Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

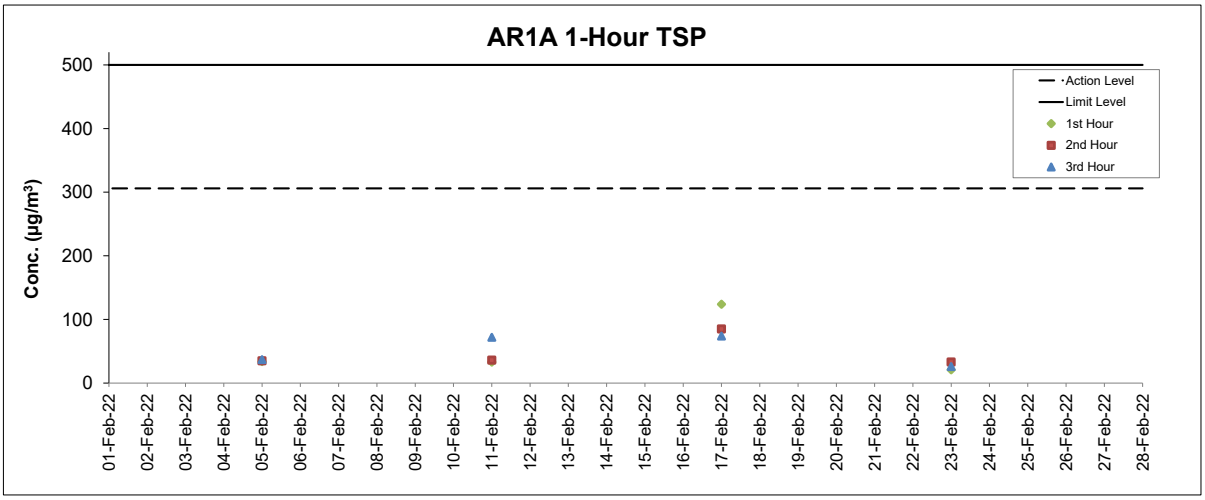
Station: AR1A- Man Tung Road Park

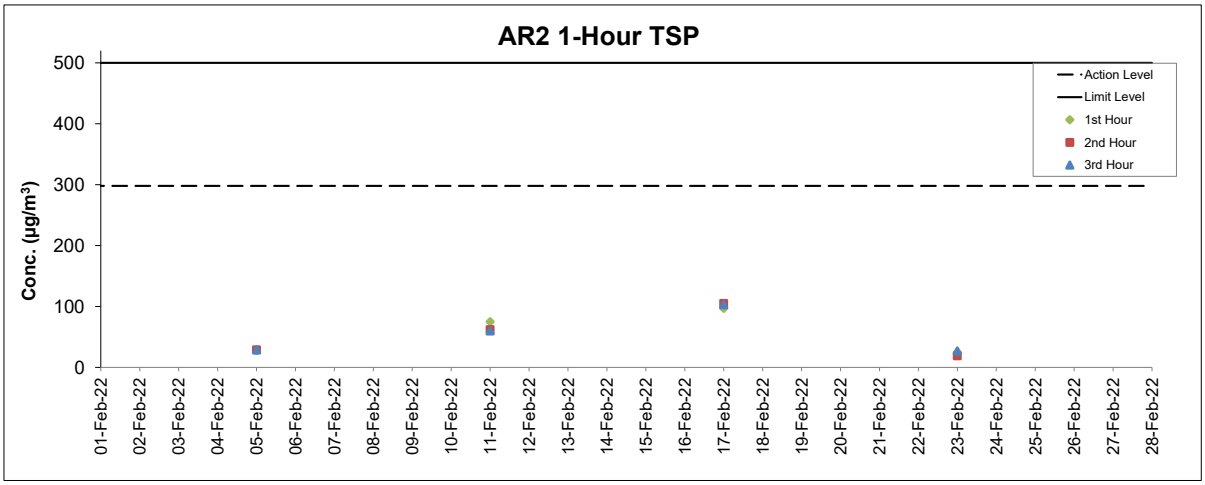
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
05-Feb-22	12:41	Fine	4.2	329	34	306	500
05-Feb-22	13:41	Fine	4.4	339	35	306	500
05-Feb-22	14:41	Fine	5.8	323	37	306	500
11-Feb-22	8:55	Sunny	6.4	80	33	306	500
11-Feb-22	9:55	Sunny	4.4	68	36	306	500
11-Feb-22	10:55	Sunny	4.7	336	72	306	500
17-Feb-22	12:15	Drizzle	8.9	88	124	306	500
17-Feb-22	13:15	Drizzle	9.4	89	85	306	500
17-Feb-22	14:15	Drizzle	9.2	74	74	306	500
23-Feb-22	12:35	Overcast	5.0	336	21	306	500
23-Feb-22	13:35	Overcast	5.0	352	33	306	500
23-Feb-22	14:35	Overcast	4.2	352	26	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
05-Feb-22	8:18	Fine	2.8	41	28	298	500
05-Feb-22	9:18	Fine	3.6	42	29	298	500
05-Feb-22	10:18	Fine	2.2	349	29	298	500
11-Feb-22	13:36	Sunny	2.5	307	75	298	500
11-Feb-22	14:36	Sunny	2.8	301	62	298	500
11-Feb-22	15:36	Sunny	2.5	263	60	298	500
17-Feb-22	8:30	Drizzle	7.2	92	97	298	500
17-Feb-22	9:30	Drizzle	5.8	84	105	298	500
17-Feb-22	10:30	Drizzle	10.8	104	103	298	500
23-Feb-22	8:36	Overcast	2.5	37	25	298	500
23-Feb-22	9:36	Overcast	3.3	6	19	298	500
23-Feb-22	10:36	Overcast	3.3	352	27	298	500





Notes

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

Noise Monitoring Results

Noise Measurement Results
Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
11-Feb-22	Sunny	11:11	55.8	50.1	57
11-Feb-22	Sunny	11:16	56.2	50.3	
11-Feb-22	Sunny	11:21	58.2	50.6	
11-Feb-22	Sunny	11:26	56.9	50.4	
11-Feb-22	Sunny	11:31	55.6	48.9	
11-Feb-22	Sunny	11:36	55.8	49.4	
17-Feb-22	Drizzle	12:16	63.7	53.1	61
17-Feb-22	Drizzle	12:21	59.6	52.3	
17-Feb-22	Drizzle	12:26	59.9	53.3	
17-Feb-22	Drizzle	12:31	61.4	53.0	
17-Feb-22	Drizzle	12:36	58.0	52.1	
17-Feb-22	Drizzle	12:41	58.8	52.0	
23-Feb-22	Overcast	12:28	55.6	50.6	58
23-Feb-22	Overcast	12:33	58.3	51.8	
23-Feb-22	Overcast	12:38	56.6	50.1	
23-Feb-22	Overcast	12:43	59.2	51.1	
23-Feb-22	Overcast	12:48	60.2	51.4	
23-Feb-22	Overcast	12:53	58.4	52.1	

Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

Noise Measurement Results
Station: NM4- Ching Chung Hau Po Woon Primary School

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
04-Feb-22	Sunny	13:47	58.7	53.3	60
04-Feb-22	Sunny	13:52	58.5	53.8	
04-Feb-22	Sunny	13:57	58.3	53.5	
04-Feb-22	Sunny	14:02	58.9	53.8	
04-Feb-22	Sunny	14:07	58.9	53.5	
04-Feb-22	Sunny	14:12	60.1	53.5	
09-Feb-22	Overcast	13:40	58.7	53.6	60
09-Feb-22	Overcast	13:45	58.8	52.9	
09-Feb-22	Overcast	13:50	59.3	52.8	
09-Feb-22	Overcast	13:55	60.3	54.1	
09-Feb-22	Overcast	14:00	59.2	54.0	
09-Feb-22	Overcast	14:05	58.6	54.2	
16-Feb-22	Fine	13:29	59.7	54.5	62
16-Feb-22	Fine	13:34	60.8	56.1	
16-Feb-22	Fine	13:39	60.4	56.2	
16-Feb-22	Fine	13:44	59.6	56.4	
16-Feb-22	Fine	13:49	61.1	57.2	
16-Feb-22	Fine	13:54	62.5	57.3	
22-Feb-22	Overcast	08:38	60.8	55.1	62
22-Feb-22	Overcast	08:43	62.6	55.8	
22-Feb-22	Overcast	08:48	61.1	56.1	
22-Feb-22	Overcast	08:53	60.6	56.4	
22-Feb-22	Overcast	08:58	62.0	55.2	
22-Feb-22	Overcast	09:03	60.7	53.1	

Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.

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

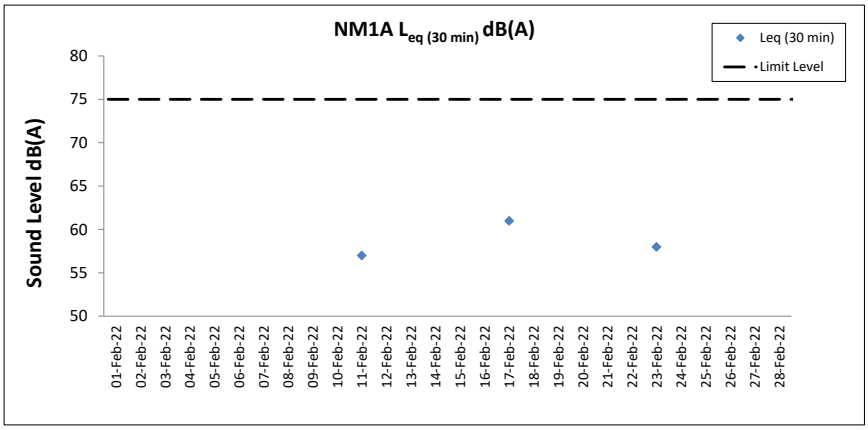
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
11-Feb-22	Sunny	14:41	60.6	45.9	53*
11-Feb-22	Sunny	14:46	53.2	46.5	
11-Feb-22	Sunny	14:51	50.2	45.2	
11-Feb-22	Sunny	14:56	50.3	44.5	
11-Feb-22	Sunny	15:01	48.6	44.6	
11-Feb-22	Sunny	15:06	51.1	45.6	
17-Feb-22	Drizzle	08:34	61.0	53.3	58
17-Feb-22	Drizzle	08:39	54.9	49.5	
17-Feb-22	Drizzle	08:44	57.4	50.3	
17-Feb-22	Drizzle	08:49	54.0	49.8	
17-Feb-22	Drizzle	08:54	54.9	51.6	
17-Feb-22	Drizzle	08:59	53.8	50.8	
23-Feb-22	Overcast	09:48	54.0	48.6	56
23-Feb-22	Overcast	09:53	55.8	48.9	
23-Feb-22	Overcast	09:58	53.1	49.2	
23-Feb-22	Overcast	10:03	51.7	49.5	
23-Feb-22	Overcast	10:08	53.2	49.8	
23-Feb-22	Overcast	10:13	59.2	49.3	

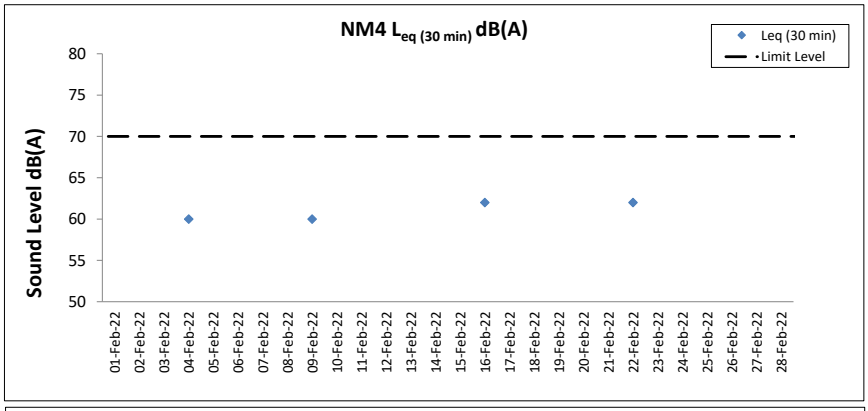
Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.
(*) The measurement result was corrected with reference to the baseline monitoring levels.

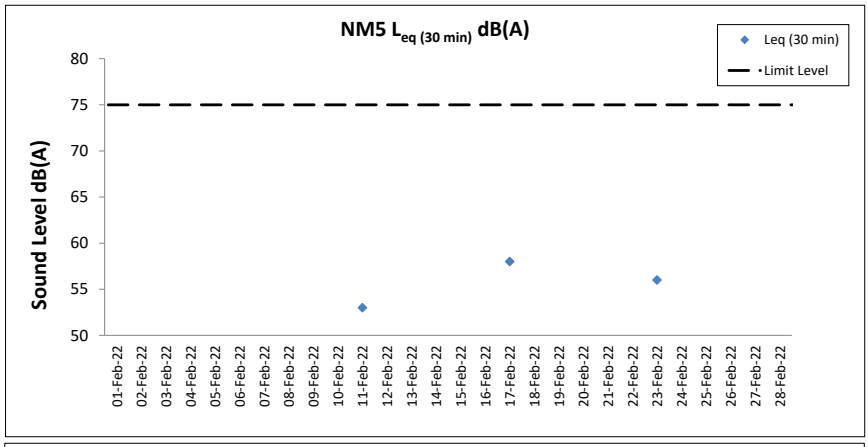
Noise Measurement Results
Station: NM6- House No.1 Sha Lo Wan

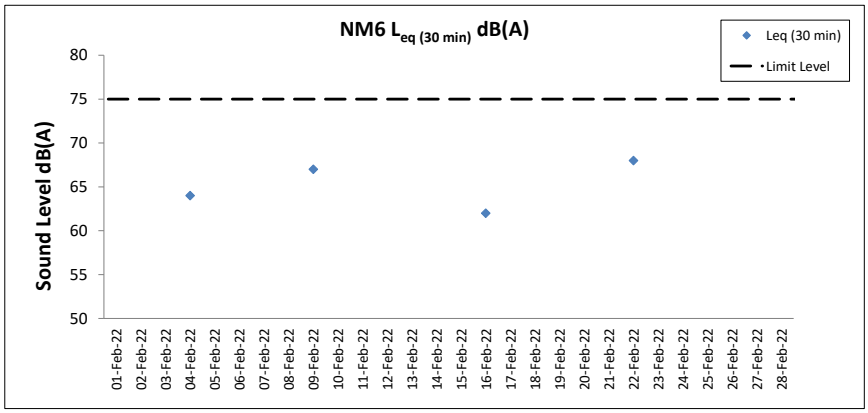
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A) ^
04-Feb-22	Sunny	15:37	60.1	44.5	64
04-Feb-22	Sunny	15:42	58.5	45.2	
04-Feb-22	Sunny	15:47	49.6	45.8	
04-Feb-22	Sunny	15:52	57.4	46.6	
04-Feb-22	Sunny	15:57	68.2	50.2	
04-Feb-22	Sunny	16:02	59.3	46.6	
09-Feb-22	Overcast	15:40	59.2	50.3	67
09-Feb-22	Overcast	15:45	70.0	51.4	
09-Feb-22	Overcast	15:50	62.3	48.9	
09-Feb-22	Overcast	15:55	54.3	49.9	
09-Feb-22	Overcast	16:00	54.4	49.4	
09-Feb-22	Overcast	16:05	52.4	48.2	
16-Feb-22	Fine	15:38	64.9	48.9	62
16-Feb-22	Fine	15:43	64.1	50.6	
16-Feb-22	Fine	15:48	60.7	51.1	
16-Feb-22	Fine	15:53	59.0	42.7	
16-Feb-22	Fine	15:58	48.1	41.8	
16-Feb-22	Fine	16:03	63.5	46.0	
22-Feb-22	Overcast	09:40	72.0	57.4	68*
22-Feb-22	Overcast	09:45	70.5	53.4	
22-Feb-22	Overcast	09:50	57.7	51.3	
22-Feb-22	Overcast	09:55	69.0	54.9	
22-Feb-22	Overcast	10:00	71.0	53.9	
22-Feb-22	Overcast	10:05	67.4	51.9	

Remarks:
(^) +3dB (A) correction in Leq(30mins) dB(A) was applied to free-field measurement.
(*) The measurement result was corrected with reference to the baseline monitoring levels.









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 04 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:57	8.5	Surface	1.0	0.2	202	16.3	16.3	8.1	8.1	31.6	31.6	100.3	100.2	8.2	8.0	8.8	9.5	5	8	47	49	815598	804261	<0.2	<0.2	0.8	0.7
						1.0	0.2	197	16.2		8.1		31.6		100.1		8.2		8.7		4		46				<0.2		0.7	
					Middle	4.3	0.2	219	16.1	16.2	8.1	8.1	32.0	32.0	95.8	95.9	7.8		9.7		9		50				<0.2		0.7	
						4.3	0.2	222	16.2		8.1		32.0		95.9		7.8		9.6		9		48				<0.2		0.8	
					Bottom	7.5	0.2	204	16.4	16.4	8.1	8.1	31.7	31.7	97.2	97.3	7.9	7.9	10.1		9		52				<0.2		0.6	
						7.5	0.3	199	16.4		8.1		31.6		97.4		7.9		10.2		9		52				<0.2		0.7	
C2	Cloudy	Moderate	13:51	11.9	Surface	1.0	0.0	6	16.7	16.7	8.0	8.0	29.3	29.3	100.4	100.4	8.2	8.0	3.7	4.4	9	8	47	50	825660	806937	<0.2	<0.2	0.7	0.7
						1.0	0.0	3	16.7		8.0		29.3		100.3		8.2		3.7		10		47				<0.2		0.7	
					Middle	6.0	0.1	17	16.6	16.6	8.0	8.0	31.6	31.5	95.6	95.7	7.7		4.2		7		49				<0.2		0.6	
						6.0	0.1	11	16.6		8.0		31.5		95.7		7.7		4.2		8		50				<0.2		0.7	
					Bottom	10.9	0.0	0	16.7	16.7	8.0	8.0	31.4	31.3	97.3	97.6	7.9	7.9	5.4		8		52				<0.2		0.8	
						10.9	0.0	358	16.7		8.0		31.3		97.8		7.9		5.4		7		53				<0.2		0.7	
C3	Cloudy	Moderate	15:03	11.8	Surface	1.0	0.3	98	16.7	16.7	8.0	8.0	32.8	32.8	102.2	102.2	8.1	8.0	4.3	6.2	10	9	47	49	822127	817812	<0.2	<0.2	0.7	0.7
						1.0	0.3	92	16.7		8.0		32.8		102.2		8.1		4.3		9		47				<0.2		0.6	
					Middle	5.9	0.4	70	16.6	16.6	8.0	8.0	33.2	33.2	97.4	97.4	7.8		6.0		10		48				<0.2		0.7	
						5.9	0.3	77	16.6		8.0		33.2		97.4		7.8		6.2		9		49				<0.2		0.7	
					Bottom	10.8	0.3	90	16.5	16.5	8.0	8.0	33.2	33.2	98.0	98.0	7.8	7.8	8.0		9		51				<0.2		0.6	
						10.8	0.3	85	16.5		8.0		33.2		98.1		7.8		8.3		9		52				<0.2		0.7	
IM1	Cloudy	Moderate	14:38	6.9	Surface	1.0	0.0	168	16.5	16.5	8.1	8.1	31.5	31.5	98.5	98.5	8.0	8.0	7.0	7.8	4	3	47	48	818337	806452	<0.2	<0.2	0.7	0.7
						1.0	0.1	163	16.5		8.1		31.6		98.4		8.0		7.1		3		46				<0.2		0.7	
					Middle	3.5	0.1	179	16.3	16.3	8.1	8.1	31.7	31.7	97.6	97.6	7.9		7.7		3		49				<0.2		0.7	
						3.5	0.1	179	16.3		8.1		31.7		97.5		7.9		7.8		2		48				<0.2		0.6	
					Bottom	5.9	0.1	195	16.5	16.5	8.0	8.0	31.5	31.5	96.8	96.8	7.8	7.8	8.7		2		50				<0.2		0.6	
						5.9	0.1	194	16.5		8.0		31.5		96.7		7.8		8.7		2		50				<0.2		0.6	
IM2	Cloudy	Moderate	14:33	6.8	Surface	1.0	0.1	76	16.4	16.4	8.1	8.1	31.5	31.5	98.6	98.5	8.0	8.0	8.0	9.0	5	4	48	49	819181	806256	<0.2	<0.2	0.6	0.7
						1.0	0.1	81	16.4		8.1		31.5		98.4		8.0		8.0		4		46				<0.2		0.8	
					Middle	3.4	0.1	62	16.3	16.3	8.1	8.1	31.6	31.6	97.7	97.8	7.9		9.1		4		50				<0.2		0.9	
						3.4	0.1	60	16.3		8.1		31.6		97.9		8.0		9.3		4		49				<0.2		0.8	
					Bottom	5.8	0.1	60	16.6	16.7	8.1	8.1	31.4	31.4	99.6	99.7	8.1	8.1	9.9		4		51				<0.2		0.7	
						5.8	0.2	62	16.7		8.1		31.4		99.8		8.1		9.8		3		52				<0.2		0.6	
IM7	Cloudy	Moderate	14:15	8.5	Surface	1.0	0.2	66	16.6	16.6	8.1	8.1	30.7	30.7	102.1	102.1	8.3	8.3	4.3	4.9	4	3	46	49	821366	806846	<0.2	<0.2	0.6	0.6
						1.0	0.2	65	16.6		8.1		30.7		102.0		8.3		4.3		3		47				<0.2		0.6	
					Middle	4.3	0.2	58	16.5	16.5	8.1	8.1	31.1	31.1	100.6	100.6	8.2		4.7		3		49				<0.2		0.7	
						4.3	0.3	58	16.5		8.1		31.2		100.5		8.2		4.6		3		47				<0.2		0.5	
					Bottom	7.5	0.2	47	16.8	16.8	8.0	8.0	31.0	31.0	99.8	99.9	8.1	8.1	5.8		2		51				<0.2		0.7	
						7.5	0.2	41	16.8		8.0		31.0		100.0		8.1		5.8		3		52				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 February 22 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		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
IM10	Cloudy	Moderate	13:51	7.3	Surface	1.0	0.1	64	16.7	16.7	8.1	8.1	31.8	31.8	99.2	99.1	8.0	8.0	7.7	8.2	8	8	47	48	822225	809832	<0.2	<0.2	0.6	0.7
						1.0	0.1	58	16.7		8.1		31.8		99.1		8.0		7.7		7		47				<0.2		0.7	
					Middle	3.7	0.1	40	16.6	16.6	8.1	8.1	32.2	32.2	98.5	98.6	7.9		8.3		8		47				<0.2		0.6	
						3.7	0.2	41	16.6		8.1		32.2		98.7		7.9		8.3		8		48				<0.2		0.6	
					Bottom	6.3	0.1	73	16.6	16.6	8.1	8.1	32.2	32.2	99.3	99.4	8.0	8.0	8.5		8		51				<0.2		0.7	
						6.3	0.2	69	16.6		8.1		32.2		99.5		8.0		8.5		8		48				<0.2		0.7	
IM11	Cloudy	Moderate	13:57	8.1	Surface	1.0	0.1	69	16.8	16.8	8.0	8.0	31.5	31.5	98.3	98.2	7.9	7.9	7.3	7.7	8	5	47	49	821497	810538	<0.2	<0.2	0.8	0.7
						1.0	0.1	65	16.8		8.0		31.6		98.1		7.9		7.4		8		48				<0.2		0.7	
					Middle	4.1	0.2	79	16.7	16.7	8.0	8.0	31.9	31.9	97.4	97.4	7.8		7.8		4		49				<0.2		0.7	
						4.1	0.2	74	16.7		8.0		32.0		97.4		7.8		7.8		3		49				<0.2		0.8	
					Bottom	7.1	0.1	58	16.7	16.7	8.0	8.0	32.1	32.1	98.9	99.1	7.9	8.0	7.9		2		51				<0.2		0.6	
						7.1	0.1	52	16.7		8.0		32.1		99.4		8.0		8.0		2		52				<0.2		0.6	
IM12	Cloudy	Moderate	14:04	8.8	Surface	1.0	0.2	82	16.9	16.9	8.0	8.0	31.5	31.5	98.3	98.2	7.9	7.9	4.5	6.1	3	2	47	50	821184	811507	<0.2	<0.2	0.8	0.7
						1.0	0.2	88	16.8		8.0		31.6		98.1		7.9		4.5		2		47				<0.2		0.7	
					Middle	4.4	0.2	72	16.7	16.7	8.0	8.0	32.2	32.3	97.7	97.7	7.8		5.1		3		49				<0.2		0.6	
						4.4	0.2	72	16.7		8.0		32.3		97.8		7.8		5.2		2		50				<0.2		0.7	
					Bottom	7.8	0.1	87	16.7	16.7	8.0	8.0	32.4	32.4	98.6	98.7	7.9	7.9	8.5		2		52				<0.2		0.6	
						7.8	0.1	89	16.7		8.0		32.4		98.8		7.9		9.0		2		53				<0.2		0.6	
SR1A	Cloudy	Moderate	14:30	5.6	Surface	1.0	0.0	23	16.8	16.8	8.0	8.0	32.5	32.5	100.8	100.9	8.0	8.1	4.8	4.8	3	3	-	-	819981	812653	-	-	-	-
						1.0	0.0	25	16.8		8.0		32.5		101.1		8.1		4.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.0	42	16.8	16.8	8.0	8.0	32.5	32.5	101.6	101.7	8.1	8.1	4.8		4		-				-		-	
						4.6	0.1	40	16.8		8.0		32.5		101.8		8.1		4.7		3		-				-		-	
SR2	Cloudy	Moderate	14:43	4.4	Surface	1.0	0.2	47	16.8	16.8	8.0	8.0	32.2	32.2	101.1	101.1	8.1	8.1	4.8	5.1	5	3	49	50	821470	814179	<0.2	<0.2	0.6	0.7
						1.0	0.2	44	16.8		8.0		32.2		101.2		8.1		4.9		4		48				<0.2		0.7	
					Middle	-	0.2	48	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.2	46	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	80	16.8	16.8	8.0	8.0	32.2	32.2	102.1	102.1	8.2	8.2	5.4		<2		51				<0.2		0.9	
						3.4	0.2	72	16.8		8.0		32.2		102.2		8.2		5.4		<2		52				<0.2		0.7	
SR3	Cloudy	Moderate	14:08	8.7	Surface	1.0	0.1	62	16.6	16.6	8.1	8.1	30.5	30.5	98.8	98.7	8.0	8.0	4.4	5.3	<2	3	-	-	822150	807572	-	-	-	-
						1.0	0.1	64	16.6		8.1		30.6		98.5		8.0		4.4		<2		-				-		-	
					Middle	4.4	0.1	71	16.5	16.5	8.1	8.1	31.0	31.0	98.2	98.2	8.0		5.2		2		-				-		-	
						4.4	0.0	71	16.5		8.1		31.0		98.2		8.0		5.3		3		-				-		-	
					Bottom	7.7	0.1	84	16.7	16.8	8.0	8.0	30.9	30.9	98.3	98.3	8.0	8.0	6.3		3		-				-		-	
						7.7	0.2	79	16.8		8.0		30.8		98.3		8.0		6.3		4		-				-		-	
SR4A	Cloudy	Moderate	15:17	8.9	Surface	1.0	0.0	84	16.3	16.3	8.1	8.1	31.5	31.5	99.4	99.4	8.1	8.1	5.7	7.1	4	4	-	-	817202	807804	-	-	-	-
						1.0	0.0	80	16.3		8.1		31.5		99.4		8.1		5.8		3		-				-		-	
					Middle	4.5	0.0	71	16.3	16.3	8.1	8.1	31.6	31.6	100.0	100.1	8.1		7.5		4		-				-		-	
						4.5	0.1	66	16.3		8.1		31.6		100.2		8.1		7.5		5		-				-		-	
					Bottom	7.9	0.0	64	16.4	16.4	8.1	8.1	31.6	31.6	100.4	100.5	8.1	8.2	7.9		4		-				-		-	
						7.9	0.0	67	16.4		8.1		31.5		100.5		8.2		7.9		5		-				-		-	
SR8	Cloudy	Moderate	14:10	4.1	Surface	1.0	-	-	17.1	17.1	8.1	8.1	32.1	32.1	102.0	101.9	8.1	8.1	4.6	4.7	4	3	-	-	820369	811609	-	-	-	-
						1.0	-	-	17.1		8.1		32.1		101.9		8.1		4.6		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	16.9	16.9	8.1	8.1	32.3	32.3	102.2	102.2	8.1	8.2	4.7		2		-				-		-	
						3.1	-	-	16.9		8.1		32.3		102.3		8.2		4.8		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	10:05	8.5	Surface	1.0	0.4	47	17.1	17.1	8.1	8.1	31.7	31.7	94.5	94.4	7.6	7.6	5.2	5.9	10	9	46	48	815610	804270	<0.2	<0.2	0.6	0.6
						1.0	0.4	44	17.0		8.1		31.7		94.3		7.6		5.2		9		46				<0.2		0.7	
					Middle	4.3	0.4	19	17.0	17.0	8.1	8.1	32.0	32.0	94.8	95.0	7.6		5.6		9		47				<0.2		0.6	
						4.3	0.3	18	17.0		8.1		32.0		95.1		7.6		5.5		10		48				<0.2		0.7	
					Bottom	7.5	0.4	47	16.8	16.8	8.0	8.0	32.2	32.2	95.6	95.7	7.7	7.7	7.0		7		51				<0.2		0.6	
						7.5	0.5	48	16.7		8.0		32.2		95.7		7.7		7.0		6		51				<0.2		0.6	
C2	Cloudy	Moderate	11:19	11.7	Surface	1.0	0.4	347	17.5	17.5	8.0	8.0	31.4	31.4	96.0	96.0	7.6	7.6	4.3	5.4	12	10	47	48	825658	806960	<0.2	<0.2	0.7	0.7
						1.0	0.4	353	17.5		8.0		31.4		95.9		7.6		4.3		13		46				<0.2		0.7	
					Middle	5.9	0.5	338	17.6	17.7	8.0	8.0	31.4	31.4	96.2	96.3	7.6		5.3		5		48				<0.2		0.7	
						5.9	0.4	344	17.7		8.0		31.4		96.3		7.6		5.3		12		47				<0.2		0.7	
					Bottom	10.7	0.4	338	17.8	17.8	8.0	8.0	31.3	31.3	97.2	97.6	7.7	7.8	6.6		6		50				<0.2		0.7	
						10.7	0.4	339	17.8		8.0		31.3		98.0		7.8		6.6		12		51				<0.2		0.6	
C3	Cloudy	Moderate	09:53	11.2	Surface	1.0	0.4	272	17.1	17.1	8.0	8.0	31.9	31.9	94.3	94.3	7.5	7.5	7.2	7.7	7	13	48	50	822116	817815	<0.2	<0.2	0.7	0.7
						1.0	0.5	279	17.1		8.0		31.9		94.3		7.5		7.2		13		49				<0.2		0.8	
					Middle	5.6	0.5	268	17.1	17.1	8.0	8.0	31.9	31.9	94.1	94.1	7.5		7.3		13		50				<0.2		0.7	
						5.6	0.5	262	17.1		8.0		31.9		94.1		7.5		7.3		14		50				<0.2		0.6	
					Bottom	10.2	0.5	274	17.1	17.1	8.0	8.0	31.9	31.9	93.2	93.3	7.4	7.4	8.6		15		51				<0.2		0.6	
						10.2	0.5	280	17.1		8.0		32.0		93.3		7.4		8.6		14		51				<0.2		0.6	
IM1	Cloudy	Moderate	10:24	6.5	Surface	1.0	0.2	23	17.2	17.2	8.1	8.1	31.6	31.6	94.1	94.1	7.5	7.5	6.9	7.2	13	12	45	48	818354	806454	<0.2	<0.2	0.6	0.6
						1.0	0.3	16	17.2		8.1		31.6		94.0		7.5		6.9		12		46				<0.2		0.7	
					Middle	3.3	0.2	25	17.2	17.2	8.1	8.1	31.7	31.7	93.5	93.5	7.5		7.9		11		48				<0.2		0.6	
						3.3	0.3	25	17.2		8.1		31.7		93.5		7.5		7.9		12		47				<0.2		0.6	
					Bottom	5.5	0.3	354	17.1	17.1	8.1	8.1	31.8	31.8	93.4	93.3	7.5	7.5	6.7		10		51				<0.2		0.7	
						5.5	0.4	351	17.1		8.1		31.8		93.2		7.5		6.7		11		51				<0.2		0.6	
IM2	Cloudy	Moderate	10:31	7.4	Surface	1.0	0.3	25	17.3	17.3	8.1	8.1	31.4	31.4	94.1	94.1	7.5	7.5	4.8	4.8	10	12	46	48	819168	806214	<0.2	<0.2	0.6	0.7
						1.0	0.3	23	17.3		8.1		31.4		94.0		7.5		4.8		11		46				<0.2		0.6	
					Middle	3.7	0.3	357	17.3	17.3	8.1	8.1	31.5	31.5	94.1	94.2	7.5		4.0		13		49				<0.2		0.8	
						3.7	0.3	353	17.3		8.1		31.5		94.3		7.5		4.0		12		47				<0.2		0.7	
					Bottom	6.4	0.3	41	17.2	17.2	8.1	8.1	31.5	31.6	96.0	96.1	7.7	7.7	5.5		13		51				<0.2		0.6	
						6.4	0.2	46	17.2		8.1		31.6		96.2		7.7		5.5		12		50				<0.2		0.7	
IM7	Cloudy	Moderate	10:52	8.3	Surface	1.0	0.3	21	17.5	17.5	8.1	8.1	30.7	30.7	97.3	97.2	7.8	7.8	5.0	6.2	6	9	47	49	821334	806819	<0.2	<0.2	0.8	0.6
						1.0	0.3	20	17.4		8.1		30.8		97.1		7.8		5.0		6		46				<0.2		0.6	
					Middle	4.2	0.3	13	17.3	17.3	8.1	8.1	31.3	31.3	96.1	96.1	7.7		6.2		6		49				<0.2		0.6	
						4.2	0.3	11	17.3		8.1		31.3		96.1		7.7		6.2		12		48				<0.2		0.6	
					Bottom	7.3	0.3	33	17.3	17.3	8.1	8.1	31.4	31.3	96.4	96.5	7.7	7.7	7.4		11		51				<0.2		0.6	
						7.3	0.3	36	17.3		8.1		31.3		96.6		7.7		7.5		12		51				<0.2		0.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 February 22 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		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
IM10	Cloudy	Moderate	11:11	7.2	Surface	1.0	0.3	309	17.3	17.3	8.1	8.1	30.9	30.9	100.9	100.9	8.1	8.1	8.1	8.9	13	14	45	48	822242	809842	<0.2	<0.2	0.7	0.7
						1.0	0.3	305	17.2		8.1		31.0		100.8		8.1		8.3		14		46				<0.2		0.7	
					Middle	3.6	0.3	309	17.2	17.2	8.1	8.1	31.2	31.2	101.0	101.0	8.1		9.0		14		48				<0.2		0.6	
						3.6	0.3	304	17.2		8.1		31.2		101.0		8.1		9.0		13		48				<0.2		0.6	
					Bottom	6.2	0.3	279	17.2	17.2	8.1	8.1	31.2	31.2	102.2	102.2	8.2	8.2	9.3		14		51				<0.2		0.6	
						6.2	0.3	273	17.2		8.1		31.2		102.2		8.2		9.3		15		51				<0.2		0.8	
IM11	Cloudy	Moderate	11:01	7.8	Surface	1.0	0.4	272	17.3	17.3	8.1	8.1	31.2	31.2	99.2	99.2	7.9	7.9	7.4	7.4	12	15	46	48	821498	810566	<0.2	<0.2	0.8	0.7
						1.0	0.4	273	17.3		8.1		31.2		99.2		7.9		7.5		13		46				<0.2		0.7	
					Middle	3.9	0.4	286	17.2	17.2	8.1	8.1	31.5	31.5	99.5	99.5	7.9		7.2		13		48				<0.2		0.7	
						3.9	0.4	279	17.2		8.1		31.5		99.5		7.9		7.2		12		47				<0.2		0.6	
					Bottom	6.8	0.4	302	17.2	17.2	8.1	8.1	31.3	31.3	100.0	100.1	8.0	8.0	7.6		19		50				<0.2		0.7	
						6.8	0.3	297	17.2		8.1		31.3		100.1		8.0		7.7		18		50				<0.2		0.8	
IM12	Cloudy	Moderate	10:52	8.7	Surface	1.0	0.4	271	17.3	17.3	8.1	8.1	30.9	30.9	100.2	100.2	8.0	8.0	7.1	7.4	14	12	47	49	821156	811497	<0.2	<0.2	0.8	0.7
						1.0	0.4	272	17.2		8.1		30.9		100.1		8.0		7.1		13		46				<0.2		0.6	
					Middle	4.4	0.4	295	17.2	17.2	8.1	8.1	31.4	31.4	99.0	99.0	7.9		7.3		6		48				<0.2		0.7	
						4.4	0.4	294	17.2		8.1		31.4		98.9		7.9		7.3		13		49				<0.2		0.6	
					Bottom	7.7	0.4	297	17.2	17.2	8.1	8.1	31.5	31.5	99.1	99.2	7.9	7.9	7.9		12		52				<0.2		0.7	
						7.7	0.4	301	17.2		8.1		31.5		99.2		7.9		7.9		13		51				<0.2		0.6	
SR1A	Cloudy	Moderate	10:31	5.4	Surface	1.0	0.0	218	17.3	17.3	8.1	8.1	31.4	31.4	99.2	99.2	7.9	7.9	7.7	7.8	5	5	-	-	819974	812654	-	-	-	-
						1.0	0.1	216	17.3		8.1		31.4		99.2		7.9		7.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	184	17.2	17.2	8.0	8.0	31.4	31.4	100.8	100.9	8.0	8.1	7.9		4		-				-		-	
						4.4	0.1	182	17.2		8.0		31.4		101.0		8.1		7.8		5		-				-		-	
SR2	Cloudy	Moderate	10:16	4.5	Surface	1.0	0.1	273	17.3	17.3	8.1	8.1	31.5	31.5	99.2	99.2	7.9	7.9	7.3	7.2	6	5	47	49	821481	814159	<0.2	<0.2	0.7	0.7
						1.0	0.1	275	17.3		8.1		31.5		99.2		7.9		7.3		5		49				<0.2		0.7	
					Middle	-	0.1	250	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	247	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	275	17.2	17.2	8.1	8.1	31.5	31.5	100.4	100.6	8.0	8.0	7.1		4		50				<0.2		0.7	
						3.5	0.1	277	17.2		8.1		31.5		100.7		8.0		7.1		4		51				<0.2		0.8	
SR3	Cloudy	Moderate	11:00	8.7	Surface	1.0	0.4	348	17.5	17.5	8.1	8.1	30.3	30.3	98.5	98.4	7.9	7.9	5.6	6.3	5	5	-	-	822169	807561	-	-	-	-
						1.0	0.3	347	17.5		8.1		30.4		98.3		7.9		5.7		6		-				-		-	
					Middle	4.4	0.3	334	17.4	17.4	8.1	8.1	30.9	30.9	97.7	97.7	7.8		6.1		6		-				-		-	
						4.4	0.4	335	17.4		8.1		31.0		97.7		7.8		6.1		5		-				-		-	
					Bottom	7.7	0.4	346	17.5	17.6	8.0	8.0	31.0	31.0	98.5	98.6	7.9	7.9	7.1		5		-				-		-	
						7.7	0.4	345	17.6		8.0		31.0		98.6		7.9		7.1		4		-				-		-	
SR4A	Cloudy	Moderate	09:46	9.2	Surface	1.0	0.0	204	17.2	17.2	8.0	8.0	31.6	31.6	94.2	94.2	7.5	7.5	3.2	4.1	6	8	-	-	817198	807811	-	-	-	-
						1.0	0.1	202	17.2		8.0		31.6		94.1		7.5		3.3		14		-				-		-	
					Middle	4.6	0.0	202	17.2	17.2	8.0	8.0	31.6	31.6	94.2	94.2	7.5		3.6		6		-				-		-	
						4.6	0.1	206	17.2		8.0		31.6		94.2		7.5		3.6		6		-				-		-	
					Bottom	8.2	0.0	194	17.2	17.2	8.0	8.0	31.6	31.6	95.4	95.5	7.6	7.6	5.5		6		-				-		-	
						8.2	0.0	197	17.2		8.0		31.6		95.5		7.6		5.4		7		-				-		-	
SR8	Cloudy	Moderate	10:45	4.1	Surface	1.0	-	-	17.3	17.3	8.1	8.1	31.4	31.4	100.1	100.1	8.0	8.0	7.2	7.7	5	7	-	-	820373	811636	-	-	-	-
						1.0	-	-	17.3		8.1		31.4		100.1		8.0		7.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	17.3	17.3	8.2	8.2	31.3	31.3	101.2	101.3	8.1	8.1	8.1		5		-				-		-	
						3.1	-	-	17.3		8.2		31.3		101.4		8.1		8.1		13		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Rough	16:44	7.9	Surface	1.0	0.3	221	16.5	16.5	8.3	8.3	32.3	32.3	96.4	96.4	7.7	7.7	8.8	7.0	17	15	82	86	815604	804243	<0.2	<0.2	0.8	0.7
						1.0	0.3	221	16.5		8.3		32.3		96.4		7.7		8.9		17		82				<0.2		0.7	
					Middle	4.0	0.3	218	16.5	16.5	8.3	8.3	32.5	32.5	95.7	95.7	7.7		5.4		16		86				<0.2		0.7	
						4.0	0.2	213	16.5		8.3		32.5		95.7		7.7		5.4		15		86				<0.2		0.8	
					Bottom	6.9	0.3	217	16.5	16.5	8.3	8.3	32.6	32.6	94.9	94.9	7.6	7.6	6.9		13		90				<0.2		0.7	
						6.9	0.3	219	16.5		8.3		32.6		94.9		7.6		6.9		12		90				<0.2		0.6	
C2	Sunny	Rough	15:15	10.2	Surface	1.0	0.0	158	16.6	16.6	8.2	8.2	31.4	31.4	94.2	94.2	7.6	7.6	1.2	2.8	3	3	82	86	825702	806950	<0.2	<0.2	0.8	0.8
						1.0	0.0	150	16.6		8.2		31.4		94.1		7.6		1.2		2		82				<0.2		0.7	
					Middle	5.1	-	160	16.6	16.6	8.2	8.2	31.6	31.6	92.5	92.5	7.5		2.6		3		87				<0.2		1.0	
						5.1	-	160	16.6		8.2		31.6		92.5		7.5		2.6		3		87				<0.2		0.8	
					Bottom	9.2	0.0	165	16.6	16.6	8.2	8.2	31.6	31.6	92.5	92.5	7.5	7.5	4.5		3		90				<0.2		0.9	
						9.2	0.0	165	16.6		8.2		31.6		92.5		7.5		4.6		4		90				<0.2		0.8	
C3	Cloudy	Moderate	16:33	11.2	Surface	1.0	0.3	78	17.7	17.7	8.1	8.1	33.2	33.2	97.7	97.7	7.6	7.6	4.0	4.3	8	8	47	49	822096	817793	<0.2	<0.2	0.9	0.7
						1.0	0.3	74	17.7		8.1		33.2		97.7		7.6		4.0		8		47				<0.2		0.7	
					Middle	5.6	0.3	62	17.6	17.6	8.1	8.1	33.2	33.2	97.5	97.5	7.6		4.7		8		49				<0.2		0.7	
						5.6	0.3	67	17.6		8.1		33.2		97.5		7.6		4.6		8		48				<0.2		0.7	
					Bottom	10.2	0.3	78	17.6	17.6	8.1	8.1	33.2	33.2	98.0	98.0	7.7	7.7	4.4		9		51				<0.2		0.6	
						10.2	0.3	76	17.6		8.1		33.2		98.0		7.7		4.4		9		52				<0.2		0.8	
IM1	Sunny	Rough	16:19	7.3	Surface	1.0	0.1	178	16.4	16.4	8.2	8.2	32.3	32.3	95.4	95.4	7.7	7.7	7.8	8.7	12	14	83	85	818353	806468	<0.2	<0.2	0.9	0.9
						1.0	0.1	179	16.4		8.2		32.3		95.4		7.7		7.8		13		83				<0.2		1.0	
					Middle	3.7	0.2	197	16.3	16.3	8.2	8.2	32.3	32.3	95.1	95.1	7.7		8.2		15		86				<0.2		0.9	
						3.7	0.1	196	16.3		8.2		32.3		95.1		7.7		8.3		14		86				<0.2		0.8	
					Bottom	6.3	0.1	180	16.3	16.3	8.2	8.2	32.3	32.3	95.2	95.2	7.7	7.7	10.1		16		87				<0.2		0.9	
						6.3	0.1	179	16.3		8.2		32.3		95.2		7.7		10.1		15		87				<0.2		0.9	
IM2	Sunny	Rough	16:12	7.4	Surface	1.0	0.1	171	16.4	16.4	8.2	8.2	32.2	32.2	95.5	95.5	7.7	7.7	7.8	10.8	12	11	82	86	819179	806259	<0.2	<0.2	0.7	0.7
						1.0	0.1	169	16.4		8.2		32.2		95.5		7.7		7.8		12		83				<0.2		0.6	
					Middle	3.7	0.1	175	16.2	16.2	8.2	8.2	32.2	32.2	95.1	95.1	7.7		11.4		11		86				<0.2		0.7	
						3.7	0.1	177	16.2		8.2		32.2		95.1		7.7		11.5		11		86				<0.2		0.6	
					Bottom	6.4	0.1	154	16.2	16.2	8.2	8.2	32.2	32.2	95.5	95.5	7.7	7.7	13.1		8		90				<0.2		0.6	
						6.4	0.2	151	16.2		8.2		32.2		95.5		7.7		13.2		9		90				<0.2		0.7	
IM7	Sunny	Rough	15:50	7.9	Surface	1.0	0.2	92	16.6	16.6	8.2	8.2	31.7	31.7	93.3	93.3	7.5	7.5	2.0	3.4	4	4	83	87	821327	806815	<0.2	<0.2	0.8	0.8
						1.0	0.2	85	16.6		8.2		31.7		93.3		7.5		2.0		5		83				<0.2		0.8	
					Middle	4.0	0.1	93	16.5	16.5	8.2	8.2	32.0	32.0	93.0	93.1	7.5		2.8		4		88				<0.2		0.8	
						4.0	0.1	88	16.5		8.2		32.0		93.2		7.5		2.9		5		88				<0.2		0.7	
					Bottom	6.9	0.2	101	16.4	16.4	8.2	8.2	32.1	32.1	94.2	94.2	7.6	7.6	5.4		4		90				<0.2		0.9	
						6.9	0.2	102	16.4		8.2		32.1		94.2		7.6		5.4		4		90				<0.2		0.8	

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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 February 22 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		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
IM10	Cloudy	Moderate	15:15	7.4	Surface	1.0	0.2	91	17.2	17.2	8.2	8.2	32.8	32.8	102.4	102.4	8.1	8.2	7.6	9.9	9	11	86	87	822240	809861	<0.2	<0.2	0.7	0.7
						1.0	0.2	96	17.2		8.2		32.8		102.4		8.1		7.9		10		85				<0.2		0.7	
					Middle	3.7	0.1	74	17.1	17.1	8.2	8.2	32.8	32.8	103.2	103.3	8.2		10.8		11		87				<0.2		0.7	
						3.7	0.2	69	17.1		8.2		32.8		103.3		8.2		10.8		10		86				<0.2		0.6	
					Bottom	6.4	0.2	81	17.1	17.1	8.2	8.2	32.8	32.8	103.9	104.4	8.2	8.3	11.3		12		90				<0.2		0.8	
						6.4	0.2	87	17.1		8.2		32.8		104.9		8.3		11.2		11		89				<0.2		0.8	
IM11	Cloudy	Moderate	15:22	7.8	Surface	1.0	0.2	78	17.3	17.3	8.1	8.1	32.8	32.8	100.3	100.3	7.9	7.9	5.2	5.8	14	12	85	88	821504	810545	<0.2	<0.2	0.7	0.8
						1.0	0.2	72	17.3		8.1		32.8		100.3		7.9		5.3		14		86				<0.2		0.8	
					Middle	3.9	0.3	99	17.3	17.3	8.1	8.1	32.8	32.8	100.4	100.4	7.9		5.6		13		87				<0.2		0.7	
						3.9	0.3	105	17.3		8.1		32.8		100.4		7.9		5.7		13		87				<0.2		0.8	
					Bottom	6.8	0.2	73	17.3	17.3	8.1	8.1	32.8	32.8	101.5	101.7	8.0	8.0	6.6		8		90				<0.2		0.8	
						6.8	0.2	75	17.3		8.1		32.8		101.9		8.0		6.6		8		91				<0.2		0.7	
IM12	Cloudy	Moderate	15:30	8.3	Surface	1.0	0.3	102	17.3	17.3	8.1	8.1	32.7	32.7	100.5	100.5	7.9	7.9	4.9	5.6	6	8	86	88	821148	811524	<0.2	<0.2	0.7	0.7
						1.0	0.3	102	17.3		8.1		32.8		100.5		7.9		4.9		6		85				<0.2		0.6	
					Middle	4.2	0.3	110	17.2	17.2	8.1	8.1	32.7	32.7	100.3	100.3	7.9		5.4		8		87				<0.2		0.7	
						4.2	0.3	112	17.2		8.1		32.7		100.2		7.9		5.5		8		88				<0.2		0.6	
					Bottom	7.3	0.2	70	17.2	17.2	8.1	8.1	32.8	32.8	100.3	100.4	7.9	7.9	6.5		11		90				<0.2		0.6	
						7.3	0.2	76	17.2		8.1		32.8		100.4		7.9		6.5		11		89				<0.2		0.8	
SR1A	Cloudy	Moderate	15:57	5.6	Surface	1.0	0.0	48	17.3	17.3	8.1	8.1	32.6	32.6	100.0	100.0	7.9	7.9	3.6	3.7	8	8	-	-	819974	812661	-	-	-	-
						1.0	0.0	46	17.3		8.1		32.6		100.0		7.9		3.8		7		-				-		-	
					Middle	-	-	-	-	-		-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-				-		-		-		-		-		-				-		-	
					Bottom	4.6	0.0	49	17.2	17.2	8.1	8.1	32.6	32.6	100.2	100.3	7.9	7.9	3.6		9		-				-		-	
						4.6	0.1	53	17.2		8.1		32.6		100.3		7.9		3.8		8		-				-		-	
SR2	Cloudy	Moderate	16:11	4.3	Surface	1.0	0.2	71	17.3	17.3	8.1	8.1	32.7	32.7	102.0	102.1	8.0	8.1	5.2	5.3	8	9	87	88	821473	814153	<0.2	<0.2	0.8	0.8
						1.0	0.2	72	17.3		8.1		32.8		102.2		8.1		5.2		8		87				<0.2		0.8	
					Middle	-	0.2	74	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.2	71	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	57	17.3	17.3	8.1	8.1	32.7	32.7	103.3	103.4	8.2	8.2	5.4		9		89				<0.2		0.8	
						3.3	0.3	59	17.3		8.1		32.7		103.4		8.2		5.4		9		89				<0.2		0.8	
SR3	Sunny	Rough	15:42	8.8	Surface	1.0	0.1	123	16.6	16.6	8.2	8.2	31.5	31.5	93.7	93.7	7.6	7.5	1.3	2.1	3	4	-	-	822169	807585	-	-	-	-
						1.0	0.1	123	16.6		8.2		31.5		93.6		7.5		1.3		4		-				-		-	
					Middle	4.4	0.2	135	16.6	16.6	8.2	8.2	31.7	31.7	92.4	92.4	7.4		2.7		4		-				-		-	
						4.4	0.2	140	16.6		8.2		31.7		92.4		7.4		2.7		5		-				-		-	
					Bottom	7.8	0.2	107	16.6	16.6	8.2	8.2	31.8	31.8	92.5	92.5	7.4	7.4	2.4		5		-				-		-	
						7.8	0.2	113	16.6		8.2		31.8		92.5		7.4		2.5		5		-				-		-	
SR4A	Sunny	Moderate	17:12	9.1	Surface	1.0	0.0	77	16.4	16.4	8.2	8.2	32.3	32.3	96.3	96.3	7.8	7.8	5.6	6.6	6	5	-	-	817194	807802	-	-	-	-
						1.0	0.1	71	16.4		8.2		32.3		96.3		7.8		5.7		7		-				-		-	
					Middle	4.6	0.0	75	16.4	16.4	8.3	8.3	32.3	32.3	96.0	96.0	7.7		6.6		4		-				-		-	
						4.6	0.0	79	16.4		8.3		32.3		96.0		7.7		6.6		4		-				-		-	
					Bottom	8.1	0.0	94	16.4	16.4	8.3	8.3	32.3	32.3	96.1	96.1	7.7	7.7	7.5		5		-				-		-	
						8.1	0.0	92	16.4		8.3		32.3		96.1		7.7		7.5		4		-				-		-	
SR8	Cloudy	Moderate	15:35	4.4	Surface	1.0	-	-	17.3	17.3	8.1	8.1	32.7	32.7	103.1	103.2	8.1	8.2	5.5	6.0	6	8	-	-	820371	811643	-	-	-	-
						1.0	-	-	17.2		8.1		32.7		103.2		8.2		5.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	17.1	17.1	8.1	8.1	32.7	32.7	104.0	104.1	8.2	8.3	6.3		10		-				-		-	
						3.4	-	-	17.1		8.1		32.7		104.2		8.3		6.4		9		-				-		-	

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Water Quality Monitoring
Water Quality Monitoring Results on 06 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	10:26	6.8	Surface	1.0	0.3	35	16.2	16.2	8.2	8.2	32.3	32.3	95.1	95.1	7.7	7.7	6.8	6.8	12	13	82	86	815601	804233	<0.2	<0.2	0.6	0.7
						1.0	0.3	38	16.2		8.2		32.3		95.1		7.7		6.8		12		82				<0.2		0.8	
					Middle	3.4	0.3	31	16.2	16.2	8.2	8.2	32.3	32.3	94.9	94.9	7.7		6.0		12		86				<0.2		0.6	
						3.4	0.3	30	16.2		8.2		32.3		94.9		7.7		6.1		13		86				<0.2		0.7	
					Bottom	5.8	0.3	32	16.2	16.2	8.2	8.2	32.3	32.3	94.6	94.6	7.6	7.6	7.4		15		90				<0.2		0.8	
						5.8	0.3	38	16.2		8.2		32.3		94.6		7.6		7.5		16		90				<0.2		0.8	
C2	Fine	Rough	11:46	8.9	Surface	1.0	0.4	347	16.6	16.6	8.2	8.2	31.5	31.5	93.7	93.7	7.6	7.5	1.4	1.9	7	10	79	86	825662	806954	<0.2	<0.2	0.9	0.9
						1.0	0.4	349	16.6		8.2		31.5		93.7		7.5		1.4		6		79				<0.2		0.7	
					Middle	4.5	0.5	352	16.6	16.6	8.2	8.2	31.6	31.6	92.7	92.7	7.5		2.0		8		86				<0.2		0.9	
						4.5	0.4	345	16.6		8.2		31.6		92.7		7.5		2.0		9		87				<0.2		0.9	
					Bottom	7.9	0.4	6	16.6	16.6	8.2	8.2	31.6	31.6	93.3	93.3	7.5	7.5	2.3		16		91				<0.2		0.9	
						7.9	0.4	11	16.6		8.2		31.6		93.3		7.5		2.3		15		91				<0.2		0.8	
C3	Cloudy	Moderate	09:35	11.8	Surface	1.0	0.3	260	17.4	17.4	8.0	8.0	32.9	32.9	99.3	99.3	7.8	7.8	4.7	6.8	7	10	86	87	822131	817807	<0.2	<0.2	0.6	0.7
						1.0	0.3	259	17.4		8.0		32.9		99.3		7.8		4.9		8		85				<0.2		0.7	
					Middle	5.9	0.3	262	17.4	17.4	8.0	8.0	32.9	32.9	98.9	99.0	7.8		6.0		12		87				<0.2		0.8	
						5.9	0.4	257	17.4		8.0		32.9		99.0		7.8		6.2		11		87				<0.2		0.7	
					Bottom	10.8	0.4	274	17.4	17.4	8.0	8.0	32.9	32.9	100.2	100.4	7.9	7.9	9.5		12		89				<0.2		0.8	
						10.8	0.3	273	17.4		8.0		32.9		100.5		7.9		9.8		12		90				<0.2		0.8	
IM1	Fine	Moderate	10:48	6.9	Surface	1.0	0.2	22	16.3	16.3	8.2	8.2	32.2	32.2	95.4	95.4	7.7	7.7	7.3	8.3	14	17	82	86	818359	806435	<0.2	<0.2	0.9	0.9
						1.0	0.2	23	16.3		8.2		32.2		95.4		7.7		7.3		13		82				<0.2		0.9	
					Middle	3.5	0.2	24	16.3	16.3	8.2	8.2	32.2	32.2	95.2	95.2	7.7		8.2		18		86				<0.2		0.9	
						3.5	0.2	20	16.3		8.2		32.2		95.2		7.7		8.2		17		86				<0.2		0.9	
					Bottom	5.9	0.2	8	16.2	16.2	8.2	8.2	32.2	32.2	95.5	95.6	7.7	7.7	9.3		19		91				<0.2		0.9	
						5.9	0.2	12	16.2		8.2		32.2		95.6		7.7		9.4		20		91				<0.2		0.8	
IM2	Fine	Moderate	10:54	7.3	Surface	1.0	0.2	10	16.3	16.3	8.2	8.2	32.0	32.0	95.2	95.2	7.7	7.7	7.9	8.5	12	11	79	85	819161	806253	<0.2	<0.2	0.8	0.9
						1.0	0.2	5	16.3		8.2		32.0		95.2		7.7		7.9		11		79				<0.2		0.9	
					Middle	3.7	0.2	4	16.2	16.2	8.2	8.2	32.1	32.1	94.7	94.7	7.7		8.3		12		86				<0.2		0.9	
						3.7	0.2	4	16.2		8.2		32.1		94.7		7.7		8.3		11		86				<0.2		0.8	
					Bottom	6.3	0.2	6	16.2	16.2	8.2	8.2	32.2	32.2	95.0	95.1	7.7	7.7	9.2		10		90				<0.2		0.9	
						6.3	0.2	5	16.2		8.2		32.2		95.1		7.7		9.3		10		90				<0.2		1.0	
IM7	Fine	Rough	11:14	7.8	Surface	1.0	0.2	342	16.6	16.6	8.2	8.2	31.8	31.8	93.0	93.0	7.5	7.5	2.0	3.2	4	4	82	86	821334	806833	<0.2	<0.2	0.9	0.9
						1.0	0.3	339	16.6		8.2		31.8		93.0		7.5		2.0		3		82				<0.2		0.9	
					Middle	3.9	0.2	334	16.6	16.6	8.2	8.2	31.9	31.9	92.3	92.3	7.4		3.2		4		86				<0.2		1.1	
						3.9	0.2	331	16.6		8.2		31.9		92.3		7.4		3.3		5		86				<0.2		1.0	
					Bottom	6.8	0.2	327	16.6	16.6	8.2	8.2	32.0	32.0	92.4	92.5	7.4	7.4	4.2		5		90				<0.2		0.8	
						6.8	0.2	328	16.6		8.2		32.0		92.5		7.4		4.2		5		90				<0.2		0.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 February 22 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		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
IM10	Cloudy	Moderate	11:00	7.4	Surface	1.0	0.4	274	16.9	16.9	8.1	8.1	32.6	32.6	102.4	102.4	8.1	8.2	7.3	7.9	8	7	86	88	822262	809822	<0.2	<0.2	0.7	0.8
						1.0	0.4	278	16.9		8.1		32.6		102.4		8.1		7.4		9		85				<0.2		0.8	
					Middle	3.7	0.4	274	16.9	16.9	8.1	8.1	32.7	32.7	102.6	102.6	8.2		8.1		6		87				<0.2		0.8	
						3.7	0.4	271	16.9		8.1		32.7		102.6		8.2		8.1		7		87				<0.2		0.7	
					Bottom	6.4	0.4	289	16.9	16.9	8.1	8.1	32.7	32.7	103.2	103.3	8.2	8.2	8.4		6		90				<0.2		0.8	
						6.4	0.4	293	16.9		8.1		32.7		103.4		8.2		8.3		5		91				<0.2		0.8	
IM11	Cloudy	Moderate	10:53	7.9	Surface	1.0	0.4	292	17.0	17.0	8.1	8.1	32.7	32.7	101.7	101.7	8.1	8.1	7.3	8.6	5	6	86	88	821515	810551	<0.2	<0.2	0.7	0.7
						1.0	0.5	297	17.0		8.1		32.7		101.7		8.1		7.4		5		85				<0.2		0.7	
					Middle	4.0	0.5	259	17.0	17.0	8.1	8.1	32.7	32.7	101.8	101.8	8.1		7.9		6		88				<0.2		0.7	
						4.0	0.5	251	17.0		8.1		32.7		101.8		8.1		8.0		6		87				<0.2		0.8	
					Bottom	6.9	0.4	271	16.9	16.9	8.1	8.1	32.7	32.7	102.3	102.4	8.1	8.1	10.6		7		90				<0.2		0.7	
						6.9	0.4	266	16.9		8.1		32.7		102.4		8.1		10.5		6		91				<0.2		0.8	
IM12	Cloudy	Moderate	10:46	8.5	Surface	1.0	0.4	281	17.0	17.0	8.1	8.1	32.7	32.7	101.2	101.2	8.0	8.0	11.5	13.8	16	17	85	87	821184	811508	<0.2	<0.2	0.8	0.7
						1.0	0.5	274	17.0		8.1		32.7		101.2		8.0		11.6		17		85				<0.2		0.6	
					Middle	4.3	0.5	281	17.0	17.0	8.1	8.1	32.7	32.7	101.2	101.2	8.0		12.6		17		87				<0.2		0.6	
						4.3	0.4	278	17.0		8.1		32.7		101.2		8.0		13.1		16		87				<0.2		0.7	
					Bottom	7.5	0.5	278	16.9	16.9	8.1	8.1	32.7	32.7	101.3	101.4	8.1	8.1	17.3		18		90				<0.2		0.8	
						7.5	0.5	281	16.9		8.1		32.7		101.4		8.1		16.6		18		90				<0.2		0.8	
SR1A	Cloudy	Moderate	10:16	5.7	Surface	1.0	0.0	180	17.1	17.1	8.1	8.1	32.7	32.7	100.2	100.3	7.9	7.9	6.9	7.9	4	6	-	-	819979	812656	-	-	-	-
						1.0	0.1	179	17.1		8.1		32.7		100.3		7.9		7.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.0	195	17.1	17.1	8.1	8.1	32.7	32.7	102.9	103.4	8.2	8.2	8.5		8		-				-		-	
						4.7	0.1	195	17.1		8.1		32.7		103.9		8.2		9.1		7		-				-		-	
SR2	Cloudy	Moderate	10:03	4.7	Surface	1.0	0.1	246	17.1	17.1	8.1	8.1	32.7	32.7	101.7	101.8	8.1	8.1	6.2	6.3	10	9	85	87	821466	814174	<0.2	<0.2	0.8	0.8
						1.0	0.1	247	17.1		8.1		32.7		101.8		8.1		6.2		10		86				<0.2		0.7	
					Middle	-	0.1	272	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	276	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	247	17.0	17.0	8.1	8.1	32.7	32.7	103.0	103.1	8.2	8.2	6.5		8		89				<0.2		0.8	
						3.7	0.1	248	17.0		8.1		32.7		103.2		8.2		6.5		7		89				<0.2		0.8	
SR3	Fine	Rough	11:22	8.3	Surface	1.0	0.4	353	16.6	16.6	8.2	8.2	31.5	31.5	94.3	94.3	7.6	7.5	1.2	2.4	3	5	-	-	822127	807558	-	-	-	-
						1.0	0.4	347	16.6		8.2		31.5		94.3		7.6		1.2		4		-				-		-	
					Middle	4.2	0.3	352	16.6	16.6	8.2	8.2	31.9	31.9	92.0	92.0	7.4		2.9		5		-				-		-	
						4.2	0.3	356	16.6		8.2		31.9		92.0		7.4		2.9		6		-				-		-	
					Bottom	7.3	0.3	326	16.7	16.7	8.2	8.2	31.9	31.9	92.1	92.2	7.4	7.4	3.2		5		-				-		-	
						7.3	0.3	327	16.7		8.2		31.9		92.2		7.4		3.2		6		-				-		-	
SR4A	Fine	Moderate	10:09	8.5	Surface	1.0	0.0	253	16.4	16.4	8.1	8.1	32.0	32.0	93.3	93.3	7.5	7.5	3.9	4.3	7	9	-	-	817177	807818	-	-	-	-
						1.0	0.0	249	16.4		8.1		32.0		93.3		7.5		3.9		8		-				-		-	
					Middle	4.3	0.1	256	16.4	16.4	8.1	8.1	32.0	32.0	93.0	93.0	7.5		4.3		8		-				-		-	
						4.3	0.1	253	16.4		8.1		32.0		93.0		7.5		4.3		8		-				-		-	
					Bottom	7.5	0.0	231	16.3	16.3	8.1	8.1	32.0	32.0	93.1	93.1	7.5	7.5	4.5		10		-				-		-	
						7.5	0.0	225	16.3		8.1		32.0		93.1		7.5		4.6		10		-				-		-	
SR8	Cloudy	Moderate	10:39	4.6	Surface	1.0	-	-	17.0	17.0	8.2	8.2	32.7	32.7	101.9	101.9	8.1	8.1	8.7	9.2	7	10	-	-	820396	811601	-	-	-	-
						1.0	-	-	17.0		8.2		32.7		101.9		8.1		9.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	17.0	17.0	8.6	8.7	32.5	32.5	102.8	102.9	8.2	8.2	8.9		12		-				-		-	
						3.6	-	-	17.0		8.7		32.5		102.9		8.2		9.8		13		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	04:31	7.8	Surface	1.0	0.1	207	16.6	16.6	8.2	8.2	32.5	32.5	96.7	96.7	7.8	7.8	1.9	2.7	5	5	46	49	815642	804229	<0.2	<0.2	0.6	0.4
						1.0	0.2	202	16.6		8.2		32.5		96.7		7.8		1.9		4		46				<0.2		0.4	
					Middle	3.9	0.1	227	16.6	16.6	8.2	8.2	32.6	32.6	96.3	96.3	7.7		2.4		4		49				<0.2		0.3	
						3.9	0.1	226	16.6		8.2		32.6		96.3		7.7		2.4		5		49				<0.2		0.4	
					Bottom	6.8	0.1	231	16.7	16.7	8.2	8.2	32.7	32.7	95.9	95.9	7.7	7.7	3.8		5		51				<0.2		0.4	
						6.8	0.1	234	16.7		8.2		32.7		95.9		7.7		3.8		6		51				<0.2		0.3	
C2	Cloudy	Moderate	06:07	11.5	Surface	1.0	0.4	174	16.7	16.7	8.2	8.2	31.0	31.0	96.4	96.4	7.8	7.7	1.5	3.6	4	3	46	48	825668	806932	<0.2	<0.2	0.8	0.8
						1.0	0.4	170	16.7		8.2		31.0		96.3		7.8		1.5		3		46				<0.2		0.8	
					Middle	5.8	0.4	176	16.8	16.8	8.2	8.2	31.7	31.7	95.3	95.3	7.6		1.6		2		48				<0.2		0.9	
						5.8	0.4	177	16.8		8.2		31.7		95.3		7.6		1.6		3		49				<0.2		0.9	
					Bottom	10.5	0.4	190	16.7	16.7	8.2	8.2	31.8	31.8	94.5	94.5	7.6	7.6	7.9		2		50				<0.2		0.8	
						10.5	0.4	194	16.7		8.2		31.8		94.5		7.6		7.2		3		51				<0.2		0.7	
C3	Cloudy	Moderate	03:37	11.0	Surface	1.0	0.1	89	17.5	17.5	8.1	8.1	33.1	33.1	99.0	99.0	7.8	7.8	3.2	3.3	4	3	47	48	822120	817814	<0.2	<0.2	0.7	1.1
						1.0	0.1	90	17.5		8.1		33.1		99.0		7.8		3.3		3		46				<0.2		0.8	
					Middle	5.5	0.1	93	17.5	17.5	8.0	8.0	33.1	33.1	98.6	98.6	7.7		3.4		3		47				<0.2		0.7	
						5.5	0.2	95	17.5		8.0		33.1		98.5		7.7		3.4		3		48				<0.2		0.7	
					Bottom	10.0	0.1	110	17.5	17.5	8.0	8.0	33.0	33.0	98.4	98.5	7.7	7.7	3.3		3		50				<0.2		1.8	
						10.0	0.1	109	17.5		8.0		33.0		98.5		7.7		3.5		2		52				<0.2		1.9	
IM1	Cloudy	Moderate	04:51	6.2	Surface	1.0	0.1	196	16.5	16.5	8.2	8.2	32.1	32.1	96.4	96.4	7.8	7.8	1.2	2.9	4	4	45	48	818363	806465	<0.2	<0.2	0.6	0.5
						1.0	0.1	203	16.5		8.2		32.1		96.4		7.8		1.2		3		46				<0.2		0.5	
					Middle	3.1	0.2	172	16.5	16.5	8.3	8.3	32.5	32.5	96.8	96.8	7.8		2.0		4		48				<0.2		0.6	
						3.1	0.1	168	16.5		8.3		32.5		96.8		7.8		2.0		4		48				<0.2		0.4	
					Bottom	5.2	0.2	206	16.6	16.6	8.3	8.3	32.6	32.6	96.8	96.8	7.8	7.8	5.5		6		50				<0.2		0.5	
						5.2	0.2	198	16.6		8.3		32.6		96.8		7.8		5.6		5		50				<0.2		0.6	
IM2	Cloudy	Moderate	04:58	7.1	Surface	1.0	0.1	185	16.5	16.5	8.2	8.2	32.2	32.2	96.3	96.3	7.7	7.7	1.3	2.0	4	4	45	48	819178	806246	<0.2	<0.2	0.5	0.5
						1.0	0.2	182	16.5		8.2		32.2		96.3		7.7		1.3		3		45				<0.2		0.6	
					Middle	3.6	0.1	197	16.5	16.5	8.3	8.3	32.4	32.4	96.3	96.3	7.7		1.3		3		48				<0.2		0.5	
						3.6	0.1	204	16.5		8.3		32.4		96.3		7.7		1.3		4		48				<0.2		0.6	
					Bottom	6.1	0.2	166	16.5	16.5	8.3	8.3	32.5	32.5	96.4	96.4	7.7	7.7	3.4		4		50				<0.2		0.4	
						6.1	0.2	170	16.5		8.3		32.5		96.4		7.7		3.4		4		50				<0.2		0.5	
IM7	Cloudy	Moderate	05:31	8.3	Surface	1.0	0.1	189	16.6	16.6	8.2	8.2	31.6	31.6	96.2	96.2	7.7	7.7	0.7	0.9	3	3	45	47	821359	806821	<0.2	<0.2	0.7	0.7
						1.0	0.1	184	16.6		8.2		31.6		96.2		7.7		0.7		3		45				<0.2		0.7	
					Middle	4.2	0.1	172	16.6	16.6	8.2	8.2	31.7	31.7	96.0	96.0	7.7		0.7		4		47				<0.2		0.6	
						4.2	0.1	167	16.6		8.2		31.7		96.0		7.7		0.7		3		47				<0.2		0.6	
					Bottom	7.3	0.1	200	16.5	16.5	8.2	8.2	31.9	31.9	95.2	95.3	7.7	7.7	1.4		2		50				<0.2		0.7	
						7.3	0.1	206	16.5		8.2		31.9		95.3		7.7		1.4		2		49				<0.2		0.7	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 February 22 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		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
IM10	Cloudy	Moderate	04:58	7.7	Surface	1.0	0.2	109	17.2	17.2	8.1	8.1	32.4	32.4	102.5	102.5	8.1	8.1	3.2	3.7	2	3	46	48	822230	809824	<0.2	<0.2	0.6	0.8
						1.0	0.3	116	17.2		8.1		32.4		102.5		8.1		3.2		3		47				<0.2		0.6	
					Middle	3.9	0.3	101	17.2	17.2	8.1	8.1	32.5	32.5	102.1	102.1	8.1		3.8		3		47				<0.2		0.7	
						3.9	0.3	96	17.2		8.1		32.5		102.1		8.1		3.9		2		48				<0.2		0.7	
					Bottom	6.7	0.3	107	17.2	17.2	8.1	8.1	32.5	32.5	102.3	102.3	8.1	8.1	4.1		2		51				<0.2		1.2	
						6.7	0.2	109	17.2		8.1		32.5		102.3		8.1		4.0		3		51				<0.2		1.0	
IM11	Cloudy	Moderate	04:52	7.4	Surface	1.0	0.2	80	17.2	17.2	8.1	8.1	32.5	32.5	102.5	102.5	8.1	8.1	2.9	3.2	2	2	46	48	821511	810557	0.2	0.2	1.1	1.1
						1.0	0.2	72	17.2		8.1		32.5		102.5		8.1		2.9		3		47				0.2		1.0	
					Middle	3.7	0.3	72	17.2	17.2	8.1	8.1	32.6	32.6	102.4	102.4	8.1		3.1		<2		48				<0.2		1.0	
						3.7	0.2	74	17.2		8.1		32.6		102.4		8.1		3.2		<2		48				<0.2		1.1	
					Bottom	6.4	0.2	68	17.2	17.2	8.1	8.1	32.7	32.7	102.7	102.7	8.1	8.1	3.6		<2		50				<0.2		1.0	
						6.4	0.2	67	17.2		8.1		32.7		102.7		8.1		3.7		<2		51				<0.2		1.1	
IM12	Cloudy	Moderate	04:40	8.0	Surface	1.0	0.2	113	17.2	17.2	8.1	8.1	32.5	32.5	101.8	101.8	8.1	8.1	3.0	4.5	2	2	46	48	821146	811498	0.3	0.2	1.1	1.0
						1.0	0.3	106	17.2		8.1		32.5		101.8		8.1		3.0		3		47				0.3		1.1	
					Middle	4.0	0.3	100	17.2	17.2	8.1	8.1	32.6	32.6	101.5	101.5	8.0		4.1		2		48				<0.2		0.9	
						4.0	0.2	100	17.2		8.1		32.6		101.5		8.0		4.2		2		47				<0.2		0.9	
					Bottom	7.0	0.3	97	17.2	17.2	8.1	8.1	32.7	32.7	102.9	103.0	8.1	8.1	6.2		<2		50				<0.2		1.1	
						7.0	0.3	102	17.2		8.1		32.7		103.1		8.1		6.3		<2		51				<0.2		1.1	
SR1A	Cloudy	Moderate	04:13	5.5	Surface	1.0	0.0	72	17.2	17.2	8.1	8.1	32.6	32.6	101.0	101.0	8.0	8.0	3.3	4.7	3	3	-	-	819981	812656	-	-	-	-
						1.0	0.0	70	17.2		8.1		32.6		101.0		8.0		3.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.0	79	17.3	17.3	8.1	8.1	32.9	32.9	100.7	100.7	7.9	7.9	6.0		3		-				-		-	
						4.5	0.0	81	17.3		8.1		32.9		100.7		7.9		6.2		2		-				-		-	
SR2	Cloudy	Moderate	04:00	4.2	Surface	1.0	0.1	50	17.3	17.3	8.1	8.1	32.8	32.8	101.3	101.3	8.0	8.0	3.7	3.8	3	3	47	50	821475	814185	<0.2	<0.2	1.0	1.0
						1.0	0.1	45	17.3		8.1		32.8		101.3		8.0		3.7		2		49				<0.2		1.1	
					Middle	-	0.1	54	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	53	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	37	17.3	17.3	8.1	8.1	32.8	32.8	101.7	101.7	8.0	8.0	4.0		4		52				<0.2		0.9	
						3.2	0.1	37	17.3		8.1		32.8		101.7		8.0		4.0		3		51				<0.2		0.9	
SR3	Cloudy	Moderate	05:41	8.6	Surface	1.0	0.3	157	16.6	16.6	8.2	8.2	31.6	31.6	96.4	96.4	7.8	7.8	0.7	1.1	<2	2	-	-	822139	807592	-	-	-	-
						1.0	0.3	154	16.6		8.2		31.6		96.4		7.8		0.7		<2		-				-		-	
					Middle	4.3	0.3	174	16.6	16.6	8.2	8.2	31.7	31.7	95.6	95.6	7.7		0.9		<2		-				-		-	
						4.3	0.3	177	16.6		8.2		31.7		95.5		7.7		0.9		<2		-				-		-	
					Bottom	7.6	0.3	176	16.5	16.5	8.2	8.2	31.9	31.9	95.9	96.0	7.7	7.7	1.6		3		-				-		-	
						7.6	0.3	176	16.5		8.2		31.9		96.0		7.7		1.6		3		-				-		-	
SR4A	Cloudy	Calm	04:11	9.0	Surface	1.0	0.0	55	16.7	16.7	8.1	8.1	32.6	32.6	94.7	94.7	7.6	7.6	3.2	3.3	5	6	-	-	817203	807798	-	-	-	-
						1.0	0.0	48	16.7		8.1		32.6		94.7		7.6		3.2		6		-				-		-	
					Middle	4.5	0.0	49	16.7	16.7	8.1	8.1	32.7	32.7	94.8	94.8	7.6		3.4		6		-				-		-	
						4.5	-	53	16.7		8.1		32.7		94.8		7.6		3.4		5		-				-		-	
					Bottom	8.0	0.0	42	16.7	16.7	8.1	8.1	32.7	32.7	94.8	94.8	7.6	7.6	3.2		6		-				-		-	
						8.0	0.0	48	16.7		8.1		32.7		94.8		7.6		3.2		7		-				-		-	
SR8	Cloudy	Moderate	04:32	4.4	Surface	1.0	-	-	17.7	17.7	8.1	8.1	32.3	32.3	102.9	103.0	8.1	8.1	4.6	6.7	3	3	-	-	820409	811626	-	-	-	-
						1.0	-	-	17.7		8.1		32.3		103.1		8.1		5.1		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	17.5	17.5	8.1	8.1	32.3	32.3	104.2	104.3	8.2	8.2	8.4		3		-				-		-	
						3.4	-	-	17.5		8.1		32.3		104.4		8.2		8.8		4		-				-		-	

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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	12:27	8.0	Surface	1.0	0.3	33	16.7	16.7	8.3	8.3	32.6	32.6	96.6	96.6	7.7	7.7	7.6	9.6	13	14	46	49	815643	804233	<0.2	<0.2	0.3	0.4
						1.0	0.3	25	16.7		8.3		32.6		96.6		7.7		7.6		13		46				<0.2		0.4	
					Middle	4.0	0.3	48	16.7	16.7	8.3	8.3	32.6	32.6	96.7	96.7	7.7		9.7		15		49				<0.2		0.3	
						4.0	0.2	53	16.7		8.3		32.6		96.7		7.7		9.5		15		49				<0.2		0.4	
					Bottom	7.0	0.3	19	16.7	16.7	8.3	8.3	32.6	32.6	97.0	97.1	7.7	7.8	11.4		14		52				<0.2		0.4	
						7.0	0.3	18	16.7		8.3		32.6		97.1		7.8		11.5		15		52				<0.2		0.4	
C2	Cloudy	Moderate	11:08	11.7	Surface	1.0	0.2	342	16.7	16.7	8.2	8.2	30.9	30.9	96.5	96.5	7.8	7.7	2.0	3.4	14	12	46	49	825669	806927	<0.2	<0.2	0.8	1.0
						1.0	0.2	345	16.7		8.2		30.9		96.5		7.8		2.0		14		47				<0.2		0.8	
					Middle	5.9	0.2	325	16.8	16.8	8.2	8.2	31.7	31.7	95.0	95.0	7.6		2.1		10		49				<0.2		1.1	
						5.9	0.2	332	16.8		8.2		31.7		94.9		7.6		2.1		11		50				<0.2		1.1	
					Bottom	10.7	0.2	4	16.7	16.7	8.2	8.2	31.8	31.8	94.4	94.4	7.6	7.6	6.1		10		51				<0.2		0.9	
						10.7	0.2	359	16.7		8.2		31.8		94.4		7.6		6.2		11		51				<0.2		1.0	
C3	Cloudy	Moderate	12:59	11.8	Surface	1.0	0.4	266	17.6	17.6	8.1	8.1	33.3	33.3	96.6	96.6	7.5	7.6	3.6	4.4	4	3	47	49	822094	817795	<0.2	<0.2	1.4	1.2
						1.0	0.4	265	17.6		8.1		33.3		96.6		7.6		3.7		3		48				<0.2		1.4	
					Middle	5.9	0.3	241	17.6	17.6	8.1	8.1	33.3	33.3	97.2	97.6	7.7		4.8		3		48				<0.2		1.3	
						5.9	0.3	238	17.6		8.1		33.3		97.9		7.7		4.8		3		50				<0.2		1.2	
					Bottom	10.8	0.4	249	17.6	17.6	8.1	8.1	33.2	33.2	99.7	99.8	7.8	7.8	4.9		3		51				<0.2		0.8	
						10.8	0.5	251	17.6		8.1		33.2		99.8		7.8		4.9		3		52				<0.2		1.0	
IM1	Cloudy	Moderate	12:06	6.4	Surface	1.0	0.2	12	16.7	16.7	8.3	8.3	32.7	32.7	97.7	97.7	7.8	7.8	3.9	4.5	7	12	46	48	818359	806447	<0.2	<0.2	0.4	0.4
						1.0	0.1	19	16.7		8.3		32.7		97.7		7.8		3.9		7		45				<0.2		0.4	
					Middle	3.2	0.1	25	16.6	16.6	8.3	8.3	32.7	32.7	97.4	97.4	7.8		4.2		8		48				<0.2		0.4	
						3.2	0.1	23	16.6		8.3		32.7		97.4		7.8		4.2		9		48				<0.2		0.4	
					Bottom	5.4	0.1	4	16.6	16.6	8.3	8.3	32.7	32.7	97.8	97.8	7.8	7.8	5.4		19		50				<0.2		0.4	
						5.4	0.1	7	16.6		8.3		32.7		97.8		7.8		5.4		19		51				<0.2		0.4	
IM2	Cloudy	Moderate	11:59	7.6	Surface	1.0	0.1	357	16.8	16.8	8.3	8.3	32.6	32.6	96.3	96.3	7.7	7.7	4.7	6.4	7	9	45	48	819166	806240	<0.2	<0.2	0.3	0.4
						1.0	0.2	359	16.8		8.3		32.6		96.3		7.7		4.7		8		45				<0.2		0.4	
					Middle	3.8	0.2	9	16.7	16.7	8.3	8.3	32.6	32.6	96.9	96.9	7.7		5.3		8		49				<0.2		0.4	
						3.8	0.1	6	16.7		8.3		32.6		96.9		7.7		5.3		7		49				<0.2		0.4	
					Bottom	6.6	0.1	12	16.6	16.6	8.3	8.3	32.6	32.6	97.4	97.4	7.8	7.8	9.2		11		51				<0.2		0.4	
						6.6	0.1	15	16.6		8.3		32.6		97.4		7.8		9.4		12		50				<0.2		0.4	
IM7	Cloudy	Moderate	11:36	8.3	Surface	1.0	0.2	302	16.6	16.6	8.2	8.2	31.6	31.6	96.9	96.9	7.8	7.8	0.6	0.9	2	3	45	48	821360	806846	<0.2	<0.2	0.7	0.6
						1.0	0.2	302	16.6		8.2		31.6		96.9		7.8		0.6		3		45				<0.2		0.8	
					Middle	4.2	0.2	283	16.6	16.6	8.2	8.2	31.6	31.6	96.6	96.6	7.8		0.7		4		48				<0.2		0.5	
						4.2	0.1	287	16.6		8.2		31.6		96.6		7.8		0.7		3		48				<0.2		0.6	
					Bottom	7.3	0.1	313	16.6	16.6	8.2	8.2	31.7	31.7	96.2	96.2	7.8	7.8	1.4		3		50				<0.2		0.5	
						7.3	0.1	315	16.6		8.2		31.7		96.2		7.8		1.4		4		50				<0.2		0.7	

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									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM10	Cloudy	Moderate	11:36	7.0	Surface	1.0	0.3	267	17.2	17.2	8.1	8.1	32.6	32.6	102.2	102.2	8.1	8.1	4.7	5.1	3	2	47	49	822216	809850	<0.2	<0.2	0.7	0.9
						1.0	0.2	262	17.2		8.1		32.6		102.2		8.1		4.7		3		47				<0.2		0.7	
					Middle	3.5	0.4	296	17.2	17.2	8.1	8.1	32.6	32.6	102.5	102.6	8.1		5.1		2		49				<0.2		0.7	
						3.5	0.4	301	17.2		8.1		32.6		102.6		8.1		5.2		2		48				<0.2		0.6	
					Bottom	6.0	0.3	261	17.2	17.2	8.2	8.2	32.5	32.5	103.3	103.4	8.2	8.2	5.3		2		51				<0.2		1.2	
						6.0	0.4	261	17.2		8.2		32.5		103.4		8.2		5.4		2		52				<0.2		1.2	
IM11	Cloudy	Moderate	11:48	8.2	Surface	1.0	0.4	263	17.2	17.2	8.1	8.1	32.7	32.7	101.5	101.5	8.0	8.0	5.1	6.0	2	2	46	49	821481	810558	<0.2	<0.2	1.8	1.7
						1.0	0.4	270	17.2		8.1		32.7		101.5		8.0		5.2		3		47				<0.2		1.7	
					Middle	4.1	0.4	280	17.2	17.2	8.1	8.1	32.6	32.6	101.6	101.6	8.0		5.4		2		49				<0.2		1.7	
						4.1	0.4	283	17.2		8.1		32.6		101.6		8.0		5.5		3		48				<0.2		1.8	
					Bottom	7.2	0.4	256	17.2	17.2	8.1	8.1	32.6	32.6	102.3	102.4	8.1	8.1	7.3		<2		51				<0.2		1.6	
						7.2	0.3	260	17.2		8.1		32.6		102.4		8.1		7.4		<2		52				<0.2		1.7	
IM12	Cloudy	Moderate	11:56	8.6	Surface	1.0	0.4	280	17.3	17.3	8.1	8.1	32.9	32.9	100.9	100.9	7.9	8.0	6.2	7.3	2	2	47	49	821149	811500	<0.2	<0.2	0.9	1.0
						1.0	0.4	277	17.3		8.1		32.9		100.9		8.0		6.4		2		47				<0.2		0.8	
					Middle	4.3	0.3	276	17.3	17.3	8.1	8.1	32.9	32.9	101.1	101.2	8.0		6.5		<2		48				<0.2		1.1	
						4.3	0.4	273	17.3		8.1		32.9		101.2		8.0		7.2		<2		49				<0.2		1.1	
					Bottom	7.6	0.4	265	17.3	17.3	8.1	8.1	32.9	32.9	101.7	101.8	8.0	8.0	8.7		<2		51				<0.2		1.1	
						7.6	0.4	258	17.3		8.1		32.9		101.8		8.0		8.9		<2		52				<0.2		1.0	
SR1A	Cloudy	Moderate	12:22	5.3	Surface	1.0	0.0	199	17.4	17.4	8.1	8.1	32.8	32.8	101.8	101.9	8.0	8.0	4.4	4.2	2	3	-	-	819983	812653	-	-	-	-
						1.0	-	199	17.4		8.1		32.8		102.0		8.0		4.4		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.0	173	17.3	17.4	8.1	8.1	32.8	32.8	102.9	103.1	8.1	8.1	4.0		2		-				-		-	
						4.3	-	172	17.4		8.1		32.8		103.3		8.1		4.0		3		-				-		-	
SR2	Cloudy	Moderate	12:36	4.6	Surface	1.0	0.0	242	17.4	17.4	8.1	8.1	33.0	33.0	101.0	101.0	7.9	7.9	3.3	3.2	2	2	47	49	821463	814175	<0.2	<0.2	1.4	1.4
						1.0	0.0	239	17.4		8.1		33.0		101.0		7.9		3.3		3		48				<0.2		1.3	
					Middle	-	0.0	240	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	245	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	249	17.4	17.4	8.1	8.1	33.0	33.0	101.1	101.1	7.9	7.9	3.2		<2		51				<0.2		1.4	
						3.6	0.1	255	17.4		8.1		33.0		101.1		7.9		3.2		<2		50				<0.2		1.5	
SR3	Cloudy	Moderate	11:28	8.8	Surface	1.0	0.1	315	16.6	16.6	8.2	8.2	31.7	31.7	96.3	96.3	7.8	7.8	1.1	1.0	4	4	-	-	822147	807573	-	-	-	-
						1.0	0.1	315	16.6		8.2		31.7		96.3		7.8		1.1		4		-				-		-	
					Middle	4.4	0.2	330	16.6	16.6	8.2	8.2	31.7	31.7	96.1	96.1	7.7		1.0		4		-				-		-	
						4.4	0.1	336	16.6		8.2		31.7		96.1		7.7		1.0		4		-				-		-	
					Bottom	7.8	0.2	303	16.6	16.6	8.3	8.3	31.7	31.7	96.5	96.5	7.8	7.8	1.0		3		-				-		-	
						7.8	0.1	306	16.6		8.3		31.7		96.5		7.8		1.0		3		-				-		-	
SR4A	Cloudy	Calm	12:47	9.1	Surface	1.0	0.0	240	16.7	16.7	8.3	8.3	32.7	32.7	96.5	96.5	7.7	7.7	7.4	9.0	12	14	-	-	817202	807815	-	-	-	-
						1.0	0.1	245	16.7		8.3		32.7		96.5		7.7		7.4		13		-				-		-	
					Middle	4.6	0.0	221	16.7	16.7	8.3	8.3	32.7	32.7	96.4	96.4	7.7		8.7		12		-				-		-	
						4.6	0.1	220	16.7		8.3		32.7		96.4		7.7		8.6		13		-				-		-	
					Bottom	8.1	0.0	235	16.7	16.7	8.3	8.3	32.7	32.7	96.5	96.5	7.7	7.7	11.0		15		-				-		-	
						8.1	0.0	229	16.7		8.3		32.7		96.5		7.7		11.1		16		-				-		-	
SR8	Cloudy	Moderate	12:01	4.6	Surface	1.0	-	-	17.3	17.3	8.1	8.1	32.6	32.6	95.8	95.6	7.6	7.6	4.7	5.3	3	3	-	-	820385	811633	-	-	-	-
						1.0	-	-	17.3		8.1		32.7		95.3		7.5		4.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	17.3	17.3	8.1	8.1	32.6	32.6	84.1	82.8	6.6	6.5	5.8		2		-				-		-	
						3.6	-	-	17.3		8.2		32.6		81.4		6.4		6.0		2		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	21:04	8.3	Surface	1.0	0.4	207	16.6	16.6	8.2	8.2	32.9	32.9	97.4	97.4	7.8	7.8	2.2	2.4	3	4	46	49	815607	804223	<0.2	<0.2	0.4	0.4
						1.0	0.4	202	16.6		8.2		32.9		97.4		7.8		2.3		4		46				<0.2		0.4	
					Middle	4.2	0.4	204	16.6	16.6	8.2	8.2	32.9	32.9	97.3	97.4	7.8		2.4		4		48				<0.2		0.4	
						4.2	0.4	196	16.6		8.2		32.9		97.4		7.8		2.4		3		48				<0.2		0.4	
					Bottom	7.3	0.3	193	16.6	16.6	8.2	8.2	32.9	32.9	97.5	97.5	7.8	7.8	2.5		5		52				<0.2		0.4	
						7.3	0.3	193	16.6		8.2		32.9		97.5		7.8		2.5		6		51				<0.2		0.4	
C2	Cloudy	Moderate	19:40	11.6	Surface	1.0	0.3	164	16.4	16.4	8.1	8.1	32.3	32.3	96.2	96.2	7.7	7.8	0.6	0.8	2	2	46	49	825680	806934	<0.2	<0.2	0.6	0.6
						1.0	0.3	170	16.4		8.1		32.3		96.2		7.7		0.6		2		45				<0.2		0.6	
					Middle	5.8	0.4	184	16.3	16.3	8.1	8.1	32.3	32.3	96.3	96.3	7.8		0.9		<2		50				<0.2		0.6	
						5.8	0.4	187	16.3		8.1		32.3		96.3		7.8		0.9		<2		49				<0.2		0.6	
					Bottom	10.6	0.4	160	16.3	16.3	8.2	8.2	32.3	32.3	96.8	96.9	7.8	7.8	0.9		<2		51				<0.2		0.5	
						10.6	0.4	153	16.3		8.2		32.3		96.9		7.8		0.9		<2		50				<0.2		0.6	
C3	Misty	Calm	20:53	12.0	Surface	1.0	0.3	88	17.5	17.5	8.1	8.1	33.2	33.2	100.5	100.6	7.9	7.9	1.9	2.4	3	2	52	75	822097	817801	<0.2	<0.2	0.4	0.5
						1.0	0.3	88	17.5		8.1		33.2		100.6		7.9		1.9		2		52				<0.2		0.5	
					Middle	6.0	0.3	66	17.5	17.5	8.1	8.1	33.2	33.2	100.8	100.8	7.9		2.1		2		85				<0.2		0.5	
						6.0	0.3	71	17.5		8.1		33.2		100.8		7.9		2.2		2		85				<0.2		0.6	
					Bottom	11.0	0.3	77	17.5	17.5	8.1	8.1	33.2	33.2	100.9	101.0	7.9	7.9	3.0		<2		87				<0.2		0.5	
						11.0	0.3	79	17.5		8.1		33.2		101.0		7.9		3.0		<2		87				<0.2		0.5	
IM1	Cloudy	Moderate	20:44	6.3	Surface	1.0	0.2	190	16.4	16.4	8.2	8.2	32.7	32.7	97.7	97.7	7.9	7.9	3.2	4.2	6	6	47	49	818338	806448	<0.2	<0.2	0.4	0.4
						1.0	0.2	189	16.4		8.2		32.7		97.7		7.9		3.2		5		47				<0.2		0.4	
					Middle	3.2	0.3	194	16.3	16.3	8.2	8.2	32.7	32.7	96.9	96.9	7.8		3.8		6		48				<0.2		0.4	
						3.2	0.3	192	16.3		8.2		32.7		96.9		7.8		3.9		5		50				<0.2		0.3	
					Bottom	5.3	0.2	199	16.3	16.3	8.2	8.2	32.7	32.7	96.9	96.9	7.8	7.8	5.5		3		52				<0.2		0.4	
						5.3	0.2	202	16.3		8.2		32.7		96.9		7.8		5.6		8		51				<0.2		0.4	
IM2	Cloudy	Moderate	20:38	6.7	Surface	1.0	0.3	215	16.3	16.3	8.2	8.2	32.7	32.7	97.8	97.8	7.9	7.9	2.4	3.4	6	6	47	49	819168	806239	<0.2	<0.2	0.4	0.4
						1.0	0.3	221	16.3		8.2		32.7		97.8		7.9		2.4		6		46				<0.2		0.5	
					Middle	3.4	0.3	201	16.3	16.3	8.2	8.2	32.7	32.7	97.3	97.3	7.8		3.6		6		49				<0.2		0.4	
						3.4	0.3	207	16.3		8.2		32.7		97.3		7.8		3.6		5		48				<0.2		0.4	
					Bottom	5.7	0.3	183	16.3	16.3	8.2	8.2	32.7	32.7	97.6	97.7	7.9	7.9	4.0		5		51				<0.2		0.4	
						5.7	0.3	189	16.3		8.2		32.7		97.7		7.9		4.2		5		51				<0.2		0.4	
IM7	Cloudy	Moderate	20:17	7.4	Surface	1.0	0.2	160	16.3	16.3	8.2	8.2	32.4	32.4	97.5	97.5	7.9	7.9	0.9	1.7	3	3	47	49	821360	806821	<0.2	<0.2	0.5	0.5
						1.0	0.2	155	16.3		8.2		32.4		97.5		7.9		0.9		2		47				<0.2		0.5	
					Middle	3.7	0.1	154	16.3	16.3	8.2	8.2	32.6	32.6	97.5	97.6	7.9		2.0		3		48				<0.2		0.5	
						3.7	0.2	159	16.3		8.2		32.6		97.7		7.9		2.1		2		49				<0.2		0.4	
					Bottom	6.4	0.1	158	16.3	16.3	8.2	8.2	32.6	32.6	98.1	98.2	7.9	7.9	2.2		2		51				<0.2		0.4	
						6.4	0.1	157	16.3		8.2		32.6		98.2		7.9		2.2		3		52				<0.2		0.4	

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Water Quality Monitoring
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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		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
IM10	Misty	Calm	19:39	8.4	Surface	1.0	0.3	123	17.4	17.4	8.1	8.1	33.1	33.1	100.7	100.7	7.9	7.9	1.1	2.4	2	2	52	77	822237	809843	<0.2	<0.2	0.6	0.5
						1.0	0.3	130	17.4		8.1		33.1		100.7		7.9		1.1				52				<0.2		0.5	
					Middle	4.2	0.3	121	17.3	17.3	8.1	8.1	33.1	33.1	100.7	100.7	7.9		2.6		3		88				<0.2		0.5	
						4.2	0.3	128	17.3		8.1		33.1		100.7		7.9		2.6		2		88				<0.2		0.5	
					Bottom	7.4	0.3	113	17.4	17.4	8.1	8.1	33.1	33.1	101.5	101.5	8.0	8.0	3.6		2		90				<0.2		0.5	
						7.4	0.3	113	17.4		8.1		33.1		101.5		8.0		3.5		2		90				<0.2		0.6	
IM11	Misty	Calm	19:46	8.2	Surface	1.0	0.4	104	17.3	17.3	8.1	8.1	33.1	33.1	103.1	103.1	8.1	8.1	1.0	2.3	<2	2	63	75	821479	810546	<0.2	<0.2	0.6	0.5
						1.0	0.4	104	17.3		8.1		33.1		103.0		8.1		1.1		<2		63				<0.2		0.6	
					Middle	4.1	0.4	106	17.3	17.3	8.1	8.1	33.1	33.1	102.4	102.4	8.1		2.2		2		78				<0.2		0.5	
						4.1	0.3	101	17.3		8.1		33.1		102.4		8.1		2.2		2		78				<0.2		0.5	
					Bottom	7.2	0.4	100	17.4	17.4	8.1	8.1	33.0	33.0	105.6	105.8	8.3	8.3	3.6		3		85				<0.2		0.5	
						7.2	0.4	97	17.4		8.1		33.0		105.9		8.3		3.6		3		85				<0.2		0.5	
IM12	Misty	Calm	19:53	8.6	Surface	1.0	0.4	114	17.4	17.4	8.1	8.1	33.2	33.2	100.7	100.7	7.9	7.9	2.1	3.6	5	4	48	74	821184	811500	<0.2	<0.2	0.6	0.6
						1.0	0.5	109	17.4		8.1		33.2		100.7		7.9		2.1		4		48				<0.2		0.5	
					Middle	4.3	0.4	107	17.4	17.4	8.1	8.1	33.2	33.2	100.5	100.6	7.9		3.8		4		86				<0.2		0.6	
						4.3	0.4	101	17.4		8.1		33.2		100.6		7.9		3.9		3		86				<0.2		0.5	
					Bottom	7.6	0.4	87	17.4	17.5	8.1	8.1	33.1	33.1	101.8	102.0	8.0	8.0	5.0		3		88				<0.2		0.6	
						7.6	0.4	83	17.5		8.1		33.1		102.2		8.0		4.9		4		88				<0.2		0.6	
SR1A	Misty	Calm	20:13	5.0	Surface	1.0	0.0	71	17.2	17.2	8.1	8.1	33.0	33.0	101.5	101.6	8.0	8.0	2.7	3.3	3	2	-	-	819971	812661	-	-	-	-
						1.0	-	70	17.2		8.1		33.0		101.6		8.0		2.7		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	91	17.3	17.3	8.1	8.1	32.9	32.9	102.6	102.8	8.1	8.1	3.9		<2		-				-		-	
						4.0	0.0	94	17.3		8.1		32.9		102.9		8.1		4.0		<2		-				-		-	
SR2	Misty	Calm	20:27	5.2	Surface	1.0	0.3	57	17.5	17.5	8.1	8.1	33.0	33.0	101.6	101.7	8.0	8.0	2.1	2.6	<2	<2	74	83	821472	814189	<0.2	<0.2	0.5	0.5
						1.0	0.3	56	17.5		8.1		33.0		101.8		8.0		2.2		<2		74				<0.2		0.5	
					Middle	-	0.3	48	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.4	41	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.3	47	17.5	17.5	8.1	8.1	32.9	32.8	102.5	104.4	8.1	8.3	3.2		<2		91				<0.2		0.5	
						4.2	0.3	53	17.5		8.1		32.8		106.2		8.4		3.1		<2		91				<0.2		0.6	
SR3	Cloudy	Moderate	20:10	8.8	Surface	1.0	0.4	156	16.3	16.3	8.2	8.2	32.3	32.3	96.1	96.0	7.8	7.7	1.3	3.8	4	3	-	-	822169	807555	-	-	-	-
						1.0	0.4	159	16.3		8.2		32.4		95.9		7.7		1.4		3		-				-		-	
					Middle	4.4	0.3	152	16.3	16.3	8.2	8.2	32.5	32.5	95.3	95.3	7.7		4.1		3		-				-		-	
						4.4	0.3	157	16.3		8.2		32.5		95.3		7.7		4.1		3		-				-		-	
					Bottom	7.8	0.3	151	16.3	16.3	8.2	8.2	32.6	32.6	96.0	96.2	7.7	7.8	5.8		<2		-				-		-	
						7.8	0.3	152	16.3		8.2		32.6		96.4		7.8		6.1		<2		-				-		-	
SR4A	Cloudy	Moderate	21:25	8.8	Surface	1.0	0.1	339	16.3	16.3	8.2	8.2	32.7	32.7	96.9	96.9	7.8	7.9	4.2	4.5	6	7	-	-	817185	807832	-	-	-	-
						1.0	0.1	344	16.3		8.2		32.7		96.9		7.8		4.2		7		-				-		-	
					Middle	4.4	0.0	346	16.3	16.3	8.2	8.2	32.7	32.7	97.8	97.9	7.9		4.5		7		-				-		-	
						4.4	0.0	352	16.3		8.2		32.7		97.9		7.9		4.6		6		-				-		-	
					Bottom	7.8	0.0	346	16.2	16.2	8.2	8.2	32.7	32.7	98.4	98.5	7.9	7.9	4.7		7		-				-		-	
						7.8	0.1	348	16.2		8.2		32.7		98.6		7.9		4.7		7		-				-		-	
SR8	Misty	Calm	19:57	4.8	Surface	1.0	-	-	17.3	17.4	8.1	8.1	33.1	33.1	104.3	104.4	8.2	8.2	3.4	3.9	3	3	-	-	820396	811642	-	-	-	-
						1.0	-	-	17.4		8.1		33.1		104.5		8.2		3.3		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	17.4	17.4	8.1	8.1	33.0	33.0	105.8	106.0	8.3	8.3	4.5		3		-				-		-	
						3.8	-	-	17.4		8.1		33.0		106.1		8.3		4.4		2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	08:54	8.4	Surface	1.0	0.1	221	16.6	16.6	8.1	8.1	32.9	32.9	96.9	96.9	7.8	7.8	2.0	3.2	4	3	47	48	815613	804265	<0.2	<0.2	0.3	0.3
						1.0	0.0	224	16.6		8.1		32.9		96.9		7.7		2.0		4		46				<0.2		0.3	
					Middle	4.2	0.1	197	16.5	16.5	8.2	8.2	32.9	32.9	97.2	97.3	7.8		3.0		4		47				<0.2		0.4	
						4.2	0.1	195	16.5		8.2		32.9		97.3		7.8		3.0		3		48				<0.2		0.3	
					Bottom	7.4	0.1	204	16.5	16.5	8.2	8.2	32.9	32.9	98.4	98.5	7.9	7.9	4.5		3		50				<0.2		0.3	
						7.4	0.1	207	16.5		8.2		32.9		98.5		7.9		5.0		2		51				<0.2		0.3	
C2	Cloudy	Moderate	10:08	11.4	Surface	1.0	0.1	195	16.4	16.4	8.1	8.1	32.3	32.3	95.8	95.9	7.7	7.7	0.8	1.5	<2	<2	45	48	825678	806948	<0.2	<0.2	0.5	0.6
						1.0	0.1	197	16.4		8.1		32.3		95.9		7.7		0.9		<2		46				<0.2		0.5	
					Middle	5.7	0.2	189	16.4	16.4	8.1	8.1	32.3	32.3	96.1	96.1	7.7		1.3		<2		47				<0.2		0.5	
						5.7	0.2	194	16.4		8.1		32.3		96.1		7.7		1.3		<2		48				<0.2		0.6	
					Bottom	10.4	0.1	201	16.3	16.3	8.1	8.1	32.3	32.3	96.5	96.6	7.8	7.8	2.2		<2		51				<0.2		0.6	
						10.4	0.2	202	16.3		8.1		32.3		96.6		7.8		2.4		<2		50				<0.2		0.6	
C3	Misty	Calm	08:24	12.0	Surface	1.0	0.0	56	17.3	17.3	8.0	8.0	33.2	33.2	100.4	100.6	7.9	7.9	2.1	3.2	3	3	44	72	822127	817784	0.2	0.2	0.5	0.5
						1.0	0.0	55	17.3		8.0		33.2		100.7		7.9		2.2		2		44				0.2		0.5	
					Middle	6.0	0.1	55	17.3	17.3	8.0	7.9	33.2	33.2	101.0	101.1	7.9		3.3		3		86				<0.2		0.5	
						6.0	0.1	62	17.3		7.9		33.2		101.2		8.0		3.4		2		86				<0.2		0.6	
					Bottom	11.0	0.1	73	17.3	17.2	7.9	7.8	33.2	33.1	101.7	107.0	8.0	8.0	4.0		3		86				0.2		0.6	
						11.0	0.1	78	17.0		7.6		33.1		112.2		8.0		4.1		3		87				0.2		0.5	
IM1	Cloudy	Moderate	09:14	6.1	Surface	1.0	0.1	189	16.3	16.3	8.2	8.2	32.7	32.7	97.4	97.4	7.8	7.9	2.8	4.0	5	5	47	49	818346	806460	<0.2	<0.2	0.4	0.4
						1.0	0.1	192	16.3		8.2		32.7		97.4		7.8		2.8		6		46				<0.2		0.4	
					Middle	3.1	0.1	173	16.2	16.2	8.1	8.1	32.7	32.7	97.6	97.7	7.9		4.0		5		48				<0.2		0.4	
						3.1	0.2	177	16.2		8.1		32.7		97.7		7.9		4.1		6		48				<0.2		0.4	
					Bottom	5.1	0.1	186	16.2	16.2	8.1	8.1	32.7	32.7	98.7	98.8	8.0	8.0	5.1		4		51				<0.2		0.4	
						5.1	0.1	187	16.2		8.1		32.7		98.8		8.0		5.5		5		51				<0.2		0.4	
IM2	Cloudy	Moderate	09:20	6.6	Surface	1.0	0.2	202	16.3	16.3	8.2	8.2	32.6	32.6	97.0	97.0	7.8	7.8	2.3	3.5	5	5	46	49	819164	806236	<0.2	<0.2	0.4	0.4
						1.0	0.2	199	16.3		8.2		32.6		97.0		7.8		2.3		4		47				<0.2		0.4	
					Middle	3.3	0.2	225	16.3	16.3	8.2	8.2	32.7	32.7	96.6	96.6	7.8		3.2		5		48				<0.2		0.4	
						3.3	0.2	219	16.3		8.2		32.7		96.6		7.8		3.2		4		47				<0.2		0.4	
					Bottom	5.6	0.2	224	16.3	16.3	8.1	8.1	32.7	32.7	96.7	96.7	7.8	7.8	4.9		5		52				<0.2		0.4	
						5.6	0.2	229	16.3		8.2		32.7		96.7		7.8		5.0		6		51				<0.2		0.4	
IM7	Cloudy	Moderate	09:41	7.6	Surface	1.0	0.2	233	16.2	16.2	8.1	8.1	32.3	32.3	96.9	96.9	7.8	7.8	0.9	1.9	3	3	46	48	821358	806847	<0.2	<0.2	0.5	0.5
						1.0	0.2	240	16.2		8.1		32.3		96.9		7.8		0.9		2		47				<0.2		0.5	
					Middle	3.8	0.1	212	16.2	16.2	8.1	8.1	32.6	32.6	97.0	97.1	7.8		1.9		2		47				<0.2		0.5	
						3.8	0.1	208	16.2		8.1		32.6		97.1		7.8		2.0		3		48				<0.2		0.5	
					Bottom	6.6	0.1	209	16.2	16.2	8.1	8.1	32.7	32.7	98.2	98.3	7.9	7.9	3.0		3		51				<0.2		0.5	
						6.6	0.1	211	16.2		8.1		32.7		98.3		7.9		3.0		3		51				<0.2		0.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 February 22 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		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
IM10	Misty	Calm	09:36	7.4	Surface	1.0	0.1	134	16.9	16.9	8.1	8.1	33.1	33.1	102.7	102.7	8.2	8.1	1.2	2.6	3	3	48	75	822232	809850	<0.2	0.2	0.5	0.5
						1.0	0.1	133	16.9		8.1		33.1		102.6		8.1		1.3		4		49				<0.2		0.5	
					Middle	3.7	0.1	149	16.9	16.9	8.1	8.1	33.1	33.1	102.5	102.6	8.1		2.7		2		86				<0.2		0.5	
						3.7	0.1	148	16.9		8.1		33.1		102.6		8.1		2.6		3		86				<0.2		0.6	
					Bottom	6.4	0.1	121	16.8	16.8	8.1	8.1	33.2	33.2	102.6	102.7	8.2	8.2	4.0		2		89				0.2		0.5	
						6.4	0.1	116	16.8		8.1		33.2		102.7		8.2		4.0		3		89				0.2		0.6	
IM11	Misty	Calm	09:29	7.6	Surface	1.0	0.1	140	17.2	17.2	8.1	8.1	33.1	33.1	101.5	101.5	8.0	8.1	2.1	3.3	2	2	52	77	821512	810535	<0.2	<0.2	0.5	0.5
						1.0	0.1	144	17.2		8.1		33.1		101.5		8.0		2.2		2		53				<0.2		0.4	
					Middle	3.8	0.0	137	17.2	17.2	8.1	8.1	33.0	33.0	102.0	102.1	8.1		3.3		2		87				<0.2		0.5	
						3.8	0.0	140	17.2		8.1		33.1		102.1		8.1		3.3		3		87				<0.2		0.5	
					Bottom	6.6	0.1	108	17.0	17.0	8.1	8.1	33.2	33.2	102.5	102.5	8.1	8.1	4.4		2		90				<0.2		0.4	
						6.6	0.0	107	16.9		8.1		33.2		102.5		8.1		4.3		2		90				<0.2		0.5	
IM12	Misty	Calm	09:22	8.4	Surface	1.0	0.1	98	17.3	17.3	8.1	8.1	33.1	33.1	99.3	99.3	7.8	7.8	3.4	4.3	3	3	46	73	821166	811499	0.2	0.2	0.5	0.6
						1.0	0.1	91	17.3		8.1		33.1		99.3		7.8		3.4		2		45				0.2		0.6	
					Middle	4.2	0.1	113	17.3	17.3	8.1	8.1	33.1	33.1	99.0	99.0	7.8		4.5		3		86				0.2		0.6	
						4.2	0.1	113	17.3		8.1		33.1		98.9		7.8		4.4		2		86				0.2		0.6	
					Bottom	7.4	0.1	121	17.3	17.3	8.1	8.1	33.0	33.0	99.3	99.4	7.8	7.8	5.0		2		87				<0.2		0.5	
						7.4	0.1	115	17.3		8.1		33.0		99.5		7.8		5.1		3		87				<0.2		0.6	
SR1A	Misty	Calm	08:59	5.0	Surface	1.0	0.0	150	17.1	17.1	8.1	8.1	33.0	33.0	100.4	100.5	7.9	8.0	1.9	2.4	2	2	-	-	819981	812659	-	-	-	-
						1.0	0.0	149	17.1		8.1		33.0		100.6		8.0		1.9		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	150	17.1	17.1	8.1	8.1	33.1	33.1	101.4	101.5	8.0	8.0	2.9		2		-				-		-	
						4.0	0.0	152	17.0		8.1		33.1		101.5		8.0		2.9		3		-				-		-	
SR2	Misty	Calm	08:45	5.0	Surface	1.0	0.1	34	17.4	17.4	8.0	8.0	33.1	33.1	98.6	98.7	7.8	7.8	3.1	3.6	2	2	44	65	821484	814180	<0.2	<0.2	0.5	0.5
						1.0	0.1	40	17.4		8.0		33.1		98.7		7.8		3.2		<2		43				<0.2		0.4	
					Middle	-	0.1	15	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	12	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	14	17.4	17.4	8.0	8.0	33.1	33.1	98.9	98.9	7.8	7.8	4.0		3		87				<0.2		0.5	
						4.0	0.1	10	17.4		8.0		33.1		98.9		7.8		4.1		2		87				<0.2		0.5	
SR3	Cloudy	Moderate	09:48	8.7	Surface	1.0	0.2	160	16.2	16.2	8.1	8.1	32.3	32.3	97.1	97.1	7.8	7.8	1.2	1.9	3	3	-	-	822132	807562	-	-	-	-
						1.0	0.2	161	16.2		8.1		32.3		97.0		7.8		1.2		3		-				-		-	
					Middle	4.4	0.2	179	16.2	16.2	8.1	8.1	32.4	32.4	95.1	95.1	7.7		1.7		3		-				-		-	
						4.4	0.2	186	16.2		8.1		32.4		95.0		7.7		1.8		4		-				-		-	
					Bottom	7.7	0.2	148	16.3	16.3	8.1	8.1	32.5	32.5	97.6	97.7	7.9	7.9	2.7		3		-				-		-	
						7.7	0.3	145	16.3		8.1		32.5		97.8		7.9		2.7		4		-				-		-	
SR4A	Cloudy	Moderate	08:34	8.2	Surface	1.0	0.0	291	16.3	16.3	8.1	8.1	32.7	32.7	95.9	95.9	7.7	7.7	10.9	7.2	8	8	-	-	817185	807824	-	-	-	-
						1.0	0.1	289	16.3		8.1		32.7		95.9		7.7		11.0		7		-				-		-	
					Middle	4.1	-	286	16.2	16.2	8.1	8.1	32.7	32.7	95.6	95.6	7.7		5.3		9		-				-		-	
						4.1	-	283	16.2		8.1		32.7		95.6		7.7		5.2		8		-				-		-	
					Bottom	7.2	0.0	291	16.2	16.2	8.0	8.0	32.7	32.7	95.7	95.8	7.7	7.7	5.3		9		-				-		-	
						7.2	0.0	291	16.2		8.0		32.7		95.8		7.7		5.3		9		-				-		-	
SR8	Misty	Calm	09:17	5.0	Surface	1.0	-	-	17.2	17.2	8.1	8.1	33.1	33.1	102.6	102.6	8.1	8.1	3.8	3.9	4	4	-	-	820368	811603	-	-	-	-
						1.0	-	-	17.1		8.1		33.1		102.6		8.1		3.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	17.0	17.0	8.1	8.1	33.3	33.3	102.8	102.8	8.1	8.1	4.1		5		-				-		-	
						4.0	-	-	16.9		8.1		33.3		102.8		8.1		4.1		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	22:55	7.9	Surface	1.0	0.5	217	18.8	18.8	8.2	8.2	31.1	31.1	106.0	106.1	8.2	8.2	3.5	4.4	<2	<2	82	86	815640	804239	<0.2	<0.2	0.8	0.9
						1.0	0.5	215	18.8		8.2		31.1		106.1		8.2		3.4		<2		82				<0.2		0.8	
					Middle	4.0	0.5	197	18.0	18.0	8.3	8.3	32.0	32.0	104.7	104.7	8.2		3.8		<2		86				<0.2		0.8	
						4.0	0.5	203	18.0		8.3		32.0		104.7		8.2		3.8		<2		87				<0.2		0.7	
					Bottom	6.9	0.5	215	17.9	17.9	8.3	8.3	32.8	32.8	101.6	101.6	7.9	7.9	5.8		<2		90				<0.2		1.2	
						6.9	0.5	221	17.9		8.3		32.8		101.6		7.9		5.9		<2		90				<0.2		1.2	
C2	Fine	Rough	21:30	10.4	Surface	1.0	0.5	173	18.3	18.3	8.2	8.2	28.0	28.0	104.5	104.5	8.3	8.2	3.3	3.6	<2	<2	82	87	825688	806957	<0.2	<0.2	1.7	1.8
						1.0	0.4	169	18.3		8.2		28.0		104.5		8.3		3.3		<2		83				<0.2		1.8	
					Middle	5.2	0.4	188	17.9	17.9	8.2	8.2	30.5	30.5	102.1	102.1	8.1		3.4		<2		86				<0.2		1.8	
						5.2	0.4	188	17.9		8.2		30.5		102.1		8.1		3.4		<2		86				<0.2		1.7	
					Bottom	9.4	0.4	152	17.7	17.7	8.2	8.2	32.4	32.4	96.4	96.4	7.6	7.6	4.3		<2		91				<0.2		1.8	
						9.4	0.4	156	17.7		8.2		32.4		96.3		7.6		4.3		<2		91				<0.2		1.8	
C3	Cloudy	Moderate	22:56	11.7	Surface	1.0	0.4	82	17.5	17.5	8.2	8.2	32.4	32.4	93.1	93.0	7.3	7.3	3.8	3.7	4	3	47	49	822107	817802	<0.2	<0.2	2.0	1.9
						1.0	0.3	82	17.4		8.2		32.5		92.8		7.3		3.8		3		46				<0.2		2.1	
					Middle	5.9	0.4	70	17.2	17.2	8.2	8.2	32.5	32.5	90.8	90.8	7.2		3.7		3		49				<0.2		2.0	
						5.9	0.4	63	17.2		8.2		32.5		90.8		7.2		3.7		4		49				<0.2		2.1	
					Bottom	10.7	0.3	47	17.2	17.2	8.2	8.2	32.6	32.6	92.8	92.9	7.3	7.4	3.8		3		51				<0.2		1.6	
						10.7	0.3	44	17.1		8.2		32.6		92.9		7.4		3.8		2		52				<0.2		1.5	
IM1	Fine	Rough	22:32	7.8	Surface	1.0	0.4	182	18.1	18.1	8.2	8.2	31.9	31.9	105.8	105.8	8.3	8.3	3.8	4.8	<2	**<u><2</u>**	79	86	818328	806470	<0.2	<0.2	0.8	0.8
						1.0	0.4	183	18.1		8.2		31.9		105.7		8.3		3.8		<2		79				<0.2		0.8	
					Middle	3.9	0.4	183	18.1	18.1	8.2	8.2	32.0	32.0	104.9	104.9	8.2		4.4		<2		87				<0.2		0.9	
						3.9	0.3	190	18.1		8.2		32.0		104.8		8.2		4.4		<2		87				<0.2		0.8	
					Bottom	6.8	0.3	188	17.9	17.9	8.3	8.3	32.7	32.7	100.9	100.9	7.9	7.9	6.2		<2		91				<0.2		0.8	
						6.8	0.3	184	17.9		8.3		32.7		100.9		7.9		6.3		<2		91				<0.2		0.9	
IM2	Fine	Rough	22:26	7.9	Surface	1.0	0.4	197	18.2	18.2	8.3	8.3	31.8	31.9	105.4	105.3	8.2	8.2	3.7	4.0	<2	2	84	88	819170	806222	<0.2	<0.2	0.9	0.8
						1.0	0.4	200	18.1		8.3		31.9		105.2		8.2		3.7		<2		85				<0.2		1.0	
					Middle	4.0	0.4	207	17.9	17.9	8.3	8.3	32.5	32.5	104.5	104.5	8.2		4.4		2		88				<0.2		0.7	
						4.0	0.4	201	17.9		8.3		32.5		104.4		8.2		4.4		2		88				<0.2		0.7	
					Bottom	6.9	0.3	192	17.9	17.9	8.3	8.3	32.6	32.6	104.1	104.1	8.1	8.1	3.9		2		91				<0.2		0.7	
						6.9	0.3	188	17.9		8.3		32.6		104.0		8.1		3.9		2		91				<0.2		0.8	
IM7	Fine	Rough	22:05	8.6	Surface	1.0	0.2	170	18.3	18.3	8.2	8.2	27.8	27.8	103.3	103.3	8.2	8.0	3.3	3.8	<2	2	83	86	821369	806851	<0.2	<0.2	0.9	0.9
						1.0	0.2	163	18.3		8.2		27.8		103.3		8.2		3.3		<2		83				<0.2		0.8	
					Middle	4.3	0.2	171	17.8	17.8	8.2	8.2	32.2	32.1	98.6	98.6	7.7		4.0		3		86				<0.2		0.8	
						4.3	0.2	175	17.8		8.2		32.1		98.6		7.7		4.0		2		86				<0.2		0.8	
					Bottom	7.6	0.2	181	17.8	17.8	8.2	8.2	32.2	32.2	98.1	98.1	7.7	7.7	4.2		3		90				<0.2		0.9	
						7.6	0.3	179	17.8		8.2		32.2		98.1		7.7		4.2		2		90				<0.2		0.9	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
<u>Value exceeding Action Level is underlined</u>; **<u>Value exceeding Limit Level is bolded and underlined</u>**
Note: The DCM monitoring was resumed starting from 11 January 2022.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 February 22 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		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
IM10	Cloudy	Moderate	21:25	7.8	Surface	1.0	0.4	100	17.4	17.4	8.2	8.2	27.3	27.3	101.4	101.4	8.3	7.9	3.6	4.0	3	3	46	49	822239	809834	<0.2	<0.2	2.4	2.1
						1.0	0.4	94	17.4		8.2		27.3		101.3		8.2		3.6		2		47				<0.2		2.4	
					Middle	3.9	0.4	87	17.1	17.1	8.2	8.2	31.5	31.5	95.1	95.0	7.6		4.1		3		49				<0.2		2.3	
						3.9	0.4	83	17.1		8.2		31.6		94.9		7.6		4.1		2		48				<0.2		2.3	
					Bottom	6.8	0.4	127	17.1	17.1	8.2	8.2	31.9	31.9	95.2	95.2	7.6	7.6	4.4		2		51				<0.2		1.6	
						6.8	0.4	133	17.1		8.2		31.9		95.2		7.6		4.2		3		52				<0.2		1.5	
IM11	Cloudy	Moderate	21:54	7.3	Surface	1.0	0.5	94	17.3	17.3	8.3	8.3	28.8	28.8	99.2	99.1	8.0	7.8	4.0	5.0	3	3	48	50	821515	810559	<0.2	<0.2	2.4	2.0
						1.0	0.5	95	17.3		8.3		28.8		98.9		8.0		4.1		3		49				<0.2		2.3	
					Middle	3.7	0.5	109	17.2	17.2	8.3	8.3	31.8	31.8	96.1	96.1	7.6		5.4		3		50				<0.2		1.6	
						3.7	0.5	102	17.2		8.3		31.8		96.0		7.6		5.4		3		48				<0.2		1.6	
					Bottom	6.3	0.6	109	17.2	17.2	8.3	8.3	32.0	32.0	96.2	96.3	7.6	7.7	5.4		2		52				<0.2		2.2	
						6.3	0.5	112	17.2		8.3		32.0		96.3		7.7		5.5		2		53				<0.2		2.1	
IM12	Cloudy	Moderate	22:00	7.8	Surface	1.0	0.5	88	17.4	17.4	8.2	8.2	27.8	27.9	102.2	102.2	8.3	8.0	3.7	3.9	3	3	48	50	821174	811528	<0.2	<0.2	1.7	1.8
						1.0	0.6	91	17.3		8.2		27.9		102.1		8.3		3.8		4		48				<0.2		1.7	
					Middle	3.9	0.6	89	17.2	17.2	8.2	8.2	31.5	31.6	97.2	97.1	7.7		3.8		2		50				<0.2		1.8	
						3.9	0.6	84	17.2		8.2		31.7		97.0		7.7		3.8		2		49				<0.2		1.8	
					Bottom	6.8	0.5	92	17.1	17.1	8.2	8.2	32.2	32.1	96.8	96.9	7.7	7.7	4.2		<2		52				<0.2		1.9	
						6.8	0.5	88	17.1		8.2		32.1		97.0		7.7		4.2		<2		54				<0.2		2.0	
SR1A	Cloudy	Moderate	22:25	5.2	Surface	1.0	-	101	17.3	17.3	8.2	8.2	31.3	31.3	97.4	97.3	7.8	7.8	4.6	4.7	4	4	-	-	819971	812659	-	-	-	-
						1.0	0.1	98	17.3		8.2		31.4		97.2		7.7		4.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.0	75	17.2	17.2	8.2	8.2	31.8	31.7	97.2	97.3	7.7	7.7	4.8		3		-				-		-	
						4.2	0.0	68	17.2		8.2		31.7		97.3		7.7		4.7		2		-				-		-	
SR2	Cloudy	Moderate	22:37	4.1	Surface	1.0	0.4	33	17.6	17.6	8.2	8.2	29.5	29.6	102.9	102.8	8.2	8.2	3.6	3.7	2	2	49	50	821469	814154	<0.2	<0.2	1.9	1.9
						1.0	0.4	27	17.6		8.2		29.6		102.7		8.2		3.7		2		48				<0.2		1.9	
					Middle	-	0.4	50	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.5	50	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.4	58	17.5	17.5	8.2	8.2	30.3	30.3	101.1	101.0	8.1	8.1	3.8		3		51				<0.2		1.9	
						3.1	0.5	52	17.5		8.2		30.4		100.8		8.0		3.8		2		52				<0.2		2.0	
SR3	Fine	Rough	21:59	9.5	Surface	1.0	0.4	169	18.2	18.2	8.2	8.2	27.3	27.2	103.1	103.1	8.3	8.0	3.4	3.9	<2	<2	-	-	822140	807589	-	-	-	-
						1.0	0.5	166	18.2		8.2		27.2		103.1		8.3		3.4		<2		-				-		-	
					Middle	4.8	0.4	165	17.8	17.8	8.2	8.2	31.7	31.7	97.8	97.8	7.7		3.9		<2		-				-		-	
						4.8	0.4	162	17.8		8.2		31.7		97.8		7.7		3.9		<2		-				-		-	
					Bottom	8.5	0.5	142	17.7	17.7	8.2	8.2	32.0	32.0	96.0	96.0	7.6	7.6	4.5		<2		-				-		-	
						8.5	0.4	140	17.7		8.2		32.0		96.0		7.6		4.4		<2		-				-		-	
SR4A	Fine	Moderate	23:25	9.9	Surface	1.0	0.0	37	18.2	18.2	8.3	8.3	31.8	31.8	104.4	104.4	8.1	8.1	3.8	4.6	<2	<2	-	-	817176	807816	-	-	-	-
						1.0	0.0	29	18.2		8.3		31.8		104.4		8.1		3.8		<2		-				-		-	
					Middle	5.0	0.1	61	18.0	18.0	8.3	8.3	32.1	32.1	102.7	102.7	8.0		4.6		<2		-				-		-	
						5.0	0.0	55	18.0		8.3		32.1		102.7		8.0		4.6		<2		-				-		-	
					Bottom	8.9	0.0	28	17.8	17.8	8.3	8.3	32.4	32.4	100.4	100.4	7.9	7.9	5.3		<2		-				-		-	
						8.9	0.1	24	17.8		8.3		32.4		100.4		7.9		5.3		<2		-				-		-	
SR8	Cloudy	Moderate	22:05	4.7	Surface	1.0	-	-	17.7	17.7	8.3	8.3	30.1	30.2	100.4	100.4	8.0	8.0	4.1	4.3	2	2	-	-	820396	811641	-	-	-	-
						1.0	-	-	17.7		8.3		30.2		100.4		8.0		4.1		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	17.8	17.8	8.3	8.3	31.0	31.0	100.2	100.2	7.9	7.9	4.4		<2		-				-		-	
						3.7	-	-	17.8		8.3		31.0		100.2		7.9		4.4		<2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Rough	11:08	6.9	Surface	1.0	0.0	202	18.1	18.1	8.2	8.2	31.6	31.6	102.8	102.8	8.1	8.0	5.9	7.5	2	3	79	85	815633	804227	<0.2	<0.2	0.9	0.9
						1.0	0.0	206	18.1		8.2		31.6		102.8		8.1		5.9		3		79				<0.2		0.9	
					Middle	3.5	0.1	181	17.8	17.8	8.2	8.2	32.8	32.8	100.6	100.6	7.9		7.3		2		86				<0.2		0.9	
						3.5	0.1	181	17.8		8.2		32.8		100.6		7.9		7.3		3		86				<0.2		0.9	
					Bottom	5.9	0.0	191	17.8	17.8	8.2	8.2	32.8	32.8	100.1	100.1	7.8	7.8	9.4		3		90				<0.2		0.8	
						5.9	0.0	193	17.8		8.2		32.8		100.1		7.8		9.4		2		90				<0.2		0.9	
C2	Sunny	Rough	12:21	9.7	Surface	1.0	0.0	342	18.2	18.2	8.2	8.2	27.4	27.4	102.7	102.7	8.2	8.0	5.6	5.9	<2	<2	83	87	825670	806952	<0.2	<0.2	1.8	1.8
						1.0	0.0	337	18.2		8.2		27.4		102.7		8.2		5.6		<2		83				<0.2		1.8	
					Middle	4.9	0.0	332	17.7	17.7	8.2	8.2	31.6	31.6	97.3	97.3	7.7		6.2		<2		86				<0.2		1.8	
						4.9	0.0	328	17.7		8.2		31.6		97.3		7.7		6.3		<2		86				<0.2		1.8	
					Bottom	8.7	0.0	318	17.6	17.6	8.2	8.2	32.2	32.2	96.9	96.9	7.6	7.6	5.8		<2		91				<0.2		1.8	
						8.7	0.0	322	17.6		8.2		32.2		96.9		7.6		5.8		<2		91				<0.2		1.9	
C3	Cloudy	Moderate	10:04	11.6	Surface	1.0	0.0	237	17.2	17.2	8.1	8.1	32.6	32.6	89.1	89.1	7.1	7.1	4.0	5.4	2	3	47	50	822110	817805	<0.2	<0.2	2.4	2.2
						1.0	0.0	233	17.2		8.1		32.6		89.0		7.1		4.1		3		48				<0.2		2.6	
					Middle	5.8	0.0	213	17.1	17.1	8.1	8.1	32.6	32.6	88.6	88.6	7.0		4.6		2		50				<0.2		1.9	
						5.8	0.0	216	17.1		8.1		32.6		88.5		7.0		4.7		3		49				<0.2		1.9	
					Bottom	10.6	0.0	226	17.1	17.1	8.1	8.1	32.6	32.6	88.4	88.4	7.0	7.0	7.1		3		52				<0.2		2.2	
						10.6	0.0	229	17.1		8.1		32.6		88.4		7.0		8.1		4		52				<0.2		2.0	
IM1	Sunny	Moderate	11:23	6.7	Surface	1.0	0.0	142	18.1	18.1	8.2	8.2	31.7	31.7	103.2	103.2	8.1	8.1	5.8	6.1	2	3	82	86	818354	806439	<0.2	<0.2	0.9	0.9
						1.0	0.1	144	18.1		8.2		31.7		103.2		8.1		5.8		3		82				<0.2		0.9	
					Middle	3.4	0.0	141	17.9	17.9	8.2	8.2	32.0	32.0	102.6	102.6	8.0		6.1		6		87				<0.2		0.9	
						3.4	-	140	17.9		8.2		32.0		102.6		8.0		6.1		2		87				<0.2		0.9	
					Bottom	5.7	0.0	164	17.8	17.8	8.2	8.2	32.5	32.5	100.7	100.7	7.9	7.9	6.4		2		90				<0.2		0.7	
						5.7	0.1	164	17.8		8.2		32.5		100.7		7.9		6.5		2		90				<0.2		0.8	
IM2	Sunny	Moderate	11:29	8.4	Surface	1.0	0.1	210	18.1	18.1	8.2	8.2	31.7	31.7	102.5	102.5	8.0	8.0	5.8	7.0	<2	2	79	83	819177	806216	<0.2	<0.2	1.9	1.9
						1.0	0.1	217	18.1		8.2		31.7		102.5		8.0		5.8		<2		79				<0.2		1.9	
					Middle	4.2	0.1	178	17.8	17.8	8.3	8.3	32.6	32.6	101.0	101.0	7.9		6.2		2		83				<0.2		1.8	
						4.2	0.1	175	17.8		8.3		32.6		101.0		7.9		6.2		2		83				<0.2		1.9	
					Bottom	7.4	0.0	174	17.7	17.7	8.3	8.3	32.9	32.9	99.1	99.2	7.8	7.8	8.9		2		87				<0.2		2.0	
						7.4	0.0	172	17.7		8.3		32.9		99.2		7.8		8.9		2		87				<0.2		2.0	
IM7	Sunny	Rough	11:51	8.7	Surface	1.0	0.0	104	18.3	18.3	8.2	8.2	27.8	27.8	102.1	102.1	8.1	7.9	5.3	5.7	2	2	82	87	821356	806824	<0.2	<0.2	1.8	1.8
						1.0	0.1	102	18.3		8.2		27.8		102.1		8.1		5.3		2		82				<0.2		1.7	
					Middle	4.4	0.0	122	17.8	17.8	8.2	8.2	32.1	32.1	98.0	98.0	7.7		5.6		2		86				<0.2		2.0	
						4.4	0.0	129	17.8		8.2		32.1		98.0		7.7		5.7		2		87				<0.2		1.9	
					Bottom	7.7	0.0	115	17.8	17.9	8.3	8.3	32.2	32.2	97.5	97.5	7.6	7.6	6.2		2		91				<0.2		1.7	
						7.7	0.0	119	17.9		8.3		32.2		97.5		7.6		6.2		3		91				<0.2		1.8	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 12 February 22 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		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
IM10	Cloudy	Moderate	11:43	7.5	Surface	1.0	0.0	119	17.4	17.4	8.2	8.2	27.3	27.3	100.3	100.1	8.2	7.9	3.6	4.2	<2	2	48	50	822243	809846	<0.2	<0.2	1.6	2.0
						1.0	0.0	116	17.4		8.2		27.3		99.9		8.1		3.7		<2		48				<0.2		1.8	
					Middle	3.8	0.0	98	17.1	17.1	8.2	8.2	31.1	31.1	96.7	96.7	7.7		4.1		2		50				<0.2		2.1	
						3.8	0.0	101	17.1		8.2		31.1		96.6		7.7		4.1		2		49				<0.2		2.2	
					Bottom	6.5	0.0	126	17.1	17.1	8.2	8.2	32.0	32.0	95.5	95.6	7.6	7.6	4.6		2		52				<0.2		2.2	
						6.5	0.0	123	17.1		8.2		32.0		95.6		7.6		5.0		2		53				<0.2		2.2	
IM11	Cloudy	Moderate	11:35	7.8	Surface	1.0	0.0	147	17.4	17.4	8.2	8.2	28.1	28.1	100.8	100.8	8.2	8.0	3.8	5.2	<2	2	47	49	821481	810528	<0.2	<0.2	2.5	2.3
						1.0	0.0	154	17.4		8.2		28.1		100.7		8.2		3.8		<2		48				<0.2		2.6	
					Middle	3.9	0.1	116	17.2	17.2	8.2	8.2	31.2	31.2	97.9	97.9	7.8		5.9		3		49				<0.2		2.2	
						3.9	0.1	117	17.2		8.2		31.3		97.8		7.8		6.3		2		48				<0.2		2.2	
					Bottom	6.8	0.1	114	17.2	17.2	8.2	8.2	32.1	32.1	95.9	96.0	7.6	7.6	5.7		3		52				<0.2		2.2	
						6.8	0.1	109	17.2		8.2		32.1		96.0		7.6		5.8		2		52				<0.2		2.1	
IM12	Cloudy	Moderate	11:26	8.2	Surface	1.0	0.0	109	17.4	17.4	8.2	8.2	28.5	28.5	101.2	101.2	8.2	8.0	3.7	4.0	<2	2	46	48	821171	811540	<0.2	<0.2	2.7	2.4
						1.0	0.0	110	17.4		8.2		28.5		101.2		8.2		3.7		<2		47				<0.2		2.7	
					Middle	4.1	0.1	110	17.2	17.2	8.2	8.2	31.9	31.9	97.1	97.0	7.7		4.0		<2		48				<0.2		2.4	
						4.1	0.1	108	17.1		8.2		31.9		96.8		7.7		4.0		<2		47				<0.2		2.4	
					Bottom	7.2	0.1	138	17.1	17.1	8.2	8.2	32.2	32.2	95.5	95.5	7.6	7.6	4.4		2		51				<0.2		2.0	
						7.2	0.0	135	17.1		8.2		32.2		95.5		7.6		4.4		2		51				<0.2		2.0	
SR1A	Cloudy	Moderate	10:47	5.1	Surface	1.0	0.0	174	17.1	17.1	8.2	8.2	31.2	31.3	96.1	96.1	7.7	7.7	4.5	4.7	3	3	-	-	819973	812661	-	-	-	-
						1.0	0.0	167	17.1		8.2		31.4		96.0		7.7		4.5		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	158	17.1	17.1	8.2	8.2	32.0	32.0	96.0	96.1	7.6	7.6	5.0		2		-				-		-	
						4.1	-	162	17.1		8.2		32.0		96.1		7.6		4.9		3		-				-		-	
SR2	Cloudy	Moderate	10:26	3.7	Surface	1.0	0.1	9	17.1	17.1	8.1	8.1	31.5	31.6	98.4	98.4	7.8	7.8	3.6	3.7	<2	2	48	50	821477	814172	<0.2	<0.2	2.6	2.3
						1.0	0.1	13	17.1		8.1		31.6		98.3		7.8		3.6		<2		49				<0.2		2.4	
					Middle	-	0.1	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	356	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	6	17.1	17.1	8.1	8.1	31.8	31.8	98.3	98.3	7.8	7.8	3.7		2		51				<0.2		2.1	
						2.7	0.1	5	17.1		8.1		31.8		98.3		7.8		3.7		3		50				<0.2		2.1	
SR3	Sunny	Rough	11:57	8.9	Surface	1.0	0.1	177	18.2	18.2	8.2	8.2	27.2	27.2	102.4	102.4	8.2	8.0	5.3	6.1	<2	2	-	-	822164	807577	-	-	-	-
						1.0	0.1	180	18.2		8.2		27.2		102.4		8.2		5.3		<2		-				-		-	
					Middle	4.5	0.1	180	17.8	17.8	8.2	8.2	31.6	31.6	97.5	97.5	7.7		5.9		2		-				-		-	
						4.5	0.0	180	17.8		8.2		31.6		97.4		7.7		5.9		3		-				-		-	
					Bottom	7.9	0.0	183	17.7	17.7	8.2	8.2	32.0	32.0	97.1	97.2	7.6	7.6	7.2		2		-				-		-	
						7.9	0.0	182	17.7		8.2		32.0		97.2		7.6		7.2		3		-				-		-	
SR4A	Sunny	Moderate	10:39	9.8	Surface	1.0	0.0	291	17.9	17.9	8.2	8.2	31.7	31.7	102.3	102.3	8.0	8.0	5.9	6.6	2	4	-	-	817188	807799	-	-	-	-
						1.0	0.1	286	17.9		8.2		31.7		102.3		8.0		5.9		2		-				-		-	
					Middle	4.9	0.0	298	17.8	17.8	8.2	8.2	32.2	32.2	100.2	100.2	7.9		6.6		4		-				-		-	
						4.9	0.0	301	17.8		8.2		32.2		100.2		7.9		6.6		5		-				-		-	
					Bottom	8.8	0.0	288	17.8	17.8	8.2	8.2	32.5	32.5	98.9	98.9	7.7	7.7	7.5		4		-				-		-	
						8.8	0.0	283	17.8		8.2		32.5		98.9		7.7		7.5		5		-				-		-	
SR8	Cloudy	Moderate	11:09	4.7	Surface	1.0	-	-	17.3	17.3	8.3	8.3	31.3	31.4	97.9	97.8	7.8	7.8	7.9	9.3	2	3	-	-	820381	811628	-	-	-	-
						1.0	-	-	17.3		8.3		31.4		97.7		7.8		8.6		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	17.2	17.2	8.3	8.3	32.1	32.1	96.5	96.4	7.7	7.7	10.4		3		-				-		-	
						3.7	-	-	17.2		8.3		32.1		96.2		7.6		10.6		2		-				-		-	

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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	12:17	8.3	Surface	1.0	0.1	189	18.2	18.2	8.3	8.3	32.3	32.3	102.5	102.5	8.0	7.9	2.2	5.3	2	4	47	49	815602	804227	0.3	0.3	0.5	0.5
						1.0	0.1	182	18.2		8.3		32.3		102.4		8.0		2.3		3		47				0.3		0.5	
					Middle	4.2	0.1	163	18.0	18.0	8.3	8.3	32.9	32.9	100.3	100.3	7.8		4.7		4		50				0.3		0.5	
						4.2	0.0	165	18.0		8.3		32.9		100.3		7.8		4.8		5		49				0.3		0.5	
					Bottom	7.3	0.0	177	18.0	18.0	8.2	8.2	32.9	32.9	99.0	99.0	7.7	7.7	8.9		4		51				0.3		0.5	
						7.3	0.0	179	18.0		8.2		32.9		99.0		7.7		8.9		5		52				0.3		0.5	
C2	Cloudy	Moderate	10:58	12.1	Surface	1.0	0.1	17	18.0	18.0	8.2	8.2	30.5	30.5	97.4	97.4	7.7	7.7	1.2	3.0	<2	2	46	49	825678	806926	0.3	0.3	0.9	0.9
						1.0	0.1	18	18.0		8.2		30.5		97.4		7.7		1.2		<2		47				0.3		0.9	
					Middle	6.1	0.1	14	18.0	18.0	8.2	8.2	30.8	30.8	98.0	98.0	7.7		1.6		2		48				0.3		0.8	
						6.1	0.1	13	18.0		8.2		30.8		98.0		7.7		1.7		2		49				0.2		0.9	
					Bottom	11.1	0.1	341	18.1	18.1	8.2	8.2	31.5	31.5	97.8	97.8	7.7	7.7	6.1		2		51				0.2		0.9	
						11.1	0.1	347	18.1		8.2		31.5		97.8		7.7		6.0		3		51				0.3		0.9	
C3	Misty	Calm	12:01	12.0	Surface	1.0	0.1	89	17.5	17.5	8.3	8.3	30.9	30.9	98.8	98.8	7.8	7.9	4.1	5.2	<2	3	52	74	822112	817821	0.3	0.3	0.8	0.8
						1.0	0.1	92	17.5		8.3		30.9		98.8		7.9		4.2		<2		52				0.2		0.8	
					Middle	6.0	0.2	86	17.5	17.5	8.3	8.3	30.9	30.9	99.0	99.0	7.9		5.6		4		82				0.3		0.9	
						6.0	0.2	84	17.5		8.3		30.9		99.0		7.9		5.5		3		82				0.3		0.8	
					Bottom	11.0	0.1	104	17.6	17.6	8.3	8.3	30.9	30.9	99.1	99.1	7.9	7.9	6.0		4		87				0.2		0.8	
						11.0	0.1	101	17.6		8.3		30.9		99.1		7.9		6.1		3		87				0.2		0.8	
IM1	Cloudy	Moderate	11:58	6.6	Surface	1.0	0.0	98	18.3	18.3	8.3	8.3	31.6	31.6	101.0	101.0	7.9	7.9	2.0	2.4	2	3	45	48	818345	806451	0.2	0.2	0.6	0.6
						1.0	0.1	98	18.3		8.3		31.6		101.0		7.9		2.0		2		45				0.2		0.6	
					Middle	3.3	0.0	78	18.2	18.2	8.3	8.3	31.7	31.7	100.6	100.5	7.8		2.3		3		48				<0.2		0.6	
						3.3	-	84	18.2		8.3		31.7		100.3		7.8		3.5		3		48				<0.2		0.6	
					Bottom	5.6	0.1	71	18.2	18.2	8.3	8.3	31.8	31.8	99.2	99.2	7.7	7.7	2.4		4		50				<0.2		0.6	
						5.6	0.0	73	18.2		8.3		31.8		99.2		7.7		2.4		5		49				<0.2		0.5	
IM2	Fine	Moderate	11:50	7.1	Surface	1.0	0.0	39	18.2	18.2	8.2	8.2	31.6	31.6	100.6	100.5	7.9	7.8	2.0	4.1	5	4	45	48	819186	806231	<0.2	<0.2	0.8	0.8
						1.0	0.0	32	18.2		8.3		31.6		100.4		7.8		2.3		4		45				<0.2		0.7	
					Middle	3.6	0.1	31	18.2	18.2	8.3	8.3	31.7	31.7	99.5	99.5	7.8		2.2		5		48				<0.2		0.8	
						3.6	0.0	30	18.1		8.3		31.7		99.4		7.8		2.2		4		48				<0.2		0.8	
					Bottom	6.1	0.1	52	18.2	18.2	8.3	8.3	31.9	31.9	98.2	98.1	7.7	7.7	7.9		3		50				<0.2		0.7	
						6.1	0.0	48	18.2		8.3		31.9		97.9		7.6		8.0		4		50				<0.2		0.7	
IM7	Fine	Moderate	11:29	8.8	Surface	1.0	0.2	51	18.1	18.1	8.2	8.2	30.5	30.5	98.4	98.3	7.8	7.7	0.8	1.3	<2	2	45	48	821368	806828	<0.2	<0.2	0.8	0.9
						1.0	0.2	55	18.1		8.2		30.5		98.2		7.7		0.9		<2		45				<0.2		0.8	
					Middle	4.4	0.2	54	18.1	18.1	8.2	8.2	31.3	31.3	97.5	97.4	7.6		1.5		<2		48				<0.2		0.9	
						4.4	0.2	51	18.1		8.2		31.3		97.3		7.6		1.5		<2		49				<0.2		0.9	
					Bottom	7.8	0.2	65	18.1	18.1	8.2	8.2	31.4	31.4	96.2	96.3	7.5	7.5	1.4		3		50				<0.2		0.9	
						7.8	0.3	62	18.1		8.2		31.4		96.3		7.5		1.6		2		50				<0.2		0.9	

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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		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
IM10	Misty	Calm	10:57	8.4	Surface	1.0	0.0	353	17.3	17.3	8.3	8.3	30.5	30.5	98.0	98.1	7.8	7.9	1.8	2.4	3	3	52	77	822232	809845	<0.2	<0.2	0.7	0.7
						1.0	0.0	357	17.3		8.3		30.5		98.1		7.8		1.8		3		52				<0.2		0.7	
					Middle	4.2	0.1	13	17.3	17.3	8.3	8.3	30.6	30.6	98.5	98.5	7.9		2.2		3		87				<0.2		0.7	
						4.2	0.1	13	17.3		8.3		30.6		98.5		7.9		2.2		2		88				<0.2		0.7	
					Bottom	7.4	0.0	12	17.3	17.3	8.3	8.3	30.6	30.6	99.3	99.4	7.9	7.9	3.1		2		90				<0.2		0.7	
						7.4	0.0	6	17.3		8.3		30.6		99.4		7.9		3.1		2		90				<0.2		0.7	
IM11	Misty	Calm	11:01	8.2	Surface	1.0	0.1	301	17.4	17.4	8.3	8.3	30.8	30.8	98.4	98.4	7.8	7.8	1.0	1.5	2	3	63	75	821505	810542	<0.2	<0.2	0.9	0.9
						1.0	0.1	298	17.3		8.3		30.9		98.4		7.8		1.1		2		63				<0.2		0.9	
					Middle	4.1	0.1	315	17.4	17.4	8.3	8.3	30.9	30.9	98.4	98.4	7.8		1.2		2		78				<0.2		0.9	
						4.1	0.1	312	17.4		8.3		30.9		98.4		7.8		1.2		3		79				<0.2		1.0	
					Bottom	7.2	0.1	309	17.5	17.5	8.3	8.3	30.8	30.8	99.0	99.0	7.9	7.9	2.1		3		85				<0.2		0.7	
						7.2	0.1	311	17.5		8.3		30.8		99.0		7.9		2.2		3		84				<0.2		0.7	
IM12	Misty	Calm	11:10	8.6	Surface	1.0	0.1	14	17.3	17.3	8.3	8.3	30.9	30.9	97.9	97.9	7.8	7.8	1.0	1.7	2	2	48	73	821156	811504	<0.2	<0.2	0.7	0.8
						1.0	0.1	20	17.3		8.3		30.9		97.9		7.8		1.1		3		49				<0.2		0.6	
					Middle	4.3	0.0	29	17.4	17.4	8.3	8.3	30.9	30.9	98.2	98.2	7.8		2.0		2		83				<0.2		0.9	
						4.3	0.0	21	17.4		8.3		30.9		98.2		7.8		1.9		3		83				<0.2		0.9	
					Bottom	7.6	0.0	25	17.6	17.6	8.3	8.3	30.7	30.7	99.2	99.2	7.9	7.9	2.0		2		87				<0.2		0.9	
						7.6	0.0	22	17.6		8.3		30.7		99.2		7.9		2.0		2		88				<0.2		0.8	
SR1A	Misty	Calm	11:34	5.0	Surface	1.0	0.0	359	17.7	17.7	8.2	8.2	30.4	30.3	98.7	98.8	7.8	7.8	2.7	2.9	<2	<2	-	-	819982	812664	-	-	-	-
						1.0	-	1	17.7		8.2		30.3		98.8		7.8		2.7		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	347	18.1	18.1	8.3	8.3	30.1	30.1	99.7	99.9	7.9	7.9	3.1		<2		-				-		-	
						4.0	0.0	344	18.1		8.3		30.0		100.0		7.9		3.2		<2		-				-		-	
SR2	Misty	Calm	11:45	5.2	Surface	1.0	0.1	45	17.9	17.9	8.3	8.3	30.8	30.8	99.1	99.1	7.8	7.8	1.4	2.0	3	3	69	78	821444	814143	<0.2	<0.2	0.9	0.8
						1.0	0.1	41	17.9		8.3		30.8		99.1		7.8		1.5		3		69				<0.2		0.8	
					Middle	-	0.1	63	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	58	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	51	18.2	18.2	8.3	8.3	30.6	30.5	100.4	100.6	7.9	7.9	2.5		3		86				<0.2		0.8	
						4.2	0.0	50	18.2		8.3		30.5		100.7		7.9		2.5		2		86				<0.2		0.8	
SR3	Fine	Moderate	11:21	9.0	Surface	1.0	0.2	18	18.1	18.1	8.2	8.2	30.4	30.4	99.0	99.0	7.8	7.8	1.0	2.9	3	2	-	-	822170	807564	-	-	-	-
						1.0	0.2	25	18.1		8.2		30.5		98.9		7.8		1.0		2		-				-		-	
					Middle	4.5	0.2	20	18.1	18.1	8.2	8.2	30.5	30.6	98.2	98.2	7.7		1.4		3		-				-		-	
						4.5	0.2	21	18.1		8.2		30.6		98.1		7.7		1.6		2		-				-		-	
					Bottom	8.0	0.1	19	18.1	18.1	8.2	8.2	31.4	31.4	98.3	98.3	7.7	7.7	6.0		2		-				-		-	
						8.0	0.2	25	18.1		8.2		31.4		98.3		7.7		6.3		2		-				-		-	
SR4A	Cloudy	Calm	12:38	9.2	Surface	1.0	0.0	358	18.3	18.3	8.3	8.3	31.6	31.6	101.0	101.0	7.9	7.9	2.2	2.4	3	4	-	-	817186	807793	-	-	-	-
						1.0	0.1	1	18.3		8.3		31.6		101.0		7.9		2.2		4		-				-		-	
					Middle	4.6	0.1	4	18.2	18.2	8.3	8.3	31.6	31.6	100.3	100.3	7.8		2.1		4		-				-		-	
						4.6	0.1	357	18.2		8.3		31.6		100.2		7.8		2.1		5		-				-		-	
					Bottom	8.2	0.0	23	18.2	18.2	8.3	8.3	31.7	31.7	99.9	99.9	7.8	7.8	2.8		4		-				-		-	
						8.2	0.0	27	18.2		8.3		31.7		99.9		7.8		2.8		5		-				-		-	
SR8	Misty	Calm	11:17	4.8	Surface	1.0	-	-	17.4	17.4	8.3	8.3	30.8	30.8	98.9	98.9	7.9	7.9	2.1	2.9	5	5	-	-	820377	811632	-	-	-	-
						1.0	-	-	17.4		8.3		30.8		98.9		7.9		2.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	17.7	17.7	8.2	8.3	30.4	30.4	100.4	102.1	8.0	8.1	3.6		4		-				-		-	
						3.8	-	-	17.7		8.3		30.4		103.8		8.2		3.6		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	07:45	7.8	Surface	1.0	0.4	38	18.2	18.2	8.3	8.3	32.1	32.1	99.7	99.7	7.8	7.8	4.0	6.4	11	10	46	49	815608	804232	<0.2	<0.2	0.5	0.6
						1.0	0.3	33	18.2		8.3		32.1		99.7		7.8		4.5		12		47				<0.2		0.6	
					Middle	3.9	0.4	41	18.2	18.2	8.3	8.3	32.1	32.1	99.6	99.6	7.8		5.7		10		49				<0.2		0.6	
						3.9	0.3	35	18.2		8.3		32.1		99.6		7.8		5.7		9		50				<0.2		0.6	
					Bottom	6.8	0.4	22	18.2	18.2	8.3	8.3	32.2	32.2	99.5	99.5	7.7	7.7	9.2		10		51				<0.2		0.5	
						6.8	0.4	20	18.2		8.3		32.2		99.5		7.7		9.1		9		51				<0.2		0.6	
C2	Cloudy	Moderate	09:08	11.7	Surface	1.0	0.3	1	18.1	18.1	8.2	8.2	30.4	30.3	97.3	97.4	7.7	7.7	0.9	2.1	<2	2	47	49	825685	806936	<0.2	<0.2	0.8	0.8
						1.0	0.3	356	18.1		8.2		30.3		97.5		7.7		0.8		<2		46				<0.2		0.9	
					Middle	5.9	0.3	340	18.0	18.0	8.2	8.2	30.7	30.7	97.9	97.9	7.7		1.5		2		49				<0.2		0.8	
						5.9	0.2	336	18.0		8.2		30.7		97.9		7.7		1.5		2		49				<0.2		0.8	
					Bottom	10.7	0.3	329	18.1	18.1	8.3	8.3	31.6	31.6	98.2	98.2	7.7	7.7	4.0		2		50				<0.2		0.8	
						10.7	0.2	327	18.1		8.3		31.6		98.2		7.7		4.0		3		51				<0.2		0.8	
C3	Misty	Calm	07:02	12.0	Surface	1.0	0.4	266	17.3	17.3	8.2	8.2	30.6	30.6	97.6	97.6	7.8	7.8	1.0	1.2	5	6	44	72	822123	817793	<0.2	<0.2	0.7	0.7
						1.0	0.5	268	17.3		8.2		30.6		97.6		7.8		1.0		6		44				<0.2		0.7	
					Middle	6.0	0.4	266	17.3	17.3	8.2	8.2	30.6	30.6	97.6	97.6	7.8		1.2		5		86				<0.2		0.8	
						6.0	0.5	262	17.3		8.2		30.6		97.6		7.8		1.1		6		86				<0.2		0.7	
					Bottom	11.0	0.4	285	17.3	17.3	8.2	8.2	30.6	30.6	97.6	97.7	7.8	7.8	1.5		6		87				<0.2		0.7	
						11.0	0.4	291	17.3		8.2		30.6		97.8		7.8		1.5		6		87				<0.2		0.6	
IM1	Fine	Moderate	08:03	6.5	Surface	1.0	0.2	15	18.0	18.0	8.3	8.3	31.2	31.2	99.1	99.1	7.8	7.8	2.8	2.9	6	6	45	48	818354	806454	<0.2	<0.2	0.6	0.6
						1.0	0.2	20	18.0		8.3		31.2		99.1		7.8		2.8		5		45				<0.2		0.6	
					Middle	3.3	0.2	28	18.0	18.0	8.3	8.3	31.2	31.2	99.0	99.0	7.8		3.0		6		48				<0.2		0.7	
						3.3	0.2	25	18.0		8.3		31.2		99.0		7.8		2.9		5		49				<0.2		0.7	
					Bottom	5.5	0.2	37	18.0	18.0	8.3	8.3	31.2	31.2	99.1	99.1	7.8	7.8	3.1		6		50				<0.2		0.6	
						5.5	0.2	36	18.0		8.3		31.2		99.1		7.8		3.1		6		49				<0.2		0.6	
IM2	Fine	Moderate	08:09	7.4	Surface	1.0	0.2	14	17.9	17.9	8.3	8.3	31.2	31.2	98.7	98.7	7.8	7.8	2.6	3.2	4	5	46	48	819170	806250	<0.2	<0.2	0.6	0.6
						1.0	0.2	15	17.9		8.3		31.2		98.7		7.8		2.6		4		45				<0.2		0.7	
					Middle	3.7	0.3	30	18.1	18.1	8.3	8.3	31.7	31.7	98.6	98.6	7.7		3.0		5		48				<0.2		0.6	
						3.7	0.3	30	18.1		8.3		31.7		98.5		7.7		3.2		6		48				<0.2		0.6	
					Bottom	6.4	0.3	27	18.1	18.1	8.3	8.3	31.8	31.8	98.6	98.6	7.7	7.7	3.9		6		50				<0.2		0.6	
						6.4	0.3	26	18.1		8.3		31.8		98.6		7.7		3.9		5		49				<0.2		0.6	
IM7	Cloudy	Moderate	08:30	8.1	Surface	1.0	0.2	348	18.0	18.0	8.2	8.2	30.1	30.1	97.8	97.8	7.7	7.7	0.8	1.0	2	4	45	48	821348	806821	<0.2	<0.2	0.8	0.8
						1.0	0.2	352	18.0		8.2		30.1		97.8		7.7		0.8		3		45				<0.2		0.8	
					Middle	4.1	0.2	0	18.0	18.0	8.2	8.2	30.1	30.1	97.3	97.3	7.7		1.0		4		49				<0.2		0.9	
						4.1	0.2	7	18.0		8.2		30.1		97.3		7.7		1.1		4		49				<0.2		0.9	
					Bottom	7.1	0.2	336	18.0	18.0	8.2	8.2	30.2	30.2	97.1	97.1	7.7	7.7	1.3		5		50				<0.2		0.8	
						7.1	0.2	336	18.0		8.2		30.2		97.1		7.7		1.3		4		50				<0.2		0.8	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 15 February 22 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		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
IM10	Misty	Calm	07:57	7.4	Surface	1.0	0.4	305	17.2	17.2	8.2	8.2	30.7	30.7	97.6	97.6	7.8	7.8	1.9	2.3	3	3	49	73	822223	809824	<0.2	<0.2	0.7	0.9
						1.0	0.4	298	17.2		8.2		30.7		97.6		7.8		1.9		2		48				<0.2		0.7	
					Middle	3.7	0.3	299	17.2	17.2	8.2	8.2	30.7	30.7	97.6	97.7	7.8		2.0		3		83				<0.2		0.7	
						3.7	0.3	299	17.2		8.2		30.7		97.7		7.8		2.0		2		83				<0.2		0.7	
					Bottom	6.4	0.4	277	17.2	17.2	8.2	8.2	30.7	30.7	97.7	97.8	7.8	7.8	2.9		4		86				<0.2		1.3	
						6.4	0.4	269	17.2		8.2		30.7		97.8		7.8		2.9		3		86				<0.2		1.3	
IM11	Misty	Calm	07:51	7.6	Surface	1.0	0.4	269	17.2	17.2	8.2	8.2	30.7	30.7	97.7	97.7	7.8	7.8	2.1	4.0	4	4	48	75	821507	810527	<0.2	<0.2	1.2	1.1
						1.0	0.4	273	17.2		8.2		30.7		97.7		7.8		2.2		4		48				<0.2		1.2	
					Middle	3.8	0.4	270	17.2	17.2	8.2	8.2	30.7	30.7	97.7	97.7	7.8		4.0		3		86				<0.2		1.3	
						3.8	0.5	265	17.2		8.2		30.7		97.7		7.8		4.1		4		86				<0.2		1.4	
					Bottom	6.6	0.4	275	17.2	17.2	8.2	8.2	30.7	30.6	97.8	97.8	7.8	7.8	5.9		3		90				<0.2		0.8	
						6.6	0.4	276	17.2		8.2		30.6		97.8		7.8		5.7		4		90				<0.2		0.9	
IM12	Misty	Calm	07:43	8.4	Surface	1.0	0.4	289	17.3	17.3	8.2	8.2	31.0	31.0	95.7	95.7	7.6	7.6	1.5	2.6	4	3	45	73	821158	811525	<0.2	<0.2	1.4	1.3
						1.0	0.4	294	17.3		8.2		31.0		95.6		7.6		1.4		4		45				<0.2		1.3	
					Middle	4.2	0.4	296	17.3	17.3	8.2	8.2	31.0	31.0	95.8	95.8	7.6		2.4		3		86				<0.2		1.4	
						4.2	0.4	297	17.3		8.2		31.0		95.8		7.6		2.5		4		86				<0.2		1.3	
					Bottom	7.4	0.4	282	17.2	17.2	8.2	8.2	31.0	31.0	96.2	96.2	7.7	7.7	3.9		2		87				<0.2		1.3	
						7.4	0.5	275	17.2		8.2		31.0		96.2		7.7		3.8		3		87				<0.2		1.3	
SR1A	Misty	Calm	07:18	5.0	Surface	1.0	0.0	187	17.2	17.2	8.2	8.2	30.6	30.6	94.9	95.0	7.6	7.6	1.5	2.0	5	5	-	-	819970	812657	-	-	-	-
						1.0	0.0	194	17.2		8.2		30.6		95.0		7.6		1.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	178	17.2	17.2	8.2	8.2	30.6	30.6	95.5	95.5	7.6	7.6	2.5		4		-				-		-	
						4.0	0.0	175	17.2		8.2		30.6		95.5		7.6		2.5		5		-				-		-	
SR2	Misty	Calm	07:05	5.0	Surface	1.0	0.1	257	17.3	17.3	8.1	8.1	30.7	30.7	89.3	89.3	7.1	7.1	2.3	3.0	<2	<2	43	65	821467	814187	<0.2	<0.2	1.3	1.3
						1.0	0.1	254	17.3		8.1		30.7		89.2		7.1		2.4		<2		43				<0.2		1.3	
					Middle	-	0.0	251	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.0	256	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	256	17.3	17.3	8.1	8.1	30.6	30.6	66.4	65.5	5.3	5.3	3.7		<2		87				<0.2		1.3	
						4.0	0.0	254	17.3		8.1		30.6		64.5		5.2		3.8		<2		87				<0.2		1.3	
SR3	Cloudy	Moderate	08:43	8.6	Surface	1.0	0.3	331	18.0	18.0	8.2	8.2	30.2	30.2	97.2	97.2	7.7	7.7	0.9	1.0	2	4	-	-	822165	807548	-	-	-	-
						1.0	0.3	338	18.0		8.2		30.2		97.1		7.7		0.9		3		-				-		-	
					Middle	4.3	0.3	356	18.1	18.1	8.2	8.2	30.3	30.3	96.7	96.7	7.6		0.8		4		-				-		-	
						4.3	0.3	353	18.1		8.2		30.3		96.7		7.6		0.8		5		-				-		-	
					Bottom	7.6	0.3	334	18.1	18.1	8.2	8.2	30.3	30.3	96.5	96.5	7.6	7.6	1.3		4		-				-		-	
						7.6	0.3	329	18.1		8.2		30.3		96.5		7.6		1.3		5		-				-		-	
SR4A	Cloudy	Calm	07:23	9.0	Surface	1.0	0.0	220	18.1	18.1	8.2	8.2	30.6	30.6	98.0	98.0	7.7	7.7	2.0	2.0	6	6	-	-	817185	807830	-	-	-	-
						1.0	0.0	222	18.1		8.2		30.6		98.0		7.7		2.0		7		-				-		-	
					Middle	4.5	0.0	194	18.1	18.1	8.2	8.2	30.6	30.6	97.8	97.8	7.7		2.0		5		-				-		-	
						4.5	0.0	198	18.1		8.2		30.6		97.8		7.7		1.9		6		-				-		-	
					Bottom	8.0	0.0	208	18.1	18.1	8.2	8.2	30.6	30.6	97.6	97.6	7.7	7.7	2.2		4		-				-		-	
						8.0	0.0	206	18.1		8.2		30.6		97.6		7.7		2.1		5		-				-		-	
SR8	Misty	Calm	07:35	5.0	Surface	1.0	-	-	17.2	17.2	8.4	8.4	30.2	30.2	95.3	95.3	7.7	7.7	1.8	2.2	2	3	-	-	820379	811606	-	-	-	-
						1.0	-	-	17.2		8.4		30.1		95.3		7.6		1.9		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	17.2	17.2	8.3	8.3	29.3	29.3	95.1	95.1	7.7	7.7	2.5		3		-				-		-	
						4.0	-	-	17.2		8.3		29.2		95.1		7.7		2.5		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	13:23	8.6	Surface	1.0	0.2	207	17.0	17.0	8.3	8.3	32.3	32.3	99.1	99.1	7.9	7.9	3.4	4.7	3	3	51	75	815618	804227	0.2	0.2	0.5	0.6
						1.0	0.2	203	17.0		8.3		32.3		99.1		7.9		3.5		3		51				0.2		0.6	
					Middle	4.3	0.1	206	17.0	17.0	8.3	8.3	32.5	32.5	98.7	98.7	7.8		4.6		3		86				0.2		0.5	
						4.3	0.2	210	17.0		8.3		32.5		98.7		7.8		4.5		3		86				0.2		0.6	
					Bottom	7.6	0.2	208	17.0	17.0	8.4	8.4	32.5	32.5	98.7	98.7	7.8	7.8	6.0		3		88				0.2		0.7	
						7.6	0.2	202	17.0		8.4		32.5		98.6		7.8		5.9		3		87				0.3		0.6	
C2	Rainy	Moderate	12:01	12.0	Surface	1.0	0.0	13	17.4	17.4	8.3	8.3	30.4	30.4	97.9	97.9	7.8	7.8	1.3	1.7	3	3	44	73	825699	806924	0.3	0.2	0.5	0.6
						1.0	0.0	11	17.4		8.3		30.4		97.9		7.8		1.3		3		44				0.3		0.6	
					Middle	6.0	0.1	0	17.4	17.4	8.3	8.3	30.6	30.6	97.6	97.6	7.8		1.5		3		86				0.2		0.7	
						6.0	0.1	359	17.4		8.3		30.6		97.6		7.8		1.5		2		86				0.2		0.7	
					Bottom	11.0	0.1	8	17.4	17.4	8.3	8.3	30.4	30.4	97.5	97.5	7.8	7.8	2.2		2		90				0.2		0.6	
						11.0	0.1	0	17.4		8.3		30.4		97.5		7.8		2.3		2		90				0.2		0.6	
C3	Rainy	Rough	13:38	11.0	Surface	1.0	0.3	101	18.1	18.1	8.2	8.2	31.9	31.9	96.3	96.3	7.5	7.5	7.1	2.9	3	2	47	49	822116	817807	0.2	0.2	0.6	0.6
						1.0	0.3	107	18.1		8.2		31.9		96.2		7.5		7.1		3		46				0.3		0.6	
					Middle	5.5	0.3	88	18.1	18.1	8.2	8.2	32.2	32.2	95.5	95.5	7.5		0.7		2		48				0.2		0.6	
						5.5	0.2	83	18.1		8.2		32.2		95.5		7.5		0.7		2		49				0.2		0.6	
					Bottom	10.0	0.3	98	18.0	18.0	8.2	8.2	32.2	32.2	96.7	96.9	7.6	7.6	0.8		2		51				0.2		0.6	
						10.0	0.3	90	18.0		8.2		32.2		97.0		7.6		0.8		2		52				0.2		0.5	
IM1	Rainy	Moderate	13:07	7.8	Surface	1.0	0.1	167	17.3	17.3	8.3	8.3	31.3	31.3	99.0	99.0	7.9	7.9	1.0	1.6	5	3	48	74	818366	806451	0.2	0.2	1.0	1.0
						1.0	0.0	165	17.3		8.3		31.3		99.0		7.9		1.1		4		48				0.2		0.9	
					Middle	3.9	0.1	135	17.3	17.3	8.3	8.3	31.3	31.3	98.9	98.9	7.9		1.4		3		86				<0.2		1.0	
						3.9	0.1	135	17.3		8.3		31.3		98.9		7.9		1.5		3		86				<0.2		0.9	
					Bottom	6.8	0.0	153	17.3	17.3	8.3	8.3	31.3	31.3	98.8	98.9	7.9	7.9	2.3		2		88				0.2		1.0	
						6.8	0.0	147	17.3		8.3		31.3		98.9		7.9		2.5		2		88				0.3		1.0	
IM2	Rainy	Moderate	13:01	7.6	Surface	1.0	0.0	111	17.3	17.3	8.4	8.4	31.5	31.5	98.3	98.3	7.8	7.8	2.1	3.8	8	8	49	71	819185	806255	0.2	0.2	0.9	0.9
						1.0	0.0	112	17.3		8.4		31.5		98.3		7.8		2.1		8		49				0.2		0.9	
					Middle	3.8	0.0	121	17.2	17.2	8.4	8.4	31.6	31.6	98.1	98.1	7.8		4.0		8		78				0.2		0.9	
						3.8	0.0	122	17.2		8.4		31.6		98.1		7.8		4.0		8		79				0.2		1.0	
					Bottom	6.6	0.0	81	17.2	17.2	8.4	8.5	31.7	31.7	97.8	97.8	7.8	7.8	5.3		9		84				0.2		0.9	
						6.6	0.0	87	17.2		8.5		31.7		97.8		7.8		5.3		9		85				0.2		0.9	
IM7	Rainy	Moderate	12:43	8.6	Surface	1.0	0.2	51	17.3	17.3	8.3	8.3	31.1	31.1	97.4	97.4	7.8	7.8	1.1	1.4	11	10	52	77	821330	806841	0.2	0.2	0.8	0.9
						1.0	0.2	54	17.3		8.3		31.1		97.4		7.8		1.0		11		52				0.2		0.9	
					Middle	4.3	0.2	82	17.3	17.3	8.3	8.3	31.2	31.2	97.5	97.5	7.8		1.1		9		88				0.2		0.9	
						4.3	0.2	84	17.3		8.3		31.2		97.5		7.8		1.2		9		88				0.2		0.9	
					Bottom	7.6	0.2	62	17.3	17.3	8.3	8.3	31.3	31.3	97.6	97.7	7.8	7.8	1.9		9		90				0.2		0.9	
						7.6	0.3	59	17.3		8.3		31.3		97.7		7.8		1.8		9		90				0.2		0.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 February 22 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		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
IM10	Rainy	Rough	11:58	7.8	Surface	1.0	0.1	33	18.2	18.2	8.2	8.2	30.7	30.7	97.9	97.9	7.7	7.7	5.6	2.6	5	6	47	49	822257	809843	0.2	0.2	1.2	1.0
						1.0	0.0	28	18.2		8.2		30.7		97.9		7.7		5.5		5		47				0.2		1.2	
					Middle	3.9	0.1	24	18.2	18.2	8.2	8.2	31.2	31.2	97.4	97.4	7.6		1.0		5		49				<0.2		0.8	
						3.9	0.1	25	18.2		8.2		31.3		97.4		7.6		1.1		6		47				<0.2		0.7	
					Bottom	6.8	0.0	40	18.2	18.2	8.2	8.2	31.4	31.4	97.6	97.7	7.6	7.6	1.2		6		51				<0.2		0.9	
						6.8	0.0	45	18.2		8.2		31.4		97.7		7.6		1.1		7		51				<0.2		0.9	
IM11	Rainy	Rough	12:21	7.7	Surface	1.0	0.1	66	18.2	18.2	8.2	8.2	31.5	31.5	99.1	99.1	7.7	7.8	1.0	1.2	5	4	47	49	821517	810548	<0.2	<0.2	0.6	0.6
						1.0	0.0	68	18.2		8.2		31.5		99.1		7.7		1.0		4		48				<0.2		0.6	
					Middle	3.9	0.1	66	18.1	18.1	8.2	8.2	31.5	31.5	99.2	99.3	7.8		1.2		4		49				<0.2		0.6	
						3.9	0.1	69	18.1		8.2		31.5		99.3		7.8		1.2		3		48				<0.2		0.7	
					Bottom	6.7	0.1	44	18.1	18.1	8.2	8.2	31.5	31.5	99.6	99.7	7.8	7.8	1.3		3		51				<0.2		0.6	
						6.7	0.1	37	18.1		8.2		31.5		99.7		7.8		1.4		3		51				<0.2		0.7	
IM12	Rainy	Rough	12:28	8.4	Surface	1.0	0.2	79	18.2	18.2	8.2	8.2	31.5	31.5	97.8	97.8	7.6	7.7	1.1	1.1	5	4	47	49	821157	811537	<0.2	<0.2	0.6	0.6
						1.0	0.2	75	18.2		8.2		31.5		97.8		7.6		1.1		5		47				<0.2		0.6	
					Middle	4.2	0.2	91	18.2	18.2	8.2	8.2	31.5	31.5	97.8	97.9	7.7		1.1		4		49				<0.2		0.6	
						4.2	0.2	87	18.2		8.2		31.5		97.9		7.7		1.1		4		48				<0.2		0.6	
					Bottom	7.4	0.1	66	18.2	18.2	8.2	8.2	31.5	31.5	98.1	98.1	7.7	7.7	1.2		3		51				<0.2		0.6	
						7.4	0.1	63	18.2		8.2		31.5		98.1		7.7		1.2		3		51				<0.2		0.5	
SR1A	Rainy	Rough	12:59	4.3	Surface	1.0	0.0	12	18.2	18.2	8.2	8.2	31.3	31.3	98.0	98.0	7.7	7.7	0.9	0.8	2	2	-	-	819974	812661	-	-	-	-
						1.0	0.0	5	18.2		8.2		31.4		98.0		7.7		0.9		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	17	18.2	18.2	8.2	8.2	31.4	31.4	98.7	98.7	7.7	7.7	0.8		3		-				-		-	
						3.3	0.1	23	18.1		8.2		31.4		98.7		7.7		0.8		2		-				-		-	
SR2	Rainy	Rough	13:16	4.5	Surface	1.0	0.1	55	18.1	18.1	8.2	8.2	31.5	31.5	99.3	99.3	7.8	7.8	1.0	1.5	2	3	48	49	821458	814173	<0.2	<0.2	0.7	0.6
						1.0	0.2	52	18.1		8.2		31.5		99.3		7.8		1.0		2		47				<0.2		0.6	
					Middle	-	0.2	69	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	62	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.2	53	18.1	18.1	8.2	8.2	31.5	31.5	99.9	100.0	7.8	7.8	2.0		3		51				<0.2		0.6	
						3.5	0.2	51	18.1		8.2		31.5		100.0		7.8		2.2		3		50				<0.2		0.6	
SR3	Rainy	Moderate	12:37	8.8	Surface	1.0	0.1	38	17.4	17.4	8.3	8.3	30.6	30.6	98.2	98.2	7.8	7.8	1.1	1.6	4	3	-	-	822132	807576	-	-	-	-
						1.0	0.2	33	17.4		8.3		30.6		98.1		7.8		1.1		4		-				-		-	
					Middle	4.4	0.1	31	17.4	17.4	8.3	8.3	30.7	30.7	98.0	98.0	7.8		1.5		4		-				-		-	
						4.4	0.1	38	17.4		8.3		30.7		98.0		7.8		1.6		3		-				-		-	
					Bottom	7.8	0.1	44	17.4	17.4	8.3	8.3	30.7	30.7	98.1	98.1	7.8	7.8	2.1		2		-				-		-	
						7.8	0.1	41	17.4		8.3		30.7		98.1		7.8		2.1		2		-				-		-	
SR4A	Rainy	Moderate	13:46	9.0	Surface	1.0	0.0	72	17.1	17.1	8.3	8.3	32.2	32.2	99.4	99.4	7.9	7.9	4.1	5.1	5	4	-	-	817211	807828	-	-	-	-
						1.0	0.0	71	17.1		8.3		32.2		99.4		7.9		4.2		5		-				-		-	
					Middle	4.5	0.0	70	17.0	17.0	8.3	8.3	32.4	32.4	99.3	99.4	7.9		5.1		4		-				-		-	
						4.5	-	69	17.0		8.3		32.4		99.4		7.9		5.1		4		-				-		-	
					Bottom	8.0	0.0	64	17.0	17.0	8.3	8.3	32.2	32.2	99.7	99.7	7.9	7.9	6.0		3		-				-		-	
						8.0	0.0	64	17.0		8.3		32.2		99.7		7.9		6.1		3		-				-		-	
SR8	Rainy	Rough	12:35	4.1	Surface	1.0	-	-	18.2	18.2	8.2	8.2	31.4	31.4	99.4	99.4	7.8	7.8	2.0	4.7	6	5	-	-	820402	811615	-	-	-	-
						1.0	-	-	18.2		8.2		31.4		99.4		7.8		2.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	18.2	18.2	8.2	8.2	31.4	31.4	99.7	99.8	7.8	7.8	7.4		5		-				-		-	
						3.1	-	-	18.2		8.2		31.5		99.8		7.8		7.4		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	08:59	9.0	Surface	1.0	0.4	23	17.1	17.1	8.2	8.2	31.9	31.9	98.4	98.4	7.8	7.8	7.1	8.1	4	3	46	73	815626	804256	<0.2	<0.2	0.7	0.7
						1.0	0.4	24	17.1		8.2		31.9		98.4		7.8		7.2		5		46				<0.2		0.6	
					Middle	4.5	0.4	33	17.1	17.1	8.2	8.2	31.9	31.9	98.4	98.4	7.8		8.2		3		86				<0.2		0.7	
						4.5	0.4	26	17.1		8.2		31.9		98.4		7.8		8.1		3		86				<0.2		0.6	
					Bottom	8.0	0.4	52	17.1	17.2	8.2	8.2	31.9	31.9	98.4	98.4	7.8	7.8	9.1		2		87				<0.2		0.6	
						8.0	0.4	47	17.2		8.2		31.9		98.4		7.8		9.0		3		87				<0.2		0.7	
C2	Rainy	Moderate	10:06	12.2	Surface	1.0	0.3	340	17.5	17.5	8.2	8.2	29.9	29.9	96.8	96.8	7.7	7.7	1.1	1.7	7	6	44	74	825660	806929	<0.2	<0.2	0.9	0.9
						1.0	0.3	335	17.5		8.2		29.9		96.8		7.7		1.1		7		45				<0.2		1.0	
					Middle	6.1	0.3	357	17.4	17.4	8.3	8.3	30.0	30.1	96.4	96.4	7.7		1.8		6		86				<0.2		0.9	
						6.1	0.3	4	17.4		8.3		30.1		96.3		7.7		1.8		6		86				<0.2		1.0	
					Bottom	11.2	0.3	9	17.4	17.4	8.3	8.3	30.0	30.0	96.3	96.3	7.7	7.7	2.3		5		90				<0.2		0.9	
						11.2	0.3	4	17.4		8.3		30.0		96.3		7.7		2.2		5		90				<0.2		0.9	
C3	Rainy	Moderate	08:13	10.8	Surface	1.0	0.4	278	18.2	18.2	8.1	8.1	31.6	31.6	96.4	96.4	7.5	7.5	2.2	7.3	4	5	45	48	822091	817801	<0.2	<0.2	0.8	0.7
						1.0	0.4	282	18.2		8.1		31.6		96.4		7.5		2.3		4		46				<0.2		0.8	
					Middle	5.4	0.5	260	18.2	18.2	8.1	8.1	31.7	31.7	96.3	96.3	7.5		7.9		4		48				<0.2		0.6	
						5.4	0.4	257	18.2		8.1		31.7		96.3		7.5		8.0		5		47				<0.2		0.7	
					Bottom	9.8	0.5	277	18.2	18.2	8.1	8.1	31.7	31.7	96.3	96.3	7.5	7.5	11.1		6		51				<0.2		0.6	
						9.8	0.4	280	18.2		8.1		31.7		96.3		7.5		11.9		7		51				<0.2		0.6	
IM1	Rainy	Moderate	09:17	6.8	Surface	1.0	0.3	12	17.4	17.4	8.3	8.3	31.3	31.3	97.5	97.5	7.7	7.7	2.8	3.7	4	4	53	77	818350	806439	<0.2	<0.2	0.9	0.9
						1.0	0.3	11	17.4		8.3		31.3		97.5		7.7		2.8		5		52				<0.2		0.9	
					Middle	3.4	0.3	356	17.4	17.4	8.3	8.3	31.3	31.3	97.4	97.4	7.7		3.5		4		87				<0.2		0.8	
						3.4	0.2	351	17.4		8.3		31.3		97.3		7.7		3.5		4		87				<0.2		0.8	
					Bottom	5.8	0.2	10	17.4	17.4	8.3	8.3	31.3	31.3	97.2	97.2	7.7	7.7	4.8		4		90				<0.2		0.9	
						5.8	0.2	12	17.4		8.3		31.3		97.2		7.7		4.8		4		90				<0.2		0.9	
IM2	Rainy	Moderate	09:24	7.8	Surface	1.0	0.4	7	17.3	17.3	8.3	8.3	31.4	31.4	97.0	97.0	7.7	7.7	2.0	2.8	5	5	49	74	819163	806241	<0.2	<0.2	0.9	0.9
						1.0	0.4	1	17.3		8.3		31.4		96.9		7.7		2.1		6		49				<0.2		0.9	
					Middle	3.9	0.3	2	17.3	17.3	8.3	8.3	31.4	31.4	96.5	96.5	7.7		2.5		5		86				<0.2		0.8	
						3.9	0.4	358	17.3		8.3		31.4		96.4		7.7		2.5		5		86				<0.2		0.9	
					Bottom	6.8	0.3	16	17.2	17.2	8.3	8.3	31.5	31.5	95.5	95.4	7.6	7.6	3.8		5		87				<0.2		0.9	
						6.8	0.4	22	17.2		8.3		31.5		95.3		7.6		3.6		5		87				<0.2		1.0	
IM7	Rainy	Moderate	09:42	8.8	Surface	1.0	0.2	27	17.4	17.4	8.3	8.3	30.7	30.7	96.1	96.1	7.7	7.7	1.0	1.9	5	6	50	77	821360	806848	<0.2	<0.2	0.9	0.9
						1.0	0.3	30	17.4		8.3		30.7		96.0		7.7		1.1		5		51				<0.2		0.8	
					Middle	4.4	0.3	29	17.4	17.4	8.3	8.3	30.7	30.7	95.8	95.8	7.6		1.8		5		90				<0.2		0.8	
						4.4	0.3	36	17.4		8.3		30.7		95.8		7.6		1.8		5		90				<0.2		1.0	
					Bottom	7.8	0.3	23	17.4	17.4	8.3	8.3	30.5	30.5	95.6	95.6	7.6	7.6	2.8		6		91				<0.2		0.9	
						7.8	0.3	21	17.4		8.3		30.5		95.6		7.6		2.8		7		91				<0.2		0.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 February 22 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		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
IM10	Cloudy	Moderate	09:34	7.8	Surface	1.0	0.3	313	18.2	18.2	8.2	8.2	31.4	31.4	98.6	98.6	7.7	7.7	1.7	2.0	4	5	46	48	822221	809860	<0.2	<0.2	0.7	0.6
						1.0	0.3	306	18.2		8.2		31.4		98.6		7.7		1.8		4		47				<0.2		0.7	
					Middle	3.9	0.3	310	18.2	18.2	8.2	8.2	31.4	31.4	98.6	98.7	7.7		1.9		5		48				<0.2		0.6	
						3.9	0.3	313	18.2		8.2		31.4		98.7		7.7		1.9		5		48				<0.2		0.6	
					Bottom	6.8	0.3	309	18.2	18.2	8.2	8.2	31.5	31.4	99.2	99.3	7.8	7.8	2.3		5		51				<0.2		0.6	
						6.8	0.4	302	18.2		8.2		31.4		99.3		7.8		2.4		6		50				<0.2		0.6	
IM11	Cloudy	Moderate	09:27	8.0	Surface	1.0	0.4	270	18.2	18.2	8.2	8.2	31.5	31.5	98.0	98.0	7.7	7.7	3.0	3.0	5	7	47	48	821480	810537	<0.2	<0.2	0.6	0.6
						1.0	0.3	265	18.2		8.2		31.5		98.0		7.7		3.0		6		47				<0.2		0.6	
					Middle	4.0	0.4	292	18.2	18.2	8.2	8.2	31.5	31.5	98.1	98.1	7.7		2.9		7		48				<0.2		0.6	
						4.0	0.3	289	18.2		8.2		31.5		98.1		7.7		3.0		7		47				<0.2		0.6	
					Bottom	7.0	0.4	265	18.2	18.2	8.2	8.2	31.5	31.5	98.3	98.4	7.7	7.7	3.0		7		50				<0.2		0.7	
						7.0	0.4	265	18.2		8.2		31.5		98.4		7.7		3.1		7		51				<0.2		0.7	
IM12	Cloudy	Moderate	09:20	8.4	Surface	1.0	0.4	278	18.2	18.2	8.2	8.2	31.4	31.4	98.0	98.0	7.7	7.7	1.8	5.7	7	5	46	48	821166	811497	<0.2	<0.2	0.7	0.7
						1.0	0.4	282	18.2		8.2		31.4		97.9		7.7		1.9		6		47				<0.2		0.7	
					Middle	4.2	0.4	277	18.2	18.2	8.2	8.2	31.5	31.5	97.9	97.9	7.7		6.8		5		48				<0.2		0.6	
						4.2	0.3	275	18.2		8.2		31.5		97.9		7.7		7.2		5		47				<0.2		0.6	
					Bottom	7.4	0.4	263	18.2	18.2	8.2	8.2	31.5	31.5	98.0	98.0	7.7	7.7	8.7		4		51				<0.2		0.7	
						7.4	0.4	262	18.2		8.2		31.5		98.0		7.7		8.2		4		50				<0.2		0.7	
SR1A	Rainy	Moderate	08:47	5.6	Surface	1.0	-	208	18.2	18.2	8.2	8.2	31.3	31.3	96.1	96.2	7.5	7.5	1.5	3.0	4	3	-	-	819978	812656	-	-	-	-
						1.0	0.0	202	18.2		8.2		31.3		96.2		7.5		1.5		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.0	207	18.2	18.2	8.2	8.2	31.3	31.3	96.4	96.5	7.5	7.5	4.4		2		-				-		-	
						4.6	0.0	204	18.2		8.2		31.3		96.5		7.5		4.6		2		-				-		-	
SR2	Rainy	Moderate	08:31	3.6	Surface	1.0	0.1	235	18.2	18.2	8.2	8.2	31.5	31.5	98.5	98.6	7.7	7.7	3.4	3.7	4	6	47	49	821446	814174	<0.2	<0.2	0.6	0.7
						1.0	0.1	234	18.2		8.2		31.5		98.6		7.7		3.6		5		48				<0.2		0.7	
					Middle	-	0.1	256	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	251	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.0	241	18.1	18.1	8.2	8.2	31.5	31.5	99.4	99.5	7.8	7.8	3.9		7		50				<0.2		0.6	
						2.6	0.0	240	18.1		8.2		31.5		99.5		7.8		3.8		7		50				<0.2		0.7	
SR3	Rainy	Moderate	09:49	9.2	Surface	1.0	0.3	346	17.5	17.5	8.2	8.2	30.2	30.2	96.1	96.1	7.7	7.7	1.1	1.3	6	5	-	-	822150	807554	-	-	-	-
						1.0	0.4	344	17.5		8.2		30.3		96.1		7.7		1.0		6		-				-		-	
					Middle	4.6	0.3	339	17.5	17.5	8.2	8.2	30.3	30.3	95.8	95.8	7.6		1.2		6		-				-		-	
						4.6	0.3	342	17.5		8.2		30.3		95.8		7.6		1.1		6		-				-		-	
					Bottom	8.2	0.3	350	17.5	17.5	8.2	8.2	30.4	30.4	95.8	95.8	7.6	7.6	1.6		4		-				-		-	
						8.2	0.2	348	17.5		8.2		30.4		95.8		7.6		1.6		3		-				-		-	
SR4A	Rainy	Moderate	08:35	9.4	Surface	1.0	0.1	199	17.1	17.1	8.2	8.2	31.9	31.9	97.6	97.4	7.8	7.8	5.4	6.2	3	3	-	-	817188	807822	-	-	-	-
						1.0	0.1	206	17.1		8.2		31.9		97.1		7.7		5.5		4		-				-		-	
					Middle	4.7	0.0	210	17.1	17.1	8.2	8.2	31.9	31.9	97.6	97.3	7.8		6.1		3		-				-		-	
						4.7	0.0	216	17.1		8.2		31.9		97.0		7.7		6.2		3		-				-		-	
					Bottom	8.4	0.0	195	17.1	17.1	8.2	8.2	31.8	31.8	96.6	96.6	7.7	7.7	7.0		3		-				-		-	
						8.4	0.0	200	17.1		8.2		31.8		96.5		7.7		7.1		3		-				-		-	
SR8	Rainy	Moderate	09:10	3.6	Surface	1.0	-	-	18.2	18.2	8.2	8.2	31.4	31.4	97.7	97.7	7.6	7.6	1.1	1.7	3	4	-	-	820368	811628	-	-	-	-
						1.0	-	-	18.2		8.2		31.4		97.7		7.6		1.2		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	18.2	18.2	8.2	8.2	31.4	31.4	97.5	97.5	7.6	7.6	2.2		4		-				-		-	
						2.6	-	-	18.2		8.2		31.4		97.5		7.6		2.4		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Rough	15:22	7.8	Surface	1.0	0.3	215	17.1	17.1	8.2	8.2	31.2	31.2	96.2	96.2	7.7	7.7	1.9	3.0	5	6	79	85	815598	804242	<0.2	<0.2	0.8	0.7
						1.0	0.3	210	17.1		8.2		31.2		96.2		7.7		1.9		6		79				<0.2		0.7	
					Middle	3.9	0.3	223	17.1	17.1	8.2	8.2	31.2	31.2	96.2	96.2	7.7		2.7		5		86				<0.2		0.7	
						3.9	0.3	222	17.1		8.2		31.2		96.2		7.7		2.7		6		86				<0.2		0.7	
					Bottom	6.8	0.3	233	17.1	17.1	8.2	8.2	31.2	31.2	96.4	96.4	7.7	7.7	4.6		6		91				<0.2		0.7	
						6.8	0.4	236	17.1		8.2		31.2		96.4		7.7		4.6		6		91				<0.2		0.7	
C2	Rainy	Rough	13:40	9.6	Surface	1.0	0.1	171	17.0	17.0	8.3	8.3	31.5	31.5	97.5	97.5	7.8	7.8	4.3	4.6	6	6	78	84	825678	806958	<0.2	<0.2	0.8	0.7
						1.0	0.1	164	17.0		8.3		31.5		97.5		7.8		4.4		5		79				<0.2		0.7	
					Middle	4.8	0.2	174	17.1	17.1	8.3	8.3	31.5	31.5	97.4	97.4	7.8		4.7		5		83				<0.2		0.7	
						4.8	0.1	175	17.1		8.3		31.5		97.4		7.8		4.7		6		83				<0.2		0.7	
					Bottom	8.6	0.1	149	17.1	17.1	8.3	8.3	31.6	31.6	97.4	97.4	7.8	7.8	4.6		6		90				<0.2		0.7	
						8.6	0.1	144	17.1		8.3		31.6		97.4		7.8		4.6		5		90				<0.2		0.7	
C3	Rainy	Moderate	14:05	12.0	Surface	1.0	0.2	67	17.8	17.7	8.2	8.2	32.0	32.0	103.3	103.3	8.1	8.1	3.0	4.1	7	6	52	74	822117	817819	<0.2	<0.2	0.7	0.7
						1.0	0.2	61	17.6		8.2		32.0		103.3		8.1		3.1		6		52				<0.2		0.7	
					Middle	6.0	0.3	69	17.6	17.6	8.2	8.2	31.9	31.9	103.5	103.6	8.1		4.1		6		82				<0.2		0.6	
						6.0	0.2	63	17.6		8.2		31.9		103.6		8.1		4.2		5		82				<0.2		0.7	
					Bottom	11.0	0.3	61	17.6	17.7	8.2	8.2	31.9	31.9	103.8	103.9	8.2	8.2	5.1		5		87				<0.2		0.7	
						11.0	0.2	59	17.8		8.2		31.9		103.9		8.2		5.0		5		87				<0.2		0.6	
IM1	Rainy	Rough	15:07	8.2	Surface	1.0	0.2	200	17.1	17.1	8.2	8.2	31.4	31.4	97.1	97.1	7.8	7.8	1.5	1.8	6	7	83	86	818353	806471	<0.2	<0.2	0.8	0.8
						1.0	0.2	197	17.1		8.2		31.4		97.1		7.8		1.5		8		83				<0.2		0.8	
					Middle	4.1	0.2	178	17.1	17.1	8.2	8.2	31.4	31.4	97.3	97.3	7.8		1.5		7		86				<0.2		0.8	
						4.1	0.2	175	17.1		8.2		31.4		97.3		7.8		1.6		6		86				<0.2		0.8	
					Bottom	7.2	0.2	168	17.1	17.1	8.2	8.2	31.4	31.4	98.8	99.2	7.9	8.0	2.3		6		90				<0.2		0.8	
						7.2	0.2	172	17.1		8.2		31.4		99.6		8.0		2.2		6		90				<0.2		0.7	
IM2	Rainy	Rough	14:52	8.5	Surface	1.0	0.2	196	16.9	16.9	8.3	8.3	31.8	31.8	98.8	98.8	7.9	7.9	3.2	3.4	5	6	83	86	819160	806225	<0.2	<0.2	0.7	0.8
						1.0	0.2	195	16.9		8.3		31.8		98.8		7.9		3.0		6		83				<0.2		0.7	
					Middle	4.3	0.1	170	16.9	16.9	8.3	8.3	31.8	31.8	98.6	98.6	7.9		3.4		5		87				<0.2		0.7	
						4.3	0.1	172	16.9		8.3		31.8		98.6		7.9		3.4		6		87				<0.2		0.8	
					Bottom	7.5	0.2	194	16.9	16.9	8.3	8.3	31.8	31.8	98.8	98.9	7.9	7.9	3.7		5		91				<0.2		0.8	
						7.5	0.2	192	16.9		8.3		31.8		98.9		7.9		3.6		6		87				<0.2		0.8	
IM7	Rainy	Rough	14:21	8.4	Surface	1.0	0.1	103	16.9	16.9	8.3	8.3	31.8	31.8	98.4	98.4	7.9	7.9	4.1	4.2	5	6	86	85	821355	806818	<0.2	<0.2	0.7	0.7
						1.0	0.1	106	16.9		8.3		31.8		98.4		7.9		4.1		6		86				<0.2		0.7	
					Middle	4.2	0.1	95	17.0	17.0	8.3	8.3	31.8	31.8	97.9	97.9	7.8		4.2		6		83				<0.2		0.7	
						4.2	0.2	97	17.0		8.3		31.8		97.9		7.8		4.2		6		83				<0.2		0.7	
					Bottom	7.4	0.1	105	17.0	17.0	8.3	8.3	31.8	31.8	98.0	98.0	7.8	7.8	4.3		5		86				<0.2		0.7	
						7.4	0.2	102	17.0		8.3		31.8		98.0		7.8		4.3		6		86				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 February 22 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		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
IM10	Rainy	Moderate	13:06	8.4	Surface	1.0	0.1	9	17.8	17.8	8.2	8.2	31.9	31.9	103.9	103.9	8.2	8.2	4.1	4.7	7	7	52	77	822226	809830	<0.2	<0.2	0.9	0.7
						1.0	0.1	9	17.8		8.2		31.9		103.9		8.2		4.1		7		52				<0.2		0.7	
					Middle	4.2	0.1	20	17.8	17.8	8.2	8.2	31.9	31.9	104.1	104.2	8.2		5.0		7		87				<0.2		0.6	
						4.2	0.1	13	17.8		8.2		31.9		104.2		8.2		5.0		6		88				<0.2		0.7	
					Bottom	7.4	0.0	31	17.8	17.8	8.2	8.2	31.9	31.9	104.3	104.3	8.2	8.2	4.9		8		90				<0.2		0.7	
						7.4	0.1	26	17.8		8.2		31.9		104.3		8.2		4.9		7		90				<0.2		0.7	
IM11	Rainy	Moderate	13:10	8.2	Surface	1.0	0.1	44	17.8	17.8	8.2	8.2	32.0	32.0	102.5	102.5	8.1	8.1	3.8	4.5	5	7	63	75	821484	810529	<0.2	<0.2	0.7	0.7
						1.0	0.1	44	17.8		8.2		32.0		102.4		8.1		3.9		6		63				<0.2		0.8	
					Middle	4.1	0.1	69	17.7	17.7	8.2	8.2	32.0	32.0	102.3	102.3	8.0		4.1		8		78				<0.2		0.8	
						4.1	0.1	75	17.7		8.2		32.0		102.2		8.0		4.2		7		79				<0.2		0.6	
					Bottom	7.2	0.1	64	17.8	17.8	8.2	8.2	31.9	31.9	102.1	102.2	8.0	8.0	5.4		7		85				<0.2		0.7	
						7.2	0.1	66	17.8		8.2		31.9		102.2		8.0		5.5		7		84				<0.2		0.7	
IM12	Rainy	Moderate	13:17	8.6	Surface	1.0	0.1	83	17.7	17.7	8.2	8.2	32.0	32.0	103.0	103.0	8.1	8.1	1.4	2.5	7	7	48	73	821171	811540	<0.2	<0.2	0.8	0.8
						1.0	0.1	80	17.7		8.2		32.0		103.0		8.1		1.4		6		49				<0.2		0.7	
					Middle	4.3	0.1	87	17.7	17.7	8.2	8.2	32.0	32.0	102.9	102.9	8.1		2.6		7		83				<0.2		0.8	
						4.3	0.2	93	17.7		8.2		32.0		102.9		8.1		2.5		6		83				<0.2		0.8	
					Bottom	7.6	0.1	108	17.7	17.7	8.2	8.2	32.0	32.0	102.8	102.8	8.1	8.1	3.7		7		87				<0.2		0.8	
						7.6	0.1	103	17.7		8.2		32.0		102.8		8.1		3.7		8		88				<0.2		0.7	
SR1A	Rainy	Moderate	13:34	5.0	Surface	1.0	0.0	35	17.6	17.7	8.2	8.2	32.0	32.0	102.9	102.9	8.1	8.1	3.5	3.9	6	6	-	-	819972	812654	-	-	-	-
						1.0	0.0	29	17.8		8.2		32.0		102.9		8.1		3.5		6		-				-		-	
					Middle	2.5	0.0	28	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	0.0	24	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	42	17.8	17.8	8.2	8.2	32.0	31.9	102.8	102.8	8.1	8.1	4.4		7		-				-		-	
						4.0	0.0	44	17.8		8.2		31.9		102.8		8.1		4.4		6		-				-		-	
SR2	Rainy	Moderate	13:44	5.2	Surface	1.0	0.1	60	17.8	17.7	8.2	8.2	32.0	32.0	103.1	103.1	8.1	8.1	1.2	1.6	6	6	69	78	821476	814183	<0.2	<0.2	0.7	0.7
						1.0	0.1	53	17.6		8.2		32.0		103.1		8.1		1.2		4		69				<0.2		0.7	
					Middle	-	0.2	58	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.2	50	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	55	17.6	17.6	8.2	8.2	32.0	32.0	103.1	103.1	8.1	8.1	2.1		7		86				<0.2		0.7	
						4.2	0.2	56	17.6		8.2		32.0		103.1		8.1		2.0		6		86				<0.2		0.8	
SR3	Rainy	Rough	14:12	7.9	Surface	1.0	0.2	141	17.0	17.0	8.3	8.3	31.6	31.6	98.2	98.2	7.9	7.9	5.8	5.3	8	8	-	-	822141	807591	-	-	-	-
						1.0	0.1	134	17.0		8.3		31.6		98.2		7.9		5.9		6		-				-		-	
					Middle	4.0	0.2	136	17.0	17.0	8.3	8.3	31.6	31.6	98.1	98.1	7.8		4.5		7		-				-		-	
						4.0	0.2	134	17.0		8.3		31.6		98.1		7.8		4.6		8		-				-		-	
					Bottom	6.9	0.2	134	17.0	17.0	8.3	8.3	31.7	31.7	98.1	98.1	7.8	7.8	5.4		9		-				-		-	
						6.9	0.2	127	17.0		8.3		31.7		98.1		7.8		5.4		7		-				-		-	
SR4A	Rainy	Rough	15:46	10.3	Surface	1.0	0.0	16	17.2	17.2	8.2	8.2	31.6	31.6	94.0	94.0	7.5	7.5	3.8	4.8	9	8	-	-	817195	807815	-	-	-	-
						1.0	0.0	16	17.2		8.2		31.6		93.9		7.5		3.8		7		-				-		-	
					Middle	5.2	0.0	37	17.2	17.2	8.2	8.2	31.7	31.7	93.7	93.8	7.5		4.3		8		-				-		-	
						5.2	0.1	41	17.2		8.2		31.7		93.8		7.5		4.3		7		-				-		-	
					Bottom	9.3	0.0	12	17.2	17.2	8.2	8.2	31.7	31.7	94.8	94.8	7.5	7.5	6.2		8		-				-		-	
						9.3	0.0	7	17.2		8.2		31.7		94.8		7.5		6.3		8		-				-		-	
SR8	Rainy	Moderate	13:21	4.8	Surface	1.0	-	-	17.8	17.8	8.2	8.2	31.9	31.9	103.7	103.7	8.1	8.1	1.6	2.0	7	7	-	-	820388	811645	-	-	-	-
						1.0	-	-	17.8		8.2		31.9		103.7		8.1		1.5		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	17.7	17.7	8.2	8.2	32.0	32.0	103.7	103.7	8.2	8.2	2.4		5		-				-		-	
						3.8	-	-	17.7		8.2		32.0		103.6		8.2		2.4		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Rough	08:22	7.1	Surface	1.0	0.2	33	16.9	16.9	8.3	8.3	32.2	32.2	99.4	99.4	7.9	7.9	6.2	5.0	7	7	82	86	815613	804245	<0.2	<0.2	0.7	0.7
						1.0	0.1	30	16.9		8.3		32.2		99.4		7.9		6.3		8		83				<0.2		0.7	
					Middle	3.6	0.3	30	16.9	16.9	8.3	8.3	32.2	32.2	99.4	99.4	7.9		3.3		7		86				<0.2		0.7	
						3.6	0.2	30	16.9		8.3		32.2		99.4		7.9		3.3		6		86				<0.2		0.7	
					Bottom	6.1	0.2	8	16.9	16.9	8.3	8.3	32.1	32.1	99.4	99.4	7.9	7.9	5.6		5		90				<0.2		0.7	
						6.1	0.2	8	16.9		8.3		32.1		99.4		7.9		5.6		6		90				<0.2		0.7	
C2	Rainy	Rough	09:54	8.4	Surface	1.0	0.4	359	17.1	17.1	8.3	8.3	31.5	31.5	97.5	97.5	7.8	7.8	5.7	6.4	7	7	83	86	825659	806961	<0.2	<0.2	0.6	0.7
						1.0	0.4	0	17.1		8.3		31.5		97.5		7.8		5.7		8		83				<0.2		0.7	
					Middle	4.2	0.4	7	17.1	17.1	8.3	8.3	31.5	31.5	97.4	97.4	7.8		6.5		7		86				<0.2		0.7	
						4.2	0.4	11	17.1		8.3		31.5		97.4		7.8		6.4		5		86				<0.2		0.7	
					Bottom	7.4	0.4	346	17.1	17.1	8.3	8.3	31.5	31.5	97.4	97.4	7.8	7.8	7.2		6		90				<0.2		0.7	
						7.4	0.3	346	17.1		8.3		31.5		97.4		7.8		7.2		8		90				<0.2		0.6	
C3	Rainy	Moderate	09:23	12.0	Surface	1.0	0.5	276	17.6	17.6	8.0	8.0	31.8	31.8	103.4	103.4	8.1	8.1	2.3	3.2	4	5	44	72	822090	817783	<0.2	<0.2	0.7	0.7
						1.0	0.5	282	17.6		8.0		31.8		103.3		8.1		2.3		4		44				<0.2		0.8	
					Middle	6.0	0.4	272	17.8	17.8	8.0	8.0	31.8	31.8	103.3	103.3	8.1		3.3		6		86				<0.2		0.7	
						6.0	0.4	266	17.8		8.0		31.8		103.2		8.1		3.3		5		86				<0.2		0.7	
					Bottom	11.0	0.5	253	17.8	17.8	8.0	8.0	31.8	31.8	103.1	103.1	8.1	8.1	4.1		5		87				<0.2		0.7	
						11.0	0.4	249	17.8		8.0		31.8		103.1		8.1		4.1		5		87				<0.2		0.7	
IM1	Rainy	Rough	08:47	7.2	Surface	1.0	0.2	6	17.0	17.0	8.3	8.3	31.6	31.6	97.9	97.9	7.8	7.8	3.9	4.7	4	5	82	87	818368	806450	<0.2	<0.2	0.7	0.7
						1.0	0.1	6	17.0		8.3		31.6		97.9		7.8		3.9		5		82				<0.2		0.7	
					Middle	3.6	0.1	4	17.0	17.0	8.3	8.3	31.6	31.6	98.0	98.0	7.8		5.0		5		86				<0.2		0.7	
						3.6	0.1	6	17.0		8.3		31.6		98.0		7.8		5.0		4		87				<0.2		0.6	
					Bottom	6.2	0.1	359	17.0	17.0	8.3	8.3	31.6	31.6	98.4	98.4	7.9	7.9	5.1		6		91				<0.2		0.7	
						6.2	0.1	5	17.0		8.3		31.6		98.4		7.9		5.2		5		91				<0.2		0.7	
IM2	Rainy	Rough	08:53	8.4	Surface	1.0	0.2	348	17.1	17.1	8.3	8.3	31.5	31.5	97.8	97.8	7.8	7.8	4.1	4.7	4	4	83	87	819196	806242	<0.2	<0.2	0.7	0.7
						1.0	0.2	346	17.1		8.3		31.5		97.8		7.8		4.1		4		83				<0.2		0.6	
					Middle	4.2	0.1	347	17.1	17.1	8.3	8.3	31.5	31.5	97.8	97.8	7.8		4.2		5		87				<0.2		0.7	
						4.2	0.1	348	17.1		8.3		31.5		97.8		7.8		4.3		4		87				<0.2		0.7	
					Bottom	7.4	0.1	342	17.1	17.1	8.3	8.3	31.6	31.6	98.0	98.0	7.8	7.8	5.6		5		90				<0.2		0.7	
						7.4	0.1	339	17.1		8.3		31.6		98.0		7.8		5.6		4		90				<0.2		0.6	
IM7	Rainy	Rough	09:20	8.2	Surface	1.0	0.2	328	17.1	17.1	8.3	8.3	31.4	31.4	98.1	98.1	7.8	7.8	6.2	6.3	6	6	82	86	821334	806826	<0.2	<0.2	0.6	0.6
						1.0	0.2	330	17.1		8.3		31.4		98.1		7.8		6.2		4		82				<0.2		0.7	
					Middle	4.1	0.1	315	17.1	17.1	8.3	8.3	31.4	31.4	98.0	98.0	7.8		8.3		5		87				<0.2		0.6	
						4.1	0.2	314	17.1		8.3		31.4		98.0		7.8		8.3		6		87				<0.2		0.7	
					Bottom	7.2	0.2	354	17.1	17.1	8.3	8.3	31.4	31.4	98.3	98.3	7.8	7.9	4.4		7		90				<0.2		0.6	
						7.2	0.2	355	17.1		8.3		31.4		98.3		7.9		4.5		6		90				<0.2		0.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 19 February 22 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		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
IM10	Rainy	Moderate	10:09	8.0	Surface	1.0	0.3	290	17.8	17.8	8.2	8.2	31.9	31.9	103.8	103.9	8.2	8.2	4.0	5.2	5	6	49	73	822225	809847	<0.2	<0.2	0.7	0.7
						1.0	0.3	283	17.8		8.2		31.9		103.9		8.2		4.1		4		48				<0.2		0.8	
					Middle	4.0	0.3	282	17.8	17.8	8.2	8.2	31.9	31.9	103.9	103.9	8.2		5.1		4		83				<0.2		0.9	
						4.0	0.4	278	17.8		8.2		31.9		103.9		8.2		5.1		6		83				<0.2		0.7	
					Bottom	7.0	0.3	306	17.8	17.8	8.2	8.1	31.8	31.8	104.2	104.3	8.2	8.2	6.5		9		86				<0.2		0.6	
						7.0	0.3	310	17.8		8.1		31.8		104.3		8.2		6.5		8		86				<0.2		0.7	
IM11	Rainy	Moderate	10:02	7.6	Surface	1.0	0.4	277	17.8	17.8	8.1	8.1	32.0	32.0	103.9	103.9	8.2	8.2	3.3	4.2	6	5	48	75	821509	810523	<0.2	<0.2	0.7	0.8
						1.0	0.4	281	17.8		8.1		32.0		103.8		8.2		3.4		6		48				<0.2		0.7	
					Middle	3.8	0.4	299	17.8	17.8	8.1	8.1	32.0	32.0	103.8	103.8	8.2		4.0		4		86				<0.2		0.7	
						3.8	0.4	298	17.8		8.1		32.0		103.7		8.2		4.1		4		86				<0.2		0.9	
					Bottom	6.6	0.4	287	17.8	17.8	8.1	8.1	31.9	31.9	103.7	103.7	8.1	8.2	5.2		5		90				<0.2		0.9	
						6.6	0.3	282	17.8		8.1		31.9		103.6		8.2		5.2		4		90				<0.2		0.8	
IM12	Rainy	Moderate	09:57	8.4	Surface	1.0	0.4	282	17.8	17.8	8.1	8.1	31.9	31.9	103.3	103.3	8.1	8.1	3.5	4.4	4	4	45	73	821145	811522	<0.2	<0.2	0.7	0.8
						1.0	0.4	286	17.8		8.1		31.9		103.3		8.1		3.5		5		45				<0.2		0.6	
					Middle	4.2	0.5	264	17.8	17.8	8.1	8.1	31.9	31.9	103.3	103.3	8.1		4.1		4		86				<0.2		0.8	
						4.2	0.5	263	17.8		8.1		31.9		103.3		8.1		4.2		3		86				<0.2		0.9	
					Bottom	7.4	0.5	261	17.8	17.8	8.1	8.1	31.9	31.9	103.3	103.3	8.1	8.1	5.7		5		87				<0.2		0.8	
						7.4	0.5	262	17.8		8.1		31.9		103.3		8.1		5.7		5		87				<0.2		0.8	
SR1A	Rainy	Moderate	09:37	5.0	Surface	1.0	0.0	204	17.7	17.7	8.1	8.1	31.9	31.9	100.6	100.6	7.9	7.9	2.0	2.4	4	5	-	-	819971	812665	-	-	-	-
						1.0	0.0	207	17.7		8.1		31.9		100.6		7.9		1.9		4		-				-		-	
					Middle	2.5	0.0	201	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	0.0	199	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	187	17.7	17.7	8.1	8.1	31.9	31.9	100.7	100.9	7.9	8.0	2.9		5		-				-		-	
						4.0	0.1	180	17.7		8.1		31.9		101.1		8.1		2.9		7		-				-		-	
SR2	Rainy	Moderate	09:23	5.0	Surface	1.0	0.1	224	17.8	17.8	8.0	8.0	31.9	31.9	103.4	103.4	8.1	8.1	4.0	4.8	6	5	43	65	821454	814164	<0.2	<0.2	0.7	0.7
						1.0	0.2	216	17.8		8.0		31.9		103.4		8.1		4.1		5		43				<0.2		0.6	
					Middle	-	0.1	238	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	235	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	248	17.6	17.6	8.0	8.0	31.9	31.9	103.5	103.6	8.1	8.1	5.7		4		87				<0.2		0.7	
						4.0	0.1	251	17.6		8.0		31.9		103.6		8.1		5.6		5		87				<0.2		0.6	
SR3	Rainy	Rough	09:27	7.1	Surface	1.0	0.3	333	17.1	17.1	8.3	8.3	31.4	31.4	97.8	97.8	7.8	7.8	5.2	6.6	8	9	-	-	822142	807589	-	-	-	-
						1.0	0.3	336	17.1		8.3		31.4		97.8		7.8		5.2		10		-				-		-	
					Middle	3.6	0.3	351	17.1	17.1	8.3	8.3	31.4	31.4	97.7	97.7	7.8		7.3		7		-				-		-	
						3.6	0.2	354	17.1		8.3		31.4		97.7		7.8		7.4		9		-				-		-	
					Bottom	6.1	0.3	316	17.1	17.1	8.3	8.3	31.4	31.4	97.8	97.9	7.8	7.8	7.2		11		-				-		-	
						6.1	0.3	316	17.1		8.3		31.4		97.9		7.8		7.2		9		-				-		-	
SR4A	Rainy	Moderate	07:57	10.2	Surface	1.0	0.0	159	17.0	17.0	8.1	8.1	31.9	31.9	98.4	98.4	7.9	7.9	2.6	3.1	6	5	-	-	817169	807806	-	-	-	-
						1.0	0.0	157	17.0		8.1		31.9		98.4		7.9		2.5		4		-				-		-	
					Middle	5.1	0.1	160	17.0	17.0	8.1	8.1	31.9	31.9	98.1	98.1	7.8		2.7		5		-				-		-	
						5.1	0.1	161	17.0		8.1		31.9		98.1		7.8		2.8		5		-				-		-	
					Bottom	9.2	0.0	177	17.0	17.0	8.1	8.1	31.9	31.9	97.7	97.7	7.8	7.8	4.0		4		-				-		-	
						9.2	0.0	174	17.0		8.1		31.9		97.7		7.8		4.1		3		-				-		-	
SR8	Rainy	Moderate	09:54	5.0	Surface	1.0	-	-	17.8	17.8	8.2	8.2	31.9	31.9	102.9	102.9	8.1	8.1	3.3	3.7	5	4	-	-	820381	811605	-	-	-	-
						1.0	-	-	17.8		8.2		31.9		102.9		8.1		3.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	17.7	17.7	8.2	8.2	31.9	31.9	102.8	102.8	8.1	8.1	4.1		4		-				-		-	
						4.0	-	-	17.7		8.2		31.9		102.8		8.1		4.1		4		-				-		-	

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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	16:31	8.2	Surface	1.0	0.2	214	15.3	15.3	8.2	8.2	31.2	31.2	104.6	104.6	8.7	8.6	5.1	8.0	4	5	82	87	815636	804241	<0.2	<0.2	0.7	0.7
						1.0	0.2	212	15.3		8.2		31.2		104.5		8.6		5.1		5		83				<0.2		0.6	
					Middle	4.1	0.3	223	15.5	15.5	8.2	8.2	32.3	32.3	103.6	103.6	8.5		9.1		5		88				<0.2		0.7	
						4.1	0.2	224	15.5		8.2		32.3		103.6		8.5		9.1		5		88				<0.2		0.7	
					Bottom	7.2	0.3	234	15.5	15.5	8.2	8.2	32.5	32.5	104.5	104.8	8.6	8.6	9.6		5		90				<0.2		0.7	
						7.2	0.2	237	15.5		8.2		32.5		105.1		8.6		10.0		5		91				<0.2		0.6	
C2	Rainy	Moderate	15:07	10.2	Surface	1.0	0.2	168	15.5	15.5	8.2	8.2	31.0	31.0	102.4	102.3	8.5	8.4	3.6	3.8	5	4	82	86	825688	806937	<0.2	<0.2	0.8	0.8
						1.0	0.2	170	15.5		8.2		31.0		102.2		8.4		3.7		4		82				<0.2		0.8	
					Middle	5.1	0.2	187	15.8	15.8	8.2	8.2	31.6	31.6	101.7	101.6	8.3		4.0		3		86				<0.2		0.9	
						5.1	0.2	190	15.8		8.2		31.6		101.5		8.3		4.0		4		86				<0.2		0.8	
					Bottom	9.2	0.2	183	16.0	15.9	8.2	8.2	31.8	31.7	104.3	104.3	8.5	8.5	3.7		4		91				<0.2		0.8	
						9.2	0.2	189	15.8		8.2		31.6		104.3		8.5		3.8		4		91				<0.2		0.8	
C3	Rainy	Rough	17:07	10.5	Surface	1.0	0.4	91	15.6	15.6	8.3	8.3	31.6	31.6	93.6	93.6	7.7	7.7	1.7	1.7	5	3	82	86	822116	817824	<0.2	<0.2	0.6	0.6
						1.0	0.4	90	15.6		8.3		31.6		93.6		7.7		1.7		5		82				<0.2		0.7	
					Middle	5.3	0.4	76	15.6	15.6	8.3	8.3	31.7	31.7	92.7	92.7	7.6		1.4		3		87				<0.2		0.6	
						5.3	0.3	70	15.6		8.3		31.7		92.7		7.6		1.4		3		87				<0.2		0.7	
					Bottom	9.5	0.4	80	15.7	15.7	8.3	8.3	31.8	31.8	93.2	93.3	7.6	7.7	2.1		2		90				<0.2		0.5	
						9.5	0.4	85	15.7		8.3		31.8		93.4		7.7		2.0		2		90				<0.2		0.6	
IM1	Rainy	Moderate	16:10	6.1	Surface	1.0	0.1	178	15.1	15.2	8.2	8.2	31.3	31.5	105.1	104.7	8.7	8.6	4.2	4.9	4	5	82	87	818328	806445	<0.2	<0.2	0.7	0.7
						1.0	0.1	176	15.2		8.2		31.6		104.3		8.6		4.2		5		82				<0.2		0.7	
					Middle	3.1	0.1	189	15.3	15.3	8.2	8.2	32.1	32.2	103.9	103.7	8.6		4.4		5		87				<0.2		0.8	
						3.1	0.1	188	15.3		8.2		32.2		103.5		8.5		4.9		5		87				<0.2		0.7	
					Bottom	5.1	0.1	171	15.3	15.3	8.2	8.2	32.4	32.3	104.2	104.8	8.6	8.7	6.3		6		91				<0.2		0.7	
						5.1	0.1	174	15.3		8.2		32.2		105.3		8.7		5.6		7		91				<0.2		0.7	
IM2	Rainy	Moderate	16:04	6.5	Surface	1.0	0.1	182	15.2	15.2	8.2	8.2	31.7	31.8	104.4	104.4	8.6	8.6	4.8	5.0	9	8	82	87	819188	806255	<0.2	<0.2	0.6	0.6
						1.0	0.1	175	15.2		8.2		31.8		104.3		8.6		4.8		8		84				<0.2		0.6	
					Middle	3.3	0.2	179	15.2	15.2	8.2	8.2	32.1	32.1	104.2	104.2	8.6		5.1		7		87				<0.2		0.6	
						3.3	0.2	175	15.2		8.2		32.1		104.2		8.6		5.0		8		88				<0.2		0.7	
					Bottom	5.5	0.1	167	15.2	15.2	8.3	8.3	32.2	32.2	103.8	103.9	8.6	8.6	5.1		7		92				<0.2		0.5	
						5.5	0.1	166	15.2		8.3		32.2		103.9		8.6		5.1		7		91				<0.2		0.6	
IM7	Rainy	Moderate	15:40	7.0	Surface	1.0	0.1	117	15.3	15.3	8.2	8.2	32.0	32.0	103.0	103.0	8.5	8.5	4.5	4.4	5	7	83	88	821368	806854	<0.2	<0.2	0.5	0.5
						1.0	0.1	124	15.3		8.2		32.0		102.9		8.5		4.4		6		83				<0.2		0.6	
					Middle	3.5	0.1	127	15.3	15.3	8.2	8.2	32.1	32.1	102.9	102.9	8.5		4.3		7		88				<0.2		0.6	
						3.5	0.2	119	15.3		8.2		32.1		102.9		8.5		4.3		7		88				<0.2		0.4	
					Bottom	6.0	0.1	144	15.3	15.3	8.2	8.2	32.0	32.0	103.4	103.8	8.5	8.6	4.4		8		92				<0.2		0.5	
						6.0	0.2	148	15.3		8.2		32.1		104.2		8.6		4.6		8		92				<0.2		0.6	

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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		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
IM10	Rainy	Rough	15:14	8.2	Surface	1.0	0.2	82	15.4	15.4	8.2	8.2	31.3	31.3	93.2	93.2	7.7	7.7	4.3	4.3	4	5	83	86	822247	809819	<0.2	<0.2	0.6	0.6
						1.0	0.1	78	15.4		8.2		31.3		93.2		7.7				4		83				<0.2		0.6	
					Middle	4.1	0.2	83	15.4	15.4	8.2	8.2	31.3	31.3	93.0	93.1	7.7				5		86				<0.2		0.5	
						4.1	0.1	84	15.4		8.2		31.3		93.1		7.7				4		86				<0.2		0.6	
					Bottom	7.2	0.2	96	15.4	15.4	8.2	8.2	31.3	31.3	93.4	93.5	7.7	7.7			7		90				<0.2		0.6	
						7.2	0.2	88	15.4		8.2		31.3		93.5		7.7				8		90				<0.2		0.6	
IM11	Rainy	Rough	15:23	8.1	Surface	1.0	0.3	84	15.5	15.5	8.2	8.2	31.4	31.4	93.4	93.4	7.7	7.7	2.3	2.3	6	5	78	86	821494	810547	<0.2	<0.2	0.6	0.7
						1.0	0.3	82	15.5		8.2		31.4		93.4		7.7				7		79				<0.2		0.6	
					Middle	4.1	0.3	101	15.5	15.5	8.2	8.2	31.4	31.4	93.4	93.4	7.7				4		87				<0.2		0.7	
						4.1	0.3	106	15.5		8.2		31.4		93.4		7.7				5		87				<0.2		0.7	
					Bottom	7.1	0.3	108	15.5	15.5	8.3	8.3	31.4	31.4	93.8	93.8	7.7	7.7			4		91				<0.2		0.6	
						7.1	0.3	111	15.5		8.3		31.4		93.8		7.7				4		91				<0.2		0.8	
IM12	Rainy	Rough	15:31	9.4	Surface	1.0	0.3	81	15.6	15.6	8.2	8.2	31.5	31.5	93.4	93.4	7.7	7.7	4.4	4.4	3	4	79	83	821159	811523	<0.2	<0.2	0.6	0.7
						1.0	0.3	82	15.6		8.2		31.5		93.3		7.7				3		79				<0.2		0.7	
					Middle	4.7	0.3	69	15.6	15.6	8.2	8.2	31.5	31.5	93.2	93.3	7.7				4		83				<0.2		0.7	
						4.7	0.3	66	15.6		8.2		31.5		93.3		7.7				4		83				<0.2		0.7	
					Bottom	8.4	0.3	66	15.6	15.6	8.3	8.3	31.5	31.5	93.9	94.0	7.7	7.7			5		87				<0.2		0.6	
						8.4	0.3	68	15.6		8.3		31.5		94.0		7.7				6		87				<0.2		0.6	
SR1A	Rainy	Moderate	16:00	4.8	Surface	1.0	0.0	82	15.1	15.1	8.3	8.3	30.6	30.6	92.5	92.5	7.7	7.7	4.0	4.0	3.3	5	-	-	819980	812664	-	-	-	-
						1.0	0.1	80	15.1		8.3		30.7		92.5		7.7				3.3		4				-		-	
					Middle	2.4	0.0	81	-	-	-	-	-	-	-	-	-				-		-				-		-	
						2.4	0.0	79	-		-		-		-		-				-		-				-		-	
					Bottom	3.8	-	96	15.1	15.1	8.3	8.3	30.7	30.7	92.3	92.4	7.7	7.7			6		-				-		-	
						3.8	-	95	15.1		8.3		30.7		92.4		7.7				6		-				-		-	
SR2	Rainy	Moderate	16:16	5.1	Surface	1.0	0.2	65	15.6	15.6	8.3	8.3	31.6	31.6	93.7	93.8	7.7	7.7	2.3	2.3	4	4	83	85	821452	814157	<0.2	<0.2	0.6	0.6
						1.0	0.2	62	15.6		8.3		31.6		93.8		7.7				4		83				<0.2		0.5	
					Middle	-	0.2	49	-	-	-	-	-	-	-	-	-				-		-				-		-	
						-	0.3	50	-		-		-		-		-				-		-				-		-	
					Bottom	4.1	0.2	32	15.6	15.6	8.3	8.3	31.7	31.7	95.5	95.8	7.8	7.9			4		87				<0.2		0.7	
						4.1	0.3	27	15.6		8.3		31.7		96.0		7.9				4		88				<0.2		0.7	
SR3	Rainy	Moderate	15:32	8.3	Surface	1.0	0.2	137	15.3	15.3	8.2	8.2	31.7	31.7	103.0	103.0	8.5	8.5	6.0	6.0	7	7	-	-	822138	807573	-	-	-	-
						1.0	0.2	135	15.3		8.2		31.7		103.0		8.5				7		-				-		-	
					Middle	4.2	0.2	151	15.3	15.3	8.2	8.2	31.8	31.8	102.9	102.9	8.5				6		-				-		-	
						4.2	0.2	150	15.3		8.2		31.8		102.9		8.5				7		-				-		-	
					Bottom	7.3	0.2	136	15.3	15.3	8.2	8.2	31.9	31.9	103.0	103.1	8.5	8.5			6		-				-		-	
						7.3	0.2	129	15.3		8.2		31.9		103.1		8.5				6		-				-		-	
SR4A	Rainy	Calm	16:52	8.3	Surface	1.0	0.0	71	15.1	15.1	8.2	8.2	31.8	31.8	104.9	104.9	8.7	8.7	4.7	4.7	5	6	-	-	817199	807788	-	-	-	-
						1.0	0.0	68	15.1		8.2		31.8		104.8		8.7				5		-				-		-	
					Middle	4.2	0.1	70	15.1	15.1	8.2	8.2	31.9	31.9	104.6	104.6	8.7				5		-				-		-	
						4.2	0.1	75	15.1		8.2		31.9		104.5		8.6				6		-				-		-	
					Bottom	7.3	0.0	77	15.1	15.1	8.2	8.2	32.2	32.2	104.2	104.2	8.6	8.6			6		-				-		-	
						7.3	0.0	70	15.1		8.2		32.2		104.2		8.6				6		-				-		-	
SR8	Rainy	Moderate	15:37	4.3	Surface	1.0	-	-	15.3	15.3	8.3	8.3	30.8	30.8	94.7	94.7	7.9	7.9	2.7	2.7	4	4	-	-	820379	811608	-	-	-	-
						1.0	-	-	15.3		8.3		30.8		94.7		7.9				3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						-	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	3.3	-	-	15.5	15.5	8.3	8.3	31.3	31.3	94.8	94.9	7.8	7.8			5		-				-		-	
						3.3	-	-	15.5		8.3		31.3		94.9		7.8				5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Rainy	Moderate	10:57	8.4	Surface	1.0	0.3	22	15.2	15.2	8.2	8.2	31.5	31.5	104.3	104.3	8.6	8.6	5.5	7.9	9	8	82	86	815606	804240	<0.2	<0.2	0.7	0.7
						1.0	0.3	18	15.2		8.2		31.5		104.2		8.6		5.6		8		82				<0.2		0.7	
					Middle	4.2	0.4	33	15.2	15.2	8.2	8.2	32.2	32.2	103.5	103.5	8.5		8.8		8		87				<0.2		0.7	
						4.2	0.5	32	15.2		8.2		32.2		103.5		8.5		8.9		8		87				<0.2		0.6	
					Bottom	7.4	0.3	20	15.3	15.3	8.2	8.2	32.4	32.3	104.2	104.2	8.6	8.6	9.5		6		90				<0.2		0.7	
						7.4	0.3	14	15.2		8.2		32.3		104.2		8.6		9.5		6		90				<0.2		0.6	
C2	Rainy	Moderate	12:14	10.7	Surface	1.0	0.3	359	15.5	15.5	8.2	8.2	30.9	30.9	101.9	101.9	8.4	8.4	3.7	3.9	3	5	82	86	825694	806938	<0.2	<0.2	0.9	0.8
						1.0	0.3	3	15.5		8.2		31.0		101.8		8.4		3.7		4		82				<0.2		0.9	
					Middle	5.4	0.3	349	15.9	15.9	8.2	8.2	31.6	31.6	101.5	101.6	8.3		4.2		5		87				<0.2		0.8	
						5.4	0.3	345	15.9		8.2		31.6		101.6		8.3		4.1		6		87				<0.2		0.8	
					Bottom	9.7	0.4	1	16.0	16.0	8.2	8.2	31.7	31.7	102.1	102.2	8.3	8.3	3.8		6		90				<0.2		0.8	
						9.7	0.4	1	16.0		8.2		31.7		102.2		8.3		3.9		7		90				<0.2		0.8	
C3	Rainy	Rough	09:42	11.3	Surface	1.0	0.4	260	15.6	15.6	8.1	8.1	31.6	31.6	92.6	92.6	7.6	7.6	2.4	5.9	4	4	83	87	822093	817788	<0.2	<0.2	0.7	0.6
						1.0	0.4	261	15.6		8.1		31.7		92.5		7.6		2.5		4		83				<0.2		0.6	
					Middle	5.7	0.4	273	15.7	15.7	8.1	8.1	31.8	31.8	92.4	92.4	7.6		7.4		4		86				<0.2		0.6	
						5.7	0.4	276	15.7		8.1		31.8		92.3		7.6		7.5		4		86				<0.2		0.7	
					Bottom	10.3	0.4	270	15.8	15.8	8.1	8.1	31.8	31.8	92.1	92.1	7.5	7.5	7.7		2		90				<0.2		0.6	
						10.3	0.3	276	15.8		8.1		31.8		92.1		7.5		7.8		3		91				<0.2		0.5	
IM1	Rainy	Moderate	11:18	6.8	Surface	1.0	0.2	26	15.3	15.3	8.2	8.2	32.1	32.1	103.0	103.0	8.5	8.5	6.7	7.6	5	4	83	88	818347	806450	<0.2	<0.2	0.6	0.6
						1.0	0.3	24	15.3		8.2		32.1		103.0		8.5		6.3		5		83				<0.2		0.6	
					Middle	3.4	0.2	29	15.3	15.3	8.2	8.2	32.3	32.3	102.9	102.9	8.5		8.0		4		88				<0.2		0.7	
						3.4	0.3	31	15.3		8.2		32.3		102.9		8.5		8.0		4		88				<0.2		0.6	
					Bottom	5.8	0.3	37	15.3	15.3	8.2	8.2	32.3	32.3	101.6	101.6	8.4	8.4	8.2		3		91				<0.2		0.7	
						5.8	0.3	39	15.3		8.2		32.3		101.6		8.4		8.2		3		92				<0.2		0.6	
IM2	Rainy	Moderate	11:25	7.0	Surface	1.0	0.2	28	15.1	15.1	8.2	8.2	31.6	31.6	104.3	104.3	8.6	8.6	4.9	5.9	4	5	83	87	819167	806216	<0.2	<0.2	0.7	0.6
						1.0	0.2	34	15.1		8.2		31.6		104.3		8.6		4.9		4		82				<0.2		0.6	
					Middle	3.5	0.3	18	15.2	15.2	8.2	8.2	31.8	31.8	103.4	103.4	8.6		5.6		6		87				<0.2		0.6	
						3.5	0.3	14	15.2		8.2		31.8		103.3		8.5		5.7		5		87				<0.2		0.7	
					Bottom	6.0	0.3	32	15.3	15.3	8.2	8.2	32.2	32.2	103.2	103.2	8.5	8.5	7.0		5		90				<0.2		0.6	
						6.0	0.2	29	15.3		8.2		32.2		103.2		8.5		7.1		6		90				<0.2		0.6	
IM7	Rainy	Moderate	11:47	7.6	Surface	1.0	0.2	358	15.7	15.7	8.2	8.2	31.5	31.5	102.2	102.2	8.4	8.4	3.3	3.4	5	4	82	86	821343	806811	<0.2	<0.2	0.6	0.7
						1.0	0.3	359	15.7		8.2		31.5		102.2		8.4		3.3		5		82				<0.2		0.6	
					Middle	3.8	0.2	336	15.7	15.7	8.2	8.2	31.7	31.7	101.7	101.7	8.3		3.4		3		86				<0.2		0.7	
						3.8	0.2	343	15.7		8.2		31.7		101.7		8.3		3.4		4		86				<0.2		0.6	
					Bottom	6.6	0.2	355	15.7	15.7	8.2	8.2	31.8	31.8	102.4	102.4	8.4	8.4	3.5		3		90				<0.2		0.8	
						6.6	0.1	357	15.7		8.2		31.8		102.4		8.4		3.5		4		90				<0.2		0.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 February 22 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		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
IM10	Rainy	Rough	11:02	8.7	Surface	1.0	0.4	285	15.2	15.2	8.3	8.3	31.2	31.2	93.6	93.6	7.8	7.8	2.5	3.3	9	7	83	87	822242	809848	<0.2	<0.2	0.6	0.6
						1.0	0.4	292	15.2		8.3		31.2		93.6		7.8		2.6		9		87				<0.2		0.6	
					Middle	4.4	0.4	283	15.2	15.2	8.3	8.3	31.2	31.2	93.6	93.6	7.8		3.1		6		83				<0.2		0.6	
						4.4	0.4	275	15.2		8.3		31.2		93.6		7.8		3.1		6		87				<0.2		0.6	
					Bottom	7.7	0.4	277	15.2	15.2	8.3	8.3	31.2	31.2	93.7	93.7	7.8	7.8	4.4		5		91				<0.2		0.6	
						7.7	0.4	283	15.2		8.3		31.2		93.7		7.8		4.4		6		91				<0.2		0.5	
IM11	Rainy	Rough	10:53	8.5	Surface	1.0	0.5	276	15.4	15.4	8.3	8.3	31.3	31.3	93.6	93.6	7.7	7.8	4.9	8.1	5	6	83	87	821504	810555	<0.2	<0.2	0.7	0.6
						1.0	0.5	272	15.4		8.3		31.3		93.6		7.7		4.9		4		83				<0.2		0.5	
					Middle	4.3	0.5	281	15.3	15.3	8.3	8.3	31.3	31.3	93.8	93.8	7.8		8.8		5		87				<0.2		0.6	
						4.3	0.5	284	15.3		8.3		31.3		93.8		7.8		8.8		6		87				<0.2		0.6	
					Bottom	7.5	0.5	274	15.3	15.3	8.3	8.3	31.2	31.2	94.4	94.5	7.8	7.8	10.8		6		90				<0.2		0.5	
						7.5	0.5	278	15.3		8.3		31.3		94.5		7.8		10.8		7		90				<0.2		0.6	
IM12	Rainy	Rough	10:47	9.4	Surface	1.0	0.5	297	15.4	15.4	8.3	8.3	31.3	31.3	93.4	93.4	7.7	7.7	2.8	4.1	5	7	79	84	821168	811506	<0.2	<0.2	0.6	0.6
						1.0	0.5	289	15.4		8.3		31.3		93.4		7.7		2.8		6		79				<0.2		0.5	
					Middle	4.7	0.5	280	15.4	15.4	8.3	8.3	31.4	31.4	93.4	93.5	7.7		4.1		8		83				<0.2		0.6	
						4.7	0.5	274	15.4		8.3		31.4		93.5		7.7		4.2		7		83				<0.2		0.6	
					Bottom	8.4	0.5	275	15.4	15.4	8.3	8.3	31.3	31.3	94.5	94.6	7.8	7.8	5.3		9		90				<0.2		0.6	
						8.4	0.5	278	15.4		8.3		31.3		94.7		7.8		5.3		9		90				<0.2		0.6	
SR1A	Rainy	Moderate	10:17	4.7	Surface	1.0	0.1	197	15.1	15.1	8.2	8.2	30.7	30.7	92.0	92.0	7.7	7.7	3.9	2.9	7	7	-	-	819972	812664	-	-	-	-
						1.0	0.0	202	15.1		8.2		30.7		92.0		7.7		4.0		8		-				-		-	
					Middle	2.4	0.1	211	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	0.0	215	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	175	15.1	15.1	8.2	8.2	30.7	30.7	93.0	93.1	7.8	7.8	1.9		5		-				-		-	
						3.7	0.1	173	15.1		8.3		30.7		93.2		7.8		1.9		6		-				-		-	
SR2	Rainy	Moderate	10:00	5.3	Surface	1.0	0.1	255	15.5	15.5	8.2	8.2	31.5	31.5	94.7	94.8	7.8	7.8	2.1	2.3	7	6	82	85	821452	814151	<0.2	<0.2	0.6	0.6
						1.0	0.1	255	15.5		8.2		31.5		94.9		7.8		2.1		8		82				<0.2		0.7	
					Middle	-	0.1	256	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	251	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	270	15.4	15.4	8.2	8.2	31.5	31.5	96.1	96.2	7.9	7.9	2.4		5		87				<0.2		0.5	
						4.3	0.1	274	15.4		8.2		31.5		96.3		7.9		2.5		4		87				<0.2		0.6	
SR3	Rainy	Moderate	11:55	8.6	Surface	1.0	0.3	327	15.8	15.8	8.2	8.2	31.6	31.6	102.7	102.7	8.4	8.4	3.5	3.5	3	3	-	-	822136	807561	-	-	-	-
						1.0	0.3	331	15.8		8.2		31.6		102.7		8.4		3.5		2		-				-		-	
					Middle	4.3	0.3	326	15.7	15.7	8.2	8.2	31.8	31.8	102.5	102.5	8.4		3.5		3		-				-		-	
						4.3	0.3	321	15.7		8.2		31.8		102.5		8.4		3.5		4		-				-		-	
					Bottom	7.6	0.3	337	15.7	15.7	8.2	8.2	31.8	31.8	102.6	102.6	8.4	8.4	3.7		4		-				-		-	
						7.6	0.3	331	15.7		8.2		31.8		102.6		8.4		3.7		4		-				-		-	
SR4A	Rainy	Calm	10:34	8.8	Surface	1.0	0.0	217	15.3	15.3	8.2	8.2	30.9	30.9	101.3	101.3	8.4	8.4	4.2	4.7	5	6	-	-	817172	807786	-	-	-	-
						1.0	0.0	212	15.3		8.2		30.9		101.3		8.4		4.2		4		-				-		-	
					Middle	4.4	0.0	198	15.3	15.3	8.2	8.2	31.2	31.2	101.6	101.6	8.4		4.4		6		-				-		-	
						4.4	0.0	192	15.3		8.2		31.2		101.6		8.4		4.4		6		-				-		-	
					Bottom	7.8	0.0	232	15.3	15.3	8.2	8.2	32.1	32.1	103.4	103.8	8.5	8.6	5.4		6		-				-		-	
						7.8	0.0	238	15.3		8.2		32.0		104.2		8.6		5.4		7		-				-		-	
SR8	Rainy	Moderate	10:41	5.5	Surface	1.0	-	-	15.3	15.3	8.3	8.3	31.2	31.2	93.9	93.9	7.8	7.8	2.6	2.8	6	7	-	-	820391	811614	-	-	-	-
						1.0	-	-	15.3		8.3		31.2		93.9		7.8		2.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	15.3	15.3	8.3	8.3	31.2	31.2	94.5	94.6	7.8	7.8	2.9		7		-				-		-	
						4.5	-	-	15.3		8.3		31.2		94.6		7.8		2.9		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	04:50	8.3	Surface	1.0	0.0	53	15.3	15.3	8.3	8.3	31.6	31.6	102.4	102.6	8.4	8.5	6.7	8.7	3	3	82	86	815615	804232	<0.2	<0.2	0.4	0.4
						1.0	0.1	52	15.3		8.3		31.6		102.7		8.5		6.5		2		82				<0.2		0.4	
					Middle	4.2	0.0	51	15.1	15.1	8.2	8.2	32.2	32.2	103.8	104.0	8.6		9.0		2		87				<0.2		0.4	
						4.2	0.0	43	15.1		8.2		32.2		104.1		8.6		9.2		4		87				<0.2		0.4	
					Bottom	7.3	0.0	44	15.1	15.1	8.2	8.2	32.5	32.3	102.4	102.4	8.5	8.5	10.5		3		90				<0.2		0.4	
						7.3	0.0	38	15.1		8.2		32.1		102.4		8.4		10.4		4		90				<0.2		0.3	
C2	Cloudy	Rough	06:04	11.0	Surface	1.0	0.1	182	15.5	15.5	8.2	8.2	30.8	30.9	103.3	103.4	8.4	8.4	2.5	3.2	2	3	83	87	825702	806931	<0.2	<0.2	0.4	0.4
						1.0	0.1	186	15.5		8.2		31.0		103.5		8.6		2.8		3		82				<0.2		0.4	
					Middle	5.5	0.1	174	16.0	16.0	8.1	8.1	31.6	31.6	101.9	101.7	8.4		3.4		2		87				<0.2		0.4	
						5.5	0.1	175	16.0		8.1		31.5		101.5		8.3		3.8		3		87				<0.2		0.4	
					Bottom	10.0	0.2	191	16.0	16.0	8.3	8.3	31.8	31.7	101.7	101.5	8.3	8.3	3.3		2		90				<0.2		0.4	
						10.0	0.2	196	16.0		8.3		31.5		101.3		8.2		3.4		3		90				<0.2		0.4	
C3	Cloudy	Rough	04:27	11.3	Surface	1.0	0.1	283	15.6	15.6	8.3	8.3	31.6	31.7	92.4	92.3	7.6	7.5	3.7	6.3	3	3	82	86	822089	817793	<0.2	<0.2	0.5	0.4
						1.0	0.1	277	15.6		8.3		31.8		92.2		7.6		3.3		3		82				<0.2		0.4	
					Middle	5.7	0.1	251	15.6	15.6	8.2	8.2	31.6	31.7	90.3	90.4	7.4		8.6		3		86				<0.2		0.3	
						5.7	0.1	244	15.6		8.2		31.8		90.4		7.4		8.4		3		86				<0.2		0.3	
					Bottom	10.3	0.0	268	15.7	15.7	8.1	8.1	31.7	31.7	92.8	93.0	7.6	7.6	6.6		4		90				<0.2		0.3	
						10.3	0.0	272	15.7		8.1		31.7		93.1		7.6		6.9		3		91				<0.2		0.4	
IM1	Cloudy	Rough	05:09	6.4	Surface	1.0	0.1	181	15.3	15.3	8.2	8.2	32.2	32.2	101.0	100.9	8.3	8.4	6.6	7.6	5	4	83	88	818333	806446	<0.2	<0.2	0.4	0.4
						1.0	0.1	186	15.3		8.2		32.2		100.8		8.3		6.5		4		83				<0.2		0.3	
					Middle	3.2	0.0	165	15.3	15.3	8.2	8.2	32.3	32.4	103.0	103.1	8.5		8.7		3		88				<0.2		0.4	
						3.2	-	168	15.3		8.2		32.5		103.1		8.5		8.9		4		88				<0.2		0.4	
					Bottom	5.4	0.0	203	15.2	15.2	8.1	8.1	32.4	32.3	103.2	103.0	8.5	8.5	7.5		3		92				<0.2		0.5	
						5.4	0.0	198	15.2		8.1		32.2		102.7		8.5		7.3		4		92				<0.2		0.3	
IM2	Cloudy	Rough	05:16	7.3	Surface	1.0	0.0	152	15.0	15.0	8.3	8.3	31.7	31.7	105.3	105.2	8.6	8.5	4.1	5.6	3	3	83	87	819161	806226	<0.2	<0.2	0.4	0.4
						1.0	0.0	157	15.0		8.3		31.6		105.1		8.7		4.4		2		83				<0.2		0.3	
					Middle	3.7	0.0	164	15.3	15.3	8.1	8.1	31.6	31.7	100.9	100.9	8.3		4.9		3		87				<0.2		0.4	
						3.7	0.1	163	15.3		8.1		31.7		100.8		8.3		4.9		2		87				<0.2		0.4	
					Bottom	6.3	0.1	161	15.4	15.4	8.1	8.1	32.3	32.3	103.2	103.4	8.5	8.5	7.4		3		90				<0.2		0.4	
						6.3	0.1	165	15.4		8.1		32.2		103.6		8.5		7.7		4		90				<0.2		0.4	
IM7	Cloudy	Rough	05:37	7.4	Surface	1.0	0.1	148	15.7	15.7	8.1	8.1	31.6	31.7	101.1	101.3	8.3	8.4	3.5	3.1	3	3	82	86	821349	806806	<0.2	<0.2	0.3	0.4
						1.0	0.1	150	15.7		8.1		31.7		101.4		8.3		3.2		2		82				<0.2		0.4	
					Middle	3.7	0.1	144	15.7	15.7	8.1	8.1	31.8	31.9	102.5	102.6	8.4		2.5		4		86				<0.2		0.3	
						3.7	0.1	140	15.7		8.1		31.9		102.7		8.4		2.5		3		86				<0.2		0.4	
					Bottom	6.4	0.1	171	15.7	15.7	8.4	8.4	31.9	31.9	103.1	103.2	8.4	8.5	3.3		4		90				<0.2		0.3	
						6.4	0.1	175	15.7		8.4		31.8		103.3		8.5		3.3		3		90				<0.2		0.4	

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Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 February 22 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		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
IM10	Cloudy	Rough	06:25	8.7	Surface	1.0	0.1	107	15.2	15.2	8.2	8.2	31.3	31.3	91.3	91.4	7.3	7.5	2.8	3.8	3	5	82	87	822248	809856	<0.2	<0.2	0.3	0.4
						1.0	0.1	102	15.2		8.2		31.2		91.5		7.6		2.9		3		87				<0.2		0.4	
					Middle	4.4	0.2	120	15.2	15.2	8.3	8.3	31.2	31.2	91.0	91.1	7.5		3.0		5		82				<0.2		0.4	
						4.4	0.2	126	15.2		8.3		31.1		91.2		7.6		3.4		4		88				<0.2		0.4	
					Bottom	7.7	0.2	134	15.3	15.3	8.4	8.4	31.3	31.3	94.3	94.3	7.8	7.8	5.5		6		90				<0.2		0.3	
						7.7	0.2	135	15.3		8.4		31.3		94.2		7.8		5.2		6		91				<0.2		0.4	
IM11	Cloudy	Rough	05:55	8.5	Surface	1.0	0.1	92	15.3	15.3	8.4	8.4	31.1	31.3	93.7	93.9	7.8	7.8	4.2	8.5	3	3	83	87	821515	810559	<0.2	<0.2	0.4	0.3
						1.0	0.1	92	15.3		8.4		31.4		94.1		7.8		4.5		2		83				<0.2		0.2	
					Middle	4.3	0.1	105	15.4	15.4	8.1	8.1	31.3	31.3	94.6	94.5	7.8		9.7		3		87				<0.2		0.4	
						4.3	0.1	105	15.4		8.1		31.2		94.4		7.8		9.6		3		87				<0.2		0.3	
					Bottom	7.5	0.1	115	15.3	15.3	8.3	8.3	31.1	31.2	94.1	94.0	7.8	7.8	11.6		2		90				<0.2		0.3	
						7.5	0.1	115	15.3		8.3		31.2		93.9		7.8		11.1		2		90				<0.2		0.3	
IM12	Cloudy	Rough	05:37	9.4	Surface	1.0	0.1	111	15.3	15.3	8.4	8.4	31.2	31.3	95.1	95.2	7.9	7.8	2.0	4.2	3	3	79	84	821161	811518	<0.2	<0.2	0.4	0.4
						1.0	0.0	107	15.3		8.4		31.3		95.2		7.9		2.1		2		79				<0.2		0.3	
					Middle	4.7	0.1	90	15.3	15.3	8.2	8.2	31.2	31.4	92.2	92.2	7.6		4.7		3		82				<0.2		0.4	
						4.7	0.1	89	15.3		8.2		31.5		92.1		7.6		5.0		4		82				<0.2		0.3	
					Bottom	8.4	0.1	76	15.5	15.5	8.1	8.1	31.3	31.3	95.5	95.4	7.9	7.9	5.7		4		90				<0.2		0.4	
						8.4	0.0	77	15.5		8.1		31.3		95.2		7.8		5.4		4		90				<0.2		0.3	
SR1A	Cloudy	Rough	05:13	4.7	Surface	1.0	0.0	6	15.0	15.0	8.1	8.1	30.7	30.7	93.5	93.5	7.7	7.8	2.8	2.5	2	2	-	-	819979	812651	-	-	-	-
						1.0	0.0	7	15.0		8.1		30.6		93.5		7.8		3.1		2		-				-		-	
					Middle	2.4	0.0	357	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	0.0	3	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.0	-	15.0	15.0	8.2	8.2	30.7	30.8	93.5	93.3	7.8	7.8	2.0		2		-				-		-	
						3.7	0.0	359	15.0		8.2		30.9		93.0		7.8		2.0		2		-				-		-	
SR2	Cloudy	Rough	04:49	5.3	Surface	1.0	0.0	316	15.6	15.6	8.2	8.2	31.5	31.5	95.6	95.7	8.0	8.0	0.9	2.1	2	3	82	85	821454	814157	<0.2	<0.2	0.3	0.4
						1.0	0.1	313	15.6		8.2		31.4		95.8		7.9		1.0		2		82				<0.2		0.4	
					Middle	-	-	342	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	334	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.0	321	15.3	15.3	8.3	8.3	31.6	31.6	97.3	97.4	8.0	8.0	3.4		3		87				<0.2		0.4	
						4.3	0.0	314	15.3		8.3		31.5		97.4		8.0		3.2		3		87				<0.2		0.3	
SR3	Cloudy	Rough	05:45	8.7	Surface	1.0	0.1	151	15.9	15.9	8.3	8.3	31.7	31.7	100.1	100.2	8.1	8.2	3.8	3.9	3	3	-	-	822128	807564	-	-	-	-
						1.0	0.1	144	15.9		8.3		31.7		100.2		8.2		3.9		3		-				-		-	
					Middle	4.4	0.1	176	15.8	15.8	8.2	8.2	31.8	31.8	99.8	100.0	8.2		4.4		2		-				-		-	
						4.4	0.1	178	15.8		8.2		31.7		100.2		8.2		4.0		3		-				-		-	
					Bottom	7.7	0.1	179	15.8	15.8	8.2	8.2	31.7	31.9	105.4	105.2	8.6	8.6	3.6		2		-				-		-	
						7.7	0.0	177	15.8		8.2		32.0		105.0		8.6		3.4		2		-				-		-	
SR4A	Cloudy	Rough	04:31	8.6	Surface	1.0	0.0	303	15.2	15.2	8.3	8.3	30.8	30.9	101.5	101.5	8.4	8.4	5.1	4.4	2	3	-	-	817179	807783	-	-	-	-
						1.0	0.0	296	15.2		8.3		31.0		101.5		8.4		4.6		2		-				-		-	
					Middle	4.3	0.0	297	15.4	15.4	8.2	8.2	31.1	31.1	100.2	100.5	8.3		4.1		2		-				-		-	
						4.3	0.1	303	15.4		8.2		31.1		100.7		8.4		3.7		3		-				-		-	
					Bottom	7.6	0.0	310	15.2	15.2	8.1	8.1	32.1	32.1	104.0	104.0	8.6	8.6	4.6		3		-				-		-	
						7.6	0.0	312	15.2		8.1		32.0		104.0		8.6		4.4		3		-				-		-	
SR8	Cloudy	Rough	05:26	5.5	Surface	1.0	-	-	15.3	15.3	8.1	8.1	31.2	31.2	91.9	92.0	7.6	7.6	2.7	2.7	3	4	-	-	820384	811607	-	-	-	-
						1.0	-	-	15.3		8.1		31.1		92.0		7.6		2.7		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	15.4	15.4	8.2	8.2	31.3	31.2	96.7	96.8	8.0	8.0	2.8		5		-				-		-	
						4.5	-	-	15.4		8.2		31.1		96.8		8.0		2.6		6		-				-		-	

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Water Quality Monitoring
Water Quality Monitoring Results on 24 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	12:05	8.7	Surface	1.0	0.2	44	15.2	15.2	8.1	8.1	31.2	31.3	107.0	107.0	8.8	8.7	5.4	8.6	3	3	82	87	815644	804240	<0.2	<0.2	0.4	0.4
						1.0	0.2	47	15.2		8.1		31.3		107.0		8.9		5.5		3		82				<0.2		0.3	
					Middle	4.4	0.3	33	15.6	15.6	8.2	8.2	32.3	32.3	103.6	103.5	8.6		9.4		3		88				<0.2		0.4	
						4.4	0.2	27	15.6		8.2		32.3		103.3		8.4		9.4		4		88				<0.2		0.5	
					Bottom	7.7	0.3	32	15.4	15.4	8.3	8.3	32.4	32.5	103.8	103.9	8.5	8.5	10.9		4		90				<0.2		0.4	
						7.7	0.3	36	15.4		8.3		32.5		103.9		8.5		10.9		3		91				<0.2		0.5	
C2	Cloudy	Rough	10:11	10.7	Surface	1.0	0.0	204	15.6	15.6	8.2	8.2	30.9	31.0	101.4	101.5	8.3	8.4	4.0	3.3	3	3	82	86	825693	806944	<0.2	<0.2	0.4	0.4
						1.0	0.0	204	15.6		8.2		31.0		101.5		8.4		3.7		3		82				<0.2		0.4	
					Middle	5.4	0.1	174	15.8	15.8	8.3	8.3	31.6	31.6	102.8	102.8	8.5		3.6		3		86				<0.2		0.3	
						5.4	0.1	174	15.8		8.3		31.6		102.7		8.4		3.5		3		86				<0.2		0.3	
					Bottom	9.7	0.1	177	15.8	15.8	8.3	8.3	31.7	31.7	106.5	106.5	8.7	8.7	2.4		3		91				<0.2		0.4	
						9.7	0.1	181	15.8		8.3		31.7		106.4		8.7		2.5		3		91				<0.2		0.4	
C3	Cloudy	Rough	12:27	10.5	Surface	1.0	0.4	251	15.5	15.6	8.3	8.3	31.6	31.7	91.1	92.4	7.3	7.6	1.4	1.8	3	4	82	86	822107	817830	<0.2	<0.2	0.3	0.4
						1.0	0.4	256	15.7		8.2		31.7		93.6		7.7		1.5		3		82				<0.2		0.3	
					Middle	5.3	0.4	279	15.7	15.8	8.2	8.3	31.7	31.7	93.8	92.6	7.7		1.4		3		87				<0.2		0.4	
						5.3	0.4	283	15.8		8.4		31.6		91.3		7.5		1.4		4		87				<0.2		0.3	
					Bottom	9.5	0.4	268	15.8	15.8	8.4	8.4	31.7	31.8	91.1	91.5	7.4	7.5	2.3		5		90				<0.2		0.5	
						9.5	0.4	274	15.7		8.4		31.8		91.8		7.5		2.6		6		90				<0.2		0.5	
IM1	Cloudy	Rough	11:45	6.4	Surface	1.0	0.2	4	15.1	15.1	8.3	8.3	31.4	31.5	105.3	105.4	8.6	8.6	3.9	4.9	4	4	82	87	818349	806446	<0.2	<0.2	0.5	0.5
						1.0	0.2	6	15.1		8.3		31.5		105.4		8.7		4.3		5		82				<0.2		0.4	
					Middle	3.2	0.2	-	15.2	15.2	8.1	8.1	32.2	32.2	102.1	102.0	8.5		4.2		3		87				<0.2		0.6	
						3.2	0.2	5	15.2		8.1		32.2		101.9		8.4		4.7		4		87				<0.2		0.4	
					Bottom	5.4	0.2	35	15.3	15.3	8.4	8.4	32.4	32.3	106.2	106.3	8.8	8.8	6.0		3		91				<0.2		0.4	
						5.4	0.2	29	15.3		8.4		32.1		106.4		8.7		6.0		3		91				<0.2		0.5	
IM2	Cloudy	Rough	11:27	6.3	Surface	1.0	0.1	350	15.3	15.3	8.2	8.2	31.6	31.7	103.6	103.6	8.5	8.5	4.9	4.8	4	4	83	87	819179	806251	<0.2	<0.2	0.4	0.4
						1.0	0.1	349	15.3		8.2		31.8		103.6		8.6		4.5		5		84				<0.2		0.4	
					Middle	3.2	0.1	336	15.1	15.1	8.1	8.1	32.2	32.2	101.9	102.0	8.4		5.0		4		87				<0.2		0.4	
						3.2	0.1	339	15.1		8.1		32.1		102.1		8.4		4.8		4		87				<0.2		0.4	
					Bottom	5.3	0.1	328	15.1	15.1	8.4	8.4	32.3	32.3	105.7	105.7	8.7	8.7	4.9		4		92				<0.2		0.4	
						5.3	0.1	321	15.1		8.4		32.2		105.6		8.7		4.4		3		91				<0.2		0.4	
IM7	Cloudy	Rough	11:16	7.3	Surface	1.0	0.1	302	15.2	15.2	8.1	8.1	32.1	32.1	103.0	102.9	8.5	8.6	4.3	4.2	5	6	83	88	821359	806861	<0.2	<0.2	0.5	0.4
						1.0	0.1	299	15.2		8.1		32.0		102.8		8.5		4.6		4		82				<0.2		0.5	
					Middle	3.7	0.1	309	15.4	15.4	8.3	8.3	32.1	32.1	104.4	104.5	8.6		3.8		6		88				<0.2		0.3	
						3.7	0.1	302	15.4		8.3		32.1		104.6		8.6		3.7		6		88				<0.2		0.4	
					Bottom	6.3	0.1	310	15.3	15.3	8.2	8.2	31.9	32.0	104.8	104.8	8.6	8.6	4.3		6		92				<0.2		0.4	
						6.3	0.2	311	15.3		8.2		32.0		104.8		8.6		4.5		7		92				<0.2		0.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 February 22 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		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
IM10	Cloudy	Rough	10:11	8.2	Surface	1.0	0.1	263	15.4	15.4	8.4	8.3	31.2	31.3	95.4	94.6	7.9	7.8	4.4	4.6	5	7	82	86	822241	809826	<0.2	<0.2	0.3	0.4
						1.0	0.1	260	15.4		8.1		31.3		93.7		7.7		4.2		6		82				<0.2		0.4	
					Middle	4.1	0.1	245	15.4	15.5	8.1	8.2	31.5	31.5	93.8	93.7	7.7		3.4		7		86				<0.2		0.4	
						4.1	0.1	249	15.5		8.2		31.4		93.5		7.7		3.5		7		86				<0.2		0.3	
					Bottom	7.2	0.1	263	15.5	15.5	8.2	8.2	31.2	31.3	93.2	92.2	7.7	7.8	5.9		7		90				<0.2		0.4	
						7.2	0.1	264	15.4		8.2		31.4		91.2		7.8		6.0		7		90				<0.2		0.3	
IM11	Cloudy	Rough	10:43	8.1	Surface	1.0	0.2	257	15.4	15.5	8.4	8.3	31.5	31.5	95.7	94.3	7.9	7.8	1.2	2.2	6	4	79	86	821499	810554	<0.2	<0.2	0.3	0.4
						1.0	0.2	257	15.6		8.1		31.4		92.8		7.7		1.3		5		78				<0.2		0.4	
					Middle	4.1	0.2	257	15.6	15.6	8.1	8.1	31.6	31.5	92.8	94.1	7.6		2.2		3		87				<0.2		0.4	
						4.1	0.3	253	15.6		8.1		31.4		95.3		7.8		2.0		4		87				<0.2		0.3	
					Bottom	7.1	0.2	276	15.6	15.5	8.1	8.3	31.4	31.5	95.4	95.4	7.8	7.8	3.1		4		91				<0.2		0.3	
						7.1	0.1	274	15.4		8.4		31.5		95.3		7.8		3.3		3		91				<0.2		0.4	
IM12	Cloudy	Rough	11:16	9.4	Surface	1.0	0.3	272	15.7	15.7	8.3	8.3	31.5	31.5	92.7	93.5	7.6	7.7	2.0	1.8	2	3	79	83	821145	811518	<0.2	<0.2	0.4	0.4
						1.0	0.3	276	15.7		8.2		31.4		94.3		7.7		2.2		3		79				<0.2		0.4	
					Middle	4.7	0.3	264	15.7	15.7	8.2	8.2	31.4	31.4	94.6	94.9	7.8		2.3		2		83				<0.2		0.4	
						4.7	0.2	266	15.7		8.2		31.4		95.2		7.8		2.2		3		83				<0.2		0.3	
					Bottom	8.4	0.3	280	15.7	15.6	8.2	8.3	31.6	31.5	95.4	95.4	7.8	7.8	1.0		3		87				<0.2		0.3	
						8.4	0.3	277	15.4		8.4		31.4		95.4		7.8		1.1		2		87				<0.2		0.3	
SR1A	Cloudy	Rough	11:45	4.8	Surface	1.0	0.0	213	15.2	15.2	8.4	8.4	30.6	30.6	94.5	93.0	7.8	7.7	3.2	2.2	7	5	-	-	819979	812677	-	-	-	-
						1.0	0.0	219	15.2		8.3		30.5		91.4		7.6		2.8		6		-				-		-	
					Middle	2.4	0.0	234	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	0.0	239	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	216	15.2	15.3	8.3	8.3	30.7	30.6	91.1	93.6	7.6	7.8	1.4		4		-				-		-	
						3.8	0.1	216	15.4		8.3		30.5		96.1		8.0		1.5		4		-				-		-	
SR2	Cloudy	Rough	12:05	5.1	Surface	1.0	0.1	272	15.7	15.7	8.4	8.3	31.6	31.6	91.5	94.5	7.5	7.8	2.2	2.7	4	3	83	85	821457	814169	<0.2	<0.2	0.4	0.4
						1.0	0.1	266	15.7		8.2		31.6		97.4		8.0		2.3		3		83				<0.2		0.3	
					Middle	-	0.1	277	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	278	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	249	15.7	15.5	8.2	8.3	31.8	31.7	97.8	96.4	8.0	7.9	3.1		3		87				<0.2		0.3	
						4.1	0.1	246	15.2		8.4		31.6		94.9		7.8		3.3		2		87				<0.2		0.4	
SR3	Cloudy	Rough	10:43	8.6	Surface	1.0	0.0	258	15.3	15.3	8.1	8.1	31.6	31.7	100.7	100.7	8.3	8.4	5.8	5.9	3	4	-	-	822134	807582	-	-	-	-
						1.0	0.0	260	15.3		8.1		31.8		100.7		8.3		5.8		2		-				-		-	
					Middle	4.3	0.1	271	15.2	15.2	8.3	8.3	31.8	31.9	101.4	101.5	8.4		5.4		3		-				-		-	
						4.3	0.0	275	15.2		8.3		31.9		101.5		8.4		5.8		4		-				-		-	
					Bottom	7.6	0.1	248	15.4	15.4	8.4	8.4	31.7	31.9	101.6	101.9	8.4	8.4	6.5		4		-				-		-	
						7.6	0.2	245	15.4		8.4		32.0		102.1		8.4		6.2		5		-				-		-	
SR4A	Cloudy	Rough	12:26	8.5	Surface	1.0	0.1	222	15.1	15.1	8.3	8.3	31.9	31.9	104.8	105.0	8.3	8.6	5.0	4.7	7	5	-	-	817203	807791	-	-	-	-
						1.0	0.1	223	15.1		8.3		31.9		105.1		8.7		5.1		6		-				-		-	
					Middle	4.3	0.0	217	15.0	15.0	8.2	8.2	31.9	32.0	103.9	104.1	8.6		3.3		5		-				-		-	
						4.3	-	222	15.0		8.2		32.0		104.2		8.6		3.6		5		-				-		-	
					Bottom	7.5	0.0	225	15.2	15.2	8.3	8.3	32.3	32.2	106.3	106.3	8.8	8.8	5.5		4		-				-		-	
						7.5	0.0	226	15.2		8.3		32.1		106.2		8.7		5.4		4		-				-		-	
SR8	Cloudy	Rough	11:27	4.3	Surface	1.0	-	-	15.4	15.4	8.3	8.2	30.7	30.8	96.4	94.1	8.0	7.8	2.4	2.3	4	5	-	-	820363	811613	-	-	-	-
						1.0	-	-	15.4		8.1		30.8		91.8		7.6		2.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	15.4	15.6	8.1	8.2	31.2	31.2	92.3	92.8	7.6	7.7	2.1		5		-				-		-	
						3.3	-	-	15.7		8.3		31.2		93.2		7.7		2.2		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	21:39	8.2	Surface	1.0	0.5	217	15.2	15.2	8.1	8.1	31.1	31.3	102.1	102.3	8.5	8.6	4.3	7.5	2	4	86	89	815635	804241	<0.2	<0.2	0.5	0.5
						1.0	0.5	210	15.2		8.1		31.4		102.5		8.5		3.9		3		85				<0.2		0.6	
					Middle	4.1	0.5	191	15.5	15.5	8.1	8.1	32.2	32.3	104.4	104.5	8.6		9.9		4		89				<0.2		0.5	
						4.1	0.5	196	15.5		8.1		32.3		104.5		8.6		10.1		4		89				<0.2		0.5	
					Bottom	7.2	0.5	208	15.5	15.5	8.5	8.5	32.6	32.5	102.4	102.6	8.4	8.4	8.1		5		91				<0.2		0.5	
						7.2	0.5	210	15.5		8.5		32.4		102.7		8.4		8.4		5		92				<0.2		0.5	
C2	Fine	Rough	20:11	10.2	Surface	1.0	0.3	173	15.3	15.3	8.1	8.1	30.9	31.0	98.9	99.0	8.2	8.1	3.9	3.9	5	5	87	90	825683	806941	<0.2	<0.2	0.6	0.5
						1.0	0.3	176	15.3		8.1		31.1		99.0		8.2		4.4		5		87				<0.2		0.5	
					Middle	5.1	0.4	180	15.6	15.6	8.2	8.2	31.5	31.7	97.7	97.6	8.1		3.1		4		89				<0.2		0.5	
						5.1	0.3	179	15.6		8.2		31.8		97.5		8.0		3.3		5		90				<0.2		0.5	
					Bottom	9.2	0.3	168	15.7	15.7	8.3	8.3	31.6	31.6	103.9	104.1	8.5	8.5	4.4		5		92				<0.2		0.4	
						9.2	0.4	172	15.7		8.3		31.6		104.2		8.5		4.0		4		92				<0.2		0.5	
C3	Fine	Rough	21:57	11.0	Surface	1.0	0.4	84	15.7	15.7	8.2	8.3	31.7	31.7	92.2	92.9	7.5	7.7	1.2	1.7	6	6	84	88	822113	817819	<0.2	<0.2	0.6	0.5
						1.0	0.5	79	15.7		8.4		31.6		93.5		7.7		1.3		6		84				<0.2		0.5	
					Middle	5.5	0.4	84	15.7	15.7	8.4	8.3	31.6	31.7	93.6	93.9	7.7		2.0		4		87				<0.2		0.5	
						5.5	0.4	88	15.7		8.2		31.8		94.1		7.7		1.9		6		88				<0.2		0.4	
					Bottom	10.0	0.4	94	15.7	15.6	8.2	8.2	31.8	31.8	93.9	94.1	7.7	7.7	2.0		6		91				<0.2		0.4	
						10.0	0.4	93	15.5		8.2		31.8		94.2		7.7		1.8		6		92				<0.2		0.5	
IM1	Fine	Rough	21:23	6.1	Surface	1.0	0.3	206	15.1	15.1	8.3	8.3	31.3	31.6	105.5	105.3	8.6	8.6	3.0	4.2	3	4	86	88	818327	806450	<0.2	<0.2	0.4	0.5
						1.0	0.4	204	15.1		8.3		31.8		105.0		8.7		3.4		4		87				<0.2		0.5	
					Middle	3.1	0.4	178	15.2	15.2	8.1	8.1	31.9	32.1	103.1	103.4	8.5		4.9		3		87				<0.2		0.4	
						3.1	0.4	178	15.2		8.1		32.3		103.6		8.6		5.1		4		87				<0.2		0.5	
					Bottom	5.1	0.3	200	15.3	15.3	8.3	8.3	32.3	32.3	101.6	101.7	8.4	8.4	4.6		5		90				<0.2		0.5	
						5.1	0.3	204	15.3		8.3		32.3		101.7		8.4		4.2		5		89				<0.2		0.5	
IM2	Fine	Rough	21:11	6.5	Surface	1.0	0.4	208	15.0	15.0	8.2	8.2	31.7	31.8	100.4	100.5	8.3	8.3	4.3	5.3	4	4	85	88	819192	806262	<0.2	<0.2	0.4	0.4
						1.0	0.3	202	15.0		8.2		31.9		100.6		8.4		4.7		4		85				<0.2		0.4	
					Middle	3.3	0.3	177	15.4	15.4	8.0	8.0	32.0	32.2	100.1	100.0	8.3		6.0		3		88				<0.2		0.4	
						3.3	0.4	173	15.4		8.0		32.3		99.8		8.2		6.3		3		89				<0.2		0.4	
					Bottom	5.5	0.3	174	15.2	15.2	8.0	8.0	32.2	32.2	103.9	103.8	8.5	8.5	5.5		4		90				<0.2		0.5	
						5.5	0.3	167	15.2		8.0		32.2		103.7		8.5		5.1		4		90				<0.2		0.5	
IM7	Fine	Rough	20:41	7.0	Surface	1.0	0.2	157	15.2	15.2	8.2	8.2	32.0	32.1	100.8	101.0	8.3	8.4	4.9	4.5	4	6	85	88	821373	806850	<0.2	<0.2	0.4	0.5
						1.0	0.2	158	15.2		8.2		32.1		101.1		8.3		5.0		6		85				<0.2		0.6	
					Middle	3.5	0.2	148	15.3	15.3	8.2	8.2	31.9	32.0	101.9	101.9	8.4		3.6		6		88				<0.2		0.5	
						3.5	0.2	143	15.3		8.2		32.0		101.8		8.4		3.8		6		88				<0.2		0.4	
					Bottom	6.0	0.2	158	15.3	15.3	8.2	8.2	32.1	32.1	106.4	106.3	8.8	8.8	4.8		6		90				<0.2		0.5	
						6.0	0.2	160	15.3		8.2		32.1		106.1		8.7		4.7		5		91				<0.2		0.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 February 22 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		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
IM10	Fine	Rough	20:12	8.2	Surface	1.0	0.3	117	15.4	15.5	8.2	8.2	31.4	31.4	95.2	94.0	7.9	7.7	4.6	3.5	6	6	85	89	822248	809814	<0.2	<0.2	0.4	0.5
						1.0	0.3	121	15.6		8.2		31.3		92.7		7.6		4.0		6		86				<0.2		0.4	
					Middle	4.1	0.4	95	15.6	15.4	8.2	8.3	31.5	31.4	93.1	92.2	7.7		3.5		6		89				<0.2		0.6	
						4.1	0.4	92	15.2		8.3		31.2		91.3		7.5		3.2		5		90				<0.2		0.4	
					Bottom	7.2	0.3	115	15.2	15.3	8.3	4.1	31.4	31.4	91.3	91.3	7.6	7.7	6.4		6		91				<0.2		0.5	
						7.2	0.3	113	15.4		-0.2		31.3		91.2		7.7		-0.5		4		91				<0.2		0.5	
IM11	Fine	Rough	20:28	8.3	Surface	1.0	0.4	89	15.4	15.5	8.1	8.2	31.2	31.3	90.0	90.5	7.4	7.6	1.8	2.6	8	6	83	89	821489	810555	<0.2	<0.2	0.4	0.5
						1.0	0.4	83	15.5		8.2		31.3		91.0		7.5		2.0		6		84				<0.2		0.5	
					Middle	4.2	0.5	108	15.5	15.5	8.2	8.2	31.6	31.6	90.7	92.5	7.5		1.6		5		90				<0.2		0.5	
						4.2	0.5	107	15.4		8.2		31.5		94.3		7.8		1.7		6		91				<0.2		0.5	
					Bottom	7.3	0.5	114	15.4	15.4	8.2	8.2	31.5	31.5	94.1	94.6	7.8	7.8	4.0		4		92				<0.2		0.4	
						7.3	0.4	116	15.4		8.2		31.4		95.1		7.8		4.2		4		96				<0.2		0.5	
IM12	Fine	Rough	20:37	9.4	Surface	1.0	0.4	85	15.7	15.7	8.1	8.1	31.3	31.3	93.2	92.6	7.6	7.6	2.4	2.8	4	5	85	88	821152	811529	<0.2	<0.2	0.5	0.5
						1.0	0.4	79	15.7		8.0		31.3		91.9		7.5		2.5		6		85				<0.2		0.5	
					Middle	4.7	0.4	112	15.7	15.7	8.0	8.2	31.5	31.5	91.6	92.2	7.5		3.4		4		86				<0.2		0.4	
						4.7	0.5	117	15.6		8.4		31.4		92.8		7.6		3.5		5		89				<0.2		0.5	
					Bottom	8.4	0.5	112	15.6	15.5	8.4	8.3	31.5	31.4	93.2	91.7	7.7	7.6	2.6		5		91				<0.2		0.5	
						8.4	0.5	108	15.4		8.1		31.3		90.2		7.4		2.6		4		91				<0.2		0.5	
SR1A	Fine	Moderate	21:10	4.8	Surface	1.0	0.0	68	15.1	15.1	8.2	8.3	30.5	30.6	91.4	91.1	7.6	7.6	4.0	3.8	6	5	-	-	819972	812662	-	-	-	-
						1.0	0.0	61	15.1		8.4		30.6		90.8		7.6		4.3		5		-				-		-	
					Middle	2.4	0.0	51	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	0.0	49	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	47	15.1	15.3	8.4	8.3	30.9	30.8	91.0	91.6	7.6	7.7	3.5		4		-				-		-	
						3.8	0.0	39	15.5		8.2		30.6		92.1		7.7		3.3		5		-				-		-	
SR2	Fine	Moderate	21:26	5.1	Surface	1.0	0.6	36	15.5	15.6	8.2	8.3	31.6	31.6	93.8	95.2	7.7	7.8	1.4	1.7	4	4	89	91	821448	814163	<0.2	<0.2	0.5	0.5
						1.0	0.6	38	15.7		8.4		31.6		96.6		7.9		1.5		4		90				<0.2		0.5	
					Middle	-	0.5	25	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.5	26	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.6	24	15.7	15.4	8.4	8.3	31.5	31.6	96.2	94.0	7.9	7.7	2.0		3		91				<0.2		0.4	
						4.1	0.5	28	15.1		8.2		31.7		91.7		7.5		1.8		4		92				<0.2		0.4	
SR3	Fine	Rough	20:35	8.3	Surface	1.0	0.3	158	15.3	15.3	8.2	8.2	31.8	31.7	103.0	103.3	8.5	8.6	4.9	5.1	6	5	-	-	822143	807569	-	-	-	-
						1.0	0.4	162	15.3		8.2		31.6		103.5		8.5		4.9		5		-				-		-	
					Middle	4.2	0.3	151	15.3	15.3	8.1	8.1	31.8	31.8	104.1	104.0	8.6		5.9		4		-				-		-	
						4.2	0.3	154	15.3		8.1		31.8		103.8		8.6		6.0		4		-				-		-	
					Bottom	7.3	0.4	166	15.3	15.3	8.3	8.3	31.9	31.9	101.4	101.4	8.4	8.4	4.3		5		-				-		-	
						7.3	0.4	160	15.3		8.3		31.8		101.4		8.4		4.3		5		-				-		-	
SR4A	Fine	Rough	21:59	8.3	Surface	1.0	0.0	75	15.0	15.0	8.1	8.1	32.0	31.9	104.4	104.6	8.8	8.8	3.9	4.7	6	6	-	-	817202	807783	-	-	-	-
						1.0	0.0	70	15.0		8.1		31.7		104.8		8.7		4.0		6		-				-		-	
					Middle	4.2	0.1	73	15.0	15.0	8.0	8.0	32.0	32.0	105.7	105.8	8.8		2.9		6		-				-		-	
						4.2	0.1	70	15.0		8.0		32.0		105.9		8.8		3.2		5		-				-		-	
					Bottom	7.3	0.0	46	14.9	14.9	8.1	8.1	32.2	32.3	104.9	104.9	8.7	8.7	7.1		5		-				-		-	
						7.3	0.0	48	14.9		8.1		32.3		104.8		8.7		6.8		5		-				-		-	
SR8	Fine	Moderate	20:49	5.2	Surface	1.0	-	-	15.5	15.4	8.2	8.2	30.7	30.9	92.5	93.9	7.7	7.8	2.8	2.5	6	5	-	-	820374	811614	-	-	-	-
						1.0	-	-	15.3		8.2		31.0		95.3		7.9		2.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	15.3	15.5	8.2	8.2	31.4	31.4	95.0	94.0	7.9	7.8	2.2		4		-				-		-	
						4.2	-	-	15.7		8.1		31.3		93.0		7.7		2.1		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 26 February 22 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		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	07:57	8.5	Surface	1.0	0.1	37	15.2	15.2	8.1	8.1	31.4	31.4	107.6	107.7	8.9	8.8	6.1	8.4	4	5	85	89	815612	804233	<0.2	<0.2	0.4	0.4
						1.0	0.1	36	15.2		8.1		31.4		107.7		8.9		6.4		4		86				<0.2		0.5	
					Middle	4.3	0.1	37	15.2	15.2	8.2	8.2	32.0	32.1	104.9	104.8	8.7		9.7		4		89				<0.2		0.4	
						4.3	0.1	35	15.2		8.2		32.2		104.7		8.6		9.2		5		89				<0.2		0.4	
					Bottom	7.5	0.1	28	15.3	15.3	8.4	8.4	32.5	32.4	104.7	104.9	8.6	8.6	9.3		6		91				<0.2		0.4	
						7.5	0.1	35	15.3		8.4		32.2		105.1		8.6		9.4		5		92				<0.2		0.5	
C2	Fine	Rough	09:14	10.4	Surface	1.0	0.0	179	15.4	15.4	8.2	8.2	31.0	30.9	99.6	99.4	8.1	8.3	4.0	3.9	4	5	86	89	825691	806931	<0.2	<0.2	0.4	0.4
						1.0	0.1	171	15.4		8.2		30.8		99.2		8.2		4.2		3		87				<0.2		0.4	
					Middle	5.2	0.1	184	15.9	15.9	8.3	8.3	31.6	31.7	102.1	102.2	8.5		3.9		5		89				<0.2		0.5	
						5.2	0.1	188	15.9		8.3		31.8		102.2		8.3		3.7		4		90				<0.2		0.5	
					Bottom	9.4	0.0	197	16.2	16.2	8.0	8.0	31.9	31.8	102.1	102.1	8.3	8.3	3.6		5		91				<0.2		0.4	
						9.4	0.1	191	16.2		8.0		31.6		102.0		8.3		3.7		6		92				<0.2		0.4	
C3	Fine	Rough	08:36	11.1	Surface	1.0	0.1	152	15.7	15.7	8.0	8.0	31.4	31.6	90.5	90.6	7.5	7.5	1.4	5.6	6	5	85	89	822089	817782	<0.2	<0.2	0.5	0.4
						1.0	0.1	154	15.7		8.0		31.7		90.7		7.4		1.5		6		86				<0.2		0.4	
					Middle	5.6	0.1	157	15.8	15.8	8.2	8.2	32.0	31.9	93.2	93.2	7.6		8.2		5		90				<0.2		0.4	
						5.6	0.1	156	15.8		8.2		31.8		93.2		7.6		8.2		4		89				<0.2		0.4	
					Bottom	10.1	0.0	161	15.9	15.9	8.0	8.0	31.9	31.8	90.8	90.7	7.4	7.4	7.1		6		91				<0.2		0.5	
						10.1	0.0	161	15.9		8.0		31.6		90.6		7.4		7.3		5		92				<0.2		0.4	
IM1	Fine	Moderate	08:18	6.6	Surface	1.0	0.0	12	15.2	15.2	8.2	8.2	32.2	32.3	104.0	103.9	8.6	8.7	6.1	7.4	4	4	87	88	818348	806458	<0.2	<0.2	0.5	0.5
						1.0	0.1	12	15.2		8.2		32.3		103.7		8.5		6.4		4		86				<0.2		0.5	
					Middle	3.3	0.1	36	15.2	15.2	8.2	8.2	32.5	32.3	107.1	107.4	8.8		6.5		6		88				<0.2		0.5	
						3.3	0.1	42	15.2		8.2		32.1		107.6		8.9		6.8		5		88				<0.2		0.5	
					Bottom	5.6	0.1	5	15.2	15.2	8.3	8.3	32.2	32.3	101.9	101.8	8.4	8.4	9.6		4		90				<0.2		0.5	
						5.6	0.1	7	15.2		8.3		32.4		101.6		8.4		9.1		3		91				<0.2		0.5	
IM2	Fine	Rough	08:25	7.2	Surface	1.0	0.1	31	15.1	15.1	8.3	8.3	31.7	31.7	101.0	101.0	8.2	8.5	4.8	5.6	4	4	85	88	819161	806219	<0.2	<0.2	0.4	0.4
						1.0	0.1	31	15.1		8.3		31.7		100.9		8.4		4.4		4		85				<0.2		0.4	
					Middle	3.6	0.1	30	15.0	15.0	8.0	8.0	31.8	31.8	104.9	105.1	8.7		5.1		4		88				<0.2		0.4	
						3.6	0.1	27	15.0		8.0		31.8		105.3		8.7		5.1		3		88				<0.2		0.4	
					Bottom	6.2	0.1	7	15.1	15.1	8.2	8.2	32.0	32.2	100.4	100.5	8.3	8.3	7.0		5		91				<0.2		0.5	
						6.2	0.1	14	15.1		8.2		32.3		100.5		8.3		7.2		5		91				<0.2		0.4	
IM7	Fine	Moderate	08:47	7.7	Surface	1.0	0.1	83	15.9	15.9	8.1	8.1	31.6	31.7	99.1	99.1	8.1	8.3	4.6	3.9	5	6	85	88	821332	806817	<0.2	<0.2	0.4	0.5
						1.0	0.1	78	15.9		8.1		31.8		99.1		8.1		4.3		7		85				<0.2		0.4	
					Middle	3.9	0.1	78	15.6	15.6	8.4	8.4	31.7	31.8	102.5	102.7	8.4		4.0		6		88				<0.2		0.5	
						3.9	0.0	74	15.6		8.4		31.9		102.9		8.4		3.9		6		88				<0.2		0.4	
					Bottom	6.7	0.1	84	15.8	15.8	8.2	8.2	31.7	31.9	104.5	104.3	8.6	8.6	3.0		6		91				<0.2		0.5	
						6.7	0.1	83	15.8		8.2		32.0		104.1		8.5		3.3		4		90				<0.2		0.5	

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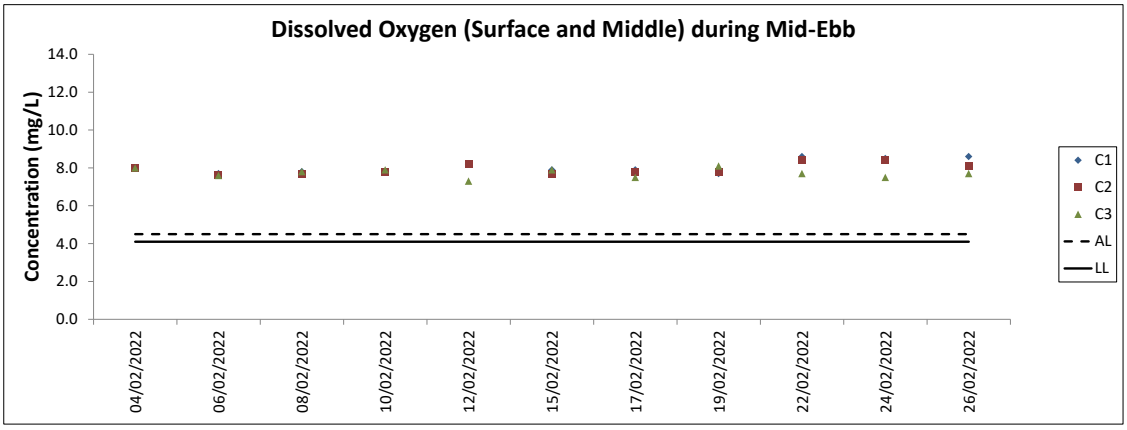
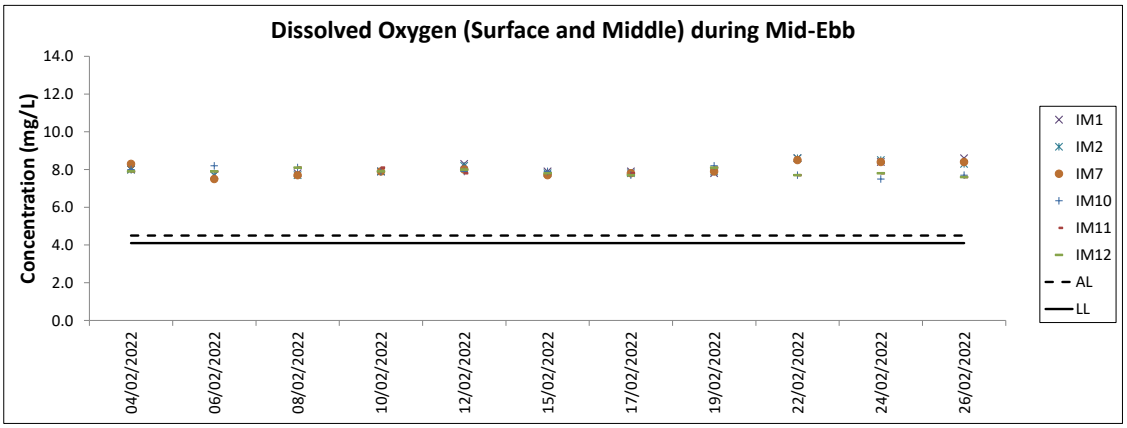
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity		Coordinate HK Grid (Northing)	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
IM10	Fine	Rough	10:44	8.4	Surface	1.0	0.1	125	15.0	15.0	8.2	8.2	31.0	31.0	93.4	93.3	7.7	7.8	1.9	3.3	6	6	85	89	822248	809837	<0.2	<0.2	0.5	0.5
						1.0	0.1	121	15.0		8.2		31.0		93.1		7.8		1.7		5		86				<0.2		0.5	
					Middle	4.2	0.1	131	15.0	15.0	8.2	8.2	31.4	31.3	93.5	93.7	7.8		2.9		7		89				<0.2		0.5	
						4.2	0.1	129	15.0		8.2		31.2		93.9		7.8		2.8		5		90				<0.2		0.5	
					Bottom	7.4	0.1	140	15.0	15.0	8.0	8.0	31.1	31.2	96.3	96.2	8.0	8.0	5.3		6		92				<0.2		0.5	
						7.4	0.1	132	15.0		8.0		31.3		96.1		8.0		5.1		7		92				<0.2		0.5	
IM11	Fine	Rough	10:17	8.8	Surface	1.0	0.1	93	15.2	15.2	8.1	8.1	31.3	31.4	91.5	91.6	7.6	7.6	5.6	8.6	3	5	86	88	821500	810558	<0.2	<0.2	0.4	0.4
						1.0	0.0	89	15.2		8.1		31.4		91.6		7.6		5.7		3		86				<0.2		0.4	
					Middle	4.4	0.1	102	15.3	15.3	8.2	8.2	31.1	31.3	92.1	92.1	7.6		9.5		5		89				<0.2		0.5	
						4.4	0.1	103	15.3		8.2		31.5		92.0		7.6		9.2		6		89				<0.2		0.4	
					Bottom	7.8	0.1	86	15.3	15.3	8.2	8.2	31.2	31.2	95.4	95.3	7.9	7.9	10.8		5		90				<0.2		0.5	
						7.8	0.1	92	15.3		8.2		31.1		95.1		7.9		10.5		6		90				<0.2		0.4	
IM12	Fine	Rough	09:59	9.6	Surface	1.0	0.1	90	15.4	15.4	8.2	8.2	31.2	31.3	95.2	95.1	7.9	7.8	4.5	5.1	6	5	85	89	821163	811513	<0.2	<0.2	0.5	0.4
						1.0	0.1	91	15.4		8.2		31.4		95.0		7.8		4.2		4		86				<0.2		0.4	
					Middle	4.8	0.1	85	15.6	15.6	8.2	8.2	31.4	31.4	94.9	95.0	7.8		5.4		5		89				<0.2		0.5	
						4.8	0.1	86	15.6		8.2		31.3		95.0		7.8		5.1		4		90				<0.2		0.4	
					Bottom	8.6	0.1	90	15.3	15.3	8.1	8.1	31.2	31.3	95.0	94.8	7.8	7.8	5.7		6		92				<0.2		0.4	
						8.6	0.1	94	15.3		8.1		31.3		94.6		7.8		5.8		6		92				<0.2		0.4	
SR1A	Fine	Moderate	09:16	4.8	Surface	1.0	0.0	123	15.0	15.0	8.2	8.2	30.8	30.7	93.1	92.9	7.7	7.7	4.2	3.8	6	4	-	-	819968	812659	-	-	-	-
						1.0	0.0	119	15.0		8.2		30.6		92.6		7.7		4.1		4		-				-		-	
					Middle	2.4	0.0	143	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	0.0	144	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	127	15.2	15.2	8.2	8.2	30.6	30.7	91.2	91.2	7.6	7.6	3.2		4		-				-		-	
						3.8	0.1	129	15.2		8.2		30.8		91.1		7.6		3.6		3		-				-		-	
SR2	Fine	Moderate	09:01	5.2	Surface	1.0	0.0	124	15.4	15.4	8.1	8.1	31.5	31.5	95.4	95.2	7.9	7.9	1.0	1.5	6	6	88	90	821446	814157	<0.2	<0.2	0.4	0.4
						1.0	0.0	128	15.4		8.1		31.4		95.0		7.8		1.0		6		89				<0.2		0.4	
					Middle	-	0.1	102	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	0.1	102	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.0	131	15.5	15.5	8.4	8.4	31.5	31.4	98.3	98.1	8.1	8.1	2.1		5		90				<0.2		0.4	
						4.2	0.0	133	15.5		8.4		31.3		97.8		8.0		2.0		7		91				<0.2		0.5	
SR3	Fine	Moderate	08:55	8.8	Surface	1.0	0.1	106	15.6	15.6	8.2	8.2	31.7	31.7	99.0	99.2	8.0	8.4	3.2	2.4	5	5	-	-	822144	807553	-	-	-	-
						1.0	0.0	108	15.6		8.2		31.6		99.3		8.1		3.3		4		-				-		-	
					Middle	4.4	0.1	83	15.7	15.7	8.2	8.2	31.7	31.7	105.5	105.7	8.7		1.8		4		-				-		-	
						4.4	0.1	80	15.7		8.2		31.7		105.8		8.7		2.0		4		-				-		-	
					Bottom	7.8	0.0	114	15.9	15.9	8.1	8.1	31.8	31.9	103.1	103.1	8.4	8.4	1.8		6		-				-		-	
						7.8	0.0	118	15.9		8.1		32.0		103.0		8.4		2.0		8		-				-		-	
SR4A	Fine	Rough	07:34	8.7	Surface	1.0	0.0	273	15.5	15.5	8.2	8.2	31.1	30.9	104.4	104.6	8.6	8.4	5.1	5.3	7	7	-	-	817173	807789	-	-	-	-
						1.0	0.0	266	15.5		8.2		30.7		104.8		8.6		4.9		7		-				-		-	
					Middle	4.4	0.0	292	15.1	15.1	8.3	8.3	31.0	31.1	97.9	98.1	8.1		5.1		7		-				-		-	
						4.4	0.0	286	15.1		8.3		31.2		98.3		8.2		5.0		7		-				-		-	
					Bottom	7.7	0.0	286	15.3	15.3	8.3	8.3	32.0	32.1	101.8	102.0	8.5	8.5	5.7		6		-				-		-	
						7.7	0.0	289	15.3		8.3		32.2		102.2		8.4		6.0		6		-				-		-	
SR8	Fine	Moderate	09:44	5.7	Surface	1.0	-	-	15.2	15.2	8.2	8.2	31.3	31.3	94.5	94.7	7.8	7.9	4.1	3.2	6	6	-	-	820388	811608	-	-	-	-
						1.0	-	-	15.2		8.2		31.2		94.9		7.9		3.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	-	-	15.3	15.3	8.2	8.2	31.1	31.2	91.7	91.5	7.6	7.6	2.3		5		-				-		-	
						4.7	-	-	15.3		8.2		31.3		91.3		7.6		2.6		6		-				-		-	

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


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
22/02/2022
24/02/2022
26/02/2022
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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12.0
10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
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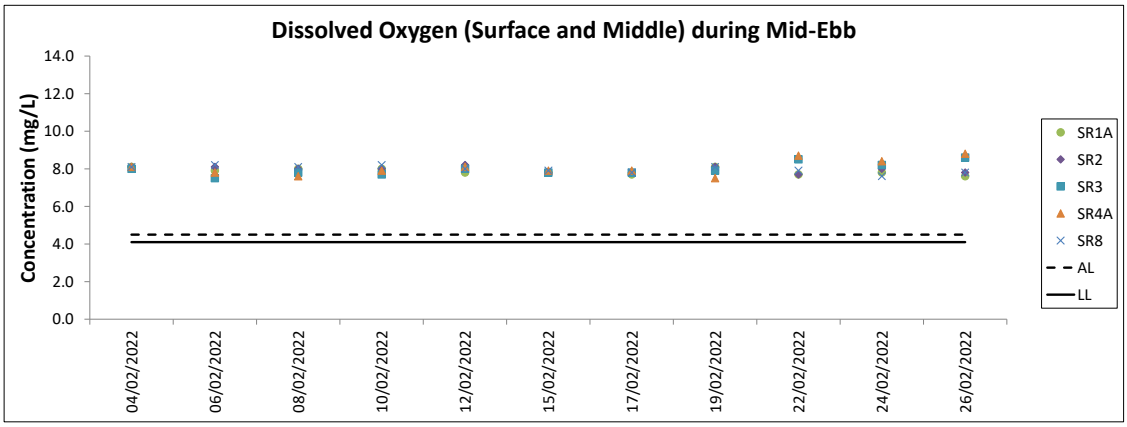
24/02/2022
26/02/2022
IM1
IM2
IM7
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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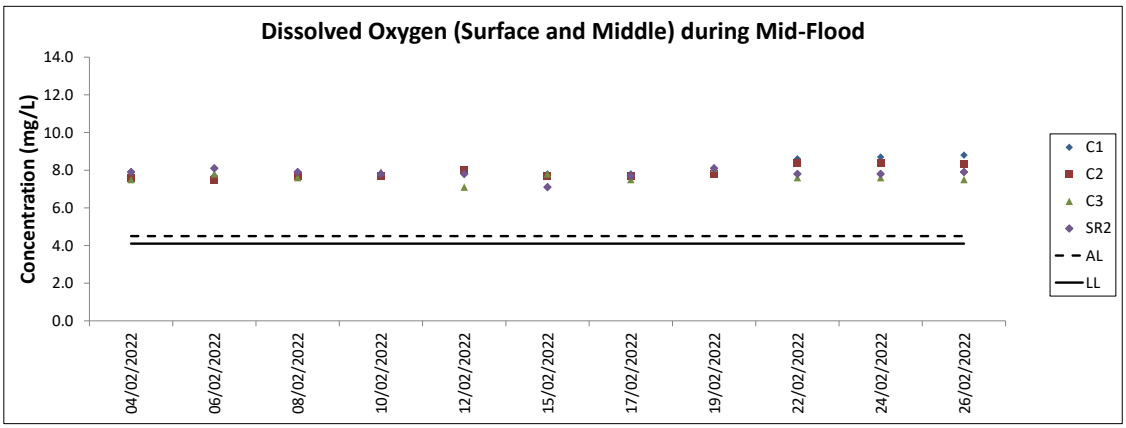
12.0
10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
22/02/2022
24/02/2022
26/02/2022
SR1A
SR2
SR3
SR4A
SR8
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
22/02/2022
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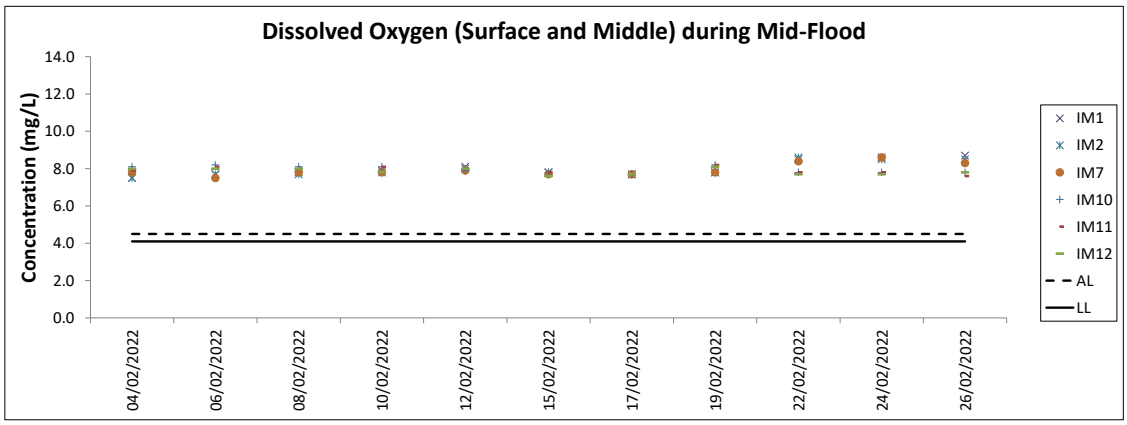
26/02/2022
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
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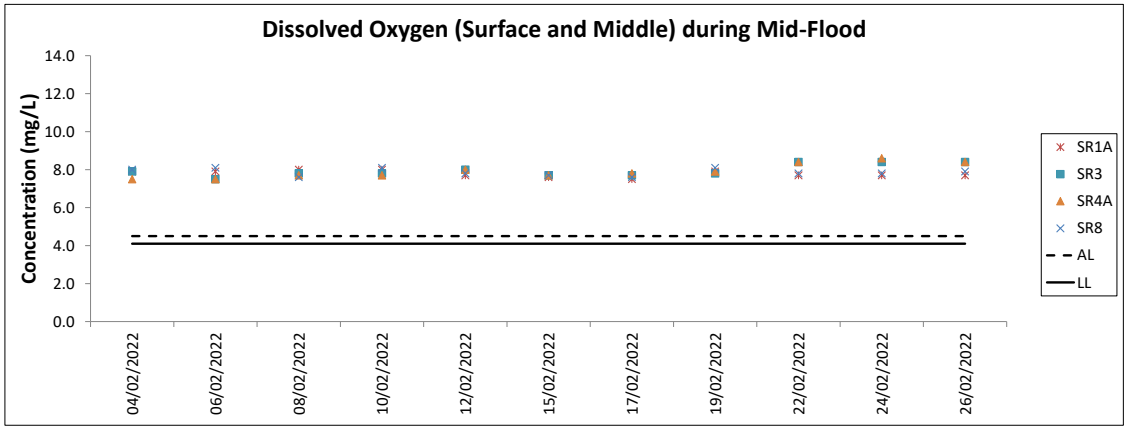
24/02/2022
26/02/2022
IM1
IM2
IM7
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
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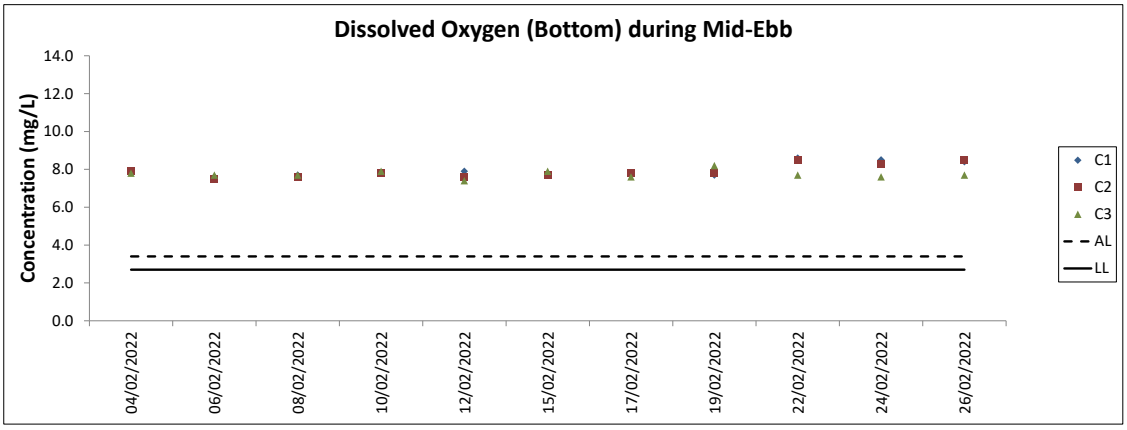
SR4A
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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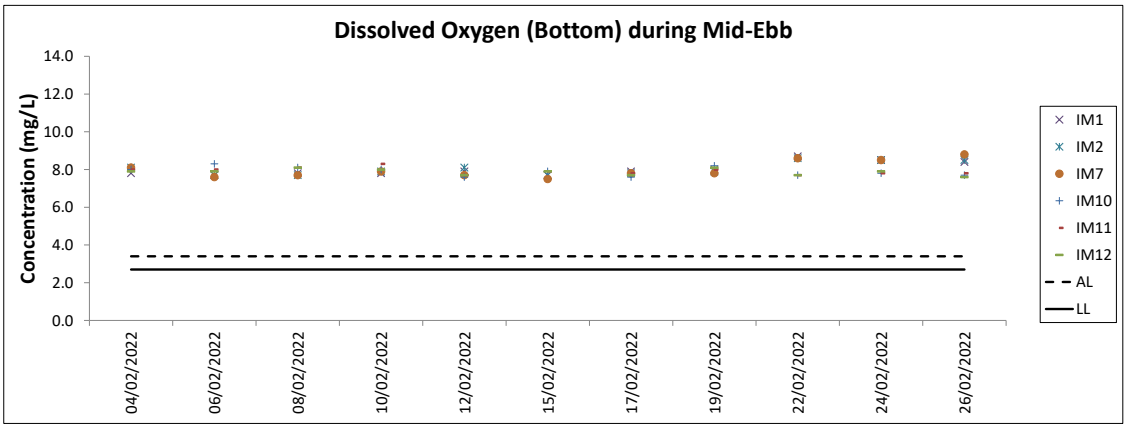
10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
22/02/2022
24/02/2022
26/02/2022
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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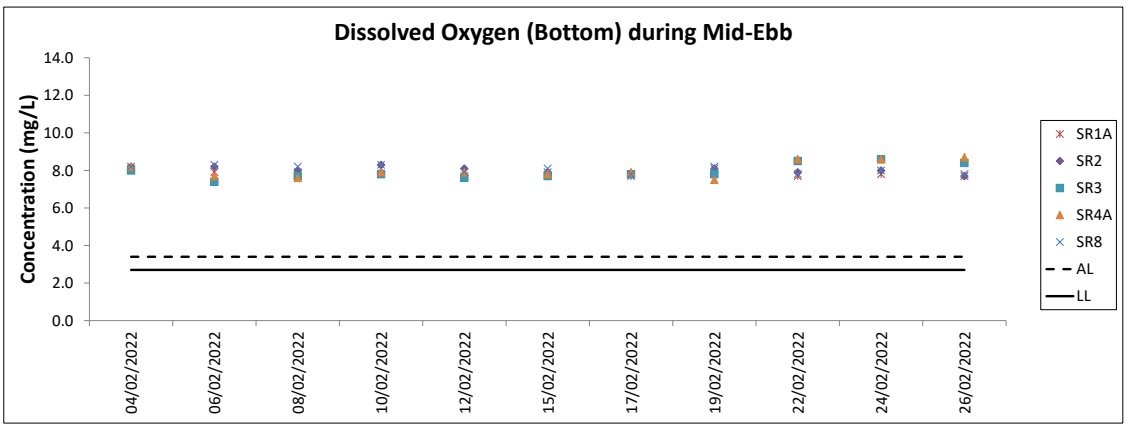
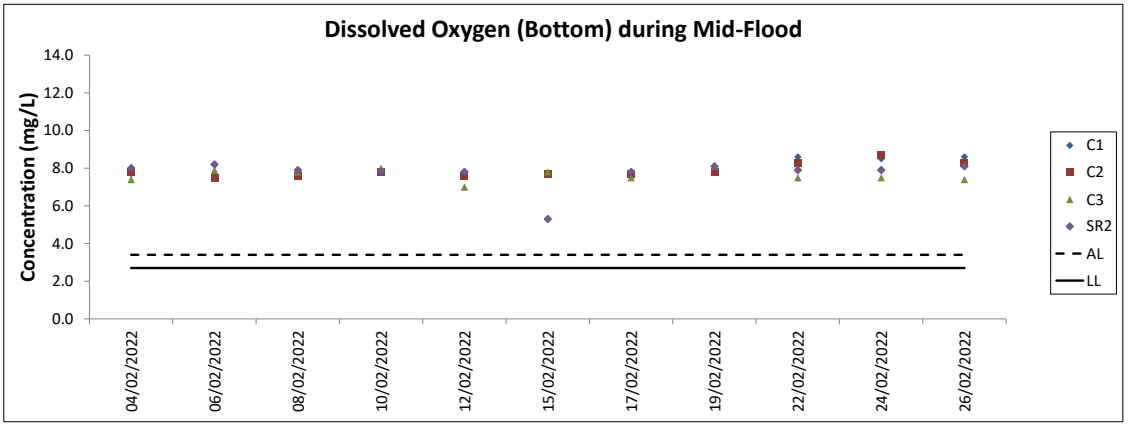
12.0
10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
22/02/2022
24/02/2022
26/02/2022
IM1
IM2
IM7
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
22/02/2022
24/02/2022
26/02/2022
SR1A
SR2
SR3
SR4A
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
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12.0
10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
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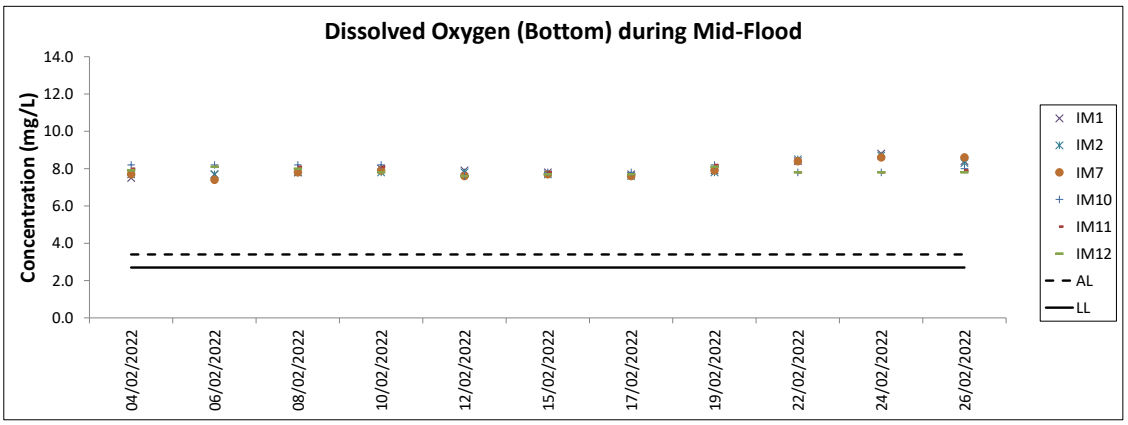
22/02/2022
24/02/2022
26/02/2022
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
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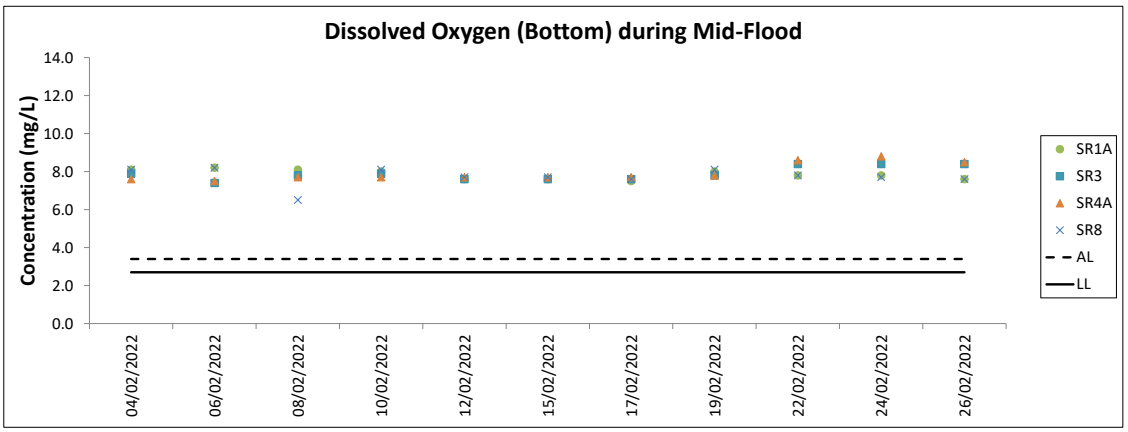
24/02/2022
26/02/2022
IM1
IM2
IM7
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
14.0
12.0
10.0
8.0
6.0
4.0
2.0
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
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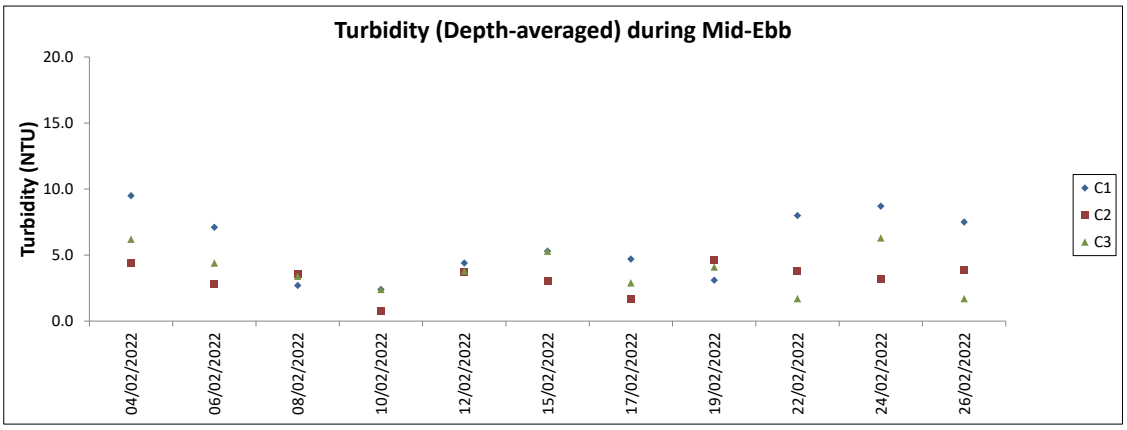
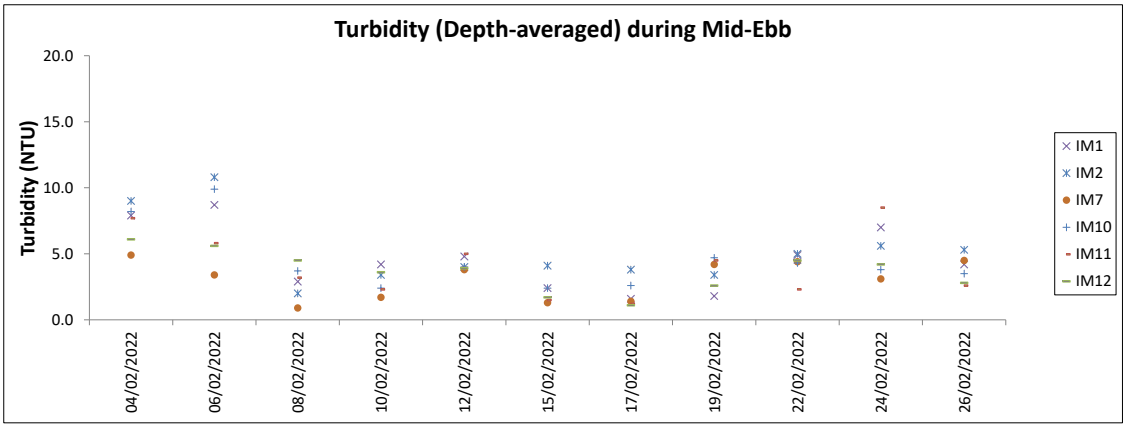
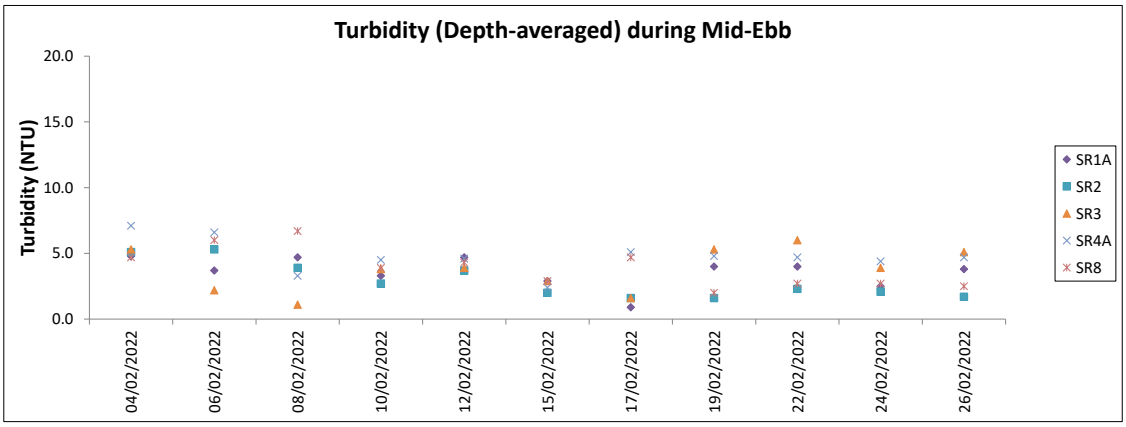
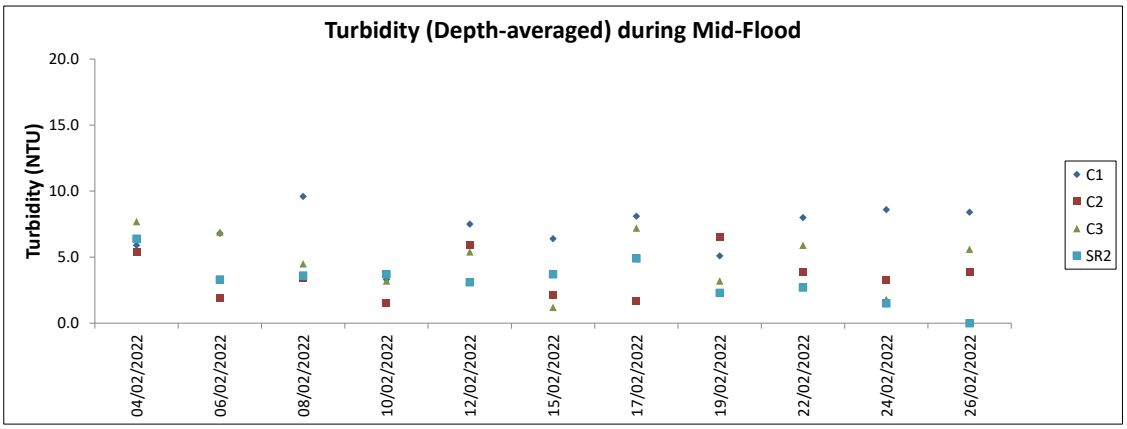
SR3
SR4A
SR8
AL
LL

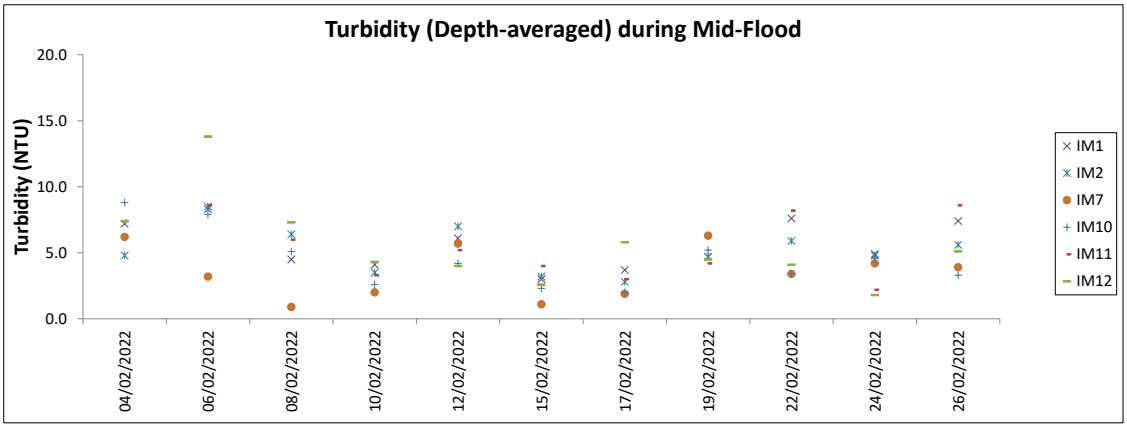


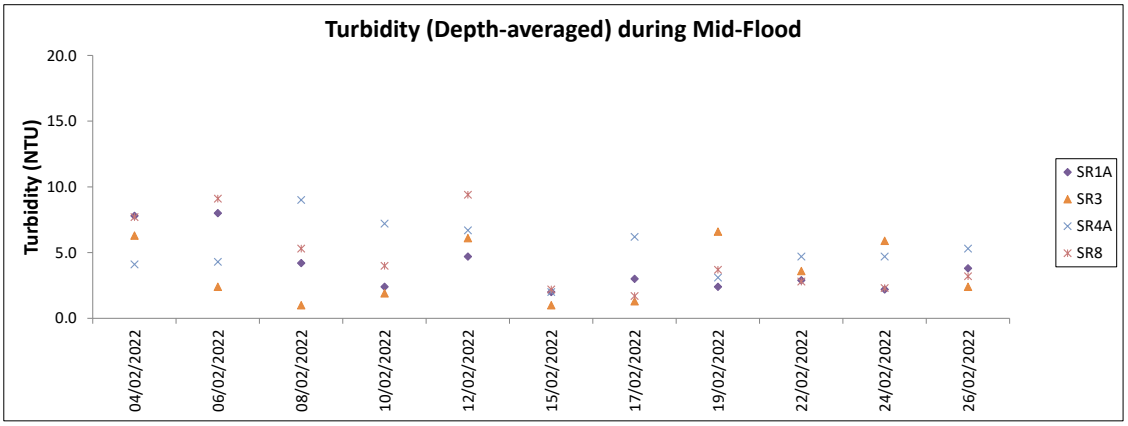




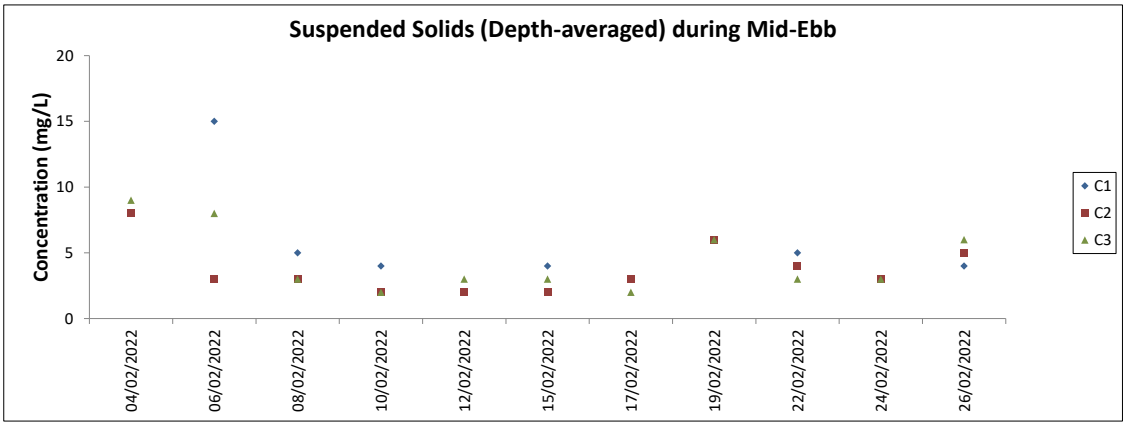
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

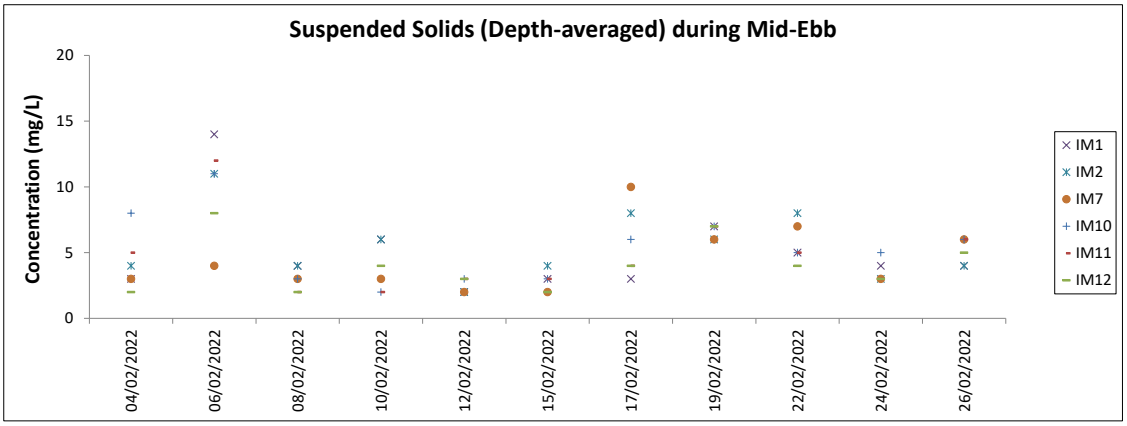


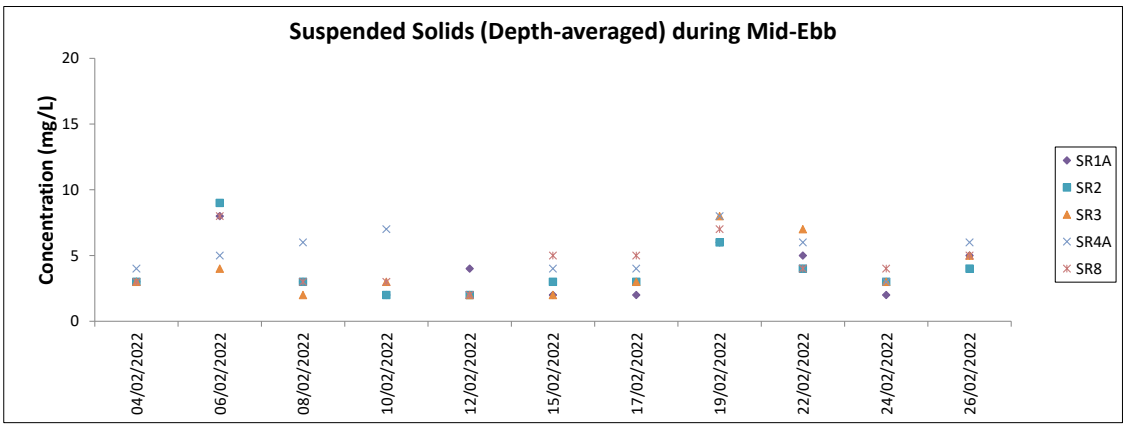




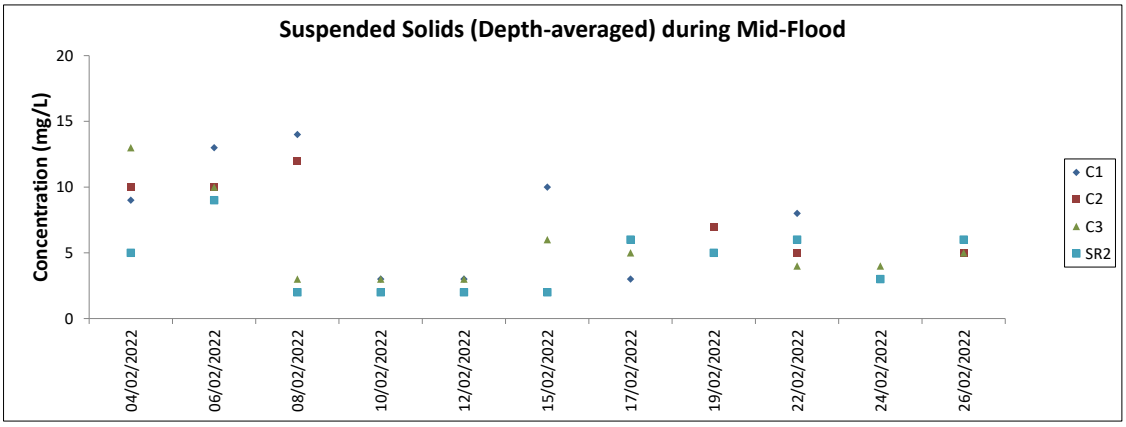
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

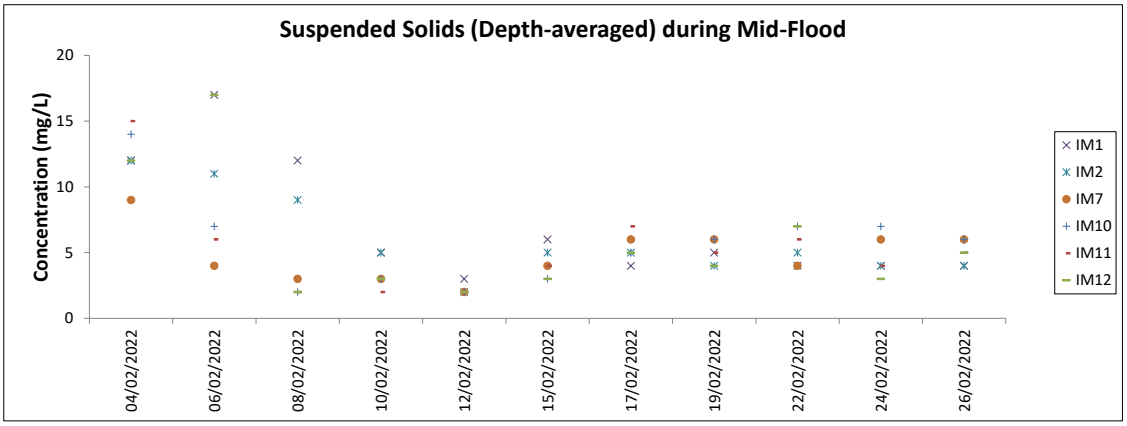


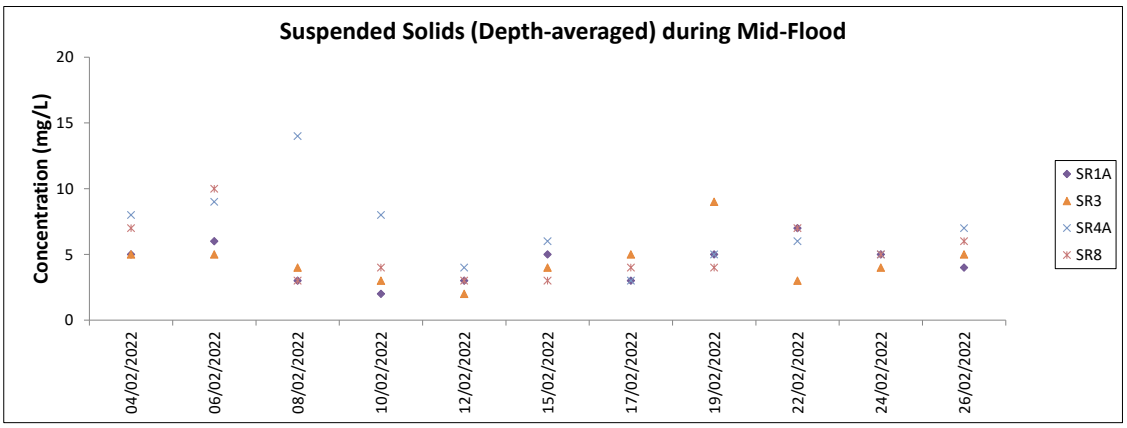




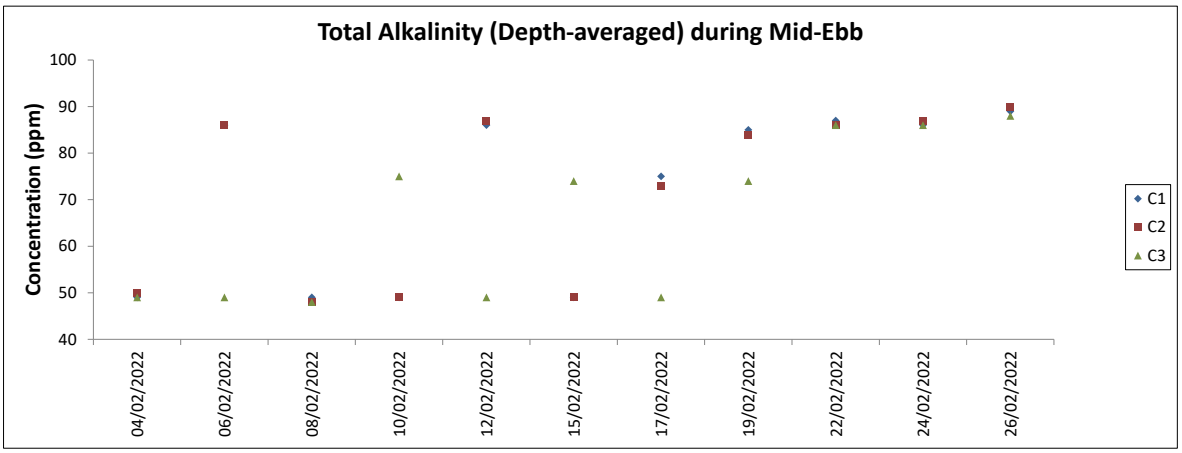
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

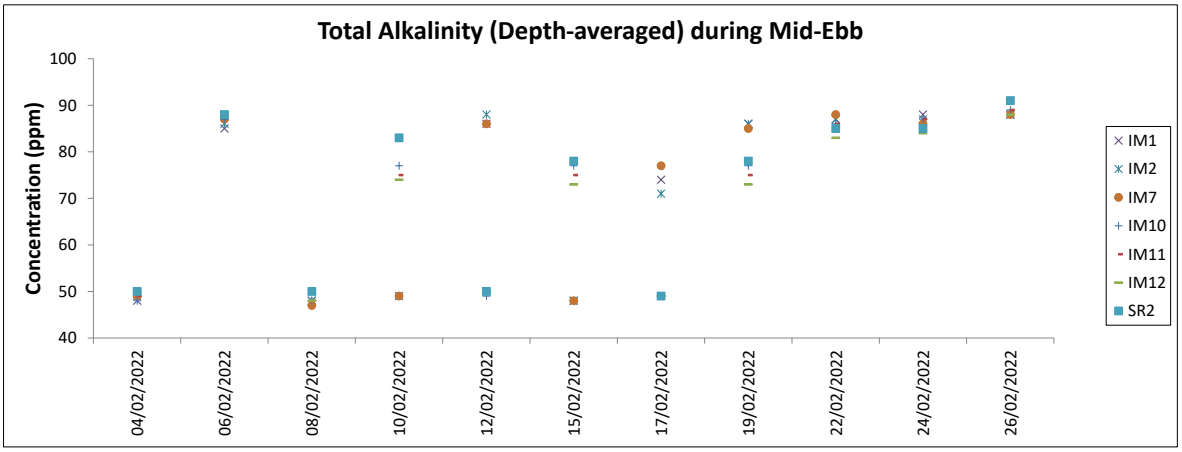




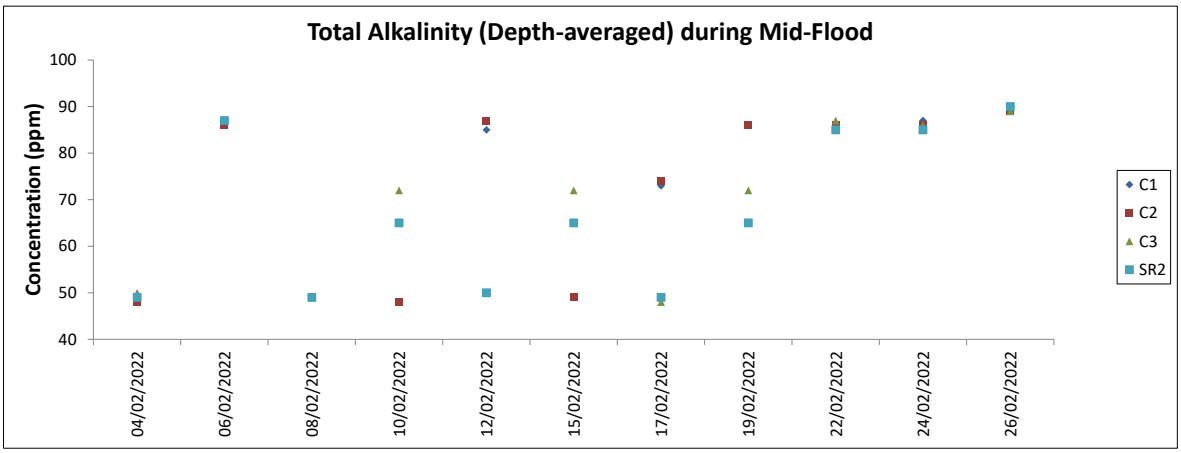


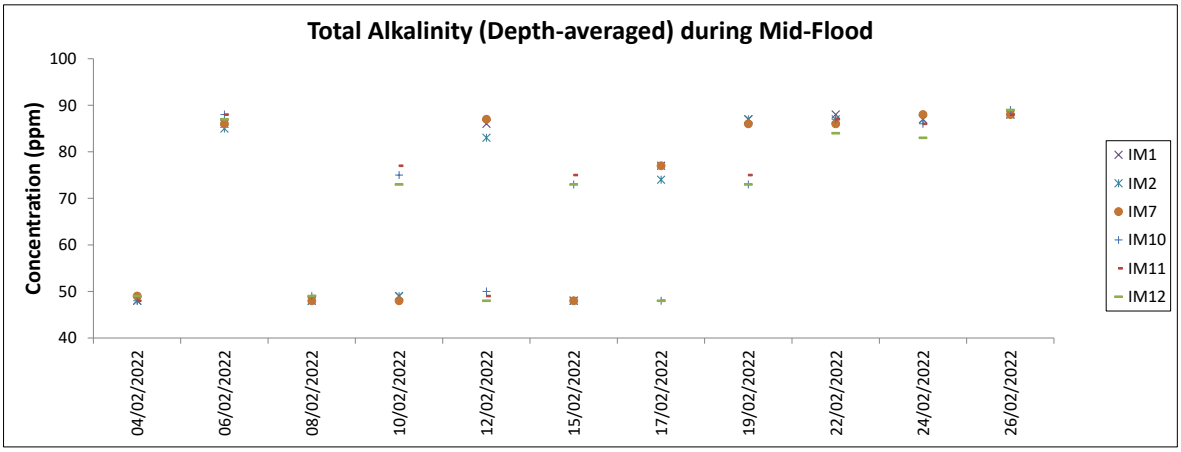
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.
Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.



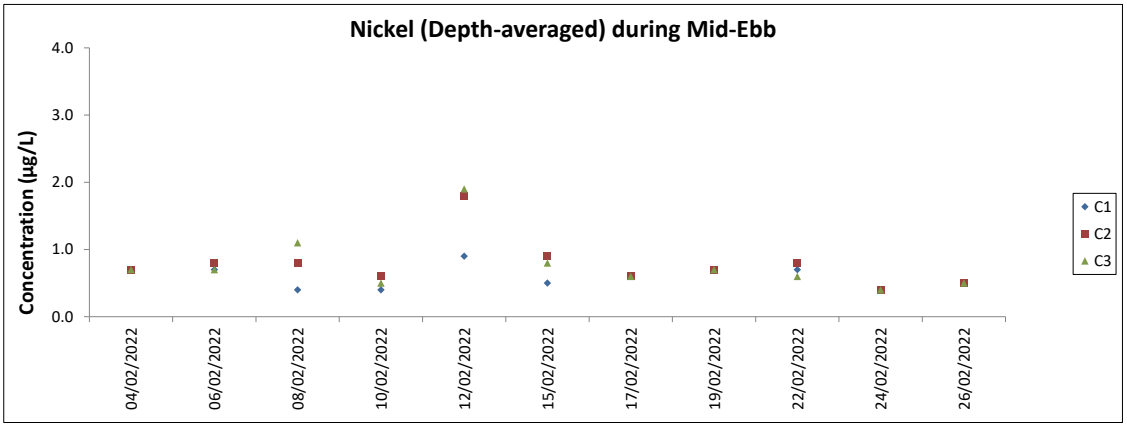


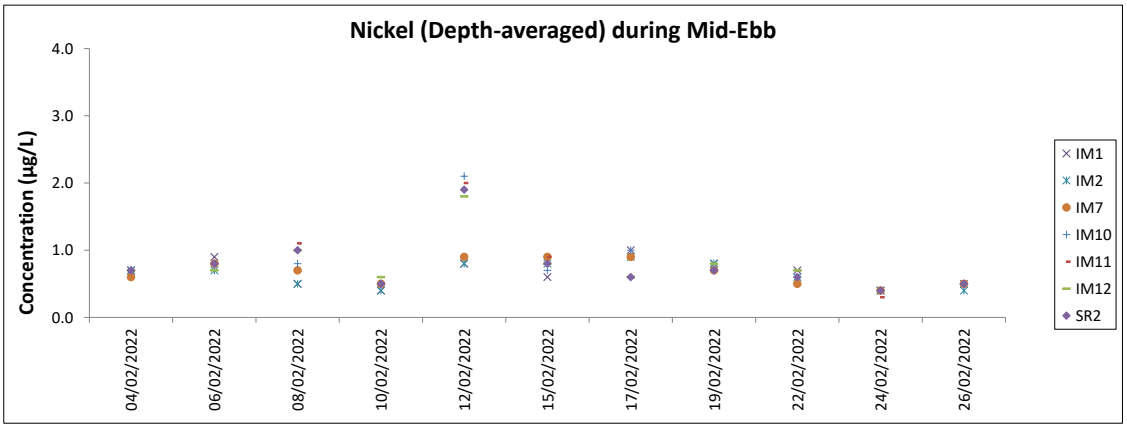
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



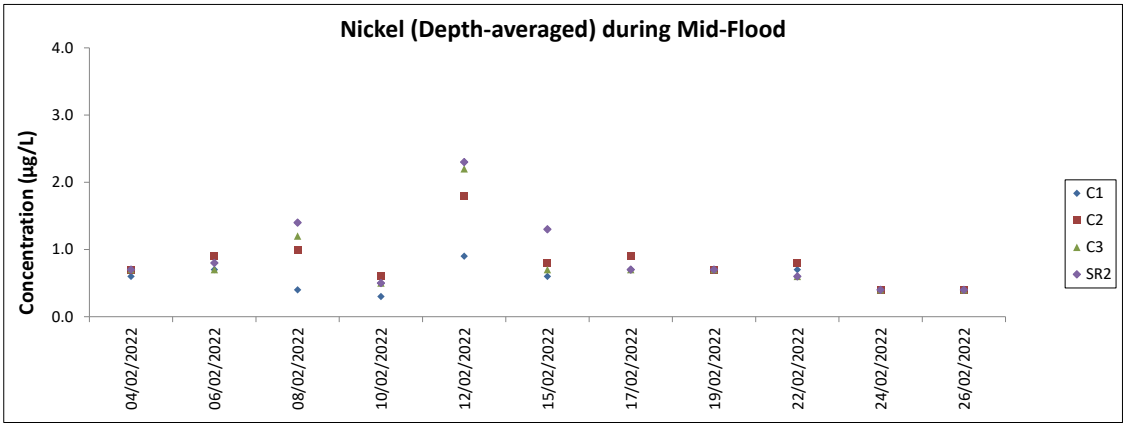


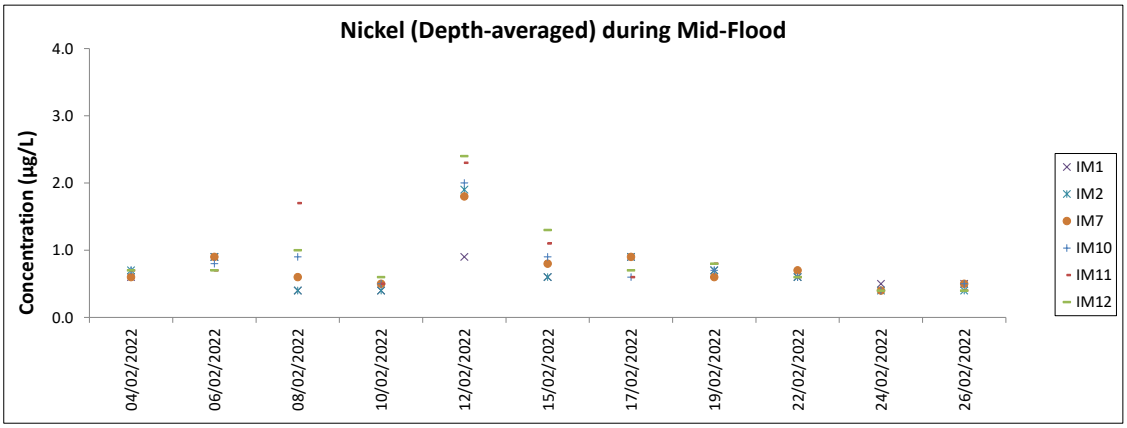
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



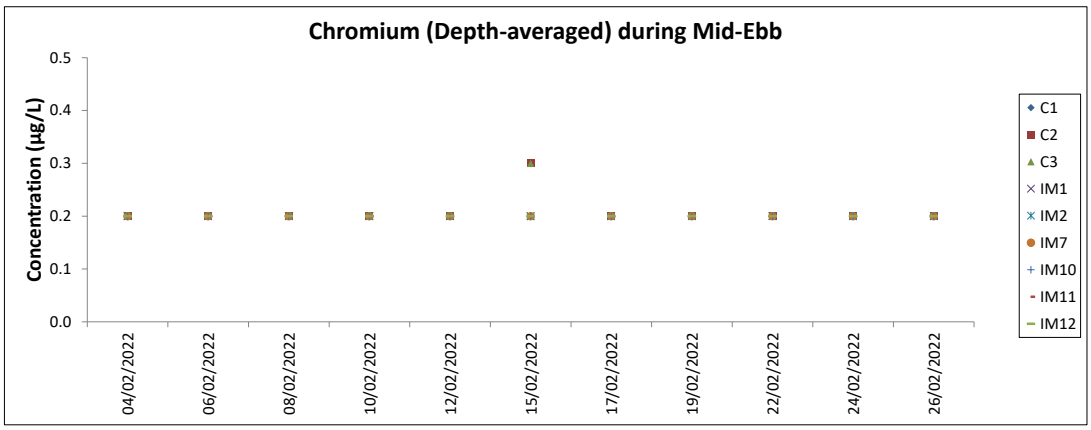


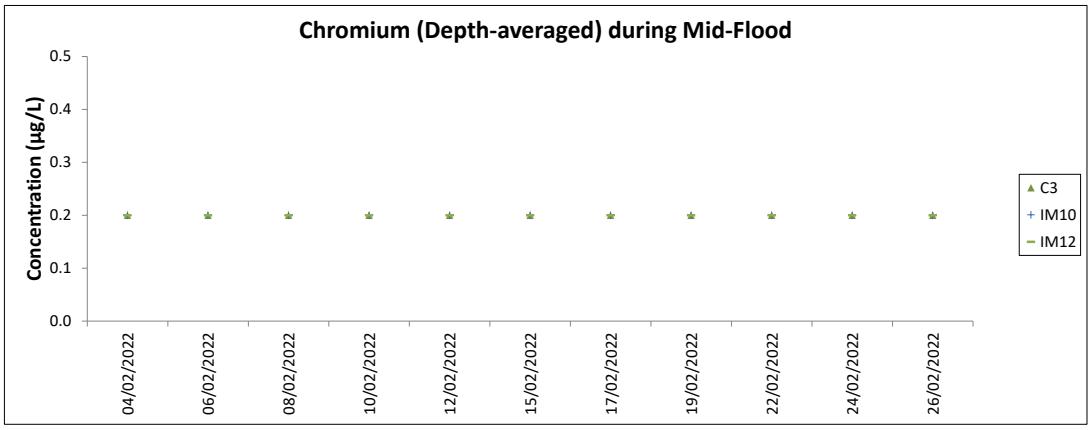
Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.





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


Chromium (Depth-averaged) during Mid-Ebb
Concentration (µg/L)
0.5
0.4
0.3
0.2
0.1
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
22/02/2022
24/02/2022
26/02/2022
C1
C2
C3
IM1
IM2
IM7
IM10
IM11
IM12


Chromium (Depth-averaged) during Mid-Flood
Concentration (µg/L)
0.5
0.4
0.3
0.2
0.1
0.0
04/02/2022
06/02/2022
08/02/2022
10/02/2022
12/02/2022
15/02/2022
17/02/2022
19/02/2022
22/02/2022
24/02/2022
26/02/2022
C3
IM10
IM12

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
1-Dec-21	NEL	3	6.110	WINTER	32166	3RS ET	P
1-Dec-21	NEL	4	30.730	WINTER	32166	3RS ET	P
1-Dec-21	NEL	3	2.210	WINTER	32166	3RS ET	P
1-Dec-21	NEL	4	7.450	WINTER	32166	3RS ET	S
3-Dec-21	NWL	3	49.900	WINTER	32166	3RS ET	P
3-Dec-21	NWL	4	14.000	WINTER	32166	3RS ET	P
3-Dec-21	NWL	3	8.400	WINTER	32166	3RS ET	S
3-Dec-21	NWL	4	3.100	WINTER	32166	3RS ET	S
6-Dec-21	SWL	2	3.350	WINTER	32166	3RS ET	P
6-Dec-21	SWL	3	50.190	WINTER	32166	3RS ET	P
6-Dec-21	SWL	2	0.900	WINTER	32166	3RS ET	S
6-Dec-21	SWL	3	14.960	WINTER	32166	3RS ET	S
7-Dec-21	NWL	2	7.900	WINTER	32166	3RS ET	P
7-Dec-21	NWL	3	53.100	WINTER	32166	3RS ET	P
7-Dec-21	NWL	4	2.000	WINTER	32166	3RS ET	S
7-Dec-21	NWL	3	12.300	WINTER	32166	3RS ET	P
13-Dec-21	NEL	2	1.290	WINTER	32166	3RS ET	P
13-Dec-21	NEL	3	29.980	WINTER	32166	3RS ET	P
13-Dec-21	NEL	4	5.880	WINTER	32166	3RS ET	P
13-Dec-21	NEL	2	0.440	WINTER	32166	3RS ET	S
13-Dec-21	NEL	3	8.270	WINTER	32166	3RS ET	S
13-Dec-21	NEL	4	1.040	WINTER	32166	3RS ET	S
15-Dec-21	AW	2	4.940	WINTER	32166	3RS ET	P
15-Dec-21	WL	2	19.188	WINTER	32166	3RS ET	P
15-Dec-21	WL	2	10.482	WINTER	32166	3RS ET	S
16-Dec-21	SWL	2	28.760	WINTER	32166	3RS ET	P
16-Dec-21	SWL	3	26.150	WINTER	32166	3RS ET	P
16-Dec-21	SWL	2	6.185	WINTER	32166	3RS ET	S
16-Dec-21	SWL	3	8.280	WINTER	32166	3RS ET	S
17-Dec-21	AW	3	4.970	WINTER	32166	3RS ET	P
17-Dec-21	WL	3	11.890	WINTER	32166	3RS ET	P
17-Dec-21	WL	4	8.700	WINTER	32166	3RS ET	P
17-Dec-21	WL	3	6.710	WINTER	32166	3RS ET	S
17-Dec-21	WL	4	4.000	WINTER	32166	3RS ET	S
03-Jan-22	NWL	2	48.340	WINTER	32166	3RS ET	P
03-Jan-22	NWL	3	13.940	WINTER	32166	3RS ET	P
03-Jan-22	NWL	2	11.440	WINTER	32166	3RS ET	S
04-Jan-22	NEL	2	6.300	WINTER	32166	3RS ET	P
04-Jan-22	NEL	3	23.630	WINTER	32166	3RS ET	P
04-Jan-22	NEL	4	7.300	WINTER	32166	3RS ET	P
04-Jan-22	NEL	3	7.770	WINTER	32166	3RS ET	S
04-Jan-22	NEL	4	1.800	WINTER	32166	3RS ET	S
05-Jan-22	AW	2	0.800	WINTER	32166	3RS ET	P
05-Jan-22	AW	3	1.770	WINTER	32166	3RS ET	P
05-Jan-22	AW	4	1.920	WINTER	32166	3RS ET	P
05-Jan-22	WL	2	10.474	WINTER	32166	3RS ET	P
05-Jan-22	WL	2	5.590	WINTER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
05-Jan-22	WL	3	0.504	WINTER	32166	3RS ET	S
10-Jan-22	AW	2	4.820	WINTER	32166	3RS ET	P
10-Jan-22	WL	2	12.835	WINTER	32166	3RS ET	P
10-Jan-22	WL	3	6.493	WINTER	32166	3RS ET	P
10-Jan-22	WL	2	5.225	WINTER	32166	3RS ET	S
10-Jan-22	WL	3	4.587	WINTER	32166	3RS ET	S
11-Jan-22	NEL	2	7.450	WINTER	32166	3RS ET	P
11-Jan-22	NEL	3	28.850	WINTER	32166	3RS ET	P
11-Jan-22	NEL	4	1.100	WINTER	32166	3RS ET	P
11-Jan-22	NEL	2	3.390	WINTER	32166	3RS ET	S
11-Jan-22	NEL	3	5.510	WINTER	32166	3RS ET	S
11-Jan-22	NEL	4	0.800	WINTER	32166	3RS ET	S
12-Jan-22	NWL	2	12.600	WINTER	32166	3RS ET	P
12-Jan-22	NWL	3	50.400	WINTER	32166	3RS ET	P
12-Jan-22	NWL	2	3.300	WINTER	32166	3RS ET	S
12-Jan-22	NWL	3	8.600	WINTER	32166	3RS ET	S
13-Jan-22	SWL	2	38.742	WINTER	32166	3RS ET	P
13-Jan-22	SWL	3	14.940	WINTER	32166	3RS ET	P
13-Jan-22	SWL	2	13.268	WINTER	32166	3RS ET	S
13-Jan-22	SWL	3	2.260	WINTER	32166	3RS ET	S
19-Jan-22	SWL	2	26.240	WINTER	32166	3RS ET	P
19-Jan-22	SWL	3	21.930	WINTER	32166	3RS ET	P
19-Jan-22	SWL	4	5.500	WINTER	32166	3RS ET	P
19-Jan-22	SWL	2	10.780	WINTER	32166	3RS ET	S
19-Jan-22	SWL	3	3.510	WINTER	32166	3RS ET	S
19-Jan-22	SWL	4	1.920	WINTER	32166	3RS ET	S
7-Feb-22	NEL	2	22.800	WINTER	32166	3RS ET	P
7-Feb-22	NEL	3	7.990	WINTER	32166	3RS ET	P
7-Feb-22	NEL	4	5.840	WINTER	32166	3RS ET	P
7-Feb-22	NEL	2	7.900	WINTER	32166	3RS ET	S
7-Feb-22	NEL	3	1.000	WINTER	32166	3RS ET	S
7-Feb-22	NEL	4	1.070	WINTER	32166	3RS ET	S
8-Feb-22	AW	3	4.930	WINTER	32166	3RS ET	P
8-Feb-22	WL	3	14.850	WINTER	32166	3RS ET	P
8-Feb-22	WL	4	5.800	WINTER	32166	3RS ET	P
8-Feb-22	WL	2	1.220	WINTER	32166	3RS ET	S
8-Feb-22	WL	3	7.030	WINTER	32166	3RS ET	S
8-Feb-22	WL	4	2.000	WINTER	32166	3RS ET	S
9-Feb-22	NWL	3	47.720	WINTER	32166	3RS ET	P
9-Feb-22	NWL	4	16.480	WINTER	32166	3RS ET	P
9-Feb-22	NWL	3	11.700	WINTER	32166	3RS ET	S
10-Feb-22	AW	2	4.770	WINTER	32166	3RS ET	P
10-Feb-22	WL	3	19.968	WINTER	32166	3RS ET	P
10-Feb-22	WL	3	9.014	WINTER	32166	3RS ET	S
14-Feb-22	NEL	2	33.240	WINTER	32166	3RS ET	P
14-Feb-22	NEL	3	3.440	WINTER	32166	3RS ET	P
14-Feb-22	NEL	2	9.120	WINTER	32166	3RS ET	S
14-Feb-22	NEL	3	1.200	WINTER	32166	3RS ET	S
15-Feb-22	NWL	2	48.350	WINTER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
15-Feb-22	NWL	3	14.780	WINTER	32166	3RS ET	P
15-Feb-22	NWL	2	7.770	WINTER	32166	3RS ET	S
15-Feb-22	NWL	3	3.400	WINTER	32166	3RS ET	S
2-Mar-22	SWL	1	19.328	WINTER	32166	3RS ET	P
2-Mar-22	SWL	2	26.443	WINTER	32166	3RS ET	P
2-Mar-22	SWL	3	4.330	WINTER	32166	3RS ET	P
2-Mar-22	SWL	1	5.230	WINTER	32166	3RS ET	S
2-Mar-22	SWL	2	10.819	WINTER	32166	3RS ET	S
2-Mar-22	SWL	3	1.616	WINTER	32166	3RS ET	S
4-Mar-22	SWL	1	3.665	WINTER	32166	3RS ET	P
4-Mar-22	SWL	2	12.934	WINTER	32166	3RS ET	P
4-Mar-22	SWL	3	31.502	WINTER	32166	3RS ET	P
4-Mar-22	SWL	2	3.628	WINTER	32166	3RS ET	S
4-Mar-22	SWL	3	11.733	WINTER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months are presented for reference only. The two vessel surveys of February in SWL survey area were rescheduled to early March (i.e.,2 and 4 March 2022) due to unavailability of vessel operators or suitable vessel during the rising impact of COVID-19 pandemic in the second half of February 2022.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
6-Dec-21	1	1119	FP	1	SWL	3	11	ON	3RS ET	22.1765	113.9280	WINTER	NONE	P
6-Dec-21	2	1504	CWD	3	SWL	3	22	ON	3RS ET	22.1878	113.8497	WINTER	NONE	P
7-Dec-21	1	0945	CWD	1	NWL	2	N/A	OFF	3RS ET	22.3983	113.8873	WINTER	NONE	N/A
15-Dec-21	1	1043	CWD	4	WL	2	471	ON	3RS ET	22.2500	113.8357	WINTER	NONE	P
15-Dec-21	2	1112	CWD	1	WL	2	113	ON	3RS ET	22.2415	113.8315	WINTER	NONE	P
16-Dec-21	1	1333	CWD	5	SWL	2	134	ON	3RS ET	22.1885	113.8880	WINTER	NONE	P
16-Dec-21	2	1448	CWD	1	SWL	2	16	ON	3RS ET	22.1989	113.8685	WINTER	NONE	P
16-Dec-21	3	1507	CWD	3	SWL	2	63	ON	3RS ET	22.1998	113.8622	WINTER	GILLNETTER	S
03-Jan-22	1	0959	CWD	3	NWL	3	868	ON	3RS ET	22.3497	113.8684	WINTER	NONE	P
03-Jan-22	2	1039	CWD	5	NWL	2	466	ON	3RS ET	22.2726	113.8700	WINTER	GILLNETTER	P
03-Jan-22	3	1159	CWD	4	NWL	2	130	ON	3RS ET	22.3693	113.8773	WINTER	NONE	P
03-Jan-22	4	1331	CWD	2	NWL	2	563	ON	3RS ET	22.3616	113.8979	WINTER	NONE	P
05-Jan-22	1	0946	CWD	1	AW	3	262	ON	3RS ET	22.2919	113.8752	WINTER	NONE	P
05-Jan-22	2	1024	CWD	5	WL	2	430	ON	3RS ET	22.2854	113.8614	WINTER	GILLNETTER	P
05-Jan-22	3	1048	CWD	3	WL	2	789	ON	3RS ET	22.2764	113.8512	WINTER	NONE	S
05-Jan-22	4	1052	CWD	3	WL	2	173	ON	3RS ET	22.2749	113.8492	WINTER	NONE	S
05-Jan-22	5	1108	CWD	3	WL	2	295	ON	3RS ET	22.2695	113.8523	WINTER	GILLNETTER	P
05-Jan-22	6	1115	CWD	1	WL	2	8	ON	3RS ET	22.2683	113.8597	WINTER	GILLNETTER	S
05-Jan-22	7	1125	CWD	7	WL	2	178	ON	3RS ET	22.2593	113.8440	WINTER	NONE	P
05-Jan-22	8	1143	CWD	3	WL	2	155	ON	3RS ET	22.2502	113.8373	WINTER	NONE	P
05-Jan-22	9	1159	CWD	1	WL	2	304	ON	3RS ET	22.2448	113.8497	WINTER	GILLNETTER	S
05-Jan-22	10	1233	CWD	4	WL	2	74	ON	3RS ET	22.2323	113.8373	WINTER	NONE	P
05-Jan-22	11	1253	CWD	3	WL	2	215	ON	3RS ET	22.2236	113.8309	WINTER	NONE	P
05-Jan-22	12	1313	CWD	1	WL	2	240	ON	3RS ET	22.2142	113.8264	WINTER	NONE	P
05-Jan-22	13	1328	CWD	11	WL	2	598	ON	3RS ET	22.2060	113.8393	WINTER	NONE	S
10-Jan-22	1	1017	CWD	1	WL	2	63	ON	3RS ET	22.2759	113.8501	WINTER	NONE	S
10-Jan-22	2	1140	CWD	5	WL	3	331	ON	3RS ET	22.2142	113.8259	WINTER	NONE	P
10-Jan-22	3	1211	CWD	8	WL	3	103	ON	3RS ET	22.2059	113.8291	WINTER	NONE	P
13-Jan-22	1	1152	FP	1	SWL	2	40	ON	3RS ET	22.1586	113.9179	WINTER	NONE	P
13-Jan-22	2	1314	FP	3	SWL	2	261	ON	3RS ET	22.1492	113.8923	WINTER	NONE	S
13-Jan-22	3	1433	CWD	5	SWL	2	366	ON	3RS ET	22.1978	113.8685	WINTER	NONE	P
19-Jan-22	1	1337	FP	2	SWL	3	43	ON	3RS ET	22.1859	113.8977	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
19-Jan-22	2	1453	CWD	5	SWL	3	38	ON	3RS ET	22.1827	113.8592	WINTER	NONE	P
10-Feb-22	1	1102	CWD	9	WL	3	185	ON	3RS ET	22.2418	113.8301	WINTER	NONE	P
10-Feb-22	2	1119	CWD	1	WL	3	61	ON	3RS ET	22.2316	113.8319	WINTER	NONE	P
10-Feb-22	3	1134	CWD	4	WL	3	78	ON	3RS ET	22.2236	113.8286	WINTER	NONE	P
10-Feb-22	4	1157	CWD	2	WL	3	43	ON	3RS ET	22.2146	113.8308	WINTER	NONE	P
15-Feb-22	1	0950	CWD	3	NWL	2	97	ON	3RS ET	22.3634	113.8706	WINTER	NONE	P
15-Feb-22	2	1054	CWD	2	NWL	2	50	ON	3RS ET	22.3039	113.8778	WINTER	NONE	P
2-Mar-22	1	1023	FP	6	SWL	1	400	ON	3RS ET	22.2167	113.9352	WINTER	NONE	P
2-Mar-22	2	1034	FP	3	SWL	1	88	ON	3RS ET	22.1947	113.9360	WINTER	NONE	P
2-Mar-22	3	1040	FP	2	SWL	1	50	ON	3RS ET	22.1843	113.9360	WINTER	NONE	P
2-Mar-22	4	1112	FP	3	SWL	1	474	ON	3RS ET	22.1693	113.9277	WINTER	NONE	P
2-Mar-22	5	1132	FP	5	SWL	1	44	ON	3RS ET	22.2034	113.9187	WINTER	NONE	S
2-Mar-22	6	1154	FP	1	SWL	2	80	ON	3RS ET	22.1584	113.9175	WINTER	NONE	P
2-Mar-22	7	1204	FP	1	SWL	2	20	ON	3RS ET	22.1413	113.9154	WINTER	NONE	S
2-Mar-22	8	1213	FP	2	SWL	2	62	ON	3RS ET	22.1522	113.9082	WINTER	NONE	P
2-Mar-22	9	1217	FP	2	SWL	2	6	ON	3RS ET	22.1543	113.9050	WINTER	NONE	S
2-Mar-22	10	1310	FP	4	SWL	1	152	ON	3RS ET	22.1701	113.8969	WINTER	NONE	P
2-Mar-22	11	1316	FP	3	SWL	2	306	ON	3RS ET	22.1590	113.8973	WINTER	NONE	P
2-Mar-22	12	1318	FP	6	SWL	2	61	ON	3RS ET	22.1573	113.8974	WINTER	NONE	P
2-Mar-22	13	1328	FP	2	SWL	2	39	ON	3RS ET	22.1495	113.8906	WINTER	NONE	S
2-Mar-22	14	1335	FP	7	SWL	2	69	ON	3RS ET	22.1588	113.8882	WINTER	NONE	P
2-Mar-22	15	1346	FP	1	SWL	1	43	ON	3RS ET	22.1646	113.8883	WINTER	NONE	P
2-Mar-22	16	1427	FP	1	SWL	2	453	ON	3RS ET	22.1757	113.8791	WINTER	NONE	P
2-Mar-22	17	1429	FP	1	SWL	2	10	ON	3RS ET	22.1729	113.8786	WINTER	NONE	P
2-Mar-22	18	1434	FP	4	SWL	2	34	ON	3RS ET	22.1668	113.8789	WINTER	NONE	P
4-Mar-22	1	1025	FP	2	SWL	1	156	ON	3RS ET	22.2173	113.9361	WINTER	NONE	P
4-Mar-22	2	1028	FP	5	SWL	1	45	ON	3RS ET	22.2140	113.9361	WINTER	NONE	P
4-Mar-22	3	1035	FP	1	SWL	1	11	ON	3RS ET	22.2073	113.9362	WINTER	NONE	P
4-Mar-22	4	1042	FP	2	SWL	2	264	ON	3RS ET	22.1863	113.9362	WINTER	NONE	P
4-Mar-22	5	1215	FP	5	SWL	3	6	ON	3RS ET	22.1522	113.9075	WINTER	NONE	P
4-Mar-22	6	1229	FP	4	SWL	3	104	ON	3RS ET	22.1561	113.8999	WINTER	NONE	S
4-Mar-22	7	1329	FP	1	SWL	3	21	ON	3RS ET	22.1568	113.8976	WINTER	NONE	P
4-Mar-22	8	1405	FP	1	SWL	2	73	ON	3RS ET	22.2085	113.8882	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
4-Mar-22	9	1411	FP	3	SWL	2	80	ON	3RS ET	22.2114	113.8837	WINTER	NONE	S
4-Mar-22	10	1415	FP	2	SWL	2	102	ON	3RS ET	22.2081	113.8794	WINTER	NONE	S
4-Mar-22	11	1530	CWD	1	SWL	2	262	ON	3RS ET	22.1899	113.8495	WINTER	NONE	P

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

Notes:

The two vessel surveys of February in SWL survey area were rescheduled to early March (i.e.,2 and 4 March 2022) due to unavailability of vessel operators or suitable vessel during the rising impact of COVID-19 pandemic in the second half of February 2022.

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 413.420 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 7 on-effort sightings and total number of 22 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in February 2022 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in February 2022

$$STG = \frac{7}{413.420}\ x\ 100 = 1.69$$

Encounter Rate by Number of Dolphins (ANI) in February 2022

$$ANI = \frac{22}{413.420}\ x\ 100 = 5.32$$

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

A total of 1206.563 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 35 on-effort sightings and total number of 123 dolphins from on-effort sightings were collected under such condition. Calculation of the running quarterly encounter rates are shown as below:

Running Quarterly Encounter Rate by Number of Dolphin Sightings (STG)

$$STG = \frac{35}{1206.563}\ x\ 100 = 2.90$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{123}{1206.563}\ x\ 100 = 10.19$$

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

SLMM007_20220210_1_1

SLMM073_20220210_1_2

WLMM028_20220210_1_5

WLMM109_20220210_1_3

WLMM114_20220210_1_2

WLMM152_20220210_1_1

NLMM013_20220215_1_8

NLMM028_20220215_1_9

WLMM019_20220215_1_1	

CWD Land-based Theodolite Tracking Survey

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
11/Feb/22	Lung Kwu Chau	8:51	14:51	6:00	2	3-4	1	1
16/Feb/22	Sha Chau	10:35	16:35	6:00	2-4	2	0	0

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