	80	20.2	20.2	8.1	8.1	33.7	33.7	101.0	101.0	7.4	2.9	7	84	84	84	84	84	84	84	84	84	84	84	84	84			
						3.4	0.1	64	20.2	20.2	8.1	8.1	33.7	33.7	100.9	101.0	7.4	3.2	7	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
					Middle	3.4	0.1	66	20.2	20.2	8.1	8.1	33.7	33.7	101.0	101.0	7.4	3.2	8	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
						5.7	0.0	58	20.2	20.2	8.1	8.1	33.7	33.7	100.7	100.7	7.4	3.7	7	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
						5.7	0.0	58	20.2	20.2	8.1	8.1	33.7	33.7	101.1	100.9	7.4	3.9	7	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
IM4	Rainy	Moderate	13:54	7.4	Surface	1.0	0.2	28	20.3	20.3	8.1	8.1	33.5	33.5	100.3	100.1	7.4	3.6	8	83	83	83	83	83	83	819738	804595	<0.2	0.7	0.6	0.6				
						1.0	0.2	30	20.3	20.3	8.1	8.1	33.5	33.5	99.9	99.9	7.3	3.5	8	84	84	84	84	84	84	84	84	84	84	84	84				
						3.7	0.2	30	20.3	20.3	8.1	8.1	33.5	33.5	100.2	100.3	7.3	3.4	9	87	87	87	87	87	87	87	87	87	87	87	87	87			
					Middle	3.7	0.2	31	20.3	20.3	8.1	8.1	33.5	33.5	100.3	100.3	7.4	3.4	8	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
						6.4	0.2	42	20.3	20.3	8.1	8.1	33.5	33.5	101.1	101.3	7.4	3.5	7	88	88	88	88	88	88	88	88	88	88	88	88	88			
						6.4	0.2	45	20.3	20.3	8.1	8.1	33.5	33.5	101.4	101.3	7.4	3.5	8	88	88	88	88	88	88	88	88	88	88	88	88	88			
IM5	Rainy	Moderate	13:45	6.8	Surface	1.0	0.1	247	20.4	20.4	8.1	8.1	33.5	33.5	99.9	99.9	7.3	4.6	10	84	84	84	84	84	84	820747	804844	<0.2	1.5	1.6	1.5				
						1.0	0.1	249	20.4	20.4	8.1	8.1	33.5	33.5	99.8	99.8	7.3	4.6	10	84	84	84	84	84	84	84	84	84	84	84	84				
						3.4	0.1	238	20.4																										

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

Water Quality Monitoring Results on 05 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Rainy	Moderate	14:00	7.0	Surface	1.0	0.3	272	20.3	20.3	8.2	8.2	32.7	32.7	98.5	98.5	7.4	5.8	8	85	8	85	86	822085	808811	<0.2	0.7	<0.2	0.7			
						1.0	0.3	298	20.3	20.3	8.2	8.2	32.7	32.7	98.5	98.5	7.3	5.8	8	84	8	84	8	84	86	822085	808811	<0.2	0.7	<0.2	0.7	
					Middle	3.5	0.3	299	20.3	20.3	8.2	8.2	32.7	32.7	98.1	98.1	7.3	5.6	7	7.3	5.7	8	8	86	822085	808811	<0.2	0.6	<0.2	0.6		
						3.5	0.3	315	20.3	20.3	8.2	8.2	32.7	32.7	98.1	98.1	7.3	5.6	9	9	9	87	9	87	86	822085	808811	<0.2	0.5	<0.2	0.5	
					Bottom	6.0	0.3	288	20.4	20.4	8.2	8.2	32.8	32.8	97.9	97.9	7.3	5.5	7	7.3	7.3	5.5	7	7	87	822085	808811	<0.2	0.6	<0.2	0.6	
						6.0	0.3	296	20.4	20.4	8.2	8.2	32.8	32.8	97.9	97.9	7.3	5.6	8	8	8	88	8	88	86	822085	808811	<0.2	0.5	<0.2	0.5	
IM10	Rainy	Moderate	14:09	7.6	Surface	1.0	0.3	289	20.6	20.6	8.2	8.2	32.8	32.8	96.9	96.9	7.2	4.2	7	85	7	85	86	822406	809793	<0.2	1.0	<0.2	0.8			
						1.0	0.3	308	20.6	20.6	8.2	8.2	32.8	32.8	96.9	96.9	7.2	4.2	6	6	6	84	6	84	86	822406	809793	<0.2	0.8	<0.2	0.8	
					Middle	3.8	0.3	291	20.6	20.6	8.2	8.2	32.8	32.8	96.7	96.7	7.2	4.6	6	7.2	4.4	6	6	87	822406	809793	<0.2	0.8	<0.2	0.8		
						3.8	0.3	319	20.6	20.6	8.2	8.2	32.8	32.8	96.7	96.7	7.2	4.5	6	6	6	87	6	87	86	822406	809793	<0.2	0.7	<0.2	0.7	
					Bottom	6.6	0.3	299	20.6	20.6	8.2	8.2	32.8	32.8	96.8	96.8	7.2	4.3	5	7.2	7.2	4.3	5	5	88	822406	809793	<0.2	0.7	<0.2	0.7	
						6.6	0.3	319	20.6	20.6	8.2	8.2	32.8	32.8	96.8	96.8	7.2	4.3	5	5	5	87	5	87	86	822406	809793	<0.2	0.8	<0.2	0.8	
IM11	Rainy	Rough	14:21	8.1	Surface	1.0	0.2	269	21.6	21.6	8.1	8.1	33.3	33.3	93.5	93.5	6.8	3.7	8	85	8	85	86	822065	811474	<0.2	0.8	<0.2	0.7			
						1.0	0.3	269	21.6	21.6	8.1	8.1	33.3	33.3	93.5	93.5	6.8	3.7	7	7	7	84	7	84	86	822065	811474	<0.2	0.8	<0.2	0.8	
					Middle	4.1	0.3	274	21.6	21.6	8.1	8.1	33.3	33.3	93.3	93.3	6.8	3.7	6	6.8	3.7	6	6	86	822065	811474	<0.2	0.6	<0.2	0.6		
						4.1	0.3	295	21.6	21.6	8.1	8.1	33.3	33.3	93.3	93.3	6.8	3.7	5	5	5	87	5	87	86	822065	811474	<0.2	0.7	<0.2	0.7	
					Bottom	7.1	0.3	276	21.6	21.6	8.1	8.1	33.3	33.3	93.5	93.5	6.8	3.8	5	6.8	6.8	3.8	5	5	88	822065	811474	<0.2	0.6	<0.2	0.6	
						7.1	0.3	290	21.6	21.6	8.1	8.1	33.3	33.3	93.5	93.5	6.8	3.8	4	4	4	88	4	88	86	822065	811474	<0.2	0.7	<0.2	0.7	
IM12	Rainy	Rough	14:30	8.6	Surface	1.0	0.2	269	21.2	21.2	8.1	8.1	33.0	33.0	94.3	94.3	6.9	4.1	7	84	7	84	86	821446	812051	<0.2	0.5	<0.2	0.6			
						1.0	0.2	293	21.2	21.2	8.1	8.1	33.0	33.0	94.3	94.3	6.9	4.1	6	6	6	85	6	85	86	821446	812051	<0.2	0.6	<0.2	0.6	
					Middle	4.3	0.2	269	21.3	21.3	8.1	8.1	33.1	33.1	93.8	93.8	6.9	3.6	6	6.9	4.0	6	6	85	821446	812051	<0.2	0.5	<0.2	0.5		
						4.3	0.2	289	21.3	21.3	8.1	8.1	33.1	33.1	93.8	93.8	6.9	3.6	6	6	6	86	6	86	86	821446	812051	<0.2	0.4	<0.2	0.4	
					Bottom	7.6	0.2	265	21.4	21.4	8.1	8.1	33.2	33.2	93.2	93.2	6.8	4.3	6	6.8	6.8	4.3	6	6	88	821446	812051	<0.2	0.7	<0.2	0.7	
						7.6	0.2	265	21.4	21.4	8.1	8.1	33.2	33.2	93.2	93.2	6.8	4.3	6	6	6	88	6	88	86	821446	812051	<0.2	0.7	<0.2	0.7	
SR1A	Rainy	Moderate	15:03	4.8	Surface	1.0	-	-	20.9	20.9	8.1	8.1	32.6	32.6	91.8	91.8	6.8	6.9	9	-	9	-	-	819975	812656	-	-	-	-			
						1.0	-	-	20.9	20.9	8.1	8.1	32.6	32.6	91.8	91.8	6.8	6.8	9	9	9	-	-	-	-	819975	812656	-	-	-	-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819975	812656	-	-	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819975	812656	-	-	-	-	
					Bottom	3.8	-	-	21.1	21.1	8.1	8.1	32.7	32.7	92.7	92.7	6.8	9.7	9	9	9	-	-	-	-	819975	812656	-	-	-	-	
						3.8	-	-	21.1	21.1	8.1	8.1	32.7	32.7	92.7	92.7	6.8	9.7	9	9	9	-	-	-	-	819975	812656	-	-	-	-	
SR2	Rainy	Moderate	15:25	4.3	Surface	1.0	0.1	235	21.8	21.8	8.1	8.1	33.5	33.5	94.1	94.1	6.8	3.2	6	82	6	82	86	821448	814153	<0.2	0.5	<0.2	0.4			
						1.0	0.1	240	21.8	21.8	8.1	8.1	33.5	33.5	94.0	94.0	6.8	3.2	6	81	6	81	6	81	86	821448	814153	<0.2	0.4	<0.2	0.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821448	814153	<0.2	-	<0.2	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821448	814153	<0.2	-	<0.2	-	
					Bottom	3.3	0.0	290	21.8	21.8	8.1	8.1	33.5	33.5	93.7	93.7	6.8	3.7	4	6.8	6.8	3.7	4	4	87	821448	814153	<0.2	0.4	<0.2	0.4	
						3.3	0.0	299	21.8	21.8	8.1	8.1	33.5	33.5	93.7	93.7	6.8	3.7	5	5	5	86	5	86	86	821448	814153	<0.2	0.4	<0.2	0.4	
SR3	Rainy	Moderate	13:48	8.9	Surface	1.0	0.3	261	20.4	20.4	8.2	8.2	32.8	32.8	98.9	98.9	7.4	3.5	5	-	5	-	-	822140	807588	-	-	-	-			
						1.0	0.3	274	20.4	20.4	8.2	8.2	32.8	32.8	98.9	98.9	7.4	3.4	5	-	5	-	-	-	822140	807588	-	-	-	-		
					Middle	4.5	0.3	257	20.4	20.4	8.2	8.2	32.8	32.8	98.5	98.5	7.3	3.5	5	7.4	3.7	5	5	-	-	822140	807588	-	-	-	-	
						4.5	0.3	259	20.4	20.4	8.2	8.2	32.8	32.8	98.5	98.5	7.3	3.5	4	4	4	-	-	-	-	822140	807588	-	-	-	-	
					Bottom	7.9	0.3	262	20.5	20.5	8.2	8.2	32.8	32.8	98.3	98.3	7.3	4.0	4	7.3	7.3	4.0	4	4	-	-	822140	807588	-	-	-	-
						7.9	0.3	262	20.5	20.5	8.2	8.2	32.8	32.8	98.3	98.3	7.3	4.0	5	5	5	-	-	-	-	822140	807588	-	-	-	-	
SR4A	Fine	Moderate	15:03	7.8	Surface	1.0	0.3	348	20.3	20.3	8.0	8.0	32.8	32.8	98.1	98.1	7.2	2.9	8	-	8	-	-	817189	807787	-	-	-	-			
						1.0	0.3	358	20.3	20.3	8.0	8.0	32.8	32.8	98.0	98.0	7.2	3.0	7	7.3	3.0	7	7	-	-	817189	807787	-	-	-	-	
					Middle	3.9	0.3	3	20.2	20.2	8.0	8.0	32.8	32.8	98.5	98.5	7.3	3.7	6	6	6	-	-	-	-	817189	807787	-	-	-	-	
						3.9	0.3	3	20.2	20.2	8.0	8.0	32.8	32.8	98.5	98.5	7.3	3.7	6	6	6	-	-	-	-	817189	807787	-	-	-	-	
					Bottom	6.8	0.3	6	20.2	20.2	8.0	8.0	32.9	32.9	99.8	100.1	7.4	4.0	6	7.4	7.4	4.0	6	6	-	-	817189	807787	-	-	-	-
						6.8	0.3	6	20.2	20.2	8.0	8.0	32.																			

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

Water Quality Monitoring Results on 07 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Fine	Rough	08:57	7.2	Surface	1.0	0.2	195	19.8	19.8	8.2	8.2	34.4	34.4	98.6	98.6	7.4	3.5	9	83	8	83	88	88	815631	804265	<0.2	0.5	<0.2	0.4			
						1.0	0.2	202	19.8	19.8	8.2	8.2	34.4	34.4	98.6	98.6	7.4	3.5	8	84	7	88	7	88	88	88	815631	804265	<0.2	0.4	<0.2	0.5	
						3.6	0.2	178	19.8	19.8	8.2	8.2	34.4	34.4	98.8	98.8	7.4	3.1	7	88	7	88	7	88	88	88	815631	804265	<0.2	0.5	<0.2	0.8	
					Middle	3.6	0.2	182	19.8	19.8	8.2	8.2	34.4	34.4	98.7	98.7	7.4	3.1	8	91	6	91	6	91	8	88	88	815631	804265	<0.2	0.5	<0.2	0.6
						6.2	0.1	204	19.8	19.8	8.2	8.2	34.4	34.4	99.7	99.7	7.4	2.9	8	88	6	88	6	88	8	88	88	815631	804265	<0.2	0.5	<0.2	0.6
						6.2	0.1	223	19.8	19.8	8.2	8.2	34.4	34.4	99.7	99.7	7.4	2.9	6	91	6	91	6	91	8	88	88	815631	804265	<0.2	0.5	<0.2	0.6
C2	Sunny	Moderate	10:33	10.8	Surface	1.0	0.2	209	21.0	21.0	8.1	8.1	34.5	34.5	93.2	93.2	6.8	2.9	5	86	4	86	5	86	90	825674	806966	<0.2	0.5	<0.2	0.5		
						1.0	0.3	209	21.0	21.0	8.1	8.1	34.5	34.5	93.2	93.2	6.8	2.9	4	86	5	86	5	86	90	825674	806966	<0.2	0.5	<0.2	0.5		
						5.4	0.2	210	20.9	20.9	8.1	8.1	34.5	34.5	93.2	93.2	6.8	3.0	5	91	5	90	5	90	9	86	86	825674	806966	<0.2	0.5	<0.2	0.5
					Middle	5.4	0.2	215	20.9	20.9	8.1	8.1	34.5	34.5	93.2	93.2	6.8	3.0	5	94	4	94	4	94	5	90	90	825674	806966	<0.2	0.5	<0.2	0.5
						9.8	0.2	166	20.4	20.4	8.1	8.1	34.5	34.5	94.3	94.3	7.0	3.7	4	88	4	88	4	88	4	88	88	825674	806966	<0.2	0.5	<0.2	0.8
						9.8	0.2	181	20.4	20.4	8.1	8.1	34.5	34.5	94.3	94.3	7.0	3.7	4	94	4	94	4	94	5	90	90	825674	806966	<0.2	0.5	<0.2	0.6
C3	Sunny	Moderate	08:17	12.3	Surface	1.0	0.1	86	21.2	21.2	8.1	8.1	34.5	34.5	90.9	90.9	6.6	3.1	4	86	5	87	5	87	91	822093	817797	<0.2	0.5	<0.2	0.4		
						1.0	0.1	88	21.2	21.2	8.1	8.1	34.5	34.5	90.9	90.9	6.6	3.1	5	87	5	87	5	87	91	822093	817797	<0.2	0.5	<0.2	0.4		
						6.2	0.1	126	21.3	21.3	8.1	8.1	34.5	34.5	91.2	91.2	6.6	3.0	5	91	5	91	5	91	9	86	86	822093	817797	<0.2	0.4	<0.2	0.5
					Middle	6.2	0.1	126	21.3	21.3	8.1	8.1	34.5	34.5	91.2	91.2	6.6	3.0	4	91	5	91	5	91	5	91	91	822093	817797	<0.2	0.5	<0.2	0.4
						11.3	0.1	112	21.2	21.2	8.0	8.0	34.5	34.5	93.2	93.2	6.8	3.0	5	95	4	95	4	95	5	91	91	822093	817797	<0.2	0.4	<0.2	0.4
						11.3	0.1	117	21.2	21.2	8.0	8.0	34.5	34.5	93.5	93.5	6.8	3.0	4	95	4	95	4	95	5	91	91	822093	817797	<0.2	0.4	<0.2	0.4
IM1	Fine	Rough	09:20	4.6	Surface	1.0	0.1	197	18.8	18.8	8.2	8.2	34.2	34.2	101.9	101.9	7.7	3.3	8	83	8	84	8	84	86	817959	807111	<0.2	0.6	<0.2	0.6		
						1.0	0.2	211	18.8	18.8	8.2	8.2	34.2	34.2	101.8	101.8	7.7	3.3	8	84	8	84	8	84	8	84	86	817959	807111	<0.2	0.6	<0.2	0.6
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	817959	807111	<0.2	-	<0.2
					Middle	3.6	0.1	192	18.8	18.8	8.3	8.3	34.2	34.2	103.1	103.0	7.8	4.2	8	88	8	88	8	88	8	88	86	817959	807111	<0.2	0.6	<0.2	0.6
						3.6	0.1	201	18.8	18.8	8.3	8.3	34.2	34.2	102.9	102.9	7.8	4.2	9	88	8	88	8	88	8	88	86	817959	807111	<0.2	0.6	<0.2	0.6
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	817959	807111	<0.2	-	<0.2
IM2	Fine	Rough	09:28	7.1	Surface	1.0	0.2	193	18.8	18.8	8.1	8.1	34.1	34.1	102.5	102.5	7.8	1.9	5	83	6	83	5	83	87	818165	806183	<0.2	0.7	<0.2	0.7		
						1.0	0.2	197	18.8	18.8	8.1	8.1	34.1	34.1	102.4	102.4	7.8	1.9	6	83	6	83	5	83	5	83	87	818165	806183	<0.2	0.7	<0.2	0.7
						3.6	0.1	190	18.8	18.8	8.1	8.1	34.1	34.1	101.9	101.9	7.8	2.2	5	87	6	87	6	87	6	87	87	818165	806183	<0.2	0.6	<0.2	0.7
					Middle	3.6	0.2	208	18.8	18.8	8.1	8.1	34.1	34.1	101.8	101.8	7.7	2.2	6	87	6	87	6	87	6	87	87	818165	806183	<0.2	0.7	<0.2	0.7
						6.1	0.0	185	18.8	18.8	8.1	8.1	34.3	34.3	101.3	101.3	7.7	6.5	8	91	7	91	7	91	7	91	87	818165	806183	<0.2	0.7	<0.2	0.7
						6.1	0.0	199	18.8	18.8	8.1	8.1	34.3	34.3	101.2	101.2	7.7	6.5	7	91	7	91	7	91	7	91	87	818165	806183	<0.2	0.7	<0.2	0.7
IM3	Fine	Rough	09:35	6.3	Surface	1.0	0.2	172	18.8	18.8	8.1	8.1	34.2	34.2	103.7	103.6	7.9	2.1	6	84	6	84	5	84	87	818762	805587	<0.2	1.4	<0.2	1.3		
						1.0	0.3	177	18.8	18.8	8.0	8.0	34.2	34.2	103.5	103.5	7.9	2.1	6	84	5	84	5	84	5	84	87	818762	805587	<0.2	1.7	<0.2	1.3
						3.2	0.2	173	18.8	18.8	8.0	8.0	34.2	34.2	103.1	103.2	7.8	4.3	5	87	5	87	5	87	5	87	87	818762	805587	<0.2	1.3	<0.2	1.3
					Middle	3.2	0.2	183	18.8	18.8	8.0	8.0	34.2	34.2	103.2	103.2	7.8	4.3	5	87	5	87	5	87	5	87	87	818762	805587	<0.2	1.3	<0.2	1.3
						5.3	0.2	170	18.8	18.8	8.0	8.0	34.2	34.2	104.1	104.3	7.9	5.5	5	91	5	91	5	91	5	91	87	818762	805587	<0.2	1.7	<0.2	1.7
						5.3	0.2	179	18.8	18.8	8.0	8.0	34.2	34.2	104.4	104.3	7.9	5.5	4	91	5	91	5	91	5	91	87	818762	805587	<0.2	1.6	<0.2	1.6
IM4	Fine	Rough	09:45	7.8	Surface	1.0	0.3	176	19.2	19.2	8.0	8.0	34.4	34.4	100.6	100.7	7.6	3.1	8	83	8	83	8	83	87	819714	804586	<0.2	1.3	<0.2	1.3		
						1.0	0.3	183	19.2	19.2	8.0	8.0	34.4	34.4	100.7	100.7	7.6	3.1	8	83	8	83	8	83	8	83	87	819714	804586	<0.2	1.4	<0.2	1.4
						3.9	0.3	166	19.2	19.2	8.0	8.0	34.4	34.4	101.5	101.5	7.7	3.4	9	87	8	87	8	87	8	87	87	819714	804586	<0.2	1.4	<0.2	1.4
					Middle	3.9	0.3	173	19.2	19.2	8.0	8.0	34.4	34.4	101.4	101.5	7.6	3.4	8	87	8	87	8	87	8	87	87	819714	804586	<0.2	1.3	<0.2	1.3
						6.8	0.3	178	19.2	19.2	8.0	8.0	34.4	34.4	101.9	102.0	7.7	3.9	7	91	7	91	7	91	7	91	87	819714	804586	<0.2	1.3	<0.2	1.3
						6.8	0.3	183	19.2	19.2	8.0	8.0	34.4	34.4	102.0	102.0	7.7	3.9	8	91	8	91	8	91	8	91	87	819714	804586	<0.2	1.3	<0.2	1.3
IM5	Fine	Rough	09:55	7.9	Surface	1.0	0.4	192	19.2	19.2	8.0	8.0	34.5	34.5	100.8	100.7	7.6	3.7	9	84	9	84	10	84	88	820714	804863	<0.2	1.1	<0.2			

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

Water Quality Monitoring Results on 07 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	09:56	7.1	Surface	1.0	0.3	79	19.0	19.0	8.1	8.1	34.5	34.5	99.0	99.0	7.5	5.3	8	86	91	822078	808826	<0.2	0.5	0.4						
						1.0	0.3	86	19.0	19.0	8.1	8.1	34.5	34.5	98.9	98.7	7.5	5.4	9	87	91											
					Middle	3.6	0.2	83	19.0	19.0	8.1	8.1	34.5	34.5	98.7	98.7	7.5	5.4	7	86	91											
						3.6	0.2	84	19.0	19.0	8.1	8.1	34.5	34.5	98.7	98.7	7.5	5.5	7	86	91											
					Bottom	6.1	0.3	88	19.0	19.0	8.1	8.1	34.5	34.5	98.2	98.2	7.4	6.1	7	86	95											
						6.1	0.3	88	19.0	19.0	8.1	8.1	34.5	34.5	98.2	98.2	7.4	6.1	8	86	95											
IM10	Sunny	Moderate	09:48	8.3	Surface	1.0	0.2	107	19.4	19.4	8.1	8.1	34.3	34.3	98.6	98.6	7.4	3.9	6	86	91	822395	809784	<0.2	0.5	0.5						
						1.0	0.2	114	19.4	19.4	8.1	8.1	34.3	34.3	98.6	98.6	7.4	3.9	5	87	91											
					Middle	4.2	0.2	91	19.4	19.4	8.1	8.1	34.3	34.3	98.5	98.5	7.4	4.1	6	87	91											
						4.2	0.2	98	19.4	19.4	8.1	8.1	34.3	34.3	98.4	98.4	7.4	4.1	6	87	91											
					Bottom	7.3	0.2	79	19.1	19.1	8.1	8.1	34.3	34.3	97.9	97.9	7.4	6.5	7	86	94											
						7.3	0.2	84	19.1	19.1	8.1	8.1	34.3	34.3	97.9	97.9	7.4	6.4	7	86	95											
IM11	Sunny	Moderate	09:37	7.6	Surface	1.0	0.2	84	21.0	21.0	8.0	8.0	34.5	34.5	92.1	92.1	6.7	3.2	5	86	91	822038	811465	<0.2	0.5	0.4						
						1.0	0.2	88	21.0	21.0	8.0	8.0	34.5	34.5	92.1	92.1	6.7	3.1	4	87	91											
					Middle	3.8	0.1	82	21.0	21.0	8.0	8.0	34.5	34.5	91.7	91.7	6.7	3.7	6	86	91											
						3.8	0.1	86	21.0	21.0	8.0	8.0	34.5	34.5	91.7	91.7	6.7	3.7	5	86	91											
					Bottom	6.6	0.2	99	21.0	21.0	8.0	8.0	34.5	34.5	91.7	91.7	6.7	3.6	7	86	95											
						6.6	0.2	105	21.0	21.0	8.0	8.0	34.5	34.5	91.7	91.7	6.7	3.7	6	86	95											
IM12	Sunny	Moderate	09:30	9.7	Surface	1.0	0.1	87	21.0	21.0	8.0	8.0	34.5	34.5	91.8	91.8	6.7	2.6	4	86	91	821476	812038	<0.2	0.4	0.4						
						1.0	0.1	91	21.0	21.0	8.0	8.0	34.5	34.5	91.9	91.9	6.7	2.7	5	86	91											
					Middle	4.9	0.3	94	21.0	21.0	8.0	8.0	34.5	34.5	91.8	91.8	6.7	2.9	4	86	91											
						4.9	0.3	96	21.0	21.0	8.0	8.0	34.5	34.5	91.8	91.8	6.7	2.9	5	86	91											
					Bottom	8.7	0.2	146	21.0	21.0	8.0	8.0	34.5	34.5	92.1	92.1	6.7	2.7	5	86	95											
						8.7	0.2	156	21.0	21.0	8.0	8.0	34.5	34.5	92.2	92.2	6.7	2.7	4	86	95											
SR1A	Sunny	Moderate	08:59	5.5	Surface	1.0	-	-	19.5	19.5	8.0	8.0	33.9	33.9	91.3	91.3	6.9	3.6	3	-	-	819975	812664	-	-	-						
						1.0	-	-	19.5	19.5	8.0	8.0	33.9	33.9	91.3	91.3	6.9	3.6	4	-	-											
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
					Bottom	4.5	-	-	19.8	19.8	8.0	8.0	34.1	34.1	91.6	91.6	6.8	4.4	5	-	-	-	-	-	-		-	-	-			
						4.5	-	-	19.8	19.8	8.0	8.0	34.1	34.1	91.6	91.6	6.8	4.4	7	-	-	-	-	-	-		-	-	-			
SR2	Sunny	Moderate	08:39	4.8	Surface	1.0	0.1	32	20.9	20.9	8.0	8.0	34.5	34.5	91.2	91.2	6.7	2.7	4	87	89	821463	814149	<0.2	0.4	0.5						
						1.0	0.1	33	20.9	20.9	8.0	8.0	34.5	34.5	91.2	91.2	6.7	2.7	5	86	90											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-			
					Bottom	3.8	0.0	48	20.8	20.8	8.0	8.0	34.6	34.6	91.2	91.3	6.7	3.1	6	86	91											
						3.8	0.0	51	20.8	20.8	8.0	8.0	34.6	34.6	91.3	91.3	6.7	3.0	7	86	90											
SR3	Sunny	Moderate	10:11	8.4	Surface	1.0	0.2	168	19.3	19.3	8.1	8.1	34.4	34.4	98.7	98.7	7.4	4.1	6	-	-	822132	807551	-	-	-						
						1.0	0.2	178	19.3	19.3	8.1	8.1	34.4	34.4	98.7	98.7	7.4	4.2	7	-	-											
					Middle	4.2	0.2	150	19.2	19.2	8.1	8.1	34.5	34.5	98.1	98.1	7.4	4.4	6	-	-											
						4.2	0.2	153	19.2	19.2	8.1	8.1	34.5	34.5	98.1	98.1	7.4	4.4	5	-	-											
					Bottom	7.4	0.2	144	19.0	19.0	8.1	8.1	34.5	34.5	97.2	97.2	7.3	5.5	5	-	-											
						7.4	0.2	144	19.0	19.0	8.1	8.1	34.5	34.5	97.2	97.2	7.3	5.5	4	-	-											
SR4A	Fine	Rough	08:36	9.9	Surface	1.0	0.0	74	19.0	19.0	8.0	8.0	33.5	33.5	98.2	98.2	7.5	2.3	3	-	-	817173	807808	-	-	-						
						1.0	0.0	75	19.0	19.0	8.0	8.0	33.5	33.5	98.2	98.2	7.5	2.3	4	-	-											
					Middle	5.0	0.1	68	18.8	18.8	8.0	8.0	34.2	34.2	99.4	99.3	7.6	3.8	6	-	-											
						5.0	0.1	69	18.8	18.8	8.0	8.0	34.2	34.2	99.1	99.1	7.5	3.8	6	-	-											
					Bottom	8.9	0.1	81	18.8	18.8	8.0	8.0	34.3	34.3	97.7	97.8	7.4	7.4	8	-	-											
						8.9	0.2	82	18.8	18.8	8.0	8.0	34.3	34.3	97.9	97.8	7.4	7.4	6	-	-											
SR5A	Fine	Rough	08:18	4.1	Surface	1.0	0.0	89	18.8	18.8	8.0	8.0	33.3	33.3	96.6	96.6	7.4	3.2	10	-	-	816608	810686	-	-	-						
						1.0	0.0	90	18.8	18.8	8.0	8.0	33.3	33.3	96.5	96.5	7.4	3.2	9	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-				
					Bottom	3.1	0.0	69	18.8	18.8	8.0	8.0	33.3	33.3	100.6	100.8	7.7	4.0	10	-	-											
						3.1	0.0	71	18.8	18.8	8.0	8.0	33.3	33.3	100.9	100.9	7.7	4.0	9	-	-											
SR6A	Fine	Rough	07:51	4.7	Surface	1.0	0.1	50	18.8	18.8	8.0	8.0	33.3	33.3	97.0	97.1	7.4	2.5	6	-	-	817961	814762	-	-	-						
						1.0	0.1	54	18.8	18.8	8.0	8.0	33.3	33.3	97.2	97.2	7.4	2.5	6	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-				
					Bottom	3.7	0.1	55	19.4	19.4	8.1	8.1	33.7	33.7	93.3	93.3	7.0	3.5	7	-	-											
						3.7	0.1	58	19.4	19.4	8.1	8.1	33.7	33.7	93.2	93.2	7.0	3.5	8	-	-											
SR7	Sunny	Moderate	07:48	14.6	Surface	1.0	0.1	62	21.2	21.2	8.0	8.0	34.5	34.5	91.8	91.9	6.7	3.6	5	-	-	823624	823763	-	-	-						
						1.0	0.1	62	21.2	21.2	8.0	8.0	34.5	34.5	91.9	91.9	6.7	3.5	5	-	-											
					Middle	7.3	0.1	97	21.2	21.2	8.0	8.0	34.5	34.5	92.0	92.0	6.7	3.6	6	-	-											
						7.3	0.1	101	21.2	21.2	8.0	8.0	34.5	34.5	92.0	92.0	6.7	3.7	5	-	-											
					Bottom	13.6	0.1	98	21.1	21.1	8.0	8.0	34.6	34.6	92.6	92.7	6.7	3.9	5	-	-											
						13.6	0.1	106	21.1	21.1	8.0	8.0	34.6	34.6	92.7	92.7	6.7	3.8	5	-	-											
SR8	Sunny	Moderate	09:22	4.2	Surface	1.0	-	-	20.4	20.4	8.0	8.0	34.3	34.3	93.4	93.4	6.9	4.7														

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

Water Quality Monitoring Results on 07 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Sunny	Rough	15:23	7.5	Surface	1.0	0.2	67	18.8	18.8	8.1	8.1	34.2	34.2	104.2	104.2	7.9	7.9	3.9	3.9	8	8	83	83	88	815610	804256	<0.2	0.5	<0.2	0.5				
						1.0	0.2	72	18.8	8.1	8.1	34.2	34.2	104.1	104.1	7.9	7.9	4.1	4.1	9	9	88	88	<0.2				0.6							
						3.8	0.2	82	18.8	8.1	8.1	34.2	34.2	104.0	104.0	7.9	7.9	4.1	4.1	9	9	88	88	<0.2				0.6							
					Middle	6.5	0.2	64	18.8	18.8	8.1	8.1	34.2	34.2	102.9	103.0	7.8	7.8	5.9	5.9	7	7	92	92				<0.2	0.5						
						6.5	0.2	66	18.8	18.8	8.1	8.1	34.2	34.2	103.0	103.0	7.8	7.8	5.9	5.9	8	8	92	92				<0.2	0.6						
						1.0	0.8	65	20.9	20.9	8.0	8.0	34.5	34.5	93.3	93.3	6.8	6.8	3.0	3.0	5	5	89	89				<0.2	0.6						
C2	Sunny	Moderate	14:28	8.5	Surface	1.0	0.8	76	20.9	20.9	8.0	8.0	34.5	34.5	93.3	93.3	6.8	6.8	3.0	3.0	4	4	89	89	93	825666	806928	<0.2	0.6	<0.2	0.6				
						4.3	0.6	71	20.9	20.9	8.0	8.0	34.5	34.5	93.1	93.1	6.8	6.8	3.1	3.1	5	5	92	92				<0.2	0.8						
						4.3	0.6	77	20.9	20.9	8.0	8.0	34.5	34.5	93.1	93.1	6.8	6.8	3.1	3.1	4	4	93	93				<0.2	0.7						
					Middle	7.5	0.3	78	20.3	20.3	8.1	8.1	34.5	34.5	93.7	93.7	6.9	6.9	11.3	11.3	4	4	97	97				<0.2	0.8						
						7.5	0.3	81	20.3	20.3	8.1	8.1	34.5	34.5	93.7	93.7	6.9	6.9	11.4	11.4	5	5	97	97				<0.2	0.7						
						1.0	0.5	278	21.3	21.3	8.0	8.0	34.5	34.5	92.4	92.4	6.7	6.7	1.9	1.9	3	3	89	89				<0.2	0.5						
C3	Sunny	Moderate	16:40	10.8	Surface	1.0	0.5	304	21.3	21.3	8.0	8.0	34.5	34.5	92.4	92.4	6.7	6.7	1.9	1.9	2	2	89	89	93	822106	817784	<0.2	0.5	<0.2	0.5				
						5.4	0.4	302	21.3	21.3	8.0	8.0	34.5	34.5	92.4	92.5	6.7	6.7	2.0	2.0	2	2	93	93				<0.2	0.6						
						5.4	0.4	308	21.3	21.3	8.0	8.0	34.5	34.5	92.5	92.5	6.7	6.7	2.0	2.0	3	3	92	92				<0.2	0.5						
					Middle	9.8	0.2	284	21.1	21.1	8.0	8.0	34.5	34.5	93.2	93.2	6.8	6.8	2.4	2.4	3	3	97	97				<0.2	0.6						
						9.8	0.3	287	21.1	21.1	8.0	8.0	34.5	34.5	93.2	93.2	6.8	6.8	2.5	2.5	2	2	96	96				<0.2	0.6						
						1.0	0.1	71	19.0	19.0	8.1	8.1	34.1	34.1	103.1	103.0	7.8	7.8	3.2	3.2	8	8	83	83				<0.2	0.9						
IM1	Sunny	Rough	15:09	5.5	Surface	1.0	0.1	82	19.0	19.0	8.1	8.1	34.1	34.1	102.9	102.9	7.8	7.8	3.2	3.2	9	9	84	84	86	817954	807142	<0.2	0.9	<0.2	0.9				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						4.5	0.1	36	19.0	19.0	8.1	8.1	34.1	34.1	102.7	102.7	7.8	7.8	3.5	3.5	7	7	88	88				<0.2	0.9						
					Middle	4.5	0.1	34	19.0	19.0	8.1	8.1	34.1	34.1	102.7	102.7	7.8	7.8	3.5	3.5	7	7	88	88				<0.2	0.8						
						1.0	0.0	78	18.9	18.9	8.1	8.1	34.1	34.1	103.3	103.3	7.9	7.9	2.4	2.4	4	4	83	83				<0.2	0.7						
						3.2	0.0	81	18.9	18.9	8.1	8.1	34.1	34.1	103.3	103.3	7.9	7.9	2.4	2.4	5	5	83	83				<0.2	0.7						
IM2	Sunny	Rough	15:01	6.4	Surface	3.2	0.0	74	18.9	18.9	8.1	8.1	34.1	34.1	103.3	103.4	7.8	7.8	2.6	2.6	5	5	87	87	87	818185	806172	<0.2	0.8	<0.2	0.8				
						3.2	0.0	86	18.9	18.9	8.1	8.1	34.1	34.1	103.4	103.4	7.9	7.9	2.6	2.6	6	6	88	88				<0.2	0.8						
						5.4	0.0	82	18.8	18.8	8.1	8.1	34.1	34.1	103.1	102.9	7.8	7.8	3.4	3.4	6	6	91	91				<0.2	0.8						
					Middle	5.4	0.0	83	18.8	18.8	8.1	8.1	34.1	34.1	102.7	102.7	7.8	7.8	3.4	3.4	7	7	92	92				<0.2	0.9						
						1.0	0.3	49	18.8	18.8	8.1	8.1	34.2	34.2	104.1	104.0	7.9	7.9	2.8	2.8	6	6	84	84				<0.2	0.6						
						3.7	0.3	53	18.8	18.8	8.0	8.0	34.2	34.2	104.0	104.0	7.9	7.9	3.1	3.1	7	7	85	85				<0.2	0.6						
IM3	Sunny	Rough	14:55	7.3	Surface	3.7	0.3	52	18.8	18.8	8.0	8.0	34.2	34.2	104.0	104.0	7.9	7.9	3.1	3.1	8	8	88	88	87	818807	805586	<0.2	0.7	<0.2	0.7				
						6.3	0.2	40	18.8	18.8	8.1	8.1	34.2	34.2	103.3	103.3	7.8	7.8	3.2	3.2	7	7	87	87				<0.2	0.7						
						6.3	0.2	42	18.8	18.8	8.1	8.1	34.2	34.2	103.3	103.3	7.8	7.8	3.2	3.2	7	7	88	88				<0.2	0.8						
					Middle	1.0	0.6	66	19.2	19.2	8.0	8.0	34.4	34.4	101.1	101.2	7.6	7.6	4.8	4.8	10	10	84	84				<0.2	0.7						
						1.0	0.6	67	19.2	19.2	8.0	8.0	34.4	34.4	101.2	101.6	7.6	7.6	4.8	4.8	11	11	83	83				<0.2	0.7						
						3.9	0.6	62	19.2	19.2	8.0	8.0	34.4	34.4	101.5	101.6	7.7	7.7	5.3	5.3	10	10	87	87				<0.2	0.7						
IM4	Sunny	Rough	14:47	7.7	Surface	3.9	0.6	58	19.2	19.2	8.0	8.0	34.4	34.4	101.6	101.6	7.7	7.7	5.3	5.3	10	10	86	86	86	819705	804612	<0.2	0.7	<0.2	0.7				
						6.7	0.5	36	19.2	19.2	8.0	8.0	34.4	34.4	101.7	101.7	7.7	7.7	7.2	7.2	10	10	90	90				<0.2	0.7						
						6.7	0.6	38	19.2	19.2	8.0	8.0	34.4	34.4	101.7	101.7	7.7	7.7	7.2	7.2	9	9	88	88				<0.2	0.8						
					Middle	1.0	1.0	44	19.3	19.3	8.0	8.0	34.5	34.5	101.0	101.0	7.6	7.6	4.9	4.9	8	8	84	84				<0.2	0.7						
						1.0	1.1	45	19.3	19.3	8.0	8.0	34.5	34.5	101.0	100.9	7.6	7.6	4.9	4.9	8	8	85	85				<0.2	0.7						
						4.0	0.8	42	19.3	19.3	8.0	8.0	34.5	34.5	100.9	100.9	7.6	7.6	6.4	6.4	10	10	87	87				<0.2	0.7						
IM5	Sunny	Rough	14:42	7.9	Surface	4.0	0.8	44	19.3	19.3	8.0	8.0	34.5	34.5	100.9	100.9	7.6	7.6	6.4	6.4	9	9	86	86	87	820718	804863	<0.2	0.5	<0.2	0.5				
						6.9	0.7	35	19.3	19.3	8.0	8.0	34.4	34.4	103.5	103.5	7.8	7.8	8.8	8.8	10	10	88	88				<0.2	0.6						
						6.9	0.7	35	19.3	19.3	8.0	8.0	34.4	34.4	103.5	103.5	7.8	7.8	8.8	8.8	8	8	89	89				<0.2	0.6						
					Middle	1.0	0.8	23	19.3	19.3	8.0	8.0	34.4	34.4	101.5	101.5	7.6	7.6	1.6	1.6	9	9	84	84				<0.2	1.1						
						1.0	0.8	20	19.3	19.3	8.0	8.0	34.4	34.4	101.5	101.5	7.6	7.6	1.6	1.6	8	8	85	85				<0.2	1.1						
						4.1	0.6	24	19.3	19.3	8.0	8.0	34.4	34.4	102.1	102.2	7.7	7.7	3.5	3.5	9	9	88	88				<0.2	1.2						
IM6	Sunny	Rough	14:34	8.2	Surface	4.1	0.7	24	19.3	19.3	8.0	8.0	34.4	34.4	102.2	102.2	7.7	7.7	3.9	3.9	9	9	88	88	88	821040	805829	<0.2	1.1	<0.2	1.1				
						7.2	0.5	25	19.3	19.3	8.0	8.0	34.4	34.4	101.5	101.5	7.6	7.6	3.9	3.9	6	6	91	91				<0.2	1.1						
						7.2	0.6	27	19.3	19.3	8.0	8.0	34.4	34.4	101.5	101.5	7.6	7.6	3.9	3.9	7	7	91	91				<0.2	1.1						
					Middle	1.0	0.5	306	18.9	18.9	8.1	8.1	34.1	34.1	102.4	102.4	7.8	7.8	1.9	1.9	6	6	83	83				<0.2	1.1						
						1.0	0.6	328	18.9	18.9	8.1	8.1	34.1	34.1</																					

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

Water Quality Monitoring Results on 07 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	14:59	7.3	Surface	1.0	0.3	326	19.0	19.0	8.1	8.1	34.5	34.5	101.1	101.1	7.6	7.6	5.0	6	89	93	822078	808815	<0.2	0.8	0.7							
						1.0	0.3	328	19.0	19.0	8.1	8.1	34.5	34.5	101.1	101.1	7.6	7.6	5.0	5	89	93	<0.2	0.7										
						3.7	0.2	299	19.0	19.0	8.1	8.1	34.5	34.5	100.9	100.9	7.6	7.6	4.4	6	89	93	<0.2	0.8										
					3.7	0.2	282	19.0	19.0	8.1	8.1	34.5	34.5	100.9	100.9	7.6	7.6	4.4	7	93	93	<0.2	0.7											
					6.3	0.2	287	18.9	18.9	8.1	8.1	34.5	34.5	100.0	100.0	7.6	7.6	5.1	7	97	97	<0.2	0.5											
					6.3	0.2	296	18.9	18.9	8.1	8.1	34.5	34.5	100.0	100.0	7.6	7.6	5.1	8	97	97	<0.2	0.5											
IM10	Sunny	Moderate	15:09	7.5	Surface	1.0	0.5	293	20.2	20.2	8.1	8.1	34.5	34.5	97.9	97.9	7.2	7.2	3.2	5	89	93	822407	809778	<0.2	0.8	0.8							
						1.0	0.6	298	20.2	20.2	8.1	8.1	34.5	34.5	97.9	97.9	7.2	7.3	3.2	6	89	93	<0.2	0.8										
						3.8	0.5	296	19.8	19.8	8.1	8.1	34.5	34.5	98.5	98.5	7.3	7.3	3.6	5	93	93	<0.2	0.6										
					3.8	0.5	285	19.8	19.8	8.1	8.1	34.5	34.5	98.5	98.5	7.3	7.3	3.6	5	93	93	<0.2	0.7											
					6.5	0.5	276	19.3	19.3	8.1	8.1	34.5	34.5	98.9	98.9	7.4	7.4	4.7	4	97	97	<0.2	0.8											
					6.5	0.5	283	19.2	19.2	8.1	8.1	34.5	34.5	98.8	98.8	7.4	7.4	4.7	5	97	97	<0.2	0.8											
IM11	Sunny	Moderate	15:20	8.3	Surface	1.0	0.5	285	20.6	20.6	8.0	8.0	34.5	34.5	94.4	94.4	6.9	6.9	3.2	3	89	93	822046	811465	<0.2	0.7	0.7							
						1.0	0.6	287	20.6	20.6	8.0	8.0	34.5	34.5	94.4	94.4	6.9	7.0	3.2	4	89	93	<0.2	0.6										
						4.2	0.4	286	20.5	20.5	8.0	8.0	34.5	34.5	94.7	94.7	7.0	7.0	3.5	3	93	93	<0.2	0.7										
					4.2	0.5	277	20.5	20.5	8.0	8.0	34.3	34.3	94.5	94.5	7.2	7.2	3.5	4	93	93	<0.2	0.5											
					7.3	0.3	256	19.6	19.6	8.0	8.0	34.3	34.3	96.2	96.2	7.2	7.2	5.1	5	97	97	<0.2	0.8											
					7.3	0.4	269	19.6	19.6	8.0	8.0	34.3	34.3	96.2	96.2	7.2	7.2	5.1	4	97	97	<0.2	0.7											
IM12	Sunny	Moderate	15:26	7.8	Surface	1.0	0.4	291	21.0	21.0	8.0	8.0	34.5	34.5	93.0	93.0	6.8	6.8	3.1	5	89	93	821462	812054	<0.2	0.9	0.9							
						1.0	0.5	297	21.0	21.0	8.0	8.0	34.5	34.5	93.0	93.0	6.8	6.8	3.1	4	89	93	<0.2	0.8										
						3.9	0.4	302	21.0	21.0	8.0	8.0	34.5	34.5	92.9	92.9	6.8	6.8	3.2	5	93	93	<0.2	1.0										
					3.9	0.4	288	21.0	21.0	8.0	8.0	34.5	34.5	92.9	92.9	6.8	6.8	3.2	5	93	93	<0.2	0.9											
					6.8	0.3	264	21.0	21.0	8.0	8.0	34.5	34.5	92.8	92.8	6.8	6.8	3.3	5	97	97	<0.2	0.9											
					6.8	0.3	285	21.0	21.0	8.0	8.0	34.5	34.5	92.9	92.9	6.8	6.8	3.4	5	97	97	<0.2	0.8											
SR1A	Sunny	Moderate	15:51	5.6	Surface	1.0	-	-	20.2	20.2	8.0	8.0	34.2	34.2	94.4	94.4	7.0	7.0	5.2	5	-	-	819972	812660	-	-	-							
						1.0	-	-	20.2	20.2	8.0	8.0	34.2	34.2	94.4	94.4	7.0	7.0	5.2	5	-	-	-	-										
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					4.6	-	-	20.2	20.2	8.0	8.0	34.2	34.2	95.0	95.0	7.0	7.0	5.3	5	-	-	-	-											
					4.6	-	-	20.2	20.2	8.0	8.0	34.2	34.2	95.1	95.1	7.0	7.0	5.3	6	-	-	-	-											
SR2	Sunny	Moderate	16:15	5.0	Surface	1.0	0.2	278	20.9	20.9	8.0	8.0	34.6	34.6	92.7	92.7	6.8	6.8	2.8	6	89	91	821440	814148	<0.2	0.6	0.7							
						1.0	0.3	287	20.9	20.9	8.0	8.0	34.6	34.6	92.7	92.7	6.8	6.8	2.8	5	89	91	<0.2	0.6										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-						
					4.0	0.2	264	20.9	20.9	8.0	8.0	34.5	34.5	93.3	93.3	6.8	6.8	3.0	5	92	93	<0.2	0.8											
					4.0	0.2	268	20.9	20.9	8.0	8.0	34.5	34.5	93.3	93.3	6.8	6.8	3.0	4	93	93	<0.2	0.8											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-						
SR3	Sunny	Moderate	14:47	8.8	Surface	1.0	0.4	84	19.6	19.6	8.1	8.1	34.4	34.4	98.7	98.7	7.4	7.4	3.5	4	-	-	822150	807552	-	-	-							
						1.0	0.5	78	19.6	19.6	8.1	8.1	34.4	34.4	98.7	98.7	7.4	7.4	3.4	4	-	-	-	-										
						4.4	0.2	62	19.3	19.3	8.1	8.1	34.4	34.4	98.5	98.5	7.4	7.4	3.8	6	-	-	-	-										
					4.4	0.2	58	19.3	19.3	8.1	8.1	34.4	34.4	98.5	98.5	7.4	7.4	3.8	5	-	-	-	-											
					7.8	0.2	65	19.0	19.0	8.1	8.1	34.5	34.5	97.6	97.6	7.4	7.4	4.7	5	-	-	-	-											
					7.8	0.2	64	19.0	19.0	8.1	8.1	34.5	34.5	97.5	97.5	7.4	7.4	4.7	6	-	-	-	-											
SR4A	Sunny	Rough	15:36	10.2	Surface	1.0	0.7	243	19.2	19.2	8.0	8.0	33.3	33.3	98.4	98.4	7.5	7.5	2.6	5	-	-	817194	807827	-	-	-							
						1.0	0.8	258	19.2	19.2	8.0	8.0	33.3	33.3	98.4	98.4	7.5	7.5	2.6	4	-	-	-	-										
						5.1	0.6	254	19.0	19.0	8.1	8.1	33.8	33.8	96.9	96.9	7.4	7.4	3.2	6	-	-	-	-										
					5.1	0.6	268	19.0	19.0	8.1	8.1	33.8	33.8	96.9	96.9	7.4	7.4	3.2	6	-	-	-	-											
					9.2	0.6	242	19.0	19.0	8.1	8.1	34.3	34.3	97.3	97.3	7.4	7.4	4.2	5	-	-	-	-											
					9.2	0.7	263	19.0	19.0	8.1	8.1	34.3	34.3	97.4	97.4	7.4	7.4	4.2	5	-	-	-	-											
SR5A	Sunny	Rough	15:56	3.7	Surface	1.0	0.4	290	18.9	18.9	8.1	8.1	33.3	33.3	100.4	100.5	7.7	7.7	4.6	7	-	-	816599	810698	-	-	-							
						1.0	0.4	292	18.9	18.9	8.1	8.1	33.3	33.3	100.5	100.5	7.7	7.7	4.6	8	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					2.7	0.3	313	18.8	18.8	8.1	8.1	33.2	33.2	99.5	99.5	7.6	7.6	6.2	7	-	-	-	-											
					2.7	0.3	317	18.8	18.8	8.1	8.1	33.2	33.2	99.4	99.4	7.6	7.6	6.2	7	-	-	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
SR6A	Sunny	Rough	16:31	3.6	Surface	1.0	0.1	101	19.6	19.6	8.1	8.1	33.6	33.6	97.5	97.5	7.3	7.3	4.0	7	-	-	817979	814742	-	-	-							
						1.0	0.1	107	19.6	19.6	8.1	8.1	33.6	33.6	97.5	97.5	7.3	7.3	4.0	7	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					2.6	0.0	117	19.8	19.8	8.1	8.1	34.0	34.0	99.9	99.9	7.5	7.5	3.2	7	-	-	-	-											
					2.6	0.0	117	19.8	19.8	8.1	8.1	34.0	34.0	99.8	99.8	7.5	7.5	3.2	6	-	-	-	-											
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR7	Sunny	Moderate	17:17	14.4	Surface	1.0	0.5	286	21.2	21.2	8.0	8.0	34.5	34.5	91.3	91.3	6.6	6.6	2.6	4	-	-	823619	823759	-	-	-							
						1.0	0.6	288	21.2	21.2	8.0	8.0	34.5	34.5																				

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA			
C1	Fine	Moderate	11:31	8.4	Surface	1.0	0.1	224	19.9	19.9	7.9	7.9	34.9	34.9	99.5	99.5	7.4	7.4	4.4	10	86	88	88	88	88	88	815628	804246	<0.2	0.8	0.8	0.8					
						1.0	0.1	227	19.9	7.9	7.9	34.9	34.9	99.5	99.5	7.4	7.4	4.4	11	85	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
						4.2	0.1	235	19.7	7.9	7.9	34.9	34.9	97.7	97.7	7.3	7.3	6.8	12	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
					Middle	4.2	0.1	235	19.7	7.9	7.9	34.9	34.9	97.7	97.7	7.3	7.3	6.8	12	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
						7.4	0.1	231	19.6	7.9	7.9	34.9	34.9	98.5	98.5	7.3	7.3	6.6	14	91	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						7.4	0.1	244	19.6	7.9	7.9	34.9	34.9	98.5	98.5	7.3	7.3	6.6	14	90	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
C2	Fine	Moderate	12:42	9.2	Surface	1.0	0.5	147	20.0	20.0	8.0	8.0	34.3	34.3	97.5	97.5	7.2	7.2	3.1	10	84	84	88	88	88	88	825661	806949	<0.2	0.6	0.7	0.7					
						1.0	0.5	150	20.0	8.0	8.0	34.3	34.3	97.5	97.5	7.2	7.2	3.1	11	84	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
						4.6	0.4	146	19.8	8.0	8.0	34.4	34.4	96.3	96.3	7.2	7.2	6.2	8	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					Middle	4.6	0.4	157	19.8	8.0	8.0	34.4	34.4	96.3	96.3	7.2	7.2	6.2	7	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						8.2	0.3	144	19.8	8.0	8.0	34.5	34.5	96.7	96.7	7.2	7.2	9.1	7	91	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						8.2	0.3	149	19.8	8.0	8.0	34.5	34.5	96.7	96.7	7.2	7.2	9.2	7	91	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
C3	Fine	Moderate	10:26	13.1	Surface	1.0	0.2	118	20.7	20.7	8.0	8.0	34.5	34.5	89.6	89.6	6.6	6.6	2.9	9	83	83	87	87	88	88	822125	817783	<0.2	0.7	0.8	0.7					
						1.0	0.2	129	20.7	8.0	8.0	34.5	34.5	89.6	89.6	6.6	6.6	3.0	9	83	87	87	87	88	88	88	88	88	88	88	88	88	88	88	88		
						6.6	0.2	111	20.6	8.0	8.0	34.5	34.5	89.3	89.3	6.6	6.6	3.4	9	87	87	87	87	88	88	88	88	88	88	88	88	88	88	88	88	88	
					Middle	6.6	0.2	115	20.6	8.0	8.0	34.5	34.5	89.3	89.3	6.6	6.6	3.4	8	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						12.1	0.2	91	20.5	8.0	8.0	34.5	34.5	89.8	89.8	6.6	6.6	4.7	8	91	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						12.1	0.2	93	20.5	8.0	8.0	34.5	34.5	89.9	89.9	6.6	6.6	4.8	7	92	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
IM1	Fine	Moderate	11:52	5.4	Surface	1.0	0.1	247	19.2	19.2	8.0	8.0	34.8	34.8	102.5	102.5	7.7	7.7	5.7	11	85	86	86	86	86	86	817937	807144	<0.2	0.8	0.9	0.8					
						1.0	0.1	270	19.2	8.0	8.0	34.8	34.8	102.5	102.5	7.7	7.7	5.7	10	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.4	0.1	241	19.1	19.1	8.0	8.0	34.8	34.8	101.3	101.3	7.6	7.6	29.8	8	90	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	
						4.4	0.1	262	19.1	19.1	8.0	8.0	34.8	34.8	101.3	101.3	7.6	7.6	29.8	8	90	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Fine	Moderate	11:59	6.5	Surface	1.0	0.2	180	19.7	19.7	8.0	8.0	34.9	34.9	100.8	100.8	7.5	7.5	3.0	10	86	86	88	88	88	88	818185	806160	<0.2	1.1	1.1	1.1					
						1.0	0.2	192	19.7	8.0	8.0	34.9	34.9	100.8	100.8	7.5	7.5	3.0	9	86	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
						3.3	0.1	161	19.4	19.4	8.0	8.0	34.9	34.9	99.2	99.2	7.4	7.4	4.3	9	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					Middle	3.3	0.1	163	19.4	19.4	8.0	8.0	34.9	34.9	99.2	99.2	7.4	7.4	4.3	10	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						5.5	0.1	196	19.3	19.3	8.0	8.0	34.9	34.9	99.4	99.4	7.5	7.5	4.9	12	90	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						5.5	0.1	209	19.3	19.3	8.0	8.0	34.9	34.9	99.4	99.4	7.5	7.5	4.9	11	90	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
IM3	Fine	Moderate	12:05	6.8	Surface	1.0	0.1	116	19.6	19.6	8.0	8.0	34.9	34.9	100.6	100.6	7.5	7.5	3.7	8	85	86	88	88	88	88	818786	805577	<0.2	1.0	1.0	1.0					
						1.0	0.1	117	19.6	19.6	8.0	8.0	34.9	34.9	100.6	100.6	7.5	7.5	3.7	9	86	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
						3.4	0.1	127	19.3	19.3	8.0	8.0	34.9	34.9	98.4	98.4	7.4	7.4	5.2	11	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					Middle	3.4	0.1	138	19.3	19.3	8.0	8.0	34.9	34.9	98.4	98.4	7.4	7.4	5.2	11	87	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						5.8	0.1	111	19.3	19.3	8.0	8.0	34.9	34.9	98.8	98.8	7.4	7.4	5.9	12	90	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
						5.8	0.1	119	19.3	19.3	8.0	8.0	34.9	34.9	99.1	99.1	7.4	7.4	5.9	12	91	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
IM4	Fine	Moderate	12:16	7.5	Surface	1.0	0.3	174	19.7	19.7	8.0	8.0	34.8	34.8	99.5	99.5	7.4	7.4	6.1	9	86	87	88	88	88	88	819743	804607	<0.2	0.9	1.0	0.9					
						1.0	0.3	177	19.7	19.7	8.0	8.0	34.8	34.8	99.5	99.5	7.4	7.4	6.1	10	87	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
						3.8	0.3	180	19.5	19.5	8.0	8.0	34.9	34.9	98.3	98.3	7.3	7.3	8.5	12	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
					Middle	3.8	0.3	190	19.5	19.5	8.0	8.0	34.9	34.9	98.3	98.3	7.3	7.3	8.5	12	89	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
						6.5	0.3	175	19.5	19.5	8.0	8.0	34.9	34.9	98.4	98.4	7.4	7.4	9.8	13	90	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
						6.5	0.3	182	19.5	19.5	8.0	8.0																									

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

Water Quality Monitoring Results on 10 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	12:08	7.1	Surface	1.0	0.3	103	20.4	20.4	8.0	8.0	34.5	34.5	99.8	99.8	7.4	7.4	2.8	7	85	89	822097	808807	<0.2	0.8	0.7	0.7				
						1.0	0.3	112	20.4	20.4	8.0	8.0	34.5	34.5	99.8	99.8	7.4	7.4	2.8	7	86	89			<0.2	0.9						
						3.6	0.3	81	19.6	19.6	8.0	8.0	34.6	34.6	97.9	97.9	7.3	7.3	5.2	6	88	89			<0.2	0.6						
					Middle	3.6	0.3	86	19.6	19.6	8.0	8.0	34.6	34.6	97.9	97.9	7.3	7.3	5.1	6	89	89					<0.2	0.7				
						6.1	0.3	76	19.4	19.4	8.0	8.0	34.6	34.6	97.3	97.3	7.3	7.3	7.1	4	91	91					<0.2	0.6				
						6.1	0.3	78	19.4	19.4	8.0	8.0	34.6	34.6	97.3	97.3	7.3	7.3	7.0	5	92	92					<0.2	0.6				
IM10	Fine	Moderate	12:01	7.4	Surface	1.0	0.5	116	20.0	20.0	8.0	8.0	34.5	34.5	99.0	99.0	7.3	7.3	3.4	8	83	88	822401	809772	<0.2	0.6	0.6	0.6				
						1.0	0.5	122	20.0	20.0	8.0	8.0	34.5	34.5	99.0	99.0	7.3	7.3	3.3	10	84	89			<0.2	0.6						
						3.7	0.5	114	19.7	19.7	8.0	8.0	34.6	34.6	98.2	98.2	7.3	7.3	5.2	8	89	90			<0.2	0.6						
					Middle	3.7	0.5	125	19.7	19.7	8.0	8.0	34.6	34.6	98.2	98.2	7.3	7.3	5.3	8	90	91					<0.2	0.7				
						6.4	0.3	104	19.4	19.4	8.0	8.0	34.6	34.6	97.2	97.2	7.3	7.3	13.5	9	91	91					<0.2	0.6				
						6.4	0.3	109	19.4	19.4	8.0	8.0	34.6	34.6	97.2	97.2	7.3	7.3	13.6	9	91	91					<0.2	0.6				
IM11	Fine	Moderate	11:47	8.2	Surface	1.0	0.5	136	19.5	19.5	8.0	8.0	34.6	34.6	98.1	98.2	7.3	7.3	8.5	15	83	88	822057	811457	<0.2	0.6	0.7	0.7				
						1.0	0.5	147	19.5	19.5	8.0	8.0	34.6	34.6	98.2	98.2	7.3	7.3	8.5	14	84	89			<0.2	0.6						
						4.1	0.4	140	19.5	19.5	8.0	8.0	34.6	34.6	97.8	97.9	7.3	7.3	11.1	14	89	89			<0.2	0.7						
					Middle	4.1	0.5	140	19.5	19.5	8.0	8.0	34.6	34.6	97.9	97.9	7.3	7.3	11.2	14	89	92					<0.2	0.7				
						7.2	0.2	147	19.5	19.5	8.0	8.0	34.6	34.6	98.6	98.6	7.4	7.4	13.2	12	92	92					<0.2	0.7				
						7.2	0.2	147	19.5	19.5	8.0	8.0	34.6	34.6	98.7	98.7	7.4	7.4	13.3	14	92	92					<0.2	0.5				
IM12	Fine	Moderate	11:41	9.0	Surface	1.0	0.3	101	20.1	20.1	8.0	8.0	34.6	34.6	96.0	96.0	7.1	7.1	5.1	10	83	88	821473	812053	<0.2	0.8	0.8	0.8				
						1.0	0.3	104	20.1	20.1	8.0	8.0	34.6	34.6	95.9	95.9	7.1	7.1	5.1	10	84	88			<0.2	0.8						
						4.5	0.3	112	20.0	20.0	8.0	8.0	34.6	34.6	95.1	95.1	7.1	7.1	5.4	10	88	88			<0.2	0.7						
					Middle	4.5	0.4	115	20.0	20.0	8.0	8.0	34.6	34.6	95.0	95.0	7.1	7.1	5.4	9	88	91					<0.2	0.7				
						8.0	0.2	109	19.9	19.9	8.0	8.0	34.6	34.6	94.6	94.6	7.0	7.0	6.2	8	91	91					<0.2	0.7				
						8.0	0.2	114	19.9	19.9	8.0	8.0	34.6	34.6	94.7	94.7	7.0	7.0	6.2	7	91	91					<0.2	0.8				
SR1A	Fine	Moderate	11:11	4.1	Surface	1.0	-	-	19.8	19.8	8.0	8.0	34.4	34.4	95.5	95.5	7.1	7.1	4.3	9	-	-	819972	812663	-	-	-	-				
						1.0	-	-	19.8	19.8	8.0	8.0	34.4	34.4	95.5	95.5	7.1	7.1	4.2	9	-	-										
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						3.1	-	-	19.9	19.9	8.0	8.0	34.5	34.5	96.0	96.1	7.2	7.2	5.6	8	-	-										
						3.1	-	-	19.9	19.9	8.0	8.0	34.5	34.5	96.1	96.1	7.2	7.2	5.7	6	-	-										
SR2	Fine	Moderate	10:49	5.6	Surface	1.0	0.1	54	19.9	19.9	8.0	8.0	34.5	34.5	95.1	95.1	7.1	7.1	4.7	13	84	86	821475	814182	<0.2	0.8	0.8	0.8				
						1.0	0.1	59	19.9	19.9	8.0	8.0	34.5	34.5	95.1	95.1	7.1	7.1	4.7	13	84	88			<0.2	0.7						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						4.6	0.1	89	19.9	19.9	8.0	8.0	34.5	34.5	94.7	94.8	7.0	7.1	5.5	10	88	88					<0.2	0.9				
						4.6	0.1	92	19.9	19.9	8.0	8.0	34.5	34.5	94.8	94.8	7.0	7.1	5.5	10	88	88					<0.2	0.8				
SR3	Fine	Moderate	12:19	8.6	Surface	1.0	0.1	153	19.8	19.8	8.0	8.0	34.5	34.5	97.1	97.1	7.2	7.2	4.1	8	-	-	822130	807571	-	-	-	-				
						1.0	0.1	168	19.8	19.8	8.0	8.0	34.5	34.5	97.1	97.1	7.2	7.2	4.2	8	-	-										
						4.3	0.1	158	19.5	19.5	8.0	8.0	34.6	34.6	96.4	96.4	7.2	7.2	5.7	6	-	-										
					Middle	4.3	0.1	162	19.5	19.5	8.0	8.0	34.6	34.6	96.4	96.4	7.2	7.2	5.7	7	-	-										
						7.6	0.0	143	19.4	19.4	8.0	8.0	34.6	34.6	96.2	96.2	7.2	7.2	6.9	5	-	-										
						7.6	0.0	152	19.4	19.4	8.0	8.0	34.6	34.6	96.2	96.2	7.2	7.2	7.0	6	-	-										
SR4A	Fine	Moderate	11:10	8.7	Surface	1.0	0.3	75	19.4	19.4	7.9	7.9	34.9	34.9	99.7	99.7	7.5	7.5	4.3	10	-	-	817191	807811	-	-	-	-				
						1.0	0.3	75	19.4	19.4	7.9	7.9	34.9	34.9	99.7	99.7	7.5	7.5	4.3	10	-	-										
						4.4	0.3	84	19.2	19.2	7.9	7.9	34.9	34.9	99.0	99.0	7.4	7.4	5.4	10	-	-										
					Middle	4.4	0.3	91	19.2	19.2	7.9	7.9	34.9	34.9	99.0	99.0	7.4	7.4	5.4	10	-	-										
						7.7	0.2	65	19.2	19.2	7.9	7.9	34.9	34.9	99.0	99.0	7.4	7.4	5.5	12	-	-										
						7.7	0.2	68	19.2	19.2	7.9	7.9	34.9	34.9	99.0	99.0	7.4	7.4	5.5	12	-	-										
SR5A	Fine	Moderate	10:50	4.2	Surface	1.0	0.1	359	19.2	19.2	7.9	7.9	34.6	34.6	99.2	99.2	7.5	7.5	3.0	5	-	-	816579	810710	-	-	-	-				
						1.0	0.1	330	19.2	19.2	7.9	7.9	34.6	34.6	99.2	99.2	7.5	7.5	3.0	6	-	-										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						3.2	0.1	2	19.1	19.1	7.9	7.9	34.6	34.6	99.7	99.7	7.5	7.5	4.2	7	-	-										
						3.2	0.1	2	19.1	19.1	7.9	7.9	34.6	34.6	99.7	99.7	7.5	7.5	4.2	6	-	-										
SR6A	Fine	Moderate	10:22	4.3	Surface	1.0	0.0	137	19.9	19.9	8.1	8.1	34.1	34.1	96.1	96.1	7.2	7.2	3.1	8	-											

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

Water Quality Monitoring Results on 20 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	16:36	8.3	Surface	1.0	0.1	43	19.9	19.9	8.0	8.0	34.9	34.9	99.4	99.4	7.4	7.4	4.5	10	85	85	88	88	815632	804262	<0.2	0.7	<0.2	0.7				
						1.0	0.1	45	19.9	19.9	8.0	8.0	34.9	34.9	99.4	99.4	7.4	7.4	4.5	9	86	86	88	88	815632	804262	<0.2	0.7	<0.2	0.7				
					Middle	4.2	0.1	48	19.6	19.6	8.0	8.0	34.9	34.9	97.7	97.7	7.3	7.3	5.5	6.0	8	9	88	88	88	88	815632	804262	<0.2	0.7	<0.2	0.7		
						4.2	0.1	44	19.6	19.6	8.0	8.0	34.9	34.9	97.7	97.7	7.3	7.3	5.5	6.0	8	9	88	88	88	88	815632	804262	<0.2	0.7	<0.2	0.7		
						7.3	0.1	18	19.5	19.5	8.0	8.0	34.9	34.9	98.0	98.0	7.3	7.3	7.9	8	8	8	8	88	88	88	88	815632	804262	<0.2	0.7	<0.2	0.7	
						7.3	0.1	19	19.5	19.5	8.0	8.0	34.9	34.9	98.0	98.0	7.3	7.3	7.9	8	8	8	8	88	88	88	88	815632	804262	<0.2	0.7	<0.2	0.7	
C2	Sunny	Calm	15:35	8.6	Surface	1.0	0.2	16	20.0	20.0	8.0	8.0	34.4	34.4	97.1	97.1	7.2	7.2	3.2	6	84	84	88	88	825678	806958	<0.2	0.8	<0.2	0.8				
						1.0	0.2	17	20.0	20.0	8.0	8.0	34.4	34.4	97.1	97.1	7.2	7.2	3.3	8	84	84	88	88	825678	806958	<0.2	0.8	<0.2	0.8				
					Middle	4.3	0.2	15	19.8	19.8	8.0	8.0	34.4	34.4	95.5	95.6	7.1	7.1	4.6	5.4	8	8	88	88	88	88	825678	806958	<0.2	0.8	<0.2	0.8		
						4.3	0.2	15	19.8	19.8	8.0	8.0	34.4	34.4	95.6	95.6	7.1	7.1	4.7	5.4	8	8	88	88	88	88	825678	806958	<0.2	0.8	<0.2	0.8		
						7.6	0.4	17	19.8	19.8	8.0	8.0	34.5	34.5	96.0	96.1	7.2	7.2	8.3	9	9	9	9	88	88	88	88	825678	806958	<0.2	0.8	<0.2	0.8	
						7.6	0.4	15	19.8	19.8	8.0	8.0	34.5	34.5	96.1	96.1	7.2	7.2	8.2	10	9	9	9	88	88	88	88	825678	806958	<0.2	0.8	<0.2	0.8	
C3	Sunny	Calm	18:42	11.8	Surface	1.0	0.1	222	20.7	20.7	8.0	8.0	34.6	34.6	95.8	95.6	7.0	7.0	3.4	6	83	83	88	88	822129	817820	<0.2	0.8	<0.2	0.8				
						1.0	0.1	243	20.6	20.6	8.0	8.0	34.6	34.6	95.3	95.3	7.0	7.0	3.4	6	84	84	88	88	822129	817820	<0.2	0.8	<0.2	0.8				
					Middle	5.9	0.1	245	20.3	20.3	8.0	8.0	34.5	34.5	93.5	93.5	6.9	6.9	5.2	4.6	6	6	88	88	88	88	822129	817820	<0.2	0.8	<0.2	0.8		
						5.9	0.1	267	20.3	20.3	8.0	8.0	34.5	34.5	93.5	93.5	6.9	6.9	5.3	4.6	6	6	88	88	88	88	822129	817820	<0.2	0.8	<0.2	0.8		
						10.8	0.2	251	20.3	20.3	8.0	8.0	34.5	34.5	93.8	93.9	6.9	6.9	5.1	4	4	4	91	91	91	91	822129	817820	<0.2	0.8	<0.2	0.8		
						10.8	0.2	267	20.3	20.3	8.0	8.0	34.5	34.5	93.9	93.9	6.9	6.9	5.1	4	4	4	92	92	91	91	822129	817820	<0.2	0.8	<0.2	0.8		
IM1	Fine	Moderate	16:19	5.2	Surface	1.0	0.1	18	19.4	19.4	8.0	8.0	34.8	34.8	102.9	102.9	7.7	7.7	3.2	6	86	86	88	88	817959	807124	<0.2	0.8	<0.2	0.7				
						1.0	0.1	18	19.4	19.4	8.0	8.0	34.8	34.8	102.9	102.9	7.7	7.7	3.3	7	86	86	88	88	817959	807124	<0.2	0.7	<0.2	0.7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.2	0.1	19	19.2	19.2	8.0	8.0	34.8	34.8	101.8	101.8	7.7	7.7	4.8	4.1	6	6	90	90	88	88	817959	807124	<0.2	0.8	<0.2	0.8		
						4.2	0.1	21	19.2	19.2	8.0	8.0	34.8	34.8	101.8	101.8	7.7	7.7	4.8	4.1	7	7	90	90	88	88	817959	807124	<0.2	0.8	<0.2	0.8		
						1.0	0.2	35	19.6	19.6	8.0	8.0	34.9	34.9	101.2	101.2	7.5	7.5	3.3	6.6	6	6	86	86	88	88	818162	806145	<0.2	0.9	<0.2	0.9		
Bottom	3.5	0.1	34	19.3	19.3	8.0	8.0	34.9	34.9	99.8	99.9	7.5	7.5	5.6	6.6	6	6	89	89	88	88	818162	806145	<0.2	0.9	<0.2	0.9							
	3.5	0.1	35	19.3	19.3	8.0	8.0	34.9	34.9	100.0	100.0	7.5	7.5	5.7	6.6	6	6	88	88	88	88	818162	806145	<0.2	0.9	<0.2	0.9							
	5.9	0.1	28	19.3	19.3	8.0	8.0	34.9	34.9	99.2	99.2	7.4	7.4	10.7	7	7	7	90	90	88	88	818162	806145	<0.2	0.9	<0.2	0.9							
	5.9	0.1	30	19.3	19.3	8.0	8.0	34.9	34.9	99.2	99.2	7.4	7.4	10.7	6	6	6	91	91	88	88	818162	806145	<0.2	0.9	<0.2	0.9							
IM3	Fine	Moderate	16:08	7.1	Surface	1.0	0.2	34	19.5	19.5	8.0	8.0	34.9	34.9	99.3	99.3	7.4	7.4	5.1	8	86	86	88	88	818779	805586	<0.2	0.9	<0.2	0.9				
						1.0	0.2	31	19.5	19.5	8.0	8.0	34.9	34.9	99.3	99.3	7.4	7.4	5.1	8	86	86	88	88	818779	805586	<0.2	0.9	<0.2	0.9				
					Middle	3.6	0.1	31	19.4	19.4	8.0	8.0	34.9	34.9	98.8	98.8	7.4	7.4	5.2	5.1	9	9	88	88	88	88	818779	805586	<0.2	0.9	<0.2	0.9		
						3.6	0.1	32	19.4	19.4	8.0	8.0	34.9	34.9	98.8	98.8	7.4	7.4	5.2	5.1	9	9	88	88	88	88	818779	805586	<0.2	0.9	<0.2	0.9		
						6.1	0.0	24	19.4	19.4	8.0	8.0	34.9	34.9	98.7	98.7	7.4	7.4	5.1	11	11	11	91	91	88	88	818779	805586	<0.2	0.9	<0.2	0.9		
						6.1	0.0	26	19.4	19.4	8.0	8.0	34.9	34.9	98.7	98.7	7.4	7.4	5.1	12	12	12	91	91	88	88	818779	805586	<0.2	0.9	<0.2	0.9		
IM4	Fine	Moderate	16:00	6.8	Surface	1.0	0.0	19	19.7	19.7	8.0	8.0	34.8	34.8	99.8	99.8	7.4	7.4	5.3	8	86	86	88	88	819742	804588	<0.2	1.0	<0.2	1.0				
						1.0	0.0	20	19.7	19.7	8.0	8.0	34.8	34.8	99.8	99.8	7.4	7.4	5.3	8	86	86	88	88	819742	804588	<0.2	1.0	<0.2	1.0				
					Middle	3.4	0.1	21	19.6	19.6	8.0	8.0	34.8	34.8	99.4	99.4	7.4	7.4	6.1	6.1	8	8	88	88	88	88	819742	804588	<0.2	1.0	<0.2	1.0		
						3.4	0.1	21	19.6	19.6	8.0	8.0	34.8	34.8	99.4	99.4	7.4	7.4	6.1	6.1	8	8	88	88	88	88	819742	804588	<0.2	1.0	<0.2	1.0		
						5.8	0.1	332	19.5	19.5	8.0	8.0	34.9	34.9	99.3	99.3	7.4	7.4	6.9	9	9	9	90	90	88	88	819742	804588	<0.2	0.9	<0.2	0.9		
						5.8	0.1	359	19.5	19.5	8.0	8.0	34.9	34.9	99.3	99.3	7.4	7.4	6.9	9	9	9	90	90	88	88	819742	804588	<0.2	0.9	<0.2	0.9		
IM5	Fine	Moderate	15:54	7.2	Surface	1.0	0.2	25	19.7	19.7	8.0	8.0	34.9	34.9	99.3	99.3	7.4	7.4	5.3	8	86	86	88	88	820753	804853	<0.2	1.1	<0.2	1.1				
						1.0	0.2	26	19.7	19.7	8.0	8.0	34.9	34.9	99.3	99.3	7.4	7.4	5.3	8	85	85	88	88	820753	804853	<0.2	1.1	<0.2	1.1				
					Middle	3.6	0.2	26	19.6	19.6	8.0	8.0	34.9	34.9	98.7	98.7	7.4	7.4	6.4	6.5	8	9	88	88	88	88	820753	804853	<0.2	1.1	<0.2	1.1		
						3.6	0.2	29	19.6	19.6	8.0	8.0	34.9	34.9	98.7	98.7	7.4	7.4	6.4	6.5	8	9	89	89	88	88	820753	804853	<0.2	1.0	<0.2	1.0		
						6.2	0.1	29	19.5																									

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

Water Quality Monitoring Results on 10 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Sunny	Calm	16:14	7.9	Surface	1.0	0.3	286	20.0	20.0	8.0	8.0	34.5	34.5	98.1	98.1	7.3	3.7	12	85	89	822096	808829	<0.2	0.8	<0.2	0.8					
						1.0	0.3	288	20.0	8.0	8.0	34.5	34.5	98.1	7.3	3.6	10	85														
						4.0	0.4	283	19.7	8.0	8.0	34.6	34.6	97.3	7.3	5.0	10	90														
					Middle	4.0	0.4	283	19.7	8.0	8.0	34.6	34.6	97.3	7.3	4.9	10	90														
						6.9	0.2	297	19.4	19.4	8.0	8.0	34.6	34.6	96.1	7.2	8.0	9	91													
						6.9	0.3	285	19.4	8.0	8.0	34.6	34.6	96.1	7.2	8.1	9	91														
IM10	Sunny	Calm	16:25	8.2	Surface	1.0	0.5	289	19.8	19.8	8.0	8.0	34.6	34.6	98.3	7.3	6.5	5	84	88	822400	809793	<0.2	1.1	<0.2	0.9						
						1.0	0.5	291	19.8	8.0	8.0	34.6	34.6	98.2	7.3	6.6	6	84														
						4.1	0.3	279	19.6	19.6	8.0	8.0	34.6	34.6	96.9	7.2	7.3	8	88													
					Middle	4.1	0.4	283	19.6	8.0	8.0	34.6	34.6	96.9	7.2	7.2	8	89														
						7.2	0.3	277	19.6	19.6	8.0	8.0	34.6	34.6	97.5	7.3	7.6	11	91													
						7.2	0.3	279	19.6	8.0	8.0	34.6	34.6	97.6	7.3	7.6	10	91														
IM11	Sunny	Calm	16:35	7.4	Surface	1.0	0.1	270	19.7	19.7	8.0	8.0	34.6	34.6	98.3	7.3	6.7	7	83	88	822073	811436	<0.2	0.8	<0.2	0.8						
						1.0	0.1	284	19.7	8.0	8.0	34.6	34.6	98.3	7.3	6.7	7	84														
						3.7	0.1	252	19.7	8.0	8.0	34.6	34.6	97.0	7.2	7.3	6	88														
					Middle	3.7	0.1	266	19.6	8.0	8.0	34.6	34.6	96.9	7.2	7.3	7	89														
						6.4	0.2	285	19.6	8.0	8.0	34.6	34.6	96.8	7.2	7.4	5	89														
						6.4	0.2	295	19.6	8.0	8.0	34.6	34.6	96.9	7.2	7.4	5	92														
IM12	Sunny	Calm	16:48	7.3	Surface	1.0	0.1	241	19.9	19.9	8.0	8.0	34.6	34.6	95.0	7.1	6.2	8	84	88	821446	812054	<0.2	0.7	<0.2	0.8						
						1.0	0.1	259	19.8	8.0	8.0	34.6	34.6	98.7	7.4	6.2	8	85														
						3.7	0.1	248	19.7	8.0	8.0	34.6	34.6	98.5	7.3	6.5	8	88														
					Middle	3.7	0.1	267	19.7	8.0	8.0	34.6	34.6	98.5	7.3	6.5	7	88														
						6.3	0.2	250	19.7	8.0	8.0	34.6	34.6	98.9	7.4	7.6	7	91														
						6.3	0.2	225	19.7	8.0	8.0	34.6	34.6	99.1	7.4	7.6	7	92														
SR1A	Sunny	Calm	17:16	5.0	Surface	1.0	-	-	20.0	20.0	8.0	8.0	34.6	34.6	95.9	7.1	4.9	7	-	-	819976	812654	-	-	-	-						
						1.0	-	-	20.0	8.0	8.0	34.6	34.6	95.8	7.1	4.9	7	-														
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-													
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-														
						4.0	-	-	20.0	8.0	8.0	34.6	34.6	95.5	7.1	11.9	8	-														
						4.0	-	-	20.0	8.0	8.0	34.6	34.6	95.5	7.1	11.9	7	-														
SR2	Sunny	Calm	18:31	4.5	Surface	1.0	0.2	228	20.0	20.0	8.0	8.0	34.6	34.6	95.8	7.1	5.9	6	83	86	821481	814170	<0.2	0.8	<0.2	0.8						
						1.0	0.2	233	20.0	8.0	8.0	34.6	34.6	95.8	7.1	5.9	7	84														
						-	-	-	-	-	-	-	-	-	-	-	-	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-														
						3.5	0.1	215	20.0	20.0	8.0	8.0	34.6	34.6	95.6	7.1	6.9	7	88													
						3.5	0.1	226	20.0	8.0	8.0	34.6	34.6	95.6	7.1	7.0	7	88														
SR3	Sunny	Calm	15:57	7.5	Surface	1.0	0.4	26	20.0	20.0	8.0	8.0	34.3	34.3	97.1	7.2	3.2	6	-	-	822167	807589	-	-	-	-						
						1.0	0.4	23	20.0	8.0	8.0	34.3	34.3	97.0	7.2	3.2	6	-														
						3.8	0.3	19	19.8	8.0	8.0	34.4	34.4	95.6	7.1	4.4	5	-														
					Middle	3.8	0.4	18	19.8	8.0	8.0	34.4	34.4	95.6	7.1	4.4	6	-														
						6.5	0.3	10	19.8	8.0	8.0	34.5	34.5	96.0	7.2	8.9	6	-														
						6.5	0.3	11	19.8	8.0	8.0	34.5	34.5	96.0	7.2	8.9	6	-														
SR4A	Fine	Moderate	16:57	8.6	Surface	1.0	0.1	233	19.7	19.7	8.0	8.0	34.8	34.8	103.1	103.1	7.7	2.6	7	-	-	817175	807791	-	-	-	-					
						1.0	0.1	234	19.7	8.0	8.0	34.8	34.8	103.1	7.7	2.6	7	-														
						4.3	0.2	285	19.2	19.2	8.0	8.0	34.9	34.9	99.0	7.4	4.3	6	-													
					Middle	4.3	0.2	282	19.2	8.0	8.0	34.9	34.9	99.0	7.4	4.3	5	-														
						7.6	0.3	279	19.2	19.2	8.0	8.0	34.9	34.9	99.3	7.5	4.9	4	-													
						7.6	0.3	286	19.2	8.0	8.0	34.9	34.9	99.3	7.5	4.9	5	-														
SR5A	Fine	Moderate	17:14	4.3	Surface	1.0	0.2	289	19.5	19.5	8.0	8.0	34.6	34.6	102.8	102.8	7.7	3.6	8	-	-	816588	810708	-	-	-	-					
						1.0	0.2	291	19.5	8.0	8.0	34.6	34.6	102.8	7.7	3.6	8	-														
						-	-	-	-	-	-	-	-	-	-	-	-	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-														
						3.3	0.1	280	19.1	19.1	8.0	8.0	34.7	34.7	101.0	101.1	7.6	3.9	6	-												
						3.3	0.1	282	19.1	8.0	8.0	34.7	34.7	101.1	7.6	3.9	7	-														
SR6A	Fine	Moderate	17:40	4.1	Surface	1.0	0.1	255	20.3	20.3	7.9	7.9	34.5	34.5	97.4	97.4	7.2	4.4	7	-	-	817943	814747	-	-	-	-					
						1.0	0.1	268	20.3	7.9	7.9	34.5	34.5	97.4	7.2	4.4	8	-														
						-	-	-	-	-	-	-	-	-	-	-	-	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-														
						3.1	0.1	282	20.2	20.2	7.9	7.9	34.6	34.6	98.9	98.9	7.3	5.0	6	-												
						3.1	0.1	287	20.2	7.9	7.9	34.6	34.6	98.9	7.3	5.0	6	-														
SR7	Sunny	Calm	19:01	14.9	Surface	1.0	0.1	290	20.8	20.8	8.0	8.0	34.5	34.5	91.4	91.4	6.7	2.0	4	-	-	823624	823740	-	-	-	-					
						1.0	0.1	313	20.8	8.0	8.0	34.5	34.5	91.4	6.7	2.0	4	-														
						7.5	0.1	245	20.7	20.7	8.0	8.0	34.5	34.5	89.5	89.5	6.6	3.2	3	-												
					Middle	7.5	0.1	248	20.7	8.0	8.0	34.5	34.5	89.5	89.5	6.6	3.2	4	-													
						13.9	0.1	286	20.6	20.6	8.0	8.0	34.5	34.5	90.3	90.4	6.6	3.2	2	-												
						13.9	0.1	294	20.6	8.0	8.0	34.5	34.5	90.5	6.6	3.3	2	-														
SR8	Sunny	Calm	17:04	3.9	Surface	1.0	-	-	20.0	19.9	8.0	8.0	34.6	34.6	95.9	97.7	7.1	4.6	7	-	-	820375	811609	-	-	-	-					
						1.0	-	-	19.8	8.0	8.0	34.6	34.6	95.5	7.4	4.6	7	-														
						-	-	-	-	-	-	-	-	-	-	-	-	-														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-														
						2.9	-	-	19.8	8.0	8.0	34.6	34.6	99.5	7.4	6.1	7	-														
						2.9	-	-	19.8	8.0	8.0	34.6	34.6	98.7	7.4	6.1	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 12 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	12:39	8.1	Surface	1.0	0.1	215	19.9	19.8	8.0	8.0	34.0	34.0	99.6	99.4	7.4	4.6	13	88	89	89	89	89	89	815600	804253	<0.2	0.8	<0.2	0.8					
						1.0	0.1	227	19.8	8.0	8.0	34.0	34.0	99.2	99.2	7.4	4.9	15	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89			
					Middle	4.1	0.1	213	19.7	19.7	8.0	8.0	34.6	34.6	97.7	97.7	7.3	7.2	11	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						4.1	0.1	219	19.7	19.7	8.0	8.0	34.6	34.6	97.6	97.6	7.3	7.4	12	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					Bottom	7.1	0.1	245	19.7	19.7	8.0	8.0	34.8	34.8	97.6	97.6	7.3	7.3	10	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
						7.1	0.1	249	19.7	19.7	8.0	8.0	34.8	34.8	97.7	97.7	7.3	8.4	12	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
C2	Fine	Moderate	11:33	12.2	Surface	1.0	0.1	10	19.8	19.8	8.0	8.0	33.9	33.9	98.3	98.3	7.4	6.8	13	88	87	88	88	88	88	825659	806965	<0.2	1.1	<0.2	1.1					
						1.0	0.1	10	19.8	19.8	8.0	8.0	33.9	33.9	98.3	98.3	7.3	6.8	14	87	88	88	88	88	88	88	88	88	88	88	88	88	88			
					Middle	6.1	0.0	117	19.7	19.7	8.0	8.0	34.0	34.0	96.5	96.5	7.2	8.3	13	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
						6.1	0.0	128	19.7	19.7	8.0	8.0	34.0	34.0	96.5	96.5	7.2	8.2	13	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					Bottom	11.2	0.1	63	19.7	19.7	8.0	8.0	34.0	34.0	95.9	95.9	7.2	10.5	12	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
						11.2	0.1	67	19.7	19.7	8.0	8.0	34.0	34.0	95.9	95.9	7.2	10.6	11	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
C3	Fine	Moderate	13:41	12.1	Surface	1.0	0.3	152	20.2	20.2	8.0	8.0	34.4	34.4	92.7	92.7	6.9	4.2	9	89	88	88	88	88	88	822111	817795	<0.2	0.7	<0.2	0.8					
						1.0	0.3	163	20.2	20.2	8.0	8.0	34.4	34.4	92.6	92.6	6.9	4.3	10	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
					Middle	6.1	0.3	151	20.2	20.2	8.0	8.0	34.4	34.4	90.9	90.9	6.7	8.4	10	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						6.1	0.3	162	20.2	20.2	8.0	8.0	34.4	34.4	90.9	90.9	6.7	8.4	9	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					Bottom	11.1	0.2	143	20.2	20.2	8.0	8.0	34.5	34.5	90.7	90.7	6.7	9.1	9	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
						11.1	0.2	150	20.2	20.2	8.0	8.0	34.5	34.5	90.8	90.8	6.7	8.9	8	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
IM1	Cloudy	Moderate	12:58	4.6	Surface	1.0	0.0	110	19.6	19.6	8.0	8.0	34.2	34.2	102.3	102.2	7.7	4.4	10	88	89	89	89	89	89	817958	807137	<0.2	0.9	<0.2	0.8					
						1.0	0.0	114	19.6	19.6	8.0	8.0	34.2	34.2	102.0	102.0	7.6	4.5	10	89	89	89	89	89	89	89	89	89	89	89	89	89	89			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.6	0.1	286	19.5	19.5	8.0	8.0	34.3	34.3	100.9	100.9	7.6	5.9	10	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						3.6	0.1	291	19.5	19.5	8.0	8.0	34.3	34.3	100.8	100.8	7.6	5.9	9	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
IM2	Cloudy	Moderate	13:05	6.8	Surface	1.0	0.1	116	19.7	19.7	8.0	8.0	34.2	34.2	98.7	98.7	7.4	5.7	14	88	88	88	88	88	88	818144	806146	<0.2	0.8	<0.2	0.8					
						1.0	0.2	125	19.7	19.7	8.0	8.0	34.2	34.2	98.7	98.7	7.4	5.8	13	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
					Middle	3.4	0.1	104	19.6	19.6	8.0	8.0	34.3	34.3	98.3	98.3	7.4	7.2	13	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89		
						3.4	0.1	107	19.6	19.6	8.0	8.0	34.3	34.3	98.2	98.2	7.4	7.0	14	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89		
					Bottom	5.8	0.1	174	19.4	19.4	8.0	8.0	34.4	34.4	99.2	99.2	7.4	6.8	12	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						5.8	0.1	190	19.4	19.4	8.0	8.0	34.4	34.4	99.1	99.1	7.4	6.8	12	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
IM3	Cloudy	Moderate	13:10	7.0	Surface	1.0	0.1	201	19.7	19.7	8.0	8.0	34.2	34.2	98.6	98.5	7.4	6.7	14	89	89	89	89	89	89	818804	805613	<0.2	0.9	<0.2	0.8					
						1.0	0.1	217	19.7	19.7	8.0	8.0	34.2	34.2	98.4	98.4	7.4	6.7	14	89	89	89	89	89	89	89	89	89	89	89	89	89				
					Middle	3.5	0.1	180	19.6	19.6	8.0	8.0	34.3	34.3	97.4	97.4	7.3	9.3	14	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90		
						3.5	0.1	194	19.6	19.6	8.0	8.0	34.3	34.3	97.4	97.4	7.3	9.3	13	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
					Bottom	6.0	0.1	125	19.6	19.6	8.0	8.0	34.4	34.4	98.5	98.5	7.4	21.4	13	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91		
						6.0	0.1	125	19.6	19.6	8.0	8.0	34.4	34.4	98.5	98.5	7.4	21.9	15	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
IM4	Cloudy	Moderate	13:20	7.7	Surface	1.0	0.1	283	19.7	19.7	8.0	8.0	34.2	34.2	99.5	99.5	7.4	6.2	16	89	89	89	89	89	89	819723	804593	<0.2	0.8	<0.2	0.9					
						1.0	0.1	283	19.7	19.7	8.0	8.0	34.2	34.2	99.4	99.4	7.4	6.3	17	89	89	89	89	89	89	89	89	89	89	89	89					
					Middle	3.9	0.0	11	19.6	19.6	8.0	8.0	34.2	34.2	99.0	99.0	7.4	9.4	17	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
						3.9	0.0	11	19.6	19.6	8.0	8.0	34.2	34.2	99.0	99.0	7.4	9.6	16	90	90	90	90	90	90	90	90	90	90	90	90	90				
					Bottom	6.7	0.0	59	19.6	19.6	8.0	8.0	34.3	34.3	99.0	99.0	7.4	15.5	15	91	91	91	91	91	91	91	91	91	91	91	91	91	91			
						6.7	0.0	61	19.6	19.6	8.0	8.0	34.3	34.3	99.1	99.1	7.4	15.3	13	91	91	91	91	91	91	91	91	91	91	91	91	91				
IM5	Cloudy	Moderate	13:27	7.1	Surface	1.0	0.2	355	19.6	19.6	8.0	8.0	34.2	34.2	99.8	99.8	7.5	6.9	15	89	89	89	89	89	89	820723	804874	<0.2	0.9	<0.2	0.8					
						1.0	0.2	3																												

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

Water Quality Monitoring Results on 22 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	17:39	8.2	Surface	1.0	0.7	42	19.6	19.6	8.0	8.0	34.2	34.2	100.7	100.7	7.5	7.5	5.0	5.0	12	12	88	88	89	815623	804239	<0.2	1.1	<0.2	1.1					
						1.0	0.7	45	19.6	8.0	8.0	34.2	34.2	100.7	100.7	7.6	7.5	5.0	5.0	12	12	89	89													
					Middle	4.1	0.7	49	19.5	19.5	8.0	8.0	34.3	34.3	99.3	99.3	7.5	7.5	6.4	6.4	14	14	90	90				<0.2	1.1	<0.2	1.1					
						4.1	0.8	51	19.5	19.5	8.1	8.1	34.3	34.3	99.3	99.3	7.5	7.5	6.4	6.4	14	14	90	90				<0.2	1.1	<0.2	1.1					
					Bottom	7.2	0.6	32	19.5	19.5	8.1	8.1	34.3	34.3	100.4	100.4	7.5	7.5	6.1	6.1	16	16	90	90				<0.2	1.1	<0.2	1.1					
						7.2	0.6	32	19.5	19.5	8.1	8.1	34.3	34.3	100.4	100.4	7.5	7.5	6.0	6.0	18	18	90	90				<0.2	1.1	<0.2	1.1					
C2	Cloudy	Moderate	19:14	11.9	Surface	1.0	0.4	325	19.8	19.8	8.0	8.0	33.9	33.9	97.9	97.9	7.3	7.3	7.1	7.1	15	15	87	87	89	825702	806936	<0.2	1.1	<0.2	1.1					
						1.0	0.4	354	19.8	8.0	8.0	33.9	33.9	97.8	97.8	7.3	7.3	7.1	7.1	17	17	88	88													
					Middle	6.0	0.4	16	19.7	19.7	8.0	8.0	34.0	34.0	96.3	96.3	7.2	7.2	10.8	10.8	15	15	89	89				<0.2	1.1	<0.2	1.1					
						6.0	0.4	17	19.7	19.7	8.0	8.0	34.0	34.0	96.3	96.3	7.2	7.2	10.8	10.8	16	16	88	88				<0.2	1.1	<0.2	1.1					
					Bottom	10.9	0.4	22	19.7	19.7	8.0	8.0	34.0	34.0	95.3	95.3	7.1	7.1	12.3	12.3	13	13	90	90				<0.2	1.1	<0.2	1.1					
						10.9	0.4	24	19.7	19.7	8.0	8.0	34.0	34.0	95.3	95.3	7.1	7.1	12.3	12.3	14	14	90	90				<0.2	1.1	<0.2	1.1					
C3	Fine	Moderate	17:05	10.7	Surface	1.0	0.7	254	20.3	20.3	8.2	8.2	33.5	33.5	89.0	89.0	6.6	6.6	5.7	5.7	13	13	89	89	90	822130	817788	<0.2	0.8	<0.2	0.8					
						1.0	0.7	272	20.3	20.3	8.2	8.2	33.5	33.5	89.0	89.0	6.6	6.6	5.8	5.8	12	12	90	90												
					Middle	5.4	0.6	276	20.3	20.3	8.2	8.2	33.5	33.5	89.1	89.1	6.6	6.6	8.6	8.6	12	12	90	90				<0.2	0.8	<0.2	0.8					
						5.4	0.7	277	20.3	20.3	8.2	8.2	33.5	33.5	89.1	89.1	6.6	6.6	8.7	8.7	12	12	90	90				<0.2	0.8	<0.2	0.8					
					Bottom	9.7	0.5	280	20.2	20.2	8.2	8.2	33.5	33.5	89.4	89.4	6.6	6.6	12.8	12.8	10	10	91	91				<0.2	0.8	<0.2	0.8					
						9.7	0.6	307	20.2	20.2	8.2	8.2	33.5	33.5	89.4	89.4	6.6	6.6	12.9	12.9	11	11	92	92				<0.2	0.8	<0.2	0.8					
IM1	Cloudy	Moderate	17:20	5.3	Surface	1.0	0.1	7	19.5	19.5	8.1	8.1	34.2	34.2	101.8	101.5	7.6	7.6	4.1	4.1	9	9	88	88	89	817958	807153	<0.2	0.9	<0.2	0.9					
						1.0	0.1	7	19.5	19.5	8.1	8.1	34.3	34.2	101.2	101.2	7.6	7.6	4.2	4.2	10	10	88	88												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-
					Bottom	4.3	0.2	11	19.6	19.6	8.1	8.1	34.5	34.5	100.4	100.5	7.5	7.5	4.2	4.2	11	11	89	89				<0.2	0.8	<0.2	0.8					
						4.3	0.2	11	19.6	19.6	8.1	8.1	34.5	34.5	100.6	100.6	7.5	7.5	4.3	4.3	10	10	89	89				<0.2	0.8	<0.2	0.8					
IM2	Cloudy	Moderate	17:13	7.2	Surface	1.0	0.3	15	19.6	19.6	7.9	7.9	34.2	34.2	99.1	99.1	7.4	7.4	7.8	7.8	16	16	88	88	89	818159	806162	<0.2	1.1	<0.2	1.1					
						1.0	0.3	16	19.6	19.6	7.9	7.9	34.3	34.3	99.2	99.2	7.4	7.4	8.0	8.0	16	16	89	89												
					Middle	3.6	0.2	19	19.5	19.5	7.9	7.9	34.3	34.3	98.5	98.7	7.4	7.4	8.5	8.5	15	15	89	89				<0.2	1.1	<0.2	1.1					
						3.6	0.2	20	19.5	19.5	7.9	7.9	34.3	34.3	98.8	98.8	7.4	7.4	8.5	8.5	17	17	90	90				<0.2	1.1	<0.2	1.1					
					Bottom	6.2	0.2	345	19.5	19.5	7.9	7.9	34.3	34.3	99.3	99.3	7.4	7.4	10.1	10.1	17	17	90	90				<0.2	1.1	<0.2	1.1					
						6.2	0.2	317	19.5	19.5	7.9	7.9	34.3	34.3	99.2	99.2	7.4	7.4	9.9	9.9	16	16	90	90				<0.2	1.1	<0.2	1.1					
IM3	Cloudy	Moderate	17:06	7.5	Surface	1.0	0.4	359	19.6	19.6	7.9	7.9	34.2	34.2	99.1	99.9	7.4	7.4	6.4	6.4	17	17	88	88	90	818787	805578	<0.2	0.8	<0.2	0.8					
						1.0	0.4	332	19.6	19.6	7.9	7.9	34.2	34.2	98.7	98.7	7.4	7.4	6.7	6.7	16	16	89	89												
					Middle	3.8	0.3	354	19.5	19.5	7.9	7.9	34.2	34.2	98.5	98.5	7.4	7.4	7.8	7.8	17	17	90	90				<0.2	0.8	<0.2	0.8					
						3.8	0.4	346	19.5	19.5	7.9	7.9	34.2	34.2	98.5	98.5	7.4	7.4	7.8	7.8	16	16	90	90				<0.2	0.8	<0.2	0.8					
					Bottom	6.5	0.4	346	19.5	19.5	7.9	7.9	34.2	34.2	99.3	99.3	7.4	7.4	8.5	8.5	17	17	91	91				<0.2	0.8	<0.2	0.8					
						6.5	0.4	359	19.5	19.5	7.9	7.9	34.2	34.2	99.4	99.4	7.5	7.5	8.4	8.4	18	18	91	91				<0.2	0.8	<0.2	0.8					
IM4	Cloudy	Moderate	16:56	6.6	Surface	1.0	0.6	352	19.7	19.7	8.0	8.0	34.2	34.2	99.5	99.5	7.4	7.4	8.1	8.1	15	15	88	88	90	819748	804602	<0.2	0.8	<0.2	0.8					
						1.0	0.7	357	19.7	19.7	8.0	8.0	34.2	34.2	99.5	99.5	7.4	7.4	8.4	8.4	17	17	89	89												
					Middle	3.3	0.5	346	19.6	19.6	8.0	8.0	34.2	34.2	98.0	98.0	7.4	7.4	17.1	17.1	16	16	89	89				<0.2	0.8	<0.2	0.8					
						3.3	0.5	353	19.6	19.6	8.0	8.0	34.2	34.2	99.2	99.2	7.4	7.4	16.8	16.8	18	18	90	90				<0.2	0.8	<0.2	0.8					
					Bottom	5.6	0.4	336	19.5	19.5	7.9	7.9	34.2	34.2	98.5	98.5	7.4	7.4	18.6	18.6	17	17	91	91				<0.2	0.8	<0.2	0.8					
						5.6	0.5	309	19.5	19.5	7.9	7.9	34.2	34.2	98.6	98.6	7.4	7.4	18.3	18.3	19	19	91	91				<0.2	0.8	<0.2	0.8					
IM5	Cloudy	Moderate	16:48	6.9	Surface	1.0	0.7	23	19.5	19.5	8.0	8.0	34.1	34.1	99.3	99.4	7.5	7.5	12.6	12.6	18	18	89	89	90	820724	804843	<0.2	0.8	<0.2	0.8					
						1.0	0.8	23	19.5	19.5	8.0	8.0	34.1	34.1	99.5	99.5	7.5	7.5	12.9	12.9	19	19	89	89												
					Middle	3.5	0.7	19	19.5	19.5	8.0	8.0	34.2	34.2	98.1	98.1	7.4	7.4	17.7	17.7	20	20	89	89				<0.2	0.8	<0.2	0.8					
						3.5	0.7	19	19.5	19.5	8.0	8.0	34.2	34.2	98.1	98.1	7.4	7.4	17.9	17.9	20	20	90	90				<0.2	0.8	<0.2	0.8					
					Bottom	5.9	0.5	25	19.5	19.5	8.0	8.0	34.2	34.2	99.8	99.8	7.5	7.5	19.1	19.1	20	20	90	90				<0.2	0.8	<0.2	0.8					
						5.9	0.6	26	19.5	19.5	8.0	8.0	34.2	34.2	99.7	99.7	7.5	7.5	19.1	19.1	19	19	91	91				<0.2	0.8	<0.2	0.8					
IM6	Cloudy	Moderate	16:41	7.3	Surface	1.0	0.4	132	19.5	19.5	8.0	8.0	34.3	34.3	100.2	100.3	7.5	7.5	6.7	6.7	18	18	89	89	90	821078	805812	<0.2	0.8	<0.2	0.8					
						1.0	0.4	134	19.5	19.5	8.0	8.0	34.3	34.3																						

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

Water Quality Monitoring Results on 12 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	18:37	7.5	Surface	1.0	0.3	43	19.7	19.7	8.0	8.0	33.9	33.9	98.5	98.5	7.4	4.5	7.3	4.5	12	89	89	89	89	822112	808818	<0.2	1.0	<0.2	0.9		
						1.0	0.3	43	19.7	19.7	8.0	8.0	33.9	33.9	98.5	98.5	7.4	4.5	7.3	4.5	13	88	88	88	88			<0.2	0.9	<0.2	0.9		
						3.8	0.3	39	19.6	19.6	8.0	8.0	34.1	34.1	98.1	98.1	7.4	9.2	7.2	9.2	12	89	89	89	89			<0.2	1.0	<0.2	1.0		
					Middle	3.8	0.3	41	19.6	19.6	8.0	8.0	34.1	34.1	98.1	98.1	7.4	9.3	7.3	9.3	12	89	89	89	89			<0.2	1.0	<0.2	1.0		
						6.5	0.1	32	19.5	19.5	8.0	8.0	34.1	34.1	97.8	97.8	7.3	11.8	7.3	11.8	11	90	90	90	90			<0.2	1.0	<0.2	1.0		
						6.5	0.1	32	19.5	19.5	8.0	8.0	34.1	34.1	97.8	97.8	7.3	11.7	7.3	11.7	11	90	90	90	90			<0.2	1.0	<0.2	1.0		
IM10	Cloudy	Moderate	18:30	7.8	Surface	1.0	0.6	302	19.7	19.7	8.0	8.0	34.2	34.2	97.2	97.2	7.3	6.3	7.3	6.3	13	89	89	89	89	822392	809807	<0.2	0.9	<0.2	0.9		
						1.0	0.6	331	19.7	19.7	8.0	8.0	34.2	34.2	97.2	97.2	7.3	6.3	7.3	6.3	13	88	88	88	88			<0.2	0.9	<0.2	0.9		
						3.9	0.6	314	19.6	19.6	8.0	8.0	34.2	34.2	96.8	96.8	7.2	7.5	7.2	7.5	14	90	90	90	90			<0.2	0.9	<0.2	0.9		
					Middle	3.9	0.6	334	19.6	19.6	8.0	8.0	34.2	34.2	96.8	96.8	7.2	7.5	7.2	7.5	14	90	90	90	90			<0.2	0.9	<0.2	0.9		
						6.8	0.6	311	19.6	19.6	8.0	8.0	34.2	34.2	96.2	96.2	7.2	8.9	7.2	8.9	13	90	90	90	90			<0.2	0.9	<0.2	0.9		
						6.8	0.6	339	19.6	19.6	8.0	8.0	34.2	34.2	96.2	96.2	7.2	8.9	7.2	8.9	14	90	90	90	90			<0.2	0.9	<0.2	0.9		
IM11	Cloudy	Moderate	18:19	8.1	Surface	1.0	0.6	274	19.6	19.6	8.0	8.0	34.2	34.2	97.4	97.4	7.3	5.7	7.3	5.7	14	89	89	89	89	822060	811458	<0.2	0.9	<0.2	0.9		
						1.0	0.6	277	19.6	19.6	8.0	8.0	34.2	34.2	97.4	97.4	7.3	5.7	7.3	5.7	13	88	88	88	88			<0.2	0.9	<0.2	0.9		
						4.1	0.4	266	19.6	19.6	8.0	8.0	34.2	34.2	96.6	96.6	7.2	6.2	7.2	6.2	12	89	89	89	89			<0.2	0.9	<0.2	0.9		
					Middle	4.1	0.5	274	19.6	19.6	8.0	8.0	34.2	34.2	96.6	96.6	7.2	6.2	7.2	6.2	12	90	90	90	90			<0.2	0.9	<0.2	0.9		
						7.1	0.4	302	19.6	19.6	8.0	8.0	34.2	34.2	96.2	96.2	7.2	7.6	7.2	7.6	11	90	90	90	90			<0.2	0.9	<0.2	0.9		
						7.1	0.4	302	19.6	19.6	8.0	8.0	34.2	34.2	96.2	96.2	7.2	7.7	7.2	7.7	11	91	91	91	91			<0.2	0.9	<0.2	0.9		
IM12	Cloudy	Moderate	18:13	8.9	Surface	1.0	0.6	265	19.7	19.7	8.0	8.0	34.2	34.2	97.7	97.7	7.3	4.7	7.3	4.7	10	88	88	88	88	821477	812035	<0.2	1.0	<0.2	0.9		
						1.0	0.6	281	19.7	19.7	8.0	8.0	34.2	34.2	97.7	97.7	7.3	4.7	7.3	4.7	10	89	89	89	89			<0.2	0.9	<0.2	0.9		
						4.5	0.5	268	19.7	19.7	8.0	8.0	34.2	34.2	97.2	97.2	7.3	6.2	7.3	6.2	9	88	88	88	88			<0.2	1.0	<0.2	0.9		
					Middle	4.5	0.6	290	19.7	19.7	8.0	8.0	34.2	34.2	97.2	97.2	7.3	6.1	7.3	6.1	10	89	89	89	89			<0.2	0.9	<0.2	0.9		
						7.9	0.4	253	19.7	19.7	8.0	8.0	34.2	34.2	96.8	96.8	7.2	7.8	7.2	7.8	8	89	89	89	89			<0.2	0.9	<0.2	0.9		
						7.9	0.4	263	19.7	19.7	8.0	8.0	34.2	34.2	96.8	96.8	7.2	7.7	7.2	7.7	9	90	90	90	90			<0.2	0.9	<0.2	0.9		
SR1A	Cloudy	Moderate	17:54	5.2	Surface	1.0	-	-	19.6	19.6	8.0	8.0	34.4	34.4	93.8	93.8	7.0	5.4	7.0	5.4	10	-	-	-	-	819980	812665	-	-	-	-		
						1.0	-	-	19.6	19.6	8.0	8.0	34.4	34.4	93.8	93.8	7.0	5.5	7.0	5.5	11	-	-	-	-			-	-	-	-		
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.2	-	0	19.6	19.6	8.0	8.0	34.4	34.4	93.6	93.6	7.0	5.4	7.0	5.4	13	-	-	-	-	-	-	-	-	-	-	-	-
						4.2	-	0	19.6	19.6	8.0	8.0	34.4	34.4	93.6	93.6	7.0	5.7	7.0	5.7	14	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Moderate	17:24	4.9	Surface	1.0	0.2	332	19.7	19.7	8.2	8.2	33.3	33.3	96.1	96.1	7.2	6.4	7.2	6.4	13	90	90	90	90	821468	814161	<0.2	0.9	<0.2	0.8		
						1.0	0.2	347	19.7	19.7	8.2	8.2	33.3	33.3	96.1	96.1	7.2	6.5	7.2	6.5	14	89	89	89	89			<0.2	0.8	<0.2	0.8		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.9	0.2	341	19.7	19.7	8.2	8.2	33.3	33.3	95.6	95.6	7.2	8.4	7.2	8.4	12	90	90	90	90			<0.2	0.9	<0.2	0.9		
						3.9	0.2	314	19.7	19.7	8.2	8.2	33.3	33.3	95.6	95.6	7.2	8.3	7.2	8.3	11	90	90	90	90			<0.2	0.9	<0.2	0.9		
SR3	Cloudy	Moderate	18:48	8.7	Surface	1.0	0.1	342	19.7	19.7	8.0	8.0	33.8	33.8	97.6	97.6	7.3	7.0	7.3	7.0	12	-	-	-	-	822145	807590	-	-	-	-		
						1.0	0.1	315	19.7	19.7	8.0	8.0	33.8	33.8	97.6	97.6	7.3	7.0	7.3	7.0	13	-	-	-	-			-	-	-	-		
						4.4	0.3	36	19.5	19.5	8.0	8.0	33.9	33.9	97.9	97.9	7.4	10.2	7.4	10.2	12	-	-	-	-			-	-	-	-		
					Middle	4.4	0.3	37	19.5	19.5	8.0	8.0	33.9	33.9	97.9	97.9	7.4	10.3	7.4	10.3	13	-	-	-	-			-	-	-	-		
						7.7	0.3	43	19.5	19.5	8.0	8.0	34.0	34.0	98.3	98.3	7.4	12.3	7.4	12.3	13	-	-	-	-			-	-	-	-		
						7.7	0.3	44	19.5	19.5	8.0	8.0	34.0	34.0	98.3	98.3	7.4	12.4	7.4	12.4	13	-	-	-	-			-	-	-	-		
SR4A	Cloudy	Calm	18:01	8.5	Surface	1.0	0.4	278	19.4	19.4	8.1	8.1	34.2	34.2	100.4	100.2	7.5	6.1	7.5	6.1	13	-	-	-	-	817179	807813	-	-	-	-		
						1.0	0.4	281	19.4	19.4	8.1	8.1	34.2	34.2	99.9	99.9	7.5	5.9	7.5	5.9	13	-	-	-	-			-	-	-	-		
						4.3	0.4	280	19.4	19.4	8.1	8.1	34.2	34.2	99.6	99.4	7.5	6.4	7.5	6.4	11	-	-	-	-			-	-	-	-		
					Middle	4.3	0.4	283	19.4	19.4	8.1	8.1	34.2	34.2	99.2	99.2	7.5	6.5	7.5	6.5	12	-	-	-	-			-	-	-	-		
						7.5	0.4	262	19.4	19.4	8.2	8.2	34.2	34.2	99.9	99.9	7.5	6.2	7.5	6.2	12	-	-	-	-			-	-	-	-		
						7.5	0.4	266	19.4	19.4	8.2	8.2	34.2	34.2	99.8	99.8	7.5	7.1	7.5	7.1	12	-	-	-	-			-	-	-	-		
SR5A	Cloudy	Calm	18:17	3.8	Surface	1.0	0.0	212																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Sunny	Moderate	13:46	9.1	Surface	1.0	0.3	144	20.0	20.0	8.0	8.0	33.1	33.1	99.3	99.4	7.4	7.4	6.1	6.1	10	10	84	84	815631	804229	<0.2	0.9	<0.2	1.0					
						1.0	0.3	147	20.0	8.0	8.0	33.1	33.1	99.4	99.4	7.4	7.4	6.1	6.1	10	10	85	85	<0.2			0.9								
					Middle	4.6	0.2	134	19.9	19.9	8.0	8.0	33.3	33.3	97.9	97.9	7.3	7.3	7.6	7.6	14	13	89	89			<0.2	0.8	<0.2	0.9					
						4.6	0.2	141	19.8	19.8	8.0	8.0	33.3	33.3	97.8	97.8	7.3	7.3	7.6	7.6	13	13	89	89			<0.2	0.9	<0.2	1.1					
					Bottom	8.1	0.0	141	19.8	19.8	8.0	8.0	33.8	33.8	96.9	97.0	7.3	7.3	14.5	14.5	15	14	93	93			<0.2	1.1	<0.2	1.1					
						8.1	0.0	142	19.8	19.8	8.0	8.0	33.6	33.6	97.0	97.0	7.3	7.3	14.8	14.8	14	14	93	93			<0.2	1.1	<0.2	1.1					
C2	Fine	Moderate	12:47	11.3	Surface	1.0	0.3	200	20.0	20.0	8.0	8.0	31.3	31.3	94.9	94.9	7.2	7.2	6.0	6.0	16	16	86	86	825679	806926	<0.2	1.4	<0.2	1.2					
						1.0	0.3	209	20.0	20.0	8.0	8.0	31.4	31.3	94.8	94.8	7.2	7.2	6.0	6.0	14	14	86	86			<0.2	1.4							
					Middle	5.7	0.2	181	19.9	19.9	8.0	8.0	31.7	31.7	94.2	94.2	7.1	7.1	6.6	6.6	13	13	89	89			<0.2	1.2	<0.2	1.2					
						5.7	0.2	198	19.9	19.9	8.0	8.0	31.7	31.7	94.2	94.2	7.1	7.1	6.7	6.7	13	13	90	90			<0.2	1.2	<0.2	1.1					
					Bottom	10.3	0.2	152	19.8	19.8	8.0	8.0	32.2	32.1	94.1	94.1	7.1	7.1	19.8	19.8	13	13	90	90			<0.2	1.1	<0.2	1.1					
						10.3	0.2	148	19.8	19.8	8.0	8.0	32.1	32.1	94.1	94.1	7.1	7.1	20.0	20.0	12	12	90	90			<0.2	1.0	<0.2	1.0					
C3	Fine	Moderate	14:45	11.4	Surface	1.0	0.1	41	20.2	20.2	8.0	8.0	33.3	33.3	90.2	90.1	6.7	6.7	5.1	5.1	6	6	86	86	822107	817783	<0.2	1.3	<0.2	1.3					
						1.0	0.1	46	20.2	20.2	8.0	8.0	33.3	33.3	90.0	90.0	6.7	6.7	5.2	5.2	7	7	86	86			<0.2	1.3							
					Middle	5.7	0.2	48	20.1	20.1	8.0	8.0	33.3	33.3	89.7	89.7	6.7	6.7	7.0	7.0	8	8	88	88			<0.2	1.3	<0.2	1.3					
						5.7	0.2	50	20.1	20.1	8.0	8.0	33.3	33.3	89.7	89.7	6.7	6.7	7.1	7.1	9	9	89	89			<0.2	1.3	<0.2	1.3					
					Bottom	10.4	0.1	53	20.1	20.1	8.0	8.0	33.3	33.3	91.1	91.2	6.8	6.8	7.5	7.5	8	8	90	90			<0.2	0.9	<0.2	0.9					
						10.4	0.1	58	20.1	20.1	8.0	8.0	33.3	33.3	91.2	91.2	6.8	6.8	7.5	7.5	9	9	90	90			<0.2	0.9	<0.2	0.9					
IM1	Sunny	Moderate	13:31	5.4	Surface	1.0	0.2	116	20.1	20.1	8.0	8.0	34.0	34.0	99.5	99.4	7.4	7.4	6.7	6.7	12	12	87	87	817964	807147	<0.2	1.3	<0.2	1.2					
						1.0	0.2	132	20.1	20.1	8.0	8.0	34.0	34.0	99.3	99.3	7.4	7.4	6.7	6.7	13	13	87	87			<0.2	1.2	<0.2	1.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-
					Bottom	4.4	0.1	129	19.7	19.7	8.0	8.0	34.1	34.1	96.8	97.0	7.2	7.3	10.3	10.3	10	10	92	92			<0.2	1.3	<0.2	1.3					
						4.4	0.1	131	19.7	19.7	8.0	8.0	34.1	34.1	97.1	97.0	7.3	7.3	10.5	10.5	11	11	93	93			<0.2	1.3	<0.2	1.3					
IM2	Sunny	Moderate	13:26	7.8	Surface	1.0	0.2	114	20.2	20.2	8.0	8.0	33.4	33.4	99.4	99.4	7.4	7.4	6.4	6.4	8	8	86	86	818161	806164	<0.2	1.3	<0.2	1.3					
						1.0	0.2	125	20.2	20.2	8.0	8.0	33.4	33.4	99.3	99.3	7.4	7.4	6.5	6.5	9	9	87	87			<0.2	1.3							
					Middle	3.9	0.2	109	19.8	19.8	8.0	8.0	33.8	33.8	96.9	96.9	7.3	7.3	11.9	11.9	9	9	90	90			<0.2	1.2	<0.2	1.2					
						3.9	0.2	117	19.8	19.8	8.0	8.0	33.8	33.8	96.9	96.9	7.3	7.3	12.5	12.5	10	10	90	90			<0.2	1.3	<0.2	1.3					
					Bottom	6.8	0.2	113	19.7	19.7	8.0	8.0	33.8	33.8	96.7	96.7	7.2	7.2	18.0	18.0	11	11	94	94			<0.2	1.2	<0.2	1.2					
						6.8	0.2	114	19.7	19.7	8.0	8.0	33.8	33.8	96.7	96.7	7.2	7.2	18.3	18.3	10	10	94	94			<0.2	1.3	<0.2	1.3					
IM3	Sunny	Moderate	13:21	8.1	Surface	1.0	0.3	202	20.0	20.0	8.0	8.0	33.5	33.5	99.1	99.1	7.4	7.4	7.4	7.4	13	13	85	85	818773	805577	<0.2	1.5	<0.2	1.6					
						1.0	0.4	214	20.0	20.0	8.0	8.0	33.5	33.5	99.1	99.1	7.4	7.4	7.5	7.5	12	12	86	86			<0.2	1.6							
					Middle	4.1	0.3	213	19.8	19.8	8.0	8.0	33.8	33.8	97.8	97.8	7.3	7.3	11.4	11.4	13	13	89	89			<0.2	1.5	<0.2	1.5					
						4.1	0.3	222	19.8	19.8	8.0	8.0	33.8	33.8	97.8	97.8	7.3	7.3	11.5	11.5	14	14	89	89			<0.2	1.4	<0.2	1.4					
					Bottom	7.1	0.2	206	19.8	19.8	8.0	8.0	33.9	33.9	97.7	97.7	7.3	7.3	18.6	18.6	14	14	94	94			<0.2	1.5	<0.2	1.5					
						7.1	0.2	198	19.8	19.8	8.0	8.0	33.9	33.9	97.7	97.7	7.3	7.3	19.0	19.0	14	14	93	93			<0.2	1.5	<0.2	1.5					
IM4	Sunny	Moderate	13:13	8.4	Surface	1.0	0.6	216	19.7	19.7	8.0	8.0	33.7	33.7	97.0	96.9	7.3	7.3	12.4	12.4	12	12	84	84	819715	804586	<0.2	1.4	<0.2	1.3					
						1.0	0.6	209	19.7	19.7	8.0	8.0	33.7	33.7	96.8	96.8	7.3	7.3	12.2	12.2	11	11	85	85			<0.2	1.3							
					Middle	4.2	0.5	213	19.7	19.7	8.0	8.0	33.8	33.8	96.3	96.4	7.2	7.2	13.5	13.5	12	12	89	89			<0.2	1.3	<0.2	1.3					
						4.2	0.5	215	19.7	19.7	8.0	8.0	33.8	33.8	96.5	96.5	7.2	7.2	13.9	13.9	11	11	89	89			<0.2	1.2	<0.2	1.2					
					Bottom	7.4	0.4	214	19.7	19.7	8.0	8.0	33.9	33.9	97.0	97.0	7.3	7.3	16.7	16.7	11	11	94	94			<0.2	1.1	<0.2	1.1					
						7.4	0.4	219	19.7	19.7	8.0	8.0	33.9	33.9	97.0	97.0	7.3	7.3	16.8	16.8	12	12	93	93			<0.2	1.2	<0.2	1.2					
IM5	Sunny	Moderate	13:01	7.6	Surface	1.0	0.7	222	19.9	19.9	8.0	8.0	33.7	33.7	97.7	97.6	7.3	7.3	14.2	14.2	18	18	86	86	820733	804864	<0.2	1.3	<0.2	1.2					
						1.0	0.7	223	19.9	19.9	8.0	8.0	33.7	33.7	97.5	97.5	7.3	7.3	14.3	14.3	17	17	87	87			<0.2	1.2							
					Middle	3.8	0.6	206	19.8	19.8	8.0	8.0	33.8	33.8	96.8	96.8	7.2	7.2	18.2	18.2	21	21	90	90			<0.2	0.9	<0.2	1.1					
						3.8	0.6	198	19.8	19.8	8.0	8.0	33.8	33.8	96.8	96.8	7.2	7.2	18.1	18.1	21	21	91	91			<0.2	1.1	<0.2	1.1					
					Bottom	6.6	0.5	205	19.8	19.8	8.0	8.0	33.8	33.8	96.5	96.5	7.2	7.2	20.7	20.7	22	22	91	91			<0.2	1.2	<0.2	1.2					
						6.6	0.5	199	19.8	19.8	8.0	8.0	33.8	33.8	96.5	96.5	7.2	7.2	20.5	20.5	20	20	92	92			<0.2	1.1	<0.2	1.1					
IM6	Sunny	Moderate	12:53	8.0	Surface	1.0	0.3	202	19.9	19.9	8.0	8.0	34.1	34.1	98.3	98.4	7.3	7.3	8.3	8.3	16	16	84	84	821047	805850	<0.2	1.1	<0.2	1.2					
						1.0	0.3	205	19.9																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)								
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA							
IM9	Fine	Moderate	13:19	7.2	Surface	1.0	0.2	167	20.0	20.0	8.0	8.0	32.0	32.0	95.0	95.0	7.2	7.2	8.7	7.2	10	85	88	88	822085	808805	<0.2	1.0	<0.2	1.0							
						1.0	0.2	168	20.0	8.0	8.0	32.0	32.0	94.9	94.9	7.2	7.2	8.8	7.2	9	86	86	86	<0.2			0.9	<0.2	0.9								
						3.6	0.2	179	19.8	8.0	8.0	32.1	32.1	94.3	94.4	7.1	7.1	10.8	7.2	12	88	87	87	<0.2			0.9	<0.2	1.0								
					Middle	3.6	0.2	184	19.8	8.0	8.0	32.1	32.1	94.4	94.4	7.1	7.1	10.9	7.2	12	87	87	87	<0.2			1.0	<0.2	1.0								
						6.2	0.0	142	19.8	8.0	8.0	32.3	32.3	96.4	96.5	7.3	7.3	14.1	7.2	11	89	89	89	<0.2			1.0	<0.2	1.0								
						6.2	0.0	144	19.8	8.0	8.0	32.3	32.3	96.5	96.5	7.3	7.3	14.5	7.2	11	91	91	91	<0.2			1.0	<0.2	1.0								
					IM10	Fine	Moderate	13:26	6.8	Surface	1.0	0.2	183	19.8	19.8	8.0	8.0	32.9	32.9	95.3	95.3	7.2	7.2	11.7			7.2	7	86	86	86	822393	809808	<0.2	0.9	<0.2	1.0
											1.0	0.2	168	19.8	8.0	8.0	32.9	32.9	95.3	95.3	7.2	7.2	11.8	7.2			7	86	86	86	<0.2			1.0	<0.2	1.0	
											3.4	0.3	169	19.7	19.7	8.1	8.1	32.9	32.9	95.3	95.3	7.2	7.2	12.6			7.2	8	89	88	88			<0.2	1.0	<0.2	1.0
Middle	3.4	0.3	158	19.7						19.7	8.1	8.1	32.9	32.9	95.3	95.3	7.2	7.2	12.8	7.2	8	88	88	88	<0.2	1.0	<0.2	1.0									
	5.8	0.3	163	19.8						19.8	8.1	8.1	32.9	32.9	95.6	95.7	7.2	7.2	13.0	7.2	8	90	89	89	<0.2	1.1	<0.2	1.1									
	5.8	0.3	168	19.8						19.8	8.1	8.1	32.9	32.9	95.7	95.7	7.2	7.2	13.1	7.2	7	90	89	89	<0.2	1.2	<0.2	1.2									
IM11	Fine	Moderate	13:36	7.9						Surface	1.0	0.2	172	19.9	19.9	8.0	8.0	32.7	32.7	95.1	95.1	7.2	7.2	8.5	7.2	7	86	87	87	822033	811474			<0.2	1.0	<0.2	0.8
											1.0	0.2	175	19.8	19.8	8.0	8.0	32.7	32.7	95.1	95.1	7.2	7.2	8.7	7.2	7	87	88	88					<0.2	0.9	<0.2	0.9
											4.0	0.2	287	19.8	19.8	8.0	8.0	32.7	32.7	94.9	94.9	7.1	7.1	10.4	7.2	8	88	88	88					<0.2	0.9	<0.2	0.9
					Middle	4.0	0.2	175	19.8	19.8	8.0	8.0	32.7	32.7	94.9	94.9	7.1	7.1	10.5	7.2	9	89	88	88	<0.2	0.9	<0.2	0.9									
						6.9	0.1	143	19.8	19.8	8.1	8.1	32.7	32.7	95.0	95.0	7.2	7.2	13.2	7.2	9	89	89	89	<0.2	0.9	<0.2	0.9									
						6.9	0.1	144	19.8	19.8	8.1	8.1	32.7	32.7	95.0	95.0	7.2	7.2	12.7	7.2	8	91	89	89	<0.2	0.9	<0.2	0.9									
					IM12	Fine	Moderate	13:42	8.4	Surface	1.0	0.2	132	19.8	19.8	8.1	8.1	32.8	32.8	95.7	95.7	7.2	7.2	7.7	7.2	10	86	86	86			821475	812066	<0.2	1.0	<0.2	1.0
											1.0	0.3	134	19.8	19.8	8.1	8.1	32.8	32.8	95.6	95.6	7.2	7.2	7.8	7.2	10	86	86	86					<0.2	1.0	<0.2	1.0
											4.2	0.2	125	19.8	19.8	8.1	8.1	32.8	32.8	95.8	95.8	7.2	7.2	9.3	7.2	11	87	87	87					<0.2	1.0	<0.2	1.0
Middle	4.2	0.2	129	19.8						19.8	8.1	8.1	32.8	32.8	95.8	95.8	7.2	7.2	9.7	7.2	11	88	88	88	<0.2	1.0	<0.2	1.0									
	7.4	0.2	158	19.8						19.8	8.1	8.1	32.8	32.8	96.6	96.7	7.3	7.3	10.4	7.3	10	90	89	89	<0.2	1.0	<0.2	1.0									
	7.4	0.2	179	19.8						19.8	8.1	8.1	32.8	32.8	96.8	96.8	7.3	7.3	10.4	7.3	9	90	89	89	<0.2	1.0	<0.2	0.9									
SR1A	Fine	Moderate	14:09	5.5						Surface	1.0	-	-	19.8	19.8	8.0	8.0	33.2	33.2	95.3	95.3	7.2	7.2	5.9	7.2	8	-	-	-	819980	812661			-	-	-	-
											1.0	-	-	19.8	19.8	8.0	8.0	33.2	33.2	95.3	95.3	7.2	7.2	6.0	7.2	7	-	-	-					-	-	-	
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-			
						4.5	-	-	19.8	19.8	8.0	8.0	33.1	33.1	95.5	95.5	7.2	7.2	6.1	7.2	9	-	-	-	-	-	-	-	-			-	-				
						4.5	-	-	19.8	19.8	8.0	8.0	33.1	33.1	95.5	95.5	7.2	7.2	6.1	7.2	8	-	-	-	-	-	-	-	-			-					
					SR2	Fine	Moderate	14:25	4.3	Surface	1.0	0.3	120	20.0	20.0	8.0	8.0	32.8	32.8	95.9	95.9	7.2	7.2	7.0	7.2	9	86	88	88			821454	814148	<0.2	0.9	<0.2	0.9
											1.0	0.4	122	19.9	19.9	8.0	8.0	32.8	32.8	95.9	95.9	7.2	7.2	7.2	7.2	10	88	88	88					<0.2	0.9	<0.2	0.9
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-			
	3.3	0.3	126	19.9						19.9	8.0	8.0	32.8	32.8	95.7	95.7	7.2	7.2	11.1	7.2	11	91	91	91	<0.2	1.0	<0.2	0.8									
	3.3	0.3	127	19.9						19.9	8.0	8.0	32.8	32.8	95.7	95.7	7.2	7.2	11.1	7.2	10	91	91	91	<0.2	1.0	<0.2	0.8									
SR3	Fine	Moderate	13:09	8.3						Surface	1.0	0.0	160	20.0	20.0	8.0	8.0	31.8	31.8	95.7	95.7	7.2	7.2	5.6	7.2	11	-	-	-	822154	807561			-	-	-	-
											1.0	0.0	169	20.0	20.0	8.0	8.0	31.8	31.8	95.7	95.7	7.2	7.2	5.6	7.2	10	-	-	-					-	-		
											4.2	0.2	155	19.8	19.8	8.0	8.0	32.7	32.7	95.9	95.9	7.2	7.2	13.4	7.2	11	-	-	-					-	-		
					Middle	4.2	0.2	156	19.8	19.8	8.0	8.0	32.7	32.7	95.9	95.9	7.2	7.2	13.0	7.2	11	-	-	-	-	-	-	-									
						7.3	0.3	159	19.7	19.7	8.0	8.0	33.0	33.0	96.2	96.2	7.2	7.2	11.8	7.2	8	-	-	-	-	-											
						7.3	0.3	164	19.7	19.7	8.0	8.0	33.0	33.0	96.3	96.3	7.2	7.2	11.6	7.2	8	-	-	-	-	-											
					SR4A	Sunny	Calm	13:57	8.6	Surface	1.0	0.6	68	19.9	19.9	8.1	8.1	33.9	33.9	98.9	99.0	7.4	7.4	8.5	7.4	15	-	-	-			817175	807830	-	-	-	-
											1.0	0.7	69	19.9	19.9	8.1	8.1	33.9	33.9	99.1	99.0	7.4	7.4	8.6	7.4	16	-	-	-					-			
											4.3	0.5	72	19.8	19.8	8.1	8.1	33.9	33.9	97.8	97.8	7.3	7.3	10.6	7.3	14	-	-	-					-			
Middle	4.3	0.5	77	19.8						19.8	8.1	8.1	33.9	33.9	97.8	97.8	7.3	7.3	10.9	7.3	16	-	-	-	-												
	7.6	0.4	84	19.8						19.8	8.1	8.1	33.9	33.9	97.4	97.4	7.3	7.3	18.2	7.3	14	-	-	-	-												
	7.6	0.4	87	19.8						19.8	8.1	8.1	33.9	33.9	97.4	97.4	7.3	7.3	18.8	7.3	15	-	-	-	-												
SR5A	Sunny	Calm	14:10	5.0						Surface	1.0	0.1	344	20.0	20.0	8.0	8.0	34.3	34.3	97.6	97.5	7.3	7.3	5.3	7.3	14	-	-	-	816606	810692			-	-	-	-
											1.0	0.1	316	20.0	20.0	8.0	8.0	34.3	34.3	97.3	97.3	7.2	7.2	5.3	7.3	15	-	-	-					-			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-					
						4.0	0.1	16	19.9	19.9	8.0	8.0	34.3	34.3	97.5	97.4	7.3	7.3	6.2	7.3	11	-	-	-	-												

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	09:48	8.5	Surface	1.0	0.5	46	19.7	19.7	8.0	8.0	33.4	33.4	98.1	98.1	7.4	7.4	10.2	18	86	90	815604	804239	<0.2	1.1	<0.2	1.1				
						1.0	0.5	0	19.7	8.0	8.0	33.4	33.4	98.1	98.1	7.4	7.4	10.0	16	87	88											
					Middle	4.3	0.4	41	19.7	19.7	8.0	8.0	33.5	33.5	97.3	97.3	7.3	7.3	14.0	21	90	90	815604	804239	<0.2	1.1						
						4.3	0.5	42	19.7	19.7	8.0	8.0	33.5	33.5	97.3	97.3	7.3	7.3	14.1	19	90	90	<0.2	1.2								
					Bottom	7.5	0.4	31	19.7	19.7	8.1	8.1	33.8	33.8	96.6	96.6	7.2	7.2	21.4	33	93	93	815604	804239	<0.2	1.0						
						7.5	0.4	32	19.7	19.7	8.1	8.1	33.8	33.8	96.6	96.6	7.2	7.2	21.5	30	93	93	<0.2	1.1								
C2	Fine	Moderate	10:27	11.0	Surface	1.0	0.4	339	20.0	20.0	8.0	8.0	31.3	31.4	95.2	95.2	7.2	7.2	6.0	8	86	88	825680	806923	<0.2	1.5	<0.2	1.5				
						1.0	0.4	350	20.0	20.0	8.0	8.0	31.4	31.4	95.1	95.1	7.2	7.2	6.0	9	86	88										
					Middle	5.5	0.4	7	19.8	19.9	8.0	8.0	31.7	31.8	94.9	94.9	7.2	7.2	6.8	6	87	88	825680	806923	<0.2	1.6						
						5.5	0.4	7	19.8	19.8	8.0	8.0	31.9	31.9	95.0	95.0	7.2	7.2	6.7	6	88	88	<0.2	1.6								
					Bottom	10.0	0.3	29	19.8	19.8	8.0	8.0	32.2	32.2	96.3	96.3	7.3	7.3	16.9	6	90	90	825680	806923	<0.2	1.2						
						10.0	0.4	30	19.8	19.8	8.0	8.0	32.2	32.2	96.5	96.4	7.3	7.3	16.9	7	90	90	<0.2	1.5								
C3	Fine	Moderate	08:24	10.6	Surface	1.0	0.3	273	19.9	19.9	8.0	8.0	32.7	32.7	94.7	94.7	7.1	7.1	5.7	7	86	88	822088	817798	<0.2	1.5	<0.2	1.6				
						1.0	0.3	295	19.9	19.9	8.0	8.0	32.7	32.7	94.7	94.7	7.1	7.1	5.8	8	85	88										
					Middle	5.3	0.0	274	19.8	19.8	8.0	8.0	32.8	32.8	95.0	95.0	7.1	7.1	6.5	8	88	88	822088	817798	<0.2	1.5						
						5.3	0.0	292	19.8	19.8	8.0	8.0	32.8	32.8	95.0	95.0	7.2	7.2	6.5	9	89	89	<0.2	1.5								
					Bottom	9.6	0.3	289	19.7	19.7	8.0	8.0	32.9	32.9	95.7	95.8	7.2	7.2	19.1	9	91	91	822088	817798	<0.2	1.5						
						9.6	0.3	290	19.7	19.7	8.0	8.0	32.9	32.9	95.8	95.8	7.2	7.2	19.1	8	91	91	<0.2	1.6								
IM1	Sunny	Moderate	10:10	5.3	Surface	1.0	0.2	352	19.8	19.8	8.1	8.1	34.2	34.2	97.2	97.2	7.3	7.3	5.5	12	88	91	817926	807118	<0.2	1.5	<0.2	1.4				
						1.0	0.2	359	19.8	19.8	8.1	8.1	34.2	34.2	97.1	97.1	7.2	7.2	5.5	13	87	91										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817926	807118			<0.2	1.3		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2			1.3			
					Bottom	4.3	0.2	359	19.8	19.8	8.2	8.2	34.2	34.2	95.7	95.7	7.2	7.2	8.7	14	94	94	817926	807118	<0.2	1.3						
						4.3	0.2	330	19.8	19.8	8.2	8.2	34.2	34.2	95.7	95.7	7.2	7.2	8.7	13	94	94	<0.2	1.3								
IM2	Sunny	Moderate	10:18	7.3	Surface	1.0	0.4	9	19.9	19.9	8.0	8.0	33.6	33.6	99.5	99.5	7.4	7.4	7.2	17	88	91	818183	806152	<0.2	1.3	<0.2	1.3				
						1.0	0.4	9	19.9	19.9	8.0	8.0	33.6	33.6	99.4	99.4	7.4	7.4	7.2	17	88	91										
					Middle	3.7	0.3	6	19.8	19.8	8.0	8.0	33.9	33.9	97.8	97.8	7.3	7.3	17.3	18	92	92	818183	806152	<0.2	1.3						
						3.7	0.3	6	19.8	19.8	8.0	8.0	33.9	33.9	97.8	97.8	7.3	7.3	17.0	16	92	92	<0.2	1.4								
					Bottom	6.3	0.2	354	19.7	19.7	8.1	8.1	34.0	34.0	97.0	97.1	7.3	7.3	22.1	22	94	94	818183	806152	<0.2	1.3						
						6.3	0.2	326	19.7	19.7	8.1	8.1	34.0	34.0	97.1	97.1	7.3	7.3	22.2	24	93	93	<0.2	1.4								
IM3	Sunny	Moderate	10:25	7.7	Surface	1.0	0.3	358	19.9	19.9	7.9	7.9	33.5	33.5	98.8	98.8	7.4	7.4	8.6	18	89	92	818794	805578	<0.2	1.5	<0.2	1.4				
						1.0	0.3	358	19.9	19.9	7.9	7.9	33.5	33.5	98.8	98.8	7.4	7.4	8.6	16	88	92										
					Middle	3.9	0.3	347	19.7	19.7	7.9	7.9	33.8	33.8	97.2	97.2	7.3	7.3	12.0	19	91	91	818794	805578	<0.2	1.3						
						3.9	0.3	319	19.7	19.7	7.9	7.9	33.8	33.8	97.1	97.1	7.3	7.3	12.2	20	92	92	<0.2	1.3								
					Bottom	6.7	0.2	327	19.7	19.7	7.9	7.9	34.0	34.0	97.0	97.0	7.3	7.3	15.9	19	94	94	818794	805578	<0.2	1.3						
						6.7	0.2	335	19.7	19.7	7.9	7.9	34.0	34.0	97.0	97.0	7.3	7.3	16.0	19	95	95	<0.2	1.3								
IM4	Sunny	Moderate	10:35	8.0	Surface	1.0	0.5	354	19.8	19.8	8.0	8.0	33.6	33.6	97.9	97.9	7.3	7.3	13.6	18	88	91	819701	804599	<0.2	1.3	<0.2	1.4				
						1.0	0.5	326	19.8	19.8	8.0	8.0	33.6	33.6	97.9	97.9	7.3	7.3	13.9	18	88	91										
					Middle	4.0	0.4	353	19.7	19.7	8.0	8.0	33.6	33.6	96.3	96.3	7.2	7.2	14.3	18	92	92	819701	804599	<0.2	1.4						
						4.0	0.5	325	19.7	19.7	8.0	8.0	33.6	33.6	96.2	96.2	7.2	7.2	14.7	18	91	91	<0.2	1.3								
					Bottom	7.0	0.4	353	19.7	19.7	7.9	7.9	33.7	33.7	96.3	96.3	7.2	7.2	20.9	19	94	94	819701	804599	<0.2	1.4						
						7.0	0.4	358	19.7	19.7	7.9	7.9	33.7	33.7	96.5	96.4	7.2	7.2	20.4	16	95	95	<0.2	1.4								
IM5	Sunny	Moderate	10:42	7.3	Surface	1.0	0.7	15	20.0	20.0	8.0	8.0	33.6	33.6	98.3	98.3	7.3	7.3	9.7	23	88	92	820755	804885	<0.2	1.3	<0.2	1.3				
						1.0	0.7	15	20.0	20.0	8.0	8.0	33.6	33.6	98.2	98.2	7.3	7.3	9.8	22	89	92										
					Middle	3.7	0.6	21	19.9	19.9	8.0	8.0	33.7	33.7	97.0	97.0	7.3	7.3	13.2	23	94	94	820755	804885	<0.2	1.3						
						3.7	0.7	21	19.9	19.9	8.0	8.0	33.7	33.7	97.0	97.0	7.3	7.3	13.2	23	93	93	<0.2	1.4								
					Bottom	6.3	0.5	18	19.8	19.8	8.0	8.0	33.8	33.8	97.2	97.2	7.3	7.3	18.6	17	95	95	820755	804885	<0.2	1.4						
						6.3	0.5	18	19.8	19.8	8.0	8.0	33.8	33.8	97.2	97.2	7.3	7.3	18.6	17	95	95	<0.2	1.3								
IM6	Sunny	Moderate	10:50	7.2	Surface	1.0	0.2	128	19.8	19.8	8.0	8.0	34.1	34.1	98.0	98.0	7.3	7.3	6.3	14	89	92	821043	805833	<0.2	1.4	<0.2	1.4				
						1.0	0.2	133	19.8	19.8	8.0	8.0	34.1	34.1	98.0	98.0	7.3	7.3	6.2	14	88	92										
					Middle	3.6	0.2	131	19.8	19.8	8.0	8.0	34.1	34.1	97.6	97.6	7.3	7.3	7.7	14	92	92	821043	805833	<0.2	1.4						
						3.6	0.2	140	19.8	19.8	8.0	8.0	34.1	34.1	97.6	97.6	7.3	7.3	7.7	14	93	93	<0.2	1.4								
					Bottom	6.2	0.2	137	19.8	19.8	8.0	8.0	34.1	34.1	96.8	96.8	7.2	7.2	8.6	15	94	94	821043	805833	<0.2	1.4						
						6.2	0.2	146	19.8	19.8	8.0	8.0	34.1	34.1	96.7	96.7	7.2	7.2	8.6	13	94	94	<0.2	1.4								
IM7	Sunny	Moderate	10:57	7.5	Surface	1.0	0.2	37	20.0	20.0	8.0	8.0	33.6	33.6	97.7	97.7	7.3	7.3	10.9	12	88	92	821327	806842	<0.2	1.4	<0.2	1.2				
						1.0																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)										
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA							
IM9	Fine	Moderate	09:59	7.8	Surface	1.0	0.1	111	19.7	19.7	8.0	8.0	32.4	32.4	96.1	96.1	7.3	7.3	10.9	7.3	15	15	86	86	88	822093	808789	<0.2	1.2	1.2									
						1.0	0.2	112	19.7	19.7	8.0	8.0	32.4	32.4	96.1	96.1	7.3	7.3	11.0	7.3	14	14	86	86				<0.2	1.2										
						3.9	0.0	215	19.7	19.7	8.0	8.0	32.4	32.4	96.3	96.4	7.3	7.3	11.3	7.3	16	16	88	88				<0.2	1.2										
					Middle	3.9	0.0	232	19.7	19.7	8.0	8.0	32.4	32.4	96.5	96.4	7.3	7.3	11.1	7.3	16	16	89	89				<0.2	1.2										
						6.8	0.0	185	19.7	19.7	8.0	8.0	32.4	32.4	97.5	97.6	7.4	7.4	13.5	7.4	16	16	91	91				<0.2	1.1										
						6.8	0.0	200	19.7	19.7	8.0	8.0	32.4	32.4	97.6	97.6	7.4	7.4	13.5	7.4	15	15	90	90				<0.2	1.2										
					IM10	Fine	Moderate	09:52	7.4	Surface	1.0	0.4	311	19.8	19.8	8.0	8.0	32.5	32.5	95.9	95.9	7.2	7.2	8.3				7.2	13		13	86	86	88	822408	809790	<0.2	1.2	1.2
											1.0	0.4	331	19.8	19.8	8.0	8.0	32.5	32.5	95.9	95.9	7.2	7.2	8.4				7.2	12		12	86	86				<0.2	1.3	
											3.7	0.4	303	19.7	19.7	8.0	8.0	32.5	32.5	95.8	95.9	7.2	7.2	10.2				7.2	11		11	88	88				<0.2	1.2	
Middle	3.7	0.5	306	19.7						19.7	8.0	8.0	32.5	32.5	95.9	95.9	7.2	7.2	10.2	7.2	10	10	89	89	<0.2	1.2													
	6.4	0.4	268	19.7						19.7	8.0	8.0	32.5	32.5	96.4	96.4	7.3	7.3	11.7	7.3	10	10	90	90	<0.2	1.2													
	6.4	0.5	269	19.7						19.7	8.0	8.0	32.5	32.5	96.4	96.4	7.3	7.3	11.8	7.3	11	11	91	91	<0.2	1.3													
IM11	Fine	Moderate	09:43	7.5						Surface	1.0	0.3	287	19.8	19.8	8.0	8.0	32.6	32.6	95.8	95.8	7.2	7.2	7.9	7.2	12	12	86	86	88	822078	811480	<0.2				1.4	1.4	
											1.0	0.3	311	19.8	19.8	8.0	8.0	32.6	32.6	95.8	95.8	7.2	7.2	7.9	7.2	13	13	86	86				<0.2				1.5		
											3.8	0.3	295	19.8	19.8	8.0	8.0	32.6	32.6	95.9	96.0	7.2	7.2	7.4	7.2	10	10	88	88				<0.2				1.4		
					Middle	3.8	0.3	303	19.8	19.8	8.0	8.0	32.6	32.6	96.0	96.0	7.2	7.2	7.9	7.2	11	11	87	87	<0.2	1.4													
						6.5	0.2	306	19.8	19.8	8.0	8.0	32.6	32.6	96.8	96.9	7.3	7.3	8.6	7.3	11	11	90	90	<0.2	1.3													
						6.5	0.2	319	19.8	19.8	8.0	8.0	32.6	32.6	96.9	96.9	7.3	7.3	7.9	7.3	11	11	90	90	<0.2	1.4													
					IM12	Fine	Moderate	09:38	7.6	Surface	1.0	0.6	275	19.7	19.7	8.0	8.0	32.8	32.8	95.2	95.2	7.2	7.2	13.6	7.2	14	14	86	86				88	821458	812055	<0.2	1.5		1.5
											1.0	0.6	290	19.7	19.7	8.0	8.0	32.8	32.8	95.2	95.2	7.2	7.2	13.6	7.2	15	15	87	87							<0.2	1.6		
											3.8	0.5	273	19.7	19.7	8.0	8.0	32.8	32.8	95.0	95.0	7.2	7.2	12.4	7.2	14	14	89	89							<0.2	1.4		
Middle	3.8	0.5	282	19.7						19.7	8.0	8.0	32.8	32.8	95.0	95.0	7.2	7.2	12.4	7.2	15	15	87	87	<0.2	1.5													
	6.6	0.5	277	19.7						19.7	8.0	8.0	32.8	32.8	96.8	96.8	7.3	7.3	11.6	7.3	17	17	90	90	<0.2	1.4													
	6.6	0.5	282	19.7						19.7	8.0	8.0	32.8	32.8	96.7	96.7	7.3	7.3	11.6	7.3	18	18	91	91	<0.2	1.5													
SR1A	Fine	Moderate	09:10	4.2						Surface	1.0	-	-	19.6	19.6	8.0	8.0	33.1	33.1	93.0	93.0	7.0	7.0	7.5	7.0	12	12	-	-	-	819974	812665				-	-	-	
											1.0	-	-	19.6	19.6	8.0	8.0	33.1	33.1	93.0	93.0	7.0	7.0	7.6	7.0	11	11	-	-										
											2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-		
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-					
						3.2	-	-	19.6	19.6	8.0	8.0	33.1	33.1	93.5	93.5	7.0	7.1	7.9	7.1	8	8	-	-	-	-													
						3.2	-	-	19.6	19.6	8.0	8.0	33.1	33.1	93.5	93.5	7.1	7.1	8.0	7.1	8	8	-	-	-	-													
					SR2	Fine	Moderate	08:43	4.5	Surface	1.0	0.1	131	19.7	19.7	8.0	8.0	32.8	32.8	95.3	95.3	7.2	7.2	15.8	7.2	21	21	86	86				88	821453	814189	<0.2	1.1		1.2
											1.0	0.1	135	19.7	19.7	8.0	8.0	32.8	32.8	95.3	95.3	7.2	7.2	15.7	7.2	23	23	86	86							<0.2	1.2		
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-		
Middle	3.5	0.1	131	19.6						19.6	8.0	8.0	32.8	32.8	96.0	96.1	7.2	7.2	19.6	7.2	19	19	89	89	<0.2	1.1													
	3.5	0.1	141	19.6						19.6	8.0	8.0	32.8	32.8	96.2	96.2	7.3	7.3	19.6	7.3	19	19	90	90	<0.2	1.2													
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
SR3	Fine	Moderate	10:09	8.4						Surface	1.0	0.1	340	20.0	20.0	8.0	8.0	31.7	31.7	95.2	95.2	7.2	7.2	6.6	7.2	6	6	-	-	-	822159	807582				-	-	-	
											1.0	0.1	313	20.0	20.0	8.0	8.0	31.7	31.7	95.2	95.2	7.2	7.2	6.7	7.2	8	8	-	-										
											4.2	0.3	36	19.8	19.8	8.0	8.0	32.1	32.1	95.1	95.1	7.2	7.2	8.1	7.2	7	7	-	-										
					Middle	4.2	0.3	39	19.8	19.8	8.0	8.0	32.2	32.1	95.1	95.1	7.2	7.2	8.7	7.2	8	8	-	-															
						7.4	0.3	51	19.7	19.7	8.0	8.0	32.6	32.6	95.2	95.2	7.2	7.2	15.9	7.2	6	6	-	-															
						7.4	0.3	54	19.7	19.7	8.0	8.0	32.6	32.6	95.2	95.2	7.2	7.2	15.9	7.2	7	7	-	-															
					SR4A	Sunny	Calm	09:24	8.4	Surface	1.0	0.1	82	19.7	19.7	8.0	8.0	34.3	34.3	96.8	96.8	7.2	7.2	5.4	7.2	12	12	-	-				-	817183	807811	-	-		-
											1.0	0.2	89	19.7	19.7	8.0	8.0	34.3	34.3	96.8	96.8	7.2	7.2	5.5	7.2	12	12	-	-										
											4.2	0.2	69	19.7	19.7	8.0	8.0	34.3	34.3	96.2	96.2	7.2	7.2	6.4	7.2	13	13	-	-										
Middle	4.2	0.2	75	19.7						19.7	8.0	8.0	34.3	34.3	96.1	96.2	7.2	7.2	6.5	7.2	12	12	-	-															
	7.4	0.1	75	19.7						19.7	8.1	8.1	34.3	34.3	95.1	95.1	7.1	7.1	7.7	7.1	16	16	-	-															
	7.4	0.2	79	19.7						19.7	8.1	8.1	34.3	34.3	95.1	95.1	7.1	7.1	7.7	7.1	17	17	-	-															
SR5A	Sunny	Calm	09:05	5.5						Surface	1.0	0.1	263	19.7	19.7	8.1	8.1	34.4	34.4	95.9	95.9	7.2	7.2	5.2	7.2	14	14	-	-	-	816603	810672				-	-	-	
											1.0	0.1	285	19.7	19.7	8.1	8.1	34.4	34.4	95.9	95.9	7.2	7.2	5.2	7.2	16	16	-	-										
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
						4.5	0.1	306	19.6	19.6	8.1	8.1	34.4	34.4	95.8	95.8	7.2	7.2	8.8	7.2	14	14	-	-															
						4.5	0.1	336	19.6	19.6	8.1	8.1	34.4	34.4	95.7	95.7	7.2	7.2	8.9	7.2	16	16	-	-															
					SR6A	Sunny	Calm	08:36	4.2	Surface	1.0	0.1	223	19.7	19.7	8.0	8.0	34.4	34.4	94.1	94.1	7.0	7.0	4.5	7.0	10	10	-	-				-	817966	814757	-	-		-
											1.0	0.1	239	19.7	19.7	8.0	8.0	34.4	34.4	94.1	94.1	7.0	7.0	4.5	7.0														

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

Water Quality Monitoring Results on 17 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	16:28	8.2	Surface	1.0	0.3	121	20.2	20.2	8.0	8.0	32.1	32.1	96.0	96.0	7.2	7.2	10.0	12.7	12	13	86	85	88	88	88	88	<0.2	2.2	2.2	1.9				
						1.0	0.3	113	20.2	20.2	8.0	8.0	32.1	32.1	96.0	96.0	7.2	7.2	10.0	13	13	85	85	85	85	85	85	<0.2	2.3	2.3	1.9					
					Middle	4.1	0.3	128	20.1	20.1	8.1	8.1	32.5	32.5	95.3	95.3	7.1	7.1	15.1	12	12	88	13	13	88	88	88	88	88	88	<0.2	1.8	1.8	1.9		
						4.1	0.3	129	20.1	20.1	8.1	8.1	32.5	32.5	95.3	95.3	7.1	7.1	15.1	12	12	88	13	13	88	88	88	88	88	88	<0.2	1.7	1.7	1.9		
					Bottom	7.2	0.2	137	20.0	20.0	8.1	8.1	33.2	33.2	95.2	95.2	7.1	7.1	13.0	6	6	90	13	13	90	90	90	90	90	90	90	<0.2	1.8	1.8	1.9	
						7.2	0.2	145	20.0	20.0	8.1	8.1	33.2	33.2	95.2	95.2	7.1	7.1	13.0	6	6	90	13	13	90	90	90	90	90	90	<0.2	1.8	1.8	1.9		
C2	Fine	Moderate	15:12	10.9	Surface	1.0	0.1	142	20.2	20.2	8.1	8.1	29.6	29.6	90.3	90.3	6.9	6.9	6.9	9.6	7	6	89	88	92	92	92	92	<0.2	1.8	1.8	1.9				
						1.0	0.1	154	20.2	20.2	8.1	8.1	29.6	29.6	90.2	90.2	6.9	6.9	7.1	6	6	88	13	13	88	88	88	88	88	88	<0.2	1.8	1.8	1.9		
					Middle	5.5	0.3	144	20.2	20.2	8.1	8.1	30.0	30.0	89.9	89.9	6.8	6.8	8.4	6	6	92	6	6	92	92	92	92	92	92	92	<0.2	1.9	1.9	1.9	
						5.5	0.3	157	20.2	20.2	8.1	8.1	30.0	30.0	89.8	89.8	6.8	6.8	8.5	6	6	93	6	6	93	93	93	93	93	93	<0.2	1.8	1.8	1.9		
					Bottom	9.9	0.3	142	20.2	20.2	8.1	8.1	30.9	30.9	89.2	89.2	6.7	6.7	13.3	6	6	94	6	6	94	94	94	94	94	94	94	<0.2	2.0	2.0	1.9	
						9.9	0.3	134	20.2	20.2	8.1	8.1	30.9	30.9	89.3	89.3	6.7	6.7	13.3	6	6	94	6	6	94	94	94	94	94	94	<0.2	1.9	1.9	1.9		
C3	Fine	Moderate	17:21	12.0	Surface	1.0	0.2	122	20.2	20.2	8.2	8.2	32.0	32.0	90.5	90.4	6.8	6.8	5.3	8.9	8	7	86	87	90	90	90	90	<0.2	2.5	2.5	2.5				
						1.0	0.2	142	20.2	20.2	8.2	8.2	32.1	32.0	90.3	90.3	6.8	6.8	5.9	9	9	87	15	15	87	87	87	87	87	<0.2	2.5	2.5	2.5			
					Middle	6.0	0.2	134	20.1	20.1	8.2	8.2	32.3	32.3	89.3	89.3	6.7	6.7	10.6	6	6	90	5	5	90	90	90	90	90	90	<0.2	2.6	2.6	2.5		
						6.0	0.2	141	20.1	20.1	8.2	8.2	32.3	32.3	89.3	89.3	6.7	6.7	10.7	5	5	90	6	6	90	90	90	90	90	90	<0.2	2.5	2.5	2.5		
					Bottom	11.0	0.2	141	20.1	20.1	8.2	8.2	32.3	32.2	90.3	90.5	6.8	6.8	10.2	6	6	93	5	5	93	93	93	93	93	93	<0.2	2.6	2.6	2.5		
						11.0	0.2	144	20.1	20.1	8.2	8.2	32.2	32.2	90.7	90.7	6.8	6.8	10.6	5	5	93	5	5	93	93	93	93	93	93	<0.2	2.5	2.5	2.5		
IM1	Fine	Moderate	16:05	4.8	Surface	1.0	0.1	109	20.4	20.4	8.1	8.1	33.2	33.2	95.0	95.0	7.1	7.1	6.8	7.3	13	15	86	87	89	89	89	89	<0.2	1.4	1.4	1.5				
						1.0	0.1	118	20.4	20.4	8.1	8.1	33.2	33.2	95.0	95.0	7.1	7.1	6.8	15	15	87	15	15	87	87	87	87	87	<0.2	1.4	1.4	1.5			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.2	187	20.3	20.3	8.1	8.1	33.3	33.3	96.0	96.0	7.1	7.1	7.8	12	12	90	13	13	91	91	91	91	91	91	91	<0.2	1.6	1.6	1.4	
						3.8	0.2	169	20.3	20.3	8.1	8.1	33.3	33.3	96.0	96.0	7.1	7.1	7.8	13	13	91	13	13	91	91	91	91	91	91	91	<0.2	1.4	1.4	1.4	
IM2	Fine	Moderate	15:59	6.9	Surface	1.0	0.2	208	20.1	20.1	8.0	8.0	32.7	32.7	95.1	95.1	7.1	7.1	10.0	11.8	14	15	86	86	89	89	89	89	<0.2	1.6	1.6	1.5				
						1.0	0.2	209	20.1	20.1	8.0	8.0	32.7	32.7	95.1	95.1	7.1	7.1	10.0	12	12	86	15	15	86	86	86	86	86	<0.2	1.4	1.4	1.5			
					Middle	3.5	0.2	196	20.1	20.1	8.0	8.0	32.9	32.9	95.2	95.2	7.1	7.1	13.4	6	6	88	13	13	88	88	88	88	88	88	<0.2	1.6	1.6	1.5		
						3.5	0.2	196	20.1	20.1	8.0	8.0	32.9	32.9	95.2	95.2	7.1	7.1	13.4	15	15	89	15	15	89	89	89	89	89	89	<0.2	1.5	1.5	1.5		
					Bottom	5.9	0.2	193	20.1	20.1	8.1	8.1	33.1	33.1	95.3	95.3	7.1	7.1	12.1	16	16	90	18	18	92	92	92	92	92	92	<0.2	1.4	1.4	1.4		
						5.9	0.2	188	20.1	20.1	8.1	8.1	33.1	33.1	95.3	95.3	7.1	7.1	12.1	18	18	92	18	18	92	92	92	92	92	92	<0.2	1.6	1.6	1.5		
IM3	Fine	Moderate	15:52	7.0	Surface	1.0	0.3	198	20.3	20.3	8.0	8.0	32.1	32.1	94.5	94.5	7.1	7.1	8.3	11.6	10	9	85	86	89	89	89	89	<0.2	1.5	1.5	1.5				
						1.0	0.3	184	20.3	20.3	8.0	8.0	32.1	32.1	94.5	94.5	7.1	7.1	8.3	10	10	86	10	10	86	86	86	86	86	<0.2	1.5	1.5	1.5			
					Middle	3.5	0.3	182	20.1	20.1	8.0	8.0	33.0	33.0	94.3	94.3	7.0	7.0	14.6	6	6	89	8	8	89	89	89	89	89	89	<0.2	1.5	1.5	1.5		
						3.5	0.3	193	20.1	20.1	8.0	8.0	33.0	33.0	94.3	94.3	7.0	7.0	14.6	8	8	89	8	8	89	89	89	89	89	89	<0.2	1.5	1.5	1.5		
					Bottom	6.0	0.2	199	20.1	20.1	8.1	8.1	33.1	33.1	95.2	95.2	7.1	7.1	12.0	8	8	90	7	7	90	90	90	90	90	90	<0.2	1.5	1.5	1.5		
						6.0	0.3	193	20.1	20.1	8.1	8.1	33.1	33.1	95.2	95.2	7.1	7.1	12.0	7	7	90	7	7	90	90	90	90	90	90	<0.2	1.7	1.7	1.5		
IM4	Fine	Moderate	15:42	7.4	Surface	1.0	0.4	183	20.2	20.2	8.0	8.0	31.9	31.9	94.9	94.9	7.1	7.1	7.2	8.2	8	8	86	85	89	89	89	89	<0.2	1.6	1.6	1.6				
						1.0	0.5	183	20.2	20.2	8.0	8.0	31.9	31.9	94.9	94.9	7.1	7.1	7.2	6	6	85	7	7	85	85	85	85	85	<0.2	1.6	1.6	1.6			
					Middle	3.7	0.4	172	20.1	20.1	8.1	8.1	32.3	32.3	94.6	94.6	7.1	7.1	8.9	7	7	88	9	9	88	88	88	88	88	88	<0.2	1.6	1.6	1.6		
						3.7	0.4	175	20.1	20.1	8.1	8.1	32.3	32.3	94.6	94.6	7.1	7.1	8.9	7	7	89	9	9	89	89	89	89	89	89	<0.2	1.5	1.5	1.6		
					Bottom	6.4	0.4	184	20.1	20.1	8.1	8.1	32.9	32.9	96.1	96.1	7.2	7.2	8.6	9	9	91	8	8	91	91	91	91	91	91	<0.2	1.6	1.6	1.6		
						6.4	0.4	195	20.1	20.1	8.1	8.1	32.9	32.9	96.1	96.1	7.2	7.2	8.6	8	8	92	8	8	92	92	92	92	92	92	<0.2	1.6	1.6	1.6		
IM5	Fine	Moderate	15:32	6.9	Surface	1.0	0.7	202	20.3	20.3	7.9	7.9	32.9	32.9	97.4	97.4	7.3	7.3	6.9	6.4	14	15														

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

Water Quality Monitoring Results on 17 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	11:42	8.2	Surface	1.0	0.6	6	20.1	20.1	7.9	7.9	32.6	32.6	95.8	95.8	7.2	18.7	11	86	88	815612	804243	<0.2	1.3	<0.2	1.5					
						1.0	0.6	6	20.1	20.1	7.9	7.9	32.6	32.6	95.8	95.8	7.2	18.8	12	85	88											
					Middle	4.1	0.6	356	20.0	20.0	8.0	8.0	33.0	33.0	95.3	95.3	7.1	19.1	11	87	88											
						4.1	0.6	356	20.0	20.0	8.0	8.0	33.0	33.0	95.3	95.3	7.1	19.1	11	87	88											
					Bottom	7.2	0.4	348	20.0	20.0	8.0	8.0	33.0	33.0	96.0	96.0	7.2	17.1	10	89	89											
						7.2	0.4	357	20.0	20.0	8.0	8.0	33.0	33.0	96.0	96.0	7.2	17.1	10	89	89											
C2	Fine	Moderate	12:25	10.8	Surface	1.0	0.1	53	20.3	20.3	8.1	8.1	29.6	29.6	90.9	90.9	6.9	6.9	9	86	88	825691	806939	<0.2	1.6	<0.2	1.6					
						1.0	0.1	54	20.3	20.3	8.1	8.1	29.7	29.7	90.8	90.8	6.9	7.1	10	87	88											
					Middle	5.4	0.2	57	20.2	20.2	8.1	8.1	29.9	29.9	90.7	90.7	6.9	8.5	8	90	90											
						5.4	0.2	61	20.2	20.2	8.1	8.1	30.0	30.0	90.7	90.7	6.9	8.6	8	90	90											
					Bottom	9.8	0.2	56	20.2	20.2	8.1	8.1	30.8	30.7	91.6	91.8	6.9	11.4	6	91	91											
						9.8	0.2	56	20.2	20.2	8.1	8.1	30.7	30.7	91.9	91.9	7.0	11.0	7	91	91											
C3	Fine	Moderate	10:34	10.4	Surface	1.0	0.2	210	20.0	20.0	8.2	8.2	31.4	31.4	92.6	92.6	7.0	9.1	11	84	88	822108	817809	<0.2	2.2	<0.2	2.1					
						1.0	0.2	219	20.0	20.0	8.2	8.2	31.4	31.4	92.6	92.6	7.0	9.0	12	85	88											
					Middle	5.2	0.1	211	20.0	20.0	8.2	8.2	31.6	31.6	92.7	92.7	7.0	11.5	11	90	90											
						5.2	0.1	230	20.0	20.0	8.2	8.2	31.6	31.6	92.7	92.7	7.0	11.3	12	89	89											
					Bottom	9.4	0.0	242	20.0	20.0	8.2	8.2	31.6	31.6	93.2	93.3	7.0	10.5	12	93	93											
						9.4	0.0	262	20.0	20.0	8.2	8.2	31.6	31.6	93.4	93.4	7.1	10.1	11	93	93											
IM1	Fine	Moderate	12:06	4.2	Surface	1.0	0.4	352	20.2	20.2	8.1	8.1	33.3	33.3	95.6	95.6	7.1	11.0	10	86	88	817955	807115	<0.2	1.4	<0.2	1.4					
						1.0	0.4	324	20.2	20.2	8.1	8.1	33.3	33.3	95.6	95.6	7.1	11.0	9	86	88											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	3.2	0.3	316	20.3	20.3	8.1	8.1	33.3	33.3	98.7	98.8	7.3	13.5	10	90	90											
						3.2	0.3	321	20.3	20.3	8.1	8.1	33.3	33.3	98.9	98.9	7.4	13.5	11	90	90											
IM2	Fine	Moderate	12:13	7.1	Surface	1.0	0.3	22	20.3	20.3	8.0	8.0	33.2	33.2	93.1	93.1	6.9	8.6	28	85	88	818176	806170	<0.2	2.4	<0.2	2.3					
						1.0	0.3	24	20.3	20.3	8.0	8.0	33.2	33.2	93.1	93.1	6.9	8.6	10	86	88											
					Middle	3.6	0.3	354	20.2	20.2	8.0	8.0	33.2	33.2	93.1	93.1	6.9	19.3	10	88	88											
						3.6	0.3	326	20.2	20.2	8.0	8.0	33.2	33.2	93.1	93.1	6.9	19.3	27	89	89											
					Bottom	6.1	0.3	353	20.2	20.2	8.1	8.1	33.2	33.2	92.8	92.8	6.9	16.4	28	90	90											
						6.1	0.3	325	20.2	20.2	8.1	8.1	33.2	33.2	92.8	92.8	6.9	16.4	28	91	91											
IM3	Fine	Moderate	12:19	7.3	Surface	1.0	0.3	22	20.1	20.1	8.0	8.0	32.9	32.9	95.3	95.3	7.1	8.8	15	86	88	818776	805605	<0.2	2.3	<0.2	2.2					
						1.0	0.3	23	20.1	20.1	8.0	8.0	32.9	32.9	95.3	95.3	7.1	8.8	29	86	88											
					Middle	3.7	0.2	21	20.1	20.1	8.1	8.1	33.1	33.1	95.7	95.7	7.2	10.6	14	88	88											
						3.7	0.2	21	20.1	20.1	8.1	8.1	33.1	33.1	95.7	95.7	7.1	10.6	14	88	88											
					Bottom	6.3	0.2	22	20.1	20.1	8.1	8.1	33.2	33.2	95.1	95.1	7.1	9.2	12	90	90											
						6.3	0.2	23	20.1	20.1	8.1	8.1	33.2	33.2	95.1	95.1	7.1	9.2	13	90	90											
IM4	Fine	Moderate	12:27	7.5	Surface	1.0	0.4	45	20.2	20.2	8.1	8.1	32.9	32.9	96.1	96.1	7.2	8.1	9	86	88	819723	804592	<0.2	2.0	<0.2	2.0					
						1.0	0.4	47	20.2	20.2	8.1	8.1	32.9	32.9	96.1	96.1	7.2	8.1	9	85	88											
					Middle	3.8	0.4	39	20.1	20.1	8.1	8.1	33.1	33.1	96.6	96.6	7.2	9.0	15	87	88											
						3.8	0.4	41	20.1	20.1	8.1	8.1	33.1	33.1	96.6	96.6	7.2	9.0	14	89	89											
					Bottom	6.5	0.3	20	20.1	20.1	8.2	8.2	33.1	33.1	97.7	97.7	7.3	10.9	17	90	90											
						6.5	0.3	20	20.1	20.1	8.2	8.2	33.1	33.1	97.7	97.7	7.3	10.9	16	90	90											
IM5	Fine	Moderate	12:34	7.6	Surface	1.0	0.4	75	20.1	20.1	8.1	8.1	33.2	33.2	96.4	96.5	7.2	8.0	13	86	88	820721	804867	<0.2	2.1	<0.2	2.1					
						1.0	0.4	75	20.1	20.1	8.1	8.1	33.2	33.2	96.5	96.5	7.2	8.0	13	87	88											
					Middle	3.8	0.3	78	20.1	20.1	8.1	8.1	33.2	33.2	97.0	97.0	7.2	8.4	14	88	88											
						3.8	0.3	84	20.1	20.1	8.1	8.1	33.2	33.2	97.0	97.0	7.2	8.4	13	87	88											
					Bottom	6.6	0.3	83	20.1	20.1	8.2	8.2	33.2	33.2	98.0	98.0	7.3	8.5	11	91	91											
						6.6	0.3	88	20.1	20.1	8.2	8.2	33.2	33.2	98.0	98.0	7.3	8.5	12	90	90											
IM6	Fine	Moderate	12:42	7.3	Surface	1.0	0.1	152	20.2	20.2	8.0	8.0	32.2	32.2	95.1	95.1	7.1	13.2	16	85	88	821039	805807	<0.2	2.1	<0.2	2.1					
						1.0	0.1	161	20.2	20.2	8.0	8.0	32.2	32.2	95.1	95.1	7.1	13.2	14	86	88											
					Middle	3.7	0.1	152	20.2	20.2	8.1	8.1	32.4	32.4	96.4	96.4	7.2	14.8	16	89	89											
						3.7	0.1	158	20.2	20.2	8.1	8.1	32.4	32.4	96.4	96.4	7.2	14.8	15	88	88											
					Bottom	6.3	0.1	148	20.1	20.1	8.1	8.1	32.7	32.7	96.6	96.6	7.2	15.4	14	91	91											
						6.3	0.1	161	20.1	20.1	8.1	8.1	32.7	32.7	96.6	96.6	7.2	15.4	16	90	90											
IM7	Fine	Moderate	12:49	7.0	Surface	1.0	0.0	316	20.3	20.3	8.0	8.0	31.1	31.1	94.1	94.1	7.1	7.0	29	86	88	821338	806854	<0.2	2.3	<0.2	2.3					
						1.0	0.0	333	20.3	20.3	8.0	8.0	31.1	31.1	94.1	94.1	7.1	7.0	16	86	88											
					Middle	3.5	0.0	300	20.3	20.3	8.1	8.1	31.1	31.1	94.7	94.7	7.1	7.2	14	89	89											
						3.5	0.0	321	20.3	20.3	8.1	8.1	31.1	31.1	94.7	94.7	7.1	7.2	31	89	89											
					Bottom	6.0	0.0	298	20.3	20.3	8.1	8.1	31.1	31.1	95.8	95.8	7.2	8.3	32	90	90											
						6.0	0.0	324	20.3	20.3	8.1	8.1	31.1	31.1	95.8	95.8	7.2	8.3	32	91	91											
IM8	Fine	Moderate	12:00	7.2	Surface	1.0	0.1	13	20.2	20.2	8.1	8.1	30.0	30.0	91.4	91.4	6.9	8.0	10	84	88	821853	808121	<0.2	2.3	<0.2	2.1					
						1.0	0.1	13	20.2	20.2	8.1	8.1	30.0	30.0	91.4	91.4	6.9	8.1	10	85	88											
					Middle	3.6	0.2	20	20.2	20.2	8.1	8.1	30.0	30.0	91.3	91.3	6.9	8.9	10	90	90											
						3.6	0.2	21	20.2	20.2	8.1	8.1	30.0	30.0	91.3	91.3	6.9	9.1	11	91	91											
					Bottom	6.2	0.1	7</																								

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

Water Quality Monitoring Results on 17 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	11:56	6.8	Surface	1.0	0.4	299	20.2	20.2	8.1	8.1	30.0	30.0	91.5	91.5	6.9	7.1	9	85	89	822087	808804	<0.2	2.1	<0.2	2.0					
						1.0	0.5	302	20.2	8.1	8.1	30.0	30.0	91.5	91.5	6.9	7.2	10	86	9	86	<0.2	2.1									
						3.4	0.5	307	20.2	20.2	8.1	8.1	30.1	30.1	91.5	91.5	6.9	9.6	9	89	9	90	<0.2	2.0								
					3.4	0.5	319	20.2	8.1	8.1	30.1	30.1	91.5	91.5	6.9	9.7	9	90	9	90	<0.2	2.0										
					5.8	0.4	281	20.2	20.2	8.1	8.1	30.1	30.1	92.1	92.2	7.0	9.5	10	93	9	93	<0.2	2.0									
					5.8	0.4	307	20.2	8.1	8.1	30.1	30.1	92.2	92.2	7.0	9.7	9	93	9	93	<0.2	2.0										
IM10	Fine	Moderate	11:49	6.8	Surface	1.0	0.4	268	20.2	20.2	8.1	8.1	30.1	30.1	91.1	91.1	6.9	7.6	11	85	90	822394	809778	<0.2	2.2	<0.2	2.0					
						1.0	0.5	283	20.2	8.1	8.1	30.1	30.1	91.1	91.1	6.9	7.6	10	86	10	86	<0.2	2.2									
						3.4	0.2	283	20.2	20.2	8.1	8.1	30.1	30.1	91.2	91.2	6.9	7.7	10	89	10	90	<0.2	1.8								
					3.4	0.2	289	20.2	8.1	8.1	30.1	30.1	91.2	91.2	6.9	7.7	9	90	9	90	<0.2	1.9										
					5.8	0.4	268	20.2	20.2	8.1	8.1	30.1	30.1	91.5	91.6	7.0	9.1	8	94	8	94	<0.2	1.8									
					5.8	0.4	268	20.2	8.1	8.1	30.1	30.1	91.6	91.6	7.0	8.4	12	93	12	93	<0.2	1.9										
IM11	Fine	Moderate	11:40	7.4	Surface	1.0	0.4	309	20.2	20.2	8.1	8.1	30.0	30.0	91.9	92.0	7.0	10.2	12	84	89	822080	811453	<0.2	2.1	<0.2	2.0					
						1.0	0.4	337	20.2	8.1	8.1	30.0	30.0	92.0	92.0	7.0	10.1	13	85	13	89	<0.2	2.1									
						3.7	0.5	308	20.2	20.2	8.1	8.1	30.0	30.0	92.4	92.5	7.0	9.6	18	89	17	89	<0.2	2.0								
					3.7	0.5	330	20.2	8.1	8.1	30.0	30.0	92.5	92.5	7.0	9.6	17	89	17	89	<0.2	2.0										
					6.4	0.5	325	20.1	20.1	8.1	8.1	30.0	30.0	93.5	93.5	7.1	10.8	18	94	18	94	<0.2	2.0									
					6.4	0.5	341	20.1	20.1	8.1	8.1	30.0	30.0	93.7	93.7	7.1	11.7	18	93	18	93	<0.2	2.0									
IM12	Fine	Moderate	11:35	7.3	Surface	1.0	0.3	259	20.1	20.1	8.1	8.1	30.3	30.3	92.2	92.2	7.0	10.8	12	86	90	821472	812038	<0.2	2.2	<0.2	2.1					
						1.0	0.3	263	20.1	8.2	8.2	30.4	30.4	92.2	92.2	7.0	11.0	14	87	14	87	<0.2	2.0									
						3.7	0.2	287	20.0	8.2	8.2	31.0	31.1	92.9	93.0	7.0	13.0	12	90	12	90	<0.2	2.0									
					3.7	0.2	295	20.0	8.2	8.2	31.1	31.1	93.0	93.0	7.0	13.0	11	91	11	91	<0.2	2.1										
					6.3	0.2	293	20.0	8.2	8.2	31.5	31.5	93.4	93.4	7.1	13.0	12	91	12	91	<0.2	2.1										
					6.3	0.2	304	20.0	8.2	8.2	31.5	31.5	93.4	93.4	7.1	13.0	12	92	12	92	<0.2	2.2										
SR1A	Fine	Moderate	11:02	4.3	Surface	1.0	-	-	20.0	20.1	8.2	8.1	32.0	31.3	91.9	91.9	6.9	9.0	9	-	-	819982	812656	-	-	-	-					
						1.0	-	-	20.1	8.1	8.1	30.6	31.3	91.8	91.8	7.0	8.2	10	-	-	-	-										
						2.2	-	-	-	-	-	-	-	-	-	7.0	-	8.7	10	-	-	-	-									
					2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					3.3	-	-	20.0	8.1	8.1	30.9	31.0	91.8	92.0	7.0	9.3	11	-	-	-	-											
					3.3	-	-	20.0	8.1	8.1	31.1	31.0	92.1	92.0	7.0	8.4	10	-	-	-	-											
SR2	Fine	Moderate	10:54	4.4	Surface	1.0	0.0	341	20.0	20.0	8.2	8.2	31.0	31.0	92.8	92.8	7.0	8.3	10	86	90	821474	814169	<0.2	1.9	<0.2	2.1					
						1.0	0.0	357	20.0	8.2	8.2	31.0	31.0	92.8	92.8	7.0	8.6	11	87	11	87	<0.2	2.1									
						-	-	-	-	-	-	-	-	-	-	7.0	-	9.4	11	-	-	-	-									
					3.4	0.1	292	20.0	20.0	8.2	8.2	31.4	31.4	93.8	93.9	7.1	10.5	11	92	11	92	<0.2	2.1									
					3.4	0.1	310	20.0	8.2	8.2	31.4	31.4	94.0	93.9	7.1	10.3	11	93	11	93	<0.2	2.1										
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
SR3	Fine	Moderate	12:05	8.0	Surface	1.0	0.4	249	20.2	20.2	8.1	8.1	30.0	30.0	90.9	90.9	6.9	8.5	10	-	-	822168	807577	-	-	-	-					
						1.0	0.4	265	20.2	8.1	8.1	30.0	30.0	90.9	90.9	6.9	8.6	11	-	-	-	-										
						4.0	0.4	253	20.2	20.2	8.1	8.1	30.1	30.1	90.7	90.7	6.9	11.5	10	-	-	-	-									
					4.0	0.4	274	20.2	8.1	8.1	30.1	30.1	90.7	90.7	6.9	11.7	10	-	-	-	-											
					7.0	0.4	259	20.2	20.2	8.1	8.1	30.1	30.1	91.4	91.5	6.9	14.9	10	-	-	-	-										
					7.0	0.4	271	20.2	8.1	8.1	30.1	30.1	91.5	91.5	7.0	15.0	11	-	-	-	-											
SR4A	Fine	Moderate	11:15	8.6	Surface	1.0	0.8	8	20.2	20.2	8.1	8.1	33.4	33.4	93.9	93.9	7.0	18.1	31	-	-	817194	807799	-	-	-	-					
						1.0	0.8	8	20.2	8.1	8.1	33.4	33.4	93.9	93.9	7.0	18.1	27	-	-	-	-										
						4.3	0.7	8	20.2	8.1	8.1	33.4	33.4	93.8	93.8	7.0	17.1	23	-	-	-	-										
					4.3	0.8	8	20.2	8.1	8.1	33.4	33.4	93.8	93.8	7.0	17.1	24	-	-	-	-											
					7.6	0.6	8	20.2	8.1	8.1	33.4	33.4	93.9	93.9	7.0	18.7	24	-	-	-	-											
					7.6	0.6	8	20.2	8.1	8.1	33.4	33.4	93.9	93.9	7.0	18.7	24	-	-	-	-											
SR5A	Fine	Moderate	11:00	4.5	Surface	1.0	0.4	63	20.1	20.1	8.2	8.2	33.4	33.4	95.3	95.3	7.1	11.7	30	-	-	816573	810689	-	-	-	-					
						1.0	0.4	67	20.1	8.2	8.2	33.4	33.4	95.3	95.3	7.1	11.7	32	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	7.1	-	15.6	30	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	30	-	-	-	-										
					3.5	0.3	57	20.1	20.1	8.2	8.2	33.4	33.4	96.2	96.2	7.2	19.5	28	-	-	-	-										
					3.5	0.4	62	20.1	8.2	8.2	33.4	33.4	96.2	96.2	7.2	19.5	30	-	-	-	-											
SR6A	Fine	Moderate	10:34	4.0	Surface	1.0	0.1	295	20.2	20.2	8.0	8.0	33.5	33.5	92.3	92.3	6.9	3.2	5	-	-	817965	814720	-	-	-	-					
						1.0	0.1	302	20.2	8.0	8.0	33.5	33.5	92.3	92.3	6.9	3.2	4	-	-	-	-										
						-	-	-	-	-	-	-	-	-	-	6.9	-	3.6	5	-	-	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-										
					3.0	0.1	320	20.2	20.2	8.0	8.0	33.6	33.6	93.8	93.8	7.0	3.9	6	-	-	-	-										
					3.0	0.1	327	20.2	8.0	8.0	33.6	33.6	93.8	93.8	7.0	3.9	6	-	-	-	-											
SR7	Fine	Moderate	10:02	15.0	Surface	1.0	0.3	218	20.0	20.0	8.1	8.1	32.0	32.0	91.3	91.3	6.9	7.4	13	-	-	823619	823749	-	-	-	-					
						1.0	0.3	230	20.0	8.1	8.1	32.0	32.0	91.3	91.3	6.9	7.5	14	-	-	-	-										
						7.5	0.2	222	20.0	20.0	8.1	8.1	32.0	32.0	90.9	90.9	6.8	9.3	14	-	-	-	-									
					7.5	0.2	237	20.0	8.1	8.1	32.0	32.0	90.9	90.9	6.8	9.3	13	-	-	-	-											
					14.0	0.2	312	20.0	20.0	8.1	8.1	32.0	32.0	90.9	90.9	6.8	9.4	14	-</													

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

Water Quality Monitoring Results on 19 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	05:43	7.3	Surface	1.0	0.2	221	20.6	20.6	7.9	7.9	31.8	31.8	95.6	95.8	7.1	7.1	4.7	6.3	15	13	86	88	815627	804231	<0.2	2.7	<0.2	2.6		
						3.0	0.2	227	20.6	20.6	7.9	7.9	31.8	31.8	95.9	95.8	7.2	7.1	4.8	6.3	16	13	86	88	815627	804231	<0.2	2.4	<0.2	2.3		
						3.7	0.3	205	20.5	20.5	7.9	7.9	32.0	32.0	94.5	94.5	7.1	7.1	6.0	6.3	12	10	88	88	815627	804231	<0.2	2.4	<0.2	2.3		
					Bottom	6.3	0.2	235	20.3	20.3	8.0	8.0	32.5	32.5	92.7	92.8	6.9	6.9	6.1	6.9	11	11	88	88	815627	804231	<0.2	2.4	<0.2	2.4		
						6.3	0.2	254	20.3	20.3	8.0	8.0	32.5	32.5	92.8	92.8	6.9	6.9	6.1	6.9	11	11	88	88	815627	804231	<0.2	2.4	<0.2	2.4		
						1.0	0.9	150	20.9	20.9	8.1	8.1	28.3	28.3	90.8	90.8	6.9	6.9	3.7	6.2	8	8	83	84	825681	806935	<0.2	2.4	<0.2	2.2		
C2	Cloudy	Moderate	07:12	11.1	Surface	1.0	0.9	160	20.9	20.9	8.1	8.1	28.3	28.3	90.8	90.8	6.9	6.8	3.7	6.2	9	8	84	88	825681	806935	<0.2	2.8	<0.2	2.8		
						5.6	0.4	168	20.6	20.6	8.1	8.1	29.9	29.9	88.4	88.4	6.7	6.7	6.5	6.7	8	8	87	88	825681	806935	<0.2	2.8	<0.2	3.0		
						5.6	0.4	168	20.6	20.6	8.1	8.1	29.9	29.9	88.4	88.3	6.7	6.7	7.0	6.7	8	8	88	89	825681	806935	<0.2	2.8	<0.2	2.8		
					Bottom	10.1	0.3	174	20.5	20.5	8.1	8.1	29.9	29.9	88.3	88.3	6.7	6.7	7.9	6.8	8	8	89	89	825681	806935	<0.2	2.8	<0.2	2.8		
						10.1	0.3	177	20.5	20.5	8.1	8.1	29.9	29.9	88.3	88.3	6.7	6.7	8.2	6.8	8	8	89	89	825681	806935	<0.2	2.8	<0.2	2.8		
						1.0	0.2	190	20.5	20.5	8.1	8.1	31.3	31.3	90.3	90.3	6.8	6.8	5.4	6.1	10	10	87	87	822121	817806	<0.2	2.1	<0.2	2.2		
C3	Cloudy	Moderate	05:15	11.4	Surface	1.0	0.2	204	20.5	20.5	8.1	8.1	31.3	31.3	90.2	90.0	6.8	6.8	5.5	6.1	9	10	87	87	822121	817806	<0.2	2.1	<0.2	2.1		
						5.7	0.2	37	20.5	20.5	8.1	8.1	31.4	31.4	90.0	90.0	6.7	6.7	6.3	6.1	11	10	87	87	822121	817806	<0.2	2.1	<0.2	2.1		
						5.7	0.2	40	20.5	20.5	8.1	8.1	31.4	31.4	90.0	90.0	6.7	6.7	6.4	6.1	10	10	87	87	822121	817806	<0.2	2.1	<0.2	2.0		
					Bottom	10.4	0.1	156	20.5	20.5	8.1	8.1	31.4	31.4	89.9	90.0	6.7	6.8	6.5	6.8	11	10	89	90	822121	817806	<0.2	2.1	<0.2	2.1		
						10.4	0.1	158	20.5	20.5	8.1	8.1	31.4	31.4	90.1	90.0	6.8	6.8	6.8	6.8	10	10	90	90	822121	817806	<0.2	2.1	<0.2	2.1		
						1.0	0.1	99	20.6	20.6	7.9	7.9	31.9	31.9	93.4	93.5	7.0	7.0	4.8	6.3	12	11	87	88	817925	807129	<0.2	1.9	<0.2	1.9		
IM1	Cloudy	Moderate	06:08	4.1	Surface	1.0	0.1	101	20.6	20.6	7.9	7.9	31.9	31.9	93.6	93.6	7.0	7.0	4.9	6.3	11	11	88	88	817925	807129	<0.2	1.9	<0.2	1.9		
						3.1	0.1	174	20.4	20.4	8.0	8.0	32.4	32.4	92.6	92.6	6.9	6.9	7.7	6.3	11	11	89	89	817925	807129	<0.2	1.6	<0.2	1.6		
						3.1	0.1	177	20.4	20.4	8.0	8.0	32.4	32.4	92.6	92.6	6.9	6.9	7.7	6.3	10	10	90	90	817925	807129	<0.2	1.6	<0.2	1.6		
					Middle	1.0	0.6	188	20.6	20.6	7.9	7.9	32.5	32.5	93.5	93.5	7.0	7.0	8.3	9.5	14	14	84	84	818170	806185	<0.2	1.9	<0.2	1.9		
						1.0	0.6	194	20.5	20.5	7.9	7.9	32.5	32.5	93.4	93.4	7.0	7.0	8.4	9.5	16	14	84	86	818170	806185	<0.2	1.6	<0.2	1.7		
						3.4	0.2	201	20.4	20.4	7.9	7.9	32.6	32.6	92.7	92.8	6.9	6.9	9.3	9.3	13	13	86	86	818170	806185	<0.2	1.9	<0.2	1.8		
IM2	Cloudy	Moderate	06:15	6.7	Surface	3.4	0.2	221	20.4	20.4	7.9	7.9	32.6	32.6	92.8	92.8	6.9	6.9	9.3	9.5	13	13	86	86	818170	806185	<0.2	1.7	<0.2	1.9		
						5.7	0.0	142	20.4	20.4	7.9	7.9	32.6	32.6	92.8	92.8	6.9	6.9	10.6	11.0	13	14	88	88	818170	806185	<0.2	1.9	<0.2	1.8		
						5.7	0.0	146	20.4	20.4	7.9	7.9	32.6	32.6	92.8	92.8	6.9	6.9	11.0	11.0	14	14	88	88	818170	806185	<0.2	1.8	<0.2	1.8		
					Middle	1.0	0.3	201	20.8	20.8	7.9	7.9	31.8	31.8	95.6	95.5	7.1	7.1	4.8	8.3	15	13	84	84	818778	805582	<0.2	2.0	<0.2	1.8		
						1.0	0.3	219	20.8	20.8	7.9	7.9	31.8	31.8	95.4	95.4	7.1	7.1	4.8	8.3	13	13	84	86	818778	805582	<0.2	1.8	<0.2	1.8		
						3.5	0.3	237	20.6	20.6	7.9	7.9	31.9	31.9	93.6	93.6	7.0	7.0	7.8	8.3	13	13	86	86	818778	805582	<0.2	1.8	<0.2	1.8		
IM3	Cloudy	Moderate	06:22	7.0	Surface	3.5	0.4	244	20.6	20.6	7.9	7.9	31.9	31.9	93.5	93.6	7.0	7.0	8.0	8.3	12	13	86	86	818778	805582	<0.2	1.8	<0.2	1.9		
						6.0	0.1	229	20.5	20.5	7.9	7.9	32.2	32.2	92.5	92.5	6.9	6.9	12.4	11.9	11	12	87	87	818778	805582	<0.2	1.9	<0.2	1.9		
						6.0	0.1	231	20.5	20.5	7.9	7.9	32.2	32.2	92.4	92.5	6.9	6.9	11.9	11.9	12	12	87	87	818778	805582	<0.2	1.9	<0.2	1.9		
					Bottom	1.0	0.9	174	20.7	20.7	7.9	7.9	31.8	31.8	95.1	95.0	7.1	7.1	4.4	5.7	15	13	84	84	819716	804618	<0.2	1.8	<0.2	1.8		
						1.0	0.9	182	20.7	20.7	7.9	7.9	31.8	31.8	94.9	94.9	7.1	7.1	4.4	5.7	12	13	84	86	819716	804618	<0.2	1.9	<0.2	1.9		
						3.6	0.4	185	20.5	20.5	7.9	7.9	32.0	32.0	93.6	93.6	7.0	7.0	5.6	5.7	13	13	86	86	819716	804618	<0.2	2.0	<0.2	1.6		
IM4	Cloudy	Moderate	06:30	7.2	Surface	6.2	0.1	294	20.5	20.5	7.9	7.9	32.1	32.1	93.4	93.4	7.0	7.0	5.6	5.7	12	11	87	86	819716	804618	<0.2	1.6	<0.2	1.6		
						6.2	0.1	296	20.5	20.5	7.9	7.9	32.1	32.1	93.3	93.4	7.0	7.0	7.1	5.7	11	11	86	86	819716	804618	<0.2	1.6	<0.2	1.6		
						1.0	0.7	167	20.8	20.8	7.9	7.9	30.7	30.7	94.4	94.4	7.1	7.1	4.1	5.6	12	11	84	83	820721	804878	<0.2	2.5	<0.2	2.5		
					Middle	1.0	0.7	182	20.8	20.8	7.9	7.9	30.7	30.7	94.4	94.4	7.1	7.1	4.1	5.6	11	11	83	85	820721	804878	<0.2	2.4	<0.2	2.4		
						3.2	0.6	196	20.6	20.6	7.9	7.9	31.8	31.8	94.3	94.3	7.0	7.0	5.8	5.8	10	10	84	84	820721	804878	<0.2	2.4	<0.2	2.4		
						3.2	0.6	202	20.6	20.6	7.9	7.9	31.8	31.8	94.2	94.3	7.0	7.0	5.7	5.8	10	10	84	84	820721	804878	<0.2	2.4	<0.2	2.4		
IM5	Cloudy	Moderate	06:38	6.4	Surface	5.4	0.4	215	20.6	20.6	7.9	7.9	31.9	31.9	93.8	93.9	7.0	7.0	6.7	5.6	11	11	87	87	820721	804878	<0.2	2.4	<0.2	2.4		
						5.4	0.4	233	20.6	20.6	7.9	7.9	31.9	31.9	94.0	93.9	7.0	7.0	6.8	5.6	10	10	87	87	820721	804878	<0.2	2.4	<0.2	2.3		
						1.0	0.2	250	20.8	20.8	7.9	7.9	30.1	30.1	94.7	94.7	7.1	7.1	3.5	4.4	12	12	83	84	821056	805823	<0.2	2.0	<0.2	2.0		
					Middle	1.0	0.2	261	20.																							

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

Water Quality Monitoring Results on 19 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	06:41	7.3	Surface	1.0	0.3	160	20.7	20.7	8.1	8.1	28.4	28.4	92.4	92.4	7.0	3.9	8	82	86	82	82	86	86	86	822082	808830	<0.2	2.4	2.4	2.5				
						1.0	0.3	173	20.7	20.7	8.1	8.1	28.4	28.4	92.4	92.4	7.0	3.8	7	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	
						3.7	0.2	135	20.6	20.6	8.1	8.1	28.9	29.0	91.1	91.1	6.9	7.7	7	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
					3.7	0.2	144	20.6	20.6	8.1	8.1	29.0	29.0	91.1	91.1	6.9	8.5	8	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86	86
					6.3	0.3	40	20.6	20.6	8.1	8.1	29.1	29.1	91.7	91.7	6.9	11.6	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
					6.3	0.3	43	20.6	20.6	8.1	8.1	29.1	29.1	91.8	91.8	7.0	11.3	7	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91	91
IM10	Cloudy	Moderate	06:35	7.5	Surface	1.0	0.5	123	20.7	20.7	8.1	8.1	28.7	28.7	92.0	91.9	7.0	4.4	8	87	87	87	87	87	87	87	822372	809806	<0.2	2.4	2.4	2.6				
						1.0	0.5	132	20.7	20.7	8.1	8.1	28.7	28.7	91.8	91.8	7.0	4.7	9	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
						3.8	0.5	110	20.6	20.6	8.1	8.1	29.1	29.1	91.0	91.0	6.9	7.8	8	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					3.8	0.5	110	20.6	20.6	8.1	8.1	29.2	29.1	91.0	91.0	6.9	7.9	8	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					6.5	0.4	94	20.6	20.6	8.1	8.1	29.3	29.3	91.5	91.6	6.9	8.6	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
					6.5	0.4	101	20.6	20.6	8.1	8.1	29.3	29.3	91.6	91.6	6.9	8.5	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
IM11	Cloudy	Moderate	06:26	6.9	Surface	1.0	0.6	116	20.6	20.6	8.1	8.1	29.3	29.3	92.0	92.0	7.0	4.3	8	87	87	87	87	87	87	87	822066	811469	<0.2	2.8	2.8	2.3				
						1.0	0.6	125	20.6	20.6	8.1	8.1	29.3	29.3	91.9	91.9	7.0	4.4	7	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87		
						3.5	0.5	109	20.6	20.6	8.1	8.1	30.1	30.1	91.1	91.1	6.9	5.9	9	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					3.5	0.5	116	20.6	20.6	8.1	8.1	30.2	30.1	91.1	91.1	6.9	6.0	8	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
					5.9	0.2	129	20.6	20.6	8.1	8.1	30.4	30.4	91.3	91.3	6.9	6.5	11	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					5.9	0.2	139	20.6	20.6	8.1	8.1	30.4	30.4	91.4	91.4	6.9	6.6	10	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
IM12	Cloudy	Moderate	06:20	7.6	Surface	1.0	0.5	113	20.6	20.6	8.1	8.1	29.0	29.0	92.5	92.5	7.0	3.5	8	88	88	88	88	88	88	88	821457	812029	<0.2	2.3	2.3	2.3				
						1.0	0.6	118	20.6	20.6	8.1	8.1	29.0	29.0	92.4	92.4	7.0	3.5	8	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
						3.8	0.3	125	20.6	20.6	8.1	8.1	30.5	30.5	91.5	91.6	6.9	4.3	6	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					3.8	0.3	134	20.6	20.6	8.1	8.1	30.5	30.5	91.6	91.6	6.9	4.3	7	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
					6.6	0.4	120	20.5	20.5	8.1	8.1	30.7	30.7	91.6	91.7	6.9	5.3	6	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
					6.6	0.4	120	20.5	20.5	8.1	8.1	30.7	30.7	91.7	91.7	6.9	5.3	7	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
SR1A	Cloudy	Calm	05:51	4.6	Surface	1.0	-	-	20.5	20.5	8.1	8.1	31.0	31.0	91.7	91.7	6.9	6.4	11	-	-	-	-	-	-	-	819972	812660	-	-	-	-				
						1.0	-	-	20.5	20.5	8.1	8.1	31.1	31.1	91.6	91.6	6.9	6.5	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					3.6	-	-	20.5	20.5	8.1	8.1	31.1	31.1	92.0	92.1	6.9	6.5	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					3.6	-	-	20.5	20.5	8.1	8.1	31.1	31.1	92.2	92.2	6.9	6.6	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
SR2	Cloudy	Moderate	05:35	4.2	Surface	1.0	0.4	90	20.5	20.5	8.1	8.1	30.8	30.8	92.0	92.0	6.9	6.6	10	88	88	88	88	88	88	821457	814168	<0.2	2.4	2.4	2.3					
						1.0	0.4	94	20.5	20.5	8.1	8.1	30.8	30.8	92.0	92.0	6.9	6.6	9	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					3.2	0.4	100	20.5	20.5	8.1	8.1	30.8	30.8	93.2	93.5	7.1	8.7	11	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89		
					3.2	0.4	101	20.5	20.5	8.1	8.1	30.8	30.8	93.8	93.8	7.0	9.0	10	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SR3	Cloudy	Moderate	06:51	8.5	Surface	1.0	0.4	187	20.9	20.9	8.1	8.1	28.8	28.8	91.7	91.7	6.9	3.4	8	-	-	-	-	-	-	822151	807564	-	-	-	-					
						1.0	0.4	190	20.9	20.9	8.1	8.1	28.8	28.8	91.6	91.6	6.9	3.5	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						4.3	0.2	234	20.7	20.7	8.1	8.1	29.3	29.3	90.1	90.1	6.8	8.4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					4.3	0.2	241	20.7	20.7	8.1	8.1	29.4	29.3	90.1	90.1	6.8	8.6	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					7.5	0.1	320	20.7	20.7	8.1	8.1	29.4	29.4	89.7	89.6	6.8	10.7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					7.5	0.1	336	20.7	20.7	8.1	8.1	29.4	29.4	89.5	89.6	6.8	10.7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
SR4A	Cloudy	Calm	05:16	8.5	Surface	1.0	0.2	243	20.8	20.8	7.9	7.9	32.1	32.1	92.3	92.3	6.8	10.8	26	-	-	-	-	-	-	817165	807818	-	-	-	-					
						1.0	0.2	245	20.8	20.8	7.9	7.9	32.1	32.1	92.2	92.2	6.8	10.6	25	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.3	0.1	62	20.8	20.8	7.9	7.9	32.1	32.1	91.9	91.9	6.8	12.5																		

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

Water Quality Monitoring Results on 19 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Foggy	Rough	13:45	7.6	Surface	1.0	0.5	354	20.4	20.4	7.9	7.9	32.3	32.3	94.6	94.7	7.1	6.0	18	18	87	87	89	815624	804233	<0.2	2.3	1.9	2.1			
						1.0	0.5	359	20.4	20.4	7.9	7.9	32.3	32.3	94.7	94.7	7.1	6.0	20	20	86	86	89	815624	804233	<0.2	2.1	1.9	2.1			
					Middle	3.8	0.5	348	20.3	20.3	7.9	7.9	32.4	32.4	93.9	93.9	7.0	9.9	7.1	6.0	18	18	88	88	89	815624	804233	<0.2	1.5	1.9	2.1	
						3.8	0.5	2	20.4	20.4	7.9	7.9	32.4	32.4	93.9	93.9	7.0	10.2	7.0	10.2	18	18	88	88	89	815624	804233	<0.2	1.6	1.9	2.1	
					Bottom	6.6	0.4	349	20.2	20.2	8.0	8.0	32.9	32.9	93.9	93.9	7.0	12.9	7.0	12.9	17	17	91	91	88	815624	804233	<0.2	2.0	1.9	2.1	
						6.6	0.4	359	20.2	20.2	8.0	8.0	32.9	32.9	94.0	94.0	7.0	13.2	7.0	13.2	18	18	88	88	89	815624	804233	<0.2	2.1	1.9	2.1	
C2	Cloudy	Moderate	12:05	11.4	Surface	1.0	0.1	341	20.8	20.8	8.1	8.1	28.7	28.7	89.3	89.2	6.8	3.7	8	8	83	83	86	825669	806963	<0.2	2.8	2.7	2.7			
						1.0	0.1	347	20.8	20.8	8.1	8.1	28.8	28.8	89.1	89.1	6.7	3.8	7	7	84	84	86	825669	806963	<0.2	2.7	2.7	2.7			
					Middle	5.7	0.2	12	20.7	20.7	8.1	8.1	29.8	29.8	88.2	88.2	6.7	4.7	6.7	4.7	7	7	86	86	86	825669	806963	<0.2	2.7	2.7	2.7	
						5.7	0.2	12	20.6	20.6	8.1	8.1	29.8	29.8	88.2	88.2	6.7	4.8	6.7	4.8	7	7	86	86	86	825669	806963	<0.2	2.8	2.7	2.7	
					Bottom	10.4	0.2	44	20.5	20.6	8.1	8.1	29.9	29.9	88.0	88.1	6.6	6.7	6.7	6.7	7	7	88	88	88	825669	806963	<0.2	2.6	2.6	2.4	
						10.4	0.2	47	20.6	20.6	8.1	8.1	29.9	29.9	88.1	88.1	6.7	6.6	6.7	6.6	6	6	88	88	88	825669	806963	<0.2	2.4	2.4	2.4	
C3	Foggy	Moderate	14:13	11.8	Surface	1.0	0.3	235	20.5	20.5	8.1	8.1	31.6	31.6	89.8	89.7	6.7	2.6	10	10	83	83	86	822117	817810	<0.2	2.4	2.3	2.3			
						1.0	0.3	258	20.5	20.5	8.1	8.1	31.7	31.7	89.6	89.6	6.7	2.6	9	9	84	84	86	822117	817810	<0.2	2.2	2.3	2.3			
					Middle	5.9	0.2	245	20.4	20.4	8.1	8.1	32.0	32.0	87.4	87.4	6.5	6.8	6.5	6.8	8	8	86	86	86	822117	817810	<0.2	2.3	2.3	2.3	
						5.9	0.2	253	20.4	20.4	8.1	8.1	32.0	32.0	87.4	87.4	6.5	7.1	6.5	7.1	8	8	86	86	86	822117	817810	<0.2	2.3	2.3	2.3	
					Bottom	10.8	0.1	250	20.4	20.4	8.1	8.1	32.1	32.1	87.3	87.4	6.5	9.7	6.5	9.7	6	6	89	89	89	822117	817810	<0.2	2.2	2.2	2.4	
						10.8	0.1	263	20.4	20.4	8.1	8.1	32.1	32.1	87.4	87.4	6.5	10.1	6.5	10.1	6	6	89	89	89	822117	817810	<0.2	2.4	2.4	2.4	
IM1	Foggy	Moderate	13:22	4.3	Surface	1.0	0.3	359	20.7	20.7	7.9	7.9	32.2	32.2	93.9	94.0	7.0	6.0	15	15	86	86	88	817926	807134	<0.2	2.3	2.0	2.0			
						1.0	0.4	330	20.7	20.7	7.9	7.9	32.2	32.2	94.0	94.0	7.0	6.0	14	14	86	86	88	817926	807134	<0.2	2.2	2.0	2.0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817926	807134	<0.2	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817926	807134	<0.2	-	-
					Bottom	3.3	0.2	337	20.5	20.5	7.9	7.9	32.5	32.5	93.8	93.9	7.0	8.4	7.0	8.4	12	12	89	89	89	817926	807134	<0.2	1.8	1.7	1.7	
						3.3	0.2	310	20.5	20.5	7.9	7.9	32.5	32.5	93.9	93.9	7.0	8.3	7.0	8.3	13	13	89	89	89	817926	807134	<0.2	1.7	1.7	1.7	
IM2	Foggy	Moderate	13:14	6.5	Surface	1.0	0.3	22	20.8	20.8	7.9	7.9	31.9	31.9	94.4	94.4	7.0	7.2	14	14	84	84	86	818144	806175	<0.2	1.8	1.7	1.7			
						1.0	0.4	23	20.8	20.8	7.9	7.9	31.9	31.9	94.4	94.4	7.0	7.3	16	16	84	84	86	818144	806175	<0.2	1.7	1.7	1.7			
					Middle	3.3	0.3	11	20.4	20.4	7.9	7.9	32.3	32.3	93.7	93.6	7.0	8.4	7.0	8.4	14	14	87	87	86	818144	806175	<0.2	1.8	1.7	1.7	
						3.3	0.3	11	20.4	20.4	7.9	7.9	32.3	32.3	93.5	93.5	7.0	8.4	7.0	8.4	16	16	86	86	86	818144	806175	<0.2	1.8	1.7	1.7	
					Bottom	5.5	0.2	359	20.4	20.4	7.9	7.9	32.4	32.4	93.5	93.6	7.0	11.6	7.0	11.6	16	16	87	87	87	818144	806175	<0.2	1.5	1.5	1.5	
						5.5	0.2	330	20.4	20.4	7.9	7.9	32.4	32.4	93.6	93.6	7.0	11.7	7.0	11.7	14	14	88	88	88	818144	806175	<0.2	1.5	1.5	1.5	
IM3	Foggy	Moderate	13:05	6.4	Surface	1.0	0.2	11	20.8	20.8	7.9	7.9	31.8	31.8	93.6	93.6	7.0	9.9	13	13	85	85	86	818768	805614	<0.2	1.8	1.7	1.7			
						1.0	0.2	11	20.8	20.8	7.9	7.9	31.8	31.8	93.6	93.6	7.0	10.2	13	13	84	84	86	818768	805614	<0.2	1.7	1.7	1.7			
					Middle	3.2	0.2	14	20.6	20.6	7.9	7.9	31.9	31.9	93.5	93.5	7.0	11.0	7.0	11.0	10.8	10.8	86	86	86	818768	805614	<0.2	1.7	1.7	1.7	
						3.2	0.2	15	20.6	20.6	7.9	7.9	31.9	31.9	93.4	93.4	7.0	10.8	15	15	86	86	86	818768	805614	<0.2	1.7	1.7	1.7			
					Bottom	5.4	0.2	26	20.5	20.5	7.9	7.9	32.1	32.1	92.9	92.9	6.9	11.3	6.9	11.3	17	17	88	88	88	818768	805614	<0.2	2.0	1.8	1.8	
						5.4	0.2	28	20.5	20.5	7.9	7.9	32.1	32.1	92.9	92.9	6.9	11.4	6.9	11.4	15	15	87	87	87	818768	805614	<0.2	1.8	1.8	1.8	
IM4	Cloudy	Moderate	12:54	7.2	Surface	1.0	0.3	72	20.7	20.7	7.9	7.9	31.8	31.8	94.8	94.9	7.1	4.7	10	10	84	84	86	819709	804619	<0.2	1.8	1.7	1.7			
						1.0	0.3	75	20.7	20.7	7.9	7.9	31.8	31.8	95.0	95.0	7.1	4.8	10	10	84	84	86	819709	804619	<0.2	1.8	1.7	1.7			
					Middle	3.6	0.3	58	20.5	20.5	7.9	7.9	31.9	31.9	93.9	93.9	7.0	10.1	7.1	10.1	11	11	87	87	86	819709	804619	<0.2	1.9	1.7	1.7	
						3.6	0.3	61	20.5	20.5	7.9	7.9	31.9	31.9	93.9	93.9	7.0	10.6	7.0	10.6	10	10	87	87	86	819709	804619	<0.2	1.7	1.7	1.7	
					Bottom	6.2	0.4	41	20.5	20.5	7.9	7.9	32.0	32.0	93.6	93.6	7.0	10.9	7.0	10.9	18	18	88	88	88	819709	804619	<0.2	1.8	1.7	1.7	
						6.2	0.4	43	20.5	20.5	7.9	7.9	32.0	32.0	93.6	93.6	7.0	11.0	7.0	11.0	17	17	88	88	88	819709	804619	<0.2	1.7	1.7	1.7	
IM5	Cloudy	Moderate	12:44	6.6	Surface	1.0	0.2	83	20.6	20.6	7.9	7.9	31.9	31.9	95.8	95.8	7.1	8.0	20	20	84	84	86	820755	804878	<0.2	1.5	1.5	1.5			
						1.0	0.2	83	20.6	20.6	7.9	7.9	31.9	31.9	95.7	95.7	7.1	8.1	21	21	84	84	86	820755	804878	<0.2	1.7	1.5	1.5			
					Middle	3.3	0.2	69	20.6	20.6	7.9	7.9	31.9	31.9	95.4	95.5	7.1	8.5	7.1	8.5	20	20	87	87	86	820755	804878	<0.2	1.4	1.4	1.4	
						3.3	0.2	70	20.6	20.6	7.9	7.9	31.9	31.9	95.5	95.5	7.1	8.6														

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

Water Quality Monitoring Results on 19 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:36	7.0	Surface	1.0	0.4	279	20.7	20.7	8.1	8.1	28.8	28.8	92.2	92.2	7.0	4.6	9	84	87	822098	808834	<0.2	2.6	<0.2	2.6					
						1.0	0.4	299	20.7	20.7	8.1	8.1	28.8	28.8	92.2	92.2	7.0	4.7	10	83	87											
						3.5	0.3	273	20.7	20.7	8.1	8.1	28.8	28.8	92.0	92.1	7.0	5.2	9	87	87											
					3.5	0.4	295	20.7	20.7	8.1	8.1	28.8	28.8	92.1	92.1	7.0	5.2	8	87	87												
					6.0	0.3	280	20.6	20.6	8.1	8.1	29.0	29.0	91.6	91.7	7.0	7.5	8	89	89												
					6.0	0.3	300	20.6	20.6	8.1	8.1	29.0	29.0	91.7	91.7	7.0	8.4	8	89	89												
IM10	Cloudy	Moderate	12:43	7.2	Surface	1.0	0.4	268	20.8	20.8	8.1	8.1	29.1	29.1	93.5	93.5	7.1	4.1	8	83	86	822386	809809	<0.2	2.8	<0.2	2.9					
						1.0	0.4	288	20.8	20.8	8.1	8.1	29.1	29.1	93.5	93.5	7.1	4.2	7	83	86											
						3.6	0.3	277	20.8	20.8	8.1	8.1	29.2	29.2	93.3	93.3	7.0	4.9	8	86	87											
					3.6	0.3	279	20.7	20.7	8.1	8.1	29.3	29.3	93.2	93.2	7.0	5.3	9	86	87												
					6.2	0.3	293	20.6	20.6	8.1	8.1	30.2	30.2	93.1	93.2	7.0	9.8	10	89	89												
					6.2	0.3	295	20.6	20.6	8.1	8.1	30.2	30.2	93.3	93.3	7.0	9.9	11	89	89												
IM11	Cloudy	Moderate	12:54	7.3	Surface	1.0	0.2	306	21.0	21.0	8.1	8.1	29.4	29.4	94.0	94.0	7.1	2.8	10	84	87	822046	811465	<0.2	2.5	<0.2	2.5					
						1.0	0.2	333	21.0	21.0	8.1	8.1	29.4	29.4	94.0	94.0	7.1	2.8	8	84	87											
						3.7	0.3	294	20.6	20.6	8.1	8.1	30.5	30.5	92.6	92.6	7.0	3.9	7	86	87											
					3.7	0.3	312	20.6	20.6	8.1	8.1	30.5	30.5	92.7	92.7	7.0	4.1	8	87	87												
					6.3	0.3	321	20.5	20.5	8.1	8.1	30.8	30.8	92.7	92.7	7.0	5.5	8	89	89												
					6.3	0.3	338	20.5	20.5	8.1	8.1	30.8	30.8	92.8	92.8	7.0	5.4	7	89	89												
IM12	Cloudy	Moderate	13:01	7.9	Surface	1.0	0.2	292	20.7	20.7	8.1	8.1	30.5	30.5	94.2	94.2	7.1	3.3	7	83	87	821477	812044	<0.2	2.7	<0.2	2.7					
						1.0	0.2	320	20.7	20.7	8.1	8.1	30.5	30.5	94.2	94.2	7.1	3.4	8	84	87											
						4.0	0.1	289	20.6	20.6	8.1	8.1	30.8	30.9	93.0	93.0	7.0	4.5	6	87	87											
					4.0	0.1	311	20.6	20.6	8.1	8.1	30.9	30.9	92.9	92.9	7.0	5.0	6	87	87												
					6.9	0.2	297	20.6	20.6	8.1	8.1	31.2	31.2	92.9	93.0	7.0	9.3	7	89	89												
					6.9	0.2	306	20.6	20.6	8.1	8.1	31.2	31.2	93.0	93.0	7.0	9.4	7	90	89												
SR1A	Foggy	Calm	13:23	4.6	Surface	1.0	-	-	20.7	20.7	8.1	8.1	31.1	31.1	93.7	93.6	7.0	6.3	11	-	-	819979	812654	-	-	-	-					
						1.0	-	-	20.7	20.7	8.1	8.1	31.1	31.1	93.5	93.5	7.0	6.4	12	-	-											
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					3.6	-	-	20.7	20.7	8.1	8.1	31.1	31.1	94.0	94.1	7.0	6.2	12	-	-												
					3.6	-	-	20.7	20.7	8.1	8.1	31.1	31.1	94.2	94.2	7.0	6.2	11	-	-												
SR2	Foggy	Moderate	13:49	4.8	Surface	1.0	0.1	260	20.6	20.6	8.1	8.1	31.1	31.1	92.3	92.4	6.9	7.2	14	83	86	821484	814170	<0.2	2.9	<0.2	2.8					
						1.0	0.1	271	20.6	20.6	8.1	8.1	31.1	31.1	92.4	92.4	6.9	7.3	16	83	87											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					3.8	0.1	307	20.6	20.6	8.1	8.1	31.1	31.1	93.9	94.0	7.1	7.9	15	89	89												
					3.8	0.1	318	20.6	20.6	8.1	8.1	31.1	31.1	94.1	94.1	7.0	7.9	15	89	89												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR3	Cloudy	Moderate	12:24	8.4	Surface	1.0	0.2	276	21.0	21.0	8.1	8.1	28.4	28.4	92.8	92.8	7.0	3.1	7	-	-	822146	807553	-	-	-	-					
						1.0	0.2	290	21.0	21.0	8.1	8.1	28.4	28.4	92.7	92.7	7.0	3.1	8	-	-											
						4.2	0.3	259	20.7	20.7	8.1	8.1	29.3	29.3	90.6	90.6	6.8	5.7	8	-	-											
					4.2	0.3	261	20.7	20.7	8.1	8.1	29.3	29.3	90.6	90.6	6.8	5.9	7	-	-												
					7.4	0.2	239	20.7	20.7	8.1	8.1	29.4	29.4	90.9	91.0	6.9	7.5	7	-	-												
					7.4	0.2	244	20.7	20.7	8.1	8.1	29.4	29.4	91.0	91.0	6.9	7.5	6	-	-												
SR4A	Foggy	Calm	14:06	8.9	Surface	1.0	0.5	9	20.8	20.8	7.9	7.9	32.2	32.2	92.3	92.3	6.8	5.7	15	-	-	817174	807797	-	-	-	-					
						1.0	0.5	9	20.8	20.8	7.9	7.9	32.2	32.2	92.3	92.3	6.8	5.7	17	-	-											
						4.5	0.4	2	20.7	20.7	8.0	8.0	32.3	32.3	92.5	92.5	6.9	6.9	15	-	-											
					4.5	0.4	2	20.7	20.7	8.0	8.0	32.3	32.3	92.4	92.4	6.9	7.0	17	-	-												
					7.9	0.4	7	20.5	20.5	8.0	8.0	32.6	32.6	92.1	92.1	6.9	8.6	15	-	-												
					7.9	0.4	7	20.5	20.5	8.0	8.0	32.6	32.6	92.0	92.0	6.9	8.7	16	-	-												
SR5A	Foggy	Calm	14:23	3.3	Surface	1.0	0.4	350	20.9	20.9	7.9	7.9	32.5	32.5	93.5	93.5	6.9	8.4	18	-	-	816615	810696	-	-	-	-					
						1.0	0.4	322	20.9	20.9	7.9	7.9	32.5	32.5	93.5	93.5	6.9	8.5	20	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					2.3	0.4	332	20.9	20.9	8.0	8.0	32.5	32.5	94.0	94.0	6.9	8.8	20	-	-												
					2.3	0.4	335	20.9	20.9	8.0	8.0	32.5	32.5	93.9	93.9	6.9	8.8	23	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR6A	Foggy	Calm	14:59	4.1	Surface	1.0	0.2	240	20.9	20.9	8.0	8.0	32.5	32.5	92.9	92.9	6.9	7.5	17	-	-	817971	814735	-	-	-	-					
						1.0	0.2	253	20.9	20.9	8.0	8.0	32.5	32.5	92.8	92.8	6.9	7.5	19	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					3.1	0.1	290	20.9	20.9	8.0	8.0	32.5	32.5	93.1	93.0	6.9	10.0	25	-	-												
					3.1	0.1	297	20.9	20.9	8.0	8.0	32.5	32.5	92.9	93.0	6.9	10.1	22	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR7	Foggy	Moderate	14:45	15.8	Surface	1.0	0.3	168	20.4	20.4	8.1	8.1	32.1	32.1	87.6	87.6	6.5	3.1	8	-	-	823639	823732	-	-	-	-					
						1.0	0.3	183	20.4	20.4	8.1	8.1	32.1	32.1	87.6	87.6	6.5	3.2	9	-	-											
						7.9	0.1	218	20.4	20.4	8.1	8.1	32.2	32.2	87.4	87.4	6.5	3.1	10	-	-											
					7.9	0.2	221	20.4	20.4	8.1	8.1	32.2	32.2	87.4	87.4	6.5	3.2	9	-	-												
					14.8	0.1	245	20.4	20.4	8.1	8.1	32.3	32.3	88.4	88.6	6.6	3.6	10	-	-												
					14.8	0.1	247	20.4	20.4	8.1	8.1	32.3	32.3	88.8	88.8	6.6	3.5	9	-	-												
SR8	Foggy	Calm	13:10	4.7	Surface	1.0	-	-	20.8	20.8	8.1	8.1	30.6	30.6	94.5	94.5	7.1	5.7	7	-	-	820386	811607	-	-	-	-					
						1.0	-	-	20.8	20.8	8.1	8.1	30.6	30.6	94.5	94.5	7.1	6.2	8	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					3.7	-	-	20.7	20.7	8.1																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	08:27	7.9	Surface	1.0	0.5	224	19.9	19.9	8.0	8.0	33.3	33.4	97.0	96.9	7.3	1.7	10	88	89	815596	804251	<0.2	1.2	1.2	1.2					
						1.0	0.5	244	19.9	8.0	8.0	33.4	33.4	96.7	96.7	7.2	1.8	10	88	89	815596	804251	<0.2	1.0	1.0	1.0						
						4.0	0.4	210	20.0	20.0	8.1	8.1	34.1	34.1	96.3	96.2	7.2	2.7	9	88	88	815596	804251	<0.2	1.2	1.2	1.2					
					4.0	0.4	227	20.0	20.0	8.1	8.1	34.1	34.1	96.1	96.1	7.2	2.8	8	88	88	815596	804251	<0.2	1.2	1.2	1.2						
					6.9	0.3	212	20.0	20.0	8.1	8.1	34.2	34.2	95.7	95.7	7.1	3.0	7	91	91	815596	804251	<0.2	1.2	1.2	1.2						
					6.9	0.3	222	20.0	20.0	8.1	8.1	34.2	34.2	95.6	95.6	7.1	2.9	7	91	91	815596	804251	<0.2	1.3	1.3	1.3						
C2	Fine	Rough	09:40	7.3	Surface	1.0	0.5	160	20.4	20.4	8.1	8.1	31.3	31.3	91.3	91.3	6.9	2.5	6	83	88	825658	806962	<0.2	1.6	1.6	1.6					
						1.0	0.5	175	20.4	20.4	8.1	8.1	31.3	31.3	91.3	91.3	6.9	2.5	6	84	88	825658	806962	<0.2	1.6	1.6	1.6					
						3.7	0.5	155	20.4	20.4	8.1	8.1	31.4	31.4	90.0	90.0	6.8	2.8	6	87	88	825658	806962	<0.2	1.5	1.5	1.5					
					3.7	0.5	170	20.4	20.4	8.1	8.1	31.4	31.4	90.0	90.0	6.8	2.8	6	87	88	825658	806962	<0.2	1.4	1.4	1.4						
					6.3	0.4	158	20.4	20.4	8.1	8.1	31.6	31.6	89.4	89.6	6.7	10.0	5	92	92	825658	806962	<0.2	1.5	1.5	1.5						
					6.3	0.4	167	20.4	20.4	8.1	8.1	31.6	31.6	89.7	89.7	6.7	10.0	5	92	92	825658	806962	<0.2	1.4	1.4	1.4						
C3	Fine	Rough	07:24	11.2	Surface	1.0	0.4	74	20.2	20.2	8.1	8.1	32.1	32.0	86.8	86.8	6.5	2.6	6	83	87	822128	817811	<0.2	1.5	1.5	1.5					
						1.0	0.5	77	20.2	20.2	8.1	8.1	32.0	32.0	86.8	86.8	6.5	2.6	6	83	87	822128	817811	<0.2	1.4	1.4	1.4					
						5.6	0.3	76	20.2	20.2	8.1	8.1	32.3	32.3	86.3	86.3	6.5	2.0	8	88	88	822128	817811	<0.2	1.5	1.5	1.5					
					5.6	0.3	76	20.2	20.2	8.1	8.1	32.3	32.3	86.3	86.3	6.5	1.9	7	88	88	822128	817811	<0.2	1.5	1.5	1.5						
					10.2	0.3	67	20.3	20.3	8.1	8.1	32.5	32.5	84.3	84.3	6.3	5.5	9	91	91	822128	817811	<0.2	1.4	1.4	1.4						
					10.2	0.3	70	20.3	20.3	8.1	8.1	32.5	32.5	84.3	84.3	6.3	5.6	9	91	91	822128	817811	<0.2	1.3	1.3	1.3						
IM1	Cloudy	Moderate	08:51	4.5	Surface	1.0	0.1	195	20.2	20.2	8.0	8.0	33.7	33.7	95.1	95.1	7.1	4.5	6	84	87	817953	807112	<0.2	1.4	1.4	1.4					
						1.0	0.1	209	20.2	20.2	8.0	8.0	33.7	33.7	95.1	95.1	7.1	4.6	6	84	87	817953	807112	<0.2	1.4	1.4	1.4					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					3.5	0.1	226	20.2	20.2	8.1	8.1	33.8	33.8	93.9	93.8	7.0	6.3	8	89	89	817953	807112	<0.2	1.3	1.3	1.3						
					3.5	0.1	241	20.2	20.2	8.1	8.1	33.8	33.8	93.6	93.6	7.0	5.8	7	89	89	817953	807112	<0.2	1.2	1.2	1.2						
IM2	Cloudy	Moderate	09:10	6.5	Surface	1.0	0.1	145	20.2	20.2	7.8	7.8	33.3	33.3	95.5	95.5	7.1	4.8	11	86	88	818139	806179	<0.2	1.1	1.1	1.1					
						1.0	0.1	155	20.2	20.2	7.8	7.8	33.3	33.3	95.4	95.4	7.1	5.0	11	86	88	818139	806179	<0.2	1.2	1.2	1.2					
						3.3	0.1	139	20.2	20.2	7.8	7.8	33.7	33.7	94.9	94.9	7.1	6.2	9	87	88	818139	806179	<0.2	1.2	1.2	1.2					
					3.3	0.1	143	20.2	20.2	7.8	7.8	33.7	33.7	94.9	94.9	7.1	6.3	9	88	88	818139	806179	<0.2	1.1	1.1	1.1						
					5.5	0.1	22	20.2	20.2	7.9	7.9	34.1	34.1	95.2	95.2	7.1	6.9	8	89	89	818139	806179	<0.2	1.0	1.0	1.0						
					5.5	0.1	24	20.2	20.2	7.9	7.9	34.1	34.1	95.2	95.2	7.1	7.1	8	89	89	818139	806179	<0.2	1.1	1.1	1.1						
IM3	Cloudy	Moderate	09:19	6.3	Surface	1.0	0.1	72	20.0	20.0	8.0	8.0	33.1	33.1	95.4	95.4	7.1	14.3	12	86	88	818779	805571	<0.2	1.3	1.3	1.3					
						1.0	0.1	74	20.0	20.0	8.0	8.0	33.1	33.1	95.4	95.4	7.1	14.4	12	86	88	818779	805571	<0.2	1.1	1.1	1.1					
						3.2	0.1	75	20.0	20.0	8.0	8.0	33.1	33.1	95.1	95.1	7.1	16.9	15	88	88	818779	805571	<0.2	1.2	1.2	1.2					
					3.2	0.1	78	20.0	20.0	8.0	8.0	33.1	33.1	95.1	95.1	7.1	16.9	14	88	88	818779	805571	<0.2	1.1	1.1	1.1						
					5.3	0.1	36	20.0	20.0	8.0	8.0	33.1	33.1	94.9	94.9	7.1	18.1	18	90	90	818779	805571	<0.2	1.1	1.1	1.1						
					5.3	0.1	38	20.0	20.0	8.0	8.0	33.1	33.1	94.8	94.8	7.1	17.8	18	90	90	818779	805571	<0.2	1.2	1.2	1.2						
IM4	Cloudy	Moderate	09:29	7.0	Surface	1.0	0.6	199	20.1	20.1	7.8	7.8	32.5	32.5	94.7	94.7	7.1	5.7	16	85	87	819741	804601	<0.2	1.4	1.4	1.4					
						1.0	0.7	201	20.1	20.1	7.8	7.8	32.5	32.5	94.7	94.7	7.1	5.9	17	85	87	819741	804601	<0.2	1.4	1.4	1.4					
						3.5	0.6	192	20.1	20.1	7.8	7.8	32.5	32.5	94.6	94.6	7.1	6.6	13	87	88	819741	804601	<0.2	1.4	1.4	1.4					
					3.5	0.6	199	20.1	20.1	7.8	7.8	32.5	32.5	94.8	94.7	7.1	6.9	14	88	88	819741	804601	<0.2	1.3	1.3	1.3						
					6.0	0.4	198	20.1	20.1	7.8	7.8	32.5	32.5	94.7	94.7	7.1	7.3	13	88	88	819741	804601	<0.2	1.4	1.4	1.4						
					6.0	0.5	205	20.1	20.1	7.8	7.8	32.5	32.5	94.3	94.5	7.1	7.1	13	89	89	819741	804601	<0.2	1.4	1.4	1.4						
IM5	Cloudy	Moderate	09:42	6.4	Surface	1.0	0.6	222	20.2	20.2	7.8	7.8	32.4	32.4	94.8	94.8	7.1	4.1	11	85	88	820733	804868	<0.2	1.6	1.6	1.6					
						1.0	0.6	232	20.2	20.2	7.8	7.8	32.4	32.4	94.8	94.8	7.1	4.1	11	86	88	820733	804868	<0.2	1.5	1.5	1.5					
						3.2	0.5	217	20.2	20.2	7.8	7.8	32.4	32.4	94.7	94.7	7.1	4.7	12	87	88	820733	804868	<0.2	1.6	1.6	1.6					
					3.2	0.5	227	20.2	20.2	7.8	7.8	32.4	32.4	95.2	95.0	7.1	4.8	12	88	88	820733	804868	<0.2	1.6	1.6	1.6						
					5.4	0.4	212	20.1	20.1	7.8	7.8	32.5	32.5	94.3	94.3	7.1	4.9	12	90	90	820733	804868	<0.2	1.6	1.6	1.6						
					5.4	0.4	213	20.1	20.1	7.8	7.8	32.5	32.5	94.3	94.3	7.1	5.0	12	90	90	820733	804868	<0.2	1.6	1.6	1.6						
IM6	Cloudy	Moderate	09:56	6.6	Surface	1.0	0.6	238	20.2	20.2	7.8	7.8	32.3	32.3	94.5	94.6	7.1	4.1	6	84	86	821067	805847	<0.2	1.8	1.8	1.8					
						1.0	0.6	240	20.2	20.2	7.8	7.8	32.3	32.3	94.6	94.6	7.1	4.1	7	85	86	821067	805847	<0.2	1.7	1.7	1.7					
						3.3	0.4	240	20.1	20.1	7.8	7.8	32.5	32.5	93.5	93.6	7.0	6.0	7	86	86	821067	805847	<0.2	1.4	1.4	1.4					
					3.3	0.5	258	20.1	20.1	7.8	7.8	32.5	32.5																			

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

Water Quality Monitoring Results on 21 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Rough	14:12	7.2	Surface	1.0	0.3	241	20.2	20.2	8.1	8.1	31.1	31.1	93.2	93.2	7.0	4.6	6	84	88	822112	808792	<0.2	1.7	1.6	1.6					
						1.0	0.3	255	20.2	20.2	8.1	8.1	31.1	31.1	93.2	93.2	7.0	4.6	5	84	88	822112	808792	<0.2	1.6	1.6	1.6					
						3.6	0.3	269	20.2	20.2	8.1	8.1	31.1	31.1	93.1	93.1	7.0	5.2	6	90	88	822112	808792	<0.2	1.6	1.6	1.6					
					3.6	0.3	285	20.2	20.2	8.1	8.1	31.1	31.1	93.1	93.1	7.0	5.1	5	89	88	822112	808792	<0.2	1.6	1.6	1.6						
					6.2	0.3	274	20.1	20.1	8.1	8.1	31.2	31.2	92.7	92.7	7.0	6.2	6	91	88	822112	808792	<0.2	1.7	1.6	1.6						
					6.2	0.3	295	20.1	20.1	8.1	8.1	31.2	31.2	92.7	92.7	7.0	6.1	5	92	88	822112	808792	<0.2	1.6	1.6	1.6						
IM10	Cloudy	Rough	14:18	7.5	Surface	1.0	0.1	356	20.4	20.4	8.1	8.1	31.0	31.0	93.5	93.5	7.0	2.7	5	84	89	822401	809776	<0.2	1.6	1.7	1.7					
						1.0	0.1	328	20.4	20.4	8.1	8.1	31.0	31.0	93.5	93.5	7.0	2.7	4	84	89	822401	809776	<0.2	1.6	1.7	1.7					
						3.8	0.2	344	20.2	20.2	8.1	8.1	31.2	31.2	92.7	92.7	7.0	4.4	4	90	89	822401	809776	<0.2	1.7	1.6	1.6					
					3.8	0.2	316	20.2	20.2	8.1	8.1	31.2	31.2	92.7	92.7	7.0	4.4	5	89	89	822401	809776	<0.2	1.6	1.6	1.6						
					6.5	0.2	303	20.1	20.1	8.1	8.1	31.2	31.2	92.4	92.4	7.0	6.7	6	92	89	822401	809776	<0.2	1.7	1.6	1.6						
					6.5	0.2	319	20.1	20.1	8.1	8.1	31.2	31.2	92.4	92.4	7.0	6.8	6	92	89	822401	809776	<0.2	1.7	1.6	1.6						
IM11	Cloudy	Rough	14:28	7.4	Surface	1.0	0.5	300	20.3	20.3	8.1	8.1	31.0	31.0	93.2	93.2	7.0	3.8	6	85	89	822065	811477	<0.2	1.9	1.8	1.8					
						1.0	0.5	306	20.2	20.2	8.1	8.1	31.0	31.0	93.1	93.1	7.0	3.8	6	86	89	822065	811477	<0.2	1.7	1.7	1.7					
						3.7	0.3	324	20.2	20.2	8.1	8.1	31.1	31.1	92.4	92.4	7.0	4.7	6	90	89	822065	811477	<0.2	1.9	1.8	1.8					
					3.7	0.3	353	20.2	20.2	8.1	8.1	31.1	31.1	92.5	92.5	7.0	4.7	5	90	89	822065	811477	<0.2	1.8	1.7	1.7						
					6.4	0.6	329	20.2	20.2	8.1	8.1	31.1	31.1	92.5	92.5	7.0	5.2	6	91	89	822065	811477	<0.2	1.7	1.7	1.7						
					6.4	0.6	330	20.2	20.2	8.1	8.1	31.1	31.1	92.5	92.5	7.0	5.2	5	92	89	822065	811477	<0.2	1.7	1.7	1.7						
IM12	Cloudy	Rough	14:34	7.6	Surface	1.0	0.5	294	20.2	20.2	8.1	8.1	31.1	31.1	92.4	92.4	7.0	8.5	8	83	88	821466	812063	<0.2	1.9	1.8	1.8					
						1.0	0.5	313	20.2	20.2	8.1	8.1	31.1	31.1	92.4	92.4	7.0	8.4	9	84	88	821466	812063	<0.2	1.8	1.8	1.8					
						3.8	0.5	286	20.2	20.2	8.1	8.1	31.1	31.1	92.2	92.2	7.0	9.7	12	90	88	821466	812063	<0.2	1.8	1.8	1.8					
					3.8	0.6	309	20.2	20.2	8.1	8.1	31.1	31.1	92.2	92.2	7.0	9.7	12	90	88	821466	812063	<0.2	1.8	1.8	1.8						
					6.6	0.4	307	20.2	20.2	8.1	8.1	31.1	31.1	92.2	92.2	7.0	11.2	12	91	88	821466	812063	<0.2	1.7	1.7	1.7						
					6.6	0.4	323	20.2	20.2	8.1	8.1	31.1	31.1	92.3	92.3	7.0	11.2	12	92	88	821466	812063	<0.2	1.9	1.9	1.9						
SR1A	Cloudy	Rough	14:55	3.5	Surface	1.0	-	-	20.5	20.5	8.1	8.1	31.2	31.2	92.4	92.4	6.9	6.7	8	-	-	819970	812654	-	-	-	-					
						1.0	-	-	20.5	20.5	8.1	8.1	31.2	31.2	92.4	92.4	6.9	6.7	9	-	-	819970	812654	-	-	-	-					
						1.8	-	-	-	-	-	-	-	-	-	-	6.9	6.9	7.8	9	-	-	819970	812654	-	-	-	-				
					1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819970	812654	-	-	-	-				
					2.5	-	-	20.4	20.4	8.1	8.1	31.2	31.2	93.4	93.5	7.0	8.9	9	-	-	-	819970	812654	-	-	-	-					
					2.5	-	-	20.4	20.4	8.1	8.1	31.2	31.2	93.5	93.5	7.0	9.0	10	-	-	-	819970	812654	-	-	-	-					
SR2	Cloudy	Rough	15:16	4.8	Surface	1.0	0.6	328	20.4	20.4	8.1	8.1	31.3	31.3	92.1	92.1	6.9	4.9	5	80	87	821444	814169	<0.2	1.6	1.6	1.6					
						1.0	0.6	335	20.4	20.4	8.1	8.1	31.3	31.3	92.0	92.0	6.9	4.9	5	84	87	821444	814169	<0.2	1.6	1.6	1.6					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821444	814169	<0.2	1.6	1.6	1.6				
					3.8	0.4	312	20.4	20.4	8.1	8.1	31.3	31.3	92.6	92.7	7.0	5.5	6	91	87	821444	814169	<0.2	1.6	1.6	1.6						
					3.8	0.5	319	20.4	20.4	8.1	8.1	31.3	31.3	92.8	92.7	7.0	5.5	5	92	87	821444	814169	<0.2	1.6	1.6	1.6						
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821444	814169	<0.2	1.6	1.6	1.6				
SR3	Cloudy	Rough	14:03	8.0	Surface	1.0	0.2	180	20.2	20.2	8.1	8.1	31.0	31.0	91.9	91.9	6.9	4.0	6	-	-	822162	807554	-	-	-	-					
						1.0	0.2	197	20.2	20.2	8.1	8.1	31.0	31.0	91.9	91.9	6.9	4.0	6	-	-	822162	807554	-	-	-	-					
						4.0	0.2	216	20.1	20.1	8.1	8.1	31.3	31.3	92.1	92.1	7.0	7.0	6	-	-	822162	807554	-	-	-	-					
					4.0	0.2	226	20.0	20.0	8.1	8.1	31.3	31.3	92.1	92.1	7.0	7.0	7	-	-	822162	807554	-	-	-	-						
					7.0	0.2	226	20.0	20.0	8.1	8.1	31.3	31.3	92.1	92.1	7.0	8.9	6	-	-	822162	807554	-	-	-	-						
					7.0	0.2	201	20.0	20.0	8.1	8.1	31.3	31.3	92.1	92.1	7.0	8.9	7	-	-	822162	807554	-	-	-	-						
SR4A	Cloudy	Calm	15:16	8.0	Surface	1.0	0.4	58	20.6	20.6	8.0	8.0	32.6	32.6	93.3	93.3	6.9	8.3	13	-	-	817171	807833	-	-	-	-					
						1.0	0.4	61	20.6	20.6	8.0	8.0	32.6	32.6	93.2	93.2	6.9	8.5	14	-	-	817171	807833	-	-	-	-					
						4.0	0.5	64	20.4	20.4	8.0	8.0	32.8	32.8	92.7	92.8	6.9	10.8	15	-	-	817171	807833	-	-	-	-					
					4.0	0.5	64	20.4	20.4	8.0	8.0	32.8	32.8	92.9	92.9	6.9	10.5	16	-	-	817171	807833	-	-	-	-						
					7.0	0.3	50	20.3	20.3	8.0	8.0	32.9	32.9	92.5	92.6	6.9	13.6	16	-	-	817171	807833	-	-	-	-						
					7.0	0.3	52	20.3	20.3	8.0	8.0	32.9	32.9	92.6	92.6	6.9	12.1	16	-	-	817171	807833	-	-	-	-						
SR5A	Cloudy	Calm	15:34	4.1	Surface	1.0	0.1	238	20.7	20.7	7.8	7.8	32.4	32.4	93.0	93.1	6.9	2.8	5	-	-	816578	810710	-	-	-	-					
						1.0	0.1	240	20.7	20.7	7.8	7.8	32.4	32.4	93.1	93.1	6.9	2.9	5	-	-	816578	810710	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816578	810710	-	-	-	-				
					3.1	0.2	277	20.7	20.7	7.8	7.8	32.4	32.4	94.7	94.7	7.0	4.1	8	-	-	816578	810710	-	-	-	-						
					3.1	0.3	254	20.7	20.7	7.8	7.8	32.4	32.4	94.7	94.7	7.0	3.9	8	-	-	816578	810710	-	-	-	-						
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816578	810710	-	-	-	-				
SR6A	Cloudy																															

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

Water Quality Monitoring Results on 24 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	11:13	8.0	Surface	1.0	0.1	276	20.3	20.3	7.8	7.8	33.2	33.2	97.7	97.7	7.3		9.4		19		85		89	815637	804229	<0.2	1.0	0.9						
						1.0	0.1	280	20.3	20.3	7.8	7.8	33.2	33.2	97.7	97.7	7.3	7.3	9.4		19		85		89											
					Middle	4.0	0.0	291	20.2	20.2	7.8	7.8	33.2	33.2	96.9	97.0	7.2		9.8		18		17		89		89									
						4.0	0.0	296	20.2	20.2	7.8	7.8	33.2	33.2	97.0	97.0	7.2		9.5		17		17		89		89									
					Bottom	7.0	0.0	55	20.2	20.2	7.8	7.8	33.2	33.2	97.5	97.4	7.3	7.3	10.9		18		18		93		93		89							
						7.0	0.0	55	20.2	20.2	7.8	7.8	33.2	33.2	97.3	97.3	7.3	7.3	10.8		18		18		92		92		89							
C2	Fine	Moderate	12:26	11.8	Surface	1.0	0.5	66	20.6	20.6	7.9	7.9	31.6	31.6	90.2	90.3	6.7		4.5		9		85		88	825661	806952	<0.2	1.8	1.7						
						1.0	0.6	72	20.6	20.6	7.9	7.9	31.6	31.6	90.3	90.2	6.7	6.7	4.5		10		86		88											
					Middle	5.9	0.4	55	20.5	20.5	8.0	8.0	31.9	31.9	90.2	90.2	6.7		7.9		9		9		89		89									
						5.9	0.4	60	20.5	20.5	8.0	8.0	31.9	31.9	90.1	90.1	6.7		8.2		9		9		89		89									
					Bottom	10.8	0.3	9	20.5	20.5	7.9	7.9	32.1	32.1	91.0	91.1	6.8	6.8	9.8		8		8		90		90		88							
						10.8	0.3	9	20.5	20.5	7.9	7.9	32.1	32.1	91.2	91.2	6.8	6.8	9.7		9		9		91		91		88							
C3	Fine	Moderate	10:37	11.4	Surface	1.0	0.1	173	20.5	20.5	8.0	8.0	33.2	33.2	86.8	86.8	6.4		3.3		7		88		90	822110	817788	<0.2	1.7	1.7						
						1.0	0.1	186	20.5	20.5	8.0	8.0	33.2	33.2	86.7	86.8	6.4	6.4	3.3		6		86		89											
					Middle	5.7	0.1	120	20.5	20.5	7.9	7.9	33.5	33.5	85.0	85.1	6.3		7.9		6		6		89		89									
						5.7	0.1	127	20.5	20.5	7.9	7.9	33.5	33.5	85.1	85.1	6.3		7.5		7		7		90		90									
					Bottom	10.4	0.2	137	20.5	20.5	7.9	7.9	33.5	33.5	86.7	86.9	6.4	6.4	14.2		8		8		92		92		89							
						10.4	0.2	146	20.5	20.5	7.9	7.9	33.5	33.5	87.0	87.0	6.4	6.4	13.7		9		9		93		93		89							
IM1	Fine	Calm	11:25	4.4	Surface	1.0	0.0	206	20.3	20.3	7.7	7.7	33.1	33.0	96.6	96.7	7.2		5.4		15		85		89	817971	807142	<0.2	1.1	1.0						
						1.0	0.0	218	20.3	20.3	7.7	7.7	33.0	33.0	96.8	96.8	7.2	7.2	5.4		16		86		86											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.4	0.0	204	20.3	20.3	7.7	7.7	33.1	33.1	96.8	97.0	7.2	7.2	5.6		13		13		91		91		89							
						3.4	0.0	216	20.3	20.3	7.7	7.7	33.1	33.1	97.1	97.1	7.2	7.2	5.6		14		14		92		92		89							
IM2	Fine	Moderate	11:33	6.6	Surface	1.0	0.1	334	20.3	20.3	7.7	7.7	33.1	33.1	96.8	96.8	7.2		9.1		16		83		89	818151	806185	<0.2	1.0	1.0						
						1.0	0.1	340	20.3	20.3	7.7	7.7	33.1	33.1	96.7	96.7	7.2	7.2	9.2		15		84		89											
					Middle	3.3	0.0	37	20.3	20.3	7.7	7.7	33.1	33.1	96.3	96.3	7.2		10.9		17		17		91		91									
						3.3	0.0	39	20.3	20.3	7.7	7.7	33.1	33.1	96.3	96.3	7.2		10.6		17		17		91		91									
					Bottom	5.6	0.0	39	20.3	20.3	7.7	7.7	33.1	33.1	96.4	96.5	7.2	7.2	14.6		20		20		92		92		89							
						5.6	0.0	41	20.3	20.3	7.7	7.7	33.1	33.1	96.5	96.5	7.2	7.2	14.6		18		18		93		93		89							
IM3	Fine	Moderate	11:40	6.3	Surface	1.0	0.1	178	20.3	20.3	7.7	7.7	33.1	33.1	96.8	96.7	7.2		13.2		19		85		89	818788	805612	<0.2	1.1	1.1						
						1.0	0.1	195	20.3	20.3	7.7	7.7	33.1	33.1	96.6	96.6	7.2	7.2	13.4		17		87		89											
					Middle	3.2	0.1	215	20.3	20.3	7.7	7.7	33.1	33.1	96.1	96.1	7.2		13.4		8		8		89		89									
						3.2	0.1	218	20.3	20.3	7.7	7.7	33.1	33.1	96.1	96.1	7.2		13.2		9		9		90		90									
					Bottom	5.3	0.1	212	20.3	20.3	7.7	7.7	33.1	33.1	97.2	97.1	7.2	7.2	15.1		24		24		90		90		89							
						5.3	0.1	221	20.3	20.3	7.7	7.7	33.1	33.1	96.9	97.1	7.2	7.2	14.9		25		25		91		91		89							
IM4	Fine	Moderate	11:47	7.0	Surface	1.0	0.1	131	20.3	20.3	7.7	7.7	33.1	33.1	97.2	97.2	7.2		9.5		21		84		88	819722	804591	<0.2	1.0	1.1						
						1.0	0.1	139	20.3	20.3	7.7	7.7	33.1	33.1	97.2	97.2	7.2	7.2	9.5		20		84		88											
					Middle	3.5	0.2	216	20.3	20.3	7.7	7.7	33.1	33.1	97.0	97.2	7.2		10.9		19		19		88		88									
						3.5	0.2	218	20.3	20.3	7.7	7.7	33.1	33.1	97.3	97.2	7.2		10.9		21		21		88		88									
					Bottom	6.0	0.2	229	20.3	20.3	7.7	7.7	33.1	33.1	96.6	96.8	7.2	7.2	13.5		19		19		93		93		89							
						6.0	0.2	231	20.3	20.3	7.7	7.7	33.1	33.1	97.0	96.8	7.2	7.2	13.5		21		21		93		93		89							
IM5	Fine	Moderate	11:56	6.5	Surface	1.0	0.3	73	20.3	20.3	7.7	7.7	32.9	32.9	96.2	96.2	7.2		9.5		19		85		89	820745	804868	<0.2	1.2	1.1						
						1.0	0.3	75	20.3	20.3	7.7	7.7	32.9	32.9	96.2	96.2	7.2	7.2	9.8		20		85		88											
					Middle	3.3	0.3	79	20.3	20.3	7.7	7.7	32.9	32.9	96.1	96.3	7.2		10.9		21		21		88		88									
						3.3	0.3	83	20.3	20.3	7.7	7.7	32.9	32.9	96.4	96.3	7.2		10.8		19		19		89		89									
					Bottom	5.5	0.3	70	20.3	20.3	7.7	7.7	33.0	33.0	96.8	96.9	7.2	7.2	10.7		20		20		92		92		89							
						5.5	0.3	75	20.3	20.3	7.7	7.7	33.0	33.0	97.0	96.9	7.2	7.2	10.6		22		22</													

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

Water Quality Monitoring Results on 24 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Fine	Moderate	11:59	7.6	Surface	1.0	0.2	155	20.5	20.5	8.0	8.0	31.8	31.8	91.8	91.8	6.9	6.9	6.4	9	87	89	822104	808828	<0.2	1.5	1.7	1.7					
						1.0	0.2	155	20.5	20.5	8.0	8.0	31.8	31.8	91.8	91.8	6.9	6.9	7.1	8	87	89	822104	808828	<0.2	1.6	1.7	1.7					
					Middle	3.8	0.2	144	20.5	20.5	8.0	8.0	32.2	32.2	92.4	92.5	6.9	6.9	10.9	10	88	9	9	89	822104	808828	<0.2	1.7	1.7	1.7			
						3.8	0.2	154	20.5	20.5	8.0	8.0	32.2	32.2	92.5	92.5	6.9	6.9	10.8	9	90	9	9	89	822104	808828	<0.2	1.8	1.7	1.7			
					Bottom	6.6	0.1	129	20.4	20.4	8.0	8.0	32.7	32.7	93.6	93.7	7.0	7.0	11.8	10	90	10	10	9	9	89	822104	808828	<0.2	1.6	1.7	1.7	
						6.6	0.1	131	20.4	20.4	8.0	8.0	32.7	32.7	93.7	93.7	7.0	7.0	12.2	9	91	10	10	9	9	89	822104	808828	<0.2	1.7	1.7	1.7	
IM10	Fine	Moderate	11:55	7.6	Surface	1.0	0.2	122	20.5	20.5	7.9	7.9	31.7	31.7	91.2	91.2	6.8	6.8	5.1	13	86	89	822393	809807	<0.2	1.6	1.7	1.7					
						1.0	0.2	123	20.5	20.5	8.0	8.0	31.7	31.7	91.2	91.2	6.8	6.8	5.2	13	87	11	11	89	822393	809807	<0.2	1.6	1.7	1.7			
					Middle	3.8	0.2	132	20.4	20.4	8.0	8.0	32.3	32.3	91.7	91.7	6.8	6.8	10.3	14	89	14	14	89	822393	809807	<0.2	1.7	1.7	1.7			
						3.8	0.2	138	20.4	20.4	8.0	8.0	32.3	32.3	91.7	91.7	6.8	6.8	10.2	14	88	14	14	89	822393	809807	<0.2	1.7	1.7	1.7			
					Bottom	6.6	0.2	138	20.4	20.4	8.0	8.0	32.8	32.8	92.2	92.3	6.9	6.9	9.4	12	90	12	12	9	9	89	822393	809807	<0.2	1.7	1.7	1.7	
						6.6	0.2	150	20.4	20.4	8.0	8.0	32.8	32.8	92.3	92.3	6.9	6.9	9.3	11	92	11	11	9	9	89	822393	809807	<0.2	1.6	1.7	1.7	
IM11	Fine	Moderate	11:42	7.5	Surface	1.0	0.3	70	20.4	20.4	8.0	8.0	32.9	32.9	90.4	90.4	6.7	6.7	7.6	12	86	89	822043	811455	<0.2	1.6	1.7	1.7					
						1.0	0.3	75	20.4	20.4	8.0	8.0	32.9	32.9	90.4	90.4	6.7	6.7	7.7	11	87	11	11	89	822043	811455	<0.2	1.6	1.7	1.7			
					Middle	3.8	0.3	81	20.4	20.4	8.0	8.0	32.9	32.9	90.7	90.7	6.7	6.7	8.0	11	89	11	11	89	822043	811455	<0.2	1.6	1.7	1.7			
						3.8	0.3	81	20.4	20.4	8.0	8.0	32.9	32.9	90.7	90.7	6.7	6.7	8.1	12	88	12	12	91	822043	811455	<0.2	1.7	1.7	1.7			
					Bottom	6.5	0.2	89	20.4	20.4	8.0	8.0	32.9	32.9	91.9	91.9	6.8	6.8	7.7	10	91	10	10	9	9	89	822043	811455	<0.2	1.8	1.7	1.7	
						6.5	0.2	94	20.4	20.4	8.0	8.0	32.9	32.9	92.2	92.1	6.9	6.9	7.9	11	91	11	11	9	9	89	822043	811455	<0.2	1.5	1.7	1.7	
IM12	Fine	Moderate	11:37	8.0	Surface	1.0	0.3	74	20.4	20.4	8.0	8.0	32.9	32.9	90.5	90.9	6.8	6.8	7.7	11	86	89	821468	812024	<0.2	1.6	1.7	1.7					
						1.0	0.3	81	20.4	20.4	8.0	8.0	32.9	32.9	90.9	90.9	6.8	6.8	7.8	10	87	10	10	89	821468	812024	<0.2	1.7	1.7	1.7			
					Middle	4.0	0.3	81	20.4	20.4	8.0	8.0	32.9	32.9	91.3	91.4	6.8	6.8	8.5	12	88	12	12	89	821468	812024	<0.2	1.6	1.7	1.7			
						4.0	0.3	82	20.4	20.4	8.0	8.0	32.9	32.9	91.4	91.4	6.8	6.8	8.5	12	90	12	12	89	821468	812024	<0.2	1.7	1.7	1.7			
					Bottom	7.0	0.3	84	20.4	20.4	8.0	8.0	32.9	32.9	93.8	94.2	7.0	7.0	9.0	12	91	12	12	9	9	89	821468	812024	<0.2	1.7	1.7	1.7	
						7.0	0.3	85	20.4	20.4	8.0	8.0	32.9	32.9	94.5	94.5	7.0	7.0	8.9	12	93	12	12	9	9	89	821468	812024	<0.2	1.5	1.7	1.7	
SR1A	Fine	Moderate	11:12	5.0	Surface	1.0	-	-	20.5	20.5	8.0	8.0	32.9	32.9	90.5	90.7	6.7	6.7	5.8	11	-	-	819981	812666	-	-	-	-	-				
						1.0	-	-	20.5	20.5	8.0	8.0	32.9	32.9	90.8	90.8	6.7	6.7	5.8	12	-	-	-	-	819981	812666	-	-	-	-	-		
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819981	812666	-	-	-	-	-	
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819981	812666	-	-	-	-	-
					Bottom	4.0	-	-	20.5	20.5	8.0	8.0	32.9	32.9	92.4	92.8	6.9	6.9	6.1	13	-	-	-	-	-	819981	812666	-	-	-	-	-	
						4.0	-	-	20.5	20.5	8.0	8.0	32.9	32.9	93.1	93.1	6.9	6.9	6.1	12	-	-	-	-	-	-	819981	812666	-	-	-	-	-
SR2	Fine	Moderate	10:57	4.0	Surface	1.0	0.2	104	20.4	20.4	8.0	8.0	33.0	33.0	92.6	92.7	6.9	6.9	6.6	10	86	89	821440	814177	<0.2	1.7	1.7	1.7					
						1.0	0.2	104	20.4	20.4	8.0	8.0	33.0	33.0	92.8	92.8	6.9	6.9	6.6	9	88	9	9	89	821440	814177	<0.2	1.6	1.7	1.7			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821440	814177	<0.2	1.6	1.7	1.7	1.7	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821440	814177	<0.2	1.6	1.7	1.7	1.7
					Bottom	3.0	0.1	90	20.4	20.4	8.0	8.0	33.0	33.0	94.5	94.5	7.0	7.0	6.5	9	88	9	9	9	89	821440	814177	<0.2	1.6	1.7	1.7		
						3.0	0.1	97	20.4	20.4	8.0	8.0	33.0	33.0	94.5	94.5	7.0	7.0	6.5	8	90	8	8	9	9	89	821440	814177	<0.2	1.5	1.7	1.7	
SR3	Fine	Moderate	12:09	8.8	Surface	1.0	0.4	106	20.6	20.6	8.0	8.0	31.8	31.8	91.9	92.0	6.9	6.9	4.9	13	-	-	822158	807584	-	-	-	-	-				
						1.0	0.5	112	20.6	20.6	8.0	8.0	31.8	31.8	92.0	92.0	6.9	6.9	4.9	14	-	-	-	-	822158	807584	-	-	-	-	-		
					Middle	4.4	0.4	111	20.4	20.4	8.0	8.0	32.2	32.2	93.0	93.1	6.9	6.9	6.3	14	-	-	-	-	822158	807584	-	-	-	-	-		
						4.4	0.4	115	20.4	20.4	8.0	8.0	32.2	32.2	93.1	93.1	6.9	6.9	6.3	14	-	-	-	-	-	822158	807584	-	-	-	-	-	
					Bottom	7.8	0.4	102	20.3	20.3	8.0	8.0	32.9	32.9	95.0	95.1	7.1	7.1	17.1	11	-	-	-	-	-	822158	807584	-	-	-	-	-	
						7.8	0.4	106	20.3	20.3	8.0	8.0	32.9	32.9	95.2	95.1	7.1	7.1	18.2	12	-	-	-	-	-	-	822158	807584	-	-	-	-	-
SR4A	Fine	Calm	11:01	8.9	Surface	1.0	0.1	293	20.3	20.3	7.7	7.7	33.0	33.0	96.3	96.4	7.2	7.2	5.7	13	-	-	817197	807805	-	-	-	-	-				
						1.0	0.1	311	20.3	20.3	7.7	7.7	33.0	33.0	96.4	96.4	7.2	7.2	6.0	12	-	-	-	-	817197	807805	-	-	-	-	-		
					Middle	4.5	0.1	333	20.3	20.3	7.7	7.7	33.0	33.0	96.5	96.4	7.2	7.2	7.0	12	-	-	-	-	-	817197	807805	-	-	-	-	-	
						4.5	0.1	335	20.3	20.3	7.7	7.7	33.0	33.0	96.2	96.2	7.2	7.2	7.1	12	-	-	-	-	-	-	817197	807805	-	-	-	-	-
					Bottom	7.9	0.1	345	20.3	20.3	7.7	7.7	33.0	33.0	96.0	96.0	7.2	7.2	8.3	14	-	-	-	-	-	-	817197	807805	-	-	-	-	-
						7.9																											

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

Water Quality Monitoring Results on 24 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	16:30	8.3	Surface	1.0	0.3	6	20.3	20.3	7.7	7.7	32.9	32.9	98.1	98.1	7.3	3.7	13	85	89	85	85	89	89	815619	804265	<0.2	1.2	<0.2	1.0					
						1.0	0.4	6	20.3	20.3	7.7	7.7	32.9	32.9	98.1	98.1	7.3	3.8	14	86	89	86	86	89	86	89	86	86	89	86	86	89	86			
					Middle	4.2	0.4	29	20.2	20.2	7.7	7.7	33.5	33.5	97.6	97.5	7.3	5.9	13	13	13	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
						4.2	0.4	30	20.2	20.2	7.7	7.7	33.5	33.5	97.4	97.4	7.3	6.1	13	13	13	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
						7.3	0.3	20	20.2	20.2	7.7	7.7	33.8	33.8	97.0	97.0	7.2	7.6	13	13	13	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
						7.3	0.3	20	20.2	20.2	7.7	7.7	33.8	33.8	97.1	97.1	7.2	7.5	14	14	14	92	92	92	92	92	92	92	92	92	92	92	92	92	92	92
C2	Fine	Moderate	15:25	11.9	Surface	1.0	0.3	320	20.6	20.6	7.9	7.9	31.6	31.6	91.0	91.0	6.8	4.6	14	87	89	87	87	89	89	825690	806942	<0.2	1.7	<0.2	1.8					
						1.0	0.4	329	20.6	20.6	7.9	7.9	31.6	31.6	91.0	91.0	6.8	4.7	13	86	89	86	86	89	86	86	89	86	86	89	86	86				
					Middle	6.0	0.3	28	20.6	20.6	8.0	8.0	31.6	31.7	90.9	90.9	6.8	7.3	12	12	12	89	89	89	89	89	89	89	89	89	89	89	89	89	89	
						6.0	0.3	30	20.6	20.6	8.0	8.0	31.7	31.7	90.9	90.9	6.8	7.3	11	11	11	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						10.9	0.3	341	20.5	20.5	8.0	8.0	31.8	31.8	91.1	91.2	6.8	15.3	10	10	10	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						10.9	0.4	314	20.5	20.5	8.0	8.0	31.8	31.8	91.2	91.2	6.8	14.5	12	12	12	92	92	92	92	92	92	92	92	92	92	92	92	92	92	
C3	Fine	Moderate	17:07	11.7	Surface	1.0	0.4	288	20.9	20.9	8.0	8.0	33.2	33.2	88.6	88.6	6.5	3.6	10	86	88	86	88	88	88	822106	817800	<0.2	1.7	<0.2	1.7					
						1.0	0.5	307	20.9	20.9	8.0	8.0	33.2	33.2	88.5	88.5	6.5	3.6	10	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
					Middle	5.9	0.5	271	20.6	20.6	8.0	8.0	33.3	33.3	86.4	86.4	6.4	4.8	9	9	9	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						5.9	0.5	281	20.6	20.6	8.0	8.0	33.4	33.4	86.4	86.4	6.4	4.8	10	10	10	88	88	88	88	88	88	88	88	88	88	88	88	88		
						10.7	0.5	280	20.5	20.5	8.0	8.0	33.5	33.5	88.3	88.3	6.5	5.8	10	10	10	90	90	90	90	90	90	90	90	90	90	90	90	90	90	
						10.7	0.5	280	20.5	20.5	8.0	8.0	33.5	33.5	89.0	89.0	6.6	5.9	11	11	11	91	91	91	91	91	91	91	91	91	91	91	91	91		
IM1	Fine	Calm	16:11	4.8	Surface	1.0	0.2	10	20.5	20.5	7.7	7.7	33.1	33.1	95.5	95.7	7.1	5.4	16	87	88	87	88	88	88	817930	807155	<0.2	1.2	<0.2	1.2					
						1.0	0.2	10	20.5	20.5	7.7	7.7	33.1	33.1	95.8	95.8	7.1	5.7	14	88	88	88	88	88	88	88	88	88	88	88	88	88				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.8	0.2	331	20.4	20.4	7.7	7.7	33.2	33.2	95.6	95.7	7.1	7.8	15	15	15	93	93	93	93	93	93	93	93	93	93	93	93	93	93	
						3.8	0.2	305	20.4	20.4	7.7	7.7	33.2	33.2	95.8	95.8	7.1	7.6	14	14	14	94	94	94	94	94	94	94	94	94	94	94	94	94	94	
IM2	Fine	Moderate	16:04	6.8	Surface	1.0	0.1	341	20.4	20.4	7.7	7.7	33.1	33.1	98.0	98.0	7.3	5.1	17	87	87	87	87	87	87	818155	806174	<0.2	1.2	<0.2	1.1					
						1.0	0.1	341	20.4	20.4	7.7	7.7	33.1	33.1	97.9	97.9	7.3	5.2	17	87	87	87	87	87	87	87	87	87	87	87	87	87				
					Middle	3.4	0.1	352	20.4	20.4	7.7	7.7	33.1	33.1	96.7	96.7	7.2	6.2	17	17	17	91	91	91	91	91	91	91	91	91	91	91	91	91	91	
						3.4	0.1	324	20.4	20.4	7.7	7.7	33.1	33.1	96.7	96.7	7.2	6.2	17	17	17	92	92	92	92	92	92	92	92	92	92	92	92	92		
						5.8	0.1	14	20.3	20.3	7.7	7.7	33.1	33.1	97.0	97.0	7.2	7.0	15	15	15	93	93	93	93	93	93	93	93	93	93	93	93	93		
						5.8	0.1	15	20.3	20.3	7.7	7.7	33.1	33.1	97.2	97.2	7.2	7.0	17	17	17	94	94	94	94	94	94	94	94	94	94	94	94	94		
IM3	Fine	Moderate	15:56	7.1	Surface	1.0	0.1	315	20.4	20.4	7.7	7.7	33.1	33.1	98.5	98.4	7.3	6.3	17	88	87	88	88	88	88	818797	805575	<0.2	1.2	<0.2	1.1					
						1.0	0.1	325	20.4	20.4	7.7	7.7	33.1	33.1	98.3	98.3	7.3	6.3	19	87	87	87	87	87	87	87	87	87	87	87	87					
					Middle	3.6	0.1	21	20.3	20.3	7.7	7.7	33.1	33.1	98.0	98.0	7.3	6.5	17	17	17	92	92	92	92	92	92	92	92	92	92	92	92	92		
						3.6	0.1	21	20.3	20.3	7.7	7.7	33.1	33.1	97.9	97.9	7.3	6.5	17	17	17	92	92	92	92	92	92	92	92	92	92	92	92			
						6.1	0.2	46	20.3	20.3	7.7	7.7	33.1	33.1	97.7	97.7	7.3	7.0	17	17	17	93	93	93	93	93	93	93	93	93	93	93	93			
						6.1	0.2	50	20.3	20.3	7.7	7.7	33.1	33.1	97.8	97.8	7.3	7.0	18	18	18	93	93	93	93	93	93	93	93	93	93	93				
IM4	Fine	Moderate	15:48	7.8	Surface	1.0	0.1	222	20.3	20.3	7.7	7.7	33.1	33.1	97.8	97.8	7.3	7.5	20	87	88	87	88	88	88	819745	804614	<0.2	1.2	<0.2	1.3					
						1.0	0.1	228	20.3	20.3	7.7	7.7	33.1	33.1	97.7	97.7	7.3	7.5	18	18	18	88	88	88	88	88	88	88	88	88	88					
					Middle	3.9	0.0	286	20.3	20.3	7.7	7.7	33.1	33.1	98.1	98.1	7.3	8.0	19	19	19	93	93	93	93	93	93	93	93	93	93	93	93			
						3.9	0.0	302	20.3	20.3	7.7	7.7	33.1	33.1	98.3	98.2	7.3	8.1	17	17	17	92	92	92	92	92	92	92	92	92	92					
						6.8	0.1	111	20.3	20.3	7.7	7.7	33.1	33.1	98.1	98.0	7.3	8.4	18	18	18	94	94	94	94	94	94	94	94	94	94					
						6.8	0.1	112	20.3	20.3	7.7	7.7	33.1	33.1	97.9	98.0	7.3	8.5	19	19	19	94	94	94	94	94	94	94	94	94						
IM5	Fine	Moderate	15:40	7.0	Surface	1.0	0.0	246	20.4	20.4	7.6	7.6	33.0	33.0	96.9	96.8	7.2	9.3	17	87	87	87	87	87	87	820725	804852	<0.2	1.4	<0.2	1.2					
						1.0	0.0	248	20.4	20.4	7.6	7.6	33.0	33.0	96.7	96.7	7.2	9.4	18	18	18	87	87	87	87	87	87	87	87	87						
					Middle	3.5	0.																													

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

Water Quality Monitoring Results on 24 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	15:45	7.6	Surface	1.0	0.1	236	20.5	20.5	8.0	8.0	32.1	32.1	93.0	93.1	6.9	7.9	17	86	89	822086	808797	<0.2	1.5	1.7				
						1.0	0.1	255	20.5	8.0	8.0	32.2	32.1	93.1	93.1	6.9	8.5	15	87	<0.2	1.5									
						3.8	0.1	312	20.5	20.5	8.0	8.0	32.4	32.4	93.2	93.3	6.9	11.0	14	88	<0.2	1.8								
					3.8	0.1	315	20.5	8.0	8.0	32.4	32.4	93.3	93.3	7.0	10.7	13	90	<0.2	1.8										
					6.6	0.1	10	20.3	20.3	8.0	8.0	32.9	32.9	93.9	93.9	7.0	12.9	12	90	<0.2	1.8									
					6.6	0.1	10	20.3	20.3	8.0	8.0	32.9	32.9	93.9	93.9	7.0	12.9	13	91	<0.2	1.8									
IM10	Fine	Moderate	15:51	7.4	Surface	1.0	0.5	288	20.6	20.7	8.0	8.0	31.9	31.9	92.1	92.1	6.9	6.3	16	86	88	822391	809806	<0.2	1.6	1.6				
						1.0	0.5	313	20.7	20.5	8.0	8.0	31.9	31.9	92.1	92.1	6.9	6.2	16	87	<0.2	1.6								
						3.7	0.5	303	20.5	20.5	8.0	8.0	32.4	32.4	91.6	91.6	6.8	7.8	11	88	<0.2	1.6								
					3.7	0.5	329	20.5	20.5	8.0	8.0	32.4	32.4	91.6	91.6	6.8	7.7	12	87	<0.2	1.7									
					6.4	0.5	298	20.5	20.5	8.0	8.0	32.9	32.9	92.7	92.8	6.9	6.5	9	89	<0.2	1.5									
					6.4	0.6	306	20.5	20.5	8.0	8.0	32.9	32.9	92.9	92.9	6.9	6.5	8	90	<0.2	1.4									
IM11	Fine	Moderate	16:00	8.6	Surface	1.0	0.5	294	20.5	20.5	8.0	8.0	32.9	32.9	92.0	92.0	6.8	5.5	17	86	89	822034	811479	<0.2	1.4	1.4				
						1.0	0.6	314	20.5	20.5	8.0	8.0	32.9	32.9	91.9	91.9	6.8	5.5	19	87	<0.2	1.3								
						4.3	0.5	283	20.5	20.5	8.0	8.0	32.9	32.9	91.9	92.0	6.8	5.4	14	89	<0.2	1.4								
					4.3	0.5	290	20.5	20.5	8.0	8.0	32.9	32.9	93.1	93.1	6.9	6.0	15	90	<0.2	1.4									
					7.6	0.4	296	20.5	20.5	8.0	8.0	33.0	32.9	93.1	93.1	6.9	6.0	16	92	<0.2	1.4									
					7.6	0.5	309	20.5	20.5	8.0	8.0	32.9	32.9	93.3	93.2	6.9	6.0	16	92	<0.2	1.3									
IM12	Fine	Moderate	16:06	8.7	Surface	1.0	0.1	243	20.5	20.5	8.0	8.0	32.9	32.9	90.7	90.7	6.7	5.7	14	87	89	821457	812057	<0.2	1.5	1.5				
						1.0	0.1	262	20.5	20.5	8.0	8.0	32.9	32.9	90.7	90.7	6.7	5.6	14	86	<0.2	1.5								
						4.4	0.1	301	20.5	20.5	8.0	8.0	32.9	32.9	90.9	91.0	6.7	5.5	14	89	<0.2	1.4								
					4.4	0.1	303	20.5	20.5	8.0	8.0	32.9	32.9	91.0	91.0	6.8	5.6	15	89	<0.2	1.3									
					7.7	0.1	342	20.5	20.5	8.0	8.0	33.0	33.0	92.4	92.4	6.9	6.2	16	90	<0.2	1.6									
					7.7	0.1	315	20.5	20.5	8.0	8.0	33.0	33.0	92.6	92.5	6.9	6.1	18	91	<0.2	1.5									
SR1A	Fine	Moderate	16:27	5.1	Surface	1.0	-	-	20.6	20.6	8.0	8.0	32.9	32.9	91.3	91.4	6.8	5.9	13	-	-	819971	812666	-	-	-				
						1.0	-	-	20.6	20.6	8.0	8.0	32.9	32.9	91.4	91.4	6.8	5.9	12	-	-	-	-							
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					4.1	-	-	20.6	20.6	8.0	8.0	32.9	32.9	92.7	92.8	6.9	6.2	17	-	-	-	-								
					4.1	-	-	20.6	20.6	8.0	8.0	32.9	32.9	92.9	92.9	6.9	6.2	18	-	-	-	-								
SR2	Fine	Moderate	16:47	4.8	Surface	1.0	0.6	311	20.6	20.6	8.0	8.0	33.0	33.0	91.5	91.6	6.8	5.0	15	86	89	821477	814179	<0.2	1.4	1.5				
						1.0	0.6	316	20.6	20.6	8.0	8.0	33.0	33.0	91.7	91.7	6.8	5.1	14	88	<0.2	1.4								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					3.8	0.4	326	20.6	20.6	8.0	8.0	33.0	33.0	92.7	93.0	6.9	5.8	14	90	<0.2	1.5									
					3.8	0.4	354	20.6	20.6	8.0	8.0	33.0	33.0	93.2	93.0	6.9	5.7	16	90	<0.2	1.5									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
SR3	Fine	Moderate	15:34	8.2	Surface	1.0	0.1	88	20.5	20.5	8.0	8.0	32.1	32.1	93.4	93.5	7.0	5.4	14	-	-	822148	807571	-	-	-				
						1.0	0.1	94	20.5	20.5	8.0	8.0	32.1	32.1	93.5	94.0	7.0	5.4	13	-	-	-	-							
						4.1	0.1	296	20.5	20.5	8.0	8.0	32.3	32.3	93.9	94.0	7.0	7.2	11	-	-	-	-							
					4.1	0.1	305	20.4	20.5	8.0	8.0	32.4	32.3	94.0	94.0	7.0	7.9	10	-	-	-	-								
					7.2	0.1	283	20.3	20.3	8.0	8.0	32.8	32.8	94.2	94.2	7.0	11.7	10	-	-	-	-								
					7.2	0.1	284	20.3	20.3	8.0	8.0	32.8	32.8	94.2	94.2	7.0	12.2	10	-	-	-	-								
SR4A	Fine	Moderate	16:51	9.0	Surface	1.0	0.1	231	20.5	20.5	7.7	7.7	33.1	33.1	97.5	97.5	7.2	4.6	13	-	-	817195	807791	-	-	-				
						1.0	0.1	245	20.5	20.5	7.7	7.7	33.1	33.1	97.4	97.4	7.2	4.7	13	-	-	-	-							
						4.5	0.1	244	20.4	20.4	7.7	7.7	33.1	33.1	96.9	96.8	7.2	5.7	13	-	-	-	-							
					4.5	0.1	244	20.4	20.4	7.7	7.7	33.1	33.1	96.7	96.7	7.2	5.7	14	-	-	-	-								
					8.0	0.1	248	20.3	20.3	7.7	7.7	33.1	33.1	96.9	97.1	7.2	7.3	14	-	-	-	-								
					8.0	0.1	255	20.3	20.3	7.7	7.7	33.1	33.1	97.3	97.3	7.2	7.5	15	-	-	-	-								
SR5A	Fine	Calm	17:08	5.1	Surface	1.0	0.2	236	20.8	20.8	7.7	7.7	33.0	33.0	96.0	95.9	7.1	4.6	17	-	-	816587	810704	-	-	-				
						1.0	0.2	254	20.8	20.8	7.7	7.7	33.0	33.0	95.8	95.8	7.1	4.7	17	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					4.1	0.2	231	20.7	20.7	7.7	7.7	33.0	33.0	95.6	95.7	7.1	5.0	12	-	-	-	-								
					4.1	0.2	231	20.7	20.7	7.7	7.7	33.0	33.0	95.7	95.7	7.1	5.0	13	-	-	-	-								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
SR6A	Fine	Calm	17:32	4.1	Surface	1.0	0.1	344	20.9	20.9	7.7	7.7	33.0	33.0	93.0	92.9	6.9	3.1	10	-	-	817945	814749	-	-	-				
						1.0	0.1	316	20.9	20.9	7.7	7.7	33.0	33.0	92.8	92.8	6.8	3.2	11	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					3.1	0.0	14	20.8	20.8	7.7	7.7	32.9	32.9	94.9	95.0	7.0	3.5	10	-	-	-	-								
					3.1	0.0	15	20.8	20.8	7.7	7.7	32.9	32.9	95.1	95.0	7.0	3.4	11	-	-	-	-								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
SR7	Fine	Moderate	17:32	16.5	Surface	1.0	0.1	204	20.6	20.6	7.9	7.9	33.5	33.5	84.3	84.3	6.2	2.8	12	-	-	823634	823760	-	-	-				
						1.0	0.1	218	20.6	20.6	7.9	7.9	33.5	33.5	84.2	84.2	6.2	2.8	11	-	-	-	-							
						8.3	0.2	217	20.5	20.5	7.9	7.9	33.6	33.6	84.0	84.1	6.2	3.1	10	-	-	-	-							
					8.3	0.2	233	20.5	20.5	7.9	7.9	33.6	33.6	84.1	84.1	6.2	3.1	11	-	-	-	-								
					15.5	0.1	150	20.5	20.5	8.0	8.0	33.6	33.6	85.2	85.4	6.3	4.6	9	-	-	-	-								
					15.5	0.1	164	20.5	20.5	8.0	8.0	33.6	33.6	85.6	85.6	6.3	4.4	10	-	-	-	-								
SR8	Fine	Moderate	16:15																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Foggy	Moderate	12:38	9.0	Surface	1.0	0.2	51	20.8	20.8	8.0	8.0	31.1	31.1	98.9	98.9	7.4	7.4	6.0	10	85	90	815619	804238	<0.2	2.1	<0.2	2.1			
						1.0	0.3	55	20.8	8.0	8.0	31.1	31.1	98.9	98.9	7.4	7.4	6.0	11	86	90	815619	804238	<0.2	2.1						
					Middle	4.5	0.2	67	20.5	20.5	8.0	8.0	31.3	31.3	95.5	95.5	7.2	6.7	8.6	9	91	90	815619	804238	<0.2	2.1					
						4.5	0.2	67	20.5	20.5	8.0	8.0	31.3	31.3	95.5	95.5	7.2	6.7	8.6	10	90	90	815619	804238	<0.2	2.1					
					Bottom	8.0	0.1	305	20.4	20.4	8.0	8.0	32.3	32.3	94.3	94.3	7.0	13.1	8	8	94	94	815619	804238	<0.2	2.1					
						8.0	0.1	309	20.4	20.4	8.0	8.0	32.3	32.3	94.3	94.3	7.0	13.1	8	8	94	94	815619	804238	<0.2	2.1					
C2	Fine	Rough	11:36	11.2	Surface	1.0	0.5	87	21.1	21.1	7.6	7.6	30.5	30.5	95.2	95.3	7.1	2.3	7	8	83	88	825668	806922	<0.2	2.3	<0.2	2.3			
						1.0	0.5	87	21.1	21.1	7.6	7.6	30.5	30.5	95.4	95.4	7.1	2.3	7	7	84	88	825668	806922	<0.2	2.3					
					Middle	5.6	0.3	92	21.0	21.0	7.7	7.7	31.0	31.0	96.1	96.3	7.2	3.6	8	8	88	88	825668	806922	<0.2	2.3					
						5.6	0.3	94	21.0	21.0	7.7	7.7	31.0	31.0	96.4	96.4	7.2	3.7	8	8	88	88	825668	806922	<0.2	2.3					
					Bottom	10.2	0.0	203	20.9	20.9	7.7	7.7	31.8	31.7	96.5	96.5	7.2	4.9	9	9	91	91	825668	806922	<0.2	2.3					
						10.2	0.0	222	20.9	20.9	7.7	7.7	31.7	31.7	96.4	96.4	7.2	4.8	9	9	92	92	825668	806922	<0.2	2.2					
C3	Fine	Rough	13:23	11.3	Surface	1.0	0.2	151	21.0	21.0	7.7	7.7	32.6	32.6	93.3	93.3	6.9	2.1	8	8	83	87	822114	817793	<0.2	1.8	<0.2	1.9			
						1.0	0.2	152	21.0	21.0	7.7	7.7	32.6	32.6	93.3	93.3	6.9	2.1	8	8	83	87	822114	817793	<0.2	1.8					
					Middle	5.7	0.3	89	21.0	21.0	7.7	7.7	32.7	32.7	92.8	92.8	6.8	2.7	8	8	87	87	822114	817793	<0.2	1.8					
						5.7	0.3	92	21.0	21.0	7.7	7.7	32.7	32.7	92.8	92.8	6.8	2.7	8	8	87	87	822114	817793	<0.2	1.8					
					Bottom	10.3	0.3	66	20.8	20.8	7.7	7.7	33.1	33.1	90.3	90.4	6.7	2.5	6	6	91	91	822114	817793	<0.2	2.0					
						10.3	0.3	68	20.8	20.8	7.7	7.7	33.1	33.1	90.4	90.4	6.7	2.5	6	6	91	91	822114	817793	<0.2	1.9					
IM1	Foggy	Moderate	12:19	5.4	Surface	1.0	0.1	88	21.1	21.1	8.0	8.0	31.2	31.2	100.3	100.3	7.4	6.5	7	8	87	91	817928	807124	<0.2	1.6	<0.2	1.7			
						1.0	0.1	88	21.1	21.1	8.0	8.0	31.2	31.2	100.3	100.3	7.4	6.5	7	7	88	91	817928	807124	<0.2	1.6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	817928			807124	<0.2	1.6
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91			817928	807124	<0.2
					Bottom	4.4	0.1	214	20.9	20.9	8.0	8.0	31.9	31.9	97.8	97.8	7.2	8.3	9	9	93	94	817928	807124	<0.2	1.7					
						4.4	0.1	221	20.9	20.9	8.0	8.0	31.9	31.9	97.8	97.8	7.2	8.3	10	10	94	94	817928	807124	<0.2	1.6					
IM2	Foggy	Moderate	12:12	6.9	Surface	1.0	0.2	28	21.0	21.0	8.0	8.0	31.2	31.2	98.1	98.1	7.3	6.9	10	10	86	91	818163	806183	<0.2	1.6	<0.2	1.6			
						1.0	0.2	29	21.0	21.0	8.0	8.0	31.2	31.2	98.1	98.1	7.3	6.9	10	10	87	91	818163	806183	<0.2	1.6					
					Middle	3.5	0.2	119	20.7	20.7	8.0	8.0	31.7	31.7	95.8	95.8	7.1	8.5	11	11	91	91	818163	806183	<0.2	1.6					
						3.5	0.2	119	20.7	20.7	8.0	8.0	31.7	31.7	95.7	95.7	7.1	8.5	12	12	91	91	818163	806183	<0.2	1.6					
					Bottom	5.9	0.0	30	20.7	20.7	8.0	8.0	32.1	32.1	95.3	95.3	7.1	8.5	13	13	94	95	818163	806183	<0.2	1.7					
						5.9	0.0	30	20.7	20.7	8.0	8.0	32.1	32.1	95.3	95.3	7.1	8.5	12	12	95	95	818163	806183	<0.2	1.6					
IM3	Foggy	Moderate	12:05	7.3	Surface	1.0	0.1	157	20.9	20.9	8.0	8.0	31.4	31.4	96.9	96.8	7.2	7.5	10	10	86	90	818774	805593	<0.2	1.5	<0.2	1.6			
						1.0	0.1	166	20.9	20.9	8.0	8.0	31.4	31.4	96.7	96.7	7.2	7.5	10	10	87	90	818774	805593	<0.2	1.5					
					Middle	3.7	0.0	273	20.7	20.7	8.0	8.0	31.7	31.7	94.9	94.9	7.1	9.9	10	10	90	90	818774	805593	<0.2	1.6					
						3.7	0.0	273	20.7	20.7	8.0	8.0	31.7	31.7	94.9	94.9	7.1	10.0	10	10	90	90	818774	805593	<0.2	1.6					
					Bottom	6.3	0.2	262	20.5	20.5	8.0	8.0	32.3	32.3	93.8	93.8	7.0	11.7	9	9	95	94	818774	805593	<0.2	1.5					
						6.3	0.2	278	20.5	20.5	8.0	8.0	32.3	32.3	93.8	93.8	7.0	11.6	8	8	94	94	818774	805593	<0.2	1.6					
IM4	Foggy	Moderate	11:56	7.6	Surface	1.0	0.1	198	21.0	21.0	8.0	8.0	30.9	30.9	98.2	98.2	7.3	7.2	8	8	85	90	819727	804627	<0.2	1.6	<0.2	1.7			
						1.0	0.1	209	21.0	21.0	8.0	8.0	30.9	30.9	98.2	98.2	7.3	7.3	9	9	86	90	819727	804627	<0.2	1.7					
					Middle	3.8	0.0	84	20.7	20.7	8.0	8.0	31.7	31.7	95.6	95.6	7.1	9.4	8	8	90	90	819727	804627	<0.2	1.8					
						3.8	0.0	89	20.7	20.7	8.0	8.0	31.7	31.7	95.6	95.6	7.1	9.5	8	8	90	90	819727	804627	<0.2	1.7					
					Bottom	6.6	0.2	240	20.6	20.6	8.0	8.0	31.9	31.9	94.1	94.2	7.0	13.6	8	8	94	94	819727	804627	<0.2	1.8					
						6.6	0.2	251	20.6	20.6	8.0	8.0	31.9	31.9	94.2	94.2	7.0	13.4	8	8	94	94	819727	804627	<0.2	1.8					
IM5	Foggy	Moderate	11:49	7.4	Surface	1.0	0.4	55	20.8	20.8	8.0	8.0	31.7	31.7	96.2	96.2	7.2	9.6	9	10	87	90	820741	804886	<0.2	1.4	<0.2	1.5			
						1.0	0.4	56	20.8	20.8	8.0	8.0	31.7	31.7	96.1	96.1	7.1	9.5	10	10	88	91	820741	804886	<0.2	1.5					
					Middle	3.7	0.3	44	20.7	20.7	8.0	8.0	31.8	31.8	94.2	94.2	7.0	10.7	11	11	91	91	820741	804886	<0.2	1.5					
						3.7	0.3	44	20.7	20.7	8.0	8.0	31.8	31.8	94.2	94.2	7.0	10.8	13	13	91	91	820741	804886	<0.2	1.5					
					Bottom	6.4	0.2	50	20.6	20.6	8.0	8.0	32.0	32.0	93.3	93.3	7.0	15.8	13	13	92	92	820741	804886	<0.2	1.6					
						6.4	0.2	53	20.6	20.6	8.0	8.0	32.0	32.0	93.3	93.3	7.0	16.2	14	14	92	92	820741	804886	<0.2	1.6					
IM6	Foggy	Moderate	11:41	7.8	Surface	1.0	0.0	316	20.9	20.9	8.0	8.0	31.6	31.6	94.8	94.8	7.0	6.6	10	10	85	90	821064	805837	<0.2	1.7	<0.2	1.6			
						1.0	0.0	327	20.9	20.9	8.0	8.0	31.6	31.6	94.8	94.8	7.0	6.6	9	9	86	91	821064	805837	<0.2	1.7					
					Middle	3.9	0.0	289	20.7	20.7	8.0	8.0	32.0	32.0	94.1	94.1	7.0	9.7	10	10	91	91	821064	805837	<0.2	1.5					
						3.9	0.0	296	20.7	20.7	8.0	8.0	32.0	32.0	94.1	94.1	7.0	9.8	11	11	93	93	821064	805837	<0.2	1					

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
						Value	Average		Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
						Value	Average		Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Rough	12:10	7.1	Surface	1.0	0.3	119	21.2	21.2	7.6	7.6	30.7	30.7	97.7	97.6	7.3	7.3	3.0	7	83	88	822115	808799	<0.2	2.1	2.1	2.0		
						1.0	0.3	123	21.2	21.2	7.6	7.6	30.7	30.7	97.4	97.4	7.2	7.2	3.0	6	84	88	<0.2	2.1	2.1	2.0				
					Middle	3.6	0.2	119	20.8	20.8	7.7	7.7	31.7	31.7	96.0	96.1	7.1	7.1	4.6	8	88	88	<0.2	1.7	1.7	1.9				
						3.6	0.2	122	20.8	20.8	7.7	7.7	31.7	31.7	96.1	96.1	7.1	7.1	4.6	9	89	89	<0.2	1.7	1.7	1.9				
					Bottom	6.1	0.2	113	20.7	20.7	7.7	7.7	32.2	32.2	96.7	96.8	7.2	7.2	6.0	11	91	91	<0.2	1.9	1.9	2.0				
						6.1	0.2	115	20.7	20.7	7.7	7.7	32.2	32.2	96.9	96.8	7.2	7.2	6.0	12	91	91	<0.2	2.0	2.0	2.0				
IM10	Fine	Rough	12:17	6.7	Surface	1.0	0.4	116	21.1	21.1	7.6	7.6	31.2	31.2	95.9	95.8	7.1	7.1	2.7	9	80	84	822408	809807	<0.2	2.0	2.0	1.9		
						1.0	0.4	117	21.1	21.1	7.6	7.6	31.2	31.2	95.7	95.7	7.1	7.1	2.8	9	84	88	<0.2	2.0	2.0	1.9				
					Middle	3.4	0.2	106	20.8	20.8	7.7	7.7	32.0	32.0	95.3	95.2	7.1	7.1	5.2	9	88	88	<0.2	1.7	1.7	1.9				
						3.4	0.2	109	20.8	20.8	7.7	7.7	32.0	32.0	95.1	95.1	7.1	7.1	5.2	10	88	88	<0.2	1.8	1.8	1.9				
					Bottom	5.7	0.2	112	20.7	20.7	7.7	7.7	32.1	32.1	95.8	95.7	7.1	7.1	6.8	12	92	92	<0.2	2.0	2.0	2.0				
						5.7	0.2	121	20.7	20.7	7.7	7.7	32.1	32.1	95.6	95.7	7.1	7.1	6.8	11	92	92	<0.2	2.1	2.1	2.0				
IM11	Fine	Rough	12:27	6.5	Surface	1.0	0.4	109	21.2	21.2	7.7	7.7	31.2	31.2	96.6	96.5	7.2	7.1	2.1	11	83	84	822060	811480	<0.2	2.0	2.0	2.0		
						1.0	0.4	116	21.2	21.2	7.7	7.7	31.2	31.2	96.4	96.4	7.1	7.1	2.1	10	84	87	<0.2	2.0	2.0	2.0				
					Middle	3.3	0.4	105	21.0	21.0	7.7	7.7	32.0	32.0	96.6	96.7	7.1	7.1	3.5	7	87	88	<0.2	1.9	1.9	1.9				
						3.3	0.4	109	21.0	21.0	7.7	7.7	32.0	32.0	96.7	96.7	7.1	7.1	3.5	7	88	88	<0.2	1.9	1.9	1.9				
					Bottom	5.5	0.3	87	20.9	20.9	7.8	7.8	32.4	32.4	95.8	95.7	7.1	7.1	4.6	8	91	91	<0.2	1.9	1.9	2.0				
						5.5	0.3	94	20.9	20.9	7.8	7.8	32.4	32.4	95.6	95.7	7.1	7.1	4.6	7	91	91	<0.2	2.0	2.0	2.0				
IM12	Fine	Rough	12:33	7.0	Surface	1.0	0.3	97	21.1	21.1	7.7	7.7	32.3	32.3	95.7	95.8	7.1	7.1	2.0	9	83	84	821443	812058	<0.2	1.6	1.6	1.7		
						1.0	0.4	100	21.1	21.1	7.7	7.7	32.3	32.3	95.8	95.8	7.1	7.1	2.0	9	84	88	<0.2	1.6	1.6	1.7				
					Middle	3.5	0.4	80	20.9	20.9	7.7	7.7	32.3	32.3	95.2	95.2	7.0	7.0	2.5	8	88	88	<0.2	1.7	1.7	1.8				
						3.5	0.4	86	20.9	20.9	7.7	7.7	32.3	32.3	95.1	95.1	7.0	7.0	2.5	8	88	88	<0.2	1.7	1.7	1.8				
					Bottom	6.0	0.2	95	20.9	20.9	7.7	7.7	32.3	32.3	96.0	96.2	7.1	7.1	3.1	6	92	92	<0.2	1.8	1.8	1.8				
						6.0	0.2	96	20.9	20.9	7.7	7.7	32.3	32.3	96.3	96.2	7.1	7.1	3.1	7	92	92	<0.2	1.8	1.8	1.8				
SR1A	Fine	Rough	12:50	3.2	Surface	1.0	-	-	21.2	21.2	7.7	7.7	32.3	32.3	97.3	97.3	7.2	7.2	2.6	9	-	-	819982	812655	-	-	-	-		
						1.0	-	-	21.2	21.2	7.7	7.7	32.3	32.3	97.3	97.3	7.2	7.2	2.6	8	-	-	-	-	-	-	-			
					Middle	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	-	-	-	-	-	-	-	-
						1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.2	-	-	21.0	21.0	7.7	7.7	32.4	32.4	97.3	97.3	7.2	7.2	3.9	6	-	-	-	-	-	-	-	-	-	-
						2.2	-	-	21.0	21.0	7.7	7.7	32.4	32.4	97.3	97.3	7.2	7.2	3.9	6	-	-	-	-	-	-	-	-	-	-
SR2	Fine	Rough	13:03	3.6	Surface	1.0	0.3	99	21.0	21.0	7.7	7.7	32.3	32.3	97.6	97.6	7.2	7.2	2.7	8	83	83	821449	814186	<0.2	1.7	1.7	1.8		
						1.0	0.4	107	21.0	21.0	7.7	7.7	32.3	32.3	97.6	97.6	7.2	7.2	2.8	9	83	83	<0.2	1.8	1.8	1.8				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.6	0.2	73	21.0	21.0	7.7	7.7	32.4	32.4	97.8	97.8	7.2	7.2	3.6	8	92	92	<0.2	1.8	1.8	1.8				
						2.6	0.3	75	21.0	21.0	7.7	7.7	32.4	32.4	97.8	97.8	7.2	7.2	3.7	8	92	92	<0.2	1.8	1.8	1.8				
SR3	Fine	Rough	11:57	6.5	Surface	1.0	0.4	91	21.2	21.2	7.6	7.6	30.2	30.2	95.9	95.9	7.1	7.1	1.5	6	-	-	822131	807574	-	-	-	-		
						1.0	0.4	84	21.2	21.2	7.6	7.6	30.2	30.2	95.9	95.9	7.1	7.1	1.5	6	-	-	-	-	-	-	-			
					Middle	3.3	0.4	95	21.0	21.0	7.6	7.6	31.2	31.2	95.2	95.1	7.1	7.1	5.9	6	-	-	-	-	-	-	-	-		
						3.3	0.4	101	21.0	21.0	7.6	7.6	31.2	31.2	95.0	95.1	7.1	7.1	5.9	7	-	-	-	-	-	-	-	-		
					Bottom	5.5	0.2	75	20.9	20.9	7.7	7.7	32.0	32.0	94.6	94.6	7.0	7.0	11.6	13	-	-	-	-	-	-	-	-	-	
						5.5	0.3	80	20.9	20.9	7.7	7.7	32.0	32.0	94.6	94.6	7.0	7.0	11.5	14	-	-	-	-	-	-	-	-		
SR4A	Foggy	Calm	13:00	8.6	Surface	1.0	0.2	37	21.0	21.0	8.0	8.0	31.2	31.2	100.1	100.1	7.4	7.4	6.1	11	-	-	817203	807825	-	-	-	-		
						1.0	0.2	39	21.0	21.0	8.0	8.0	31.2	31.2	100.0	100.0	7.4	7.4	6.2	10	-	-	-	-	-	-	-			
					Middle	4.3	0.2	16	20.8	20.8	8.0	8.0	31.5	31.5	96.6	96.6	7.2	7.2	9.6	9	-	-	-	-	-	-	-			
						4.3	0.2	16	20.8	20.8	8.0	8.0	31.5	31.5	96.6	96.6	7.2	7.2	9.6	8	-	-	-	-	-	-	-			
					Bottom	7.6	0.1	9	20.7	20.7	8.0	8.0	32.0	32.0	95.2	95.2	7.1	7.1	10.9	9	-	-	-	-	-	-	-			
						7.6	0.1	9	20.7	20.7	8.0	8.0	32.0	32.0	95.2	95.2	7.1	7.1	10.8	9	-	-	-	-	-	-	-			
SR5A	Foggy	Calm	13:14	4.7	Surface	1.0	0.2	314	21.0	21.0	8.0	8.0	32.4	32.4	95.7	95.7	7.1	7.1	7.1	9	-	-	816610	810692	-	-	-	-		
						1.0	0.2	319	21.0	21.0	8.0	8.0	32.4	32.4	95.7	95.7	7.1	7.1	7.2	8	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.7	0.1	283	21.1	21.1	8.0	8.0	32.5	32.5	96.0	96.1	7.1	7.1	7.6	11	-	-	-	-	-	-	-			
						3.7	0.1	298	21.1	21.1	8.0	8.0	32.5	32.5	96.1	96.1	7.1	7.1	7.5	10	-	-	-	-	-	-	-			
SR6A	Foggy	Calm	13:39	4.4	Surface	1.0	0.1	275	21.3	21.3	8.0	8.0	32.2	32.2	99.7	99.7	7.3	7.3	3.8	8	-	-	817950	814743	-	-</				

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
								Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
C1	Fine	Moderate	07:26	9.0	Surface	1.0	0.1	324	20.7	20.7	8.0	8.0	31.1	31.1	96.0	96.0	7.2	7.2	9.0	9.0	12	12	87	91	815620	804234	<0.2	1.6	<0.2	1.6					
						1.0	0.1	341	20.7	8.0	8.0	31.4	31.4	95.9	95.9	7.2	7.2	9.0	9.0	14	14	88	88	<0.2			1.7								
					Middle	4.5	0.1	344	20.6	20.6	8.0	8.0	31.4	31.4	95.4	95.4	7.1	7.1	10.4	10.4	11	11	90	90			<0.2	1.7							
						4.5	0.1	344	20.6	20.6	8.0	8.0	31.4	31.4	95.4	95.4	7.1	7.1	10.6	10.6	10	10	94	94			<0.2	1.7							
					Bottom	8.0	0.2	349	20.6	20.6	8.0	8.0	32.1	32.1	94.4	94.4	7.0	7.0	13.7	13.7	10	10	94	94			<0.2	1.6							
						8.0	0.2	3	20.6	20.6	8.0	8.0	32.1	32.1	94.4	94.4	7.0	7.0	13.8	13.8	10	10	94	94			<0.2	1.6							
C2	Sunny	Rough	08:57	7.2	Surface	1.0	0.2	210	21.1	21.1	7.7	7.7	30.3	30.3	93.9	94.0	7.0	7.0	1.9	1.9	7	7	83	87	825659	806926	<0.2	2.0	<0.2	2.0					
						1.0	0.2	228	21.1	21.1	7.7	7.7	30.3	30.3	94.0	94.0	7.0	7.0	1.9	1.9	8	8	83	87			<0.2	2.1							
					Middle	3.6	0.3	309	20.9	20.9	7.7	7.7	30.6	30.6	93.4	93.3	7.0	7.0	3.0	3.0	7	7	87	87			<0.2	2.0							
						3.6	0.3	331	20.9	20.9	7.7	7.7	30.5	30.5	93.2	93.2	7.0	7.0	2.9	2.9	7	7	87	87			<0.2	2.0							
					Bottom	6.2	0.3	331	20.9	20.9	7.7	7.7	30.8	30.8	95.2	95.3	7.1	7.1	3.4	3.4	10	10	92	92			<0.2	1.8							
						6.2	0.3	333	20.9	20.9	7.7	7.7	30.8	30.8	95.3	95.3	7.1	7.1	3.3	3.3	10	10	92	92			<0.2	1.9							
C3	Sunny	Rough	07:07	9.7	Surface	1.0	0.5	263	20.9	20.9	7.6	7.6	32.5	32.5	96.4	96.5	7.1	7.1	3.5	3.5	5	5	83	87	822100	817802	<0.2	1.4	<0.2	1.4					
						1.0	0.6	284	20.9	20.9	7.6	7.6	32.5	32.5	96.6	96.5	7.1	7.1	3.6	3.6	5	5	83	87			<0.2	1.4							
					Middle	4.9	0.4	277	20.8	20.8	7.6	7.6	31.6	31.6	94.8	94.7	7.0	7.0	14.1	14.1	20	20	87	87			<0.2	1.4							
						4.9	0.4	283	20.8	20.8	7.6	7.6	31.5	31.6	94.6	94.7	7.0	7.0	14.2	14.2	19	19	88	88			<0.2	1.4							
					Bottom	8.7	0.3	263	20.8	20.8	7.6	7.6	33.0	33.0	90.8	91.0	6.7	6.7	15.6	15.6	40	40	91	91			<0.2	1.4							
						8.7	0.3	280	20.8	20.8	7.6	7.6	33.0	33.0	91.1	91.1	6.7	6.7	15.6	15.6	41	41	91	91			<0.2	1.2							
IM1	Fine	Moderate	07:44	5.3	Surface	1.0	0.0	340	20.8	20.8	8.0	8.0	31.5	31.5	97.6	97.6	7.3	7.3	9.5	9.5	10	10	89	92	817939	807155	<0.2	1.8	<0.2	1.8					
						1.0	0.0	347	20.8	20.8	8.0	8.0	31.5	31.5	97.6	97.6	7.3	7.3	9.5	9.5	11	11	88	88			<0.2	1.8							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-
					Bottom	4.3	0.2	351	20.6	20.6	8.0	8.0	32.1	32.1	95.2	95.2	7.1	7.1	10.0	10.0	10	10	95	95			<0.2	1.8							
						4.3	0.2	323	20.6	20.6	8.0	8.0	32.1	32.1	95.2	95.2	7.1	7.1	10.1	10.1	10	10	95	95			<0.2	1.8							
IM2	Fine	Moderate	07:51	7.6	Surface	1.0	0.3	317	20.8	20.8	8.0	8.0	31.4	31.4	96.7	96.7	7.2	7.2	8.2	8.2	15	15	89	92	818157	806176	<0.2	1.8	<0.2	1.8					
						1.0	0.3	323	20.8	20.8	8.0	8.0	31.4	31.4	96.7	96.7	7.2	7.2	8.2	8.2	14	14	89	89			<0.2	2.0							
					Middle	3.8	0.4	333	20.6	20.6	8.0	8.0	32.0	32.0	94.8	94.8	7.1	7.1	12.0	12.0	13	13	93	93			<0.2	1.9							
						3.8	0.4	357	20.6	20.6	8.0	8.0	32.0	32.0	94.8	94.8	7.1	7.1	12.0	12.0	13	13	93	93			<0.2	2.0							
					Bottom	6.6	0.3	317	20.5	20.5	8.0	8.0	32.3	32.3	94.1	94.1	7.0	7.0	12.2	12.2	10	10	94	94			<0.2	1.8							
						6.6	0.3	337	20.5	20.5	8.0	8.0	32.3	32.3	94.1	94.1	7.0	7.0	12.0	12.0	11	11	94	94			<0.2	1.8							
IM3	Fine	Moderate	07:57	7.8	Surface	1.0	0.5	334	20.8	20.8	8.0	8.0	31.4	31.4	97.1	97.1	7.2	7.2	9.1	9.1	11	11	90	92	818797	805586	<0.2	1.6	<0.2	1.6					
						1.0	0.6	346	20.8	20.8	8.0	8.0	31.4	31.4	97.1	97.1	7.2	7.2	9.0	9.0	11	11	89	89			<0.2	1.7							
					Middle	3.9	0.5	326	20.7	20.7	8.0	8.0	31.8	31.8	94.7	94.7	7.1	7.1	13.9	13.9	12	12	92	92			<0.2	1.6							
						3.9	0.6	334	20.7	20.7	8.0	8.0	31.8	31.8	94.7	94.7	7.1	7.1	13.9	13.9	13	13	92	92			<0.2	1.5							
					Bottom	6.8	0.4	350	20.5	20.5	8.0	8.0	32.2	32.2	93.5	93.5	7.0	7.0	15.9	15.9	12	12	95	95			<0.2	1.6							
						6.8	0.4	340	20.5	20.5	8.0	8.0	32.2	32.2	93.5	93.5	7.0	7.0	15.0	15.0	12	12	95	95			<0.2	1.6							
IM4	Fine	Moderate	08:05	8.2	Surface	1.0	0.4	345	20.7	20.7	8.0	8.0	31.6	31.6	96.1	96.1	7.2	7.2	11.1	11.1	13	13	89	92	819732	804584	<0.2	1.6	<0.2	1.6					
						1.0	0.5	355	20.7	20.7	8.0	8.0	31.6	31.6	96.0	96.0	7.2	7.2	11.2	11.2	13	13	89	89			<0.2	1.5							
					Middle	4.1	0.6	355	20.7	20.7	8.0	8.0	31.7	31.7	95.3	95.3	7.1	7.1	17.0	17.0	14	14	93	93			<0.2	1.5							
						4.1	0.7	332	20.7	20.7	8.0	8.0	31.7	31.7	95.3	95.3	7.1	7.1	15.1	15.1	15	15	92	92			<0.2	1.5							
					Bottom	7.2	0.4	19	20.7	20.7	8.0	8.0	31.7	31.7	94.9	94.9	7.1	7.1	13.3	13.3	17	17	95	95			<0.2	1.4							
						7.2	0.4	20	20.7	20.7	8.0	8.0	31.7	31.7	94.9	94.9	7.1	7.1	13.1	13.1	16	16	95	95			<0.2	1.5							
IM5	Fine	Moderate	08:11	7.3	Surface	1.0	0.2	272	20.8	20.8	8.0	8.0	31.7	31.7	95.1	95.1	7.1	7.1	11.7	11.7	19	19	89	93	820753	804884	<0.2	2.8	<0.2	2.8					
						1.0	0.3	285	20.8	20.8	8.0	8.0	31.7	31.7	95.1	95.1	7.1	7.1	11.6	11.6	18	18	90	90			<0.2	2.6							
					Middle	3.7	0.3	300	20.7	20.7	8.0	8.0	31.9	31.9	93.3	93.3	7.0	7.0	14.2	14.2	17	17	94	94			<0.2	2.5							
						3.7	0.3	315	20.7	20.7	8.0	8.0	31.9	31.9	93.3	93.3	7.0	7.0	14.3	14.3	18	18	94	94			<0.2	2.7							
					Bottom	6.3	0.4	332	20.6	20.6	8.0	8.0	32.0	32.0	93.1	93.1	6.9	6.9	19.1	19.1	16	16	95	95			<0.2	2.0							
						6.3	0.4	336	20.6	20.6	8.0	8.0	32.0	32.0	93.1	93.1	6.9	6.9	19.3	19.3	16	16	96	96			<0.2	1.9							
IM6	Fine	Moderate	08:19	7.4	Surface	1.0	0.2	212	20.8	20.8	8.0	8.0	31.8	31.8	94.3	94.3	7.0	7.0	8.1	8.1	14	14	89	93	821055	805845	<0.2	1.5	<0.2	1.5					
						1.0	0.3	225	20.8	20.8	8.0	8.0	31.8	31.8	94.3	94.3	7.0	7.0	8.1	8.1	15	15	89	89			<0.2	1.6							
					Middle	3.7	0.1	256	20.8	20.8	8.0	8.0	31.8	31.9	94.2	94.2	7.0	7.0	8.3	8.3	14	14	93	93			<0.2	1.5							
						3.7	0.1	269	20.8	20.8	8.0	8.0	31.9	31.9	94.2	94.2	7.0	7.0	8.3	8.3	14	14	94	94											

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

Water Quality Monitoring Results on 28 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	14:10	8.2	Surface	1.0	0.1	138	19.9	19.9	8.0	8.0	32.0	32.0	97.9	97.9	7.4	7.4	11.4	12	86	89	815619	804257	<0.2	1.1	1.0	1.0						
						1.0	0.1	155	19.9	19.9	8.0	8.0	32.0	32.0	97.8	97.8	7.4	7.4	11.5	12	90	88	<0.2	1.1	1.0									
					Middle	4.1	0.1	124	19.9	19.9	8.0	8.0	32.1	32.1	97.7	97.7	7.4	7.4	18.4	12	89	89	<0.2	1.0	1.0									
						4.1	0.1	141	19.9	19.9	8.0	8.0	32.1	32.1	97.7	97.7	7.4	7.4	18.4	12	89	89	<0.2	1.0	1.0									
					Bottom	7.2	0.0	119	19.9	19.9	8.0	8.0	32.1	32.1	97.8	97.8	7.4	7.4	22.5	11	88	88	<0.2	1.0	1.0									
						7.2	0.0	112	19.9	19.9	8.0	8.0	32.1	32.1	97.8	97.8	7.4	7.4	22.4	11	87	87	<0.2	1.0	1.0									
C2	Sunny	Moderate	12:51	11.4	Surface	1.0	0.2	151	20.5	20.5	8.0	8.0	31.0	31.0	93.4	93.4	7.0	7.0	4.2	6	80	83	825700	806953	<0.2	1.7	1.8	1.8						
						1.0	0.3	142	20.5	20.5	8.0	8.0	31.0	31.0	93.3	93.3	7.0	7.0	4.2	6	79	83	<0.2	1.5	1.8	1.8								
					Middle	5.7	0.4	132	20.5	20.5	8.0	8.0	31.3	31.3	90.6	90.6	6.8	6.8	5.3	6	83	83	<0.2	1.8	1.8									
						5.7	0.4	132	20.5	20.5	8.0	8.0	31.3	31.3	90.6	90.6	6.8	6.8	5.3	6	83	83	<0.2	1.8	1.8									
					Bottom	10.4	0.5	148	20.5	20.5	8.0	8.0	31.4	31.4	90.4	90.4	6.8	6.8	7.4	6	88	88	<0.2	2.0	1.8									
						10.4	0.5	152	20.5	20.5	8.0	8.0	31.4	31.4	90.4	90.4	6.8	6.8	7.4	8	87	87	<0.2	1.8	1.8									
C3	Sunny	Moderate	14:28	12.6	Surface	1.0	0.3	72	20.6	20.6	7.9	7.9	33.1	33.1	88.3	88.3	6.5	6.5	2.7	4	80	84	822106	817785	<0.2	1.1	1.0	1.0						
						1.0	0.3	72	20.6	20.6	7.9	7.9	33.1	33.1	88.2	88.2	6.5	6.5	2.7	5	80	84	<0.2	1.0	1.0									
					Middle	6.3	0.1	88	20.5	20.5	7.9	7.9	33.1	33.1	87.6	87.6	6.5	6.5	3.6	6	84	84	<0.2	1.1	1.0									
						6.3	0.1	98	20.5	20.5	7.9	7.9	33.1	33.1	87.6	87.6	6.5	6.5	3.6	6	84	84	<0.2	1.0	1.0									
					Bottom	11.6	0.2	103	20.4	20.4	8.0	8.0	33.2	33.2	87.1	87.1	6.5	6.5	4.4	7	87	88	<0.2	1.0	1.0									
						11.6	0.2	110	20.4	20.4	8.0	8.0	33.2	33.2	87.1	87.1	6.5	6.5	4.5	6	88	88	<0.2	1.0	1.0									
IM1	Fine	Moderate	13:48	5.4	Surface	1.0	0.0	121	19.9	19.9	7.9	7.9	31.7	31.7	97.6	97.7	7.4	7.4	9.8	10	86	88	817932	807127	<0.2	1.3	1.3	1.3						
						1.0	0.0	125	19.9	19.9	7.9	7.9	31.7	31.7	97.8	97.8	7.4	7.4	10.0	10	85	88	<0.2	1.2	1.3	1.3								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.4	0.0	233	19.9	19.9	7.9	7.9	31.7	31.7	98.5	98.6	7.4	7.5	10.7	11	90	90	<0.2	1.3	1.3									
						4.4	0.0	253	19.9	19.9	7.9	7.9	31.7	31.7	98.6	98.6	7.5	7.5	10.7	11	90	90	<0.2	1.2	1.3									
IM2	Fine	Moderate	13:41	7.0	Surface	1.0	0.1	136	20.0	20.0	8.0	8.0	31.7	31.7	97.1	97.1	7.3	7.3	15.8	21	86	88	818164	806164	<0.2	1.3	1.3	1.4						
						1.0	0.1	138	20.0	20.0	8.0	8.0	31.7	31.7	97.1	97.1	7.3	7.3	15.8	22	87	88	<0.2	1.3	1.3	1.4								
					Middle	3.5	0.1	122	19.9	19.9	8.0	8.0	31.8	31.8	97.2	97.3	7.3	7.3	17.8	27	88	87	<0.2	1.4	1.3									
						3.5	0.1	124	19.9	19.9	8.0	8.0	31.8	31.8	97.3	97.3	7.3	7.3	17.6	26	87	87	<0.2	1.3	1.3									
					Bottom	6.0	0.1	127	19.9	19.9	7.9	7.9	31.8	31.8	97.4	97.4	7.4	7.4	26.3	30	90	90	<0.2	1.6	1.4									
						6.0	0.1	128	19.9	19.9	7.9	7.9	31.8	31.8	97.4	97.4	7.4	7.4	26.3	30	90	90	<0.2	1.4	1.4									
IM3	Fine	Moderate	13:34	7.4	Surface	1.0	0.3	139	20.0	20.0	8.0	8.0	31.5	31.5	96.1	96.1	7.3	7.3	15.9	19	86	88	818784	805580	<0.2	1.6	1.5	1.5						
						1.0	0.3	142	20.0	20.0	8.0	8.0	31.5	31.5	96.1	96.1	7.3	7.3	16.0	20	86	88	<0.2	1.5	1.5	1.5								
					Middle	3.7	0.2	140	20.0	20.0	7.9	7.9	31.5	31.5	96.0	96.0	7.3	7.3	15.2	19	88	89	<0.2	1.5	1.3									
						3.7	0.2	145	20.0	20.0	7.9	7.9	31.5	31.5	96.0	96.0	7.3	7.3	17.2	19	89	90	<0.2	1.3	1.3									
					Bottom	6.4	0.2	112	19.9	19.9	7.9	7.9	31.5	31.5	97.1	97.2	7.3	7.4	21.4	19	90	91	<0.2	1.4	1.4									
						6.4	0.2	113	19.9	19.9	7.9	7.9	31.5	31.5	97.3	97.2	7.4	7.4	21.4	18	91	91	<0.2	1.4	1.4									
IM4	Fine	Moderate	13:26	6.7	Surface	1.0	0.4	133	20.0	20.0	8.0	8.0	31.3	31.4	96.0	96.0	7.3	7.3	15.2	21	86	89	819746	804618	<0.2	1.6	1.5	1.5						
						1.0	0.4	113	19.9	19.9	8.0	8.0	31.4	31.4	96.0	96.0	7.3	7.3	15.0	20	87	89	<0.2	1.5	1.5	1.5								
					Middle	3.4	0.4	151	19.9	19.9	8.0	8.0	31.5	31.5	96.4	96.4	7.3	7.3	13.3	20	89	90	<0.2	1.5	1.5									
						3.4	0.4	142	19.9	19.9	8.0	8.0	31.5	31.5	96.4	96.4	7.3	7.3	13.3	21	90	90	<0.2	1.5	1.5									
					Bottom	5.7	0.4	157	19.9	19.9	8.0	8.0	31.6	31.6	96.5	96.6	7.3	7.3	19.8	21	90	91	<0.2	1.4	1.4									
						5.7	0.4	148	19.9	19.9	8.0	8.0	31.6	31.6	96.6	96.6	7.3	7.3	20.0	20	91	91	<0.2	1.5	1.5									
IM5	Fine	Moderate	13:18	7.0	Surface	1.0	0.4	217	20.0	20.0	7.9	7.9	31.2	31.2	95.1	95.1	7.2	7.2	16.1	21	86	88	820750	804863	<0.2	1.7	1.6	1.6						
						1.0	0.4	214	20.0	20.0	7.9	7.9	31.2	31.2	95.1	95.1	7.2	7.2	16.5	21	88	89	<0.2	1.6	1.6	1.6								
					Middle	3.5	0.4	201	20.0	20.0	7.9	7.9	31.2	31.2	95.3	95.4	7.2	7.2	16.1	20	89	90	<0.2	1.5	1.5									
						3.5	0.4	198	20.0	20.0	7.9	7.9	31.2	31.2	95.4	95.4	7.2	7.2	16.6	21	90	90	<0.2	1.5	1.5									
					Bottom	6.0	0.3	185	20.0	20.0	7.9	7.9	31.2	31.2	96.8	96.9	7.3	7.3	20.2	20	90	91	<0.2	1.5	1.5									
						6.0	0.3	187	20.0	20.0	7.9	7.9	31.2	31.2	97.0	97.0	7.3	7.3	20.2	21	91	91	<0.2	1.5	1.5									
IM6	Fine	Moderate	13:11	7.5	Surface	1.0	0.1	197	19.9	19.9	7.9	7.9	31.4	31.4	96.6	96.6	7.3	7.3	9.5	12	85	88	821040	805838	<0.2	1.7	1.7	1.7						
						1.0	0.1	181	19.9	19.9	7.9	7.9	31.4	31.4	96.6	96.6																		

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

Water Quality Monitoring Results on 28 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	09:36	8.4	Surface	1.0	0.3	51	19.8	19.8	8.0	8.0	31.5	31.5	97.8	97.8	7.4	7.4	11.5	16	86	86	88	88	815601	804261	<0.2	1.2	<0.2	1.3				
						1.0	0.3	54	19.8	8.0	8.0	31.5	31.5	97.7	97.7	7.4	7.4	11.9	16	85	85	88	88	815601	804261	<0.2	1.1	<0.2	1.1					
						4.2	0.3	48	19.8	19.8	8.0	8.0	31.9	31.9	97.4	97.4	7.4	7.4	14.0	14	88	88	815601	804261	<0.2	1.1	<0.2	1.1						
					Middle	4.2	0.3	52	19.8	8.0	8.0	31.9	31.9	97.5	97.5	7.4	7.4	13.8	13	89	89	815601	804261	<0.2	1.0	<0.2	1.0							
						7.4	0.3	41	19.8	19.8	8.0	8.0	32.1	32.1	97.5	97.5	7.4	7.4	21.0	14	90	90	815601	804261	<0.2	1.1	<0.2	1.1						
						7.4	0.3	42	19.8	8.0	8.0	32.1	32.1	97.5	97.5	7.4	7.4	21.0	14	91	91	815601	804261	<0.2	1.1	<0.2	1.1							
C2	Sunny	Moderate	10:10	11.3	Surface	1.0	0.3	316	20.5	20.5	8.0	8.0	31.0	31.0	93.4	93.4	7.0	7.0	4.4	5	82	82	85	85	825680	806947	<0.2	1.8	<0.2	1.8				
						1.0	0.3	317	20.5	8.0	8.0	31.0	31.0	93.4	93.4	7.0	7.0	4.3	4	81	81	85	85	825680	806947	<0.2	1.8	<0.2	1.8					
						5.7	0.3	330	20.5	20.5	8.0	8.0	31.3	31.3	90.7	90.7	6.8	6.8	5.4	8	85	85	825680	806947	<0.2	1.9	<0.2	1.9						
					Middle	5.7	0.3	353	20.5	8.0	8.0	31.3	31.3	90.7	90.7	6.8	6.8	5.5	7	85	85	825680	806947	<0.2	1.9	<0.2	1.9							
						10.3	0.3	342	20.5	20.5	8.0	8.0	31.4	31.4	90.7	90.7	6.8	6.8	8.0	7	90	90	825680	806947	<0.2	1.9	<0.2	1.9						
						10.3	0.3	315	20.5	8.0	8.0	31.4	31.4	90.7	90.7	6.8	6.8	8.0	8	89	89	825680	806947	<0.2	1.8	<0.2	1.8							
C3	Fine	Moderate	08:18	10.6	Surface	1.0	0.5	283	20.4	20.4	8.0	8.0	32.5	32.5	90.7	90.7	6.8	6.8	6.0	14	80	80	84	84	822088	817821	<0.2	1.2	<0.2	1.3				
						1.0	0.6	287	20.4	8.0	8.0	32.5	32.5	90.7	90.7	6.8	6.8	6.1	13	80	80	822088	817821	<0.2	1.3	<0.2	1.4							
						5.3	0.5	288	20.4	20.4	8.0	8.0	32.5	32.5	90.4	90.5	6.7	6.7	8.9	12	84	84	822088	817821	<0.2	1.4	<0.2	1.2						
					Middle	5.3	0.5	299	20.4	8.0	8.0	32.5	32.5	90.5	90.5	6.7	6.7	8.8	11	84	84	822088	817821	<0.2	1.2	<0.2	1.2							
						9.6	0.3	284	20.4	20.4	8.0	8.0	32.5	32.5	90.4	90.4	6.7	6.7	13.4	10	88	88	822088	817821	<0.2	1.2	<0.2	1.2						
						9.6	0.4	290	20.4	8.0	8.0	32.5	32.5	90.4	90.4	6.7	6.7	13.3	10	88	88	822088	817821	<0.2	1.2	<0.2	1.2							
IM1	Fine	Moderate	09:54	4.8	Surface	1.0	0.2	4	19.9	19.9	7.9	7.9	31.6	31.6	96.6	96.7	7.3	7.3	8.5	13	86	86	87	87	817947	807116	<0.2	1.5	<0.2	1.5				
						1.0	0.2	4	19.9	7.9	7.9	31.6	31.6	96.7	96.7	7.3	7.3	8.6	12	86	86	817947	807116	<0.2	1.5	<0.2	1.5							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.8	0.2	18	19.9	19.9	7.9	7.9	31.8	31.7	97.0	97.0	7.3	7.3	9.6	13	88	88	817947	807116	<0.2	1.4	<0.2	1.3						
						3.8	0.2	19	19.9	7.9	7.9	31.7	31.7	97.0	97.0	7.3	7.3	9.4	14	89	89	817947	807116	<0.2	1.4	<0.2	1.3							
IM2	Fine	Moderate	10:01	6.9	Surface	1.0	0.2	2	20.0	20.0	7.9	7.9	31.2	31.2	94.7	94.7	7.2	7.2	18.9	28	86	86	88	88	818141	806170	<0.2	1.6	<0.2	1.6				
						1.0	0.2	2	20.0	7.9	7.9	31.2	31.2	94.7	94.7	7.2	7.2	18.9	29	85	85	818141	806170	<0.2	1.6	<0.2	1.6							
						3.5	0.2	25	20.0	20.0	7.9	7.9	31.2	31.2	94.8	94.8	7.2	7.2	23.5	34	88	88	818141	806170	<0.2	1.5	<0.2	1.5						
					Middle	3.5	0.2	25	20.0	7.9	7.9	31.2	31.2	94.8	94.8	7.2	7.2	23.7	34	89	89	818141	806170	<0.2	1.6	<0.2	1.7							
						5.9	0.2	9	20.0	20.0	7.9	7.9	31.3	31.3	95.0	95.1	7.2	7.2	23.8	36	90	90	818141	806170	<0.2	1.7	<0.2	1.7						
						5.9	0.2	9	20.0	7.9	7.9	31.3	31.3	95.1	95.1	7.2	7.2	23.1	38	91	91	818141	806170	<0.2	1.7	<0.2	1.7							
IM3	Fine	Moderate	10:09	6.5	Surface	1.0	0.3	353	20.0	20.0	7.9	7.9	31.2	31.2	94.9	94.9	7.2	7.2	19.8	25	86	86	89	89	818770	805570	<0.2	1.7	<0.2	1.7				
						1.0	0.3	325	20.0	7.9	7.9	31.2	31.2	94.9	94.9	7.2	7.2	19.2	24	86	86	818770	805570	<0.2	1.7	<0.2	1.7							
						3.3	0.3	356	20.0	20.0	7.9	7.9	31.2	31.2	94.8	94.9	7.2	7.2	21.1	26	88	88	818770	805570	<0.2	1.6	<0.2	1.6						
					Middle	3.3	0.3	348	20.0	7.9	7.9	31.2	31.2	95.3	95.3	7.2	7.2	21.1	26	89	89	818770	805570	<0.2	1.7	<0.2	1.7							
						5.5	0.2	348	20.0	7.9	7.9	31.2	31.2	95.3	95.3	7.2	7.2	23.3	27	91	91	818770	805570	<0.2	1.7	<0.2	1.7							
						5.5	0.3	320	20.0	7.9	7.9	31.2	31.2	95.4	95.4	7.2	7.2	23.3	26	91	91	818770	805570	<0.2	2.0	<0.2	2.0							
IM4	Fine	Moderate	10:16	7.8	Surface	1.0	0.4	0	20.0	20.0	7.9	7.9	31.2	31.2	95.2	95.2	7.2	7.2	16.2	20	86	86	88	88	819717	804609	<0.2	1.6	<0.2	1.6				
						1.0	0.5	0	20.0	7.9	7.9	31.2	31.2	95.2	95.2	7.2	7.2	16.4	20	87	87	819717	804609	<0.2	1.6	<0.2	1.6							
						3.9	0.4	353	20.0	7.9	7.9	31.2	31.2	95.5	95.5	7.2	7.2	16.9	22	88	88	819717	804609	<0.2	1.8	<0.2	1.8							
					Middle	3.9	0.4	325	20.0	7.9	7.9	31.2	31.2	95.5	95.5	7.2	7.2	17.0	21	87	87	819717	804609	<0.2	1.9	<0.2	1.9							
						6.8	0.4	354	20.0	7.9	7.9	31.2	31.2	96.0	96.0	7.3	7.3	19.1	23	90	90	819717	804609	<0.2	1.9	<0.2	1.9							
						6.8	0.4	326	20.0	7.9	7.9	31.2	31.2	96.3	96.3	7.3	7.3	20.7	23	90	90	819717	804609	<0.2	1.9	<0.2	1.9							
IM5	Fine	Moderate	10:22	7.2	Surface	1.0	0.7	15	20.0	20.0	7.9	7.9	31.2	31.2	95.1	95.2	7.2	7.2	17.0	20	86	86	88	88	820753	804888	<0.2	1.9	<0.2	1.9				
						1.0	0.7	15	20.0	7.9	7.9	31.2	31.2	95.2	95.2	7.2	7.2	16.7	20	87	87	820753	804888	<0.2	1.9	<0.2	1.9							
						3.6	0.6	12	20.0	7.9	7.9	31.3	31.3	95.1	95.1	7.2	7.2	19.9	20	88	88	820753	804888	<0.2	2.1	<0.2	2.1							
					Middle	3.6	0.6	12	20.0	7.9	7.9	31.3	31.3	95.1	95.1	7.2	7.2	19.8	22	89	89	820753	804888	<0.2	2.0	<0.2	2.0							
						6.2	0.5	13	20.0	7.9	7.9	31.3	31.3	95.6	95.6	7.2	7.2	21.8	23	90	90	820753	804888	<0.2	2.0	<0.2	2.0							
						6.2	0.6	14	20.0	7.9	7.9	31.3	31.3	95.6	95.6	7.2	7.2	21.9	22	90	90	820753	804888	<0.2	2.0	<0.2	2.0							
IM6	Fine	Moderate	10:29	6.6	Surface	1.0	0.1	50	20.0	20.0	8.0	8.0	31.3	31.3	96.3	96.3	7.3	7.3	8.0	13	86	86	88	88	821069	805844	<0.2	2.0	<0.2	2.0				
						1.0	0.																											

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

Water Quality Monitoring Results on 28 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	09:30	7.5	Surface	1.0	0.2	277	20.2	20.2	8.0	8.0	32.0	32.0	94.5	94.5	7.1	7.1	10.1	10.1	15	15	81	81	85	822084	808829	<0.2	1.7	<0.2	1.6	
						1.0	0.2	277	20.2	20.2	8.0	8.0	32.0	32.0	94.5	94.5	7.1	7.1	10.0	10.0	15	15	81	81								
						3.8	0.3	257	20.2	20.2	8.0	8.0	32.0	32.0	94.5	94.5	7.1	7.1	10.5	10.5	18	18	85	85								
					3.8	0.3	278	20.2	20.2	8.0	8.0	32.0	32.0	94.4	94.4	7.1	7.1	10.6	10.6	17	17	84	84									
					6.5	0.2	269	20.2	20.2	8.0	8.0	32.0	32.0	94.4	94.4	7.1	7.1	13.6	13.6	21	21	89	89									
					6.5	0.2	272	20.2	20.2	8.0	8.0	32.0	32.0	94.5	94.5	7.1	7.1	13.5	13.5	20	20	89	89									
IM10	Fine	Moderate	09:24	7.9	Surface	1.0	0.3	302	20.2	20.2	8.0	8.0	31.9	31.9	93.4	93.4	7.0	7.0	9.7	9.7	15	15	81	81	85	822386	809800	<0.2	1.4	<0.2	1.5	
						1.0	0.4	313	20.2	20.2	8.0	8.0	31.9	31.9	93.4	93.4	7.0	7.0	9.5	9.5	14	14	82	82								
						4.0	0.3	294	20.2	20.2	8.0	8.0	31.9	31.9	93.4	93.4	7.0	7.0	9.9	9.9	14	14	85	85								
					4.0	0.4	311	20.2	20.2	8.0	8.0	31.9	31.9	93.4	93.4	7.0	7.0	9.8	9.8	15	15	84	84									
					6.9	0.3	290	20.2	20.2	8.0	8.0	32.0	32.0	93.7	93.7	7.0	7.0	11.3	11.3	14	14	89	89									
					6.9	0.3	308	20.2	20.2	8.0	8.0	32.0	32.0	93.7	93.7	7.0	7.0	11.7	11.7	14	14	89	89									
IM11	Fine	Moderate	09:13	7.1	Surface	1.0	0.5	278	20.2	20.2	8.0	8.0	32.2	32.2	93.5	93.5	7.0	7.0	9.3	9.3	13	13	81	81	85	822061	811451	<0.2	1.2	<0.2	1.3	
						1.0	0.6	284	20.2	20.2	8.0	8.0	32.2	32.2	93.5	93.5	7.0	7.0	9.4	9.4	14	14	81	81								
						3.6	0.4	283	20.2	20.2	8.0	8.0	32.2	32.2	93.5	93.5	7.0	7.0	10.3	10.3	14	14	84	84								
					3.6	0.5	306	20.2	20.2	8.0	8.0	32.2	32.2	93.5	93.5	7.0	7.0	10.4	10.4	13	13	85	85									
					6.1	0.4	286	20.2	20.2	8.0	8.0	32.2	32.2	94.0	94.0	7.1	7.1	16.1	16.1	14	14	88	88									
					6.1	0.4	310	20.2	20.2	8.0	8.0	32.2	32.2	94.1	94.1	7.1	7.1	16.9	16.9	15	15	88	88									
IM12	Fine	Moderate	09:07	8.9	Surface	1.0	0.5	274	20.1	20.1	8.0	8.0	32.2	32.2	93.0	93.0	7.0	7.0	11.4	11.4	18	18	81	81	85	821454	812026	<0.2	1.6	<0.2	1.5	
						1.0	0.5	298	20.1	20.1	8.0	8.0	32.2	32.2	93.0	93.0	7.0	7.0	11.7	11.7	18	18	80	80								
						4.5	0.4	276	20.1	20.1	8.0	8.0	32.2	32.2	93.1	93.1	7.0	7.0	14.1	14.1	20	20	85	85								
					4.5	0.5	289	20.1	20.1	8.0	8.0	32.2	32.2	93.1	93.1	7.0	7.0	13.6	13.6	19	19	85	85									
					7.9	0.5	274	20.1	20.1	8.0	8.0	32.2	32.2	93.5	93.5	7.0	7.0	20.2	20.2	22	22	90	90									
					7.9	0.5	285	20.1	20.1	8.0	8.0	32.2	32.2	93.5	93.5	7.0	7.0	20.2	20.2	20	20	89	89									
SR1A	Fine	Moderate	08:52	5.5	Surface	1.0	-	-	20.2	20.2	8.0	8.0	32.0	32.0	91.2	91.2	6.8	6.8	4.2	4.2	6	6	-	-	85	819973	812659	-	-	-	-	
						1.0	-	-	20.2	20.2	8.0	8.0	32.0	32.0	91.2	91.2	6.8	6.8	4.2	4.2	7	7	-	-								
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
					4.5	-	-	20.3	20.3	8.0	8.0	32.0	32.0	90.8	90.8	6.8	6.8	7.6	7.6	8	8	-	-	-				-				
					4.5	-	-	20.3	20.3	8.0	8.0	32.0	32.0	90.9	90.9	6.8	6.8	7.4	7.4	8	8	-	-	-				-				
SR2	Fine	Moderate	08:40	5.3	Surface	1.0	0.1	23	20.2	20.2	8.0	8.0	32.2	32.2	92.3	92.3	6.9	6.9	12.4	12.4	16	16	80	80	85	821459	814180	<0.2	1.7	<0.2	1.6	
						1.0	0.1	23	20.2	20.2	8.0	8.0	32.2	32.2	92.3	92.3	6.9	6.9	12.4	12.4	16	16	81	81								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
					4.3	0.1	332	20.1	20.1	8.0	8.0	32.2	32.2	92.9	92.9	7.0	7.0	17.3	17.3	17	17	85	85									
					4.3	0.1	354	20.1	20.1	8.0	8.0	32.2	32.2	92.9	92.9	7.0	7.0	17.5	17.5	18	18	85	85									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
SR3	Fine	Moderate	09:41	8.6	Surface	1.0	0.0	116	20.5	20.5	8.0	8.0	31.4	31.4	91.8	91.8	6.9	6.9	6.1	6.1	14	14	-	-	85	822127	807565	-	-	-	-	
						1.0	0.0	123	20.5	20.5	8.0	8.0	31.4	31.4	91.8	91.8	6.9	6.9	6.1	6.1	15	15	-	-								
						4.3	0.0	70	20.5	20.5	8.0	8.0	31.4	31.4	91.6	91.6	6.9	6.9	6.8	6.8	14	14	-	-								
					4.3	0.0	71	20.5	20.5	8.0	8.0	31.4	31.4	91.6	91.6	6.9	6.9	6.7	6.7	13	13	-	-									
					7.6	0.0	353	20.5	20.5	8.0	8.0	31.4	31.4	91.9	91.9	6.9	6.9	6.4	6.4	14	14	-	-									
					7.6	0.0	325	20.5	20.5	8.0	8.0	31.4	31.4	92.0	92.0	6.9	6.9	6.3	6.3	12	12	-	-									
SR4A	Fine	Moderate	09:14	8.0	Surface	1.0	0.0	132	20.1	20.1	7.9	7.9	30.8	30.8	93.9	93.9	7.1	7.1	8.9	8.9	13	13	-	-	85	817200	807807	-	-	-	-	
						1.0	0.0	139	20.1	20.1	7.9	7.9	30.8	30.8	93.9	93.9	7.1	7.1	9.1	9.1	13	13	-	-								
						4.0	0.1	41	20.1	20.1	7.9	7.9	30.9	30.9	94.3	94.3	7.2	7.2	9.5	9.5	14	14	-	-								
					4.0	0.1	43	20.1	20.1	7.9	7.9	30.9	30.9	94.4	94.4	7.2	7.2	9.6	9.6	15	15	-	-									
					7.0	0.2	73	19.9	19.9	7.9	7.9	31.4	31.4	95.1	95.1	7.2	7.2	11.0	11.0	15	15	-	-									
					7.0	0.2	76	19.9	19.9	7.9	7.9	31.4	31.4	95.1	95.1	7.2	7.2	11.0	11.0	14	14	-	-									
SR5A	Fine	Moderate	08:58	4.4	Surface	1.0	0.1	284	20.1	20.1	7.9	7.9	30.9	30.9	93.3	93.3	7.1	7.1	6.1	6.1	10	10	-	-	85	816570	810711	-	-	-	-	
						1.0	0.1	295	20.1	20.1	7.9	7.9	30.9	30.9	93.3	93.3	7.1	7.1	6.3	6.3	10	10	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
					3.4	0.0	300	20.1	20.1	7.8	7.8	30.9	30.9	93.3	93.3	7.1	7.1	6.9	6.9	11	11	-	-									
					3.4	0.0	326	20.2	20.2	7.8	7.8	30.9	30.9	93.3	93.3	7.1	7.1	6.9	6.9	12	12	-	-									
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-				
SR6A	Fine	Moderate	08:30	4.0	Surface	1.0	0.1	203	20.3	20.3	7.8	7.8	31.1	31.1	89.9	89.9	6.8	6.8	9.4	9.4	9	9	-	-	85	817970	814743	-	-	-	-	
						1.0	0.1	208	20.3	20.3	7.8	7.8	31.1	31.1	89.9	89.9	6.8	6.8	9.6	9.6	9	9	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
					3.0	0.1	206	20.3	20.3	7.8	7.8	31.1	31.1	90.3	90.3	6.8	6.8	8.6	8.6	12	12	-	-									
					3.0	0.1	224	20.3	20.3	7.8	7.8	31.1	31.1	90.3	90.3	6.8	6.8	8.8	8.8	11	11	-</										

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Rough	16:05	8.2	Surface	1.0	0.3	121	20.1	20.1	7.8	7.8	31.8	31.8	97.8	97.9	7.4	7.4	7.6	8	8	83	83	88	88	815604	804235	<0.2	<0.2	1.1	1.1			
						1.0	0.3	133	20.1	7.8	7.8	31.9	31.9	97.9	97.9	7.4	7.4	8.2	8	84	84	<0.2	<0.2	1.1	1.1									
						4.1	0.3	129	20.1	20.1	7.8	7.8	32.2	32.2	97.0	97.0	7.3	7.3	10.6	9.9	7	7	88	88	<0.2			<0.2	1.2	1.1				
					4.1	0.3	131	20.1	20.1	7.8	7.8	32.2	32.2	96.9	96.9	7.3	7.3	10.4	7	7	88	88	<0.2	<0.2	1.1			1.1						
					7.2	0.2	119	20.1	20.1	7.8	7.8	32.2	32.2	96.2	96.4	7.2	7.3	11.0	7	7	91	91	<0.2	<0.2	1.1			1.1						
					7.2	0.2	120	20.1	20.1	7.8	7.8	32.2	32.2	96.6	96.4	7.3	7.3	11.3	7	7	91	91	<0.2	<0.2	1.0			1.0						
C2	Foggy	Moderate	15:03	11.2	Surface	1.0	0.1	136	20.6	20.6	7.9	7.9	30.2	30.2	90.3	90.3	6.8	6.8	3.2	6	6	86	86	88	88	825695	806921	<0.2	<0.2	2.0	1.9			
						1.0	0.1	141	20.5	20.5	7.9	7.9	30.3	30.3	90.2	90.2	6.8	6.8	3.3	5	5	86	86	<0.2	<0.2			1.9	1.9					
						5.6	0.3	153	20.5	20.5	8.0	8.0	30.8	30.8	89.4	89.4	6.7	6.7	4.0	6	6	88	88	<0.2	<0.2			2.0	1.9					
					5.6	0.3	157	20.5	20.5	8.0	8.0	30.8	30.8	89.4	89.4	6.7	6.7	4.0	5	5	88	88	<0.2	<0.2	1.9			1.8						
					10.2	0.3	140	20.5	20.5	8.0	8.0	30.9	30.9	89.3	89.4	6.7	6.7	7.6	5	5	90	90	<0.2	<0.2	1.8			1.8						
					10.2	0.3	153	20.5	20.5	8.0	8.0	30.9	30.9	89.4	89.4	6.7	6.7	7.3	6	6	90	90	<0.2	<0.2	1.7			1.7						
C3	Cloudy	Moderate	16:55	11.0	Surface	1.0	0.1	117	20.3	20.3	8.0	8.0	32.7	32.7	87.6	87.6	6.5	6.5	3.6	6	6	85	85	88	88	822089	817809	<0.2	<0.2	1.9	1.9			
						1.0	0.2	122	20.3	20.3	8.0	8.0	32.7	32.7	87.5	87.5	6.5	6.5	3.7	6	6	86	86	<0.2	<0.2			1.7	1.7					
						5.5	0.2	135	20.3	20.3	8.0	8.0	32.8	32.8	87.9	87.9	6.6	6.6	4.8	6	6	87	87	<0.2	<0.2			1.9	1.9					
					5.5	0.2	138	20.3	20.3	8.0	8.0	32.8	32.8	87.9	87.9	6.6	6.6	4.8	6	6	87	87	<0.2	<0.2	2.1			1.9						
					10.0	0.2	139	20.3	20.3	8.0	8.0	32.8	32.8	89.2	89.3	6.7	6.7	4.9	6	6	90	90	<0.2	<0.2	1.9			1.9						
					10.0	0.2	148	20.3	20.3	8.0	8.0	32.8	32.8	89.3	89.3	6.7	6.7	4.9	7	7	91	91	<0.2	<0.2	2.0			2.0						
IM1	Cloudy	Moderate	15:41	4.5	Surface	1.0	0.1	111	20.1	20.1	7.8	7.8	32.1	32.1	97.9	97.9	7.4	7.4	3.5	8	8	83	83	86	86	817955	807111	<0.2	<0.2	1.0	1.0			
						1.0	0.1	120	20.1	20.1	7.8	7.8	32.1	32.1	97.9	97.9	7.4	7.4	3.6	8	8	84	84	<0.2	<0.2			1.0	1.0					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					3.5	0.2	123	20.1	20.1	7.8	7.8	32.1	32.1	97.4	97.4	7.3	7.3	3.5	8	8	88	88	<0.2	<0.2	0.9			0.9						
					3.5	0.2	132	20.1	20.1	7.8	7.8	32.1	32.1	97.3	97.3	7.3	7.3	3.3	8	8	88	88	<0.2	<0.2	0.8			0.8						
					3.5	0.2	126	20.0	20.0	7.8	7.8	31.7	31.7	96.6	96.7	7.3	7.3	5.4	9	9	83	83	<0.2	<0.2	1.0			1.0						
IM2	Cloudy	Rough	15:34	6.7	Surface	1.0	0.2	135	20.0	20.0	7.8	7.8	31.7	31.7	96.7	96.7	7.3	7.3	5.7	9	9	84	84	88	88	818170	806183	<0.2	<0.2	1.0	1.0			
						3.4	0.2	114	20.0	20.0	7.8	7.8	32.0	32.0	96.6	96.6	7.3	7.3	7.0	10	10	88	88	<0.2	<0.2			1.0	1.0					
						3.4	0.2	121	20.0	20.0	7.8	7.8	32.0	32.0	96.6	96.6	7.3	7.3	7.0	9	9	89	89	<0.2	<0.2			0.9	0.9					
					5.7	0.2	120	20.1	20.1	7.8	7.8	32.0	32.0	96.6	96.6	7.3	7.3	7.5	10	10	91	91	<0.2	<0.2	1.0			1.0						
					5.7	0.2	131	20.1	20.1	7.8	7.8	32.0	32.0	96.5	96.6	7.3	7.3	7.6	9	9	92	92	<0.2	<0.2	1.0			1.0						
					5.7	0.2	126	20.0	20.0	7.8	7.8	31.7	31.7	96.6	96.7	7.3	7.3	5.4	9	9	83	83	<0.2	<0.2	1.0			1.0						
IM3	Cloudy	Rough	15:27	6.8	Surface	1.0	0.3	158	20.1	20.1	7.8	7.8	31.6	31.6	96.1	96.0	7.2	7.2	6.7	13	13	83	83	88	88	818799	805590	<0.2	<0.2	1.4	1.4			
						1.0	0.4	162	20.1	20.1	7.8	7.8	31.6	31.6	95.8	95.8	7.2	7.2	6.8	12	12	83	83	<0.2	<0.2			1.4	1.4					
						3.4	0.3	145	20.1	20.1	7.8	7.8	31.7	31.7	96.7	97.0	7.3	7.3	7.3	13	13	88	88	<0.2	<0.2			1.4	1.4					
					3.4	0.4	137	20.1	20.1	7.8	7.8	31.7	31.7	97.2	97.2	7.3	7.3	7.2	13	13	88	88	<0.2	<0.2	1.3			1.3						
					5.8	0.2	133	20.2	20.2	7.8	7.8	31.8	31.8	96.1	96.0	7.2	7.2	13.5	13	13	91	91	<0.2	<0.2	1.2			1.2						
					5.8	0.2	133	20.2	20.2	7.8	7.8	31.8	31.8	95.9	96.0	7.2	7.2	13.4	12	12	91	91	<0.2	<0.2	1.4			1.4						
IM4	Cloudy	Rough	15:18	7.8	Surface	1.0	0.4	154	20.1	20.1	7.8	7.8	31.5	31.5	96.7	96.7	7.3	7.3	7.7	11	11	83	83	88	88	819702	804597	<0.2	<0.2	1.3	1.3			
						1.0	0.5	153	20.1	20.1	7.8	7.8	31.5	31.5	96.7	96.7	7.3	7.3	7.8	10	10	84	84	<0.2	<0.2			1.4	1.4					
						3.9	0.4	152	20.1	20.1	7.8	7.8	31.6	31.6	96.3	96.2	7.3	7.3	8.1	12	12	88	88	<0.2	<0.2			1.4	1.4					
					3.9	0.4	132	20.1	20.1	7.8	7.8	31.6	31.6	96.1	96.2	7.2	7.2	8.3	13	13	88	88	<0.2	<0.2	1.4			1.4						
					6.8	0.4	144	20.1	20.1	7.8	7.8	31.6	31.6	96.3	96.3	7.3	7.3	8.3	12	12	91	91	<0.2	<0.2	1.3			1.3						
					6.8	0.4	157	20.1	20.1	7.8	7.8	31.6	31.6	96.3	96.3	7.3	7.3	8.2	13	13	91	91	<0.2	<0.2	1.3			1.3						
IM5	Cloudy	Rough	15:10	6.5	Surface	1.0	0.7	198	20.1	20.1	7.8	7.8	31.5	31.5	96.6	96.7	7.3	7.3	5.7	11	11	83	83	88	88	820719	804849	<0.2	<0.2	1.7	1.7			
						1.0	0.7	185	20.1	20.1	7.8	7.8	31.6	31.6	96.8	96.8	7.3	7.3	5.9	10	10	84	84	<0.2	<0.2			1.6	1.6					
						3.3	0.6	172	20.1	20.1	7.8	7.8	31.6	31.6	97.0	97.1	7.3	7.3	6.4	10	10	87	87	<0.2	<0.2			0.9	0.9					
					3.3	0.6	185	20.1	20.1	7.8	7.8	31.6	31.6	97.1	97.1	7.3	7.3	6.5	10	10	88	88	<0.2	<0.2	0.8			0.8						
					5.5	0.4	178	20.1	20.1	7.8	7.8	31.7	31.7	96.8	96.8	7.3	7.3	7.2	9	9	91	91	<0.2	<0.2	1.1			1.1						
					5.5	0.5	181	20.1	20.1	7.8	7.8	31.7	31.7	96.8	96.8	7.3	7.3	7.2	9	9	91	91	<0.2	<0.2	1.1			1.1						
IM6	Cloudy	Rough	15:02	6.8	Surface	1.0	0.3	201	20.1	20.1	7.8	7.8	32.0	32.0	96.6	96.6	7.3	7.3	4.8	8	8	83	83	88	88	821047	805810	<0.2	<0.2	1.0	1.0			
						1.0	0.3	214	20.1	20.1	7.8	7.8	32.0	32.0	96.6	96.6	7.3	7.3	4.8	9	9	84	84	<0.2	<0.2			1.0	1.0					
						3.4	0.3	196	20.1	20.1	7.8	7.8	32.0	32.0	96.4	9																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 December 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Calm	15:41	6.8	Surface	1.0	0.2	188	20.4	20.4	8.0	8.0	30.9	30.9	92.4	92.5	7.0	7.0	12.6	10	85	88	822104	808819	<0.2	1.8	1.8	1.8				
						1.0	0.2	177	20.4	20.4	8.0	8.0	30.9	30.9	92.5	92.5	7.0	7.0	12.8	9	86	86	<0.2	1.8	1.8							
					Middle	3.4	0.1	175	20.4	20.4	8.0	8.0	31.0	31.0	93.3	93.4	7.0	7.0	14.4	11	88	88	<0.2	1.6	1.6	1.6						
						3.4	0.1	178	20.4	20.4	8.0	8.0	31.0	31.0	93.4	93.4	7.0	7.0	13.9	10	89	89	<0.2	1.7	1.7	1.7						
					Bottom	5.8	0.1	184	20.3	20.3	8.0	8.0	31.6	31.6	96.0	96.1	7.2	7.2	8.2	11	90	90	<0.2	1.9	1.9	1.9						
						5.8	0.1	168	20.3	20.3	8.0	8.0	31.6	31.6	96.2	96.2	7.2	7.2	8.1	10	90	90	<0.2	1.8	1.8	1.8						
IM10	Cloudy	Moderate	15:47	7.3	Surface	1.0	0.3	192	20.2	20.2	8.0	8.0	31.8	31.8	93.2	93.2	7.0	7.0	9.2	10	86	86	822361	809785	<0.2	1.7	1.7	1.7				
						1.0	0.4	185	20.2	20.2	8.0	8.0	31.8	31.8	93.2	93.2	7.0	7.0	9.3	10	87	87	<0.2	1.7	1.7	1.7						
					Middle	3.7	0.5	193	20.2	20.2	8.0	8.0	31.8	31.8	93.4	93.5	7.0	7.0	10.7	11	89	89	<0.2	1.8	1.8	1.8						
						3.7	0.5	182	20.2	20.2	8.0	8.0	31.8	31.8	93.5	93.5	7.0	7.0	11.0	10	88	88	<0.2	1.9	1.9	1.9						
					Bottom	6.3	0.3	163	20.2	20.2	8.0	8.0	31.8	31.8	96.0	96.5	7.2	7.3	11.9	10	91	91	<0.2	1.9	1.9	1.9						
						6.3	0.3	158	20.2	20.2	8.0	8.0	31.8	31.8	97.0	97.3	7.3	7.3	11.4	9	92	92	<0.2	1.7	1.7	1.7						
IM11	Cloudy	Moderate	15:59	7.9	Surface	1.0	0.3	163	20.3	20.3	8.0	8.0	31.7	31.7	92.8	92.8	7.0	7.0	8.3	8	86	86	822049	811479	<0.2	1.7	1.7	1.7				
						1.0	0.3	165	20.3	20.3	8.0	8.0	31.7	31.7	92.8	92.8	7.0	7.0	8.5	8	86	86	<0.2	1.8	1.8	1.8						
					Middle	4.0	0.3	173	20.3	20.3	8.0	8.0	31.8	31.8	93.5	93.6	7.0	7.0	10.8	8	88	88	<0.2	1.9	1.9	1.9						
						4.0	0.3	165	20.3	20.3	8.0	8.0	31.8	31.8	93.7	93.7	7.0	7.0	11.1	8	87	87	<0.2	1.9	1.9	1.9						
					Bottom	6.9	0.2	163	20.2	20.2	8.0	8.0	31.8	31.8	96.2	96.2	7.2	7.2	11.8	8	90	90	<0.2	1.9	1.9	1.9						
						6.9	0.2	154	20.2	20.2	8.0	8.0	31.8	31.8	96.4	96.3	7.2	7.2	11.8	8	90	90	<0.2	1.9	1.9	1.9						
IM12	Cloudy	Moderate	16:05	8.4	Surface	1.0	0.3	152	20.2	20.2	8.0	8.0	31.9	31.9	94.0	94.1	7.1	7.1	7.8	8	86	86	821436	812051	<0.2	1.7	1.7	1.7				
						1.0	0.3	158	20.2	20.2	8.0	8.0	31.9	31.9	94.1	94.1	7.1	7.1	7.9	10	87	87	<0.2	1.7	1.7	1.7						
					Middle	4.2	0.3	168	20.2	20.2	8.0	8.0	31.9	31.9	95.7	95.8	7.2	7.2	9.2	10	89	89	<0.2	1.7	1.7	1.7						
						4.2	0.3	153	20.2	20.2	8.0	8.0	31.9	31.9	95.9	95.8	7.2	7.2	9.3	9	88	88	<0.2	1.6	1.6	1.6						
					Bottom	7.4	0.2	155	20.2	20.2	8.0	8.0	31.8	31.8	97.1	97.2	7.3	7.3	10.1	9	90	90	<0.2	1.6	1.6	1.6						
						7.4	0.2	161	20.2	20.2	8.0	8.0	31.8	31.8	97.3	97.2	7.3	7.3	10.1	10	90	90	<0.2	1.8	1.8	1.8						
SR1A	Cloudy	Moderate	16:20	5.4	Surface	1.0	-	-	20.3	20.3	8.0	8.0	32.0	32.0	93.7	93.8	7.0	7.0	6.7	9	-	-	819982	812654	-	-	-	-	-			
						1.0	-	-	20.3	20.3	8.0	8.0	32.0	32.0	93.9	93.8	7.0	7.0	6.8	8	-	-	-	-	-	-	-	-				
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.4	-	-	20.2	20.2	8.0	8.0	32.0	32.0	96.2	96.4	7.2	7.2	6.8	9	-	-	-	-	-	-	-	-	-	-	-	-
						4.4	-	-	20.2	20.2	8.0	8.0	32.0	32.0	96.5	96.4	7.2	7.2	6.8	8	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Calm	16:31	4.8	Surface	1.0	0.2	128	20.2	20.2	8.0	8.0	31.9	31.9	95.9	96.3	7.2	7.2	6.1	7	86	86	821481	814163	<0.2	1.9	1.9	1.9				
						1.0	0.3	130	20.2	20.2	8.0	8.0	31.9	31.9	96.7	97.3	7.3	7.3	6.2	7	87	87	<0.2	1.7	1.7	1.7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.3	142	20.2	20.2	8.0	8.0	32.0	32.0	98.4	98.6	7.4	7.4	6.1	7	89	89	<0.2	1.8	1.8	1.8						
						3.8	0.3	134	20.2	20.2	8.0	8.0	32.0	32.0	98.7	98.6	7.4	7.4	6.0	6	90	90	<0.2	1.9	1.9	1.9						
SR3	Cloudy	Moderate	15:31	8.2	Surface	1.0	0.1	189	20.5	20.5	8.0	8.0	30.5	30.5	92.5	92.6	7.0	7.0	5.2	5	-	-	822131	807551	-	-	-	-	-			
						1.0	0.1	196	20.5	20.5	8.0	8.0	30.5	30.5	92.6	92.6	7.0	7.0	5.4	5	-	-	-	-	-	-	-	-	-			
					Middle	4.1	0.1	170	20.3	20.3	8.0	8.0	31.0	31.0	94.2	94.3	7.1	7.1	8.2	7	-	-	-	-	-	-	-	-	-	-		
						4.1	0.1	171	20.3	20.3	8.0	8.0	31.1	31.1	94.3	94.3	7.1	7.1	8.5	6	-	-	-	-	-	-	-	-	-			
					Bottom	7.2	0.2	137	20.2	20.2	8.0	8.0	31.6	31.6	95.6	95.7	7.2	7.2	11.5	6	-	-	-	-	-	-	-	-	-	-		
						7.2	0.2	144	20.2	20.2	8.0	8.0	31.6	31.6	95.7	95.7	7.2	7.2	11.6	7	-	-	-	-	-	-	-	-	-			
SR4A	Cloudy	Moderate	16:31	9.1	Surface	1.0	0.3	85	20.1	20.1	7.8	7.8	32.1	32.1	96.9	97.0	7.3	7.3	6.6	10	-	-	817175	807829	-	-	-	-	-			
						1.0	0.4	93	20.1	20.1	7.8	7.8	32.1	32.1	97.0	97.0	7.3	7.3	6.8	11	-	-	-	-	-	-	-	-				
					Middle	4.6	0.2	66	20.1	20.1	7.8	7.8	32.1	32.1	97.2	97.3	7.3	7.3	6.8	12	-	-	-	-	-	-	-	-				
						4.6	0.3	71	20.1	20.1	7.8	7.8	32.1	32.1	97.4	97.3	7.3	7.3	6.8	13	-	-	-	-	-	-	-	-				
					Bottom	8.1	0.2	69	20.1	20.1	7.8	7.8	32.2	32.2	96.9	96.9	7.3	7.3	6.6	13	-	-	-	-	-	-	-	-				
						8.1	0.2	72	20.1	20.1	7.8	7.8	32.2	32.2	96.9	96.9	7.3	7.3	6.6	13	-	-	-	-	-	-	-	-				
SR5A	Cloudy	Calm	16:46	4.7	Surface	1.0	0.1	64	20.3	20.3	7.8	7.8	32.2	32.2	95.0	95.0	7.1	7.1	5.8	12	-	-	816573	810717	-	-	-	-	-			
						1.0	0.1	67	20.3	20.3	7.8	7.8	32.2	32.2	94.9	95.0	7.1	7.1	5.8	12	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.7	0.1	115	20.3	20.3	7.8	7.8	32.2	32.2	95.2	95.3	7.1	7.1	6.6	11	-	-	-	-	-	-	-	-				
						3.7	0.1	119	20.3	20.3	7.8	7.8	32.2	32.2	95.3	95.3	7.1	7.1	6.6	10	-	-	-	-	-	-	-	-				
SR6A	Cloudy	Calm	17:08	4.0																												

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

Water Quality Monitoring

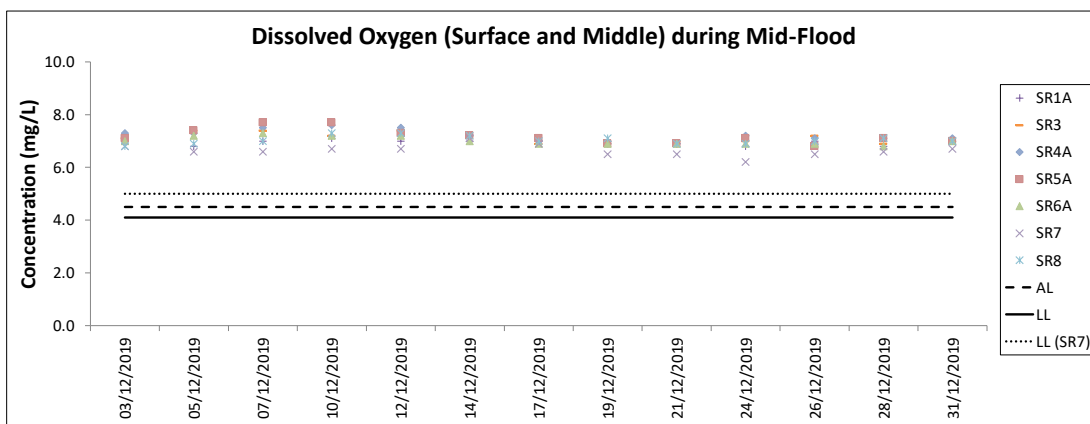
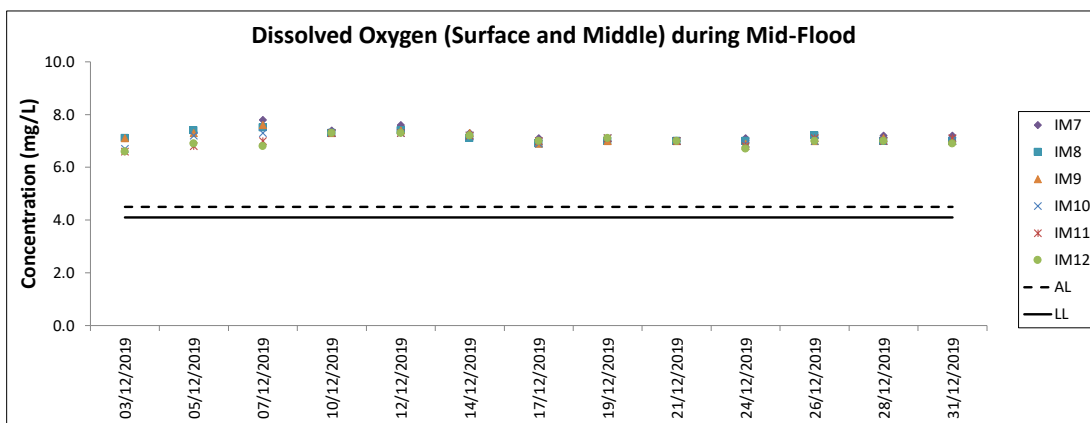
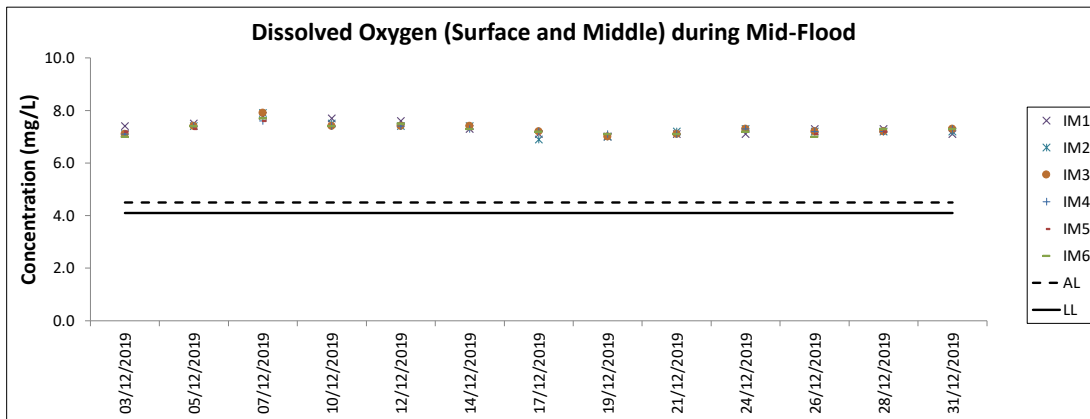
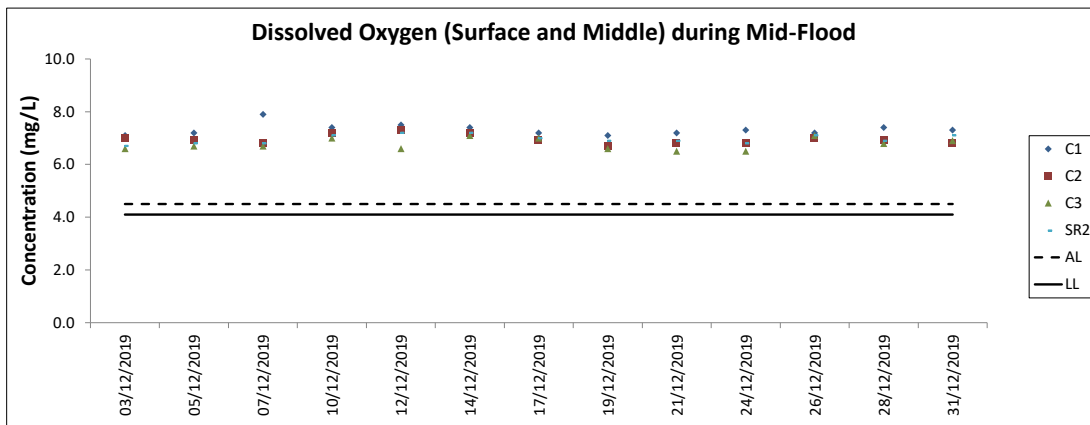
Water Quality Monitoring Results on 31 December 19 during Mid-Flood Tide

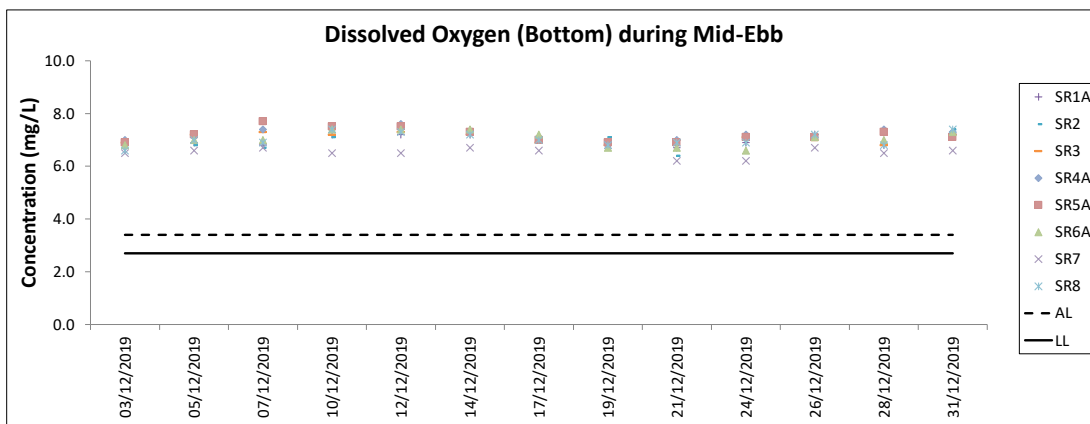
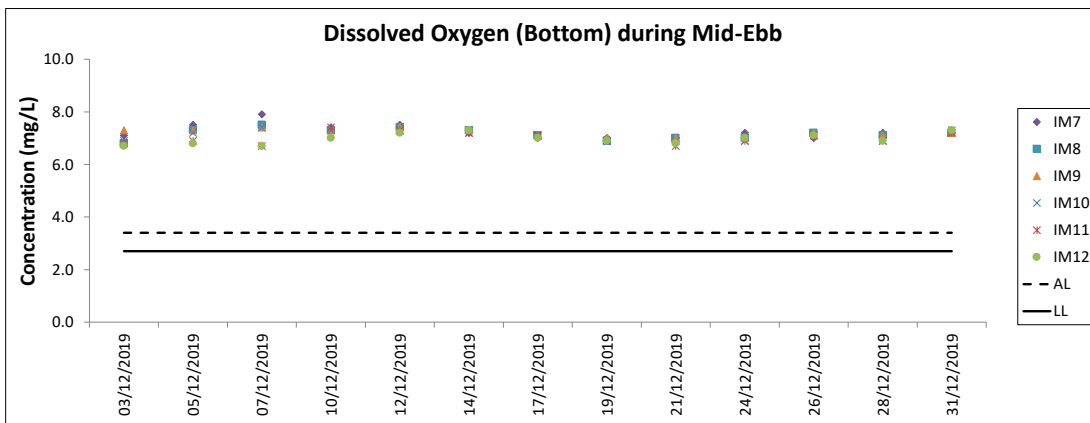
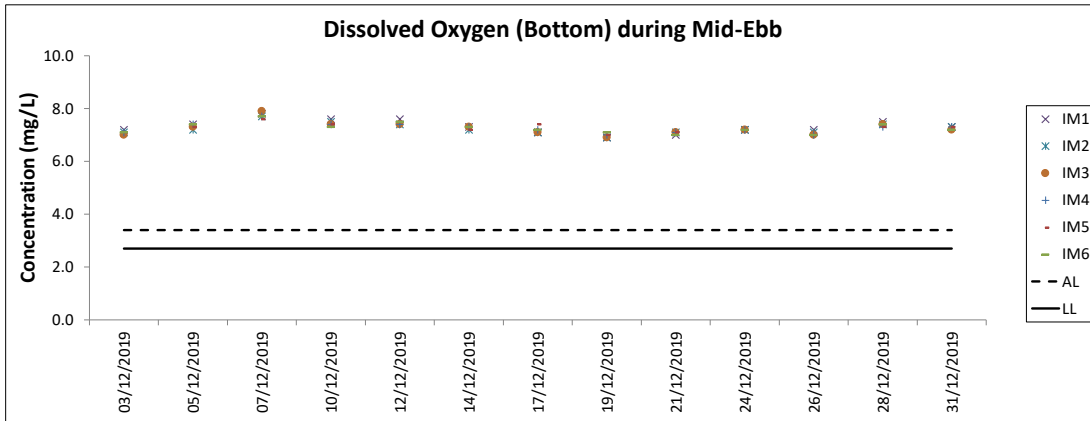
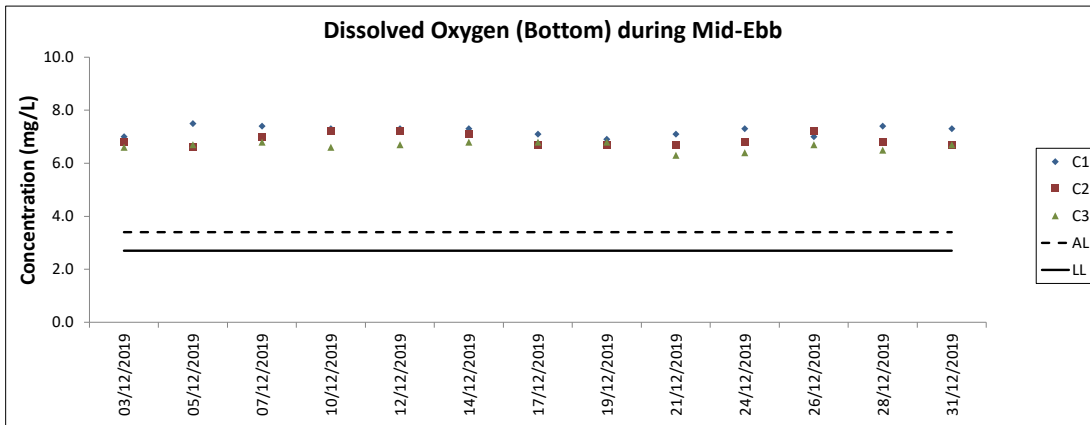
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Rainy	Rough	11:29	8.2	Surface	1.0	0.3	35	20.0	20.0	7.8	7.8	32.0	32.0	96.7	96.8	7.3	7.3	6.7	8	8	83	87	<0.2	0.8	<0.2	1.2	815611	804244	<0.2	0.8					
						1.0	0.3	36	20.0	20.0	7.8	7.8	32.1	32.0	96.8	96.8	7.3	7.3	7.2	8	8	84	87	<0.2	0.9											
						4.1	0.2	39	20.0	20.0	7.8	7.8	32.3	32.3	96.0	96.1	7.2	7.2	9.9	8	8	87	88	<0.2	1.1											
					4.1	0.3	42	20.0	20.0	7.8	7.8	32.3	32.3	96.1	96.1	7.2	7.2	9.6	8	8	88	89	<0.2	1.0												
					7.2	0.3	28	20.0	20.0	7.8	7.8	32.5	32.5	95.8	95.9	7.2	7.2	10.9	8	8	91	91	<0.2	1.7												
					7.2	0.3	30	20.0	20.0	7.8	7.8	32.5	32.5	95.9	95.9	7.2	7.2	10.6	8	8	91	91	<0.2	1.6												
C2	Rainy	Moderate	11:44	11.3	Surface	1.0	0.3	318	20.5	20.5	7.9	7.9	30.4	30.4	90.5	90.5	6.8	6.8	3.5	4	4	85	85	<0.2	1.5	<0.2	1.8	825683	806931	<0.2	1.5					
						1.0	0.3	318	20.5	20.5	7.9	7.9	30.4	30.4	90.4	90.4	6.8	6.8	3.5	3	3	86	86	<0.2	1.7											
						5.7	0.3	339	20.5	20.5	7.9	7.9	30.8	30.8	90.3	90.3	6.8	6.8	5.4	3	3	88	88	<0.2	1.8											
					5.7	0.3	347	20.5	20.5	7.9	7.9	30.8	30.8	90.3	90.3	6.8	6.8	5.6	4	4	87	87	<0.2	1.7												
					10.3	0.3	327	20.5	20.5	7.9	7.9	30.9	30.9	90.8	90.9	6.8	6.8	6.3	4	4	89	89	<0.2	1.8												
					10.3	0.3	336	20.5	20.5	7.9	7.9	30.9	30.9	90.9	90.9	6.8	6.8	6.2	4	4	91	91	<0.2	2.0												
C3	Foggy	Moderate	10:08	11.0	Surface	1.0	0.5	280	20.4	20.4	8.0	8.0	31.8	31.8	91.6	91.6	6.9	6.9	4.4	5	5	86	86	<0.2	1.8	<0.2	1.9	822127	817815	<0.2	1.8					
						1.0	0.5	303	20.4	20.4	8.0	8.0	31.8	31.8	91.5	91.5	6.9	6.9	4.6	5	5	85	85	<0.2	2.0											
						5.5	0.4	283	20.3	20.3	8.0	8.0	32.1	32.1	90.7	90.8	6.8	6.8	9.9	6	6	88	88	<0.2	1.8											
					5.5	0.4	308	20.3	20.3	8.0	8.0	32.1	32.1	90.8	90.8	6.8	6.8	10.1	5	5	88	88	<0.2	1.9												
					10.0	0.3	285	20.3	20.3	8.0	8.0	32.1	32.1	91.2	91.2	6.8	6.8	14.6	5	5	90	90	<0.2	1.7												
					10.0	0.3	291	20.3	20.3	8.0	8.0	32.1	32.1	91.2	91.2	6.8	6.8	14.6	6	6	91	91	<0.2	1.9												
IM1	Rainy	Moderate	11:47	4.4	Surface	1.0	0.1	353	20.2	20.2	7.8	7.8	32.2	32.2	94.7	94.8	7.1	7.1	5.6	8	8	83	83	<0.2	1.9	<0.2	1.9	817936	807142	<0.2	1.9					
						1.0	0.1	325	20.2	20.2	7.8	7.8	32.2	32.2	94.9	94.9	7.1	7.1	5.9	9	9	84	84	<0.2	2.0											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-
					3.4	0.1	346	20.1	20.1	7.8	7.8	32.2	32.2	95.7	95.9	7.2	7.2	7.2	9	9	91	91	<0.2	1.9												
					3.4	0.2	318	20.2	20.2	7.8	7.8	32.2	32.2	96.0	96.0	7.2	7.2	7.2	9	9	91	91	<0.2	1.9												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-
IM2	Rainy	Rough	11:55	6.6	Surface	1.0	0.2	34	20.1	20.1	7.8	7.8	32.0	32.0	96.3	96.5	7.2	7.2	6.2	10	10	84	84	<0.2	1.8	<0.2	2.0	818151	806164	<0.2	1.8					
						1.0	0.2	35	20.1	20.1	7.8	7.8	32.0	32.0	96.6	96.6	7.3	7.2	6.3	9	9	84	84	<0.2	1.9											
						3.3	0.2	5	20.1	20.1	7.7	7.7	32.0	32.0	96.2	96.3	7.2	7.2	9.0	11	11	88	88	<0.2	2.0											
					3.3	0.2	5	20.1	20.1	7.8	7.8	32.0	32.0	96.3	96.3	7.2	7.2	9.5	10	10	88	88	<0.2	2.0												
					5.6	0.2	359	20.1	20.1	7.8	7.8	32.0	32.0	95.9	95.9	7.2	7.2	11.9	10	10	91	91	<0.2	2.1												
					5.6	0.2	330	20.1	20.1	7.8	7.8	32.0	32.0	95.6	95.6	7.2	7.2	11.9	10	10	92	92	<0.2	2.0												
IM3	Rainy	Rough	12:02	6.7	Surface	1.0	0.3	4	20.1	20.1	7.8	7.8	31.3	31.3	96.9	96.9	7.3	7.3	4.4	8	8	83	83	<0.2	2.1	<0.2	1.4	818796	805570	<0.2	2.1					
						1.0	0.3	4	20.1	20.1	7.8	7.8	31.3	31.3	96.8	96.8	7.3	7.3	4.5	9	9	84	84	<0.2	2.0											
						3.4	0.2	348	20.2	20.2	7.8	7.8	31.8	31.8	95.6	95.5	7.2	7.2	6.1	8	8	87	87	<0.2	1.0											
					3.4	0.2	320	20.2	20.2	7.8	7.8	31.8	31.8	95.3	95.3	7.2	7.2	6.2	9	9	88	88	<0.2	1.0												
					5.7	0.2	335	20.2	20.2	7.8	7.8	31.9	31.9	95.7	95.7	7.2	7.2	6.6	9	9	91	91	<0.2	1.0												
					5.7	0.2	347	20.2	20.2	7.8	7.8	31.9	31.9	95.7	95.7	7.2	7.2	6.6	9	9	91	91	<0.2	1.0												
IM4	Rainy	Rough	12:10	7.6	Surface	1.0	0.4	359	20.1	20.1	7.8	7.8	31.3	31.3	96.5	96.5	7.3	7.3	4.7	7	7	83	83	<0.2	1.0	<0.2	0.9	819708	804591	<0.2	1.0					
						1.0	0.5	330	20.1	20.1	7.8	7.8	31.3	31.3	96.4	96.4	7.3	7.3	4.8	7	7	84	84	<0.2	0.9											
						3.8	0.4	353	20.1	20.1	7.8	7.8	31.7	31.7	95.5	95.5	7.2	7.2	6.1	8	8	88	88	<0.2	0.9											
					3.8	0.4	325	20.1	20.1	7.8	7.8	31.7	31.7	95.4	95.4	7.2	7.2	6.2	9	9	88	88	<0.2	1.0												
					6.6	0.4	0	20.1	20.1	7.8	7.8	31.7	31.7	96.0	96.0	7.2	7.2	7.0	9	9	91	91	<0.2	0.9												
					6.6	0.4	0	20.1	20.1	7.8	7.8	31.7	31.7	96.2	96.1	7.2	7.2	7.0	8	8	92	92	<0.2	0.9												
IM5	Rainy	Rough	12:17	6.4	Surface	1.0	0.6	17	20.1	20.1	7.7	7.7	31.4	31.5	96.4	96.4	7.3	7.3	6.7	13	13	83	83	<0.2	0.9	<0.2	0.9	820729	804870	<0.2	0.9					
						1.0	0.6	17	20.1	20.1	7.7	7.7	31.5	31.5	96.4	96.4	7.3	7.3	7.3	12	12	84	84	<0.2	0.9											
						3.2	0.5	20	20.1	20.1	7.8	7.8	31.8	31.8	95.7	95.8	7.2	7.2	8.0	13	13	87	87	<0.2	1.0											
					3.2	0.5	20	20.1	20.1	7.8	7.8	31.8	31.8	95.8	95.8	7.2	7.2	7.9	12	12	87	87	<0.2	1.0												
					5.4	0.4	16	20.1	20.1	7.8	7.8	31.9	31.9	95.8	95.8	7.2	7.2	8.7	12	12	90	90	<0.2	0.9												
					5.4	0.4	17	20.1	20.1	7.8	7.8	31.9	31.9	96.2	96.0	7.2	7.2	8.7	12	12	91	91	<0.2	0.9												
IM6	Rainy	Rough	12:23	6.7	Surface	1.0	0.1	256	20.1	20.1	7.8	7.8	32.0	32.0	96.9	96.9	7.3	7.3	5.7	10	10	84	84	<0.2	1.0	<0.2	1.0	821071	805806	<0.2	1.0					
						1.0	0.1	259	20.1	20.1	7.8	7.8	32.0	32.0	96.8	96.8	7.3	7.3	5.9	11	11	84	84	<0.2	1.0											
						3.4	0.1	237	20.1	20.1	7.8	7.8	32.0	32.0	96.5	96.5	7.3	7.3	6.3	11	11	87	87	<0.2	0.9											
					3.4	0.1	260	20.1	20.1	7.8	7.8	32.0	32.0	96.6	96.6	7.3	7.3	6.6	12	12	88	88	<0.2	1.0												
					5.7	0.0	219	20.1	20.1	7.8	7.8	32.0	32.0	96.9	97.0	7.3	7.3	8.3	13	13	91	91	<0.2	1.1												
					5.7	0.0	228	20.1	20.1	7.8	7.8	32.0	32.0	97.0	97.0	7.3	7.3	7.7	12	12	92	92	<0.2	1.0												
IM7	Rainy	Rough	12:33	7.9	Surface																															

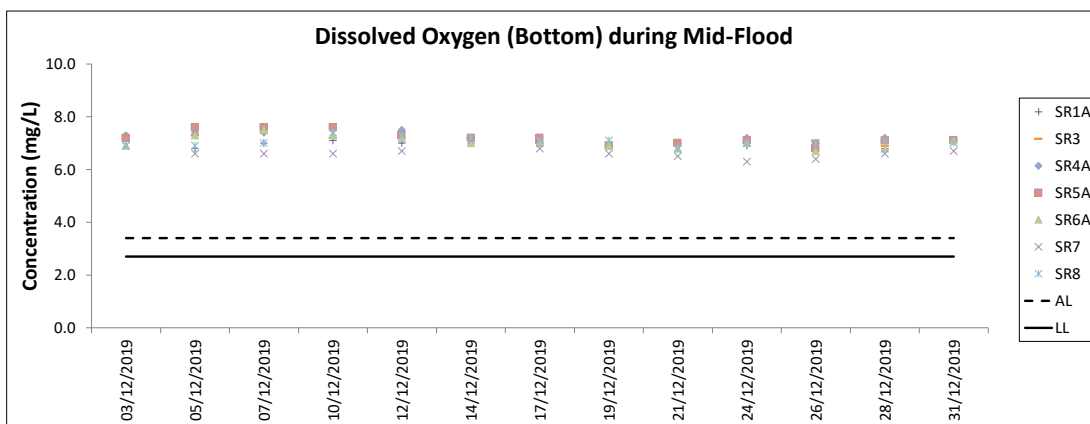
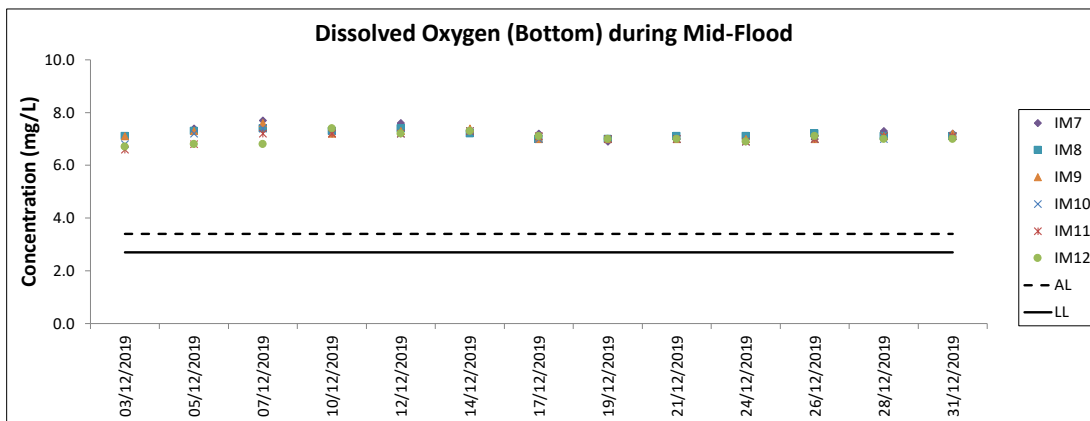
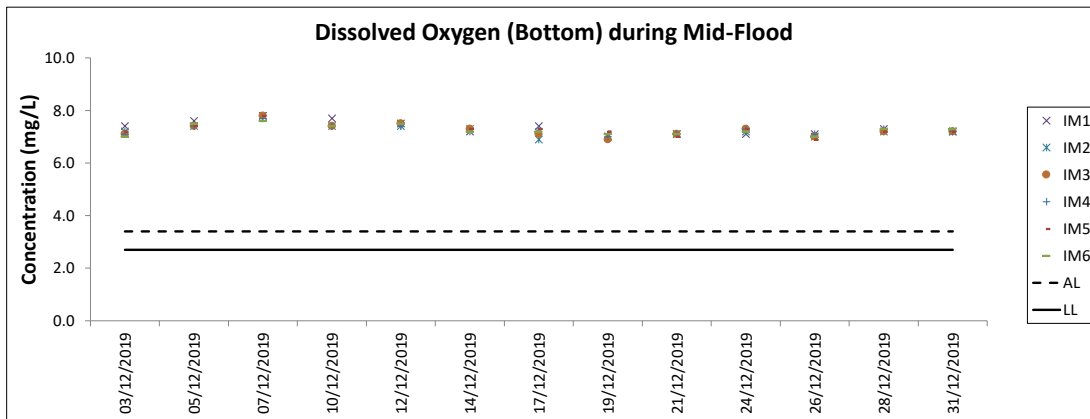
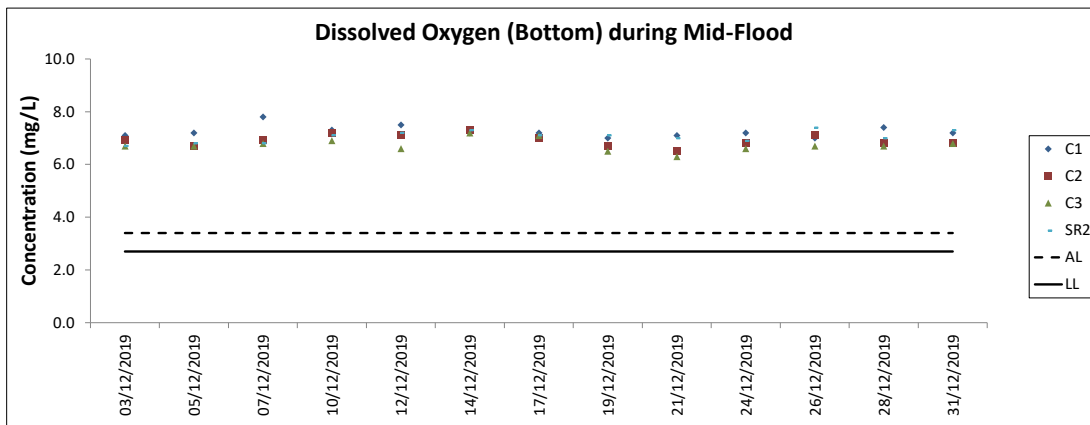
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

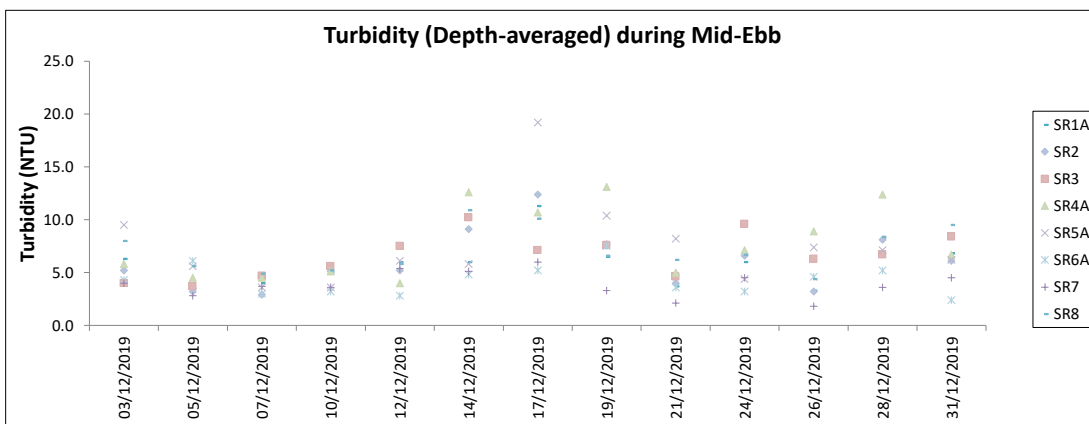
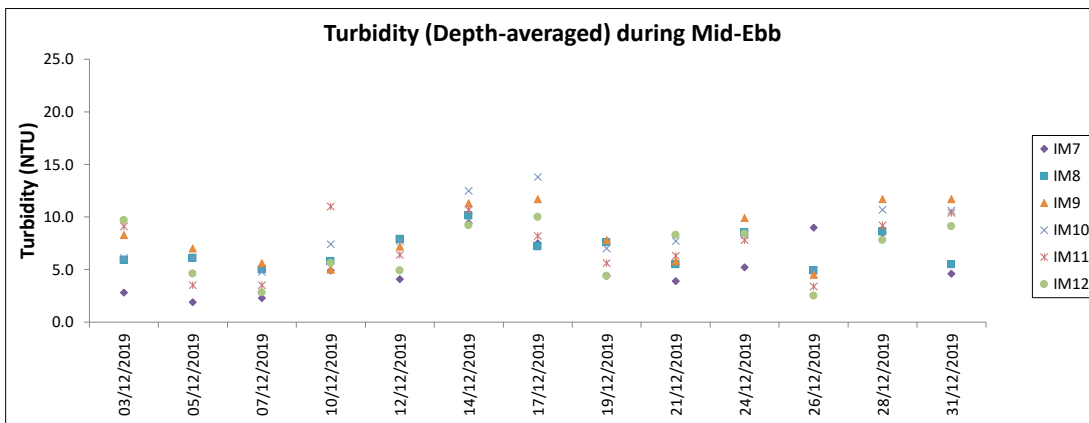
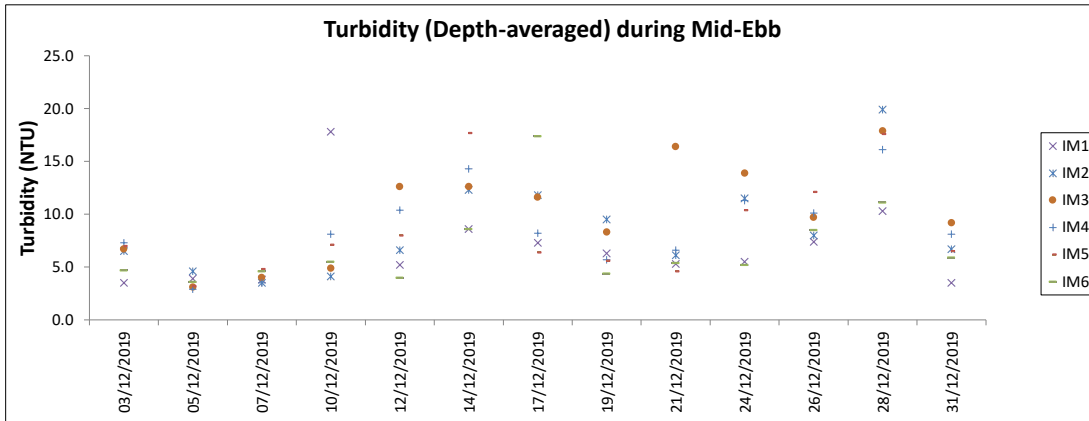
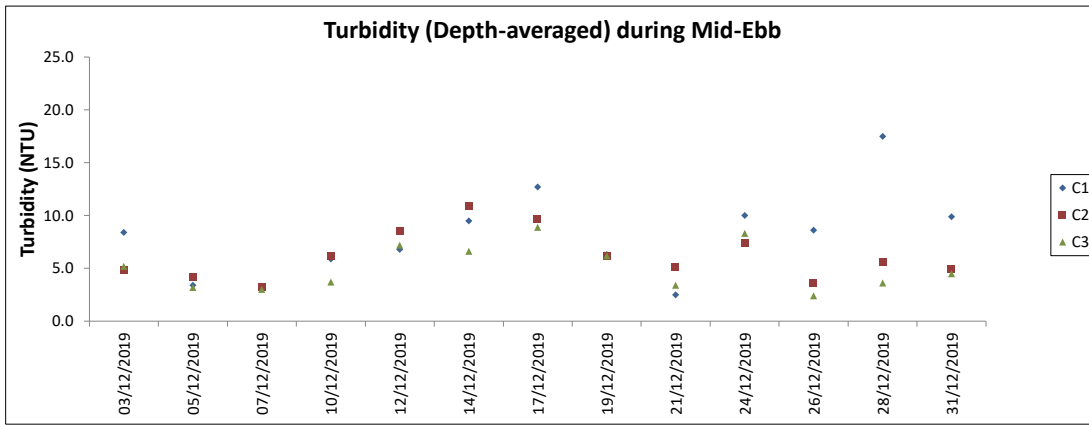
Water Quality Monitoring Results on 31 December 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Rainy	Moderate	11:14	7.4	Surface	1.0	0.1	273	20.4	20.4	8.0	8.0	30.9	30.9	92.8	92.8	7.0	7.0	5.5	7	86	86	88	822100	808802	<0.2	0.9	<0.2	1.0			
						1.0	0.2	280	20.4	20.4	8.0	8.0	30.9	30.9	92.8	92.8	7.0	7.0	5.7	7	86	86	88	822100	808802	<0.2	1.0	<0.2	0.9			
					Middle	3.7	0.1	312	20.3	20.3	8.0	8.0	31.4	31.4	93.1	93.2	7.0	7.0	7.5	8	88	88	88	822100	808802	<0.2	0.9	<0.2	0.9			
						3.7	0.2	340	20.3	20.3	8.0	8.0	31.4	31.4	93.2	93.2	7.0	7.0	7.3	8	88	88	88	822100	808802	<0.2	0.9	<0.2	0.9			
					Bottom	6.4	0.1	300	20.3	20.3	8.0	8.0	31.5	31.5	94.9	95.1	7.1	7.2	7.7	10	90	90	90	822100	808802	<0.2	0.9	<0.2	0.9			
						6.4	0.1	316	20.3	20.3	8.0	8.0	31.5	31.5	95.3	95.3	7.2	7.2	7.6	10	90	90	90	822100	808802	<0.2	0.9	<0.2	0.9			
IM10	Rainy	Moderate	11:08	7.4	Surface	1.0	0.0	358	20.2	20.2	8.0	8.0	31.5	31.5	92.0	92.0	6.9	6.9	8.5	9	86	86	88	822379	809795	<0.2	1.8	<0.2	1.8			
						1.0	0.0	329	20.2	20.2	8.0	8.0	31.5	31.5	92.0	92.0	6.9	6.9	8.5	9	85	85	88	822379	809795	<0.2	1.8	<0.2	1.8			
					Middle	3.7	0.0	298	20.2	20.2	8.0	8.0	31.5	31.5	92.4	92.4	7.0	7.0	8.4	10	88	88	88	822379	809795	<0.2	1.9	<0.2	1.9			
						3.7	0.0	317	20.2	20.2	8.0	8.0	31.5	31.5	92.4	92.4	7.0	7.0	8.3	10	87	87	88	822379	809795	<0.2	1.9	<0.2	1.9			
					Bottom	6.4	0.1	262	20.2	20.2	8.0	8.0	31.5	31.5	93.5	93.7	7.0	7.1	7.7	10	90	90	90	822379	809795	<0.2	2.0	<0.2	2.0			
						6.4	0.1	266	20.2	20.2	8.0	8.0	31.5	31.5	93.8	93.8	7.1	7.1	7.7	11	91	91	91	822379	809795	<0.2	1.9	<0.2	1.9			
IM11	Rainy	Moderate	10:58	8.4	Surface	1.0	0.4	301	20.2	20.2	8.0	8.0	31.6	31.6	93.2	93.2	7.0	7.0	7.3	10	86	86	88	822071	811441	<0.2	1.8	<0.2	1.8			
						1.0	0.4	316	20.2	20.2	8.0	8.0	31.6	31.6	93.2	93.2	7.0	7.1	7.4	9	86	86	88	822071	811441	<0.2	1.7	<0.2	1.7			
					Middle	4.2	0.4	307	20.2	20.2	8.0	8.0	31.8	31.8	93.9	94.0	7.1	7.1	9.8	11	89	89	88	822071	811441	<0.2	1.9	<0.2	1.9			
						4.2	0.4	326	20.2	20.2	8.0	8.0	31.8	31.8	94.1	94.1	7.1	7.1	11.2	12	88	88	88	822071	811441	<0.2	2.0	<0.2	2.0			
					Bottom	7.4	0.3	307	20.2	20.2	8.0	8.0	31.8	31.8	94.9	95.0	7.1	7.1	11.2	11	91	91	91	822071	811441	<0.2	2.0	<0.2	2.0			
						7.4	0.4	327	20.2	20.2	8.0	8.0	31.8	31.8	95.0	95.0	7.1	7.1	11.3	12	92	92	92	822071	811441	<0.2	2.0	<0.2	2.0			
IM12	Rainy	Moderate	10:52	7.7	Surface	1.0	0.5	280	20.2	20.2	8.0	8.0	31.8	31.8	92.4	92.4	6.9	6.9	10.4	13	86	86	88	821464	812046	<0.2	2.0	<0.2	2.0			
						1.0	0.5	300	20.2	20.2	8.0	8.0	31.8	31.8	92.4	92.4	6.9	6.9	10.5	14	86	86	88	821464	812046	<0.2	2.0	<0.2	2.0			
					Middle	3.9	0.4	292	20.2	20.2	8.0	8.0	31.9	31.9	92.2	92.2	6.9	6.9	11.2	12	88	88	88	821464	812046	<0.2	1.7	<0.2	1.7			
						3.9	0.4	309	20.2	20.2	8.0	8.0	31.9	31.9	92.2	92.2	6.9	6.9	11.1	11	87	87	88	821464	812046	<0.2	1.8	<0.2	1.8			
					Bottom	6.7	0.4	291	20.2	20.2	8.0	8.0	32.0	32.0	93.0	93.0	7.0	7.0	13.1	10	90	90	90	821464	812046	<0.2	1.8	<0.2	1.8			
						6.7	0.5	318	20.2	20.2	8.0	8.0	32.0	32.0	93.0	93.0	7.0	7.0	13.0	9	91	91	91	821464	812046	<0.2	1.7	<0.2	1.7			
SR1A	Foggy	Moderate	10:37	4.9	Surface	1.0	-	-	20.3	20.3	8.0	8.0	32.0	32.0	92.8	93.0	7.0	7.0	6.5	8	-	-	-	819979	812661	-	-	-	-			
						1.0	-	-	20.3	20.3	8.0	8.0	32.0	32.0	93.1	93.0	7.0	7.0	6.8	8	-	-	-	819979	812661	-	-	-	-			
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819979	812661	-	-	-	-	
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819979	812661	-	-	-	-	
					Bottom	3.9	-	-	20.3	20.3	8.0	8.0	32.0	32.0	94.4	94.5	7.1	7.1	8.0	7	-	-	-	-	-	819979	812661	-	-	-	-	
						3.9	-	-	20.3	20.3	8.0	8.0	32.0	32.0	94.6	94.5	7.1	7.1	8.0	8	-	-	-	-	-	819979	812661	-	-	-	-	
SR2	Foggy	Moderate	10:26	4.1	Surface	1.0	0.3	124	20.3	20.3	8.0	8.0	31.5	31.5	94.4	94.4	7.1	7.1	7.5	7	86	86	88	821483	814181	<0.2	1.8	<0.2	1.8			
						1.0	0.4	128	20.3	20.3	8.0	8.0	31.5	31.5	94.4	94.4	7.1	7.1	7.5	6	86	86	88	821483	814181	<0.2	1.9	<0.2	1.9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821483	814181	<0.2	1.8	<0.2	1.8	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821483	814181	<0.2	1.8	<0.2	1.8	
					Bottom	3.1	0.3	122	20.0	20.0	8.0	8.0	31.7	31.8	96.1	96.3	7.3	7.3	9.1	9	89	89	89	821483	814181	<0.2	1.7	<0.2	1.7			
						3.1	0.3	132	20.0	20.0	8.0	8.0	31.8	31.8	96.5	96.3	7.3	7.3	9.0	9	90	90	90	821483	814181	<0.2	1.7	<0.2	1.7			
SR3	Rainy	Moderate	11:25	8.6	Surface	1.0	0.2	350	20.5	20.5	7.9	7.9	30.4	30.4	91.7	91.7	6.9	6.9	3.9	6	-	-	-	822146	807566	-	-	-	-			
						1.0	0.2	322	20.5	20.5	7.9	7.9	30.4	30.4	91.7	91.7	6.9	6.9	4.0	6	-	-	-	822146	807566	-	-	-	-			
					Middle	4.3	0.3	357	20.5	20.5	7.9	7.9	30.5	30.5	92.5	92.6	7.0	7.0	5.6	6	-	-	-	822146	807566	-	-	-	-			
						4.3	0.3	357	20.5	20.5	7.9	7.9	30.5	30.5	92.7	92.6	7.0	7.0	5.7	5	-	-	-	822146	807566	-	-	-	-			
					Bottom	7.6	0.3	318	20.5	20.5	7.9	7.9	30.5	30.5	94.5	94.6	7.1	7.1	7.7	4	-	-	-	822146	807566	-	-	-	-			
						7.6	0.3	342	20.5	20.5	7.9	7.9	30.5	30.5	94.7	94.6	7.1	7.1	7.9	4	-	-	-	822146	807566	-	-	-	-			
SR4A	Rainy	Moderate	11:07	9.0	Surface	1.0	0.2	80	20.2	20.2	7.7	7.7	32.1	32.1	94.3	94.8	7.1	7.1	3.9	8	-	-	-	817199	807826	-	-	-	-			
						1.0	0.2	84	20.2	20.2	7.7	7.7	32.1	32.1	95.3	94.8	7.1	7.1	3.9	8	-	-	-	817199	807826	-	-	-	-			
					Middle	4.5	0.1	58	20.2	20.2	7.7	7.7	32.1	32.1	94.7	94.7	7.1	7.1	4.0	9	-	-	-	817199	807826	-	-	-	-			
						4.5	0.1	61	20.2	20.2	7.7	7.7	32.1	32.1	94.6	94.7	7.1	7.1	3.9	9	-	-	-	817199	807826	-	-	-	-			
					Bottom	8.0	0.1	72	20.2	20.2	7.7	7.7	32.1	32.1	94.8	94.8	7.1	7.1	4.4	8	-	-	-	817199	807826	-	-	-	-			
						8.0	0.1	73	20.2	20.2	7.7	7.7	32.1	32.1	94.8	94.8	7.1	7.1	4.5	9	-	-	-	817199	807826	-	-	-	-			
SR5A	Cloudy	Calm	10:50	4.8	Surface	1.0	0.1	257	20.3	20.3	7.7	7.7	32.3	32.3	93.5	93.5	7.0	7.0	7.7	9	-	-										

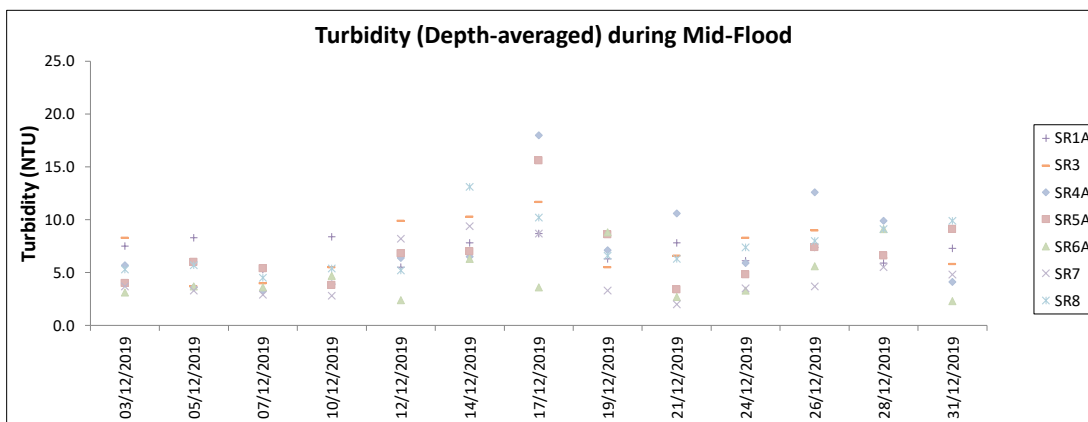
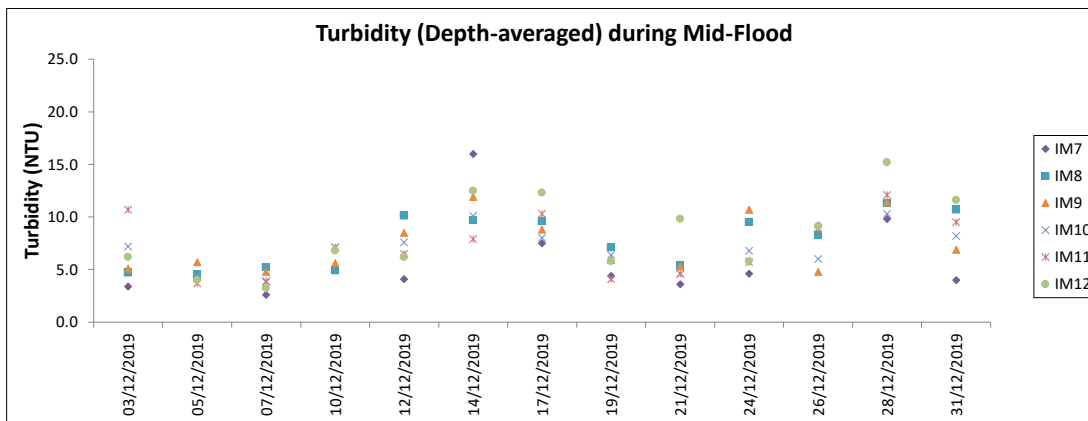
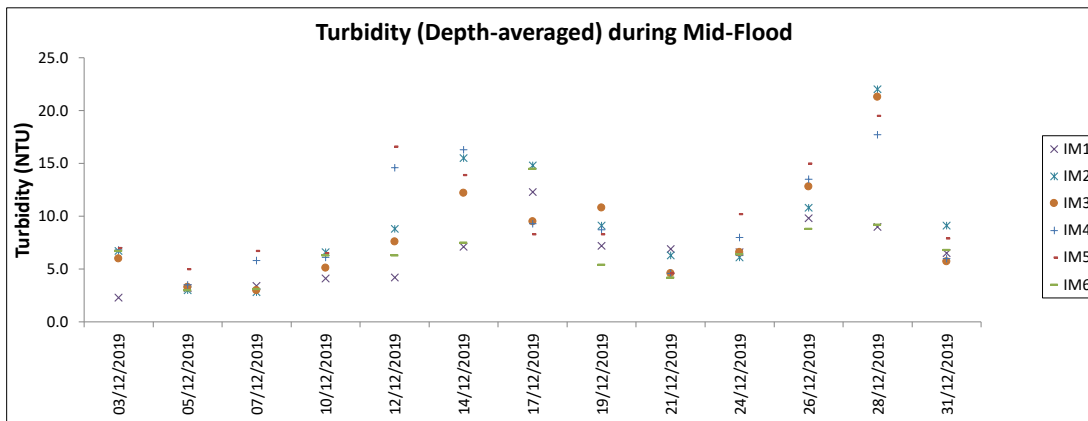
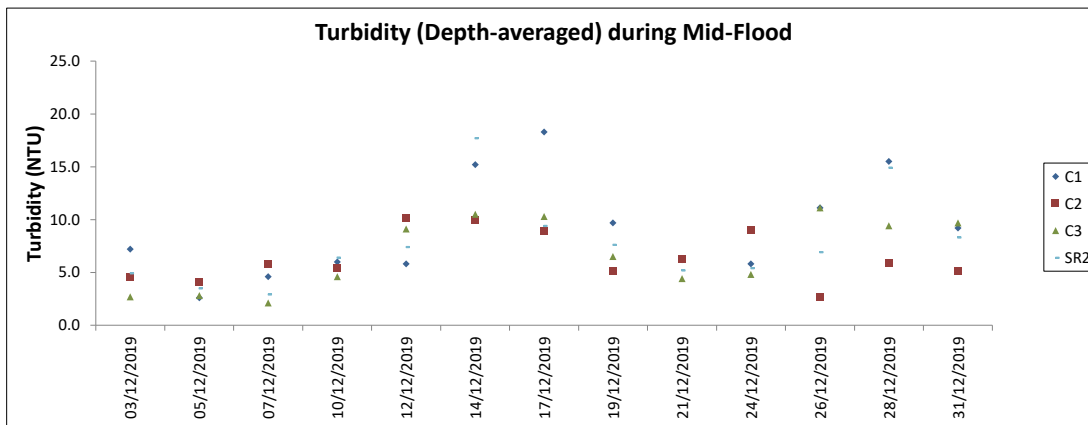




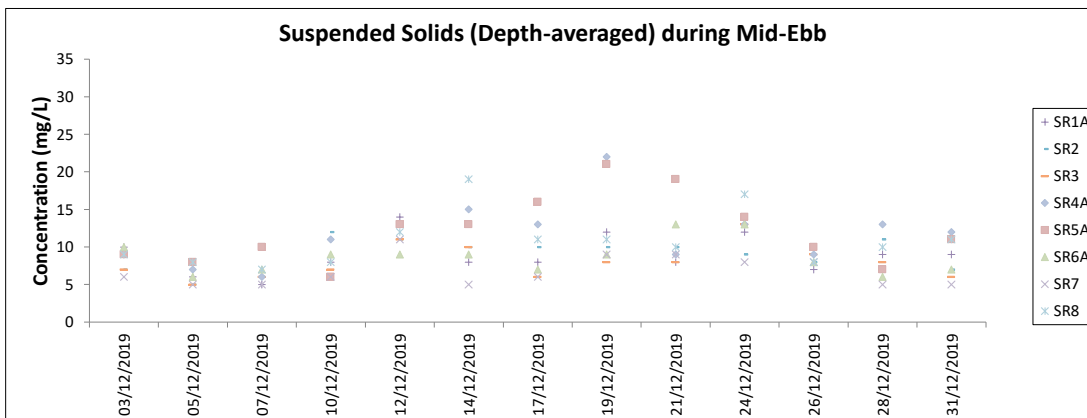
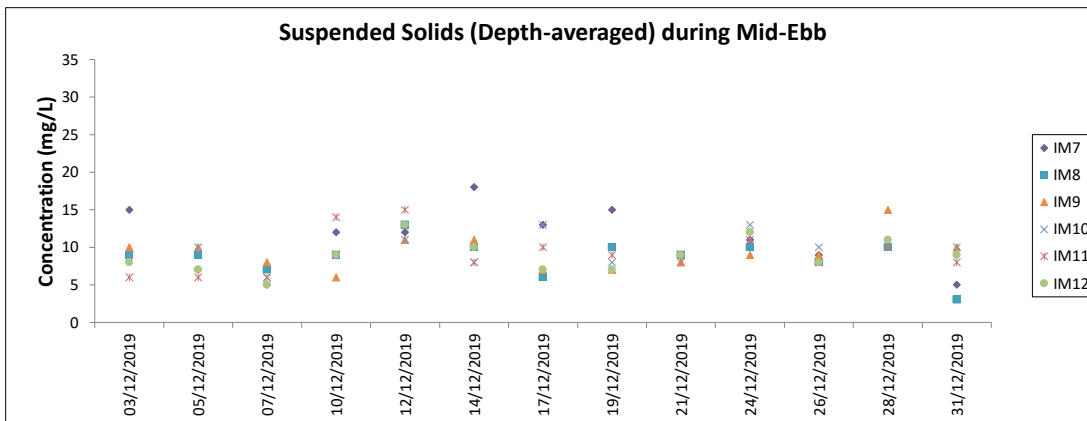
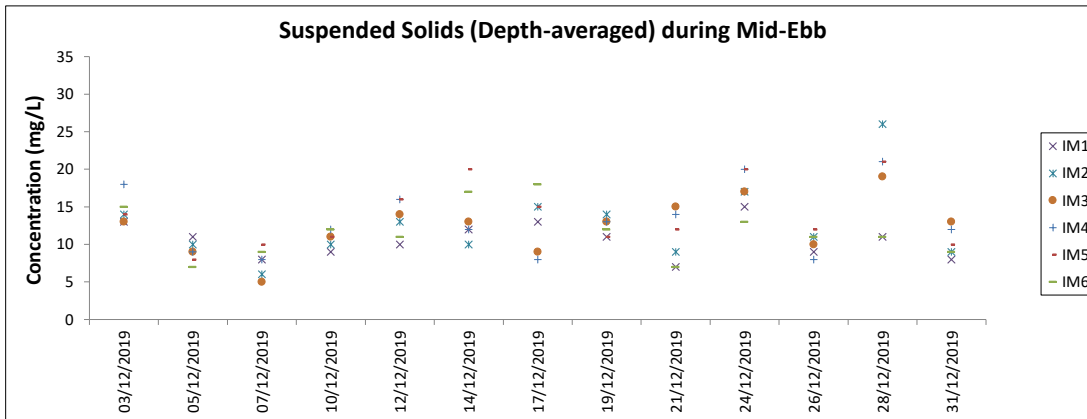
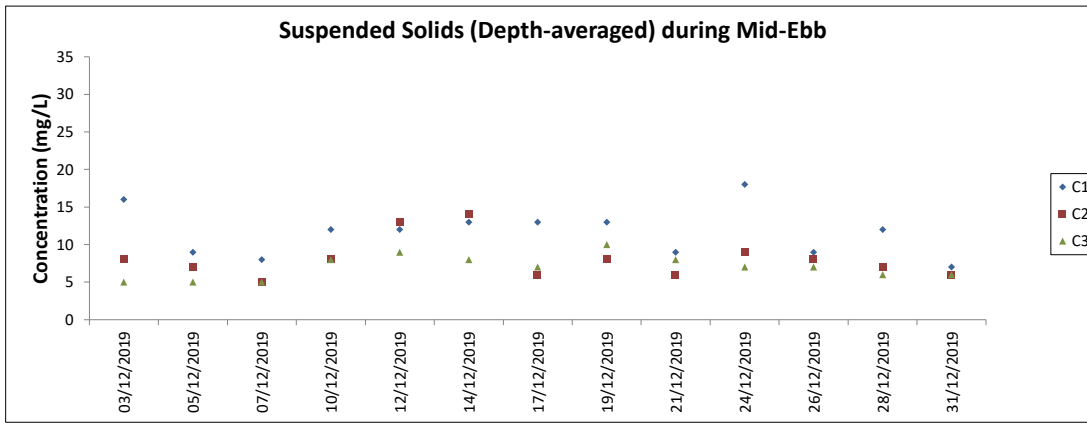




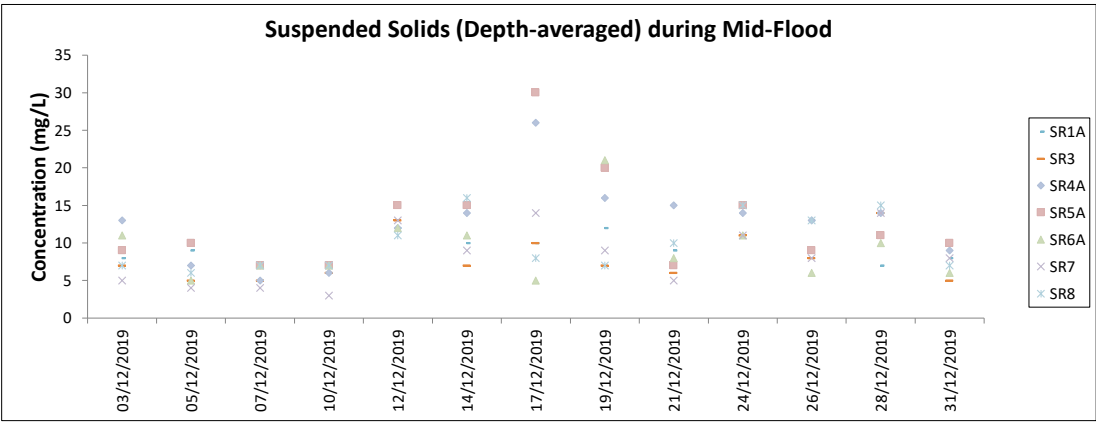
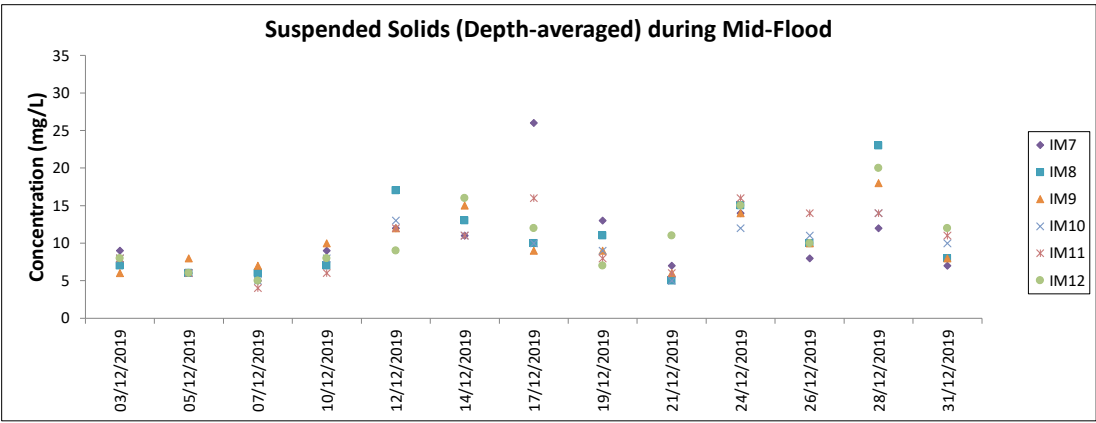
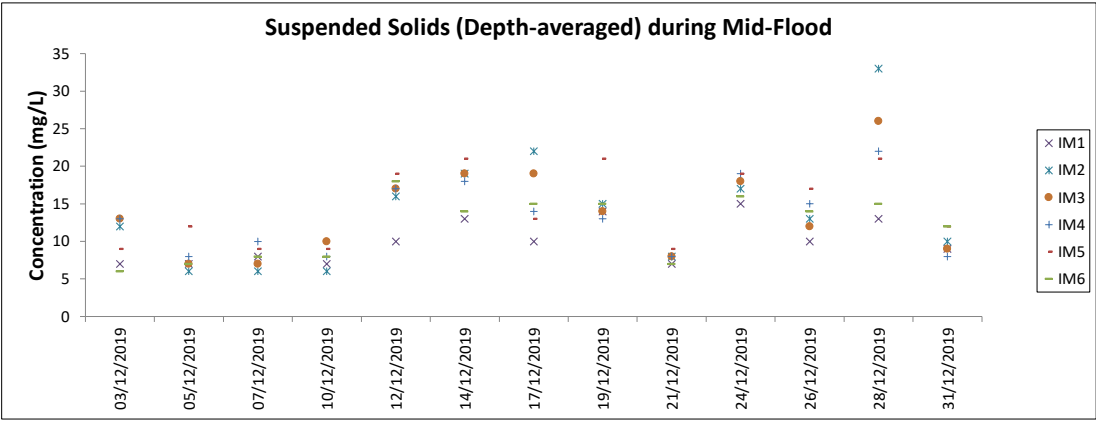
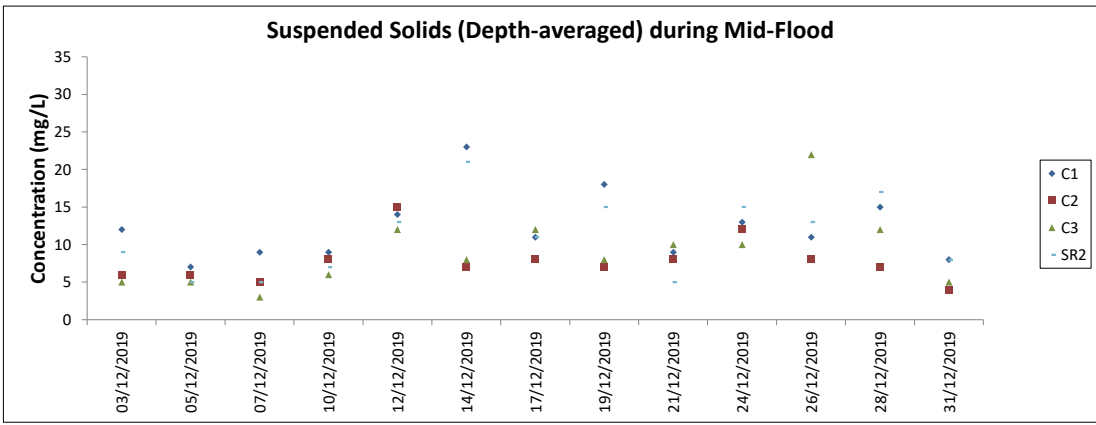
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



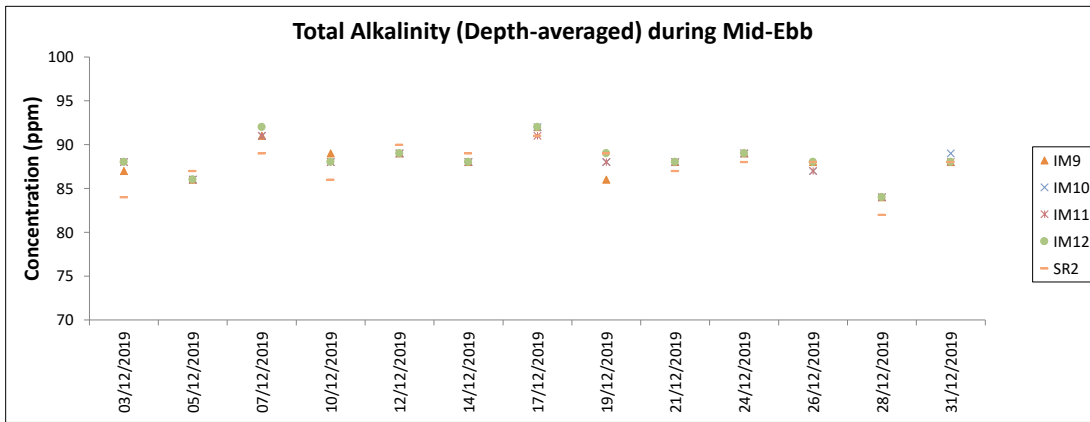
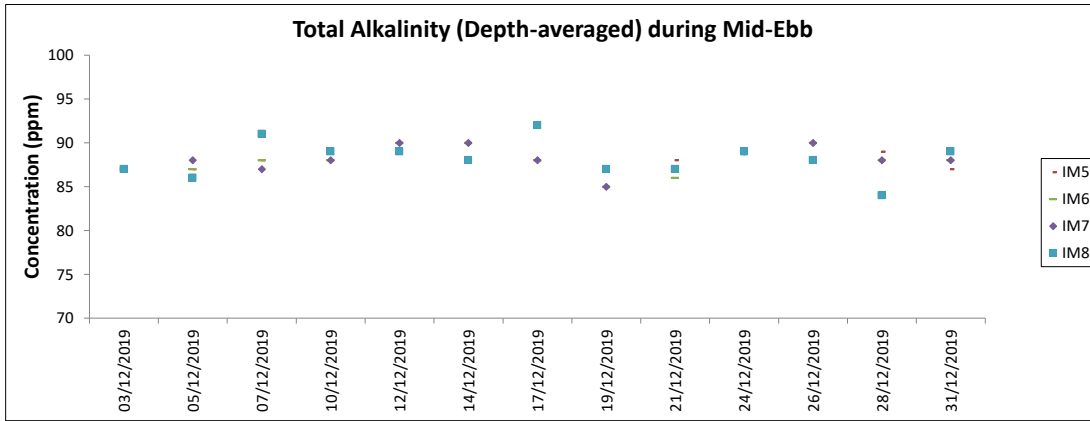
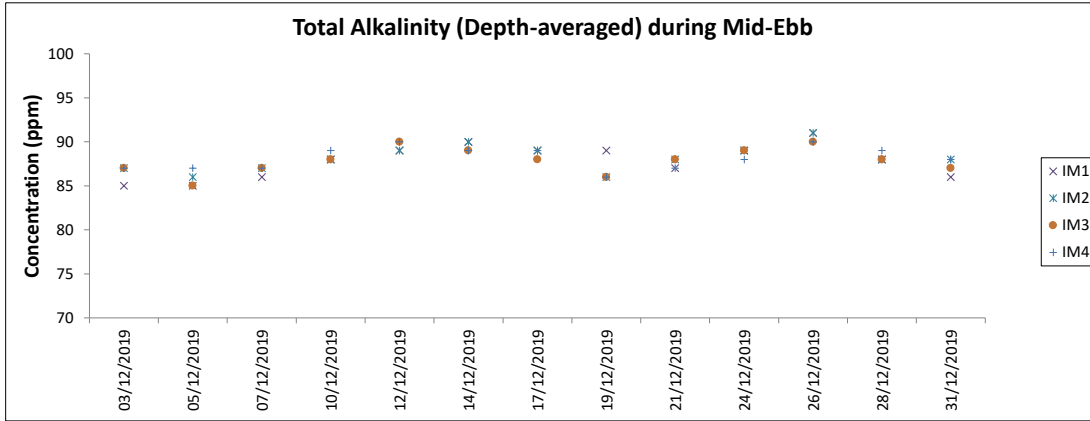
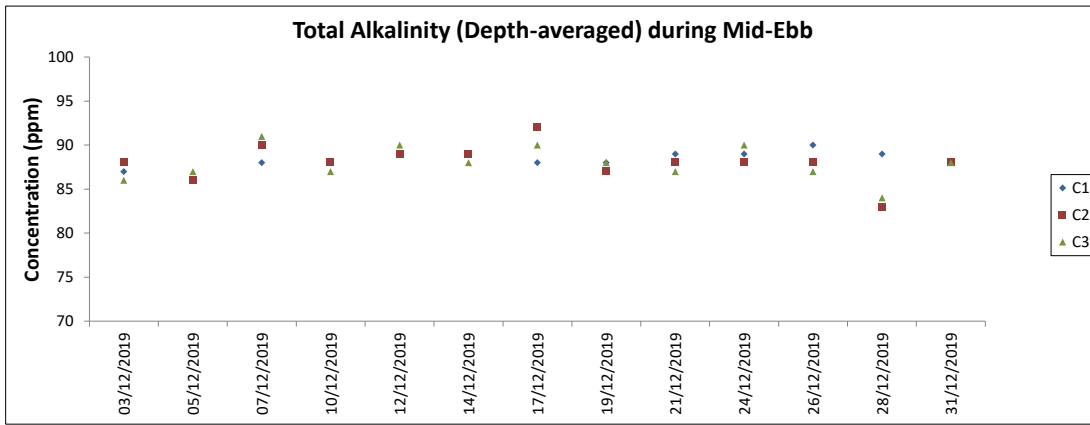
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



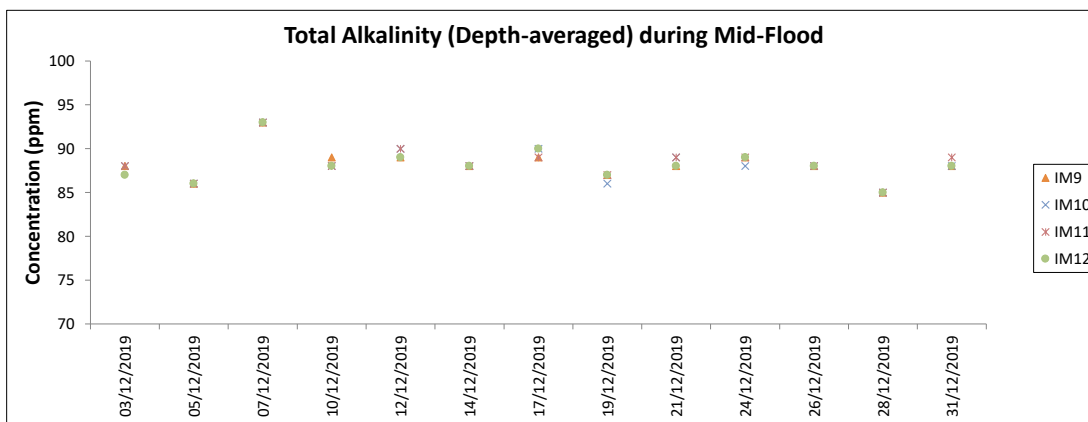
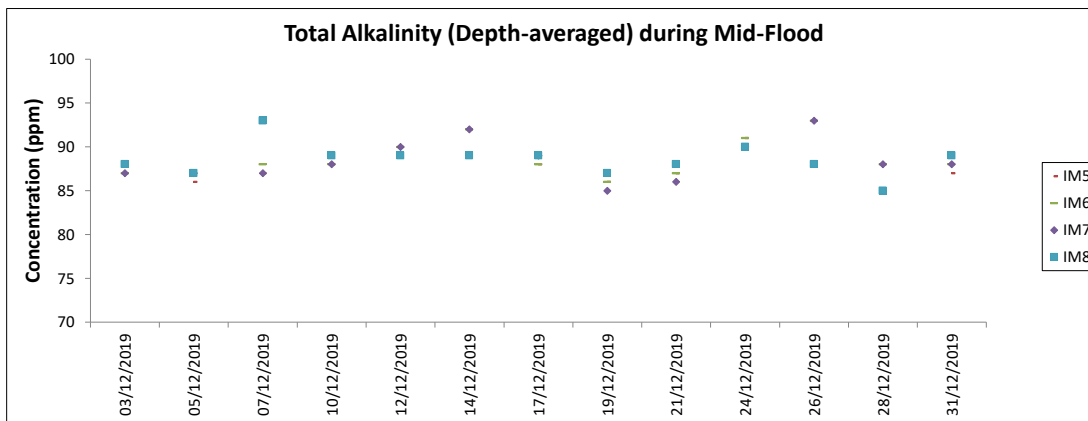
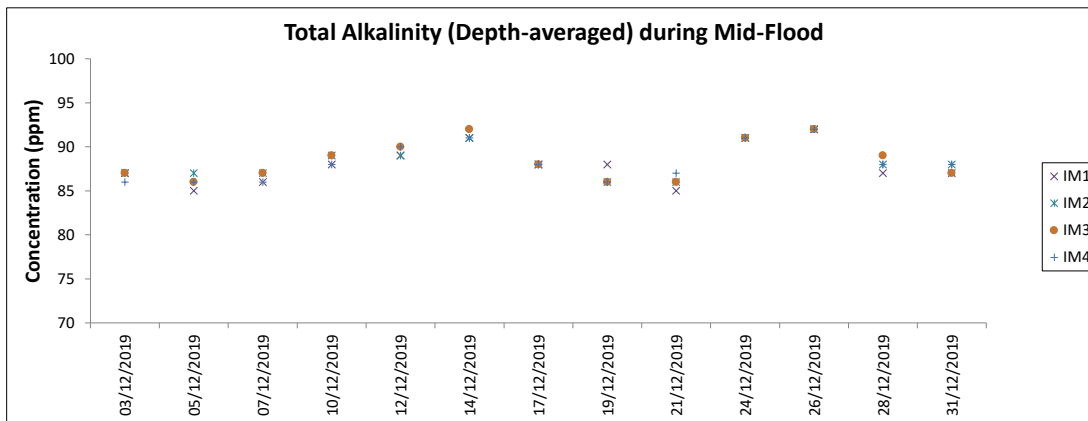
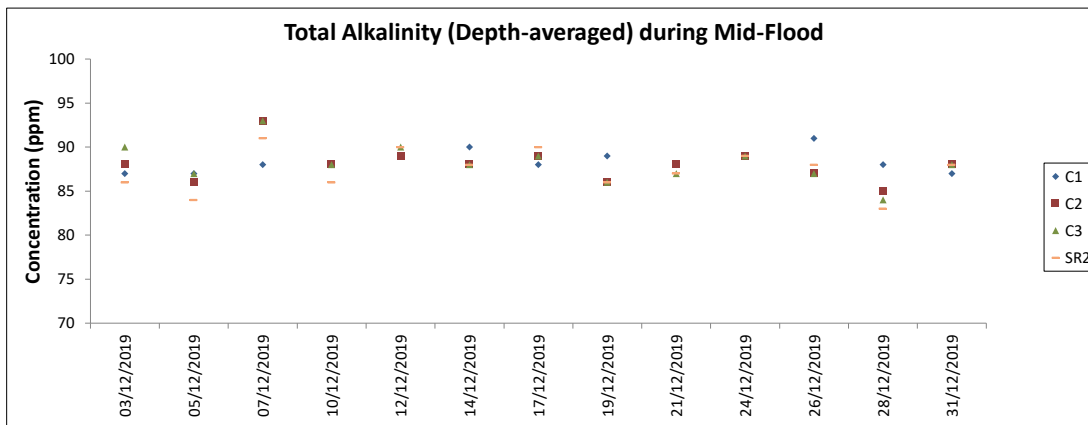
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



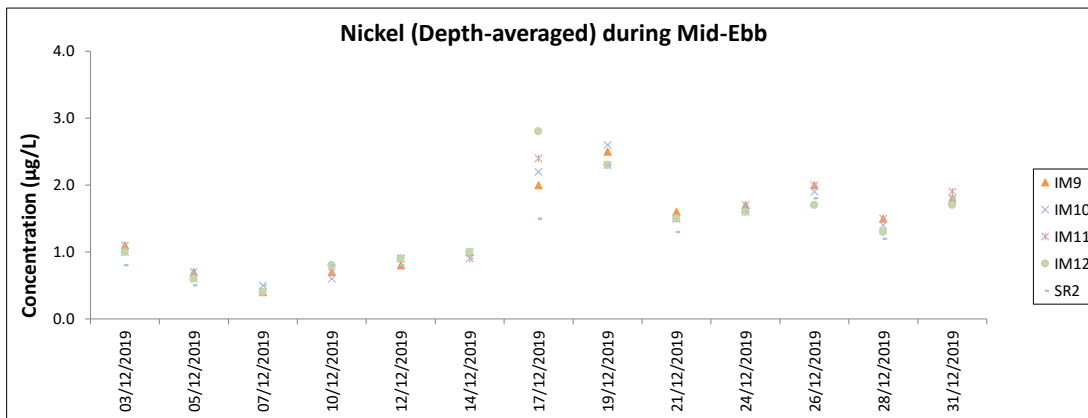
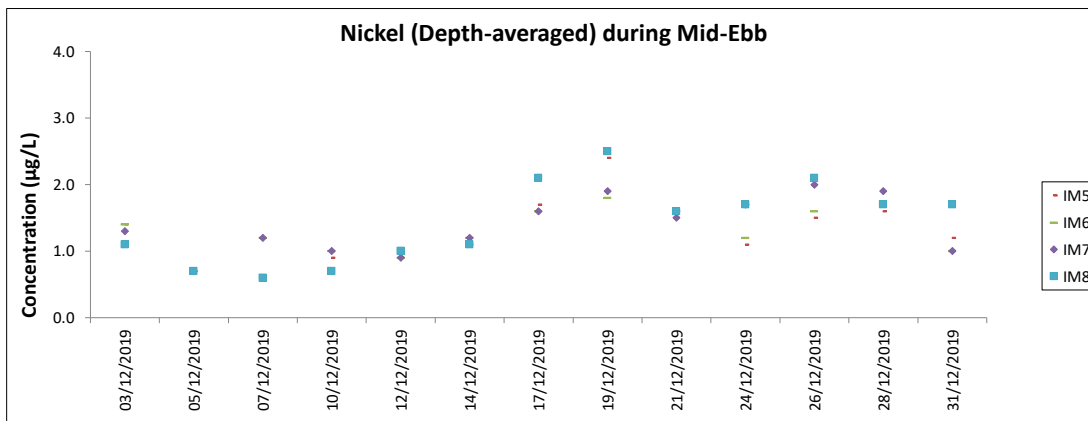
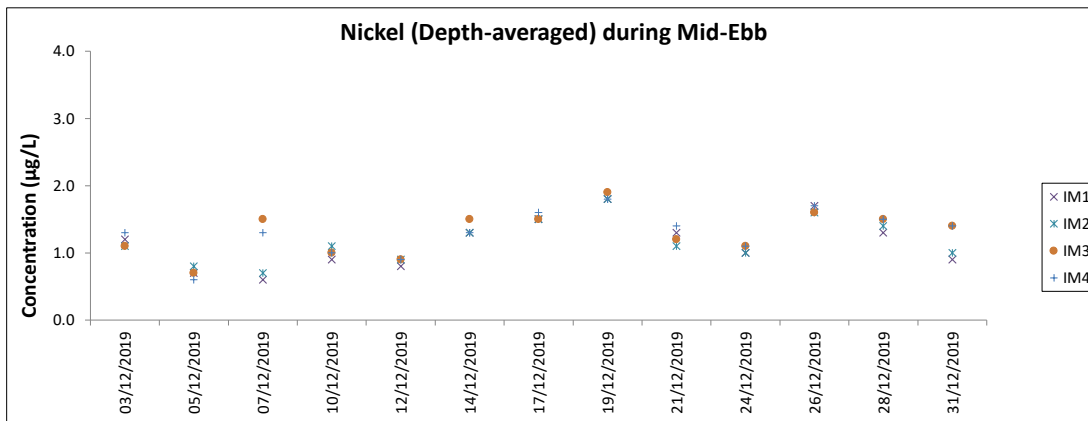
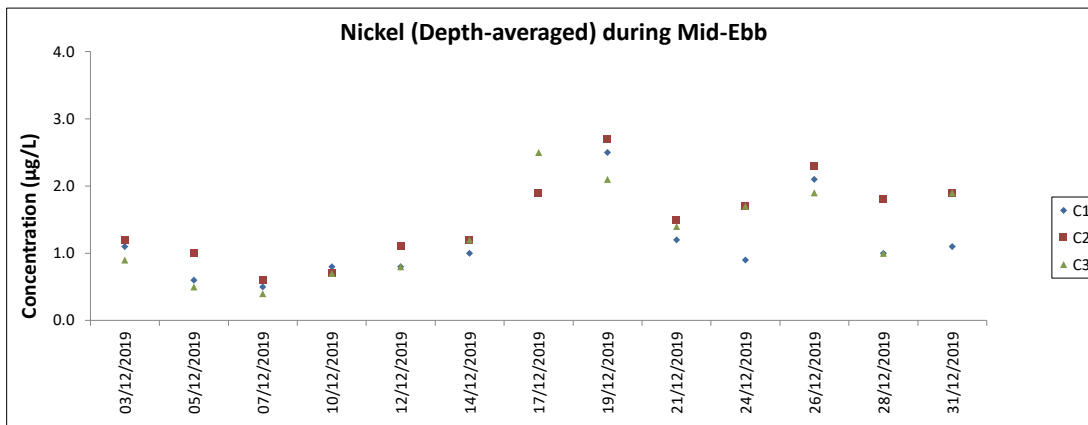
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



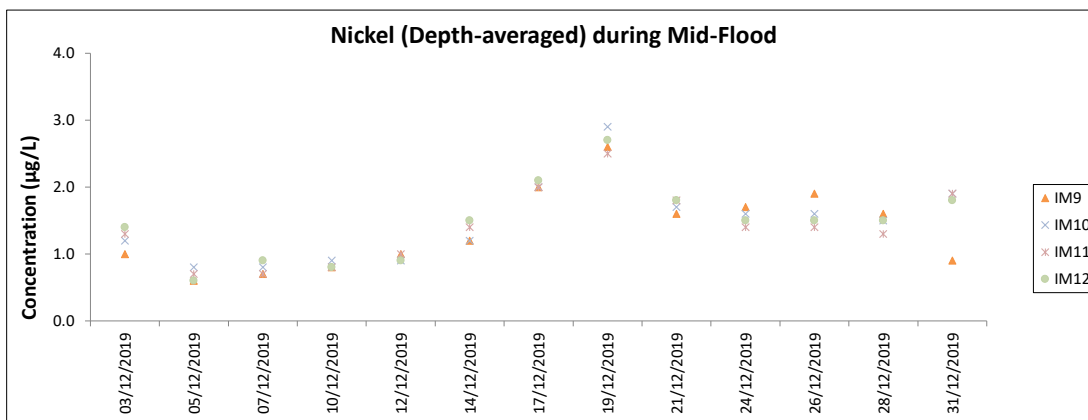
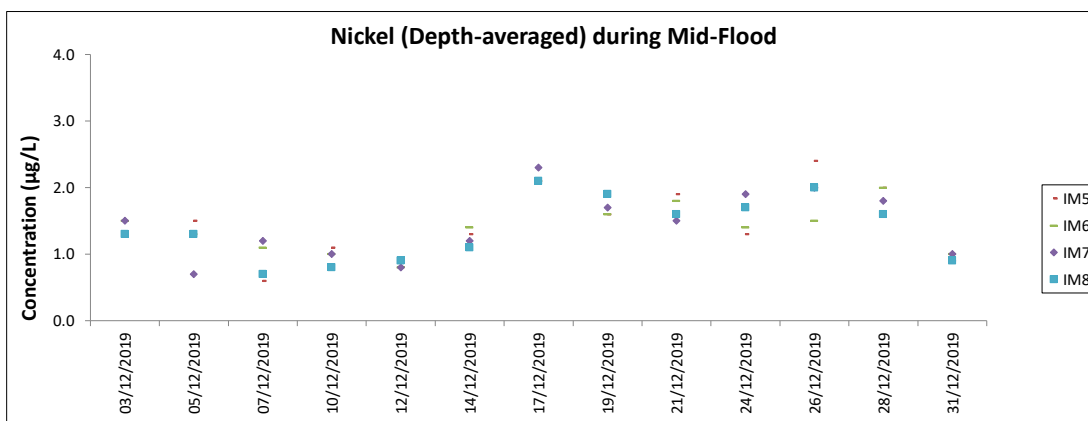
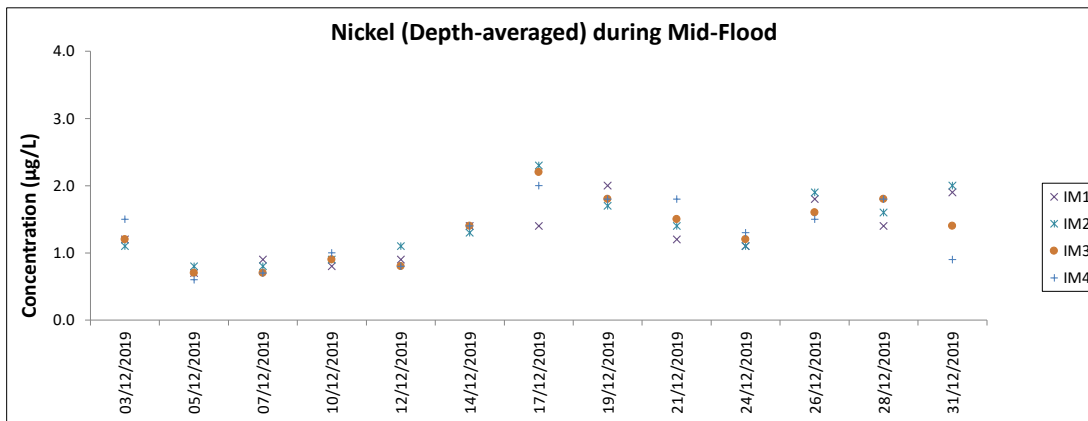
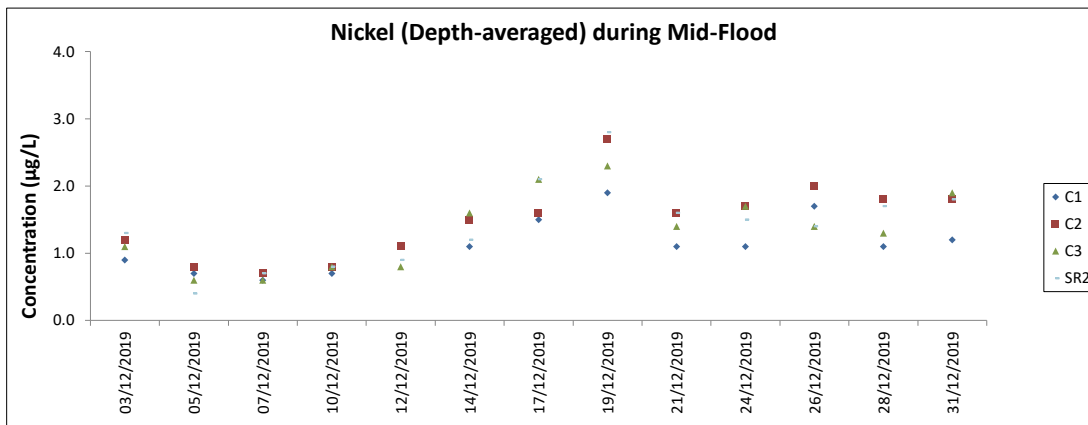
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



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



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

Chinese White Dolphin Monitoring Result

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
2-Oct-19	SWL	2	21.630	AUTUMN	32166	3RS ET	P
2-Oct-19	SWL	3	32.292	AUTUMN	32166	3RS ET	P
2-Oct-19	SWL	2	4.878	AUTUMN	32166	3RS ET	S
2-Oct-19	SWL	3	11.810	AUTUMN	32166	3RS ET	S
3-Oct-19	AW	2	3.470	AUTUMN	32166	3RS ET	P
3-Oct-19	WL	2	17.515	AUTUMN	32166	3RS ET	P
3-Oct-19	WL	2	9.401	AUTUMN	32166	3RS ET	S
4-Oct-19	SWL	2	49.551	AUTUMN	32166	3RS ET	P
4-Oct-19	SWL	3	2.100	AUTUMN	32166	3RS ET	P
4-Oct-19	SWL	2	16.128	AUTUMN	32166	3RS ET	S
4-Oct-19	SWL	3	1.100	AUTUMN	32166	3RS ET	S
10-Oct-19	NWL	2	40.510	AUTUMN	32166	3RS ET	P
10-Oct-19	NWL	3	21.930	AUTUMN	32166	3RS ET	P
10-Oct-19	NWL	2	10.970	AUTUMN	32166	3RS ET	S
10-Oct-19	NWL	3	0.900	AUTUMN	32166	3RS ET	S
11-Oct-19	AW	2	4.930	AUTUMN	32166	3RS ET	P
11-Oct-19	WL	2	19.410	AUTUMN	32166	3RS ET	P
11-Oct-19	WL	2	10.760	AUTUMN	32166	3RS ET	S
16-Oct-19	NEL	2	15.140	AUTUMN	32166	3RS ET	P
16-Oct-19	NEL	3	22.770	AUTUMN	32166	3RS ET	P
16-Oct-19	NEL	2	5.040	AUTUMN	32166	3RS ET	S
16-Oct-19	NEL	3	5.350	AUTUMN	32166	3RS ET	S
17-Oct-19	NEL	2	37.340	AUTUMN	32166	3RS ET	P
17-Oct-19	NEL	2	10.060	AUTUMN	32166	3RS ET	S
22-Oct-19	NWL	2	41.400	AUTUMN	32166	3RS ET	P
22-Oct-19	NWL	3	21.600	AUTUMN	32166	3RS ET	P
22-Oct-19	NWL	2	8.700	AUTUMN	32166	3RS ET	S
22-Oct-19	NWL	3	3.300	AUTUMN	32166	3RS ET	S
7-Nov-19	NEL	2	5.760	AUTUMN	32166	3RS ET	P
7-Nov-19	NEL	3	27.790	AUTUMN	32166	3RS ET	P
7-Nov-19	NEL	4	3.700	AUTUMN	32166	3RS ET	P
7-Nov-19	NEL	2	2.990	AUTUMN	32166	3RS ET	S
7-Nov-19	NEL	3	7.460	AUTUMN	32166	3RS ET	S
8-Nov-19	NEL	2	11.100	AUTUMN	32166	3RS ET	P
8-Nov-19	NEL	3	25.840	AUTUMN	32166	3RS ET	P
8-Nov-19	NEL	2	6.500	AUTUMN	32166	3RS ET	S
8-Nov-19	NEL	3	4.160	AUTUMN	32166	3RS ET	S
11-Nov-19	NWL	2	56.549	AUTUMN	32166	3RS ET	P
11-Nov-19	NWL	3	2.200	AUTUMN	32166	3RS ET	P
11-Nov-19	NWL	4	2.900	AUTUMN	32166	3RS ET	P
11-Nov-19	NWL	2	11.051	AUTUMN	32166	3RS ET	S
11-Nov-19	NWL	4	0.900	AUTUMN	32166	3RS ET	S
12-Nov-19	AW	3	4.760	AUTUMN	32166	3RS ET	P
12-Nov-19	WL	2	3.570	AUTUMN	32166	3RS ET	P
12-Nov-19	WL	3	14.600	AUTUMN	32166	3RS ET	P
12-Nov-19	WL	4	2.600	AUTUMN	32166	3RS ET	P
12-Nov-19	WL	2	2.990	AUTUMN	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
12-Nov-19	WL	3	5.730	AUTUMN	32166	3RS ET	S
12-Nov-19	WL	4	1.300	AUTUMN	32166	3RS ET	S
13-Nov-19	NWL	2	57.200	AUTUMN	32166	3RS ET	P
13-Nov-19	NWL	3	6.000	AUTUMN	32166	3RS ET	P
13-Nov-19	NWL	2	11.800	AUTUMN	32166	3RS ET	S
21-Nov-19	SWL	2	5.700	AUTUMN	32166	3RS ET	P
21-Nov-19	SWL	3	48.558	AUTUMN	32166	3RS ET	P
21-Nov-19	SWL	2	1.300	AUTUMN	32166	3RS ET	S
21-Nov-19	SWL	3	14.822	AUTUMN	32166	3RS ET	S
22-Nov-19	AW	1	2.900	AUTUMN	32166	3RS ET	P
22-Nov-19	AW	2	2.070	AUTUMN	32166	3RS ET	P
22-Nov-19	WL	2	6.843	AUTUMN	32166	3RS ET	P
22-Nov-19	WL	3	12.828	AUTUMN	32166	3RS ET	P
22-Nov-19	WL	2	1.987	AUTUMN	32166	3RS ET	S
22-Nov-19	WL	3	7.842	AUTUMN	32166	3RS ET	S
29-Nov-19	SWL	2	22.710	AUTUMN	32166	3RS ET	P
29-Nov-19	SWL	3	28.090	AUTUMN	32166	3RS ET	P
29-Nov-19	SWL	4	3.600	AUTUMN	32166	3RS ET	P
29-Nov-19	SWL	2	9.890	AUTUMN	32166	3RS ET	S
29-Nov-19	SWL	3	6.210	AUTUMN	32166	3RS ET	S
9-Dec-19	AW	3	4.860	WINTER	32166	3RS ET	P
9-Dec-19	WL	3	21.298	WINTER	32166	3RS ET	P
9-Dec-19	WL	4	2.800	WINTER	32166	3RS ET	P
9-Dec-19	WL	3	9.102	WINTER	32166	3RS ET	S
9-Dec-19	WL	4	0.900	WINTER	32166	3RS ET	S
10-Dec-19	SWL	2	30.840	WINTER	32166	3RS ET	P
10-Dec-19	SWL	3	23.200	WINTER	32166	3RS ET	P
10-Dec-19	SWL	2	7.990	WINTER	32166	3RS ET	S
10-Dec-19	SWL	3	8.100	WINTER	32166	3RS ET	S
13-Dec-19	NEL	2	1.500	WINTER	32166	3RS ET	P
13-Dec-19	NEL	3	35.350	WINTER	32166	3RS ET	P
13-Dec-19	NEL	4	0.400	WINTER	32166	3RS ET	P
13-Dec-19	NEL	3	10.350	WINTER	32166	3RS ET	S
16-Dec-19	NWL	2	37.711	WINTER	32166	3RS ET	P
16-Dec-19	NWL	3	25.070	WINTER	32166	3RS ET	P
16-Dec-19	NWL	2	8.660	WINTER	32166	3RS ET	S
16-Dec-19	NWL	3	2.860	WINTER	32166	3RS ET	S
17-Dec-19	SWL	2	46.934	WINTER	32166	3RS ET	P
17-Dec-19	SWL	3	8.050	WINTER	32166	3RS ET	P
17-Dec-19	SWL	2	12.746	WINTER	32166	3RS ET	S
17-Dec-19	SWL	3	3.170	WINTER	32166	3RS ET	S
18-Dec-19	AW	1	4.530	WINTER	32166	3RS ET	P
18-Dec-19	WL	1	10.510	WINTER	32166	3RS ET	P
18-Dec-19	WL	2	6.930	WINTER	32166	3RS ET	P
18-Dec-19	WL	1	4.850	WINTER	32166	3RS ET	S
18-Dec-19	WL	2	4.940	WINTER	32166	3RS ET	S
19-Dec-19	NEL	1	2.700	WINTER	32166	3RS ET	P
19-Dec-19	NEL	2	15.000	WINTER	32166	3RS ET	P
19-Dec-19	NEL	3	18.090	WINTER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
19-Dec-19	NEL	4	1.670	WINTER	32166	3RS ET	P
19-Dec-19	NEL	1	1.300	WINTER	32166	3RS ET	S
19-Dec-19	NEL	2	2.700	WINTER	32166	3RS ET	S
19-Dec-19	NEL	3	6.240	WINTER	32166	3RS ET	S
23-Dec-19	NWL	2	1.830	WINTER	32166	3RS ET	P
23-Dec-19	NWL	3	45.110	WINTER	32166	3RS ET	P
23-Dec-19	NWL	4	17.460	WINTER	32166	3RS ET	P
23-Dec-19	NWL	3	7.300	WINTER	32166	3RS ET	S
23-Dec-19	NWL	4	4.600	WINTER	32166	3RS ET	S

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

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
2-Oct-19	1	1101	FP	2	SWL	3	1	ON	3RS ET	22.1476	113.9274	AUTUMN	NONE	P
2-Oct-19	2	1114	FP	1	SWL	3	25	ON	3RS ET	22.1706	113.9277	AUTUMN	NONE	P
2-Oct-19	3	1131	CWD	1	SWL	2	36	ON	3RS ET	22.2055	113.9269	AUTUMN	NONE	P
3-Oct-19	1	0937	CWD	7	AW	2	165	ON	3RS ET	22.2983	113.8853	AUTUMN	NONE	P
3-Oct-19	2	1026	CWD	4	WL	2	485	ON	3RS ET	22.2924	113.8612	AUTUMN	NONE	P
3-Oct-19	3	1110	CWD	2	WL	2	155	ON	3RS ET	22.2605	113.8479	AUTUMN	NONE	P
3-Oct-19	4	1122	CWD	1	WL	2	127	ON	3RS ET	22.2603	113.8411	AUTUMN	NONE	P
3-Oct-19	5	1146	CWD	3	WL	2	181	ON	3RS ET	22.2416	113.8434	AUTUMN	NONE	P
3-Oct-19	6	1157	CWD	4	WL	2	207	ON	3RS ET	22.2416	113.8344	AUTUMN	NONE	P
3-Oct-19	7	1220	CWD	7	WL	2	382	ON	3RS ET	22.2282	113.8378	AUTUMN	NONE	S
3-Oct-19	8	1308	CWD	14	WL	2	265	ON	3RS ET	22.1960	113.8365	AUTUMN	NONE	P
4-Oct-19	1	1103	FP	16	SWL	2	112	ON	3RS ET	22.1428	113.9283	AUTUMN	NONE	S
4-Oct-19	2	1154	FP	2	SWL	2	114	ON	3RS ET	22.1899	113.9181	AUTUMN	NONE	P
4-Oct-19	3	1233	FP	3	SWL	2	65	ON	3RS ET	22.1542	113.9067	AUTUMN	NONE	S
4-Oct-19	4	1242	FP	2	SWL	2	19	ON	3RS ET	22.1568	113.8996	AUTUMN	NONE	S
4-Oct-19	5	1321	CWD	1	SWL	2	296	ON	3RS ET	22.2063	113.8972	AUTUMN	NONE	P
4-Oct-19	6	1356	FP	2	SWL	2	270	ON	3RS ET	22.1486	113.8921	AUTUMN	NONE	S
4-Oct-19	7	1411	FP	1	SWL	2	223	ON	3RS ET	22.1727	113.8882	AUTUMN	NONE	P
10-Oct-19	1	1047	CWD	2	NWL	3	16	ON	3RS ET	22.2709	113.8702	AUTUMN	NONE	P
10-Oct-19	2	1107	CWD	1	NWL	2	100	ON	3RS ET	22.2970	113.8779	AUTUMN	NONE	P
10-Oct-19	3	1205	CWD	4	NWL	2	112	ON	3RS ET	22.3769	113.8775	AUTUMN	NONE	P
11-Oct-19	1	1050	CWD	2	WL	2	214	ON	3RS ET	22.2503	113.8411	AUTUMN	NONE	P
11-Oct-19	2	1114	CWD	1	WL	2	26	ON	3RS ET	22.2414	113.8408	AUTUMN	NONE	P
11-Nov-19	1	1051	CWD	3	NWL	2	142	ON	3RS ET	22.2844	113.8702	AUTUMN	NONE	P
11-Nov-19	2	1155	CWD	1	NWL	2	112	ON	3RS ET	22.3605	113.8777	AUTUMN	NONE	P
11-Nov-19	3	1339	CWD	2	NWL	2	55	ON	3RS ET	22.3884	113.8980	AUTUMN	NONE	P
12-Nov-19	1	1039	CWD	3	WL	3	20	ON	3RS ET	22.2617	113.8548	AUTUMN	NONE	S
21-Nov-19	1	1113	FP	1	SWL	3	55	ON	3RS ET	22.1514	113.9361	AUTUMN	NONE	P
21-Nov-19	2	1151	CWD	1	SWL	3	23	ON	3RS ET	22.2056	113.9194	AUTUMN	NONE	S
21-Nov-19	3	1223	FP	1	SWL	3	151	ON	3RS ET	22.1518	113.9175	AUTUMN	NONE	P
21-Nov-19	4	1503	CWD	4	SWL	3	50	ON	3RS ET	22.1965	113.8686	AUTUMN	NONE	P
22-Nov-19	1	1020	CWD	1	WL	2	39	ON	3RS ET	22.2694	113.8571	AUTUMN	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
22-Nov-19	2	1100	CWD	4	WL	3	484	ON	3RS ET	22.2498	113.8460	AUTUMN	NONE	P
22-Nov-19	3	1127	CWD	1	WL	3	988	ON	3RS ET	22.2446	113.8493	AUTUMN	NONE	S
22-Nov-19	4	1145	CWD	3	WL	3	175	ON	3RS ET	22.2377	113.8275	AUTUMN	NONE	S
22-Nov-19	5	1216	CWD	1	WL	3	112	ON	3RS ET	22.2258	113.8375	AUTUMN	NONE	S
22-Nov-19	6	1329	CWD	2	SWL	2	N/A	OFF	3RS ET	22.1948	113.8524	AUTUMN	NONE	N/A
29-Nov-19	1	1321	FP	3	SWL	3	294	ON	3RS ET	22.1638	113.8972	AUTUMN	NONE	P
9-Dec-19	1	1101	CWD	2	WL	3	438	ON	3RS ET	22.2569	113.8371	WINTER	NONE	S
10-Dec-19	1	1114	FP	2	SWL	3	76	ON	3RS ET	22.1592	113.9281	WINTER	NONE	P
10-Dec-19	2	1450	CWD	1	SWL	2	216	ON	3RS ET	22.1958	113.8589	WINTER	GILLNETTER	P
10-Dec-19	3	1526	CWD	3	SWL	2	182	ON	3RS ET	22.1885	113.8492	WINTER	NONE	P
16-Dec-19	1	1033	CWD	1	NWL	3	107	ON	3RS ET	22.3041	113.8700	WINTER	NONE	P
16-Dec-19	2	1213	CWD	2	NWL	2	219	ON	3RS ET	22.3934	113.8876	WINTER	NONE	P
16-Dec-19	3	1227	CWD	3	NWL	2	301	ON	3RS ET	22.3882	113.8871	WINTER	NONE	P
17-Dec-19	1	1132	FP	1	SWL	2	187	ON	3RS ET	22.1704	113.8785	WINTER	NONE	P
17-Dec-19	2	1336	FP	2	SWL	2	199	ON	3RS ET	22.1451	113.9083	WINTER	NONE	P
17-Dec-19	3	1435	FP	2	SWL	2	472	ON	3RS ET	22.1677	113.9269	WINTER	NONE	P
18-Dec-19	1	0954	CWD	2	WL	1	4	ON	3RS ET	22.3045	113.8613	WINTER	NONE	P
18-Dec-19	2	1036	CWD	5	WL	2	107	ON	3RS ET	22.2605	113.8468	WINTER	NONE	P
18-Dec-19	3	1104	CWD	8	WL	1	18	ON	3RS ET	22.2538	113.8347	WINTER	NONE	S
18-Dec-19	4	1153	CWD	1	WL	2	40	ON	3RS ET	22.2232	113.8349	WINTER	NONE	P
18-Dec-19	5	1212	CWD	2	WL	2	5	ON	3RS ET	22.2182	113.8196	WINTER	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 429.821 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 11 on-effort sightings and total number of 30 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in December 2019 are shown as below:

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

$$STG = \frac{11}{429.821} \times 100 = 2.56$$

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

$$ANI = \frac{30}{429.821} \times 100 = 6.98$$

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

A total of 1319.606 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 37 on-effort sightings and total number of 108 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)









$$STG = \frac{37}{1319.606} \times 100 = 2.80$$

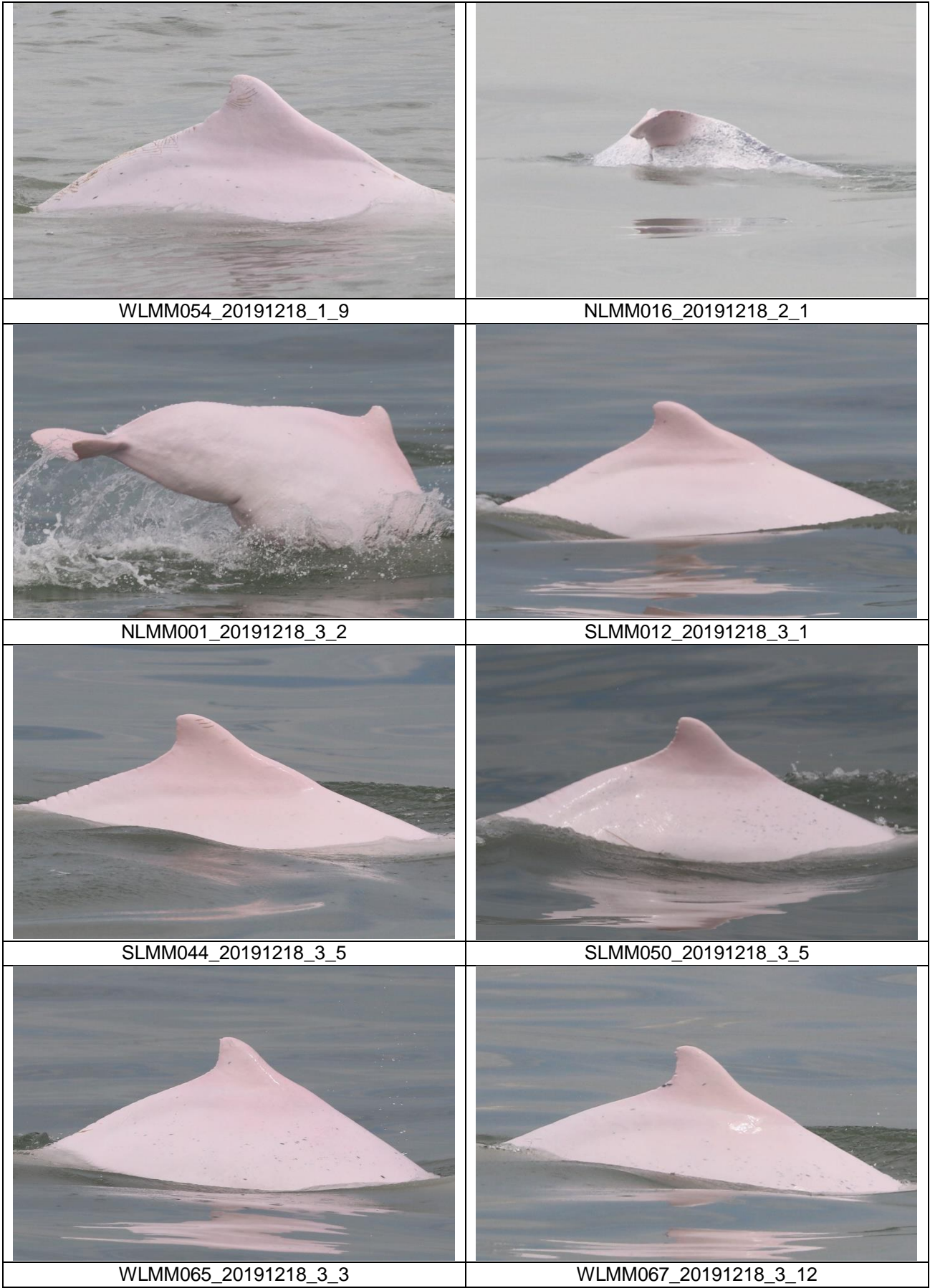
Running Quarterly Encounter Rate by Number of Dolphins (ANI)




$$ANI = \frac{108}{1319.606} \times 100 = 8.18$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
SLMM010_20191210_2_5	WLMM003_20191210_3_2
	
NLMM006_20191216_2_7	NLMM013_20191216_2_3
	
NLMM004_20191216_3_4	NLMM063_20191216_3_3
	
NLMM072_20191216_3_1	WLMM027_20191218_1_5



	
<p>SLMM014_20191218_4_1</p>	<p>WLMM007_20191218_5_3</p>
	
<p>WLMM008_20191218_5_4</p>	

CWD Land-based Theodolite Tracking Survey

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
11/Dec/19	Lung Kwu Chau	9:10	15:10	6:00	2-3	3	1	1
18/Dec/19	Lung Kwu Chau	9:00	15:00	6:00	1-2	2	2	1-5
30/Dec/19	Sha Chau	9:02	15:02	6:00	2-3	4	0	0

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