Appendix D. Monitoring Results

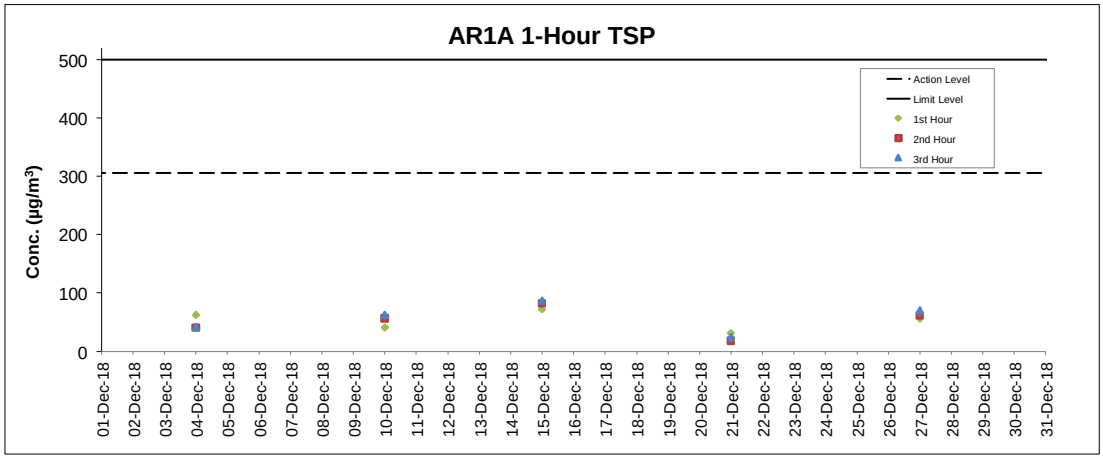
Air Quality Monitoring Results

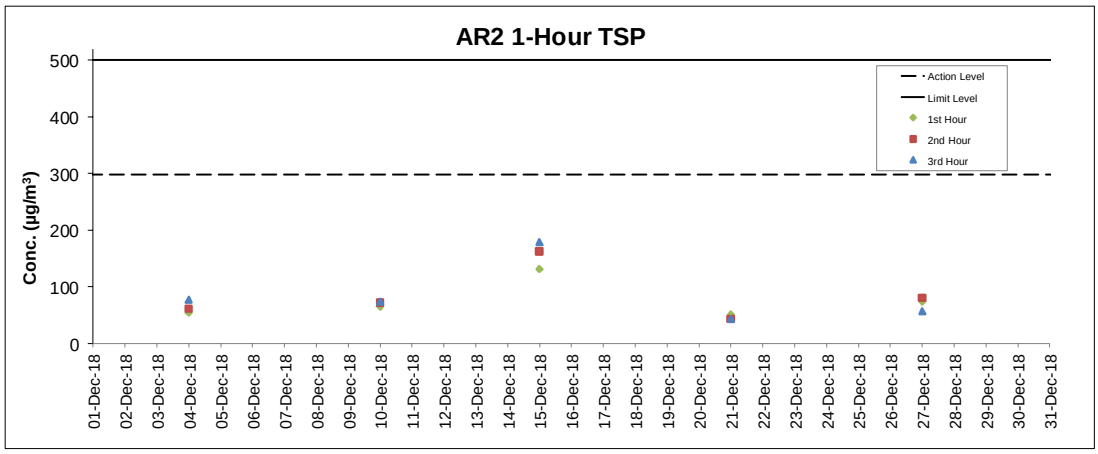
1-hour TSP Results
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
04-Dec-18	12:55	Sunny	3.1	267	62	306	500
04-Dec-18	13:55	Sunny	3.6	266	40	306	500
04-Dec-18	14:55	Sunny	4.5	259	42	306	500
10-Dec-18	13:00	Cloudy	3.6	358	41	306	500
10-Dec-18	14:00	Cloudy	7.5	341	56	306	500
10-Dec-18	15:00	Cloudy	6.8	347	63	306	500
15-Dec-18	9:42	Sunny	2.2	12	72	306	500
15-Dec-18	10:42	Sunny	2.4	5	82	306	500
15-Dec-18	11:42	Sunny	3.1	343	87	306	500
21-Dec-18	13:00	Sunny	1.7	52	31	306	500
21-Dec-18	14:00	Sunny	6.2	97	18	306	500
21-Dec-18	15:00	Sunny	7.8	94	24	306	500
27-Dec-18	13:15	Cloudy	3.2	354	56	306	500
27-Dec-18	14:15	Cloudy	1.7	305	61	306	500
27-Dec-18	15:15	Cloudy	4.4	309	70	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)
04-Dec-18	9:18	Sunny	1.8	18	54	298	500
04-Dec-18	10:18	Sunny	3.6	335	61	298	500
04-Dec-18	11:18	Sunny	2.8	293	77	298	500
10-Dec-18	14:38	Cloudy	2.7	353	65	298	500
10-Dec-18	15:38	Cloudy	3.7	336	72	298	500
10-Dec-18	16:38	Cloudy	4.3	327	74	298	500
15-Dec-18	13:49	Sunny	5.2	329	131	298	500
15-Dec-18	14:49	Sunny	3.6	317	162	298	500
15-Dec-18	15:49	Sunny	3.2	296	179	298	500
21-Dec-18	9:47	Sunny	4.7	59	51	298	500
21-Dec-18	10:47	Sunny	5.2	77	43	298	500
21-Dec-18	11:47	Sunny	2.5	268	43	298	500
27-Dec-18	9:08	Cloudy	6.2	49	74	298	500
27-Dec-18	10:08	Cloudy	5.5	49	80	298	500
27-Dec-18	11:08	Cloudy	5.4	50	57	298	500





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)
04-Dec-18	Sunny	13:06	73.0	55.6	73
04-Dec-18	Sunny	13:11	71.8	55.9	
04-Dec-18	Sunny	13:16	73.2	56.1	
04-Dec-18	Sunny	13:21	73.9	56.0	
04-Dec-18	Sunny	13:26	73.8	56.3	
04-Dec-18	Sunny	13:31	74.9	57.1	
10-Dec-18	Cloudy	13:43	75.3	57.7	67
10-Dec-18	Cloudy	13:48	74.4	55.2	
10-Dec-18	Cloudy	13:53	72.8	54.3	
10-Dec-18	Cloudy	13:58	75.0	57.6	
10-Dec-18	Cloudy	14:03	76.1	58.6	
10-Dec-18	Cloudy	14:08	74.8	56.8	
21-Dec-18	Sunny	13:31	76.2	57.3	73
21-Dec-18	Sunny	13:36	73.6	55.1	
21-Dec-18	Sunny	13:41	73.5	55.5	
21-Dec-18	Sunny	13:46	73.5	54.7	
21-Dec-18	Sunny	13:51	73.6	54.8	
21-Dec-18	Sunny	13:56	72.4	53.6	
27-Dec-18	Cloudy	13:34	72.3	53.8	72
27-Dec-18	Cloudy	13:39	73.6	56.5	
27-Dec-18	Cloudy	13:44	74.7	56.0	
27-Dec-18	Cloudy	13:49	70.9	54.9	
27-Dec-18	Cloudy	13:54	72.8	53.6	
27-Dec-18	Cloudy	13:59	73.8	55.7	

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

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

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
04-Dec-18	Sunny	11:03	64.2	59.7	65
04-Dec-18	Sunny	11:08	64.5	60.4	
04-Dec-18	Sunny	11:13	64.9	60.8	
04-Dec-18	Sunny	11:18	63.6	60.3	
04-Dec-18	Sunny	11:23	64.4	59.6	
04-Dec-18	Sunny	11:28	63.4	60.2	
10-Dec-18	Cloudy	11:02	65.3	59.7	65
10-Dec-18	Cloudy	11:07	64.6	59.0	
10-Dec-18	Cloudy	11:12	63.3	58.9	
10-Dec-18	Cloudy	11:17	65.1	60.0	
10-Dec-18	Cloudy	11:22	64.3	58.9	
10-Dec-18	Cloudy	11:27	63.8	58.9	
21-Dec-18	Sunny	11:07	64.0	59.4	65
21-Dec-18	Sunny	11:12	63.7	58.9	
21-Dec-18	Sunny	11:17	63.6	59.2	
21-Dec-18	Sunny	11:22	64.0	59.4	
21-Dec-18	Sunny	11:27	63.7	59.1	
21-Dec-18	Sunny	11:32	63.5	59.1	
27-Dec-18	Cloudy	11:28	62.4	57.6	64
27-Dec-18	Cloudy	11:33	64.2	58.3	
27-Dec-18	Cloudy	11:38	64.2	58.4	
27-Dec-18	Cloudy	11:43	64.0	58.0	
27-Dec-18	Cloudy	11:48	61.8	57.7	
27-Dec-18	Cloudy	11:53	64.5	58.3	

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

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

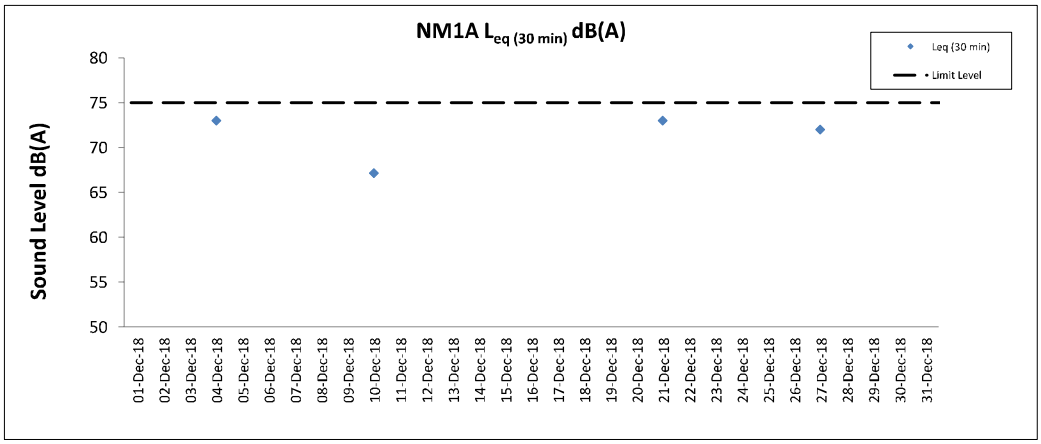
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
04-Dec-18	Sunny	09:25	59.6	48.0	53
04-Dec-18	Sunny	09:30	56.3	49.6	
04-Dec-18	Sunny	09:35	58.3	51.0	
04-Dec-18	Sunny	09:40	57.5	49.3	
04-Dec-18	Sunny	09:45	53.0	46.1	
04-Dec-18	Sunny	09:50	64.8	47.3	
10-Dec-18	Cloudy	14:55	61.4	46.9	62
10-Dec-18	Cloudy	15:00	67.0	59.4	
10-Dec-18	Cloudy	15:05	66.2	50.3	
10-Dec-18	Cloudy	15:10	58.7	50.2	
10-Dec-18	Cloudy	15:15	60.2	50.7	
10-Dec-18	Cloudy	15:20	65.6	49.5	
21-Dec-18	Sunny	10:34	55.8	47.9	56
21-Dec-18	Sunny	10:39	54.9	47.3	
21-Dec-18	Sunny	10:44	55.3	46.5	
21-Dec-18	Sunny	10:49	58.0	46.8	
21-Dec-18	Sunny	10:54	56.1	46.4	
21-Dec-18	Sunny	10:59	56.2	47.9	
27-Dec-18	Cloudy	09:17	55.7	48.6	61
27-Dec-18	Cloudy	09:22	58.4	49.1	
27-Dec-18	Cloudy	09:27	55.7	48.6	
27-Dec-18	Cloudy	09:32	61.1	50.3	
27-Dec-18	Cloudy	09:37	65.2	50.7	
27-Dec-18	Cloudy	09:42	60.9	50.4	

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

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

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
04-Dec-18	Sunny	09:44	72.6	62.7	68
04-Dec-18	Sunny	09:49	73.0	61.8	
04-Dec-18	Sunny	09:54	69.3	61.5	
04-Dec-18	Sunny	09:59	69.7	61.3	
04-Dec-18	Sunny	10:04	70.3	54.5	
04-Dec-18	Sunny	10:09	68.5	55.3	
10-Dec-18	Cloudy	09:42	72.3	58.8	73
10-Dec-18	Cloudy	09:47	75.1	58.2	
10-Dec-18	Cloudy	09:52	77.4	58.1	
10-Dec-18	Cloudy	09:57	70.7	56.3	
10-Dec-18	Cloudy	10:02	77.9	55.8	
10-Dec-18	Cloudy	10:07	76.7	58.5	
21-Dec-18	Sunny	09:46	68.2	54.5	68
21-Dec-18	Sunny	09:51	65.1	51.8	
21-Dec-18	Sunny	09:56	69.8	56.6	
21-Dec-18	Sunny	10:01	71.4	53.8	
21-Dec-18	Sunny	10:06	70.0	52.4	
21-Dec-18	Sunny	10:11	62.4	49.4	
27-Dec-18	Cloudy	09:46	69.2	52.4	68
27-Dec-18	Cloudy	09:51	71.5	52.5	
27-Dec-18	Cloudy	09:56	69.0	48.9	
27-Dec-18	Cloudy	10:01	66.6	50.9	
27-Dec-18	Cloudy	10:06	68.0	49.2	
27-Dec-18	Cloudy	10:11	67.4	50.9	

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


NM1A $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Dec-18
02-Dec-18
03-Dec-18
04-Dec-18
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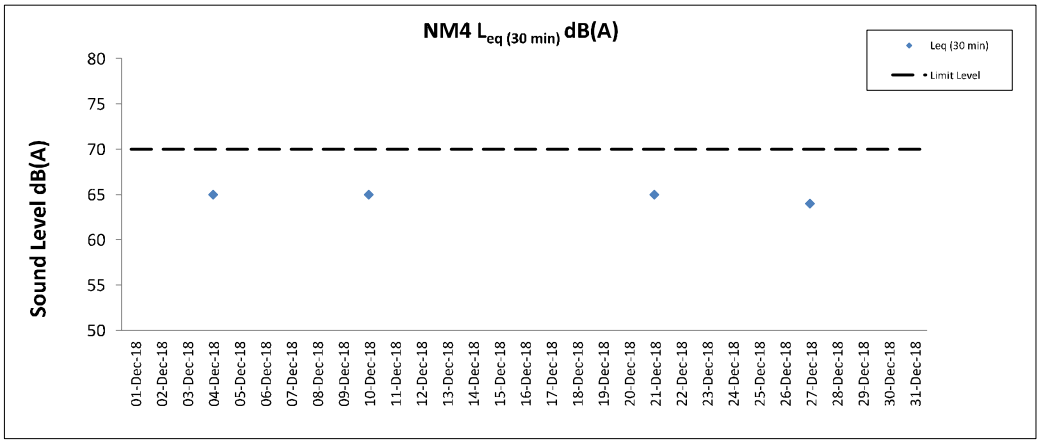
31-Dec-18


NM4 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Dec-18
02-Dec-18
03-Dec-18
04-Dec-18
05-Dec-18
06-Dec-18
07-Dec-18
08-Dec-18
09-Dec-18
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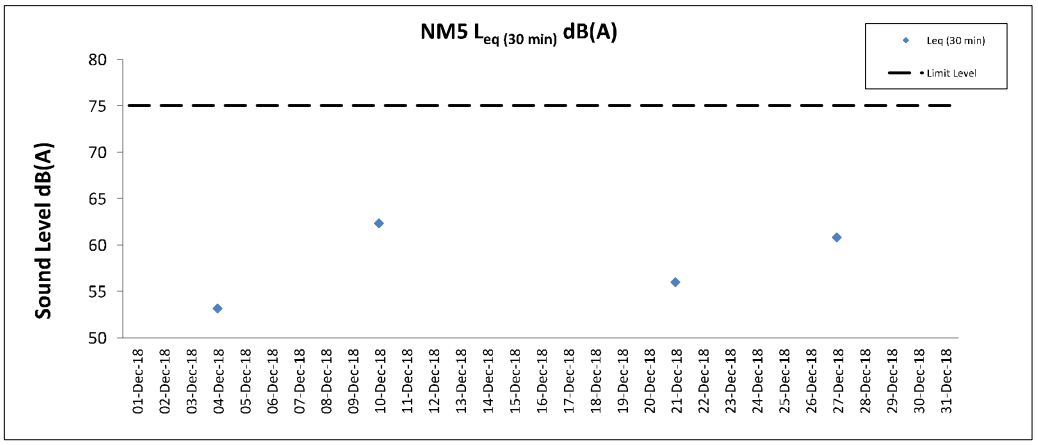
NM5 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Dec-18
02-Dec-18
03-Dec-18
04-Dec-18
05-Dec-18
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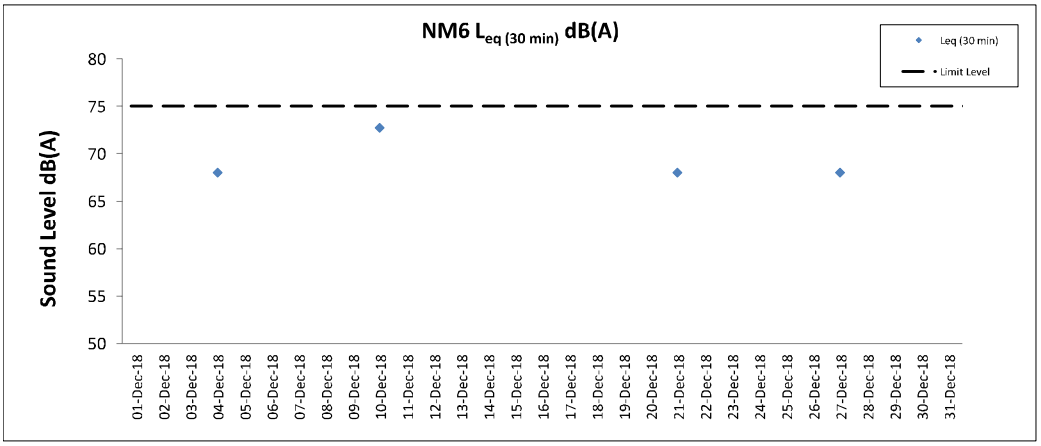
NM6 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
80
75
70
65
60
55
50
Leq (30 min)
Limit Level
01-Dec-18
02-Dec-18
03-Dec-18
04-Dec-18
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30-Dec-18
31-Dec-18

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	20:34	7.7	Surface	1.0	0.3	216	22.8	22.8	8.0	8.0	30.1	30.1	94.2	94.2	6.8	6.8	16.4	16.9	20	19	84	89	815643	804235	<0.2	<0.2	2.8	2.8
						1.0	0.3	235	22.8		8.0		30.1		94.2		6.8		16.5		20		85				<0.2		2.7	
					Middle	3.9	0.2	231	22.7	22.7	8.0	8.0	30.0	30.0	94.2	94.2	6.8		16.9		20		89				<0.2		2.9	
						3.9	0.2	246	22.7		8.0		30.0		94.2		6.8		16.9		18		89				<0.2		2.7	
					Bottom	6.7	0.1	264	22.7	22.7	8.0	8.0	30.0	30.0	94.4	94.5	6.8	6.9	17.3		18		94				<0.2		2.9	
						6.7	0.1	285	22.7		8.0		30.0		94.5		6.9		17.4		18		94				<0.2		2.9	
C2	Fine	Moderate	22:11	12.4	Surface	1.0	0.5	205	23.0	23.0	8.0	8.0	24.4	24.5	84.5	84.4	6.3	6.2	9.1	18.8	6	8	89	91	825687	806933	<0.2	<0.2	3.4	3.4
						1.0	0.5	217	22.9		8.0		24.5		84.3		6.3		9.3		6		88				<0.2		3.5	
					Middle	6.2	0.5	191	22.8	22.8	8.0	8.0	28.5	28.5	83.9	83.9	6.1		16.9		6		92				<0.2		3.5	
						6.2	0.5	202	22.8		8.0		28.5		83.9		6.1		16.9		7		90				<0.2		3.4	
					Bottom	11.4	0.3	234	22.7	22.7	8.0	8.0	29.1	29.1	84.6	84.6	6.2	6.2	30.2		10		92				<0.2		3.4	
						11.4	0.3	250	22.7		8.0		29.1		84.6		6.2		30.7		10		93				<0.2		3.3	
C3	Fine	Moderate	20:12	11.7	Surface	1.0	0.1	132	22.7	22.7	8.1	8.1	30.0	30.0	90.2	90.2	6.5	6.5	7.2	8.3	13	14	91	92	822102	817786	<0.2	<0.2	3.6	3.4
						1.0	0.1	144	22.7		8.1		30.0		90.1		6.5		7.2		12		89				<0.2		3.3	
					Middle	5.9	0.1	115	22.7	22.7	8.1	8.1	30.1	30.1	89.0	89.0	6.5		8.4		13		92				<0.2		3.3	
						5.9	0.1	119	22.7		8.1		30.1		89.0		6.5		8.4		15		92				<0.2		3.3	
					Bottom	10.7	0.1	334	22.6	22.6	8.1	8.1	30.5	30.5	83.0	82.9	6.0	6.0	9.2		15		93				<0.2		3.4	
						10.7	0.1	334	22.6		8.1		30.4		82.8		6.0		9.2		14		95				<0.2		3.5	
IM1	Fine	Moderate	20:54	4.8	Surface	1.0	0.2	6	23.1	23.1	8.1	8.1	30.4	30.4	94.4	94.4	6.8	6.8	10.2	11.8	15	14	85	90	817933	807120	<0.2	<0.2	2.6	2.7
						1.0	0.3	6	23.0		8.1		30.4		94.4		6.8		10.4		15		86				<0.2		2.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	13	22.9	22.9	8.2	8.2	30.4	30.4	95.9	96.0	6.9	7.0	13.3		14		94				<0.2		2.8	
						3.8	0.2	13	22.8		8.2		30.4		96.1		7.0		13.3		13		94				<0.2		2.6	
IM2	Fine	Moderate	21:00	6.4	Surface	1.0	0.3	177	22.9	22.9	8.2	8.2	29.6	29.6	94.4	94.4	6.8	6.8	15.1	17.1	14	16	85	89	818149	806183	<0.2	<0.2	2.4	2.5
						1.0	0.3	188	22.9		8.2		29.6		94.3		6.8		15.3		15		85				<0.2		2.5	
					Middle	3.2	0.2	176	22.8	22.8	8.2	8.2	29.8	29.8	94.0	94.0	6.8		17.6		15		90				<0.2		2.5	
						3.2	0.2	190	22.8		8.2		29.8		94.0		6.8		17.6		16		90				<0.2		2.5	
					Bottom	5.4	0.2	0	22.8	22.8	8.2	8.2	29.9	29.9	93.9	93.9	6.8	6.8	18.2		17		93				<0.2		2.4	
						5.4	0.2	0	22.8		8.2		29.9		93.9		6.8		18.8		17		93				<0.2		2.6	
IM3	Fine	Moderate	21:06	6.8	Surface	1.0	0.2	242	22.8	22.8	8.0	8.0	29.1	29.1	93.7	93.7	6.8	6.8	18.9	20.1	21	25	85	89	818770	805580	<0.2	<0.2	2.4	2.5
						1.0	0.2	245	22.8		8.0		29.1		93.7		6.8		18.9		22		85				<0.2		2.5	
					Middle	3.4	0.2	255	22.8	22.8	8.0	8.0	29.1	29.1	93.8	93.9	6.8		20.3		27		89				<0.2		2.4	
						3.4	0.2	272	22.8		8.0		29.1		93.9		6.8		20.1		27		89				<0.2		2.5	
					Bottom	5.8	0.2	247	22.8	22.8	8.0	8.0	29.1	29.1	94.2	94.4	6.9	6.9	21.3		26		93				<0.2		2.4	
						5.8	0.2	252	22.8		8.0		29.1		94.6		6.9		21.3		27		93				<0.2		2.5	
IM4	Fine	Moderate	21:13	6.7	Surface	1.0	0.2	326	22.9	22.9	8.0	8.0	29.3	29.3	94.0	94.0	6.8	6.8	13.1	14.4	18	18	85	89	819737	804599	<0.2	<0.2	2.6	2.6
						1.0	0.3	328	22.9		8.0		29.3		94.0		6.8		13.1		18		85				<0.2		2.5	
					Middle	3.4	0.2	339	22.8	22.8	8.0	8.0	29.6	29.6	94.2	94.3	6.8		13.8		19		89				<0.2		2.5	
						3.4	0.2	353	22.8		8.0		29.6		94.3		6.8		13.8		19		89				<0.2		2.4	
					Bottom	5.7	0.1	294	22.8	22.8	8.0	8.0	29.6	29.6	95.6	95.9	6.9	7.0	16.3		18		93				<0.2		2.8	
						5.7	0.1	304	22.8		8.0		29.6		96.2		7.0		16.3		17		93				<0.2		2.8	
IM5	Fine	Moderate	21:20	6.3	Surface	1.0	0.5	254	23.1	23.1	7.9	7.9	27.7	27.7	88.5	88.5	6.5	6.5	13.5	14.9	15	17	85	90	820735	804847	<0.2	<0.2	2.6	2.6
						1.0	0.5	254	23.1		7.9		27.7		88.5		6.5		13.4		16		85				<0.2		2.6	
					Middle	3.2	0.4	252	23.1	23.1	7.9	7.9	27.8	27.8	88.2	88.2	6.4		14.6		18		90				<0.2		2.6	
						3.2	0.4	262	23.1		7.9		27.8		88.1		6.4		14.8		17		90				<0.2		2.5	
					Bottom	5.3	0.2	258	23.1	23.1	7.9	7.9	27.8	27.8	87.9	87.9	6.4	6.4	16.6		16		94				<0.2		2.5	
						5.3	0.3	271	23.1		7.9		27.8		87.9		6.4		16.7		17		94				<0.2		2.5	
IM6	Fine	Moderate	21:27	6.1	Surface	1.0	0.6	266	23.1	23.1	7.9	7.9	27.6	27.6	88.6	88.6	6.5	6.5	13.6	14.6	12	13	85	89	821036	805806	<0.2	<0.2	2.4	2.4
						1.0	0.6	288	23.1		7.9		27.6		88.6		6.5		13.9		13		85				<0.2		2.5	
					Middle	3.1	0.5	273	23.1	23.1	7.9	7.9	27.7	27.7	88.7	88.7	6.5		14.8		12		89				<0.2		2.4	
						3.1	0.6	284	23.1		7.9		27.8		88.7		6.5		14.9		13		89				<0.2		2.5	
					Bottom	5.1	0.5	269	23.0	23.0	7.9	7.9	27.8	27.8	89.0	89.1	6.5	6.5	15.1		13		94				<0.2		2.4	
						5.1	0.5	283	23.0		7.9		27.8		89.1		6.5		15.2		12		94				<0.2		2.3	
IM7	Fine	Moderate	21:35	6.5	Surface	1.0	0.5	224	23.2	23.2	7.9	7.9	27.2	27.3	89.3	89.3	6.5	6.6	11.3	12.6	9	8	85	89	821357	806841	<0.2	<0.2	2.4	2.5
						1.0	0.6	233	23.2		7.9		27.3		89.3		6.5		11.5		9		84				<0.2		2.4	
					Middle	3.3	0.5	229	23.1	23.1	7.9	7.9	27.7	27.7	89.8	89.9	6.6		12.9		8		89				<0.2		2.4	
						3.3	0.5	240	23.0		7.9		27.7		90.0		6.6		12.8		8		90				<0.2		2.5	
					Bottom	5.5	0.4	231	23.0	23.0	7.9	7.9	27.8	27.8	90.8	90.9	6.6	6.6	13.6		7		93				<0.2		2.6	
						5.5	0.4	253	23.0		7.9		27.8		90.9		6.6		13.6		7		93				<0.2		2.5	
IM8	Fine	Moderate	21:42	6.8	Surface	1.0	0.5	211	22.8	22.8	8.0	8.0	27.3	27.4	87.5	87.5	6.4	6.5	6.7	9.0	5	6	87	90	821840	808155	<0.2	<0.2	3.2	3.4
						1.0	0.5	221	22.8		8.0		27.4		87.5		6.4		6.8		6		87				<0.2		3.4	
					Middle	3.4	0.4	224	22.6	22.6	8.0	8.0	28.1	28.2	88.4	88.5	6.5		9.2		6		89				<0.2		3.5	
						3.4	0.5	244	22.6		8.0		28.2		88.6		6.5		9.5		5		91				<0.2		3.3	
					Bottom	5.8	0.4	235	22.7	22.7	8.0	8.0	28.3	28.3	89.1	89.1	6.5	6.5	10.9		6		93				<0.2		3.4	
						5.8	0.4	256	22.7		8.0		28.3		89.1		6.5		11.1		6		95				<0.2		3.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	21:37	6.5	Surface	1.0	0.5	203	22.7	22.7	8.0	8.0	27.3	27.3	88.2	88.2	6.5	6.5	6.5	8.1	6	7	88	90	822106	808806	<0.2	<0.2	3.4	3.4
						1.0	0.5	208	22.7		8.0		27.3		88.2		6.5		6.5		7		87				<0.2		3.5	
					Middle	3.3	0.2	212	22.6	22.6	8.0	8.0	28.0	28.0	87.6	87.7	6.4		8.0		5		90				<0.2		3.5	
						3.3	0.2	227	22.6		8.0		28.0		87.7		6.4		8.0		6		89				<0.2		3.2	
					Bottom	5.5	0.2	266	22.6	22.6	8.0	8.0	28.4	28.4	88.4	88.4	6.5	6.5	9.7		7		93				<0.2		3.5	
						5.5	0.2	286	22.6		8.0		28.4		88.4		6.5		9.8		8		94				<0.2		3.4	
IM10	Fine	Moderate	21:29	7.0	Surface	1.0	0.3	169	22.7	22.7	8.0	8.0	27.3	27.3	87.8	87.8	6.5	6.5	5.5	12.7	6	7	89	91	822376	809811	<0.2	<0.2	3.5	3.5
						1.0	0.3	179	22.7		8.0		27.3		87.8		6.5		5.5		7		88				<0.2		3.4	
					Middle	3.5	0.1	166	22.6	22.6	8.1	8.1	28.5	28.5	88.7	88.8	6.5		8.5		7		91				<0.2		3.6	
						3.5	0.1	169	22.6		8.1		28.5		88.8		6.5		8.7		6		91				<0.2		3.3	
					Bottom	6.0	0.0	176	22.6	22.6	8.1	8.1	29.0	29.0	90.0	90.1	6.6	6.6	23.2		7		93				<0.2		3.5	
						6.0	0.0	191	22.6		8.1		29.0		90.1		6.6		24.7		7		92				<0.2		3.4	
IM11	Fine	Moderate	21:17	7.4	Surface	1.0	0.2	111	22.8	22.8	8.1	8.1	28.7	28.7	90.2	90.2	6.6	6.6	6.8	8.1	6	6	89	92	822070	811437	<0.2	<0.2	3.2	3.3
						1.0	0.2	117	22.8		8.1		28.8		90.2		6.6		6.9		6		91				<0.2		3.2	
					Middle	3.7	0.1	102	22.8	22.8	8.1	8.1	28.8	28.8	90.9	91.0	6.6		8.2		6		91				<0.2		3.4	
						3.7	0.2	112	22.7		8.1		28.8		91.0		6.6		8.3		6		92				<0.2		3.3	
					Bottom	6.4	0.1	129	22.7	22.7	8.1	8.1	28.9	28.9	93.7	93.8	6.8	6.9	9.4		6		93				<0.2		3.3	
						6.4	0.1	139	22.7		8.1		28.9		93.9		6.9		9.3		6		95				<0.2		3.5	
IM12	Fine	Moderate	21:10	8.1	Surface	1.0	0.1	147	22.6	22.6	8.1	8.1	29.0	29.0	91.6	91.6	6.7	6.7	8.5	9.5	6	7	90	91	821473	812055	<0.2	<0.2	3.4	3.4
						1.0	0.1	152	22.6		8.1		29.0		91.6		6.7		8.4		6		91				<0.2		3.3	
					Middle	4.1	0.1	129	22.4	22.4	8.1	8.1	29.3	29.3	91.8	91.8	6.7		9.9		7		92				<0.2		3.3	
						4.1	0.1	141	22.4		8.1		29.3		91.8		6.7		9.9		6		91				<0.2		3.5	
					Bottom	7.1	0.1	19	22.4	22.4	8.1	8.1	29.5	29.5	92.4	92.5	6.8	6.8	10.2		8		89				<0.2		3.6	
						7.1	0.1	20	22.4		8.1		29.5		92.5		6.8		10.2		8		90				<0.2		3.5	
SR1A	Fine	Moderate	20:50	4.6	Surface	1.0	-	-	22.5	22.5	8.1	8.1	29.7	29.7	91.4	91.4	6.7	6.7	8.0	9.1	11	11	-	-	820075	812590	-	-	-	-
						1.0	-	-	22.5		8.1		29.7		91.3		6.7		8.0		11		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	22.5	22.5	8.1	8.1	30.0	30.0	89.7	89.7	6.5	6.5	10.1		11		-				-		-	
						3.6	-	-	22.5		8.1		30.0		89.6		6.5		10.2		10		-				-		-	
SR2	Fine	Moderate	20:38	4.4	Surface	1.0	0.3	91	22.5	22.5	8.1	8.1	29.6	29.7	92.7	92.7	6.8	6.8	9.0	9.7	12	12	91	92	821483	814176	<0.2	<0.2	3.3	2.8
						1.0	0.3	99	22.5		8.1		29.7		92.7		6.8		9.1		12		90				<0.2		3.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	75	22.4	22.4	8.1	8.1	29.9	29.9	93.3	93.3	6.8	6.8	10.3		13		93				<0.2		2.5	
						3.4	0.1	80	22.4		8.1		29.9		93.3		6.8		10.4		12		94				<0.2		2.3	
SR3	Fine	Moderate	21:48	8.4	Surface	1.0	0.5	198	22.9	22.9	8.0	8.0	27.1	27.1	87.1	87.1	6.4	6.4	8.5	12.2	6	7	-	-	822147	807563	-	-	-	-
						1.0	0.6	216	22.8		8.0		27.2		87.0		6.4		8.9		6		-				-		-	
					Middle	4.2	0.4	228	22.6	22.6	8.0	8.0	28.3	28.3	86.4	86.4	6.3		13.1		6		-				-		-	
						4.2	0.4	229	22.6		8.0		28.3		86.4		6.3		13.1		6		-				-		-	
					Bottom	7.4	0.3	255	22.6	22.6	8.0	8.0	28.5	28.5	85.5	85.5	6.3	6.3	14.8		8		-				-		-	
						7.4	0.4	277	22.6		8.0		28.5		85.4		6.3		15.0		9		-				-		-	
SR4A	Fine	Moderate	20:15	7.4	Surface	1.0	0.3	223	23.0	23.0	8.0	8.0	29.9	29.9	93.1	93.1	6.7	6.7	17.5	19.4	19	20	-	-	817171	807826	-	-	-	-
						1.0	0.3	242	23.0		8.0		29.9		93.1		6.7		17.5		20		-				-		-	
					Middle	3.7	0.1	207	23.0	23.0	8.0	8.0	29.9	29.9	93.1	93.1	-		19.9		20		-				-		-	
						3.7	0.1	209	23.0		8.0		29.9		93.1		-		19.6		19		-				-		-	
					Bottom	6.4	0.1	234	23.0	23.0	8.0	8.0	29.9	29.9	93.2	93.3	6.7	6.7	20.8		20		-				-		-	
						6.4	0.1	235	23.0		8.0		29.9		93.3		6.7		21.0		21		-				-		-	
SR5A	Fine	Moderate	20:02	4.2	Surface	1.0	0.4	280	23.1	23.1	7.9	7.9	29.9	29.9	93.0	93.0	6.7	6.7	10.4	11.5	8	8	-	-	816616	810703	-	-	-	-
						1.0	0.4	303	23.1		7.9		29.9		93.0		6.7		10.4		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.3	282	23.1	23.1	7.9	7.9	30.0	30.0	94.4	94.5	6.8	6.8	12.7		8		-				-		-	
						3.2	0.3	283	23.1		7.9		30.0		94.6		6.8		12.6		7		-				-		-	
SR6	Fine	Moderate	19:40	3.7	Surface	1.0	0.1	314	22.9	22.9	7.9	7.9	30.1	29.9	95.5	93.4	6.9	6.8	10.3	11.5	8	9	-	-	817915	814685	-	-	-	-
						1.0	0.1	329	22.9		7.9		29.7		91.3		6.6		10.6		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	312	22.9	22.9	7.9	7.9	29.8	29.8	91.2	91.2	6.6	6.6	12.5		10		-				-		-	
						2.7	0.1	327	22.9		7.9		29.8		91.2		6.6		12.5		10		-				-		-	
SR7	Fine	Moderate	19:33	15.8	Surface	1.0	0.2	68	22.5	22.5	8.1	8.1	30.5	30.5	88.3	88.3	6.4	6.4	4.5	5.3	7	7	-	-	823616	823754	-	-	-	-
						1.0	0.3	73	22.5		8.1		30.5		88.2		6.4		4.5		6		-				-		-	
					Middle	7.9	0.0	15	22.6	22.6	8.1	8.1	30.7	30.7	86.8	86.8	-		5.1		8		-				-		-	
						7.9	0.0	15	22.6		8.1		30.7		86.8		-		5.2		7		-				-		-	
					Bottom	14.8	0.2	279	22.7	22.7	8.0	8.0	31.0	31.0	87.1	87.2	6.3	6.3	6.1		8		-				-		-	
						14.8	0.2	286	22.7		8.0		31.0		87.2		6.3		6.1		7		-				-		-	
SR8	Fine	Moderate	21:00	4.8	Surface	1.0	-	-	22.6	22.6	8.1	8.1	29.3	29.3	93.4	93.4	6.8	6.8	8.3	9.5	13	13	-	-	820246	811418	-	-	-	-
						1.0	-	-	22.6		8.1		29.3		93.4		6.8		8.4		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	22.6	22.6	8.1	8.1	29.5	29.5	93.3	93.3	6.8	6.8	10.7		12		-				-		-	
						3.8	-	-	22.6		8.1		29.5		93.2		6.8		10.8		12		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:28	8.3	Surface	1.0	0.3	44	22.8	22.9	8.1	8.1	30.3	30.3	93.0	93.0	6.7	6.7	18.0	19.5	13	13	84	89	815605	804228	<0.2	<0.2	2.3	2.7
						1.0	0.3	48	22.9		8.1		30.3		93.0		6.7		18.3		12		85				<0.2		2.5	
					Middle	4.2	0.4	41	22.9	22.9	8.1	8.1	30.5	30.5	93.0	93.0	6.7		19.6		13		90				<0.2		2.8	
						4.2	0.5	43	22.9		8.1		30.5		93.0		6.7		19.9		13		90				<0.2		2.5	
					Bottom	7.3	0.4	42	22.9	22.9	8.1	8.1	30.5	30.5	93.1	93.2	6.7	6.7	20.6		14		93				<0.2		2.8	
						7.3	0.4	43	22.9		8.1		30.5		93.2		6.7		20.8		14		93				<0.2		3.2	
C2	Fine	Moderate	13:40	12.1	Surface	1.0	0.3	237	22.9	22.9	8.0	8.0	24.7	24.7	83.6	83.6	6.2	6.2	13.7	16.3	7	8	87	90	825690	806954	<0.2	<0.2	3.5	3.6
						1.0	0.3	249	22.9		8.0		24.7		83.5		6.2		14.3		6		88				<0.2		3.3	
					Middle	6.1	0.2	249	22.8	22.8	8.0	8.0	28.4	28.4	83.4	83.4	6.1		15.8		8		89				<0.2		3.6	
						6.1	0.3	249	22.8		8.0		28.4		83.4		6.1		15.8		7		91				<0.2		3.7	
					Bottom	11.1	0.2	289	22.8	22.8	8.0	8.0	28.5	28.5	83.5	83.5	6.1	6.1	19.0		10		92				<0.2		3.8	
						11.1	0.2	299	22.8		8.0		28.5		83.5		6.1		19.0		11		91				<0.2		3.7	
C3	Fine	Moderate	15:50	12.6	Surface	1.0	0.4	269	22.9	22.9	8.1	8.1	30.2	30.2	91.9	91.7	6.6	6.5	4.4	9.1	8	7	89	92	822104	817805	<0.2	<0.2	3.6	3.6
						1.0	0.4	295	22.9		8.1		30.2		91.5		6.6		4.4		8		91				<0.2		3.6	
					Middle	6.3	0.5	256	22.7	22.7	8.1	8.1	30.9	30.9	87.9	88.0	6.4		9.0		7		93				<0.2		3.5	
						6.3	0.5	277	22.7		8.1		30.9		88.0		6.4		9.4		7		92				<0.2		3.5	
					Bottom	11.6	0.3	268	22.7	22.7	8.1	8.1	30.9	30.9	88.6	88.6	6.4	6.4	14.1		5		94				<0.2		3.5	
						11.6	0.3	274	22.7		8.1		30.9		88.6		6.4		13.3		6		93				<0.2		3.8	
IM1	Fine	Moderate	14:07	4.6	Surface	1.0	0.2	30	23.2	23.2	8.1	8.1	30.3	30.3	93.3	93.3	6.7	6.7	19.0	20.4	21	20	85	90	817958	807144	<0.2	<0.2	2.9	2.7
						1.0	0.3	31	23.2		8.1		30.3		93.3		6.7		19.2		19		86				<0.2		2.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	31	23.2	23.2	8.1	8.1	30.4	30.4	93.7	93.8	6.7	6.7	21.6		20		94				<0.2		2.5	
						3.6	0.2	31	23.2		8.1		30.4		93.8		6.7		21.6		19		95				<0.2		2.6	
IM2	Fine	Moderate	14:01	7.2	Surface	1.0	0.2	358	23.0	23.0	8.1	8.1	29.5	29.5	95.1	95.1	6.9	6.9	10.6	12.8	12	12	84	89	818177	806173	<0.2	<0.2	2.5	2.7
						1.0	0.2	329	23.0		8.1		29.5		95.1		6.9		10.6		12		85				<0.2		2.7	
					Middle	3.6	0.2	2	22.9	22.9	8.1	8.1	29.6	29.6	95.3	95.3	6.9		13.6		11		89				<0.2		2.7	
						3.6	0.2	2	22.9		8.1		29.6		95.3		6.9		13.7		12		90				<0.2		2.6	
					Bottom	6.2	0.1	344	22.9	23.0	8.1	8.1	29.6	29.6	95.5	95.6	6.9	6.9	14.0		13		93				<0.2		2.8	
						6.2	0.1	316	23.0		8.1		29.6		95.6		6.9		14.0		12		95				<0.2		2.6	
IM3	Fine	Moderate	13:55	7.0	Surface	1.0	0.2	353	23.0	23.0	8.0	8.0	29.3	29.3	94.6	94.6	6.9	6.9	13.2	14.6	15	16	85	90	818764	805584	<0.2	<0.2	3.0	2.9
						1.0	0.2	355	22.9		8.0		29.3		94.5		6.9		13.3		16		86				<0.2		2.8	
					Middle	3.5	0.2	21	22.9	22.9	8.0	8.0	29.3	29.3	94.2	94.2	6.8		13.6		15		89				<0.2		2.9	
						3.5	0.2	22	22.8		8.0		29.3		94.2		6.8		13.7		16		90				<0.2		3.0	
					Bottom	6.0	0.3	38	22.8	22.8	8.0	8.0	29.3	29.3	94.4	94.4	6.9	6.9	16.6		16		94				<0.2		2.8	
						6.0	0.3	40	22.8		8.0		29.3		94.4		6.9		17.0		16		95				<0.2		3.0	
IM4	Fine	Moderate	13:45	6.9	Surface	1.0	0.4	355	22.9	22.9	8.0	8.0	29.0	29.0	93.4	93.4	6.8	6.8	17.9	19.3	23	23	85	90	819746	804603	<0.2	<0.2	2.7	2.9
						1.0	0.4	327	22.9		8.0		29.0		93.4		6.8		18.0		23		87				<0.2		2.8	
					Middle	3.5	0.3	353	22.9	22.9	8.0	8.0	29.0	29.0	93.3	93.3	6.8		18.5		22		89				<0.2		3.0	
						3.5	0.3	325	22.9		8.0		29.0		93.3		6.8		18.9		23		91				<0.2		3.0	
					Bottom	5.9	0.3	4	22.9	22.9	8.0	8.0	29.0	29.0	93.5	93.6	6.8	6.8	21.0		23		93				<0.2		2.8	
						5.9	0.3	4	22.9		8.0		29.0		93.6		6.8		21.3		22		94				<0.2		2.8	
IM5	Fine	Moderate	13:38	6.5	Surface	1.0	0.3	286	23.0	23.0	8.0	8.0	28.3	28.4	92.9	93.0	6.8	6.8	12.2	13.3	8	8	85	90	820716	804857	<0.2	<0.2	2.8	2.8
						1.0	0.4	309	23.0		8.0		28.4		93.0		6.8		12.3		8		87				<0.2		2.7	
					Middle	3.3	0.3	313	23.0	23.0	8.0	8.0	28.8	28.9	93.4	93.5	6.8		13.1		7		89				<0.2		2.8	
						3.3	0.3	333	23.0		8.0		28.9		93.5		6.8		13.2		8		91				<0.2		2.9	
					Bottom	5.5	0.3	354	23.0	23.0	7.9	7.9	29.1	29.1	94.0	94.0	6.8	6.8	14.5		9		94				<0.2		2.8	
						5.5	0.3	326	23.0		7.9		29.1		94.0		6.8		14.6		10		94				<0.2		3.0	
IM6	Fine	Moderate	13:31	6.4	Surface	1.0	0.4	284	23.2	23.2	7.9	7.9	27.3	27.3	88.9	88.9	6.5	6.5	11.1	12.1	8	9	86	90	821081	805808	<0.2	<0.2	2.7	2.7
						1.0	0.4	289	23.2		7.9		27.3		88.9		6.5		11.2		8		88				<0.2		2.7	
					Middle	3.2	0.3	293	23.2	23.2	8.0	8.0	27.4	27.4	89.1	89.2	6.5		12.0		8		90				<0.2		2.6	
						3.2	0.4	314	23.2		8.0		27.4		89.2		6.5		12.1		10		91				<0.2		2.7	
					Bottom	5.4	0.3	275	23.1	23.1	8.0	8.0	27.4	27.4	89.7	89.9	6.6	6.6	13.2		9		92				<0.2		2.8	
						5.4	0.3	277	23.1		8.0		27.4		90.1		6.6		13.2		9		94				<0.2		2.7	
IM7	Fine	Moderate	13:21	6.8	Surface	1.0	0.5	244	23.2	23.2	7.9	7.9	27.3	27.3	88.1	88.1	6.4	6.4	11.1	11.8	7	7	85	90	821362	806837	<0.2	<0.2	2.7	2.6
						1.0	0.5	255	23.2		7.9		27.3		88.1		6.4		11.1		7		87				<0.2		2.6	
					Middle	3.4	0.5	242	23.1	23.1	7.9	7.9	27.4	27.4	87.9	87.9	6.4		11.8		6		90				<0.2		2.5	
						3.4	0.5	250	23.1		7.9		27.4		87.9		6.4		11.8		7		91				<0.2		2.6	
					Bottom	5.8	0.4	252	23.1	23.1	7.9	7.9	27.4	27.4	87.8	87.8	6.4	6.4	12.4		8		93				<0.2		2.7	
						5.8	0.4	275	23.1		7.9		27.4		87.8		6.4		12.5		8		95				<0.2		2.5	
IM8	Fine	Moderate	14:02	7.8	Surface	1.0	0.2	260	23.0	23.0	8.0	8.0	27.5	27.5	89.2	89.2	6.5	6.5	6.5	7.0	6	5	87	90	821823	808162	<0.2	<0.2	3.6	3.6
						1.0	0.2	261	22.9		8.0		27.5		89.2		6.5		6.5		5		88				<0.2		3.4	
					Middle	3.9	0.2	264	22.9	22.9	8.0	8.0	27.7	27.7	89.1	89.1	6.5		6.9		5		89				<0.2		3.5	
						3.9	0.2	271	22.9		8.0		27.7		89.1		6.5		7.0		5		91				<0.2		3.6	
					Bottom	6.8	0.2	291	22.8	22.8	8.0	8.0	27.9	27.9	90.3	90.8	6.6	6.7	7.6		5		92				<0.2		3.6	
						6.8	0.2	296	22.8		8.0		27.9		91.3		6.7		7.4		5		92				<0.2		3.6	

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 01 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	14:09	7.5	Surface	1.0	0.2	295	22.8	22.8	8.0	8.0	27.9	27.9	89.0	89.1	6.5	6.6	6.6	8.0	5	6	88	90	822090	808821	<0.2	<0.2	3.6	3.6
						1.0	0.2	305	22.8		8.0		27.9		89.1		6.5		6.9		6		87				<0.2		3.6	
					Middle	3.8	0.2	294	22.8	22.8	8.0	8.0	28.1	28.1	89.6	89.7	6.6		8.3		6		89				<0.2		3.6	
						3.8	0.3	300	22.8		8.0		28.1		89.7		6.6		8.6		6		90				<0.2		3.6	
					Bottom	6.5	0.2	294	22.8	22.8	8.0	8.0	28.2	28.2	91.3	91.4	6.7	6.7	8.9		7		93				<0.2		3.5	
						6.5	0.2	303	22.8		8.0		28.1		91.5		6.7		8.6		6		92				<0.2		3.7	
IM10	Fine	Moderate	14:19	7.4	Surface	1.0	0.5	302	22.9	22.9	8.0	8.0	28.6	28.6	91.2	91.2	6.6	6.6	8.0	11.6	6	6	89	90	822379	809797	<0.2	<0.2	3.6	3.7
						1.0	0.5	309	22.9		8.0		28.6		91.1		6.6		8.3		5		89				<0.2		3.8	
					Middle	3.7	0.4	304	22.7	22.7	8.1	8.1	29.0	29.0	90.9	91.0	6.6		12.6		5		90				<0.2		3.5	
						3.7	0.5	333	22.7		8.1		29.0		91.0		6.6		12.8		6		91				<0.2		3.6	
					Bottom	6.4	0.3	313	22.7	22.7	8.1	8.1	29.0	29.0	91.7	91.8	6.7	6.7	13.9		6		92				<0.2		3.7	
						6.4	0.3	340	22.7		8.1		29.0		91.9		6.7		13.9		6		89				<0.2		3.7	
IM11	Fine	Moderate	14:32	7.8	Surface	1.0	0.6	290	22.9	22.9	8.1	8.1	29.3	29.3	93.1	93.1	6.8	6.8	6.9	11.7	6	6	89	90	822058	811448	<0.2	<0.2	3.5	3.6
						1.0	0.6	307	22.9		8.1		29.3		93.0		6.8		7.1		5		88				<0.2		3.7	
					Middle	3.9	0.5	301	22.5	22.5	8.1	8.1	29.6	29.6	92.4	92.5	6.8		12.5		6		90				<0.2		3.6	
						3.9	0.6	329	22.5		8.1		29.6		92.5		6.8		12.7		5		91				<0.2		3.8	
					Bottom	6.8	0.4	306	22.5	22.5	8.1	8.1	29.6	29.6	93.0	93.0	6.8	6.8	15.5		6		92				<0.2		3.5	
						6.8	0.4	317	22.5		8.1		29.6		93.0		6.8		15.5		5		92				<0.2		3.7	
IM12	Fine	Moderate	14:42	8.4	Surface	1.0	0.5	279	22.5	22.5	8.1	8.1	30.0	30.0	92.7	92.7	6.7	6.7	9.3	11.2	5	6	89	91	821450	812039	<0.2	<0.2	3.5	3.7
						1.0	0.5	294	22.5		8.1		30.1		92.7		6.7		9.4		6		89				<0.2		3.8	
					Middle	4.2	0.5	285	22.5	22.5	8.1	8.1	30.2	30.2	92.8	92.8	-		12.0		6		91				<0.2		3.6	
						4.2	0.5	290	22.5		8.1		30.2		92.8		-		12.1		6		92				<0.2		3.7	
					Bottom	7.4	0.3	276	22.5	22.5	8.1	8.1	30.3	30.2	93.5	93.6	6.8	6.8	12.4		7		94				<0.2		3.8	
						7.4	0.3	286	22.5		8.1		30.2		93.6		6.8		12.0		7		93				<0.2		3.6	
SR1A	Fine	Moderate	15:00	4.5	Surface	1.0	-	-	22.9	22.9	8.1	8.1	30.1	30.1	95.2	95.3	6.9	6.9	8.3	8.4	7	7	-	-	820064	812580	-	-	-	-
						1.0	-	-	22.9		8.1		30.1		95.3		6.9		8.4		7		-				-		-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.3	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	22.9	22.9	8.1	8.1	30.1	30.1	96.3	96.4	7.0	7.0	8.4		7		-				-		-	
						3.5	-	-	22.9		8.1		30.1		96.4		7.0		8.6		8		-				-		-	
SR2	Fine	Moderate	15:11	4.9	Surface	1.0	0.8	285	22.7	22.7	8.1	8.1	30.0	30.0	91.7	91.7	6.7	6.7	10.1	11.1	8	8	89	91	821456	814159	<0.2	<0.2	3.6	3.6
						1.0	0.8	288	22.6		8.1		30.0		91.7		6.7		10.4		7		89				<0.2		3.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.5	277	22.6	22.6	8.1	8.1	30.1	30.1	93.0	93.1	6.8	6.8	12.3		8		92				<0.2		3.6	
						3.9	0.6	295	22.6		8.1		30.1		93.2		6.8		11.8		8		93				<0.2		3.6	
SR3	Fine	Moderate	13:57	8.2	Surface	1.0	0.3	225	23.0	23.0	8.0	8.0	26.9	27.0	87.1	87.1	6.4	6.4	7.1	8.6	6	7	-	-	822147	807574	-	-	-	-
						1.0	0.3	225	22.9		8.0		27.0		87.1		6.4		7.3		6		-				-		-	
					Middle	4.1	0.2	258	22.7	22.7	8.0	8.0	28.0	28.0	87.2	87.2	-		9.1		8		-				-		-	
						4.1	0.2	266	22.7		8.0		28.0		87.2		-		9.2		7		-				-		-	
					Bottom	7.2	0.2	281	22.7	22.7	8.0	8.0	28.1	28.1	88.0	88.1	6.5	6.5	9.4		8		-				-		-	
						7.2	0.2	285	22.7		8.0		28.1		88.1		6.5		9.3		8		-				-		-	
SR4A	Fine	Moderate	14:45	9.4	Surface	1.0	0.2	228	23.3	23.3	8.0	8.0	29.9	29.9	94.3	94.3	6.8	6.8	12.5	12.7	15	13	-	-	817193	807795	-	-	-	-
						1.0	0.2	242	23.3		8.0		29.9		94.2		6.8		12.5		14		-				-		-	
					Middle	4.7	0.3	210	23.3	23.3	8.0	8.0	29.9	29.9	94.4	94.4	-		12.8		13		-				-		-	
						4.7	0.3	228	23.3		8.0		29.9		94.4		-		12.8		11		-				-		-	
					Bottom	8.4	0.2	209	23.3	23.3	8.0	8.0	29.9	29.9	94.8	94.9	6.8	6.8	12.8		12		-				-		-	
						8.4	0.2	216	23.3		8.0		29.9		95.0		6.8		13.0		12		-				-		-	
SR5A	Fine	Moderate	15:01	5.6	Surface	1.0	0.0	250	23.3	23.3	8.1	8.1	30.0	30.0	95.6	95.6	6.9	6.9	12.1	12.2	10	12	-	-	816598	810687	-	-	-	-
						1.0	0.0	254	23.3		8.1		30.0		95.6		6.9		12.1		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	291	23.3	23.3	8.1	8.1	30.0	30.0	95.7	95.8	6.9	6.9	12.3		13		-				-		-	
						4.6	0.1	298	23.3		8.1		30.0		95.8		6.9		12.3		14		-				-		-	
SR6	Fine	Moderate	15:25	5.3	Surface	1.0	0.1	143	23.2	23.2	8.1	8.1	29.9	29.9	96.0	96.1	6.9	6.9	11.8	12.3	12	14	-	-	817878	814683	-	-	-	-
						1.0	0.1	156	23.2		8.1		29.9		96.1		6.9		12.0		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	142	23.1	23.1	8.1	8.1	29.9	29.9	96.8	96.9	7.0	7.0	12.6		14		-				-		-	
						4.3	0.1	145	23.1		8.1		29.9		96.9		7.0		12.8		15		-				-		-	
SR7	Fine	Moderate	16:21	16.5	Surface	1.0	0.6	320	22.8	22.8	8.1	8.1	31.6	31.6	86.5	86.5	6.2	6.2	7.4	8.1	6	7	-	-	823613	823742	-	-	-	-
						1.0	0.6	350	22.8		8.1		31.6		86.5		6.2		7.4		6		-				-		-	
					Middle	8.3	0.2	255	22.8	22.8	8.1	8.1	31.7	31.7	86.5	86.6	6.2		8.4		7		-				-		-	
						8.3	0.2	276	22.8		8.1		31.7		86.6		6.2		8.4		6		-				-		-	
					Bottom	15.5	0.4	213	22.8	22.8	8.1	8.1	31.7	31.7	86.8	86.8	6.2	6.2	8.5		8		-				-		-	
						15.5	0.4	217	22.8		8.1		31.7		86.8		6.2		8.5		8		-				-		-	
SR8	Fine	Moderate	14:50	5.0	Surface	1.0	-	-	23.2	23.2	8.1	8.1	29.5	29.5	95.3	95.3	6.9	6.9	10.6	11.0	6	7	-	-	820246	811418	-	-	-	-
						1.0	-	-	23.1		8.1		29.5		95.2		6.9		10.8		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	22.6	22.7	8.1	8.1	29.8	29.8	94.9	95.0	6.9	6.9	11.2		8		-				-		-	
						4.0	-	-	22.7		8.1		29.7		95.0		6.9		11.3		8		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	10:21	8.7	Surface	1.0	0.0	175	23.2	23.2	8.1	8.1	28.8	28.7	96.4	96.3	7.0	7.0	8.6	12.5	2	4	84	90	815606	804261	<0.2	<0.2	1.9	2.0
						1.0	0.0	184	23.2		8.1		28.7		96.2		7.0		8.6		2		87				<0.2		1.9	
					Middle	4.4	0.1	185	23.1	23.1	8.1	8.1	30.7	30.7	95.7	95.7	6.9		13.4		4		89				<0.2		2.2	
						4.4	0.2	197	23.1		8.1		30.7		95.7		6.9		13.4		3		90				<0.2		1.9	
					Bottom	7.7	0.2	220	23.1	23.1	8.1	8.1	30.8	30.8	96.2	96.3	6.9	6.9	15.7		5		94				<0.2		1.9	
						7.7	0.2	237	23.1		8.1		30.8		96.4		6.9		15.7		5		94				<0.2		1.9	
C2	Fine	Moderate	09:11	11.3	Surface	1.0	0.2	121	23.5	23.5	7.9	7.9	26.4	26.4	88.2	88.2	6.4	6.4	5.7	10.4	7	6	84	87	825688	806941	<0.2	<0.2	2.4	2.5
						1.0	0.2	124	23.5		7.9		26.4		88.2		6.4		5.7		6		83				<0.2		2.5	
					Middle	5.7	0.1	137	23.5	23.5	7.9	7.9	28.2	28.2	88.2	88.2	6.4		12.0		6		87				<0.2		2.5	
						5.7	0.2	143	23.5		7.9		28.2		88.2		6.4		12.1		6		87				<0.2		2.5	
					Bottom	10.3	0.1	149	23.4	23.4	7.9	7.9	29.6	29.6	88.3	88.4	6.3	6.3	13.5		5		92				<0.2		2.5	
						10.3	0.1	152	23.4		7.9		29.6		88.4		6.3		13.6		6		91				<0.2		2.6	
C3	Fine	Moderate	10:56	11.3	Surface	1.0	0.4	74	23.5	23.5	8.0	8.0	29.6	29.6	92.3	92.3	6.6	6.5	2.6	2.8	3	3	84	88	822121	817810	<0.2	<0.2	2.0	1.9
						1.0	0.4	78	23.5		8.0		29.6		92.3		6.6		2.6		2		85				<0.2		1.8	
					Middle	5.7	0.4	68	23.4	23.4	7.9	7.9	30.3	30.3	89.6	89.6	6.4		2.8		2		88				<0.2		1.9	
						5.7	0.4	69	23.4		7.9		30.3		89.6		6.4		2.7		3		88				<0.2		1.9	
					Bottom	10.3	0.2	91	23.4	23.4	7.9	7.9	30.6	30.6	90.4	90.4	6.5	6.5	2.9		3		92				<0.2		1.8	
						10.3	0.2	93	23.4		7.9		30.6		90.4		6.5		2.9		3		92				<0.2		2.0	
IM1	Sunny	Moderate	09:57	5.2	Surface	1.0	0.1	176	23.3	23.3	8.2	8.2	29.5	29.6	96.2	96.2	6.9	6.9	10.2	11.7	4	4	86	90	817971	807114	<0.2	<0.2	2.0	1.8
						1.0	0.1	184	23.3		8.2		29.6		96.1		6.9		10.2		4		86				<0.2		2.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	148	23.2	23.2	8.2	8.2	29.9	29.9	95.5	95.6	6.9	6.9	13.3		5		94				<0.2		1.5	
						4.2	0.2	153	23.2		8.2		29.9		95.6		6.9		13.3		4		94				<0.2		1.5	
IM2	Sunny	Moderate	09:49	7.3	Surface	1.0	0.1	40	23.2	23.2	8.0	8.0	29.3	29.3	95.2	95.2	6.9	6.9	10.6	11.5	3	3	86	90	818146	806172	<0.2	<0.2	1.4	1.4
						1.0	0.1	42	23.2		8.0		29.4		95.1		6.9		10.5		3		86				<0.2		1.4	
					Middle	3.7	0.0	214	23.2	23.2	8.0	8.0	29.5	29.5	95.0	95.0	6.9		11.6		3		90				<0.2		1.4	
						3.7	0.0	215	23.2		8.0		29.5		95.0		6.9		11.6		3		90				<0.2		1.5	
					Bottom	6.3	0.1	157	23.2	23.2	8.0	8.0	29.5	29.5	95.1	95.1	6.9	6.9	12.2		4		95				<0.2		1.4	
						6.3	0.1	169	23.2		8.0		29.5		95.1		6.9		12.3		4		95				<0.2		1.5	
IM3	Sunny	Moderate	09:40	8.6	Surface	1.0	0.1	149	23.2	23.2	7.9	7.9	29.1	29.1	95.7	95.7	6.9	6.9	6.6	10.0	7	6	86	90	818803	805590	<0.2	<0.2	1.4	1.5
						1.0	0.1	162	23.2		8.0		29.2		95.6		6.9		6.9		7		87				<0.2		1.4	
					Middle	4.3	0.1	109	23.2	23.2	8.0	8.0	29.5	29.5	95.5	95.6	6.9		9.6		6		90				<0.2		1.5	
						4.3	0.1	113	23.2		8.0		29.5		95.6		6.9		9.7		5		90				<0.2		1.7	
					Bottom	7.6	0.1	92	23.2	23.2	8.0	8.0	29.3	29.2	96.0	96.1	6.9	7.0	13.6		4		94				<0.2		1.6	
						7.6	0.1	97	23.2		8.0		29.2		96.2		7.0		13.6		4		94				<0.2		1.5	
IM4	Sunny	Moderate	09:35	7.8	Surface	1.0	0.1	197	23.2	23.2	8.1	8.1	29.2	29.3	96.0	96.0	6.9	6.9	6.7	7.8	8	8	85	89	819701	804612	<0.2	<0.2	1.9	1.6
						1.0	0.1	203	23.2		8.1		29.3		96.0		6.9		6.7		7		85				<0.2		1.4	
					Middle	3.9	0.1	131	23.2	23.2	8.1	8.1	29.5	29.5	96.1	96.2	6.9		8.1		8		89				<0.2		1.5	
						3.9	0.1	142	23.2		8.1		29.5		96.2		6.9		8.1		8		89				<0.2		1.6	
					Bottom	6.8	0.0	240	23.2	23.2	8.1	8.1	29.5	29.5	96.3	96.4	7.0	7.0	8.6		10		94				<0.2		1.5	
						6.8	0.0	242	23.2		8.1		29.5		96.4		7.0		8.7		9		94				<0.2		1.4	
IM5	Sunny	Moderate	09:23	7.3	Surface	1.0	0.1	222	23.5	23.5	8.1	8.1	26.2	26.2	92.3	92.4	6.8	6.9	5.8	7.5	3	3	84	89	820721	804843	0.2	0.2	2.7	2.7
						1.0	0.1	238	23.5		8.1		26.2		92.4		6.8		5.8		4		85				<0.2		2.8	
					Middle	3.7	0.0	131	23.2	23.2	8.1	8.1	28.8	28.8	95.8	95.9	6.9		6.3		3		89				<0.2		2.8	
						3.7	0.0	133	23.2		8.1		28.9		95.9		6.9		6.5		3		89				<0.2		2.7	
					Bottom	6.3	0.1	189	23.3	23.3	8.1	8.1	29.0	29.0	96.0	96.1	6.9	6.9	10.3		3		93				<0.2		2.6	
						6.3	0.1	202	23.3		8.1		29.0		96.1		6.9		10.3		2		93				<0.2		2.8	
IM6	Sunny	Moderate	09:17	8.2	Surface	1.0	0.1	218	23.3	23.3	8.1	8.1	26.6	26.6	94.1	94.1	6.9	6.9	7.2	10.3	4	3	84	89	821037	805812	<0.2	<0.2	2.7	2.7
						1.0	0.1	225	23.3		8.1		26.6		94.1		6.9		7.3		3		85				<0.2		2.6	
					Middle	4.1	0.0	152	23.2	23.2	8.1	8.1	28.9	28.9	93.6	93.6	6.8		13.5		4		89				<0.2		2.6	
						4.1	0.0	156	23.2		8.1		29.0		93.5		6.8		13.4		3		90				<0.2		2.6	
					Bottom	7.2	0.0	45	23.3	23.3	8.1	8.1	29.0	29.0	92.6	92.5	6.7	6.7	10.2		3		93				<0.2		2.7	
						7.2	0.0	45	23.3		8.1		29.0		92.4		6.7		10.6		3		92				<0.2		2.8	
IM7	Sunny	Moderate	09:11	8.5	Surface	1.0	0.1	243	23.3	23.3	8.2	8.2	26.3	26.3	94.6	94.7	7.0	7.0	5.6	10.4	3	4	84	89	821329	806849	<0.2	<0.2	2.8	2.9
						1.0	0.1	261	23.3		8.2		26.3		94.7		7.0		5.7		4		84				<0.2		2.8	
					Middle	4.3	0.1	106	23.2	23.2	8.2	8.2	29.0	29.0	94.9	94.9	6.9		10.2		4		89				<0.2		2.9	
						4.3	0.1	113	23.2		8.2		29.0		94.9		6.9		10.2		3		89				<0.2		2.8	
					Bottom	7.5	0.2	125	23.2	23.2	8.2	8.2	29.0	29.0	95.0	95.0	6.9	6.9	15.4		4		94				<0.2		2.8	
						7.5	0.2	133	23.2		8.2		29.1		95.0		6.9		15.4		4		94				<0.2		3.1	
IM8	Fine	Moderate	09:36	7.6	Surface	1.0	0.3	129	23.7	23.7	7.9	7.9	26.6	26.6	89.9	89.9	6.5	6.6	4.0	8.0	4	4	85	88	821827	808116	<0.2	0.2	3.2	3.2
						1.0	0.3	133	23.7		7.9		26.6		89.9		6.5		4.0		3		84				<0.2		3.2	
					Middle	3.8	0.3	112	23.5	23.5	8.0	8.0	27.9	27.9	92.2	92.3	6.7		8.4		3		88				0.2		3.1	
						3.8	0.3	118	23.5		8.0		27.9		92.3		6.7		8.4		4		89				<0.2		3.2	
					Bottom	6.6	0.2	89	23.4	23.4	8.0	8.0	29.6	29.6	93.2	93.2	6.7	6.7	11.5		5		92				<0.2		2.9	
						6.6	0.2	94	23.4		8.0		29.6		93.2		6.7		11.4		4		92				<0.2		3.3	

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 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	09:42	7.3	Surface	1.0	0.2	99	23.6	23.6	7.9	7.9	26.6	26.7	90.2	90.2	6.6	6.6	4.0	8.2	2	3	84	88	822106	808806	<0.2	<0.2	3.2	3.1
						1.0	0.3	103	23.6		7.9		26.7		90.2		6.6		4.0		3		84				<0.2		3.0	
					Middle	3.7	0.3	82	23.5	23.5	7.9	7.9	27.6	27.6	91.2	91.3	6.6		6.0		4		88				<0.2		3.1	
						3.7	0.3	82	23.5		7.9		27.6		91.3		6.6		6.1		4		88				<0.2		3.2	
					Bottom	6.3	0.3	76	23.4	23.4	8.0	8.0	29.5	29.5	93.4	93.4	6.7	6.7	14.6		3		92				<0.2		2.9	
						6.3	0.4	78	23.4		8.0		29.5		93.4		6.7		14.6		4		92				<0.2		3.0	
IM10	Fine	Moderate	09:49	6.8	Surface	1.0	0.5	113	23.6	23.6	7.9	7.9	27.4	27.4	91.7	91.7	6.7	6.7	5.0	7.7	6	5	84	88	822362	809781	<0.2	<0.2	3.0	2.9
						1.0	0.5	115	23.6		7.9		27.4		91.7		6.7		5.0		6		83				<0.2		2.8	
					Middle	3.4	0.4	108	23.4	23.4	8.0	8.0	28.9	28.9	92.7	92.7	6.7		8.6		4		88				<0.2		3.0	
						3.4	0.4	110	23.4		8.0		28.9		92.7		6.7		8.6		5		89				<0.2		2.8	
					Bottom	5.8	0.2	105	23.4	23.4	8.0	8.0	29.4	29.4	93.4	93.4	6.7	6.7	9.6		4		92				<0.2		2.9	
						5.8	0.3	111	23.4		8.0		29.4		93.4		6.7		9.6		3		92				<0.2		2.9	
IM11	Fine	Moderate	09:59	8.3	Surface	1.0	0.5	110	23.6	23.6	7.9	7.9	27.5	27.5	91.7	91.7	6.6	6.6	4.8	5.6	5	4	85	88	822048	811453	<0.2	<0.2	2.6	2.5
						1.0	0.5	115	23.6		7.9		27.5		91.7		6.6		4.8		4		84				<0.2		2.5	
					Middle	4.2	0.3	101	23.5	23.5	8.0	8.0	28.5	28.5	91.7	91.7	6.6		5.5		4		88				<0.2		2.5	
						4.2	0.3	108	23.5		8.0		28.5		91.7		6.6		5.5		4		89				<0.2		2.4	
					Bottom	7.3	0.2	115	23.4	23.4	8.0	8.0	29.3	29.3	92.3	92.4	6.6	6.7	6.4		4		92				<0.2		2.3	
						7.3	0.2	123	23.4		8.0		29.3		92.4		6.7		6.5		4		92				<0.2		2.5	
IM12	Fine	Moderate	10:05	9.8	Surface	1.0	0.6	114	23.6	23.6	8.0	8.0	27.7	27.7	92.0	92.0	6.7	6.7	5.0	5.4	7	7	84	88	821460	812052	<0.2	<0.2	2.6	2.5
						1.0	0.6	118	23.6		8.0		27.7		92.0		6.7		5.0		8		84				<0.2		2.5	
					Middle	4.9	0.3	92	23.4	23.4	8.0	8.0	28.6	28.6	92.0	92.0	6.6		5.3		7		87				<0.2		2.3	
						4.9	0.3	94	23.4		8.0		28.7		92.0		6.6		5.3		7		88				<0.2		2.3	
					Bottom	8.8	0.2	96	23.4	23.4	8.0	8.0	29.5	29.5	92.2	92.2	6.6	6.6	5.9		6		91				<0.2		2.8	
						8.8	0.2	104	23.4		8.0		29.5		92.2		6.6		5.9		7		92				<0.2		2.7	
SR1A	Fine	Moderate	10:24	5.8	Surface	1.0	-	-	23.5	23.5	8.0	8.0	29.3	29.3	92.6	92.6	6.6	6.6	5.4	7.5	5	6	-	-	820072	812586	-	-	-	-
						1.0	-	-	23.5		8.0		29.3		92.6		6.6		5.4		6		-				-		-	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.9	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	-	-	23.5	23.5	8.0	8.0	29.7	29.7	93.4	93.4	6.7	6.7	9.4		7		-				-		-	
						4.8	-	-	23.5		8.0		29.7		93.4		6.7		9.6		7		-				-		-	
SR2	Fine	Moderate	10:37	5.0	Surface	1.0	0.4	124	23.5	23.5	8.0	8.0	29.7	29.7	92.1	92.1	6.6	6.6	4.0	5.1	4	5	84	86	821460	814151	<0.2	<0.2	1.8	1.9
						1.0	0.4	129	23.5		8.0		29.7		92.1		6.6		4.1		5		84				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	137	23.4	23.4	8.0	8.0	30.0	30.0	92.2	92.3	6.6	6.6	6.2		5		88				<0.2		2.0	
						4.0	0.3	149	23.4		8.0		30.0		92.3		6.6		6.2		6		88				<0.2		2.0	
SR3	Fine	Moderate	09:31	8.6	Surface	1.0	0.1	130	23.7	23.7	7.9	7.9	26.7	26.7	89.3	89.4	6.5	6.6	4.0	6.6	4	4	-	-	822130	807581	-	-	-	-
						1.0	0.2	134	23.7		7.9		26.7		89.4		6.5		4.0		4		-				-		-	
					Middle	4.3	0.2	145	23.5	23.5	7.9	7.9	27.8	27.8	90.9	90.9	6.6		6.1		3		-				-		-	
						4.3	0.2	148	23.5		7.9		27.8		90.9		6.6		6.2		4		-				-		-	
					Bottom	7.6	0.3	62	23.4	23.4	8.0	8.0	29.7	29.7	93.4	93.4	6.7	6.7	9.7		3		-				-		-	
						7.6	0.3	63	23.4		8.0		29.7		93.4		6.7		9.8		4		-				-		-	
SR4A	Sunny	Moderate	10:42	9.7	Surface	1.0	0.1	87	23.1	23.1	8.1	8.1	30.3	30.3	96.0	96.0	6.9	6.9	6.6	7.6	4	4	-	-	817170	807805	-	-	-	-
						1.0	0.1	94	23.1		8.1		30.4		96.0		6.9		6.8		5		-				-		-	
					Middle	4.9	0.1	99	23.1	23.1	8.1	8.1	30.7	30.7	96.1	96.1	6.9		7.8		4		-				-		-	
						4.9	0.1	106	23.1		8.1		30.7		96.1		6.9		7.8		4		-				-		-	
					Bottom	8.7	0.2	108	23.1	23.1	8.1	8.1	30.6	30.6	96.7	96.9	6.9	7.0	8.1		5		-				-		-	
						8.7	0.2	117	23.1		8.1		30.5		97.0		7.0		8.3		4		-				-		-	
SR5A	Sunny	Moderate	10:54	5.3	Surface	1.0	0.1	119	23.6	23.6	8.1	8.1	29.2	29.2	95.1	95.1	6.8	6.8	6.4	9.3	4	6	-	-	816586	810694	-	-	-	-
						1.0	0.1	129	23.6		8.1		29.2		95.1		6.8		6.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	105	23.5	23.5	8.1	8.1	29.3	29.3	95.4	95.5	6.9	6.9	12.2		8		-				-		-	
						4.3	0.2	112	23.5		8.1		29.3		95.6		6.9		12.2		9		-				-		-	
SR6	Sunny	Moderate	11:05	4.2	Surface	1.0	0.1	73	23.5	23.5	8.1	8.1	29.4	29.4	95.0	95.0	6.8	6.8	7.1	11.7	5	6	-	-	817886	814667	-	-	-	-
						1.0	0.1	75	23.5		8.1		29.4		95.0		6.8		7.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	119	23.4	23.5	8.1	8.1	29.4	29.4	94.7	94.7	6.8	6.8	16.1		5		-				-		-	
						3.2	0.2	125	23.5		8.1		29.4		94.7		6.8		16.3		6		-				-		-	
SR7	Fine	Moderate	11:22	14.5	Surface	1.0	0.4	82	23.6	23.6	8.0	8.0	30.5	30.5	91.7	91.7	6.5	6.5	1.9	2.2	4	3	-	-	823633	823765	-	-	-	-
						1.0	0.5	84	23.6		8.0		30.5		91.7		6.5		2.0		4		-				-		-	
					Middle	7.3	0.3	77	23.4	23.4	7.9	7.9	30.9	30.9	89.9	90.0	6.4		2.2		4		-				-		-	
						7.3	0.3	83	23.4		7.9		30.9		90.0		6.4		2.1		3		-				-		-	
					Bottom	13.5	0.1	86	23.3	23.3	7.9	7.9	31.1	31.1	89.2	89.2	6.4	6.4	2.6		2		-				-		-	
						13.5	0.1	86	23.3		7.9		31.1		89.2		6.4		2.6		2		-				-		-	
SR8	Fine	Moderate	10:15	4.6	Surface	1.0	-	-	23.6	23.6	8.0	8.0	28.4	28.4	93.7	93.7	6.8	6.8	7.1	9.6	6	6	-	-	820246	811418	-	-	-	-
						1.0	-	-	23.6		8.0		28.4		93.7		6.8		7.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	23.4	23.4	8.0	8.0	29.3	29.3	93.9	93.9	6.8	6.8	12.1		7		-				-		-	
						3.6	-	-	23.4		8.0		29.3		93.9		6.8		12.1		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	04:32	8.9	Surface	1.0	0.2	40	23.1	23.1	7.9	7.9	30.1	30.2	96.3	96.3	6.9	6.9	15.1	17.5	5	6	85	89	815636	804263	<0.2	<0.2	2.6	2.7
						1.0	0.2	41	23.1		7.9		30.3		96.2		6.9		15.1		5		85				<0.2		2.7	
					Middle	4.5	0.1	11	23.1	23.1	7.9	7.9	30.9	30.9	96.4	96.5	6.9		17.4		6		89				<0.2		2.6	
						4.5	0.1	12	23.1		7.9		30.9		96.5		6.9		17.5		6		90				<0.2		2.6	
					Bottom	7.9	0.1	36	23.1	23.1	7.9	7.9	30.8	30.8	96.7	96.8	6.9	6.9	19.9		6		92				<0.2		2.8	
						7.9	0.1	37	23.1		7.9		30.8		96.8		6.9		19.9		6		92				<0.2		2.7	
C2	Fine	Moderate	05:48	11.3	Surface	1.0	0.2	22	23.5	23.5	7.9	7.9	27.2	27.2	88.3	88.3	6.4	6.4	7.2	9.1	5	5	88	92	825670	806943	<0.2	<0.2	2.7	2.8
						1.0	0.2	21	23.5		7.9		27.2		88.3		6.4		7.2		6		87				<0.2		2.8	
					Middle	5.7	0.1	39	23.5	23.5	7.9	7.9	28.5	28.5	88.4	88.4	6.4		10.3		5		91				<0.2		2.8	
						5.7	0.1	43	23.5		7.9		28.5		88.4		6.4		10.4		4		92				<0.2		2.8	
					Bottom	10.3	0.0	19	23.5	23.5	7.9	7.9	29.2	29.2	89.6	89.6	6.4	6.5	9.8		4		96				<0.2		2.7	
						10.3	0.0	20	23.5		7.9		29.2		89.6		6.5		9.8		3		95				<0.2		2.7	
C3	Fine	Moderate	03:54	12.0	Surface	1.0	0.1	244	23.4	23.4	8.0	8.0	29.8	29.8	89.9	89.9	6.5	6.4	3.2	4.6	2	2	86	90	822095	817785	<0.2	<0.2	1.6	1.7
						1.0	0.1	259	23.4		8.0		29.8		89.9		6.5		3.2		3		86				<0.2		1.6	
					Middle	6.0	0.1	268	23.3	23.3	7.9	7.9	31.1	31.1	88.1	88.1	6.3		4.5		2		90				<0.2		1.6	
						6.0	0.1	284	23.3		7.9		31.1		88.1		6.3		4.6		<2		90				<0.2		1.7	
					Bottom	11.0	0.1	240	23.3	23.3	7.9	7.9	31.1	31.1	89.1	89.1	6.4	6.4	6.2		2		94				<0.2		2.1	
						11.0	0.1	258	23.3		7.9		31.1		89.1		6.4		6.1		3		94				<0.2		1.8	
IM1	Sunny	Moderate	04:45	4.5	Surface	1.0	0.1	323	23.2	23.2	7.9	7.9	29.2	29.3	96.2	96.2	7.0	7.0	17.3	18.0	6	6	85	89	817963	807127	<0.2	<0.2	1.5	1.6
						1.0	0.1	336	23.2		7.9		29.3		96.2		7.0		17.4		6		85				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	<0.2	-	1.6
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	313	23.2	23.2	7.9	7.9	29.4	29.4	96.3	96.3	7.0	7.0	18.7		5		93				<0.2		1.7	
						3.5	0.1	316	23.2		7.9		29.4		96.3		7.0		18.7		6		93				<0.2		1.6	
IM2	Sunny	Moderate	04:58	7.6	Surface	1.0	0.0	-	23.2	23.2	8.0	8.0	29.6	29.6	95.4	95.5	6.9	6.9	16.9	18.8	6	6	85	89	818153	806157	<0.2	<0.2	1.7	1.7
						1.0	0.0	-	23.2		8.0		29.6		95.6		6.9		16.8		5		86				<0.2		1.7	
					Middle	3.8	0.1	22	23.2	23.2	8.0	8.0	29.6	29.6	95.6	95.6	6.9		18.9		6		89				<0.2		1.6	
						3.8	0.1	23	23.2		8.0		29.6		95.6		6.9		19.3		5		89				<0.2		1.7	
					Bottom	6.6	0.1	12	23.2	23.2	8.0	8.0	29.6	29.6	95.8	95.9	6.9	6.9	20.6		6		92				<0.2		1.7	
						6.6	0.1	14	23.2		8.0		29.6		95.9		6.9		20.5		5		92				<0.2		1.6	
IM3	Sunny	Moderate	05:06	8.2	Surface	1.0	0.1	18	23.2	23.2	7.9	7.9	29.5	29.6	95.5	95.5	6.9	6.9	10.6	14.6	5	6	86	90	818766	805614	<0.2	<0.2	1.6	1.8
						1.0	0.1	14	23.2		7.9		29.6		95.4		6.9		10.8		5		86				<0.2		1.8	
					Middle	4.1	0.1	2	23.2	23.2	7.9	7.9	29.6	29.6	95.3	95.3	6.9		13.9		6		90				<0.2		1.8	
						4.1	0.1	2	23.2		7.9		29.6		95.3		6.9		13.7		7		89				<0.2		1.8	
					Bottom	7.2	0.1	22	23.2	23.2	7.9	7.9	29.6	29.6	95.3	95.4	6.9	6.9	19.1		6		93				<0.2		1.8	
						7.2	0.1	25	23.2		7.9		29.6		95.4		6.9		19.2		7		93				<0.2		1.8	
IM4	Sunny	Moderate	05:15	8.5	Surface	1.0	0.1	58	23.2	23.2	7.9	7.9	29.6	29.6	95.2	95.2	6.9	6.9	11.0	15.3	7	7	86	89	819714	804622	<0.2	<0.2	1.8	1.8
						1.0	0.1	59	23.2		7.9		29.6		95.2		6.9		11.0		7		86				<0.2		1.7	
					Middle	4.3	0.1	39	23.2	23.2	7.9	7.9	29.6	29.6	95.1	95.1	6.9		14.7		7		89				<0.2		1.8	
						4.3	0.1	41	23.2		7.9		29.6		95.1		6.9		14.7		6		89				<0.2		1.8	
					Bottom	7.5	0.0	11	23.2	23.2	7.9	7.9	29.6	29.6	95.3	95.3	6.9	6.9	20.3		7		93				<0.2		1.8	
						7.5	0.0	12	23.2		7.9		29.6		95.3		6.9		20.3		6		93				<0.2		1.8	
IM5	Sunny	Moderate	05:23	7.3	Surface	1.0	0.3	20	23.2	23.2	7.9	7.9	29.6	29.6	95.3	95.3	6.9	6.9	13.2	17.5	6	6	89	87	820720	804874	<0.2	<0.2	2.9	2.4
						1.0	0.4	22	23.2		7.9		29.6		95.3		6.9		13.4		6		89				<0.2		2.9	
					Middle	3.7	0.3	30	23.2	23.2	7.9	7.9	29.6	29.6	95.2	95.2	6.9		17.9		6		84				<0.2		2.2	
						3.7	0.3	31	23.2		7.9		29.6		95.2		6.9		18.1		5		84				<0.2		2.2	
					Bottom	6.3	0.3	34	23.2	23.2	7.9	7.9	29.6	29.6	95.2	95.2	6.9	6.9	21.2		5		89				<0.2		2.0	
						6.3	0.3	37	23.2		7.9		29.6		95.2		6.9		21.2		6		89				<0.2		2.1	
IM6	Sunny	Moderate	05:33	7.5	Surface	1.0	0.2	34	23.2	23.2	7.9	7.9	29.6	29.6	95.2	95.2	6.9	6.9	12.5	16.5	4	4	84	89	821076	805841	<0.2	<0.2	3.0	3.0
						1.0	0.2	34	23.2		7.9		29.6		95.2		6.9		12.4		4		85				<0.2		2.9	
					Middle	3.8	0.1	62	23.2	23.2	7.9	7.9	29.6	29.6	95.1	95.1	6.9		16.2		4		90				<0.2		3.0	
						3.8	0.1	65	23.2		7.9		29.6		95.1		6.9		16.3		4		90				<0.2		3.2	
					Bottom	6.5	0.2	38	23.2	23.2	7.9	7.9	29.6	29.6	95.1	95.1	6.9	6.9	20.8		5		93				<0.2		3.0	
						6.5	0.2	41	23.2		7.9		29.6		95.1		6.9		20.7		5		93				<0.2		3.1	
IM7	Sunny	Moderate	05:43	8.3	Surface	1.0	0.1	31	23.2	23.2	7.8	7.8	29.6	29.6	95.3	95.3	6.9	6.9	11.3	15.5	4	5	86	89	821357	806832	<0.2	<0.2	3.1	3.3
						1.0	0.1	32	23.2		7.8		29.6		95.2		6.9		11.6		5		86				<0.2		3.1	
					Middle	4.2	0.2	51	23.2	23.2	7.9	7.9	29.6	29.6	95.1	95.1	6.9		15.1		6		89				<0.2		3.2	
						4.2	0.2	53	23.2		7.9		29.6		95.1		6.9		15.3		4		89				<0.2		3.2	
					Bottom	7.3	0.2	49	23.2	23.2	7.9	7.9	29.6	29.6	95.2	95.3	6.9	6.9	19.7		6		92				<0.2		3.3	
						7.3	0.2	49	23.2		7.9		29.6		95.3		6.9		19.9		5		92				<0.2		3.6	
IM8	Fine	Moderate	05:22	7.8	Surface	1.0	0.1	307	23.5	23.5	7.9	7.9	26.2	26.2	89.4	89.4	6.5	6.6	3.9	6.0	4	5	86	91	821852	808124	<0.2	<0.2	3.4	3.4
						1.0	0.2	315	23.5		7.9		26.2		89.4		6.5		3.9		5		87				<0.2		3.4	
					Middle	3.9	0.3	285	23.5	23.5	7.9	7.9	27.7	27.7	91.7	91.7	6.7		6.2		5		92				<0.2		3.5	3.4
						3.9	0.3	287	23.5		7.9		27.7		91.7		6.7		6.2		4		91				<0.2		3.5	
					Bottom	6.8	0.2	271	23.5	23.5	8.0	8.0	29.6	29.6	93.3	93.3	6.7	6.7	7.9		6		95				<0.2		3.5	
						6.8	0.2	274	23.5		8.0		29.6		93.3		6.7		7.9		6		96				<0.2		3.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 04 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	05:15	7.6	Surface	1.0	0.2	296	23.5	23.5	7.9	7.9	26.6	26.6	90.4	90.4	6.6	6.6	4.2	7.9	5	6	88	91	822083	808807	<0.2	<0.2	3.0	3.2
						1.0	0.2	304	23.5		7.9		26.6		90.4		6.6		4.2		5		87				<0.2		3.4	
					Middle	3.8	0.3	289	23.5	23.5	7.9	7.9	27.5	27.5	91.3	91.3	6.6		6.6		6		91				<0.2		3.4	
						3.8	0.3	289	23.5		7.9		27.5		91.3		6.6		6.6		6		90				<0.2		3.3	
					Bottom	6.6	0.3	296	23.4	23.4	8.0	8.0	29.5	29.5	93.2	93.2	6.7	6.7	12.9		6		95				<0.2		3.1	
						6.6	0.3	296	23.4		8.0		29.5		93.2		6.7		12.9		5		95				<0.2		3.1	
IM10	Fine	Moderate	05:07	8.1	Surface	1.0	0.3	289	23.5	23.5	7.9	7.9	26.6	26.6	90.9	90.9	6.6	6.6	4.4	5.8	5	5	87	91	822377	809801	<0.2	<0.2	3.0	3.1
						1.0	0.3	291	23.5		7.9		26.6		90.9		6.6		4.5		6		88				<0.2		3.0	
					Middle	4.1	0.2	272	23.5	23.5	8.0	8.0	28.0	28.0	91.3	91.4	6.6		6.6		5		91				<0.2		3.3	
						4.1	0.2	276	23.5		8.0		28.0		91.4		6.6		6.7		5		91				<0.2		3.0	
					Bottom	7.1	0.1	323	23.5	23.5	8.0	8.0	29.3	29.3	92.2	92.3	6.6	6.6	6.1		5		95				<0.2		3.2	
						7.1	0.1	333	23.5		8.0		29.3		92.3		6.6		6.2		5		95				<0.2		3.3	
IM11	Fine	Moderate	04:55	7.8	Surface	1.0	0.1	339	23.4	23.4	8.0	8.0	29.5	29.5	92.1	92.1	6.6	6.6	7.3	7.4	8	9	87	91	822078	811440	<0.2	<0.2	2.5	2.5
						1.0	0.1	312	23.4		8.0		29.5		92.1		6.6		7.3		8		88				<0.2		2.3	
					Middle	3.9	0.1	356	23.4	23.4	8.0	8.0	29.5	29.5	92.1	92.1	6.6		7.0		9		91				<0.2		2.5	
						3.9	0.1	328	23.4		8.0		29.5		92.1		6.6		7.0		10		91				<0.2		2.8	
					Bottom	6.8	0.1	26	23.4	23.4	8.0	8.0	29.5	29.5	92.7	92.8	6.7	6.7	7.9		10		95				<0.2		2.4	
						6.8	0.1	27	23.4		8.0		29.5		92.8		6.7		7.9		9		94				<0.2		2.7	
IM12	Fine	Moderate	04:49	8.9	Surface	1.0	0.2	253	23.4	23.4	8.0	8.0	29.5	29.5	91.9	91.9	6.6	6.6	5.5	6.8	6	7	87	91	821455	812033	<0.2	<0.2	2.4	2.4
						1.0	0.2	277	23.4		8.0		29.5		91.9		6.6		5.6		7		87				<0.2		2.5	
					Middle	4.5	0.2	249	23.4	23.4	8.0	8.0	29.6	29.6	91.9	91.9	6.6		7.2		7		92				<0.2		2.2	
						4.5	0.2	257	23.4		8.0		29.6		91.9		6.6		7.3		7		91				<0.2		2.3	
					Bottom	7.9	0.1	227	23.4	23.4	8.0	8.0	29.6	29.6	92.8	92.9	6.7	6.7	7.7		6		96				<0.2		2.5	
						7.9	0.2	237	23.4		8.0		29.6		92.9		6.7		7.7		6		95				<0.2		2.2	
SR1A	Fine	Moderate	04:30	5.6	Surface	1.0	-	-	23.5	23.5	8.0	8.0	29.4	29.4	92.1	92.1	6.6	6.6	3.3	3.9	4	4	-	-	820069	812586	-	-	-	-
						1.0	-	-	23.5		8.0		29.4		92.1		6.6		3.3		4		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	23.5	23.5	8.0	8.0	29.7	29.7	92.5	92.5	6.6	6.6	4.5		4		-				-		-	
						4.6	-	-	23.5		8.0		29.7		92.5		6.6		4.4		4		-				-		-	
SR2	Fine	Moderate	04:17	4.8	Surface	1.0	0.3	338	23.4	23.4	8.0	8.0	29.5	29.5	92.3	92.3	6.6	6.6	4.1	5.0	7	7	87	89	821457	814156	<0.2	<0.2	2.4	2.2
						1.0	0.3	348	23.4		8.0		29.5		92.3		6.6		4.1		6		87				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	335	23.4	23.4	8.0	8.0	29.7	29.7	92.7	92.7	6.7	6.7	5.8		7		91				<0.2		2.0	
						3.8	0.3	352	23.4		8.0		29.7		92.7		6.7		5.8		6		91				<0.2		2.1	
SR3	Fine	Moderate	05:27	8.2	Surface	1.0	0.2	15	23.6	23.6	7.9	7.9	26.5	26.5	89.1	89.1	6.5	6.6	4.6	6.1	6	6	-	-	822166	807591	-	-	-	-
						1.0	0.2	16	23.6		7.9		26.5		89.1		6.5		4.6		7		-				-		-	
					Middle	4.1	0.3	45	23.5	23.5	7.9	7.9	28.0	28.0	90.9	90.9	6.6		6.4		6		-				-		-	
						4.1	0.3	45	23.5		7.9		28.0		90.9		6.6		6.4		6		-				-		-	
					Bottom	7.2	0.3	57	23.4	23.4	8.0	8.0	29.6	29.6	92.9	92.9	6.7	6.7	7.3		6		-				-		-	
						7.2	0.3	58	23.4		8.0		29.6		92.9		6.7		7.3		6		-				-		-	
SR4A	Sunny	Moderate	04:20	9.6	Surface	1.0	0.1	261	23.3	23.3	7.9	7.9	29.5	29.5	95.5	95.5	6.9	6.9	12.7	14.7	8	9	-	-	817212	807814	-	-	-	-
						1.0	0.1	244	23.3		7.9		29.5		95.5		6.9		12.7		7		-				-		-	
					Middle	4.8	0.1	204	23.3	23.3	7.9	7.9	29.5	29.5	95.3	95.3	6.9		15.2		10		-				-		-	
						4.8	0.1	209	23.3		7.9		29.5		95.3		6.9		15.2		9		-				-		-	
					Bottom	8.6	0.1	203	23.3	23.3	7.9	7.9	29.5	29.5	95.4	95.4	6.9	6.9	16.1		10		-				-		-	
						8.6	0.1	211	23.3		7.9		29.5		95.4		6.9		16.1		11		-				-		-	
SR5A	Sunny	Moderate	04:12	5.3	Surface	1.0	0.3	299	23.3	23.3	7.9	7.9	29.5	29.5	95.6	95.7	6.9	6.9	13.5	13.9	6	7	-	-	816609	810686	-	-	-	-
						1.0	0.3	305	23.3		7.9		29.5		95.7		6.9		13.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	309	23.3	23.3	7.8	7.8	29.5	29.5	95.8	95.9	6.9	6.9	14.2		8		-				-		-	
						4.3	0.2	310	23.3		7.8		29.5		96.0		6.9		14.2		7		-				-		-	
SR6	Sunny	Moderate	03:21	4.6	Surface	1.0	0.1	246	23.4	23.4	7.8	7.8	28.9	28.9	93.3	93.4	6.7	6.7	18.1	18.0	8	9	-	-	817894	814643	-	-	-	-
						1.0	0.1	246	23.4		7.8		28.9		93.4		6.7		18.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	250	23.4	23.4	7.8	7.8	28.9	28.9	93.7	93.9	6.8	6.8	17.9		10		-				-		-	
						3.6	0.1	262	23.4		7.8		28.9		94.0		6.8		18.0		9		-				-		-	
SR7	Fine	Moderate	03:25	14.8	Surface	1.0	0.1	293	23.3	23.3	8.0	8.0	30.8	30.8	88.4	88.4	6.3	6.3	3.1	4.4	7	7	-	-	823655	823756	-	-	-	-
						1.0	0.1	293	23.3		8.0		30.8		88.4		6.3		3.2		6		-				-		-	
					Middle	7.4	0.1	287	23.3	23.3	8.0	8.0	31.1	31.1	87.7	87.7	6.3		4.4		7		-				-		-	
						7.4	0.1	267	23.3		8.0		31.1		87.7		6.3		4.4		7		-				-		-	
					Bottom	13.8	0.2	263	23.3	23.3	8.0	8.0	31.5	31.5	87.3	87.3	6.2	6.2	5.6		7		-				-		-	
						13.8	0.2	285	23.3		8.0		31.5		87.3		6.2		5.6		6		-				-		-	
SR8	Fine	Moderate	04:39	4.4	Surface	1.0	-	-	23.4	23.4	8.0	8.0	29.3	29.3	92.4	92.4	6.6	6.6	5.7	5.8	9	10	-	-	820506	811670	-	-	-	-
						1.0	-	-	23.4		8.0		29.3		92.4		6.6		5.7		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	23.4	23.4	8.0	8.0	29.6	29.6	93.0	93.1	6.7	6.7	5.9		10		-				-		-	
						3.4	-	-	23.4		8.0		29.6		93.1		6.7		5.8		10		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (℃)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
C1	Cloudy	Moderate	11:48	8.8	Surface	1.0	0.2	221	23.5	23.5	7.9	7.9	31.3	31.3	100.2	100.3	7.1	7.1	12.1	14.6	6	8	89	93	815628	804238	<0.2	<0.2	<0.2	1.0	1.0
						1.0	0.2	233	23.5		7.9		31.3		100.3		7.1		12.2		7		90				<0.2			1.0	
					Middle	4.4	0.1	231	23.3	23.3	7.9	7.9	32.7	32.7	98.7	98.7	7.0		15.5		7		93				<0.2	<0.2		1.1	
						4.4	0.1	241	23.3		7.9		32.7		98.7		7.0		15.5		7		93				<0.2			1.0	
					Bottom	7.8	0.2	226	23.3	23.3	7.9	7.9	32.9	32.9	98.5	98.5	7.0	7.0	16.1		9		95				<0.2	<0.2		1.1	
						7.8	0.2	244	23.3		7.9		32.9		98.4		7.0		16.1		9		96				<0.2			1.0	
C2	Cloudy	Moderate	10:51	11.6	Surface	1.0	0.2	1	23.7	23.7	8.0	8.0	27.3	27.3	90.0	90.0	6.5	6.5	9.0	13.0	6	6	84	87	825678	806959	<0.2	<0.2	<0.2	1.9	1.9
						1.0	0.2	1	23.7		8.0		27.3		90.0		6.5		8.9		7		83				<0.2			1.9	
					Middle	5.8	0.2	26	23.5	23.5	8.0	8.0	27.5	27.5	90.0	90.1	6.5		10.3		6		88				<0.2	<0.2		1.9	
						5.8	0.2	26	23.5		8.0		27.5		90.1		6.5		10.3		6		87				<0.2			1.9	
					Bottom	10.6	0.1	25	23.5	23.5	8.1	8.1	28.2	28.2	91.1	91.1	6.6	6.6	20.8		6		91				<0.2	<0.2		1.9	
						10.6	0.1	27	23.5		8.1		28.2		91.1		6.6		18.8		6		91				<0.2			2.0	
C3	Cloudy	Moderate	12:35	11.5	Surface	1.0	0.5	90	23.8	23.8	8.1	8.1	29.5	29.5	95.0	95.0	6.8	6.7	6.2	6.8	3	3	88	91	822089	817823	<0.2	<0.2	<0.2	1.5	1.6
						1.0	0.5	90	23.8		8.1		29.5		94.9		6.8		6.2		2		87				<0.2			1.6	
					Middle	5.8	0.3	109	23.6	23.6	8.1	8.1	30.0	30.0	91.1	91.1	6.5		6.8		3		91				<0.2	<0.2		1.5	
						5.8	0.3	117	23.6		8.1		30.0		91.0		6.5		6.8		3		92				<0.2			1.6	
					Bottom	10.5	0.2	111	23.3	23.3	8.1	8.1	31.0	31.0	89.4	89.5	6.4	6.4	7.5		4		95				<0.2	<0.2		1.6	
						10.5	0.2	112	23.3		8.1		31.0		89.6		6.4		7.5		4		95				<0.2			1.5	
IM1	Cloudy	Moderate	11:30	5.4	Surface	1.0	0.2	207	23.4	23.4	7.9	7.9	31.3	31.3	97.3	97.3	6.9	6.9	11.4	12.8	6	7	88	90	817962	807122	<0.2	<0.2	<0.2	1.0	1.0
						1.0	0.2	216	23.4		7.9		31.3		97.3		6.9		11.4		6		88				<0.2			0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.4	0.2	227	23.3	23.3	7.9	7.9	31.6	31.6	96.8	96.8	6.9	6.9	14.0		7		92				<0.2	<0.2		1.1	
						4.4	0.2	243	23.3		7.9		31.6		96.8		6.9		14.2		7		93				<0.2			1.0	
IM2	Cloudy	Moderate	11:24	7.7	Surface	1.0	0.1	249	23.4	23.4	7.9	7.9	31.4	31.4	98.6	98.6	7.0	7.0	11.1	13.9	7	8	89	92	818160	806185	<0.2	<0.2	<0.2	1.1	1.0
						1.0	0.1	249	23.4		7.9		31.4		98.6		7.0		11.2		7		89				<0.2			1.0	
					Middle	3.9	0.0	35	23.4	23.4	7.9	7.9	31.6	31.6	97.9	98.0	7.0		12.6		7		92				<0.2	<0.2		1.1	
						3.9	0.0	38	23.4		7.9		31.6		98.0		7.0		12.6		7		93				<0.2			1.0	
					Bottom	6.7	0.1	133	23.3	23.3	7.9	7.9	32.1	32.1	97.7	97.8	6.9	6.9	17.7		9		95				<0.2	<0.2		1.0	
						6.7	0.1	144	23.3		7.9		32.1		97.8		6.9		17.9		8		95				<0.2			1.0	
IM3	Cloudy	Moderate	11:18	7.8	Surface	1.0	0.1	64	23.4	23.4	7.9	7.9	31.6	31.6	99.1	99.0	7.0	7.0	11.5	13.7	7	7	88	92	818788	805616	<0.2	<0.2	<0.2	1.6	1.5
						1.0	0.1	65	23.4		7.9		31.6		98.9		7.0		11.6		7		89				<0.2			1.5	
					Middle	3.9	0.0	161	23.3	23.3	7.9	7.9	32.0	32.0	97.5	97.5	6.9		13.9		6		92				<0.2	<0.2		1.5	
						3.9	0.0	175	23.3		7.9		32.0		97.5		6.9		13.9		6		92				<0.2			1.5	
					Bottom	6.8	0.1	154	23.3	23.3	7.9	7.9	32.2	32.2	97.3	97.4	6.9	6.9	15.5		7		94				<0.2	<0.2		1.4	
						6.8	0.1	160	23.3		7.9		32.2		97.5		6.9		15.6		7		94				<0.2			1.4	
IM4	Cloudy	Moderate	11:09	8.0	Surface	1.0	0.1	47	23.4	23.4	7.9	7.9	30.9	30.9	98.9	98.9	7.1	7.0	12.7	15.5	5	6	89	91	819709	804617	<0.2	<0.2	<0.2	1.4	1.3
						1.0	0.2	48	23.4		7.9		30.9		98.8		7.0		13.0		5		88				<0.2			1.5	
					Middle	4.0	0.1	139	23.3	23.3	7.9	7.9	31.7	31.7	97.3	97.3	6.9		16.4		6		91				<0.2	<0.2		1.4	
						4.0	0.1	143	23.3		7.9		31.7		97.3		6.9		16.6		6		91				<0.2			1.1	
					Bottom	7.0	0.1	238	23.3	23.3	7.9	7.9	31.9	31.9	97.4	97.4	6.9	6.9	17.0		8		94				<0.2	<0.2		1.2	
						7.0	0.1	261	23.3		7.9		31.9		97.3		6.9		17.2		8		94				<0.2			1.2	
IM5	Cloudy	Moderate	11:00	7.4	Surface	1.0	0.2	26	23.4	23.4	7.9	7.9	31.6	31.6	98.3	98.3	7.0	7.0	15.4	17.9	7	8	91	93	820755	804873	<0.2	<0.2	<0.2	1.5	1.4
						1.0	0.2	26	23.4		7.9		31.6		98.2		7.0		15.6		8		91				<0.2			1.4	
					Middle	3.7	0.1	30	23.3	23.3	7.9	7.9	31.7	31.7	97.4	97.4	6.9		18.6		7		93				<0.2	<0.2		1.4	
						3.7	0.1	32	23.3		7.9		31.7		97.4		6.9		18.6		8		93				<0.2			1.4	
					Bottom	6.4	0.1	39	23.3	23.3	7.9	7.9	31.7	31.7	97.6	97.6	6.9	6.9	19.5		7		95				<0.2	<0.2		1.4	
						6.4	0.1	42	23.3		7.9		31.7		97.6		6.9		19.4		8		95				<0.2			1.4	
IM6	Cloudy	Moderate	10:54	7.2	Surface	1.0	0.1	27	23.5	23.5	7.8	7.8	30.1	30.1	96.9	96.9	6.9	6.9	13.4	16.6	9	9	88	92	821036	805812	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.1	29	23.5		7.8		30.1		96.9		6.9		13.4		10		88				<0.2			1.7	
					Middle	3.6	0.1	162	23.3	23.3	7.9	7.9	31.2	31.2	96.6	96.6	6.9		16.5		8		92				<0.2	<0.2		1.9	
						3.6	0.2	165	23.3		7.9		31.2		96.5		6.9		16.7		8		93				<0.2			1.8	
					Bottom	6.2	0.1	114	23.3	23.3	7.9	7.9	31.2	31.2	97.1	97.1	6.9	6.9	19.7		8		95				<0.2	<0.2		1.8	
						6.2	0.1	124	23.3		7.9		31.2		97.0		6.9		19.7		8		95				<0.2			1.7	
IM7	Cloudy	Moderate	10:48	7.4	Surface	1.0	0.0	329	23.6	23.6	7.8	7.8	28.9	28.9	94.3	94.5	6.8	6.9	13.4	15.8	6	8	88	91	821353	806850	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.0	337	23.6		7.8		28.9		94.6		6.8		13.8		6		88				<0.2			1.7	
					Middle	3.7	0.2	59	23.5	23.5	7.8	7.8	30.2	30.2	96.1	96.1	6.9		17.2		8		92				<0.2	<0.2		1.8	
						3.7	0.2	59	23.5		7.8		30.2		96.1		6.9		17.2		8		92				<0.2			1.7	
					Bottom	6.4	0.2	75	23.4	23.4	7.9	7.9	30.8	30.8	96.3	96.3	6.9	6.9	16.5		9		94				<0.2	<0.2		1.7	
						6.4	0.2	78	23.4		7.9		30.8		96.2		6.9		16.5		9		94				<0.2			1.8	
IM8	Cloudy	Moderate	11:16	7.9	Surface	1.0	0.1	93	23.7	23.7	8.1	8.1	28.0	28.0	94.0	94.0	6.8	6.8	8.4	10.5	6	6	88	92	821845	808130	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.1	97	23.7		8.1		28.0		94.0		6.8		8.5		6		88				<0.2			1.8	
					Middle	4.0	0.3	87	23.4	23.4	8.2	8.2	29.3	29.3	95.0	95.0	6.8		9.8		6		92				<0.2	<0.2		1.8	
						4.0	0.3	89	23.4		8.2		29.4		95.0		6.8		9.9		6		92				<0.2			1.8	
					Bottom	6.9	0.3	92	23.3	23.3	8.2	8.2	29.9	29.9	95.0	95.0	6.8	6.8	13.3		5		96				<0.2	<0.2		1.9	
						6.9	0.4	92	23.3		8.2		29.9		95.0		6.8		13.0		5		95				<0.2			1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (℃)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
IM9	Cloudy	Moderate	11:22	7.4	Surface	1.0	0.2	72	23.5	23.5	8.1	8.1	28.2	28.2	93.5	93.5	6.8	6.8	9.4	10.8	7	7	89	92	822109	808800	<0.2	<0.2	<0.2	1.7	1.8
						1.0	0.3	74	23.5		8.1		28.2		93.5		6.8		9.4		7		88				<0.2			1.8	
					Middle	3.7	0.3	85	23.4	23.4	8.1	8.1	28.7	28.7	93.6	93.6	6.8		9.8		7		92				<0.2	<0.2		1.8	
						3.7	0.3	87	23.4		8.1		28.7		93.6		6.8		9.8		7		92				<0.2			1.7	
					Bottom	6.4	0.3	81	23.3	23.3	8.2	8.2	29.8	29.8	94.6	94.6	6.8	6.8	13.4		6		96				<0.2	<0.2		1.8	
						6.4	0.3	87	23.3		8.2		29.8		94.6		6.8		13.3		7		96				<0.2			1.7	
IM10	Cloudy	Moderate	11:29	8.0	Surface	1.0	0.3	104	23.5	23.5	8.1	8.1	28.8	28.8	92.7	92.7	6.7	6.7	9.6	9.4	6	7	88	92	822401	809772	<0.2	<0.2	<0.2	1.7	1.7
						1.0	0.3	110	23.5		8.1		28.8		92.7		6.7		9.6		7		88				<0.2			1.6	
					Middle	4.0	0.2	97	23.5	23.5	8.1	8.1	28.9	28.9	92.6	92.6	6.7		9.7		7		91				<0.2	<0.2		1.7	
						4.0	0.2	100	23.5		8.1		28.9		92.6		6.7		9.7		8		92				<0.2			1.7	
					Bottom	7.0	0.2	113	23.5	23.5	8.1	8.1	29.2	29.2	92.9	93.0	6.7	6.7	8.9		7		95				<0.2	<0.2		1.7	
						7.0	0.2	118	23.5		8.1		29.2		93.0		6.7		9.1		6		96				<0.2			1.7	
IM11	Cloudy	Moderate	11:39	8.0	Surface	1.0	0.1	86	23.5	23.5	8.1	8.1	29.4	29.4	93.9	93.9	6.7	6.7	7.9	8.5	4	5	88	92	822034	811456	<0.2	<0.2	<0.2	1.6	1.7
						1.0	0.1	88	23.5		8.1		29.4		93.9		6.7		7.9		4		88				<0.2			1.8	
					Middle	4.0	0.1	103	23.5	23.5	8.1	8.1	29.4	29.4	93.2	93.2	6.7		8.6		5		92				<0.2	<0.2		1.7	
						4.0	0.1	109	23.5		8.1		29.4		93.2		6.7		8.5		5		92				<0.2			1.8	
					Bottom	7.0	0.1	101	23.5	23.5	8.1	8.1	29.4	29.4	93.4	93.5	6.7	6.7	9.1		5		96				<0.2	<0.2		1.7	
						7.0	0.1	106	23.5		8.1		29.4		93.5		6.7		9.1		6		96				<0.2			1.8	
IM12	Cloudy	Moderate	11:46	8.8	Surface	1.0	0.2	97	23.5	23.5	8.1	8.1	29.4	29.4	92.5	92.5	6.6	6.6	8.0	7.9	4	5	88	92	821473	812053	<0.2	<0.2	<0.2	1.7	1.6
						1.0	0.2	100	23.5		8.1		29.4		92.5		6.6		8.0		4		88				<0.2			1.6	
					Middle	4.4	0.1	112	23.5	23.5	8.1	8.1	29.4	29.4	92.5	92.5	6.6		7.9		4		92				<0.2	<0.2		1.6	
						4.4	0.2	117	23.5		8.1		29.4		92.5		6.6		7.9		5		92				<0.2			1.6	
					Bottom	7.8	0.2	102	23.5	23.5	8.1	8.1	29.4	29.4	92.9	93.0	6.7	6.7	7.9		6		96				<0.2	<0.2		1.6	
						7.8	0.2	106	23.5		8.1		29.4		93.0		6.7		7.9		5		96				<0.2			1.7	
SR1A	Cloudy	Moderate	12:05	5.7	Surface	1.0	-	-	23.6	23.6	8.1	8.1	29.1	29.1	93.7	93.7	6.7	6.7	7.8	9.4	4	5	-	-	820071	812591	-	-	-	-	-
						1.0	-	-	23.6		8.1		29.1		93.7		6.7		7.9		5		-				-			-	
					Middle	2.9	-	-	-	-	-	-	-	-	-	-	-				-		-				-	-		-	
						2.9	-	-	-		-		-		-		-				-		-				-			-	
					Bottom	4.7	-	-	23.5	23.5	8.1	8.1	29.4	29.4	90.9	91.0	6.5	6.5	10.8		5		-				-	-		-	
						4.7	-	-	23.5		8.1		29.4		91.1		6.5		11.0		4		-				-			-	
SR2	Cloudy	Moderate	12:16	4.4	Surface	1.0	0.3	91	23.5	23.5	8.1	8.1	29.4	29.4	92.9	92.8	6.7	6.7	7.3	7.8	3	3	88	90	821459	814164	<0.2	<0.2	<0.2	1.8	1.8
						1.0	0.3	99	23.5		8.1		29.4		92.7		6.7		7.4		3		88				<0.2			1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.4	0.3	83	23.5	23.5	8.1	8.1	29.5	29.5	91.6	91.6	6.6	6.6	8.3		4		92				<0.2	<0.2		1.8	
						3.4	0.3	89	23.5		8.1		29.5		91.6		6.6		8.3		3		92				<0.2			1.9	
SR3	Cloudy	Moderate	11:11	8.8	Surface	1.0	0.4	90	23.5	23.5	8.1	8.1	28.0	28.0	92.0	92.1	6.7	6.8	10.4	12.3	8	8	-	-	822143	807551	-	-	-	-	-
						1.0	0.4	92	23.5		8.1		28.0		92.1		6.7		10.5		7		-				-			-	
					Middle	4.4	0.4	58	23.4	23.4	8.1	8.1	29.3	29.3	94.7	94.7	6.8		10.4		9		-				-	-		-	
						4.4	0.4	62	23.4		8.2		29.3		94.7		6.8		10.5		9		-				-			-	
					Bottom	7.8	0.3	50	23.3	23.3	8.2	8.2	29.6	29.6	95.0	95.0	6.8	6.8	15.9		8		-				-	-		-	
						7.8	0.4	54	23.3		8.2		29.6		95.0		6.8		16.2		8		-				-			-	
SR4A	Cloudy	Calm	12:08	8.6	Surface	1.0	0.3	98	23.3	23.3	7.9	7.9	31.3	31.3	97.1	97.1	6.9	6.9	12.1	13.3	7	7	-	-	817170	807832	-	-	-	-	-
						1.0	0.3	99	23.3		7.9		31.3		97.0		6.9		12.1		7		-				-			-	
					Middle	4.3	0.2	99	23.3	23.3	7.9	7.9	31.4	31.4	96.4	96.4	6.9		13.1		7		-				-	-		-	
						4.3	0.3	107	23.3		7.9		31.4		96.3		6.9		13.2		7		-				-			-	
					Bottom	7.6	0.2	71	23.3	23.3	7.9	7.9	31.5	31.5	96.5	96.5	6.9	6.9	14.6		7		-				-	-		-	
						7.6	0.2	73	23.3		7.9		31.5		96.4		6.9		14.4		8		-				-			-	
SR5A	Cloudy	Calm	12:22	5.1	Surface	1.0	0.1	332	23.8	23.8	7.8	7.8	29.9	29.9	95.6	95.6	6.8	6.8	9.8	10.3	4	6	-	-	816601	810679	-	-	-	-	-
						1.0	0.1	354	23.8		7.8		29.9		95.6		6.8		9.7		5		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.1	0.1	105	23.6	23.6	7.9	7.9	30.3	30.3	96.5	96.5	6.9	6.9	10.9		6		-				-	-		-	
						4.1	0.1	109	23.6		7.9		30.3		96.5		6.9		10.9		7		-				-			-	
SR6	Cloudy	Calm	12:50	4.5	Surface	1.0	0.1	44	23.7	23.7	7.8	7.8	29.8	29.8	94.4	94.4	6.7	6.7	10.2	10.5	7	7	-	-	817887	814668	-	-	-	-	-
						1.0	0.1	44	23.7		7.8		29.8		94.4		6.7		10.2		7		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.5	0.1	65	23.6	23.6	7.9	7.9	29.9	29.9	96.3	96.3	6.9	6.9	10.7		6		-				-	-		-	
						3.5	0.1	66	23.6		7.9		29.9		96.3		6.9		10.7		6		-				-			-	
SR7	Cloudy	Moderate	13:01	14.7	Surface	1.0	0.5	88	23.4	23.4	8.1	8.1	30.7	30.7	89.5	89.5	6.4	6.4	6.2	6.8	2	3	-	-	823638	823733	-	-	-	-	-
						1.0	0.5	90	23.4		8.1		30.7		89.4		6.4		6.3		3		-				-			-	
					Middle	7.4	0.3	70	23.3	23.3	8.1	8.1	31.1	31.1	88.5	88.5	6.3		7.2		3		-				-	-		-	
						7.4	0.3	75	23.3		8.1		31.1		88.5		6.3		7.2		4		-				-			-	
					Bottom	13.7	0.1	84	23.3	23.3	8.1	8.1	31.1	31.1	88.7	88.7	6.3	6.3	7.1		4		-				-	-		-	
						13.7	0.1	89	23.3		8.1		31.1		88.7		6.3		7.1		4		-				-			-	
SR8	Cloudy	Moderate	11:56	4.5	Surface	1.0	-	-	23.6	23.6	8.2	8.2	28.9	28.9	94.4	94.4	6.8	6.8	12.4	13.9	12	12	-	-	820246	811418	-	-	-	-	-
						1.0	-	-	23.6		8.2		28.9		94.3		6.8		12.4		13		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.5	-	-	23.5	23.5	8.2	8.2	29.2	29.2	93.6	93.6	6.7	6.7	15.4		12		-				-	-		-	
						3.5	-	-	23.5		8.2		29.2		93.6		6.7		15.3		11		-				-			-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 December 18 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 (℃)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
C1	Cloudy	Moderate	06:29	8.2	Surface	1.0	0.4	32	23.3	23.3	7.9	7.9	31.2	31.2	98.1	98.2	7.0	7.0	13.2	18.0	7	8	88	92	815612	804270	<0.2	<0.2	<0.2	1.2	1.2
						1.0	0.4	34	23.3		7.9		31.2		98.3		7.0		13.2		8		89				<0.2			1.2	
					Middle	4.1	0.5	26	23.3	23.3	7.9	7.9	32.5	32.5	97.9	97.9	6.9		17.6		8		93				<0.2	<0.2		1.2	
						4.1	0.5	26	23.3		7.9		32.5		97.9		6.9		17.6		7		94				<0.2			1.3	
					Bottom	7.2	0.4	28	23.3	23.3	7.9	7.9	32.7	32.7	97.6	97.6	6.9	6.9	23.1		9		95				<0.2	<0.2		1.2	
						7.2	0.4	28	23.3		7.9		32.7		97.5		6.9		23.3		9		95				<0.2			1.2	
C2	Cloudy	Moderate	07:27	11.6	Surface	1.0	0.2	0	23.7	23.7	8.0	8.0	27.2	27.2	89.7	89.7	6.5	6.5	8.8	12.8	7	8	89	93	825693	806947	<0.2	<0.2	<0.2	1.9	1.9
						1.0	0.2	0	23.7		8.0		27.2		89.7		6.5		8.8		7		89				<0.2			2.0	
					Middle	5.8	0.2	21	23.5	23.5	8.0	8.0	27.5	27.5	90.2	90.3	6.5		10.3		7		92				<0.2	<0.2		2.0	
						5.8	0.2	21	23.5		8.0		27.5		90.3		6.5		10.4		8		93				<0.2			1.9	
					Bottom	10.6	0.1	5	23.5	23.5	8.0	8.0	28.6	28.6	89.7	89.8	6.5	6.5	19.5		8		96				<0.2	<0.2		1.9	
						10.6	0.1	5	23.5		8.0		28.6		89.9		6.5		19.2		9		96				<0.2			1.9	
C3	Cloudy	Moderate	05:39	11.4	Surface	1.0	0.2	246	23.6	23.6	8.0	8.0	29.7	29.7	90.6	90.6	6.5	6.4	6.9	8.1	4	5	85	89	822089	817815	<0.2	<0.2	<0.2	1.8	1.6
						1.0	0.2	267	23.6		8.0		29.7		90.6		6.5		6.9		5		85				<0.2			1.8	
					Middle	5.7	0.3	254	23.4	23.4	8.0	8.0	30.7	30.7	88.6	88.6	6.3		8.2		5		89				<0.2	<0.2		1.5	
						5.7	0.3	256	23.4		8.0		30.7		88.6		6.3		8.1		4		89				<0.2			1.5	
					Bottom	10.4	0.4	250	23.4	23.4	8.0	8.0	30.8	30.8	89.5	89.6	6.4	6.4	9.3		5		92				<0.2	<0.2		1.6	
						10.4	0.4	250	23.4		8.0		30.8		89.7		6.4		9.3		5		92				<0.2			1.4	
IM1	Cloudy	Moderate	06:46	5.8	Surface	1.0	0.1	41	23.3	23.3	7.9	7.9	31.3	31.3	96.6	96.6	6.9	6.9	11.7	12.6	9	10	88	90	817960	807122	<0.2	<0.2	<0.2	1.1	1.1
						1.0	0.1	43	23.4		7.9		31.3		96.6		6.9		11.8		10		88				<0.2			1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	4.8	0.1	348	23.2	23.2	7.9	7.9	31.5	31.5	96.3	96.3	6.9	6.9	13.7		10		92				<0.2	<0.2		1.1	
						4.8	0.1	320	23.2		7.9		31.5		96.3		6.9		13.0		11		92				<0.2			1.0	
IM2	Cloudy	Moderate	06:53	7.3	Surface	1.0	0.2	337	23.3	23.3	7.9	7.9	31.6	31.6	97.3	97.3	6.9	6.9	14.3	19.0	12	12	89	92	818174	806168	<0.2	<0.2	<0.2	1.1	1.1
						1.0	0.2	354	23.3		7.9		31.6		97.2		6.9		14.4		11		89				<0.2			1.1	
					Middle	3.7	0.3	22	23.3	23.3	7.9	7.9	31.9	31.9	96.9	96.9	6.9		17.3		13		91				<0.2	<0.2		1.1	
						3.7	0.3	23	23.3		7.9		31.9		96.8		6.9		17.4		13		91				<0.2			1.1	
					Bottom	6.3	0.2	19	23.3	23.3	7.9	7.9	32.0	32.0	96.7	96.7	6.9	6.9	25.3		13		96				<0.2	<0.2		1.2	
						6.3	0.2	19	23.3		7.9		32.0		96.7		6.9		25.3		12		96				<0.2			1.2	
IM3	Cloudy	Moderate	06:59	7.8	Surface	1.0	0.2	26	23.3	23.3	7.9	7.9	31.7	31.7	97.7	97.7	6.9	6.9	15.5	18.9	8	9	89	92	818772	805580	<0.2	<0.2	<0.2	1.2	1.1
						1.0	0.2	26	23.3		7.9		31.7		97.7		6.9		15.7		9		88				<0.2			1.2	
					Middle	3.9	0.2	19	23.3	23.3	7.9	7.9	32.0	32.0	96.9	96.9	6.9		20.0		8		91				<0.2	<0.2		1.3	
						3.9	0.3	19	23.3		7.9		32.0		96.9		6.9		19.9		9		91				<0.2			1.0	
					Bottom	6.8	0.2	35	23.3	23.3	7.9	7.9	32.0	32.0	96.8	96.8	6.9	6.9	21.3		9		95				<0.2	<0.2		1.1	
						6.8	0.2	37	23.3		7.9		32.0		96.8		6.9		21.2		9		95				<0.2			1.0	
IM4	Cloudy	Moderate	07:07	8.1	Surface	1.0	0.2	0	23.3	23.3	7.9	7.9	31.6	31.6	97.9	98.0	7.0	7.0	14.9	20.4	7	8	89	92	819736	804629	<0.2	<0.2	<0.2	1.1	1.0
						1.0	0.2	0	23.3		7.9		31.6		98.0		7.0		15.0		8		89				<0.2			1.0	
					Middle	4.1	0.2	351	23.3	23.3	7.9	7.9	31.9	31.9	96.8	96.9	6.9		22.1		8		92				<0.2	<0.2		1.0	
						4.1	0.2	323	23.3		7.9		31.9		96.9		6.9		22.1		9		92				<0.2			1.0	
					Bottom	7.1	0.3	350	23.3	23.3	7.9	7.9	31.9	31.9	97.1	97.1	6.9	6.9	24.1		8		95				<0.2	<0.2		1.1	
						7.1	0.3	322	23.3		7.9		31.9		97.1		6.9		24.0		8		95				<0.2			1.0	
IM5	Cloudy	Moderate	07:13	7.5	Surface	1.0	0.4	10	23.3	23.3	7.9	7.9	31.7	31.7	97.4	97.4	6.9	6.9	13.9	21.6	14	22	89	92	820758	804851	<0.2	<0.2	<0.2	1.1	1.0
						1.0	0.4	10	23.3		7.9		31.7		97.4		6.9		13.9		13		89				<0.2			1.0	
					Middle	3.8	0.4	11	23.3	23.3	7.9	7.9	31.7	31.7	97.2	97.2	6.9		23.9		20		91				<0.2	<0.2		0.9	
						3.8	0.5	11	23.3		7.9		31.7		97.2		6.9		23.9		20		92				<0.2			1.0	
					Bottom	6.5	0.3	15	23.3	23.3	7.9	7.9	31.7	31.7	96.6	96.6	6.9	6.9	27.0		32		96				<0.2	<0.2		1.1	
						6.5	0.3	16	23.3		7.9		31.7		96.6		6.9		27.1		35		96				<0.2			1.1	
IM6	Cloudy	Moderate	07:21	7.3	Surface	1.0	0.4	72	23.4	23.4	7.9	7.9	30.5	30.5	96.3	96.3	6.9	6.9	13.4	15.1	12	13	88	92	821038	805816	<0.2	<0.2	<0.2	1.1	1.1
						1.0	0.4	72	23.4		7.9		30.5		96.2		6.9		13.5		13		89				<0.2			1.1	
					Middle	3.7	0.2	73	23.4	23.4	7.9	7.9	30.6	30.6	96.3	96.3	6.9		16.0		13		92				<0.2	<0.2		1.1	
						3.7	0.2	76	23.4		7.9		30.6		96.3		6.9		16.1		12		92				<0.2			1.0	
					Bottom	6.3	0.2	80	23.4	23.4	7.9	7.9	30.7	30.7	96.1	96.2	6.9	6.9	15.7		14		95				<0.2	<0.2		1.1	
						6.3	0.2	81	23.4		7.9		30.7		96.2		6.9		15.7		13		95				<0.2			1.3	
IM7	Cloudy	Moderate	07:28	8.7	Surface	1.0	0.1	124	23.7	23.7	7.8	7.8	28.6	28.6	94.2	94.3	6.8	6.8	13.5	16.2	8	9	88	92	821326	806818	<0.2	<0.2	<0.2	1.5	1.4
						1.0	0.1	125	23.7		7.8		28.7		94.3		6.8		13.5		9		90				<0.2			1.5	
					Middle	4.4	0.2	90	23.5	23.5	7.9	7.9	30.2	30.2	95.2	95.3	6.8		17.5		8		92				<0.2	<0.2		1.4	
						4.4	0.2	92	23.5		7.9		30.2		95.3		6.8		17.5		9		93				<0.2			1.4	
					Bottom	7.7	0.1	65	23.4	23.4	8.0	8.0	30.7	30.7	94.9	94.9	6.8	6.8	17.5		10		95				<0.2	<0.2		1.4	
						7.7	0.1	70	23.4		8.0		30.7		94.9		6.8		17.6		10		96				<0.2			1.1	
IM8	Cloudy	Moderate	07:02	8.0	Surface	1.0	0.1	101	23.5	23.5	8.1	8.1	28.1	28.1	93.0	93.0	6.7	6.8	9.4	11.4	10	9	89	93	821835	808118	<0.2	<0.2	<0.2	2.1	2.1
						1.0	0.1	104	23.5		8.1		28.1		93.0		6.7		9.4		9		89				<0.2			2.0	
					Middle	4.0	0.2	71	23.4	23.4	8.1	8.1	28.6	28.6	93.5	93.6	6.8		10.8		9		93				<0.2	<0.2		2.1	
						4.0	0.2	77	23.4		8.1		28.6		93.6		6.8		10.7		10		94				<0.2			2.0	
					Bottom	7.0	0.3	65	23.3	23.3	8.2	8.2	29.8	29.8	94.9	95.0	6.8	6.8	13.9		9		97				<0.2	<0.2		2.1	
						7.0	0.3	68	23.3		8.2		29.8		95.0		6.8		14.0		9		97				<0.2			2.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 December 18 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 (℃)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)			Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	Average	DA	Value	DA
IM9	Cloudy	Moderate	06:55	7.8	Surface	1.0	0.1	344	23.5	23.5	8.1	8.1	28.0	28.0	92.2	92.2	6.7	6.7	9.8	11.6	7	9	89	93	822093	808827	<0.2	<0.2	<0.2	2.2	2.0
						1.0	0.1	350	23.5		8.1		28.0		92.2		6.7		9.9		7		89				<0.2			1.9	
					Middle	3.9	0.1	28	23.5	23.5	8.1	8.1	28.4	28.4	92.7	92.8	6.7		11.9		9		94				<0.2	<0.2		2.2	
						3.9	0.1	28	23.5		8.1		28.4		92.8		6.7		11.8		9		93				<0.2			1.8	
					Bottom	6.8	0.2	60	23.4	23.4	8.1	8.1	29.0	29.0	93.5	93.6	6.7	6.7	13.3		10		97				<0.2	<0.2		1.8	
						6.8	0.2	64	23.4		8.1		29.0		93.6		6.7		13.2		9		97				<0.2			1.9	
IM10	Cloudy	Moderate	06:48	8.2	Surface	1.0	0.2	337	23.5	23.5	8.1	8.1	28.5	28.5	93.9	93.9	6.8	6.8	9.1	9.5	6	7	89	93	822375	809796	<0.2	<0.2	<0.2	2.0	1.9
						1.0	0.3	310	23.5		8.1		28.5		93.9		6.8		9.0		7		89				<0.2			2.0	
					Middle	4.1	0.3	325	23.5	23.5	8.1	8.1	29.1	29.1	92.7	92.7	6.7		8.9		6		94				<0.2	<0.2		2.0	
						4.1	0.3	334	23.5		8.1		29.1		92.7		6.7		8.9		7		93				<0.2			1.8	
					Bottom	7.2	0.2	305	23.5	23.5	8.1	8.1	29.3	29.3	92.6	92.7	6.7	6.7	10.5		8		97				<0.2	<0.2		1.7	
						7.2	0.2	327	23.5		8.1		29.3		92.7		6.7		10.6		9		97				<0.2			1.7	
IM11	Cloudy	Moderate	06:36	7.9	Surface	1.0	0.3	278	23.5	23.5	8.1	8.1	29.5	29.5	92.5	92.5	6.6	6.6	9.4	10.5	9	8	90	93	822048	811471	<0.2	<0.2	<0.2	1.5	1.6
						1.0	0.3	302	23.5		8.1		29.5		92.5		6.6		9.4		8		89				<0.2			1.5	
					Middle	4.0	0.3	290	23.5	23.5	8.1	8.1	29.5	29.5	92.4	92.4	6.6		10.6		7		93				<0.2	<0.2		1.5	
						4.0	0.3	305	23.5		8.1		29.5		92.4		6.6		10.6		8		93				<0.2			1.5	
					Bottom	6.9	0.2	290	23.5	23.5	8.1	8.1	29.5	29.5	92.9	93.0	6.7	6.7	11.5		8		98				<0.2	<0.2		1.7	
						6.9	0.2	309	23.5		8.1		29.5		93.0		6.7		11.6		7		97				<0.2			1.8	
IM12	Cloudy	Moderate	06:30	8.7	Surface	1.0	0.3	277	23.5	23.5	8.1	8.1	29.3	29.3	92.7	92.7	6.7	6.7	8.8	11.1	7	8	89	93	821462	812038	<0.2	<0.2	<0.2	1.6	1.5
						1.0	0.3	287	23.5		8.1		29.3		92.7		6.7		8.8		6		89				<0.2			1.5	
					Middle	4.4	0.3	256	23.5	23.5	8.1	8.1	29.4	29.4	92.6	92.6	6.7		11.2		7		94				<0.2	<0.2		1.5	
						4.4	0.3	272	23.5		8.1		29.4		92.6		6.7		11.2		7		93				<0.2			1.5	
					Bottom	7.7	0.2	250	23.5	23.5	8.1	8.1	29.4	29.4	92.9	93.0	6.7	6.7	13.3		9		97				<0.2	<0.2		1.5	
						7.7	0.2	256	23.5		8.1		29.4		93.0		6.7		13.2		9		97				<0.2			1.5	
SR1A	Cloudy	Moderate	06:12	5.6	Surface	1.0	-	-	23.6	23.6	8.1	8.1	29.0	29.0	92.3	92.3	6.6	6.6	8.5	8.8	8	7	-	-	820074	812590	-	-	-	-	-
						1.0	-	-	23.6		8.1		29.0		92.3		6.6		8.4		7		-				-			-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-				-		-				-	-		-	
						2.8	-	-	-		-		-		-		-				-		-				-			-	
					Bottom	4.6	-	-	23.6	23.6	8.1	8.1	29.0	29.0	93.0	93.1	6.7	6.7	9.0		6		-				-	-		-	
						4.6	-	-	23.6		8.1		29.0		93.1		6.7		9.2		6		-				-			-	
SR2	Cloudy	Moderate	06:00	4.0	Surface	1.0	0.1	303	23.4	23.4	8.1	8.1	29.2	29.2	92.4	92.4	6.6	6.7	10.3	11.3	8	8	89	92	821462	814142	<0.2	<0.2	<0.2	2.7	2.2
						1.0	0.1	332	23.4		8.1		29.2		92.4		6.7		10.2		8		90				<0.2			2.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.0	0.1	293	23.4	23.4	8.1	8.1	29.2	29.2	92.8	92.9	6.7	6.7	12.4		9		94				<0.2	<0.2		1.9	
						3.0	0.1	317	23.4		8.1		29.2		92.9		6.7		12.5		8		93				<0.2			1.7	
SR3	Cloudy	Moderate	07:08	9.1	Surface	1.0	0.4	80	23.5	23.5	8.1	8.1	28.2	28.2	93.3	93.4	6.7	6.8	10.1	13.0	9	10	-	-	822141	807563	-	-	-	-	-
						1.0	0.4	84	23.5		8.1		28.2		93.4		6.8		10.1		9		-				-			-	
					Middle	4.6	0.4	63	23.3	23.3	8.1	8.1	29.5	29.5	94.6	94.7	6.8		11.7		10		-				-	-		-	
						4.6	0.4	63	23.3		8.1		29.5		94.7		6.8		11.7		10		-				-			-	
					Bottom	8.1	0.2	37	23.3	23.3	8.2	8.2	29.8	29.8	94.9	95.0	6.8	6.8	17.0		9		-				-	-		-	
						8.1	0.3	40	23.3		8.2		29.8		95.0		6.8		17.5		10		-				-			-	
SR4A	Cloudy	Calm	06:06	8.7	Surface	1.0	0.2	110	23.6	23.6	7.8	7.8	30.4	30.4	95.6	95.7	6.8	6.8	10.4	13.4	7	7	-	-	817170	807822	-	-	-	-	-
						1.0	0.2	116	23.6		7.8		30.4		95.7		6.8		10.4		6		-				-			-	
					Middle	4.4	0.3	96	23.3	23.3	7.9	7.9	31.2	31.2	95.3	95.3	6.8		13.9		6		-				-	-		-	
						4.4	0.3	102	23.3		7.9		31.2		95.3		6.8		13.9		7		-				-			-	
					Bottom	7.7	0.2	92	23.3	23.3	7.9	7.9	31.5	31.5	95.3	95.3	6.8	6.8	15.8		7		-				-	-		-	
						7.7	0.2	100	23.3		7.9		31.5		95.3		6.8		15.8		7		-				-			-	
SR5A	Cloudy	Calm	05:50	4.4	Surface	1.0	0.1	87	23.7	23.7	7.8	7.8	29.9	29.9	94.2	94.2	6.7	6.7	9.6	9.5	6	8	-	-	816582	810712	-	-	-	-	-
						1.0	0.1	91	23.7		7.8		29.9		94.1		6.7		9.7		6		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.4	0.0	85	23.7	23.7	7.8	7.8	29.9	29.9	95.2	95.2	6.8	6.8	9.4		10		-				-	-		-	
						3.4	0.0	91	23.7		7.8		29.9		95.2		6.8		9.4		10		-				-			-	
SR6	Cloudy	Calm	05:27	4.7	Surface	1.0	0.1	146	23.6	23.6	7.7	7.7	29.8	29.8	90.9	91.0	6.5	6.5	10.6	11.4	6	6	-	-	817909	814653	-	-	-	-	-
						1.0	0.1	152	23.6		7.7		29.8		91.0		6.5		10.7		7		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.7	0.1	91	23.6	23.6	7.7	7.7	30.1	30.1	90.4	90.4	6.5	6.5	12.1		6		-				-	-		-	
						3.7	0.1	94	23.6		7.7		30.1		90.4		6.5		12.2		6		-				-			-	
SR7	Cloudy	Moderate	05:12	15.2	Surface	1.0	0.1	9	23.4	23.4	8.0	8.0	30.8	30.8	88.8	88.8	6.3	6.3	7.8	8.5	6	5	-	-	823625	823740	-	-	-	-	-
						1.0	0.1	9	23.4		8.0		30.8		88.8		6.3		7.8		5		-				-			-	
					Middle	7.6	0.0	151	23.3	23.3	7.9	7.9	31.0	31.0	88.5	88.5	6.3		8.8		5		-				-	-		-	
						7.6	0.0	162	23.3		7.9		31.0		88.5		6.3		8.8		4		-				-			-	
					Bottom	14.2	0.4	228	23.3	23.3	7.9	7.9	31.0	31.0	88.9	89.0	6.3	6.4	8.8		6		-				-	-		-	
						14.2	0.4	244	23.3		7.9		31.0		89.0		6.4		8.8		6		-				-			-	
SR8	Cloudy	Moderate	06:21	4.3	Surface	1.0	-	-	23.6	23.6	8.1	8.1	28.7	28.7	93.9	93.9	6.8	6.8	8.3	9.0	8	7	-	-	820246	811418	-	-	-	-	-
						1.0	-	-	23.6		8.1		28.7		93.9		6.8		8.3		7		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.3	-	-	23.4	23.4	8.1	8.1	29.5	29.5	92.8	92.9	6.7	6.7	9.6		6		-				-	-		-	
						3.3	-	-	23.4		8.1		29.5		92.9		6.7		9.6		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**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	13:25	7.4	Surface	1.0	0.4	144	22.2	22.2	8.3	8.3	30.4	30.4	98.8	98.8	7.2	7.2	9.2	11.9	9	9	85	89	815631	804233	<0.2	<0.2	1.5	1.4
						1.0	0.4	147	22.2		8.3		30.4		98.8		7.2		9.3		8		85				<0.2		1.5	
					Middle	3.7	0.2	145	22.4	22.4	8.3	8.3	31.4	31.4	99.1	99.1	7.2		10.5		9		89				<0.2		1.6	
						3.7	0.2	145	22.4		8.3		31.4		99.1		7.2		10.5		9		89				<0.2		1.2	
					Bottom	6.4	0.0	71	22.5	22.5	8.2	8.2	32.5	32.5	101.6	101.8	7.3	7.3	16.1		10		94				<0.2		1.3	
						6.4	0.0	77	22.5		8.2		32.5		101.9		7.3		16.1		10		94				<0.2		1.3	
C2	Cloudy	Moderate	12:04	12.0	Surface	1.0	0.1	78	22.8	22.8	8.1	8.1	28.0	28.0	92.5	92.5	6.8	6.8	11.3	17.9	12	14	82	85	825689	806955	<0.2	<0.2	1.9	1.9
						1.0	0.1	84	22.8		8.1		28.0		92.5		6.8		11.3		12		81				<0.2		1.9	
					Middle	6.0	0.2	34	22.7	22.7	8.2	8.2	28.3	28.3	92.5	92.5	6.8		18.8		12		85				<0.2		1.9	
						6.0	0.2	34	22.7		8.2		28.3		92.5		6.8		18.9		12		85				<0.2		2.0	
					Bottom	11.0	0.2	333	22.8	22.9	8.2	8.2	28.5	28.5	92.2	92.3	6.7	6.7	23.4		18		90				<0.2		2.0	
						11.0	0.2	345	22.9		8.2		28.5		92.3		6.7		23.9		18		89				<0.2		1.8	
C3	Cloudy	Moderate	13:45	10.6	Surface	1.0	0.4	91	23.0	23.0	8.2	8.2	30.4	30.4	92.8	92.8	6.7	6.7	3.9	5.7	7	6	82	86	822121	817792	<0.2	<0.2	1.4	1.4
						1.0	0.4	95	23.0		8.2		30.4		92.8		6.7		3.9		6		83				<0.2		1.4	
					Middle	5.3	0.4	83	23.0	23.0	8.2	8.2	30.4	30.4	92.1	92.1	6.6		3.9		6		86				<0.2		1.4	
						5.3	0.4	89	23.0		8.2		30.4		92.1		6.6		3.9		6		86				<0.2		1.4	
					Bottom	9.6	0.3	73	23.0	23.0	8.2	8.2	30.6	30.6	91.7	91.8	6.6	6.6	9.4		4		90				<0.2		1.4	
						9.6	0.4	73	23.0		8.2		30.6		91.9		6.6		9.4		5		90				<0.2		1.4	
IM1	Cloudy	Moderate	13:08	5.5	Surface	1.0	0.1	327	22.3	22.3	8.2	8.2	30.1	30.1	96.2	96.3	7.0	7.0	8.7	9.6	10	10	83	85	817939	807115	<0.2	<0.2	1.5	1.4
						1.0	0.1	357	22.3		8.2		30.1		96.3		7.0		8.9		10		84				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.0	76	22.2	22.2	8.2	8.2	30.2	30.2	99.2	99.3	7.2	7.3	10.4		9		86				<0.2		1.3	
						4.5	0.0	83	22.2		8.2		30.2		99.4		7.3		10.4		9		86				<0.2		1.4	
IM2	Cloudy	Moderate	13:01	7.6	Surface	1.0	0.2	35	22.3	22.3	8.2	8.2	30.7	30.7	98.1	98.1	7.1	7.1	10.0	12.1	9	10	84	88	818182	806180	<0.2	<0.2	1.5	1.4
						1.0	0.2	37	22.3		8.2		30.7		98.0		7.1		10.1		8		84				<0.2		1.5	
					Middle	3.8	0.1	14	22.3	22.3	8.2	8.2	30.7	30.7	97.6	97.6	7.1		11.1		11		87				<0.2		1.4	
						3.8	0.1	15	22.3		8.2		30.7		97.5		7.1		11.4		10		88				<0.2		1.3	
					Bottom	6.6	0.2	353	22.3	22.3	8.2	8.2	30.9	30.9	97.5	97.5	7.1	7.1	14.7		12		92				<0.2		1.4	
						6.6	0.2	325	22.3		8.2		30.9		97.5		7.1		15.2		12		92				<0.2		1.2	
IM3	Cloudy	Moderate	12:54	8.0	Surface	1.0	0.2	66	22.3	22.3	8.2	8.2	30.4	30.4	97.2	97.2	7.1	7.1	11.0	14.7	8	10	84	88	818761	805595	<0.2	<0.2	1.6	1.4
						1.0	0.2	69	22.3		8.2		30.5		97.1		7.1		11.4		9		84				<0.2		1.7	
					Middle	4.0	0.2	18	22.4	22.4	8.2	8.2	31.1	31.1	96.7	96.7	7.0		14.7		9		88				<0.2		1.5	
						4.0	0.2	18	22.4		8.2		31.1		96.7		7.0		14.7		10		88				<0.2		1.3	
					Bottom	7.0	0.2	22	22.4	22.4	8.2	8.2	31.2	31.2	96.7	96.7	7.0	7.0	18.3		11		93				<0.2		1.3	
						7.0	0.2	22	22.4		8.2		31.2		96.7		7.0		18.3		12		92				<0.2		1.2	
IM4	Fine	Moderate	12:45	8.3	Surface	1.0	0.2	42	22.2	22.2	8.2	8.2	30.5	30.5	97.9	97.9	7.1	7.1	10.3	13.5	12	12	84	88	819708	804586	<0.2	<0.2	1.3	1.3
						1.0	0.2	43	22.2		8.2		30.5		97.8		7.1		10.3		11		83				<0.2		1.2	
					Middle	4.2	0.1	359	22.5	22.5	8.2	8.2	31.2	31.2	96.9	96.9	7.0		12.3		11		88				<0.2		1.3	
						4.2	0.1	330	22.5		8.2		31.2		96.9		7.0		12.4		11		88				<0.2		1.3	
					Bottom	7.3	0.2	336	22.4	22.4	8.2	8.2	31.3	31.3	98.4	98.5	7.1	7.1	17.7		13		91				<0.2		1.2	
						7.3	0.3	341	22.4		8.2		31.3		98.6		7.1		18.3		14		91				<0.2		1.3	
IM5	Fine	Moderate	12:34	7.2	Surface	1.0	0.1	34	22.2	22.2	8.2	8.2	30.3	30.4	97.7	97.7	7.1	7.1	11.9	15.6	14	16	84	87	820742	804854	<0.2	<0.2	1.6	1.4
						1.0	0.2	35	22.2		8.2		30.4		97.7		7.1		12.1		14		83				<0.2		1.4	
					Middle	3.6	0.2	44	22.3	22.3	8.2	8.2	30.8	30.8	97.3	97.3	7.1		15.2		15		87				<0.2		1.4	
						3.6	0.2	44	22.3		8.2		30.8		97.3		7.1		15.5		15		87				<0.2		1.3	
					Bottom	6.2	0.4	4	22.4	22.4	8.2	8.2	30.9	30.9	98.2	98.3	7.1	7.1	19.4		18		91				<0.2		1.2	
						6.2	0.4	4	22.3		8.2		30.9		98.3		7.1		19.7		17		92				<0.2		1.2	
IM6	Fine	Moderate	12:22	7.5	Surface	1.0	0.2	88	22.4	22.4	8.2	8.2	29.8	29.8	95.0	95.0	6.9	7.0	17.6	19.5	21	20	83	87	821062	805849	<0.2	<0.2	1.5	1.5
						1.0	0.2	92	22.4		8.2		29.9		95.0		6.9		17.9		21		83				<0.2		1.6	
					Middle	3.8	0.2	49	22.4	22.4	8.2	8.2	30.1	30.1	95.5	95.6	7.0		19.5		21		87				<0.2		1.5	
						3.8	0.2	51	22.4		8.2		30.1		95.6		7.0		19.6		20		87				<0.2		1.4	
					Bottom	6.5	0.1	9	22.4	22.4	8.2	8.2	30.2	30.2	96.2	96.3	7.0	7.0	21.2		18		91				<0.2		1.4	
						6.5	0.1	9	22.4		8.2		30.2		96.3		7.0		21.2		18		91				<0.2		1.6	
IM7	Fine	Moderate	12:14	9.0	Surface	1.0	0.3	146	22.4	22.4	8.2	8.2	29.2	29.2	93.0	93.0	6.8	6.8	17.2	19.6	22	20	83	87	821353	806845	<0.2	<0.2	2.0	1.8
						1.0	0.3	155	22.4		8.2		29.2		93.0		6.8		17.2		21		83				<0.2		1.8	
					Middle	4.5	0.1	113	22.4	22.4	8.2	8.2	29.6	29.6	93.3	93.3	6.8		19.4		19		86				<0.2		1.7	
						4.5	0.1	116	22.4		8.2		29.6		93.3		6.8		19.6		19		86				<0.2		1.8	
					Bottom	8.0	0.0	358	22.4	22.4	8.2	8.2	29.9	29.9	94.7	94.8	6.9	6.9	22.0		19		90				<0.2		1.9	
						8.0	0.0	329	22.4		8.2		29.9		94.9		6.9		22.2		19		91				<0.2		1.8	
IM8	Cloudy	Moderate	12:28	8.3	Surface	1.0	0.3	92	22.7	22.7	8.2	8.2	28.6	28.6	94.5	94.5	6.9	6.9	10.8	15.1	18	12	83	86	821842	808151	<0.2	<0.2	2.0	1.9
						1.0	0.3	95	22.7		8.2		28.6		94.5		6.9		10.9		18		82				<0.2		1.7	
					Middle	4.2	0.3	81	22.7	22.7	8.2	8.2	28.7	28.7	94.7	94.8	6.9		14.0		8		86				<0.2		2.0	
						4.2	0.3	86	22.7		8.2		28.7		94.8		6.9		14.4		9		87				<0.2		2.0	
					Bottom	7.3	0.3	83	22.7	22.7	8.2	8.2	29.1	29.1	95.8	95.8	7.0	7.0	20.3		9		90				<0.2		1.9	
						7.3	0.3	88	22.7		8.2		29.1		95.8		7.0		20.6		10		90				<0.2		2.0	

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Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
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Water Quality Monitoring
Water Quality Monitoring Results on 08 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	12:33	7.3	Surface	1.0	0.3	98	22.7	22.7	8.2	8.2	28.5	28.5	95.1	95.1	7.0	7.0	8.5	11.1	11	11	82	86	822085	808809	<0.2	<0.2	2.0	2.1
						1.0	0.3	104	22.7		8.2		28.5		95.1		7.0		8.5		10		82				<0.2		2.0	
					Middle	3.7	0.2	99	22.7	22.7	8.2	8.2	29.0	29.0	94.8	94.8	6.9		12.2		12		85				<0.2		2.0	
						3.7	0.3	104	22.7		8.2		29.0		94.8		6.9		12.0		11		86				<0.2		2.0	
					Bottom	6.3	0.2	107	22.7	22.7	8.2	8.2	29.0	29.0	96.9	97.1	7.1	7.1	12.9		11		90				<0.2		2.4	
						6.3	0.2	116	22.7		8.2		29.0		97.3		7.1		12.8		12		90				<0.2		2.0	
IM10	Cloudy	Moderate	12:40	7.1	Surface	1.0	0.3	107	22.8	22.8	8.2	8.2	28.6	28.6	93.1	93.1	6.8	6.8	8.9	10.7	7	10	82	86	822377	809785	<0.2	<0.2	2.0	1.9
						1.0	0.3	111	22.8		8.2		28.6		93.1		6.8		9.0		7		81				<0.2		2.1	
					Middle	3.6	0.3	98	22.8	22.8	8.2	8.2	28.8	28.8	92.7	92.7	6.8		11.9		11		86				<0.2		1.9	
						3.6	0.3	102	22.8		8.2		28.8		92.7		6.8		11.9		11		87				<0.2		1.8	
					Bottom	6.1	0.2	88	22.8	22.8	8.2	8.2	28.9	28.9	93.7	93.8	6.8	6.8	11.3		12		90				<0.2		1.9	
						6.1	0.2	90	22.8		8.2		28.9		93.9		6.8		11.3		14		90				<0.2		1.8	
IM11	Cloudy	Moderate	12:50	7.7	Surface	1.0	0.2	117	22.9	22.9	8.2	8.2	29.2	29.2	92.8	92.8	6.7	6.7	6.5	6.7	12	10	83	86	822042	811480	<0.2	<0.2	1.8	1.8
						1.0	0.2	125	22.9		8.2		29.2		92.8		6.7		6.5		11		82				<0.2		1.7	
					Middle	3.9	0.2	103	22.9	22.9	8.2	8.2	29.2	29.2	92.8	92.8	6.7		6.7		9		86				<0.2		1.7	
						3.9	0.2	110	22.9		8.2		29.2		92.8		6.7		6.7		8		87				<0.2		1.8	
					Bottom	6.7	0.1	103	22.9	22.9	8.2	8.2	29.3	29.3	93.3	93.4	6.8	6.8	6.9		9		90				<0.2		1.8	
						6.7	0.2	111	22.9		8.2		29.3		93.5		6.8		6.9		10		90				<0.2		1.8	
IM12	Cloudy	Moderate	12:56	9.8	Surface	1.0	0.3	105	22.9	22.9	8.2	8.2	29.2	29.2	92.2	92.2	6.7	6.7	5.7	6.3	8	9	82	86	821453	812038	<0.2	<0.2	1.8	1.8
						1.0	0.4	105	22.9		8.2		29.2		92.2		6.7		5.7		8		82				<0.2		1.8	
					Middle	4.9	0.3	117	22.9	22.9	8.2	8.2	29.3	29.3	91.8	91.8	6.7		6.7		10		85				<0.2		1.8	
						4.9	0.3	122	22.9		8.2		29.3		91.8		6.7		6.7		10		86				<0.2		1.8	
					Bottom	8.8	0.2	118	22.9	22.9	8.2	8.2	29.4	29.4	92.2	92.3	6.7	6.7	6.4		9		89				<0.2		1.8	
						8.8	0.2	123	22.9		8.2		29.4		92.3		6.7		6.5		8		90				<0.2		1.9	
SR1A	Cloudy	Moderate	13:15	5.0	Surface	1.0	-	-	22.7	22.7	8.2	8.2	28.7	28.7	91.8	91.8	6.7	6.7	6.0	6.3	21	23	-	-	820070	812592	-	-	-	-
						1.0	-	-	22.7		8.2		28.7		91.8		6.7		6.0		20		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-				-		-				-		-	
						2.5	-	-	-		-		-		-		-				-		-				-		-	
					Bottom	4.0	-	-	22.7	22.7	8.2	8.2	28.8	28.8	92.7	92.8	6.8	6.8	6.7		26		-				-		-	
						4.0	-	-	22.7		8.2		28.8		92.8		6.8		6.7		25		-				-		-	
SR2	Cloudy	Moderate	13:27	5.5	Surface	1.0	0.4	84	22.9	22.9	8.2	8.2	29.1	29.1	92.4	92.4	6.7	6.7	6.7	6.5	8	8	82	84	821486	814150	<0.2	<0.2	1.5	1.5
						1.0	0.4	89	22.9		8.2		29.1		92.3		6.7		6.7		8		83				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.2	98	22.9	22.9	8.2	8.2	29.3	29.3	93.4	93.5	6.8	6.8	6.3		8		85				<0.2		1.5	
						4.5	0.2	101	22.9		8.2		29.3		93.6		6.8		6.4		8		86				<0.2		1.5	
SR3	Cloudy	Moderate	12:24	8.6	Surface	1.0	0.4	103	22.8	22.8	8.2	8.2	28.1	28.1	93.4	93.4	6.8	6.9	9.1	12.5	15	13	-	-	822157	807581	-	-	-	-
						1.0	0.4	107	22.8		8.2		28.1		93.4		6.8		9.0		14		-				-		-	
					Middle	4.3	0.5	96	22.7	22.7	8.2	8.2	28.4	28.4	94.2	94.2	6.9		12.4		13		-				-		-	
						4.3	0.5	103	22.7		8.2		28.4		94.2		6.9		12.2		13		-				-		-	
					Bottom	7.6	0.4	78	22.7	22.7	8.2	8.2	29.0	29.0	96.1	96.1	7.0	7.0	17.2		11		-				-		-	
						7.6	0.4	84	22.7		8.2		29.0		96.1		7.0		15.1		11		-				-		-	
SR4A	Cloudy	Calm	13:44	9.9	Surface	1.0	0.3	74	22.3	22.3	8.2	8.2	30.3	30.3	95.7	95.7	7.0	7.0	14.2	15.0	15	13	-	-	817189	807823	-	-	-	-
						1.0	0.3	78	22.3		8.2		30.3		95.7		7.0		14.3		15		-				-		-	
					Middle	5.0	0.3	71	22.2	22.2	8.2	8.2	30.4	30.4	96.0	96.0	7.0		14.5		12		-				-		-	
						5.0	0.3	75	22.2		8.2		30.4		96.0		7.0		14.6		12		-				-		-	
					Bottom	8.9	0.2	43	22.2	22.2	8.2	8.2	30.4	30.4	96.8	96.9	7.1	7.1	16.2		12		-				-		-	
						8.9	0.2	43	22.2		8.2		30.4		96.9		7.1		16.1		12		-				-		-	
SR5A	Cloudy	Calm	14:01	3.8	Surface	1.0	0.2	332	22.4	22.4	8.2	8.2	29.5	29.5	91.3	91.3	6.7	6.7	8.0	8.2	8	8	-	-	816581	810700	-	-	-	-
						1.0	0.2	354	22.4		8.2		29.5		91.3		6.7		8.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	334	22.4	22.4	8.2	8.2	29.5	29.5	92.4	92.5	6.8	6.8	8.4		8		-				-		-	
						2.8	0.2	335	22.4		8.2		29.5		92.6		6.8		8.3		8		-				-		-	
SR6	Cloudy	Calm	14:35	3.5	Surface	1.0	0.1	327	22.3	22.3	8.1	8.1	29.3	29.3	91.3	91.4	6.7	6.7	7.3	7.7	6	5	-	-	817900	814659	-	-	-	-
						1.0	0.1	357	22.3		8.1		29.3		91.4		6.7		7.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	320	22.3	22.3	8.1	8.1	29.4	29.4	92.5	92.6	6.8	6.8	8.1		5		-				-		-	
						2.5	0.1	344	22.3		8.1		29.4		92.6		6.8		8.1		4		-				-		-	
SR7	Cloudy	Moderate	14:11	14.6	Surface	1.0	0.5	91	23.1	23.1	8.2	8.2	30.8	30.8	91.2	91.2	6.5	6.5	4.4	4.5	6	5	-	-	823620	823724	-	-	-	-
						1.0	0.5	96	23.1		8.2		30.8		91.2		6.5		4.4		6		-				-		-	
					Middle	7.3	0.4	103	23.1	23.1	8.2	8.2	30.8	30.8	91.1	91.1	6.5		4.1		5		-				-		-	
						7.3	0.4	105	23.1		8.2		30.8		91.1		6.5		4.2		5		-				-		-	
					Bottom	13.6	0.2	37	23.0	23.0	8.2	8.2	30.9	30.9	91.5	91.5	6.6	6.6	5.2		5		-				-		-	
						13.6	0.2	37	23.0		8.2		30.9		91.5		6.6		5.1		5		-				-		-	
SR8	Cloudy	Moderate	13:07	4.6	Surface	1.0	-	-	22.7	22.7	8.3	8.3	29.0	29.0	94.7	94.7	6.9	6.9	13.0	15.7	10	9	-	-	820515	811655	-	-	-	-
						1.0	-	-	22.7		8.3		29.0		94.7		6.9		12.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	22.7	22.7	8.3	8.3	29.0	29.0	94.7	94.7	6.9	6.9	18.6		7		-				-		-	
						3.6	-	-	22.7		8.3		29.0		94.7		6.9		18.2		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**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	08:18	8.6	Surface	1.0	0.6	52	22.2	22.2	8.3	8.3	30.1	30.1	97.0	97.0	7.1	7.1	11.9	14.7	15	17	86	89	815630	804251	<0.2	<0.2	1.4	1.4
						1.0	0.6	55	22.2		8.3		30.1		97.0		7.1		12.6		15		86				<0.2		1.4	
					Middle	4.3	0.4	43	22.4	22.4	8.3	8.3	31.2	31.2	97.6	97.6	7.1		14.9		17		89				<0.2		1.3	
						4.3	0.4	45	22.4		8.3		31.2		97.6		7.1		14.8		17		89				<0.2		1.4	
					Bottom	7.6	0.5	26	22.4	22.4	8.3	8.3	31.4	31.4	98.3	98.4	7.1	7.1	17.3		18		93				<0.2		1.3	
						7.6	0.5	28	22.4		8.3		31.4		98.5		7.1		16.9		17		92				<0.2		1.4	
C2	Cloudy	Moderate	09:15	11.4	Surface	1.0	0.2	11	22.9	22.9	8.1	8.1	27.8	27.8	91.9	91.9	6.7	6.8	10.2	14.0	12	12	85	89	825697	806940	<0.2	<0.2	1.3	1.3
						1.0	0.2	11	22.9		8.1		27.8		91.9		6.7		10.3		13		85				<0.2		1.2	
					Middle	5.7	0.2	25	22.8	22.8	8.2	8.2	28.1	28.1	92.5	92.5	6.8		11.4		12		89				<0.2		1.4	
						5.7	0.2	25	22.8		8.2		28.1		92.5		6.8		11.4		12		89				<0.2		1.4	
					Bottom	10.4	0.1	10	22.7	22.7	8.2	8.2	29.0	29.0	93.4	93.4	6.8	6.8	20.1		11		93				<0.2		1.4	
						10.4	0.1	10	22.7		8.2		29.0		93.4		6.8		20.7		11		93				<0.2		1.3	
C3	Cloudy	Moderate	07:12	11.1	Surface	1.0	0.4	255	23.1	23.1	8.2	8.2	29.4	29.4	91.0	91.0	6.6	6.6	5.3	9.5	5	5	84	88	822110	817822	<0.2	<0.2	1.5	1.5
						1.0	0.4	260	23.1		8.2		29.4		91.0		6.6		5.3		6		84				<0.2		1.5	
					Middle	5.6	0.6	262	23.1	23.1	8.2	8.2	30.0	30.0	89.9	89.9	6.5		7.4		5		88				<0.2		1.6	
						5.6	0.6	269	23.1		8.2		30.0		89.9		6.5		7.4		5		88				<0.2		1.5	
					Bottom	10.1	0.4	260	23.2	23.2	8.2	8.2	30.2	30.2	90.0	90.0	6.5	6.5	15.9		5		92				<0.2		1.5	
						10.1	0.4	263	23.2		8.2		30.2		90.0		6.5		15.5		5		91				<0.2		1.6	
IM1	Cloudy	Moderate	08:36	5.1	Surface	1.0	0.2	7	22.2	22.2	8.2	8.2	29.9	29.9	95.1	95.1	7.0	7.0	9.3	13.0	12	13	84	87	817964	807131	<0.2	<0.2	1.4	1.8
						1.0	0.2	7	22.2		8.2		29.9		95.1		7.0		9.3		13		85				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	335	22.2	22.2	8.2	8.2	30.1	30.1	95.9	96.0	7.0	7.0	16.8		13		89				<0.2		2.1	
						4.1	0.1	308	22.2		8.2		30.1		96.0		7.0		16.7		12		89				<0.2		2.3	
IM2	Cloudy	Moderate	08:44	7.7	Surface	1.0	0.3	1	22.4	22.4	8.2	8.2	30.4	30.4	96.1	96.2	7.0	7.0	15.8	17.4	20	19	85	88	818140	806174	<0.2	<0.2	1.6	1.7
						1.0	0.3	1	22.4		8.2		30.4		96.2		7.0		15.8		21		85				<0.2		1.7	
					Middle	3.9	0.3	0	22.4	22.4	8.2	8.2	30.4	30.4	96.6	96.7	7.0		16.9		19		88				<0.2		1.5	
						3.9	0.3	0	22.4		8.2		30.4		96.7		7.0		17.1		19		88				<0.2		1.9	
					Bottom	6.7	0.4	29	22.3	22.3	8.2	8.2	30.4	30.4	99.8	100.0	7.3	7.3	19.5		18		91				<0.2		1.7	
						6.7	0.5	30	22.3		8.2		30.4		100.1		7.3		19.4		18		92				<0.2		1.7	
IM3	Cloudy	Moderate	08:51	7.9	Surface	1.0	0.5	21	22.4	22.4	8.2	8.2	30.7	30.7	96.4	96.4	7.0	7.0	15.8	18.6	20	17	85	88	818796	805609	<0.2	<0.2	1.4	1.4
						1.0	0.5	22	22.4		8.2		30.7		96.4		7.0		15.8		19		85				<0.2		1.3	
					Middle	4.0	0.3	7	22.5	22.5	8.2	8.2	30.8	30.8	96.4	96.4	7.0		18.9		17		88				<0.2		1.3	
						4.0	0.3	7	22.5		8.2		30.8		96.4		7.0		18.8		16		88				<0.2		1.4	
					Bottom	6.9	0.4	17	22.4	22.4	8.2	8.2	30.8	30.8	97.0	97.1	7.0	7.0	21.0		16		91				<0.2		1.5	
						6.9	0.4	18	22.4		8.2		30.8		97.1		7.0		21.1		16		91				<0.2		1.6	
IM4	Cloudy	Moderate	09:01	8.2	Surface	1.0	0.6	355	22.3	22.3	8.2	8.2	30.8	30.8	97.0	97.0	7.1	7.1	18.0	20.3	28	23	85	88	819726	804611	<0.2	<0.2	1.5	1.4
						1.0	0.6	327	22.3		8.2		30.8		97.0		7.1		18.0		29		85				<0.2		1.4	
					Middle	4.1	0.3	349	22.4	22.4	8.2	8.2	30.9	30.9	96.7	96.7	7.0		20.3		20		88				<0.2		1.6	
						4.1	0.4	357	22.4		8.2		30.9		96.7		7.0		20.4		18		89				<0.2		1.3	
					Bottom	7.2	0.5	359	22.4	22.4	8.2	8.2	30.9	30.9	97.1	97.2	7.1	7.1	22.5		20		91				<0.2		1.3	
						7.2	0.5	330	22.4		8.2		30.9		97.2		7.1		22.4		20		92				<0.2		1.4	
IM5	Cloudy	Moderate	09:09	6.8	Surface	1.0	0.5	7	22.2	22.2	8.2	8.2	30.4	30.4	97.0	97.0	7.1	7.1	14.8	18.0	20	19	85	88	820718	804846	<0.2	<0.2	1.6	1.6
						1.0	0.5	7	22.2		8.2		30.4		97.0		7.1		15.2		21		85				<0.2		1.5	
					Middle	3.4	0.5	24	22.3	22.3	8.2	8.2	30.6	30.6	96.7	96.7	7.0		17.7		19		88				<0.2		1.5	
						3.4	0.5	24	22.3		8.2		30.6		96.7		7.0		17.5		19		88				<0.2		1.6	
					Bottom	5.8	0.4	351	22.3	22.3	8.2	8.2	30.6	30.6	97.1	97.1	7.1	7.1	21.5		17		91				<0.2		1.7	
						5.8	0.5	323	22.3		8.2		30.6		97.1		7.1		21.5		17		91				<0.2		1.7	
IM6	Cloudy	Moderate	09:18	7.3	Surface	1.0	0.2	78	22.3	22.3	8.2	8.2	29.7	29.7	94.0	94.0	6.9	6.9	15.1	17.5	18	18	83	87	821060	805816	<0.2	<0.2	1.7	1.7
						1.0	0.2	83	22.3		8.2		29.7		94.0		6.9		15.3		18		83				<0.2		1.6	
					Middle	3.7	0.2	40	22.3	22.3	8.2	8.2	29.7	29.7	94.1	94.2	6.9		16.4		18		86				<0.2		1.7	
						3.7	0.2	43	22.3		8.2		29.7		94.2		6.9		16.8		19		87				<0.2		1.8	
					Bottom	6.3	0.1	96	22.3	22.3	8.2	8.2	29.8	29.8	95.1	95.2	7.0	7.0	21.0		18		90				<0.2		1.7	
						6.3	0.1	100	22.3		8.2		29.8		95.3		7.0		20.6		18		90				<0.2		1.7	
IM7	Cloudy	Moderate	09:30	9.3	Surface	1.0	0.2	136	22.4	22.4	8.2	8.2	29.3	29.3	92.7	92.8	6.8	6.8	17.0	20.2	21	21	83	86	821325	806828	<0.2	<0.2	1.6	1.7
						1.0	0.2	144	22.4		8.2		29.3		92.8		6.8		16.9		20		82				<0.2		1.6	
					Middle	4.7	0.1	128	22.4	22.4	8.2	8.2	29.4	29.4	93.0	93.0	6.8		20.6		19		86				<0.2		1.6	
						4.7	0.1	138	22.4		8.2		29.4		93.0		6.8		20.4		20		87				<0.2		1.8	
					Bottom	8.3	0.1	301	22.4	22.4	8.2	8.2	29.9	29.9	94.3	94.4	6.9	6.9	23.2		21		90				<0.2		1.7	
						8.3	0.1	320	22.4		8.2		29.9		94.4		6.9		23.3		22		90				<0.2		1.7	
IM8	Cloudy	Moderate	08:40	7.6	Surface	1.0	0.2	94	22.9	22.9	8.1	8.1	27.8	27.8	91.4	91.5	6.7	6.8	9.6	12.7	22	17	84	89	821810	808159	<0.2	<0.2	1.7	1.7
						1.0	0.2	97	22.9		8.1		27.8		91.5		6.7		9.6		22		85				<0.2		1.8	
					Middle	3.8	0.3	58	22.8	22.8	8.2	8.2	28.3	28.3	92.6	92.7	6.8		13.2		14		89				<0.2		1.7	
						3.8	0.3	59	22.8		8.2		28.3		92.7		6.8		13.3		15		89				<0.2		1.6	
					Bottom	6.6	0.3	51	22.7	22.7	8.2	8.2	28.8	28.8	93.9	93.9	6.9	6.9	15.1		13		93				<0.2		1.6	
						6.6	0.3	55	22.7		8.2		28.8		93.9		6.9		15.2		14		93				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	08:35	7.3	Surface	1.0	0.2	1	22.8	22.8	8.1	8.1	28.0	28.0	91.9	91.9	6.7	6.8	18.6	21.2	23	23	85	89	822102	808803	<0.2	<0.2	1.9	1.9
						1.0	0.2	1	22.8		8.1		28.0		91.9		6.7		18.5		23		85				<0.2		1.8	
					Middle	3.7	0.3	21	22.8	22.8	8.1	8.1	28.1	28.1	92.3	92.4	6.8		20.9		23		89				<0.2		1.8	
						3.7	0.4	21	22.8		8.1		28.1		92.4		6.8		20.3		23		88				<0.2		1.9	
					Bottom	6.3	0.3	355	22.7	22.7	8.1	8.1	28.3	28.3	93.2	93.3	6.8	6.8	24.3		23		93				<0.2		2.0	
						6.3	0.3	327	22.7		8.1		28.3		93.3		6.8		24.9		24		93				<0.2		1.9	
IM10	Cloudy	Moderate	08:26	7.8	Surface	1.0	0.4	317	22.9	22.9	8.2	8.2	28.9	28.9	91.7	91.7	6.7	6.7	11.3	12.1	15	16	85	89	822389	809778	<0.2	<0.2	1.9	1.9
						1.0	0.5	336	22.9		8.2		28.9		91.7		6.7		11.3		14		85				<0.2		2.0	
					Middle	3.9	0.4	319	22.9	22.9	8.2	8.2	28.9	28.9	92.0	92.0	6.7		12.3		15		89				<0.2		2.0	
						3.9	0.5	346	22.9		8.2		28.9		92.0		6.7		12.3		16		88				<0.2		1.9	
					Bottom	6.8	0.3	309	22.8	22.8	8.2	8.2	28.9	28.9	93.0	93.1	6.8	6.8	12.9		16		92				<0.2		1.9	
						6.8	0.3	332	22.8		8.2		28.9		93.2		6.8		12.7		17		93				<0.2		1.9	
IM11	Cloudy	Moderate	08:15	7.8	Surface	1.0	0.5	292	22.8	22.8	8.2	8.2	28.9	28.9	93.1	93.1	6.8	6.8	12.3	17.8	17	19	85	89	822037	811440	<0.2	<0.2	1.6	1.6
						1.0	0.5	316	22.8		8.2		28.9		93.1		6.8		12.2		17		85				<0.2		1.5	
					Middle	3.9	0.5	292	22.8	22.8	8.2	8.2	28.9	28.9	93.2	93.2	6.8		18.9		19		88				<0.2		1.6	
						3.9	0.5	320	22.8		8.2		28.9		93.2		6.8		18.0		19		89				<0.2		1.7	
					Bottom	6.8	0.3	302	22.8	22.8	8.2	8.2	28.9	28.9	94.5	94.6	6.9	6.9	22.6		21		92				<0.2		1.7	
						6.8	0.4	304	22.8		8.2		28.9		94.7		6.9		22.7		21		92				<0.2		1.7	
IM12	Cloudy	Moderate	08:08	9.7	Surface	1.0	0.4	280	22.8	22.8	8.2	8.2	28.9	28.9	92.7	92.7	6.8	6.8	11.8	15.2	18	19	85	89	821438	812044	<0.2	<0.2	1.6	1.6
						1.0	0.4	292	22.8		8.2		28.9		92.7		6.8		11.7		19		84				<0.2		1.7	
					Middle	4.9	0.4	277	22.8	22.8	8.2	8.2	28.9	28.9	92.8	92.8	6.8		15.6		16		89				<0.2		1.6	
						4.9	0.4	290	22.8		8.2		28.9		92.8		6.8		16.2		17		89				<0.2		1.6	
					Bottom	8.7	0.5	283	22.8	22.8	8.2	8.2	28.9	28.9	93.5	93.6	6.8	6.8	17.7		21		94				<0.2		1.6	
						8.7	0.5	306	22.8		8.2		28.9		93.7		6.8		18.0		21		93				<0.2		1.6	
SR1A	Cloudy	Moderate	07:48	5.3	Surface	1.0	-	-	22.8	22.8	8.2	8.2	28.7	28.7	90.6	90.6	6.6	6.6	8.3	7.9	11	10	-	-	820064	812590	-	-	-	-
						1.0	-	-	22.8		8.2		28.7		90.6		6.6		8.4		10		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-				-		-		-				-		-				-		-	
					Bottom	4.3	-	-	22.8	22.8	8.2	8.2	28.7	28.7	92.1	92.3	6.7	6.8	7.5		10		-				-		-	
						4.3	-	-	22.7		8.2		28.7		92.5		6.8		7.5		10		-				-		-	
SR2	Cloudy	Moderate	07:36	4.4	Surface	1.0	0.1	346	22.7	22.7	8.2	8.2	28.9	28.9	93.1	93.1	6.8	6.8	15.6	15.4	6	12	84	87	821486	814179	<0.2	<0.2	1.6	1.6
						1.0	0.1	318	22.7		8.2		28.9		93.1		6.8		15.3		6		85				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	339	22.7	22.7	8.2	8.2	28.9	28.9	93.3	93.4	6.8	6.8	15.3		17		89				<0.2		1.6	
						3.4	0.1	312	22.7		8.2		28.9		93.4		6.8		15.4		17		89				<0.2		1.6	
SR3	Cloudy	Moderate	08:47	8.7	Surface	1.0	0.1	56	22.9	22.9	8.1	8.1	27.8	27.8	91.9	91.9	6.7	6.8	10.0	15.7	11	11	-	-	822163	807559	-	-	-	-
						1.0	0.1	56	22.9		8.1		27.8		91.9		6.7		10.0		11		-				-		-	
					Middle	4.4	0.3	62	22.7	22.7	8.2	8.2	28.1	28.1	93.3	93.4	6.8		11.5		11		-				-		-	
						4.4	0.3	67	22.7		8.2		28.2		93.4		6.8		11.5		11		-				-		-	
					Bottom	7.7	0.4	51	22.7	22.7	8.2	8.2	29.1	29.0	94.1	94.2	6.9	6.9	25.8		11		-				-		-	
						7.7	0.4	55	22.7		8.2		29.0		94.2		6.9		25.6		12		-				-		-	
SR4A	Cloudy	Calm	07:56	9.1	Surface	1.0	0.1	187	22.4	22.4	8.2	8.2	29.5	29.5	90.9	91.0	6.7	6.8	8.2	10.7	7	7	-	-	817192	807810	-	-	-	-
						1.0	0.2	196	22.4		8.2		29.5		91.0		6.7		8.3		7		-				-		-	
					Middle	4.6	0.0	181	22.4	22.4	8.2	8.2	29.6	29.6	92.3	92.5	6.8		10.2		7		-				-		-	
						4.6	0.0	185	22.4		8.2		29.7		92.7		6.8		11.2		7		-				-		-	
					Bottom	8.1	0.2	61	22.3	22.3	8.2	8.2	30.4	30.4	94.7	94.8	6.9	6.9	13.0		7		-				-		-	
						8.1	0.2	65	22.3		8.2		30.4		94.9		6.9		13.1		7		-				-		-	
SR5A	Cloudy	Calm	07:40	3.5	Surface	1.0	0.1	270	22.4	22.4	8.2	8.2	29.5	29.5	92.4	92.5	6.8	6.8	9.2	9.5	7	9	-	-	816607	810691	-	-	-	-
						1.0	0.1	295	22.4		8.2		29.5		92.6		6.8		9.2		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.5	0.1	272	22.3	22.3	8.2	8.2	29.5	29.5	93.1	93.2	6.8	6.8	9.8		10		-				-		-	
						2.5	0.1	299	22.3		8.2		29.5		93.2		6.8		10.0		9		-				-		-	
SR6	Cloudy	Calm	07:06	3.8	Surface	1.0	0.2	248	22.4	22.4	8.1	8.1	29.6	29.6	90.4	90.5	6.6	6.6	9.9	11.3	6	8	-	-	817888	814659	-	-	-	-
						1.0	0.2	256	22.4		8.1		29.6		90.5		6.6		10.2		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	262	22.4	22.4	8.1	8.1	29.7	29.7	91.0	91.1	6.7	6.7	12.5		9		-				-		-	
						2.8	0.2	266	22.4		8.1		29.7		91.1		6.7		12.7		10		-				-		-	
SR7	Cloudy	Moderate	06:44	14.3	Surface	1.0	0.1	68	22.9	22.9	8.2	8.2	29.8	29.8	90.5	90.5	6.6	6.6	4.8	6.4	5	7	-	-	823618	823721	-	-	-	-
						1.0	0.1	69	22.9		8.2		29.8		90.5		6.6		4.8		6		-				-		-	
					Middle	7.2	0.3	26	23.1	23.1	8.1	8.1	30.3	30.3	90.2	90.2	6.5		6.7		8		-				-		-	
						7.2	0.3	26	23.1		8.1		30.3		90.2		6.5		6.7		8		-				-		-	
					Bottom	13.3	0.2	359	23.0	23.0	8.0	8.0	30.4	30.4	91.1	91.1	6.6	6.6	7.7		6		-				-		-	
						13.3	0.3	330	23.0		8.0		30.4		91.1		6.6		7.8		8		-				-		-	
SR8	Cloudy	Moderate	08:00	4.6	Surface	1.0	-	-	22.7	22.7	8.2	8.2	28.7	28.7	93.2	93.2	6.8	6.8	8.7	9.4	16	15	-	-	820484	811646	-	-	-	-
						1.0	-	-	22.7		8.2		28.7		93.2		6.8		8.6		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	22.8	22.8	8.2	8.2	28.9	28.9	93.7	93.8	6.8	6.8	10.1		14		-				-		-	
						3.6	-	-	22.8		8.2		28.9		93.9		6.8		10.2		14		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:49	9.1	Surface	1.0	0.1	230	21.3	21.3	8.3	8.3	30.8	30.8	97.2	97.2	7.2	7.2	6.9	11.9	13	11	90	94	815600	804246	<0.2	<0.2	0.8	0.7
						1.0	0.1	232	21.3		8.3		30.8		97.1		7.2		7.0		12		90				<0.2		0.7	
					Middle	4.6	0.3	266	21.3	21.3	8.3	8.3	30.8	30.8	97.0	97.0	7.2		7.6		8		93				<0.2		0.7	
						4.6	0.3	272	21.3		8.3		30.8		96.9		7.2		7.7		10		95				<0.2		0.6	
					Bottom	8.1	0.3	270	21.3	21.3	8.2	8.2	30.8	30.8	96.7	96.7	7.2	7.2	21.1		10		96				<0.2		0.6	
						8.1	0.3	274	21.3		8.2		30.8		96.7		7.2		21.2		10		97				<0.2		0.8	
C2	Fine	Moderate	13:54	11.8	Surface	1.0	0.3	21	21.5	21.5	8.2	8.2	29.7	29.7	94.9	94.9	7.1	7.1	5.8	14.2	7	8	88	93	825687	806933	<0.2	<0.2	1.3	1.4
						1.0	0.3	21	21.5		8.2		29.7		94.9		7.1		5.8		7		89				<0.2		1.4	
					Middle	5.9	0.4	337	21.4	21.4	8.2	8.2	30.1	30.1	94.2	94.2	7.0		20.8		9		92				<0.2		1.4	
						5.9	0.4	359	21.4		8.2		30.1		94.2		7.0		20.7		8		93				<0.2		1.3	
					Bottom	10.8	0.4	315	21.3	21.3	8.2	8.2	30.8	30.8	96.4	96.5	7.1	7.1	16.0		8		96				<0.2		1.3	
						10.8	0.4	318	21.3		8.2		30.8		96.5		7.1		16.1		8		97				<0.2		1.5	
C3	Fine	Moderate	15:53	7.8	Surface	1.0	0.1	163	22.2	22.2	8.2	8.2	31.8	31.8	93.7	93.7	6.8	6.8	4.0	4.4	8	9	88	92	822112	817804	<0.2	<0.2	0.8	0.8
						1.0	0.1	167	22.2		8.2		31.8		93.7		6.8		4.0		7		89				<0.2		0.8	
					Middle	3.9	0.0	326	22.2	22.2	8.2	8.2	31.9	31.9	93.5	93.5	6.8		4.3		8		92				<0.2		0.7	
						3.9	0.0	328	22.2		8.2		31.9		93.5		6.8		4.3		8		92				<0.2		0.9	
					Bottom	6.8	0.0	359	22.2	22.2	8.2	8.2	31.9	31.9	93.4	93.5	6.8	6.8	4.8		10		96				<0.2		1.0	
						6.8	0.0	330	22.2		8.2		31.9		93.5		6.8		4.8		10		95				<0.2		0.8	
IM1	Fine	Moderate	14:31	5.4	Surface	1.0	0.1	175	21.3	21.3	8.2	8.2	30.8	30.8	95.8	95.8	7.1	7.1	6.9	7.4	9	9	86	90	817967	807131	<0.2	<0.2	0.8	0.7
						1.0	0.1	177	21.3		8.2		30.8		95.8		7.1		6.8		8		87				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.1	169	21.4	21.4	8.2	8.2	30.8	30.8	95.2	95.2	7.0	7.0	7.9		9		94				<0.2		0.7	
						4.4	0.1	173	21.4		8.2		30.8		95.2		7.0		7.9		9		94				<0.2		0.7	
IM2	Fine	Moderate	14:26	7.8	Surface	1.0	0.2	160	21.3	21.3	8.2	8.2	30.8	30.8	96.4	96.4	7.1	7.1	6.2	6.5	8	9	86	91	818172	806186	<0.2	<0.2	0.6	0.7
						1.0	0.2	164	21.3		8.2		30.8		96.4		7.1		6.2		8		88				<0.2		0.7	
					Middle	3.9	0.2	287	21.3	21.3	8.2	8.2	30.8	30.8	96.1	96.1	7.1		6.4		8		90				<0.2		0.7	
						3.9	0.2	302	21.3		8.2		30.8		96.1		7.1		6.4		9		90				<0.2		0.7	
					Bottom	6.8	0.1	280	21.3	21.3	8.2	8.2	30.8	30.8	95.9	96.0	7.1	7.1	6.8		9		94				<0.2		0.7	
						6.8	0.2	292	21.3		8.2		30.8		96.0		7.1		6.9		9		95				<0.2		0.7	
IM3	Fine	Moderate	14:20	8.1	Surface	1.0	0.2	180	21.3	21.3	8.2	8.2	30.8	30.8	95.8	95.8	7.1	7.1	7.5	7.8	10	10	87	91	818793	805571	<0.2	<0.2	0.8	0.8
						1.0	0.2	195	21.3		8.2		30.8		95.8		7.1		7.5		9		88				<0.2		0.8	
					Middle	4.1	0.1	133	21.3	21.3	8.2	8.2	30.8	30.8	95.6	95.6	7.1		7.5		10		90				<0.2		0.8	
						4.1	0.1	143	21.3		8.2		30.8		95.6		7.1		7.4		10		91				<0.2		0.7	
					Bottom	7.1	0.1	110	21.3	21.3	8.2	8.2	30.8	30.8	95.3	95.4	7.1	7.1	8.4		9		94				<0.2		0.8	
						7.1	0.1	111	21.3		8.2		30.8		95.4		7.1		8.4		9		94				<0.2		0.7	
IM4	Fine	Moderate	14:13	8.4	Surface	1.0	0.4	310	21.3	21.3	8.2	8.2	30.3	30.3	96.7	96.8	7.2	7.2	7.8	9.0	9	10	87	90	819702	804599	<0.2	<0.2	0.7	0.7
						1.0	0.4	319	21.3		8.2		30.3		96.8		7.2		7.9		9		87				<0.2		0.7	
					Middle	4.2	0.2	328	21.3	21.3	8.2	8.2	30.5	30.5	97.1	97.2	7.2		8.9		11		90				<0.2		0.7	
						4.2	0.2	330	21.3		8.2		30.5		97.2		7.2		9.0		10		91				<0.2		0.7	
					Bottom	7.4	0.2	354	21.3	21.3	8.2	8.2	30.7	30.7	97.3	97.3	7.2	7.2	10.2		10		93				<0.2		0.8	
						7.4	0.3	326	21.3		8.2		30.7		97.3		7.2		10.2		11		94				<0.2		0.7	
IM5	Fine	Moderate	14:03	7.6	Surface	1.0	0.4	243	21.4	21.4	8.2	8.2	30.3	30.3	97.4	97.4	7.2	7.2	8.0	9.9	10	11	86	91	820731	804844	<0.2	<0.2	0.8	0.8
						1.0	0.4	249	21.4		8.2		30.3		97.3		7.2		8.0		11		87				<0.2		0.6	
					Middle	3.8	0.4	221	21.3	21.3	8.3	8.3	30.6	30.6	96.7	96.7	7.2		10.0		10		89				<0.2		0.7	
						3.8	0.4	228	21.3		8.3		30.6		96.7		7.2		10.0		10		91				<0.2		0.8	
					Bottom	6.6	0.1	199	21.2	21.2	8.3	8.3	30.9	30.9	96.3	96.3	7.2	7.2	11.6		12		95				<0.2		0.8	
						6.6	0.1	215	21.2		8.3		30.9		96.3		7.2		11.7		12		96				<0.2		0.8	
IM6	Fine	Moderate	13:55	8.0	Surface	1.0	0.5	214	21.4	21.4	8.2	8.2	30.3	30.3	97.4	97.4	7.2	7.2	7.8	9.6	9	10	86	90	821054	805824	<0.2	<0.2	0.8	0.7
						1.0	0.5	221	21.4		8.2		30.3		97.4		7.2		7.9		9		87				<0.2		0.7	
					Middle	4.0	0.3	237	21.3	21.3	8.3	8.3	30.6	30.6	96.9	96.9	7.2		9.5		11		90				<0.2		0.7	
						4.0	0.3	237	21.3		8.3		30.6		96.8		7.2		9.6		10		91				<0.2		0.7	
					Bottom	7.0	0.3	216	21.2	21.2	8.3	8.3	30.9	30.9	96.5	96.5	7.2	7.2	11.4		11		93				<0.2		0.7	
						7.0	0.3	235	21.2		8.3		30.9		96.5		7.2		11.3		10		94				<0.2		0.7	
IM7	Fine	Moderate	13:53	9.4	Surface	1.0	0.4	216	21.4	21.4	8.2	8.2	30.3	30.3	97.0	97.0	7.2	7.2	8.0	10.1	11	11	87	90	821354	806833	<0.2	<0.2	0.8	0.8
						1.0	0.5	220	21.4		8.2		30.3		97.0		7.2		8.0		12		88				<0.2		0.8	
					Middle	4.7	0.5	239	21.2	21.2	8.3	8.3	30.9	30.9	96.1	96.1	7.1		9.9		11		90				<0.2		0.7	
						4.7	0.5	250	21.2		8.3		30.9		96.1		7.1		10.0		11		91				<0.2		0.8	
					Bottom	8.4	0.4	249	21.2	21.2	8.3	8.3	31.1	31.1	96.3	96.3	7.1	7.1	12.3		11		93				<0.2		0.7	
						8.4	0.4	255	21.2		8.3		31.1		96.3		7.1		12.2		12		93				<0.2		0.8	
IM8	Fine	Moderate	14:23	8.9	Surface	1.0	0.2	125	21.4	21.4	8.2	8.2	30.3	30.3	97.6	97.6	7.2	7.2	8.2	9.8	8	10	89	93	821835	808129	<0.2	<0.2	1.2	1.1
						1.0	0.2	130	21.4		8.2		30.3		97.6		7.2		8.3		8		89				<0.2		1.1	
					Middle	4.5	0.2	118	21.3	21.3	8.2	8.2	30.5	30.5	97.4	97.4	7.2		8.6		11		92				<0.2		1.1	
						4.5	0.2	120	21.3		8.2		30.5		97.4		7.2		8.6		11		93				<0.2		1.1	
					Bottom	7.9	0.2	102	21.2	21.2	8.3	8.3	30.9	30.9	97.2	97.3	7.2	7.2	12.6		11		96				<0.2		1.2	
						7.9	0.2	104	21.2		8.3		30.9		97.3		7.2		12.7		12		96				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	14:30	8.3	Surface	1.0	0.2	73	21.3	21.3	8.2	8.2	30.3	30.3	97.0	97.1	7.2	7.2	7.7	9.2	10	11	89	93	822108	808805	<0.2	<0.2	1.1	1.2
						1.0	0.2	74	21.3		8.2		30.3		97.1		7.2		7.8		10		89				<0.2		1.3	
					Middle	4.2	0.2	86	21.2	21.2	8.2	8.2	30.6	30.6	97.6	97.7	7.2		9.4		10		92				<0.2		1.0	
						4.2	0.2	86	21.2		8.2		30.6		97.7		7.3		9.5		10		93				<0.2		1.2	
					Bottom	7.3	0.1	88	21.3	21.3	8.2	8.2	30.8	30.8	99.2	99.4	7.4	7.4	10.5		12		96				<0.2		1.3	
						7.3	0.1	91	21.3		8.2		30.8		99.5		7.4		10.5		11		96				<0.2		1.1	
IM10	Fine	Moderate	14:37	8.4	Surface	1.0	0.1	331	21.3	21.3	8.2	8.2	30.8	30.8	96.0	96.0	7.1	7.1	7.3	7.8	10	10	88	93	822386	809800	<0.2	<0.2	1.0	1.0
						1.0	0.1	352	21.3		8.2		30.8		96.0		7.1		7.3		9		89				<0.2		1.1	
					Middle	4.2	0.2	62	21.3	21.3	8.2	8.2	30.8	30.8	95.8	95.9	7.1		8.0		10		93				<0.2		1.0	
						4.2	0.2	63	21.3		8.2		30.8		95.9		7.1		7.9		9		92				<0.2		1.0	
					Bottom	7.4	0.1	66	21.3	21.3	8.2	8.2	30.8	30.8	96.9	97.1	7.2	7.2	8.2		10		96				<0.2		1.0	
						7.4	0.1	73	21.3		8.2		30.8		97.2		7.2		8.2		10		97				<0.2		1.0	
IM11	Fine	Moderate	14:49	9.1	Surface	1.0	0.1	89	21.3	21.3	8.2	8.2	30.8	30.8	96.7	96.7	7.2	7.2	6.2	6.7	10	9	88	93	822056	811464	<0.2	<0.2	1.0	0.9
						1.0	0.1	98	21.3		8.2		30.8		96.7		7.2		6.2		10		89				<0.2		1.0	
					Middle	4.6	0.0	79	21.3	21.3	8.2	8.2	30.8	30.8	96.4	96.4	7.1		6.7		9		93				<0.2		1.0	
						4.6	0.0	64	21.3		8.2		30.8		96.4		7.1		6.7		8		93				<0.2		0.8	
					Bottom	8.1	0.1	23	21.2	21.2	8.2	8.2	30.8	30.8	97.3	97.4	7.2	7.2	7.3		9		96				<0.2		0.9	
						8.1	0.1	26	21.2		8.2		30.8		97.4		7.2		7.3		8		97				<0.2		0.9	
IM12	Fine	Moderate	14:57	8.4	Surface	1.0	0.1	54	21.3	21.3	8.2	8.2	30.8	30.8	95.9	95.9	7.1	7.1	6.6	7.7	10	10	89	93	821468	812059	<0.2	<0.2	0.9	1.0
						1.0	0.1	61	21.3		8.2		30.8		95.9		7.1		6.7		9		89				<0.2		1.0	
					Middle	4.2	0.2	54	21.3	21.3	8.2	8.2	30.8	30.8	95.7	95.7	7.1		7.1		10		93				<0.2		1.0	
						4.2	0.2	59	21.3		8.2		30.8		95.7		7.1		7.2		10		93				<0.2		1.0	
					Bottom	7.4	0.2	46	21.4	21.4	8.2	8.2	30.8	30.8	97.2	97.4	7.2	7.2	9.3		9		96				<0.2		1.0	
						7.4	0.2	51	21.4		8.2		30.8		97.5		7.2		9.4		9		97				<0.2		1.0	
SR1A	Fine	Moderate	15:17	5.6	Surface	1.0	-	-	21.3	21.3	8.2	8.2	30.2	30.2	94.2	94.2	7.0	7.0	6.4	7.2	8	9	-	-	820070	812592	-	-	-	-
						1.0	-	-	21.3		8.2		30.2		94.2		7.0		6.4		9		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	21.3	21.3	8.2	8.2	30.3	30.3	95.6	95.8	7.1	7.1	8.0		9		-				-		-	
						4.6	-	-	21.3		8.2		30.3		95.9		7.1		8.0		8		-				-		-	
SR2	Fine	Moderate	15:29	4.8	Surface	1.0	0.1	80	21.5	21.5	8.2	8.2	31.0	31.0	95.9	95.9	7.1	7.1	6.2	6.6	8	10	89	90	821466	814187	<0.2	<0.2	1.0	1.0
						1.0	0.1	82	21.5		8.2		31.0		95.9		7.1		6.3		9		88				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	49	21.6	21.6	8.2	8.2	31.0	31.0	96.6	96.7	7.1	7.1	6.9		11		92				<0.2		1.0	
						3.8	0.2	43	21.6		8.2		31.0		96.8		7.1		7.1		10		92				<0.2		0.8	
SR3	Fine	Moderate	14:18	10.0	Surface	1.0	0.3	177	21.4	21.4	8.2	8.2	30.3	30.3	97.2	97.2	7.2	7.2	8.1	10.4	10	12	-	-	822137	807576	-	-	-	-
						1.0	0.3	177	21.4		8.2		30.3		97.2		7.2		8.1		10		-				-		-	
					Middle	5.0	0.2	165	21.2	21.2	8.3	8.3	31.0	31.0	96.7	96.7	7.2		10.8		11		-				-		-	
						5.0	0.2	167	21.2		8.3		31.0		96.7		7.2		10.8		11		-				-		-	
					Bottom	9.0	0.2	175	21.1	21.1	8.3	8.3	31.1	31.1	97.3	97.3	7.2	7.2	12.4		14		-				-		-	
						9.0	0.2	182	21.1		8.3		31.1		97.3		7.2		12.1		14		-				-		-	
SR4A	Fine	Calm	15:12	8.6	Surface	1.0	0.3	66	21.5	21.5	8.2	8.2	30.9	30.9	95.6	95.6	7.1	7.0	6.1	7.1	7	8	-	-	817199	807790	-	-	-	-
						1.0	0.3	71	21.5		8.2		30.9		95.5		7.1		6.1		8		-				-		-	
					Middle	4.3	0.3	59	21.6	21.6	8.2	8.2	31.0	31.0	93.5	93.5	6.9		6.4		8		-				-		-	
						4.3	0.3	59	21.6		8.2		31.0		93.4		6.9		6.6		8		-				-		-	
					Bottom	7.6	0.2	100	21.8	21.8	8.2	8.2	31.1	31.1	93.6	93.7	6.9	6.9	8.6		9		-				-		-	
						7.6	0.2	106	21.8		8.2		31.1		93.7		6.9		8.6		9		-				-		-	
SR5A	Fine	Calm	15:28	5.0	Surface	1.0	0.1	140	22.2	22.2	8.2	8.2	31.8	31.8	93.7	93.7	6.8	6.8	4.0	4.1	4	7	-	-	816572	810713	-	-	-	-
						1.0	0.1	140	22.2		8.2		31.8		93.7		6.8		4.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	81	22.2	22.2	8.2	8.2	31.8	31.8	93.7	93.7	6.8	6.8	4.2		10		-				-		-	
						4.0	0.1	88	22.2		8.2		31.8		93.7		6.8		4.2		9		-				-		-	
SR6	Fine	Calm	15:51	4.3	Surface	1.0	0.1	250	22.2	22.2	8.2	8.2	31.8	31.8	93.7	93.7	6.8	6.8	4.1	4.1	7	7	-	-	817885	814651	-	-	-	-
						1.0	0.1	264	22.2		8.2		31.8		93.7		6.8		4.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	271	22.2	22.2	8.2	8.2	31.8	31.8	93.6	93.6	6.8	6.8	4.2		8		-				-		-	
						3.3	0.1	285	22.2		8.2		31.8		93.6		6.8		4.2		8		-				-		-	
SR7	Fine	Moderate	16:22	14.7	Surface	1.0	0.3	70	22.1	22.1	8.2	8.2	31.8	31.8	94.3	94.3	6.8	6.8	3.9	4.2	9	14	-	-	823650	823748	-	-	-	-
						1.0	0.3	71	22.1		8.2		31.8		94.3		6.8		3.9		10		-				-		-	
					Middle	7.4	0.2	44	22.1	22.1	8.2	8.2	31.8	31.8	94.0	94.0	6.8		4.2		10		-				-		-	
						7.4	0.2	47	22.1		8.2		31.8		94.0		6.8		4.2		10		-				-		-	
					Bottom	13.7	0.1	17	22.2	22.2	8.2	8.2	31.9	31.9	94.1	94.1	6.8	6.8	4.6		22		-				-		-	
						13.7	0.1	18	22.2		8.2		31.9		94.1		6.8		4.6		22		-				-		-	
SR8	Fine	Moderate	15:07	4.3	Surface	1.0	-	-	21.3	21.3	8.3	8.3	30.8	30.8	97.5	97.5	7.2	7.2	6.7	7.0	11	11	-	-	820525	811658	-	-	-	-
						1.0	-	-	21.3		8.3		30.8		97.5		7.2		6.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	21.3	21.3	8.2	8.2	30.8	30.8	99.2	99.3	7.3	7.4	7.3		11		-				-		-	
						3.3	-	-	21.3		8.2		30.8		99.4		7.4		7.3		10		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	09:52	8.8	Surface	1.0	0.0	80	21.3	21.3	8.2	8.2	30.8	30.8	94.9	94.9	7.0	7.0	7.6	9.8	10	9	84	89	815609	804266	<0.2	<0.2	0.9	0.9
						1.0	0.0	84	21.3		8.2		30.8		94.9		7.0		7.7		11		85				<0.2		0.9	
					Middle	4.4	0.1	87	21.3	21.3	8.2	8.2	30.8	30.8	94.8	94.8	7.0		8.1		9		88				<0.2		1.0	
						4.4	0.1	90	21.3		8.2		30.8		94.7		7.0		8.4		9		89				<0.2		1.0	
					Bottom	7.8	0.1	79	21.3	21.3	8.2	8.2	30.8	30.8	94.6	94.7	7.0	7.0	13.3		6		93				<0.2		0.8	
						7.8	0.2	83	21.3		8.2		30.8		94.7		7.0		13.5		6		93				<0.2		0.9	
C2	Fine	Moderate	11:46	12.0	Surface	1.0	0.3	340	21.4	21.4	8.2	8.2	29.7	29.7	93.9	93.9	7.0	7.0	5.6	12.3	9	9	84	88	825693	806934	<0.2	<0.2	1.3	1.4
						1.0	0.3	342	21.4		8.2		29.7		93.9		7.0		5.6		9		84				<0.2		1.4	
					Middle	6.0	0.3	1	21.5	21.5	8.2	8.2	29.9	29.9	92.7	92.7	6.9		9.3		8		89				<0.2		1.4	
						6.0	0.3	1	21.5		8.2		29.9		92.7		6.9		9.4		9		88				<0.2		1.3	
					Bottom	11.0	0.2	324	21.8	21.8	8.2	8.2	30.6	30.5	92.8	92.9	6.8	6.8	22.0		9		92				<0.2		1.5	
						11.0	0.2	337	21.8		8.2		30.5		92.9		6.8		22.1		9		92				<0.2		1.4	
C3	Cloudy	Moderate	09:45	10.9	Surface	1.0	0.5	274	21.7	21.7	8.2	8.2	31.1	31.1	93.4	93.4	6.9	6.9	6.0	12.6	8	8	84	89	822100	817818	<0.2	<0.2	0.9	1.0
						1.0	0.5	298	21.7		8.2		31.1		93.4		6.9		6.0		8		85				<0.2		0.8	
					Middle	5.5	0.4	274	21.8	21.8	8.2	8.2	31.1	31.1	92.7	92.7	6.8		8.7		8		89				<0.2		0.8	
						5.5	0.4	293	21.8		8.2		31.1		92.7		6.8		8.8		8		89				<0.2		1.1	
					Bottom	9.9	0.3	277	21.8	21.8	8.2	8.2	31.1	31.1	92.8	92.8	6.8	6.8	22.5		6		93				<0.2		1.0	
						9.9	0.3	303	21.8		8.2		31.1		92.8		6.8		23.7		7		92				<0.2		1.1	
IM1	Fine	Moderate	10:08	5.5	Surface	1.0	0.1	97	21.2	21.2	8.2	8.2	30.7	30.7	95.0	95.0	7.1	7.1	8.8	9.3	10	9	85	89	817943	807131	<0.2	<0.2	0.9	0.9
						1.0	0.1	103	21.2		8.2		30.7		95.0		7.1		8.9		9		85				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.1	130	21.2	21.2	8.2	8.2	30.8	30.8	94.9	94.9	7.0	7.0	9.7		9		92				<0.2		0.9	
						4.5	0.1	134	21.2		8.2		30.8		94.9		7.0		9.8		8		93				<0.2		0.9	
IM2	Fine	Moderate	10:15	8.0	Surface	1.0	0.2	92	21.4	21.4	8.2	8.2	30.9	30.9	95.0	95.0	7.0	7.0	11.2	13.2	9	9	87	89	818167	806188	<0.2	<0.2	0.9	1.0
						1.0	0.2	94	21.4		8.2		30.9		95.0		7.0		11.2		10		87				<0.2		1.0	
					Middle	4.0	0.1	100	21.3	21.3	8.2	8.2	30.9	30.9	94.7	94.7	7.0		13.3		10		89				<0.2		1.0	
						4.0	0.1	108	21.3		8.2		30.9		94.7		7.0		13.5		9		89				<0.2		0.9	
					Bottom	7.0	0.2	90	21.3	21.3	8.2	8.2	30.9	30.9	94.6	94.6	7.0	7.0	15.0		9		92				<0.2		1.0	
						7.0	0.2	97	21.3		8.2		30.9		94.6		7.0		15.0		9		92				<0.2		1.0	
IM3	Fine	Moderate	10:22	8.1	Surface	1.0	0.1	88	21.3	21.3	8.2	8.2	30.8	30.8	95.3	95.3	7.1	7.1	11.4	11.5	10	11	87	92	818794	805581	<0.2	<0.2	0.9	1.0
						1.0	0.1	95	21.3		8.2		30.8		95.3		7.1		11.2		11		88				<0.2		1.0	
					Middle	4.1	0.1	90	21.3	21.3	8.2	8.2	30.8	30.8	95.2	95.2	7.1		11.5		11		92				<0.2		1.0	
						4.1	0.1	97	21.3		8.2		30.8		95.2		7.1		11.4		11		93				<0.2		1.0	
					Bottom	7.1	0.2	64	21.3	21.3	8.2	8.2	30.8	30.8	95.2	95.2	7.1	7.1	11.7		11		95				<0.2		1.0	
						7.1	0.2	64	21.3		8.2		30.8		95.2		7.1		11.6		12		95				<0.2		0.9	
IM4	Fine	Moderate	10:29	8.2	Surface	1.0	0.2	74	21.3	21.3	8.2	8.2	29.8	29.8	94.4	94.4	7.0	7.0	8.0	9.8	14	16	87	90	819733	804619	<0.2	<0.2	1.0	1.0
						1.0	0.2	80	21.3		8.2		29.8		94.4		7.0		8.0		14		87				<0.2		1.0	
					Middle	4.1	0.1	333	21.3	21.3	8.2	8.2	30.0	30.0	94.5	94.5	7.0		10.1		15		90				<0.2		1.1	
						4.1	0.1	359	21.3		8.2		30.0		94.5		7.0		10.1		16		90				<0.2		1.0	
					Bottom	7.2	0.2	337	21.3	21.3	8.2	8.2	30.2	30.2	94.8	94.8	7.1	7.1	11.3		20		92				<0.2		1.0	
						7.2	0.2	337	21.3		8.2		30.2		94.8		7.1		11.2		19		93				<0.2		1.0	
IM5	Fine	Moderate	10:36	7.4	Surface	1.0	0.1	327	21.3	21.3	8.2	8.2	29.9	29.9	94.5	94.5	7.0	7.0	8.7	9.9	10	10	88	93	820716	804859	<0.2	<0.2	1.1	0.9
						1.0	0.1	346	21.3		8.2		29.9		94.5		7.0		8.7		10		89				<0.2		0.8	
					Middle	3.7	0.2	22	21.3	21.3	8.2	8.2	29.9	29.9	94.5	94.5	7.0		9.4		9		93				<0.2		0.7	
						3.7	0.2	22	21.3		8.2		29.9		94.5		7.0		9.4		10		94				<0.2		1.0	
					Bottom	6.4	0.1	49	21.3	21.3	8.2	8.2	30.3	30.3	94.5	94.5	7.0	7.0	11.7		10		96				<0.2		0.8	
						6.4	0.2	50	21.3		8.2		30.3		94.5		7.0		11.6		10		96				<0.2		1.1	
IM6	Fine	Moderate	10:42	7.6	Surface	1.0	0.0	129	21.3	21.3	8.2	8.2	29.9	29.9	94.6	94.6	7.0	7.0	9.4	10.1	12	12	88	93	821057	805826	<0.2	<0.2	0.9	1.0
						1.0	0.0	140	21.3		8.2		29.9		94.6		7.0		9.4		11		89				<0.2		1.1	
					Middle	3.8	0.1	57	21.3	21.3	8.2	8.2	30.0	29.9	94.5	94.5	7.0		9.7		12		92				<0.2		1.1	
						3.8	0.1	58	21.3		8.2		29.9		94.5		7.0		9.7		11		94				<0.2		0.8	
					Bottom	6.6	0.1	43	21.3	21.3	8.2	8.2	30.3	30.3	94.4	94.4	7.0	7.0	11.4		12		96				<0.2		0.8	
						6.6	0.1	44	21.3		8.2		30.2		94.4		7.0		11.1		14		97				<0.2		1.1	
IM7	Fine	Moderate	10:50	9.0	Surface	1.0	0.1	257	21.4	21.4	8.2	8.2	29.6	29.6	93.8	93.8	7.0	7.0	8.2	13.5	10	10	88	92	821328	806847	<0.2	<0.2	1.1	0.9
						1.0	0.1	270	21.4		8.2		29.6		93.8		7.0		8.2		10		89				<0.2		1.0	
					Middle	4.5	0.1	78	21.4	21.4	8.2	8.2	29.8	29.8	93.7	93.7	7.0		10.2		9		92				<0.2		1.0	
						4.5	0.1	79	21.4		8.2		29.8		93.7		7.0		10.4		9		93				<0.2		0.8	
					Bottom	8.0	0.1	80	21.2	21.2	8.2	8.2	30.6	30.6	94.3	94.3	7.0	7.0	22.0		10		95				<0.2		0.9	
						8.0	0.1	82	21.2		8.2		30.6		94.2		7.0		22.0		9		96				<0.2		0.8	
IM8	Cloudy	Moderate	11:13	7.3	Surface	1.0	0.1	103	21.3	21.3	8.2	8.2	29.9	29.9	94.7	94.7	7.1	7.1	8.7	10.3	12	12	85	89	821810	808138	<0.2	<0.2	1.3	1.3
						1.0	0.1	105	21.3		8.2		29.9		94.7		7.1		8.7		11		84				<0.2		1.4	
					Middle	3.7	0.1	80	21.3	21.3	8.2	8.2	30.0	30.0	94.9	95.0	7.1		9.9		12		89				<0.2		1.3	
						3.7	0.1	81	21.3		8.2		30.0		95.0		7.1		9.9		13		89				<0.2		1.2	
					Bottom	6.3	0.1	72	21.3	21.3	8.2	8.2	30.3	30.3	96.1	96.2	7.1	7.2	12.3		13		93				<0.2		1.1	
						6.3	0.1	72	21.3		8.2		30.3		96.2		7.2		12.4		13		92				<0.2		1.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 11 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:05	6.7	Surface	1.0	0.3	31	21.3	21.3	8.2	8.2	29.8	29.8	94.8	94.9	7.1	7.1	8.2	10.0	10	10	84	89	822101	808814	<0.2	<0.2	1.3	1.3
						1.0	0.3	31	21.3		8.2		29.8		94.9		7.1		8.4		11		85				<0.2		1.2	
					Middle	3.4	0.3	13	21.2	21.2	8.2	8.2	30.0	30.0	95.4	95.5	7.1		10.4		10		88				<0.2		1.3	
						3.4	0.3	13	21.2		8.2		30.0		95.5		7.1		10.4		10		89				<0.2		1.3	
					Bottom	5.7	0.4	349	21.2	21.2	8.2	8.2	30.2	30.2	97.8	98.0	7.3	7.3	11.2		10		93				<0.2		1.3	
						5.7	0.4	321	21.2		8.2		30.2		98.2		7.3		11.3		11		92				<0.2		1.3	
IM10	Cloudy	Moderate	10:55	6.5	Surface	1.0	0.4	326	21.3	21.3	8.2	8.2	30.8	30.8	95.5	95.5	7.1	7.1	10.9	11.5	15	16	84	89	822389	809785	<0.2	<0.2	0.8	0.9
						1.0	0.4	329	21.3		8.2		30.8		95.5		7.1		10.9		15		85				<0.2		1.0	
					Middle	3.3	0.4	320	21.3	21.3	8.2	8.2	30.8	30.8	95.6	95.7	7.1		11.3		15		89				<0.2		0.8	
						3.3	0.4	339	21.3		8.2		30.8		95.7		7.1		11.2		16		89				<0.2		0.9	
					Bottom	5.5	0.3	321	21.3	21.3	8.2	8.2	30.8	30.8	97.0	97.1	7.2	7.2	12.3		16		92				<0.2		0.9	
						5.5	0.3	350	21.3		8.2		30.8		97.2		7.2		12.3		16		93				<0.2		1.0	
IM11	Cloudy	Moderate	10:45	7.4	Surface	1.0	0.4	287	21.4	21.4	8.2	8.2	30.8	30.8	95.3	95.4	7.1	7.1	10.9	14.3	10	11	84	89	822062	811473	<0.2	<0.2	0.9	0.9
						1.0	0.4	313	21.4		8.2		30.8		95.4		7.1		10.9		11		85				<0.2		0.9	
					Middle	3.7	0.4	288	21.4	21.4	8.2	8.2	30.8	30.8	95.4	95.4	7.1		10.9		11		89				<0.2		0.9	
						3.7	0.4	292	21.4		8.2		30.8		95.4		7.1		11.1		11		89				<0.2		1.0	
					Bottom	6.4	0.3	298	21.2	21.2	8.2	8.2	30.9	30.9	96.1	96.2	7.1	7.1	21.1		11		93				<0.2		0.8	
						6.4	0.3	312	21.2		8.2		30.9		96.2		7.1		20.9		11		93				<0.2		0.9	
IM12	Cloudy	Moderate	10:38	9.4	Surface	1.0	0.4	296	21.2	21.2	8.2	8.2	30.7	30.7	95.2	95.2	7.1	7.1	8.9	9.9	10	10	84	90	821467	812033	<0.2	<0.2	1.0	0.9
						1.0	0.4	311	21.2		8.2		30.7		95.2		7.1		8.8		10		89				<0.2		0.9	
					Middle	4.7	0.3	283	21.2	21.2	8.2	8.2	30.7	30.7	95.2	95.2	7.1		9.1		11		89				<0.2		0.8	
						4.7	0.4	304	21.2		8.2		30.7		95.2		7.1		9.2		11		89				<0.2		0.9	
					Bottom	8.4	0.3	277	21.2	21.2	8.2	8.2	30.8	30.8	96.1	96.2	7.1	7.1	12.0		10		93				<0.2		0.9	
						8.4	0.4	302	21.2		8.2		30.8		96.2		7.1		11.6		10		93				<0.2		0.8	
SR1A	Cloudy	Moderate	10:19	5.6	Surface	1.0	-	-	21.2	21.2	8.2	8.2	30.2	30.2	92.0	92.0	6.9	6.9	8.5	8.6	12	12	-	-	820067	812585	-	-	-	-
						1.0	-	-	21.2		8.2		30.2		92.0		6.9		8.5		12		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	21.2	21.2	8.2	8.2	30.3	30.3	94.3	94.6	7.0	7.1	8.7		12		-				-		-	
						4.6	-	-	21.2		8.2		30.3		94.8		7.1		8.5		13		-				-		-	
SR2	Cloudy	Moderate	10:07	4.6	Surface	1.0	0.4	301	21.1	21.1	8.2	8.2	30.7	30.7	95.7	95.7	7.1	7.1	8.1	11.2	11	10	84	86	821465	814150	<0.2	<0.2	1.2	1.0
						1.0	0.5	325	21.1		8.2		30.7		95.7		7.1		8.2		10		84				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.4	303	21.1	21.1	8.2	8.2	30.7	30.7	96.0	96.0	7.1	7.1	14.6		10		89				<0.2		0.9	
						3.6	0.4	331	21.1		8.2		30.7		96.0		7.1		13.6		10		88				<0.2		0.9	
SR3	Cloudy	Moderate	11:23	8.2	Surface	1.0	0.1	127	21.4	21.4	8.2	8.2	29.6	29.6	94.3	94.3	7.0	7.0	7.9	12.4	10	10	-	-	822136	807574	-	-	-	-
						1.0	0.1	133	21.4		8.2		29.6		94.3		7.0		7.9		10		-				-		-	
					Middle	4.1	0.2	40	21.4	21.4	8.2	8.2	29.8	29.8	94.3	94.4	7.0		10.0		9		-				-		-	
						4.1	0.2	40	21.3		8.2		29.8		94.4		7.0		10.1		10		-				-		-	
					Bottom	7.2	0.3	14	21.2	21.2	8.2	8.2	30.6	30.6	95.7	95.7	7.1	7.1	19.2		9		-				-		-	
						7.2	0.3	14	21.2		8.2		30.6		95.7		7.1		19.3		10		-				-		-	
SR4A	Fine	Calm	09:29	8.5	Surface	1.0	0.1	254	21.1	21.1	8.2	8.2	30.7	30.7	95.4	95.4	7.1	7.1	7.2	9.5	7	7	-	-	817180	807820	-	-	-	-
						1.0	0.1	268	21.1		8.2		30.7		95.4		7.1		7.3		7		-				-		-	
					Middle	4.3	0.1	260	21.1	21.1	8.2	8.2	30.7	30.7	95.3	95.3	7.1		8.9		7		-				-		-	
						4.3	0.1	268	21.1		8.2		30.7		95.3		7.1		9.3		6		-				-		-	
					Bottom	7.5	0.0	266	21.1	21.1	8.2	8.2	30.8	30.8	95.2	95.2	7.1	7.1	12.2		6		-				-		-	
						7.5	0.0	274	21.1		8.2		30.8		95.2		7.1		12.2		6		-				-		-	
SR5A	Fine	Calm	09:19	5.2	Surface	1.0	0.1	309	21.8	21.8	8.2	8.2	31.1	31.1	93.3	93.3	6.8	6.8	6.1	5.9	7	6	-	-	816604	810708	-	-	-	-
						1.0	0.1	310	21.8		8.2		31.1		93.3		6.8		6.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.0	301	21.7	21.7	8.2	8.2	31.1	31.1	93.4	93.4	6.9	6.9	5.9		6		-				-		-	
						4.2	0.0	318	21.7		8.2		31.1		93.4		6.9		5.7		5		-				-		-	
SR6	Fine	Calm	08:48	4.5	Surface	1.0	0.0	216	22.1	22.1	8.2	8.2	31.6	31.6	92.3	92.3	6.7	6.7	6.5	6.7	8	10	-	-	817890	814644	-	-	-	-
						1.0	0.0	216	22.1		8.2		31.6		92.3		6.7		6.4		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	226	22.1	22.1	8.2	8.2	31.6	31.6	92.3	92.3	6.7	6.7	6.8		11		-				-		-	
						3.5	0.0	228	22.1		8.2		31.6		92.3		6.7		6.9		11		-				-		-	
SR7	Cloudy	Moderate	09:16	14.4	Surface	1.0	0.1	222	22.1	22.1	8.2	8.2	31.6	31.6	92.5	92.5	6.7	6.7	6.1	6.8	9	8	-	-	823658	823725	-	-	-	-
						1.0	0.1	213	22.1		8.2		31.6		92.4		6.7		6.1		8		-				-		-	
					Middle	7.2	0.3	240	22.1	22.1	8.2	8.2	31.6	31.6	92.5	92.5	6.7		7.1		8		-				-		-	
						7.2	0.3	241	22.1		8.2		31.6		92.5		6.7		7.2		8		-				-		-	
					Bottom	13.4	0.3	240	22.1	22.1	8.2	8.2	31.6	31.6	92.7	92.8	6.7	6.7	7.2		9		-				-		-	
						13.4	0.3	231	22.1		8.2		31.6		92.8		6.7		7.2		8		-				-		-	
SR8	Cloudy	Moderate	10:28	4.7	Surface	1.0	-	-	21.3	21.3	8.2	8.2	30.8	30.8	95.4	95.4	7.1	7.1	8.3	9.9	7	9	-	-	820507	811646	-	-	-	-
						1.0	-	-	21.3		8.2		30.8		95.4		7.1		8.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	-	-	21.3	21.3	8.2	8.2	30.8	30.8	96.9	97.1	7.2	7.2	11.6		11		-				-		-	
						3.7	-	-	21.2		8.2		30.8		97.2		7.2		11.5		10		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	03:35	8.2	Surface	1.0	0.1	232	20.6	20.6	8.2	8.2	32.4	32.4	94.8	94.8	7.0	7.0	8.1	10.8	10	9	83	87	815613	804230	<0.2	<0.2	0.7	0.8
						1.0	0.1	232	20.6		8.2		32.4		94.8		7.0		8.1		10		84				<0.2		0.8	
					Middle	4.1	0.2	263	20.6	20.6	8.2	8.2	32.5	32.5	94.7	94.7	7.0		7.6		9		87				<0.2		0.8	
						4.1	0.3	267	20.6		8.2		32.5		94.6		7.0		7.6		9		87				<0.2		0.8	
					Bottom	7.2	0.0	278	20.6	20.6	8.1	8.1	32.5	32.5	94.6	94.6	7.0	7.0	16.4		8		91				<0.2		0.8	
						7.2	0.0	282	20.6		8.1		32.5		94.6		7.0		16.7		9		92				<0.2		0.8	
C2	Cloudy	Rough	04:44	9.5	Surface	1.0	0.2	38	20.8	20.9	8.1	8.1	32.1	32.1	96.1	96.1	7.1	7.1	6.2	8.9	8	9	91	94	825686	806921	<0.2	<0.2	0.7	0.8
						1.0	0.2	43	20.9		8.1		32.1		96.1		7.1		6.5		9		91				<0.2		0.8	
					Middle	4.8	0.1	79	20.9	20.9	8.1	8.1	32.4	32.4	96.2	96.3	7.1		9.7		8		95				<0.2		0.8	
						4.8	0.1	86	20.9		8.1		32.4		96.3		7.1		9.9		8		95				<0.2		0.9	
					Bottom	8.5	0.1	108	20.8	20.8	8.1	8.1	32.4	32.4	96.7	96.7	7.2	7.2	10.5		10		95				<0.2		0.8	
						8.5	0.1	120	20.8		8.1		32.4		96.7		7.2		10.5		11		97				<0.2		0.9	
C3	Cloudy	Moderate	03:02	9.2	Surface	1.0	0.2	97	20.9	20.9	8.1	8.1	32.8	32.8	96.5	96.5	7.1	7.1	7.5	7.8	9	11	90	94	822106	817809	<0.2	<0.2	0.9	0.8
						1.0	0.2	109	20.9		8.1		32.8		96.5		7.1		7.6		11		90				<0.2		0.8	
					Middle	4.6	0.2	111	20.9	20.9	8.1	8.1	32.8	32.8	96.5	96.6	7.1		8.1		11		94				<0.2		0.9	
						4.6	0.2	117	20.9		8.1		32.8		96.6		7.1		8.1		11		94				<0.2		0.8	
					Bottom	8.2	0.1	138	20.9	20.9	8.1	8.1	32.8	32.8	96.8	96.9	7.1	7.1	7.8		12		97				<0.2		0.8	
						8.2	0.1	152	20.9		8.1		32.8		96.9		7.1		7.9		10		97				<0.2		0.8	
IM1	Cloudy	Moderate	03:51	5.1	Surface	1.0	0.1	187	20.3	20.3	8.2	8.2	32.6	32.6	98.6	98.6	7.4	7.4	7.9	8.1	6	8	83	87	817936	807119	<0.2	<0.2	0.8	0.8
						1.0	0.1	193	20.3		8.2		32.6		98.6		7.4		8.0		7		84				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	178	20.3	20.3	8.1	8.1	32.6	32.6	98.7	98.7	7.4	7.4	8.2		9		90				<0.2		0.8	
						4.1	0.2	181	20.3		8.1		32.6		98.7		7.4		8.2		8		91				<0.2		0.9	
IM2	Cloudy	Moderate	03:58	7.4	Surface	1.0	0.2	175	20.2	20.2	8.3	8.3	32.6	32.6	98.4	98.4	7.4	7.4	8.4	9.1	11	9	85	88	818160	806158	<0.2	<0.2	0.9	0.9
						1.0	0.2	180	20.2		8.3		32.6		98.4		7.4		8.4		10		85				<0.2		0.9	
					Middle	3.7	0.1	280	20.1	20.1	8.1	8.1	32.6	32.6	98.2	98.2	7.4		9.3		8		87				<0.2		0.8	
						3.7	0.1	305	20.1		8.1		32.6		98.2		7.4		9.4		9		88				<0.2		0.9	
					Bottom	6.4	0.2	272	20.1	20.1	8.1	8.1	32.6	32.6	98.2	98.2	7.4	7.4	9.5		9		90				<0.2		0.9	
						6.4	0.2	273	20.1		8.1		32.6		98.2		7.4		9.4		8		91				<0.2		0.9	
IM3	Cloudy	Moderate	04:04	7.6	Surface	1.0	0.2	175	20.4	20.4	8.1	8.1	32.6	32.6	98.3	98.3	7.3	7.3	8.7	9.5	6	8	85	90	818774	805600	<0.2	<0.2	0.9	1.0
						1.0	0.2	175	20.4		8.1		32.6		98.3		7.3		8.7		8		86				<0.2		0.9	
					Middle	3.8	0.1	133	20.3	20.3	8.1	8.1	32.6	32.6	98.1	98.1	7.3		9.6		8		91				<0.2		1.0	
						3.8	0.1	142	20.3		8.1		32.6		98.1		7.3		9.7		7		91				<0.2		1.0	
					Bottom	6.6	0.1	110	20.3	20.3	8.1	8.1	32.6	32.6	98.0	98.0	7.3	7.3	10.2		8		93				<0.2		0.9	
						6.6	0.1	112	20.3		8.1		32.6		98.0		7.3		10.1		8		94				<0.2		1.0	
IM4	Cloudy	Moderate	04:13	7.7	Surface	1.0	0.3	210	20.9	20.9	8.1	8.1	32.5	32.5	96.0	96.0	7.1	7.1	9.9	12.4	9	9	85	88	819710	804603	<0.2	<0.2	0.8	1.0
						1.0	0.3	229	20.9		8.1		32.5		95.9		7.1		10.2		8		86				<0.2		0.9	
					Middle	3.9	0.2	227	20.9	20.9	8.1	8.1	32.5	32.5	95.8	95.9	7.1		11.6		9		88				<0.2		0.9	
						3.9	0.2	250	20.9		8.1		32.5		95.9		7.1		11.9		9		88				<0.2		1.1	
					Bottom	6.7	0.2	253	20.9	20.9	8.1	8.1	32.5	32.5	96.1	96.1	7.1	7.1	15.1		9		91				<0.2		1.1	
						6.7	0.2	224	20.9		8.1		32.5		96.1		7.1		15.6		9		91				<0.2		1.2	
IM5	Cloudy	Moderate	04:22	7.5	Surface	1.0	0.3	249	20.8	20.8	8.1	8.1	32.4	32.4	97.3	97.3	7.2	7.2	7.1	9.7	8	9	86	91	820715	804868	<0.2	<0.2	1.1	1.3
						1.0	0.4	259	20.8		8.1		32.4		97.3		7.2		7.1		8		87				<0.2		1.2	
					Middle	3.8	0.4	221	20.8	20.8	8.1	8.1	32.4	32.4	97.2	97.2	7.2		11.4		9		92				<0.2		1.3	
						3.8	0.4	228	20.8		8.1		32.4		97.2		7.2		11.5		10		92				<0.2		1.3	
					Bottom	6.5	0.1	187	20.8	20.8	8.0	8.0	32.4	32.4	97.4	97.5	7.2	7.2	10.4		10		94				<0.2		1.3	
						6.5	0.1	198	20.8		8.0		32.4		97.5		7.2		10.7		11		95				<0.2		1.6	
IM6	Cloudy	Moderate	04:31	7.8	Surface	1.0	0.5	215	20.9	20.9	8.1	8.1	32.5	32.5	96.9	96.9	7.2	7.2	8.4	8.0	8	9	87	92	821067	805843	<0.2	<0.2	1.2	1.2
						1.0	0.5	215	20.9		8.1		32.5		96.9		7.2		8.4		9		88				<0.2		1.3	
					Middle	3.9	0.3	248	20.9	20.9	8.1	8.1	32.5	32.5	96.8	96.8	7.2		8.2		8		91				<0.2		1.2	
						3.9	0.3	272	20.9		8.1		32.5		96.8		7.2		8.1		10		92				<0.2		1.2	
					Bottom	6.8	0.3	214	20.9	20.9	8.0	8.0	32.5	32.5	97.0	97.0	7.2	7.2	7.5		11		95				<0.2		1.2	
						6.8	0.3	226	20.9		8.0		32.5		97.0		7.2		7.6		9		96				<0.2		1.3	
IM7	Cloudy	Moderate	04:43	7.7	Surface	1.0	0.4	223	20.9	20.9	8.0	8.0	32.4	32.4	96.4	96.4	7.1	7.1	7.7	9.1	10	10	87	91	821325	806847	<0.2	<0.2	1.2	1.4
						1.0	0.5	229	20.9		8.0		32.4		96.4		7.1		7.7		10		87				<0.2		1.5	
					Middle	3.9	0.5	247	20.9	20.9	8.0	8.0	32.4	32.4	96.3	96.3	7.1		8.1		10		91				<0.2		1.3	
						3.9	0.5	251	20.9		8.0		32.4		96.3		7.1		8.2		9		91				<0.2		1.6	
					Bottom	6.7	0.4	251	20.9	20.9	8.0	8.0	32.4	32.4	96.4	96.5	7.1	7.1	11.4		11		94				<0.2		1.5	
						6.7	0.4	251	20.9		8.0		32.4		96.5		7.1		11.4		9		95				<0.2		1.5	
IM8	Cloudy	Moderate	04:16	7.0	Surface	1.0	0.2	63	20.9	20.9	8.1	8.1	32.5	32.5	97.2	97.2	7.2	7.2	7.9	9.0	9	9	90	95	821835	808153	<0.2	<0.2	1.6	1.7
						1.0	0.2	83	20.9		8.1		32.5		97.2		7.2		7.9		7		91				<0.2		1.6	
					Middle	3.5	0.2	59	20.9	20.9	8.1	8.1	32.5	32.5	97.2	97.3	7.2		8.7		7		95				<0.2		1.8	
						3.5	0.2	61	20.9		8.1		32.5		97.3		7.2		8.8		9		94				<0.2		1.7	
					Bottom	6.0	0.2	27	20.9	20.9	8.0	8.0	32.5	32.5	97.6	97.7	7.2	7.2	10.0		11		99				<0.2		1.6	
						6.0	0.2	26	20.9		8.0		32.5		97.7		7.2		10.4		9		99				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	04:10	6.8	Surface	1.0	0.4	48	20.8	20.8	8.2	8.2	32.4	32.4	97.7	97.8	7.2	7.3	7.2	8.1	10	10	91	95	822089	808821	<0.2	<0.2	1.6	1.7
						1.0	0.4	56	20.8		8.2		32.4		97.8		7.2		7.2		9		90				<0.2		1.6	
					Middle	3.4	0.3	54	20.8	20.8	8.2	8.2	32.4	32.4	98.0	98.0	7.3		7.8		8		95				<0.2		1.7	
						3.4	0.3	58	20.8		8.2		32.4		98.0		7.3		7.9		9		94				<0.2		1.6	
					Bottom	5.8	0.2	89	20.7	20.7	8.2	8.2	32.4	32.4	100.0	100.3	7.4	7.5	9.1		11		99				<0.2		1.8	
						5.8	0.2	101	20.7		8.2		32.4		100.5		7.5		9.1		10		99				<0.2		1.8	
IM10	Cloudy	Moderate	04:03	7.4	Surface	1.0	0.2	90	20.9	20.9	8.2	8.2	32.5	32.5	96.3	96.3	7.1	7.1	6.7	11.1	5	6	91	95	822405	809775	<0.2	<0.2	1.8	1.7
						1.0	0.2	106	20.9		8.2		32.5		96.2		7.1		6.8		5		91				<0.2		1.9	
					Middle	3.7	0.2	109	20.9	20.9	8.2	8.2	32.5	32.5	96.1	96.1	7.1		14.0		6		95				<0.2		1.6	
						3.7	0.2	114	20.9		8.2		32.5		96.1		7.1		14.4		5		94				<0.2		1.6	
					Bottom	6.4	0.2	197	20.9	20.9	8.1	8.1	32.5	32.5	96.1	96.1	7.1	7.1	12.1		7		98				<0.2		1.6	
						6.4	0.2	202	20.9		8.1		32.5		96.1		7.1		12.6		8		99				<0.2		1.7	
IM11	Cloudy	Moderate	03:52	8.7	Surface	1.0	0.3	74	20.4	20.4	8.1	8.1	32.6	32.6	98.7	98.7	7.4	7.4	9.0	10.4	8	9	90	94	822067	811452	<0.2	<0.2	1.6	1.4
						1.0	0.3	81	20.3		8.1		32.6		98.7		7.4		9.3		7		91				<0.2		1.7	
					Middle	4.4	0.3	83	20.3	20.3	8.1	8.1	32.6	32.6	98.8	98.8	7.4		11.0		12		94				<0.2		1.7	
						4.4	0.3	100	20.3		8.1		32.6		98.8		7.4		11.1		10		95				<0.2		1.7	
					Bottom	7.7	0.2	86	20.3	20.3	8.0	8.0	32.6	32.6	100.1	100.3	7.5	7.5	11.2		9		98				<0.2		0.7	
						7.7	0.2	90	20.3		8.0		32.6		100.4		7.5		11.0		8		98				<0.2		0.8	
IM12	Cloudy	Moderate	03:46	9.2	Surface	1.0	0.3	63	20.1	20.1	8.1	8.1	32.6	32.6	98.6	98.6	7.4	7.4	8.7	9.6	9	9	91	95	821441	812064	<0.2	<0.2	0.9	0.8
						1.0	0.3	71	20.1		8.1		32.6		98.6		7.4		8.9		7		90				<0.2		0.9	
					Middle	4.6	0.3	81	20.1	20.1	8.1	8.1	32.7	32.7	98.4	98.4	7.4		9.9		10		95				<0.2		0.7	
						4.6	0.3	98	20.1		8.1		32.7		98.4		7.4		9.9		9		94				<0.2		0.8	
					Bottom	8.2	0.2	89	20.1	20.1	8.0	8.0	32.7	32.7	98.5	98.5	7.4	7.4	10.1		10		99				<0.2		0.8	
						8.2	0.2	91	20.1		8.0		32.6		98.5		7.4		10.0		8		99				<0.2		0.9	
SR1A	Cloudy	Moderate	03:34	5.1	Surface	1.0	-	-	20.6	20.6	8.0	8.0	32.5	32.5	95.3	95.3	7.1	7.1	9.5	11.2	8	9	-	-	820063	812582	-	-	-	-
						1.0	-	-	20.6		8.0		32.5		95.3		7.1		10.5		7		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	20.6	20.6	8.1	8.1	32.6	32.6	95.7	95.8	7.1	7.1	12.8		10		-				-		-	
						4.1	-	-	20.6		8.1		32.6		95.8		7.1		12.1		10		-				-		-	
SR2	Cloudy	Moderate	03:23	5.0	Surface	1.0	0.2	110	20.0	20.0	8.0	8.0	32.7	32.7	98.1	98.1	7.4	7.4	8.9	9.8	7	9	90	93	821457	814150	<0.2	<0.2	0.7	0.8
						1.0	0.2	110	20.0		8.0		32.7		98.1		7.4		8.9		6		90				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	105	20.0	20.0	8.0	8.0	32.7	32.7	98.1	98.1	7.4	7.4	10.6		12		95				<0.2		1.0	
						4.0	0.2	107	20.0		8.0		32.7		98.1		7.4		10.7		11		95				<0.2		1.0	
SR3	Cloudy	Rough	04:22	8.6	Surface	1.0	0.2	219	20.8	20.8	8.1	8.1	32.4	32.4	96.8	96.8	7.2	7.2	10.7	11.5	10	10	-	-	822156	807576	-	-	-	-
						1.0	0.2	220	20.8		8.1		32.4		96.8		7.2		10.6		9		-				-		-	
					Middle	4.3	0.2	241	20.8	20.8	8.1	8.1	32.4	32.4	96.9	97.0	7.2		11.3		12		-				-		-	
						4.3	0.2	263	20.8		8.1		32.4		97.1		7.2		11.8		10		-				-		-	
					Bottom	7.6	0.1	252	20.8	20.8	8.1	8.1	32.4	32.4	98.0	98.2	7.3	7.3	12.2		10		-				-		-	
						7.6	0.1	270	20.8		8.1		32.4		98.3		7.3		12.1		11		-				-		-	
SR4A	Cloudy	Calm	03:11	7.9	Surface	1.0	0.3	52	20.0	20.0	8.1	8.1	32.7	32.7	98.2	98.2	7.4	7.4	8.5	10.1	11	10	-	-	817187	807805	-	-	-	-
						1.0	0.3	63	20.0		8.1		32.7		98.2		7.4		8.3		10		-				-		-	
					Middle	4.0	0.3	42	20.0	20.0	8.1	8.1	32.7	32.7	98.0	98.0	7.3		8.8		10		-				-		-	
						4.0	0.3	46	20.0		8.1		32.7		98.0		7.3		8.8		10		-				-		-	
					Bottom	6.9	0.2	44	20.0	20.0	8.1	8.1	32.7	32.7	98.2	98.3	7.4	7.4	13.3		10		-				-		-	
						6.9	0.2	43	20.0		8.1		32.7		98.3		7.4		13.1		8		-				-		-	
SR5A	Cloudy	Calm	02:55	4.3	Surface	1.0	0.1	93	20.9	20.9	8.2	8.2	32.8	32.8	96.5	96.5	7.1	7.1	7.4	7.4	8	10	-	-	816571	810711	-	-	-	-
						1.0	0.1	110	20.9		8.2		32.8		96.5		7.1		7.4		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	99	20.9	20.9	8.2	8.2	32.8	32.8	96.6	96.6	7.1	7.1	7.4		12		-				-		-	
						3.3	0.1	103	20.9		8.2		32.8		96.6		7.1		7.4		12		-				-		-	
SR6	Cloudy	Calm	02:30	4.5	Surface	1.0	0.1	43	21.5	21.5	8.2	8.2	33.2	33.2	96.1	96.2	7.0	7.0	4.6	4.7	13	13	-	-	817911	814663	-	-	-	-
						1.0	0.1	51	21.5		8.2		33.2		96.2		7.0		4.6		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	50	21.6	21.6	8.1	8.1	33.2	33.2	96.6	96.6	7.0	7.0	4.7		13		-				-		-	
						3.5	0.1	60	21.6		8.1		33.2		96.6		7.0		4.7		13		-				-		-	
SR7	Cloudy	Moderate	02:32	15.0	Surface	1.0	0.2	65	21.1	21.1	8.0	8.0	33.3	33.3	95.0	95.0	7.0	7.0	5.5	5.6	10	9	-	-	823651	823753	-	-	-	-
						1.0	0.3	70	21.1		8.0		33.3		95.0		7.0		5.5		9		-				-		-	
					Middle	7.5	0.1	84	21.2	21.2	8.1	8.1	33.4	33.4	95.7	95.7	7.0		5.6		8		-				-		-	
						7.5	0.2	92	21.2		8.1		33.4		95.7		7.0		5.6		9		-				-		-	
					Bottom	14.0	0.1	110	21.2	21.2	8.1	8.1	33.4	33.4	96.4	96.5	7.1	7.1	5.8		9		-				-		-	
						14.0	0.1	114	21.1		8.1		33.4		96.5		7.1		5.7		8		-				-		-	
SR8	Cloudy	Moderate	03:41	5.3	Surface	1.0	-	-	20.2	20.2	8.1	8.1	32.6	32.6	99.5	99.6	7.4	7.4	8.0	8.2	8	8	-	-	820525	811672	-	-	-	-
						1.0	-	-	20.2		8.1		32.6		99.6		7.4		8.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	20.2	20.2	8.0	8.0	32.6	32.6	101.5	101.7	7.6	7.6	8.3		8		-				-		-	
						4.3	-	-	20.2		8.0		32.6		101.8		7.6		8.4		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	11:32	8.8	Surface	1.0	0.0	90	20.4	20.4	8.1	8.1	32.0	32.0	94.6	94.6	7.1	7.1	7.0	8.3	10	10	88	92	815619	804230	<0.2	<0.2	1.1	1.0
						1.0	0.0	96	20.4		8.1		32.0		94.6		7.1		7.0		10		88				<0.2		1.1	
					Middle	4.4	0.1	88	20.4	20.4	8.1	8.1	32.0	32.0	94.7	94.8	7.1		7.8		10		91				<0.2		1.0	
						4.4	0.1	92	20.4		8.1		32.0		94.8		7.1		8.1		8		92				<0.2		0.8	
					Bottom	7.8	0.1	70	20.5	20.5	8.1	8.2	32.1	32.1	95.3	95.4	7.1	7.1	9.9		10		95				<0.2		0.9	
						7.8	0.1	75	20.4		8.2		32.1		95.4		7.1		9.8		10		95				<0.2		0.8	
C2	Cloudy	Rough	10:24	9.6	Surface	1.0	0.2	240	20.4	20.4	8.1	8.1	32.3	32.3	94.5	94.5	7.1	7.0	7.0	9.4	8	9	87	90	825669	806967	<0.2	<0.2	0.8	0.8
						1.0	0.2	256	20.4		8.1		32.3		94.5		7.0		7.3		8		86				<0.2		0.9	
					Middle	4.8	0.1	272	20.5	20.5	8.1	8.1	32.5	32.5	94.4	94.4	7.0		10.2		10		90				<0.2		0.8	
						4.8	0.2	278	20.5		8.1		32.5		94.4		7.0		10.2		12		90				<0.2		0.7	
					Bottom	8.6	0.1	285	20.4	20.4	8.1	8.1	32.5	32.5	94.4	94.4	7.0	7.0	10.7		10		95				<0.2		0.8	
						8.6	0.2	293	20.4		8.1		32.5		94.4		7.0		10.7		8		94				<0.2		0.8	
C3	Cloudy	Moderate	12:20	9.4	Surface	1.0	0.4	261	21.2	21.2	8.2	8.2	33.4	33.4	96.2	96.2	7.0	7.0	7.8	11.3	11	11	87	91	822117	817783	<0.2	<0.2	1.0	0.9
						1.0	0.4	262	21.2		8.2		33.4		96.2		7.0		8.1		10		87				<0.2		0.9	
					Middle	4.7	0.4	264	21.2	21.2	8.2	8.2	33.4	33.4	96.2	96.2	7.0		11.3		12		91				<0.2		0.8	
						4.7	0.4	289	21.2		8.2		33.4		96.2		7.0		11.5		12		91				<0.2		0.7	
					Bottom	8.4	0.3	268	21.2	21.2	8.2	8.2	33.4	33.4	96.2	96.2	7.0	7.0	14.4		12		95				<0.2		0.9	
						8.4	0.4	274	21.2		8.2		33.4		96.2		7.0		14.7		10		95				<0.2		0.8	
IM1	Cloudy	Moderate	11:16	5.3	Surface	1.0	0.1	103	20.4	20.4	8.2	8.2	32.6	32.6	98.0	98.0	7.3	7.3	8.2	9.3	9	9	88	90	817936	807115	<0.2	<0.2	0.5	0.7
						1.0	0.1	109	20.4		8.2		32.6		98.0		7.3		8.3		9		89				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	140	20.3	20.3	8.2	8.2	32.6	32.6	98.0	98.0	7.3	7.3	10.1		9		91				<0.2		0.9	
						4.3	0.1	144	20.3		8.2		32.6		98.0		7.3		10.4		7		92				<0.2		0.8	
IM2	Cloudy	Moderate	11:08	7.5	Surface	1.0	0.2	98	20.6	20.6	8.2	8.2	32.5	32.6	96.0	96.0	7.1	7.1	10.0	11.1	9	9	87	89	818159	806161	<0.2	<0.2	0.7	0.7
						1.0	0.2	106	20.6		8.2		32.6		96.0		7.1		10.1		8		88				<0.2		0.8	
					Middle	3.8	0.1	102	20.6	20.6	8.2	8.2	32.6	32.6	96.0	96.0	7.1		11.5		8		87				<0.2		0.7	
						3.8	0.1	107	20.6		8.2		32.6		96.0		7.1		11.4		8		87				<0.2		0.7	
					Bottom	6.5	0.2	85	20.4	20.4	8.2	8.2	32.6	32.6	97.1	97.2	7.2	7.2	11.8		9		92				<0.2		0.7	
						6.5	0.2	88	20.4		8.2		32.6		97.2		7.2		11.9		9		93				<0.2		0.7	
IM3	Cloudy	Rough	11:00	8.0	Surface	1.0	0.1	92	20.2	20.2	8.2	8.2	32.4	32.5	98.3	98.3	7.4	7.4	8.8	10.6	10	10	88	89	818791	805583	<0.2	<0.2	0.6	0.7
						1.0	0.1	98	20.2		8.2		32.5		98.3		7.4		8.8		9		89				<0.2		0.6	
					Middle	4.0	0.1	99	20.1	20.1	8.1	8.1	32.6	32.6	98.2	98.2	7.4		10.9		10		88				<0.2		0.7	
						4.0	0.1	101	20.1		8.1		32.6		98.2		7.4		11.0		9		88				<0.2		0.7	
					Bottom	7.0	0.1	72	20.1	20.1	8.1	8.1	32.6	32.6	98.5	98.5	7.4	7.4	12.0		10		91				<0.2		0.9	
						7.0	0.1	74	20.1		8.1		32.6		98.5		7.4		12.2		10		92				<0.2		0.8	
IM4	Cloudy	Rough	10:51	8.1	Surface	1.0	0.2	71	20.3	20.3	8.0	8.0	32.5	32.5	98.0	98.0	7.3	7.3	8.9	8.9	8	8	85	88	819718	804597	<0.2	<0.2	0.8	0.8
						1.0	0.2	74	20.3		8.0		32.5		98.0		7.3		9.0		8		84				<0.2		0.8	
					Middle	4.1	0.1	332	20.3	20.3	8.1	8.1	32.6	32.6	97.7	97.7	7.3		8.8		8		87				<0.2		0.7	
						4.1	0.1	344	20.3		8.1		32.6		97.6		7.3		8.8		8		88				<0.2		0.8	
					Bottom	7.1	0.2	338	20.3	20.3	8.0	8.0	32.6	32.6	97.2	97.2	7.3	7.3	8.9		6		91				<0.2		0.8	
						7.1	0.2	311	20.3		8.0		32.6		97.1		7.3		9.0		7		92				<0.2		0.8	
IM5	Cloudy	Rough	10:43	7.4	Surface	1.0	0.1	326	20.8	20.8	8.0	8.0	32.6	32.6	79.7	79.7	5.9	5.9	7.4	10.8	8	8	83	88	820729	804857	<0.2	<0.2	0.8	0.7
						1.0	0.1	336	20.8		8.0		32.6		79.7		5.9		7.6		7		85				<0.2		0.8	
					Middle	3.7	0.2	22	20.8	20.8	8.0	8.0	32.6	32.6	79.1	79.1	5.9		10.4		8		87				<0.2		0.7	
						3.7	0.2	23	20.8		8.0		32.6		79.1		5.9		10.6		9		88				<0.2		0.8	
					Bottom	6.4	0.2	30	20.8	20.8	8.0	8.0	32.5	32.5	79.0	79.0	5.8	5.9	14.3		7		93				<0.2		0.5	
						6.4	0.2	31	20.8		8.0		32.5		79.0		5.9		14.4		8		93				<0.2		0.5	
IM6	Cloudy	Rough	10:33	7.8	Surface	1.0	0.0	126	20.8	20.8	8.0	8.0	32.4	32.4	97.6	97.6	7.2	7.2	6.7	7.1	7	7	88	89	821071	805848	<0.2	<0.2	0.6	0.6
						1.0	0.0	127	20.8		8.0		32.4		97.6		7.2		6.7		8		89				<0.2		0.6	
					Middle	3.9	0.1	52	20.8	20.8	8.0	8.0	32.4	32.4	97.3	97.3	7.2		6.9		7		87				<0.2		0.7	
						3.9	0.2	54	20.8		8.0		32.4		97.3		7.2		7.0		8		88				<0.2		0.6	
					Bottom	6.8	0.1	44	20.8	20.8	8.0	8.0	32.5	32.5	97.2	97.2	7.2	7.2	7.6		7		91				<0.2		0.5	
						6.8	0.1	48	20.8		8.0		32.5		97.2		7.2		7.6		5		92				<0.2		0.6	
IM7	Cloudy	Rough	10:24	8.4	Surface	1.0	0.1	241	21.0	21.0	8.0	8.0	32.5	32.5	96.5	96.5	7.1	7.1	8.6	8.6	7	7	88	91	821335	806823	<0.2	<0.2	0.6	0.7
						1.0	0.1	259	21.0		8.0		32.5		96.5		7.1		8.5		7		89				<0.2		0.7	
					Middle	4.2	0.1	73	21.0	21.0	8.1	8.1	32.5	32.5	96.3	96.3	7.1		8.6		6		88				<0.2		0.6	
						4.2	0.1	77	21.0		8.1		32.5		96.3		7.1		8.5		8		89				<0.2		0.7	
					Bottom	7.4	0.1	89	21.0	21.0	8.1	8.1	32.5	32.5	96.3	96.4	7.1	7.1	8.6		7		96				<0.2		0.8	
						7.4	0.1	97	21.0		8.1		32.5		96.5		7.1		8.8		8		96				<0.2		0.7	
IM8	Cloudy	Moderate	10:49	7.5	Surface	1.0	0.1	263	20.3	20.3	8.1	8.1	32.6	32.6	96.4	96.4	7.2	7.2	7.3	7.8	7	7	88	91	821845	808144	<0.2	<0.2	0.7	0.6
						1.0	0.1	283	20.3		8.1		32.6		96.4		7.2		7.4		7		87				<0.2		0.7	
					Middle	3.8	0.1	239	20.4	20.4	8.1	8.1	32.6	32.6	95.9	95.9	7.1		7.9		7		91				<0.2		0.5	
						3.8	0.1	261	20.4		8.1		32.6		95.9		7.1		8.0		7		91				<0.2		0.6	
					Bottom	6.5	0.0	227	20.4	20.4	8.1	8.1	32.6	32.6	96.3	96.3	7.2	7.2	7.9		8		95				<0.2		0.6	
						6.5	0.0	236	20.4		8.1		32.6		96.3		7.2		8.2		7		95				<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 13 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:54	7.0	Surface	1.0	0.2	277	20.4	20.4	8.1	8.1	32.7	32.7	96.0	96.0	7.1	7.2	8.1	11.3	11	12	87	91	822084	808825	<0.2	<0.2	0.7	0.6
						1.0	0.2	285	20.4		8.1		32.7		95.9		7.1		8.1		13		87				<0.2		0.6	
					Middle	3.5	0.2	286	20.4	20.4	8.1	8.1	32.7	32.7	96.1	96.1	7.2		8.9		11		90				<0.2		0.7	
						3.5	0.2	290	20.4		8.1		32.7		96.1		7.2		8.9		11		91				<0.2		0.6	
					Bottom	6.0	0.2	299	20.3	20.3	8.1	8.1	32.7	32.7	96.7	96.7	7.2	7.2	16.6		13		94				<0.2		0.4	
						6.0	0.2	304	20.3		8.1		32.7		96.7		7.2		17.1		11		95				<0.2		0.4	
IM10	Cloudy	Moderate	11:02	8.1	Surface	1.0	0.3	303	19.9	19.9	8.2	8.2	32.7	32.7	97.1	97.1	7.3	7.3	9.3	9.7	7	7	87	91	822404	809771	<0.2	<0.2	0.5	0.7
						1.0	0.4	327	19.9		8.2		32.7		97.1		7.3		9.3		7		86				<0.2		0.6	
					Middle	4.1	0.3	314	19.9	19.9	8.1	8.1	32.7	32.7	97.4	97.4	7.3		9.8		5		91				<0.2		0.8	
						4.1	0.3	341	19.9		8.1		32.7		97.4		7.3		9.8		6		92				<0.2		0.8	
					Bottom	7.1	0.3	291	19.9	19.9	8.1	8.1	32.7	32.7	98.6	98.7	7.4	7.4	9.9		8		95				<0.2		0.8	
						7.1	0.3	307	19.9		8.1		32.7		98.7		7.4		10.0		10		96				<0.2		0.8	
IM11	Cloudy	Moderate	11:14	8.2	Surface	1.0	0.4	289	19.8	19.8	8.2	8.2	32.6	32.6	97.2	97.2	7.3	7.3	9.3	13.2	7	7	87	91	822039	811451	<0.2	<0.2	0.7	0.7
						1.0	0.4	309	19.8		8.2		32.6		97.2		7.3		9.7		6		87				<0.2		0.8	
					Middle	4.1	0.4	293	19.7	19.7	8.1	8.1	32.7	32.7	97.3	97.3	7.3		11.1		6		91				<0.2		0.7	
						4.1	0.4	305	19.7		8.1		32.7		97.3		7.3		11.3		7		91				<0.2		0.8	
					Bottom	7.2	0.3	296	19.7	19.7	8.1	8.1	32.8	32.8	98.9	99.1	7.5	7.5	19.6		8		95				<0.2		0.7	
						7.2	0.3	325	19.7		8.1		32.8		99.2		7.5		18.3		7		95				<0.2		0.7	
IM12	Cloudy	Moderate	11:22	9.4	Surface	1.0	0.4	279	20.2	20.2	8.1	8.1	32.7	32.7	94.8	94.8	7.1	7.2	10.4	11.4	11	8	86	91	821471	812055	<0.2	<0.2	0.7	0.7
						1.0	0.4	287	20.2		8.1		32.7		94.8		7.1		10.5		11		87				<0.2		0.7	
					Middle	4.7	0.4	272	20.1	20.1	8.1	8.1	32.8	32.8	95.7	95.8	7.2		12.4		7		90				<0.2		0.7	
						4.7	0.4	290	20.1		8.1		32.8		95.8		7.2		12.3		7		91				<0.2		0.6	
					Bottom	8.4	0.2	284	19.9	19.9	8.1	8.1	32.8	32.8	98.1	98.3	7.4	7.4	11.2		6		94				<0.2		0.8	
						8.4	0.2	295	19.9		8.1		32.8		98.5		7.4		11.4		8		95				<0.2		0.8	
SR1A	Cloudy	Moderate	11:41	5.3	Surface	1.0	-	-	20.0	20.0	8.1	8.1	32.1	32.1	93.7	93.7	7.1	7.1	7.8	8.9	10	10	-	-	820066	812591	-	-	-	-
						1.0	-	-	20.0		8.1		32.1		93.7		7.1		7.7		12		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	20.0	20.0	8.1	8.1	32.2	32.2	95.4	95.5	7.2	7.2	10.1		10		-				-		-	
						4.3	-	-	20.0		8.1		32.2		95.6		7.2		9.8		9		-				-		-	
SR2	Cloudy	Moderate	11:55	5.1	Surface	1.0	0.5	337	20.6	20.6	8.1	8.1	33.0	33.0	95.6	95.6	7.1	7.1	9.3	9.9	8	10	87	89	821475	814178	<0.2	<0.2	0.7	0.7
						1.0	0.5	347	20.6		8.1		33.0		95.6		7.1		9.4		10		87				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.4	337	20.6	20.6	8.1	8.1	33.0	33.0	97.6	97.7	7.2	7.2	10.4		11		90				<0.2		0.7	
						4.1	0.4	338	20.6		8.1		33.0		97.8		7.2		10.5		11		91				<0.2		0.7	
SR3	Cloudy	Rough	10:44	8.0	Surface	1.0	0.1	28	20.5	20.5	8.1	8.1	32.6	32.6	95.3	95.3	7.1	7.1	9.0	9.2	10	9	-	-	822126	807580	-	-	-	-
						1.0	0.1	30	20.5		8.1		32.6		95.3		7.1		9.0		9		-				-		-	
					Middle	4.0	0.1	40	20.5	20.5	8.1	8.1	32.6	32.6	95.2	95.2	7.1		9.1		10		-				-		-	
						4.0	0.1	43	20.5		8.1		32.6		95.2		7.1		9.2		9		-				-		-	
					Bottom	7.0	0.1	56	20.5	20.5	8.1	8.1	32.6	32.6	95.2	95.3	7.1	7.1	9.4		8		-				-		-	
						7.0	0.1	60	20.5		8.1		32.6		95.4		7.1		9.4		7		-				-		-	
SR4A	Cloudy	Calm	11:54	8.7	Surface	1.0	0.2	252	21.0	21.0	8.2	8.2	32.9	32.9	96.6	96.6	7.1	7.1	8.9	10.2	10	11	-	-	817177	807832	-	-	-	-
						1.0	0.2	273	21.0		8.2		32.9		96.6		7.1		9.1		9		-				-		-	
					Middle	4.4	0.1	242	21.1	21.1	8.2	8.2	32.9	32.9	96.7	96.8	7.1		11.3		12		-				-		-	
						4.4	0.1	246	21.1		8.1		32.9		96.8		7.1		11.5		10		-				-		-	
					Bottom	7.7	0.0	244	21.0	21.0	8.1	8.1	32.9	32.9	97.3	97.4	7.2	7.2	10.5		10		-				-		-	
						7.7	0.0	253	21.0		8.1		32.9		97.4		7.2		9.6		12		-				-		-	
SR5A	Cloudy	Calm	12:19	4.8	Surface	1.0	0.1	293	21.7	21.7	8.2	8.2	33.3	33.3	97.3	97.3	7.1	7.1	5.4	5.6	10	11	-	-	816582	810705	-	-	-	-
						1.0	0.1	310	21.7		8.2		33.3		97.3		7.1		5.5		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	299	21.7	21.7	8.2	8.2	33.3	33.3	97.3	97.3	7.1	7.1	5.8		12		-				-		-	
						3.8	0.0	303	21.7		8.2		33.3		97.3		7.1		5.7		13		-				-		-	
SR6	Cloudy	Calm	12:45	4.3	Surface	1.0	0.0	243	21.6	21.6	8.2	8.2	33.3	33.3	97.3	97.3	7.1	7.1	4.4	5.0	12	12	-	-	817876	814646	-	-	-	-
						1.0	0.0	251	21.6		8.2		33.3		97.3		7.1		4.7		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	250	21.7	21.7	8.1	8.1	33.3	33.3	97.3	97.3	7.1	7.1	5.5		11		-				-		-	
						3.3	0.0	273	21.7		8.1		33.3		97.3		7.1		5.3		13		-				-		-	
SR7	Cloudy	Moderate	12:52	16.6	Surface	1.0	0.1	219	21.2	21.2	8.1	8.1	33.4	33.4	96.3	96.3	7.0	7.1	5.3	5.4	6	9	-	-	823650	823718	-	-	-	-
						1.0	0.1	210	21.2		8.1		33.4		96.3		7.0		5.3		7		-				-		-	
					Middle	8.3	0.2	221	21.1	21.1	8.2	8.2	33.4	33.4	96.6	96.7	7.1		5.5		10		-				-		-	
						8.3	0.2	229	21.1		8.2		33.4		96.7		7.1		5.5		9		-				-		-	
					Bottom	15.6	0.2	306	21.1	21.1	8.2	8.2	33.4	33.4	97.0	97.1	7.1	7.1	5.4		9		-				-		-	
						15.6	0.2	306	21.1		8.2		33.4		97.1		7.1		5.3		10		-				-		-	
SR8	Cloudy	Moderate	11:32	4.9	Surface	1.0	-	-	20.0	20.0	8.2	8.2	32.8	32.8	96.9	96.9	7.3	7.3	8.6	8.7	11	12	-	-	820506	811641	-	-	-	-
						1.0	-	-	20.0		8.2		32.8		96.9		7.3		8.8		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	19.9	19.9	8.1	8.1	32.8	32.8	100.2	100.5	7.5	7.6	8.7		13		-				-		-	
						3.9	-	-	19.9		8.1		32.8		100.8		7.6		8.7		11		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	18:33	8.0	Surface	1.0	0.2	182	19.9	19.9	8.2	8.2	32.9	32.9	98.7	98.7	7.4	7.4	8.3	9.0	5	5	85	90	815604	804255	<0.2	<0.2	1.3	1.2
						1.0	0.2	190	19.9		8.2		32.9		98.7		7.4		8.4		4		86				<0.2		1.1	
					Middle	4.0	0.3	214	19.9	19.9	8.2	8.2	32.9	32.9	99.0	99.0	7.4		8.6		6		90				<0.2		1.0	
						4.0	0.4	219	19.9		8.2		32.9		99.0		7.4		8.6		5		90				<0.2		1.0	
					Bottom	7.0	0.4	210	19.7	19.7	8.2	8.2	33.0	33.0	98.9	98.9	7.4	7.4	10.1		4		94				<0.2		1.4	
						7.0	0.4	221	19.7		8.2		33.0		98.8		7.4		10.3		4		95				<0.2		1.4	
C2	Fine	Moderate	20:45	11.3	Surface	1.0	0.1	175	20.2	20.2	8.1	8.1	32.6	32.6	96.5	96.5	7.2	7.2	5.3	6.7	4	5	86	91	825682	806938	<0.2	<0.2	0.7	0.7
						1.0	0.1	189	20.2		8.1		32.6		96.5		7.2		5.1		4		87				<0.2		0.8	
					Middle	5.7	0.2	302	20.2	20.2	8.1	8.1	33.0	33.0	96.1	96.1	7.2		6.3		5		90				<0.2		0.6	
						5.7	0.2	329	20.2		8.1		33.0		96.1		7.2		6.3		5		90				<0.2		0.8	
					Bottom	10.3	0.3	331	20.3	20.3	8.1	8.1	33.0	33.0	96.3	96.4	7.2	7.2	8.6		5		96				<0.2		0.8	
						10.3	0.3	347	20.3		8.1		33.0		96.4		7.2		8.5		5		96				<0.2		0.7	
C3	Fine	Moderate	18:53	11.3	Surface	1.0	0.3	283	20.6	20.6	8.2	8.2	33.4	33.4	93.9	93.9	6.9	6.9	4.9	5.2	5	6	84	90	822085	817808	<0.2	<0.2	0.5	0.6
						1.0	0.3	283	20.6		8.2		33.4		93.8		6.9		4.9		6		87				<0.2		0.6	
					Middle	5.7	0.3	268	20.7	20.7	8.2	8.2	33.5	33.5	93.3	93.3	6.9		5.2		6		89				<0.2		0.5	
						5.7	0.3	290	20.7		8.2		33.5		93.3		6.9		5.3		6		90				<0.2		0.6	
					Bottom	10.3	0.3	258	20.7	20.7	8.2	8.2	33.5	33.5	93.9	93.9	6.9	6.9	5.3		5		94				<0.2		0.6	
						10.3	0.3	267	20.7		8.2		33.5		93.9		6.9		5.4		6		94				<0.2		0.6	
IM1	Fine	Moderate	18:42	5.4	Surface	1.0	0.2	12	20.3	20.3	8.1	8.1	33.0	33.0	98.9	99.0	7.4	7.4	7.3	7.5	4	5	90	92	817933	807152	<0.2	<0.2	0.7	0.7
						1.0	0.2	12	20.3		8.1		33.0		99.0		7.4		7.4		3		91				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.3	11	20.1	20.1	8.1	8.1	33.0	33.0	99.0	99.1	7.4	7.4	7.7		6		93				<0.2		0.7	
						4.4	0.4	11	20.1		8.1		33.0		99.2		7.4		7.6		6		94				<0.2		0.8	
IM2	Fine	Moderate	18:51	6.8	Surface	1.0	0.1	254	20.4	20.4	8.1	8.1	33.0	33.0	97.7	97.7	7.3	7.3	7.7	8.7	6	7	89	90	818144	806185	<0.2	<0.2	0.6	0.7
						1.0	0.1	266	20.4		8.1		33.0		97.7		7.3		7.7		6		88				<0.2		0.7	
					Middle	3.4	0.2	344	20.3	20.3	8.1	8.1	33.0	33.0	98.0	98.0	7.3		8.3		8		89				<0.2		0.7	
						3.4	0.2	316	20.3		8.1		33.0		98.0		7.3		8.5		7		90				<0.2		0.6	
					Bottom	5.8	0.3	358	20.2	20.2	8.1	8.1	33.0	33.0	98.2	98.3	7.3	7.3	10.0		8		93				<0.2		0.7	
						5.8	0.3	329	20.2		8.1		33.0		98.4		7.3		10.0		8		93				<0.2		0.6	
IM3	Fine	Moderate	18:58	7.0	Surface	1.0	0.2	240	20.6	20.6	8.1	8.1	32.9	32.9	99.0	99.0	7.3	7.3	7.4	7.6	4	5	89	94	818766	805582	<0.2	<0.2	0.6	0.6
						1.0	0.2	260	20.6		8.1		32.9		99.0		7.3		7.4		4		90				<0.2		0.6	
					Middle	3.5	0.1	336	20.4	20.4	8.1	8.1	32.9	32.9	98.5	98.5	7.3		7.6		4		93				<0.2		0.6	
						3.5	0.1	309	20.4		8.1		32.9		98.5		7.3		7.6		5		94				<0.2		0.5	
					Bottom	6.0	0.1	30	20.3	20.3	8.1	8.1	32.9	32.9	98.1	98.1	7.3	7.3	7.9		4		98				<0.2		0.5	
						6.0	0.1	31	20.3		8.1		32.9		98.1		7.3		7.9		6		99				<0.2		0.6	
IM4	Fine	Moderate	19:05	7.1	Surface	1.0	0.1	335	20.1	20.1	8.1	8.1	32.8	32.8	99.3	99.3	7.4	7.4	8.5	8.9	5	6	87	92	819748	804627	<0.2	<0.2	1.1	1.1
						1.0	0.1	335	20.1		8.1		32.8		99.3		7.4		8.5		5		88				<0.2		1.0	
					Middle	3.6	0.2	339	20.0	20.0	8.1	8.1	32.8	32.8	98.8	98.9	7.4		9.0		6		91				<0.2		1.1	
						3.6	0.2	343	20.0		8.1		32.8		98.9		7.4		8.9		5		92				<0.2		1.1	
					Bottom	6.1	0.3	36	20.0	20.0	8.1	8.1	32.8	32.8	99.0	99.0	7.4	7.4	9.3		6		97				<0.2		1.1	
						6.1	0.3	37	20.0		8.1		32.8		99.0		7.4		9.4		6		97				<0.2		1.2	
IM5	Fine	Moderate	19:26	6.4	Surface	1.0	0.4	270	20.0	20.0	8.1	8.1	32.8	32.8	98.7	98.7	7.4	7.4	12.8	15.0	9	8	87	91	820752	804856	<0.2	<0.2	0.8	1.0
						1.0	0.4	293	20.0		8.1		32.8		98.7		7.4		12.8		8		87				<0.2		0.9	
					Middle	3.2	0.2	287	20.0	20.0	8.1	8.1	32.8	32.8	98.6	98.6	7.4		14.9		7		90				<0.2		1.1	
						3.2	0.2	293	20.0		8.1		32.8		98.6		7.4		14.9		8		91				<0.2		1.0	
					Bottom	5.4	0.2	337	20.0	20.0	8.1	8.1	32.8	32.8	99.0	99.1	7.4	7.4	18.6		7		94				<0.2		1.0	
						5.4	0.2	353	20.0		8.1		32.8		99.1		7.4		16.2		6		95				<0.2		1.0	
IM6	Fine	Moderate	19:45	6.1	Surface	1.0	0.4	265	20.4	20.4	8.1	8.1	32.9	32.9	98.8	98.8	7.3	7.3	8.1	9.3	6	6	88	91	821068	805820	<0.2	<0.2	0.7	0.9
						1.0	0.4	279	20.4		8.1		32.9		98.8		7.3		8.1		6		87				<0.2		0.6	
					Middle	3.1	0.4	280	20.1	20.1	8.1	8.1	32.8	32.8	98.2	98.2	7.3		9.6		6		91				<0.2		0.7	
						3.1	0.4	302	20.1		8.1		32.8		98.2		7.3		9.5		6		92				<0.2		1.1	
					Bottom	5.1	0.3	244	20.1	20.1	8.1	8.1	32.8	32.8	98.3	98.4	7.4	7.4	10.2		6		94				<0.2		1.1	
						5.1	0.3	251	20.1		8.1		32.8		98.4		7.4		10.2		7		95				<0.2		1.2	
IM7	Fine	Moderate	20:03	7.2	Surface	1.0	0.5	254	20.2	20.3	8.1	8.1	32.9	32.9	98.3	98.3	7.3	7.3	9.2	9.6	5	6	86	91	821343	806815	<0.2	<0.2	1.0	1.1
						1.0	0.5	265	20.3		8.1		32.9		98.3		7.3		9.1		6		87				<0.2		1.1	
					Middle	3.6	0.4	277	20.2	20.2	8.1	8.1	32.8	32.8	98.1	98.1	7.3		9.4		6		90				<0.2		1.3	
						3.6	0.5	287	20.2		8.1		32.8		98.1		7.3		9.3		6		91				<0.2		1.1	
					Bottom	6.2	0.3	260	20.1	20.1	8.1	8.1	32.8	32.8	97.8	97.8	7.3	7.3	10.3		6		95				<0.2		1.0	
						6.2	0.3	278	20.1		8.1		32.8		97.8		7.3		10.3		6		95				<0.2		1.1	
IM8	Fine	Moderate	20:13	7.0	Surface	1.0	0.1	127	19.6	19.6	8.1	8.1	33.1	33.1	98.0	98.0	7.4	7.4	11.5	14.7	8	8	86	89	821820	808143	<0.2	<0.2	0.7	0.7
						1.0	0.1	139	19.6		8.1		33.1		98.0		7.4		11.5		8		87				<0.2		0.6	
					Middle	3.5	0.0	112	19.6	19.6	8.1	8.1	33.1	33.1	97.9	97.9	7.4		14.8		8		94				<0.2		0.7	
						3.5	0.0	114	19.6		8.1		33.1		97.9		7.4		15.2		8		94				<0.2		0.6	
					Bottom	6.0	0.1	143	19.6	19.6	8.1	8.1	33.1	33.1	98.4	98.5	7.4	7.4	17.6		8		85				<0.2		0.8	
						6.0	0.1	149	19.6		8.1		33.1		98.6		7.4		17.9		8		86				<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 15 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	20:08	6.8	Surface	1.0	0.2	58	19.8	19.8	8.1	8.1	33.1	33.1	98.7	98.7	7.4	7.4	6.5	7.0	6	6	90	90	822072	808807	<0.2	<0.2	0.6	0.6
						1.0	0.2	61	19.8		8.1		33.1		98.7		7.4		6.5		4		89				<0.2		0.6	
					Middle	3.4	0.1	61	19.6	19.6	8.1	8.1	33.1	33.1	98.1	98.1	7.4		6.9		6		94				<0.2		0.6	
						3.4	0.1	63	19.6		8.1		33.1		98.1		7.4		6.9		6		95				<0.2		0.6	
					Bottom	5.8	0.1	74	19.6	19.6	8.1	8.1	33.1	33.1	98.4	98.5	7.4	7.4	7.5		7		85				<0.2		0.5	
						5.8	0.1	81	19.6		8.1		33.1		98.5		7.4		7.6		7		86				<0.2		0.7	
IM10	Fine	Moderate	20:01	7.1	Surface	1.0	0.3	307	20.3	20.3	8.1	8.1	33.3	33.3	98.4	98.4	7.3	7.3	5.1	5.3	6	6	89	90	822367	809805	<0.2	<0.2	0.5	0.6
						1.0	0.3	323	20.3		8.1		33.3		98.4		7.3		5.1		6		90				<0.2		0.5	
					Middle	3.6	0.3	308	20.1	20.1	8.1	8.1	33.3	33.3	97.9	97.9	7.3		5.3		6		93				<0.2		0.6	
						3.6	0.3	314	20.1		8.1		33.3		97.8		7.3		5.3		6		93				<0.2		0.6	
					Bottom	6.1	0.3	289	19.9	19.9	8.1	8.1	33.2	33.2	97.5	97.5	7.3	7.3	5.6		5		87				<0.2		0.6	
						6.1	0.4	298	19.9		8.1		33.2		97.5		7.3		5.6		5		88				<0.2		0.6	
IM11	Fine	Moderate	19:50	8.0	Surface	1.0	0.3	286	20.1	20.1	8.1	8.1	33.4	33.3	97.0	97.0	7.2	7.3	5.5	6.7	8	9	90	91	822047	811450	<0.2	<0.2	0.6	0.6
						1.0	0.3	295	20.1		8.1		33.3		97.0		7.2		5.5		6		91				<0.2		0.6	
					Middle	4.0	0.3	282	20.0	20.0	8.1	8.1	33.3	33.3	97.2	97.3	7.3		6.2		8		95				<0.2		0.6	
						4.0	0.3	292	20.0		8.1		33.3		97.3		7.3		6.5		9		96				<0.2		0.6	
					Bottom	7.0	0.3	273	19.8	19.8	8.1	8.1	33.3	33.3	97.7	97.8	7.3	7.3	8.0		10		85				<0.2		0.5	
						7.0	0.3	290	19.8		8.1		33.3		97.9		7.3		8.3		10		86				<0.2		0.6	
IM12	Fine	Moderate	19:44	7.9	Surface	1.0	0.4	300	19.9	19.9	8.1	8.1	33.3	33.3	98.2	98.3	7.3	7.4	5.0	5.8	11	8	91	91	821450	812045	<0.2	<0.2	0.6	0.6
						1.0	0.4	312	19.9		8.1		33.3		98.3		7.4		5.0		10		92				<0.2		0.6	
					Middle	4.0	0.4	301	19.7	19.8	8.1	8.1	33.4	33.4	98.3	98.4	7.4		5.5		6		94				<0.2		0.6	
						4.0	0.4	323	19.8		8.1		33.4		98.5		7.4		5.6		6		96				<0.2		0.6	
					Bottom	6.9	0.3	298	19.5	19.5	8.1	8.1	33.4	33.4	98.5	98.6	7.4	7.4	6.9		7		86				<0.2		0.6	
						6.9	0.4	304	19.5		8.1		33.4		98.6		7.4		6.9		7		86				<0.2		0.6	
SR1A	Fine	Moderate	19:26	5.3	Surface	1.0	-	-	20.1	20.1	8.1	8.1	33.1	33.1	95.2	95.2	7.1	7.1	5.4	5.8	7	7	-	-	820066	812586	-	-	-	-
						1.0	-	-	20.1		8.1		33.1		95.2		7.1		5.4		8		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-		-	-		-		-		-				-		-	
						2.7	-	-	-		-		-				-		-		-		-				-		-	
					Bottom	4.3	-	-	20.0	20.0	8.1	8.1	33.1	33.1	96.1	96.2	7.2	7.2	6.1		6		-				-		-	
						4.3	-	-	20.0		8.1		33.1		96.3		7.2		6.3		6		-				-		-	
SR2	Fine	Moderate	19:13	3.9	Surface	1.0	0.1	126	20.1	20.1	8.2	8.2	33.3	33.3	95.4	95.4	7.1	7.1	5.2	6.1	6	8	92	93	821470	814153	<0.2	<0.2	0.6	0.6
						1.0	0.1	126	20.1		8.2		33.3		95.4		7.1		5.1		7		92				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	191	20.1	20.1	8.2	8.2	33.3	33.3	96.9	97.2	7.2	7.3	6.9		10		93				<0.2		0.6	
						2.9	0.1	210	20.1		8.2		33.3		97.4		7.3		7.0		9		93				<0.2		0.6	
SR3	Fine	Moderate	20:18	8.7	Surface	1.0	0.0	200	20.1	20.1	8.1	8.1	33.2	33.2	98.1	98.1	7.3	7.3	5.9	7.4	7	6	-	-	822162	807555	-	-	-	-
						1.0	0.0	217	20.1		8.1		33.2		98.1		7.3		6.0		6		-				-		-	
					Middle	4.4	0.1	301	19.8	19.8	8.1	8.1	33.2	33.2	97.5	97.5	7.3		7.7		6		-				-		-	
						4.4	0.1	309	19.8		8.1		33.2		97.5		7.3		7.7		6		-				-		-	
					Bottom	7.7	0.1	308	19.7	19.7	8.1	8.1	33.2	33.2	97.7	97.8	7.3	7.3	8.6		6		-				-		-	
						7.7	0.1	311	19.7		8.1		33.2		97.8		7.3		8.4		6		-				-		-	
SR4A	Fine	Calm	18:26	9.6	Surface	1.0	0.2	260	20.5	20.5	8.1	8.1	33.0	33.0	96.1	96.1	7.1	7.1	7.5	8.0	6	6	-	-	817189	807817	-	-	-	-
						1.0	0.2	273	20.5		8.1		33.0		96.1		7.1		7.5		6		-				-		-	
					Middle	4.8	0.1	262	20.5	20.5	8.1	8.1	33.0	33.0	96.3	96.3	7.1		7.5		6		-				-		-	
						4.8	0.1	286	20.5		8.1		33.0		96.3		7.2		7.5		6		-				-		-	
					Bottom	8.6	0.0	84	20.4	20.4	8.1	8.1	33.0	33.0	97.2	97.4	7.2	7.3	9.1		5		-				-		-	
						8.6	0.0	92	20.4		8.1		33.0		97.6		7.3		9.0		6		-				-		-	
SR5A	Fine	Calm	18:19	4.7	Surface	1.0	0.2	302	21.0	21.0	8.1	8.1	33.1	33.1	94.5	94.5	6.9	6.9	7.1	7.2	6	6	-	-	816573	810703	-	-	-	-
						1.0	0.2	314	21.0		8.1		33.1		94.5		6.9		7.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	310	21.1	21.1	8.1	8.1	33.1	33.1	93.9	93.9	6.9	6.9	7.3		6		-				-		-	
						3.7	0.2	328	21.1		8.1		33.1		93.9		6.9		7.3		7		-				-		-	
SR6	Fine	Calm	18:19	4.5	Surface	1.0	0.1	240	21.3	21.3	8.1	8.1	33.1	33.1	94.2	94.2	6.9	6.9	7.1	7.0	6	6	-	-	817875	814648	-	-	-	-
						1.0	0.1	249	21.3		8.1		33.1		94.2		6.9		7.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	222	21.3	21.3	8.1	8.1	33.1	33.1	94.2	94.2	6.9	6.9	6.8		6		-				-		-	
						3.5	0.0	238	21.3		8.1		33.1		94.2		6.9		6.9		6		-				-		-	
SR7	Fine	Moderate	18:24	14.6	Surface	1.0	0.1	81	20.9	20.9	8.2	8.2	33.5	33.5	93.5	93.5	6.9	6.9	4.5	4.6	5	5	-	-	823640	823748	-	-	-	-
						1.0	0.1	82	20.9		8.2		33.5		93.5		6.9		4.5		6		-				-		-	
					Middle	7.3	0.2	34	20.9	20.9	8.2	8.2	33.5	33.5	93.5	93.5	6.9		4.8		4		-				-		-	
						7.3	0.2	35	20.9		8.2		33.5		93.5		6.9		4.9		4		-				-		-	
					Bottom	13.6	0.1	35	20.9	20.9	8.1	8.1	33.5	33.5	93.7	93.7	6.9	6.9	4.6		6		-				-		-	
						13.6	0.1	37	20.9		8.1		33.5		93.7		6.9		4.6		6		-				-		-	
SR8	Fine	Moderate	19:34	3.8	Surface	1.0	-	-	19.6	19.6	8.2	8.2	33.3	33.3	98.0	98.0	7.4	7.4	6.3	7.6	6	6	-	-	820517	811644	-	-	-	-
						1.0	-	-	19.6		8.2		33.3		98.0		7.4		6.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	-	-	19.3	19.3	8.2	8.2	33.4	33.4	98.1	98.1	7.4	7.4	8.7		6		-				-		-	
						2.8	-	-	19.3		8.2		33.4		98.1		7.4		8.9		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**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	13:30	8.6	Surface	1.0	0.6	58	20.4	20.4	8.1	8.1	32.9	32.9	97.8	97.9	7.3	7.4	8.4	9.1	6	7	84	90	815637	804249	<0.2	<0.2	0.9	0.9
						1.0	0.6	59	20.4		8.2		32.9		97.9		7.3		8.3		6		85				<0.2		1.0	
					Middle	4.3	0.3	49	20.2	20.2	8.2	8.2	32.9	32.9	98.8	98.9	7.4		9.2		7		90				<0.2		0.8	
						4.3	0.3	49	20.2		8.2		32.9		98.9		7.4		9.2		6		91				<0.2		1.0	
					Bottom	7.6	0.2	40	20.1	20.2	8.2	8.1	32.9	32.9	99.3	99.4	7.4	7.4	9.8		7		93				<0.2		0.9	
						7.6	0.2	40	20.2		8.1		32.9		99.4		7.4		9.8		7		94				<0.2		1.0	
C2	Fine	Moderate	12:19	10.4	Surface	1.0	0.2	141	20.2	20.2	8.1	8.1	32.4	32.4	97.5	97.5	7.3	7.3	5.0	6.8	6	7	86	91	825686	806933	<0.2	<0.2	0.8	0.8
						1.0	0.3	154	20.2		8.1		32.4		97.4		7.3		5.0		6		86				<0.2		0.8	
					Middle	5.2	0.1	255	20.3	20.3	8.1	8.1	33.0	33.0	96.8	96.8	7.2		5.6		6		90				<0.2		0.8	
						5.2	0.1	270	20.3		8.1		33.0		96.8		7.2		5.5		5		91				<0.2		0.8	
					Bottom	9.4	0.1	282	20.2	20.2	8.1	8.1	33.2	33.2	96.4	96.5	7.2	7.2	10.0		8		96				<0.2		0.8	
						9.4	0.1	294	20.2		8.1		33.2		96.5		7.2		10.0		8		96				<0.2		0.6	
C3	Fine	Moderate	13:58	12.0	Surface	1.0	0.1	281	21.0	21.0	8.1	8.1	33.5	33.5	94.2	94.2	6.9	6.9	4.5	6.2	4	5	86	91	822091	817814	<0.2	<0.2	0.6	0.7
						1.0	0.1	288	21.0		8.1		33.5		94.1		6.9		4.6		4		88				<0.2		0.9	
					Middle	6.0	0.1	278	21.0	21.0	8.1	8.1	33.5	33.5	93.7	93.7	6.9		5.9		5		91				<0.2		0.6	
						6.0	0.1	295	21.0		8.1		33.5		93.7		6.9		6.1		5		92				<0.2		0.6	
					Bottom	11.0	0.1	266	20.9	20.9	8.1	8.1	33.5	33.5	93.7	93.7	6.9	6.9	8.0		6		94				<0.2		0.6	
						11.0	0.1	280	20.9		8.1		33.5		93.7		6.9		8.0		6		94				<0.2		0.6	
IM1	Fine	Moderate	13:11	5.1	Surface	1.0	0.1	200	20.9	20.9	8.1	8.1	33.0	33.0	95.5	95.5	7.0	7.0	10.5	13.8	7	7	87	88	817927	807132	<0.2	<0.2	1.0	1.0
						1.0	0.1	211	20.9		8.1		33.0		95.5		7.0		10.6		7		87				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	187	20.9	20.9	8.1	8.1	33.0	33.0	95.8	95.8	7.1	7.1	17.2		7		88				<0.2		1.0	
						4.1	0.1	192	20.9		8.1		33.0		95.8		7.1		16.8		7		89				<0.2		1.0	
IM2	Fine	Moderate	13:03	7.3	Surface	1.0	0.4	220	20.7	20.7	8.1	8.1	32.8	32.8	96.4	96.3	7.1	7.1	8.4	8.7	7	6	86	90	818159	806174	<0.2	<0.2	0.9	0.9
						1.0	0.4	231	20.7		8.1		32.8		96.2		7.1		8.6		7		87				<0.2		0.9	
					Middle	3.7	0.2	0	20.9	20.9	8.1	8.1	33.0	33.0	95.7	95.7	7.0		8.3		6		90				<0.2		0.9	
						3.7	0.2	0	20.9		8.1		33.0		95.7		7.0		8.5		6		91				<0.2		0.9	
					Bottom	6.3	0.1	276	21.0	21.0	8.1	8.1	33.1	33.1	95.6	95.6	7.0	7.0	9.1		6		91				<0.2		0.9	
						6.3	0.1	277	21.0		8.1		33.1		95.6		7.0		9.2		6		92				<0.2		0.9	
IM3	Fine	Moderate	12:57	7.5	Surface	1.0	0.4	209	20.4	20.4	8.2	8.2	33.0	33.0	100.4	100.4	7.5	7.5	7.4	8.0	8	7	84	89	818768	805592	<0.2	<0.2	0.9	0.9
						1.0	0.4	218	20.4		8.2		33.0		100.4		7.5		7.4		8		85				<0.2		0.9	
					Middle	3.8	0.4	211	20.1	20.1	8.2	8.2	33.0	33.0	100.0	100.0	7.5		8.0		7		89				<0.2		0.9	
						3.8	0.4	215	20.1		8.2		33.0		100.0		7.5		8.0		7		89				<0.2		0.9	
					Bottom	6.5	0.3	199	20.1	20.1	8.2	8.2	33.0	33.0	100.3	100.4	7.5	7.5	8.7		7		94				<0.2		0.9	
						6.5	0.3	216	20.1		8.2		33.0		100.5		7.5		8.7		6		94				<0.2		0.8	
IM4	Fine	Moderate	12:48	7.6	Surface	1.0	0.6	166	19.9	19.9	8.2	8.2	32.8	32.8	101.7	101.7	7.6	7.6	10.4	11.5	10	9	85	90	819707	804613	<0.2	<0.2	0.9	0.9
						1.0	0.6	171	19.9		8.2		32.8		101.7		7.6		10.3		10		86				<0.2		1.0	
					Middle	3.8	0.2	169	19.8	19.8	8.2	8.2	32.8	32.8	101.2	101.2	7.6		11.3		10		89				<0.2		1.0	
						3.8	0.3	178	19.8		8.2		32.8		101.2		7.6		11.4		9		90				<0.2		0.9	
					Bottom	6.6	0.0	71	19.8	19.8	8.2	8.2	32.9	32.9	101.5	101.6	7.6	7.6	12.8		8		94				<0.2		0.9	
						6.6	0.0	77	19.8		8.2		32.9		101.6		7.6		12.9		9		95				<0.2		0.9	
IM5	Fine	Moderate	12:40	6.9	Surface	1.0	0.5	180	20.0	20.0	8.2	8.2	32.8	32.8	102.7	102.7	7.7	7.7	11.3	12.4	11	13	86	90	820748	804857	<0.2	<0.2	1.1	1.0
						1.0	0.5	195	20.0		8.2		32.8		102.7		7.7		11.4		11		87				<0.2		1.1	
					Middle	3.5	0.4	209	19.9	19.9	8.2	8.2	32.8	32.8	102.3	102.3	7.7		12.4		12		90				<0.2		1.1	
						3.5	0.5	217	19.9		8.2		32.8		102.3		7.7		12.5		13		91				<0.2		0.9	
					Bottom	5.9	0.4	226	20.0	20.0	8.2	8.2	32.9	32.9	102.4	102.4	7.7	7.7	13.3		14		94				<0.2		1.0	
						5.9	0.4	231	20.0		8.2		32.9		102.4		7.7		13.4		14		94				<0.2		1.0	
IM6	Fine	Moderate	12:32	7.0	Surface	1.0	0.2	276	20.4	20.4	8.1	8.1	32.8	32.8	101.2	101.2	7.5	7.5	9.8	11.3	10	7	84	90	821051	805840	<0.2	<0.2	0.9	0.9
						1.0	0.2	276	20.3		8.1		32.8		101.1		7.5		10.0		10		85				<0.2		1.0	
					Middle	3.5	0.2	266	20.1	20.1	8.1	8.1	32.8	32.8	100.2	100.2	7.5		12.0		6		90				<0.2		1.0	
						3.5	0.2	287	20.1		8.1		32.8		100.1		7.5		12.0		7		92				<0.2		0.9	
					Bottom	6.0	0.2	270	20.1	20.1	8.1	8.1	32.8	32.8	100.0	100.1	7.5	7.5	12.0		5		92				<0.2		0.9	
						6.0	0.2	292	20.1		8.1		32.8		100.1		7.5		12.0		6		94				<0.2		0.9	
IM7	Fine	Moderate	12:22	8.5	Surface	1.0	0.4	215	20.3	20.4	8.1	8.1	32.8	32.8	101.3	101.4	7.5	7.5	9.7	11.0	7	8	89	94	821366	806829	<0.2	<0.2	1.0	1.0
						1.0	0.4	231	20.4		8.1		32.8		101.4		7.5		9.5		7		91				<0.2		1.0	
					Middle	4.3	0.5	227	20.1	20.1	8.1	8.1	32.8	32.8	99.7	99.7	7.5		12.1		8		95				<0.2		1.0	
						4.3	0.5	248	20.1		8.1		32.8		99.6		7.5		12.0		8		95				<0.2		1.0	
					Bottom	7.5	0.2	219	20.1	20.1	8.1	8.1	32.8	32.8	99.7	99.7	7.5	7.5	11.3		8		97				<0.2		1.1	
						7.5	0.3	238	20.1		8.1		32.8		99.7		7.5		11.4		8		98				<0.2		0.9	
IM8	Fine	Moderate	12:36	7.3	Surface	1.0	0.2	217	19.6	19.6	8.2	8.2	33.1	33.1	101.9	101.9	7.7	7.7	9.5	10.8	11	12	95	92	821828	808133	<0.2	<0.2	0.8	0.8
						1.0	0.2	225	19.6		8.2		33.1		101.9		7.7		9.6		11		96				<0.2		0.7	
					Middle	3.7	0.2	256	19.6	19.6	8.2	8.2	33.1	33.1	101.6	101.6	7.7		10.8		12		86				<0.2		0.8	
						3.7	0.2	261	19.6		8.2		33.1		101.5		7.7		11.0		13		87				<0.2		0.7	
					Bottom	6.3	0.3	223	19.6	19.6	8.2	8.2	33.2	33.2	101.6	101.7	7.7	7.7	11.9		12		94				<0.2		0.7	
						6.3	0.3	225	19.6		8.2		33.2		101.7		7.7		11.7		12		95				<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 15 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	12:42	7.1	Surface	1.0	0.3	256	19.6	19.6	8.2	8.2	33.2	33.2	100.9	100.9	7.6	7.6	8.7	10.2	10	11	95	91	822079	808797	<0.2	<0.2	0.8	0.7
						1.0	0.3	268	19.6		8.2		33.2		100.9		7.6		8.7		10		95				<0.2		0.7	
					Middle	3.6	0.2	265	19.5	19.5	8.2	8.2	33.2	33.2	100.5	100.5	7.6		9.8		10		86				<0.2		0.7	
						3.6	0.2	278	19.5		8.2		33.2		100.5		7.6		9.7		11		86				<0.2		0.8	
					Bottom	6.1	0.2	266	19.5	19.5	8.2	8.2	33.2	33.2	100.8	100.9	7.6	7.6	12.1		11		90				<0.2		0.7	
						6.1	0.2	280	19.5		8.2		33.2		100.9		7.6		12.1		11		91				<0.2		0.7	
IM10	Fine	Moderate	12:49	8.1	Surface	1.0	0.2	261	20.1	20.1	8.1	8.1	33.3	33.3	99.7	99.7	7.4	7.4	5.0	5.9	4	4	93	90	822407	809813	<0.2	<0.2	0.7	0.7
						1.0	0.2	269	20.1		8.1		33.3		99.7		7.4		5.0		4		93				<0.2		0.6	
					Middle	4.1	0.2	274	19.8	19.8	8.1	8.1	33.4	33.4	99.2	99.3	7.4		6.0		4		86				<0.2		0.7	
						4.1	0.3	281	19.8		8.1		33.4		99.3		7.4		5.9		4		87				<0.2		0.7	
					Bottom	7.1	0.2	266	19.7	19.7	8.1	8.1	33.4	33.4	99.8	99.9	7.5	7.5	6.7		5		90				<0.2		0.7	
						7.1	0.2	282	19.7		8.1		33.4		100.0		7.5		6.8		4		90				<0.2		0.6	
IM11	Fine	Moderate	13:01	7.7	Surface	1.0	0.3	259	20.4	20.4	8.1	8.1	33.1	33.1	95.7	95.6	7.1	7.1	6.4	7.5	6	7	93	90	822055	811465	<0.2	<0.2	0.6	0.6
						1.0	0.3	265	20.4		8.1		33.1		95.5		7.1		6.6		7		95				<0.2		0.6	
					Middle	3.9	0.3	260	20.6	20.6	8.1	8.1	33.4	33.4	95.1	95.1	7.0		6.3		8		84				<0.2		0.6	
						3.9	0.3	271	20.6		8.1		33.4		95.0		7.0		6.4		8		86				<0.2		0.6	
					Bottom	6.7	0.3	259	20.6	20.6	8.1	8.1	33.4	33.4	95.0	95.0	7.0	7.0	9.4		7		92				<0.2		0.6	
						6.7	0.3	261	20.6		8.1		33.4		95.0		7.0		9.9		7		92				<0.2		0.7	
IM12	Fine	Moderate	13:08	8.2	Surface	1.0	0.2	281	20.6	20.6	8.1	8.1	33.3	33.3	95.0	95.0	7.0	7.0	8.7	11.1	7	8	96	91	821456	812046	<0.2	<0.2	0.5	0.6
						1.0	0.2	287	20.6		8.1		33.3		95.0		7.0		8.6		7		96				<0.2		0.6	
					Middle	4.1	0.2	270	20.6	20.6	8.1	8.1	33.3	33.3	94.8	94.8	7.0		10.5		7		86				<0.2		0.5	
						4.1	0.2	292	20.6		8.1		33.3		94.8		7.0		10.5		7		87				<0.2		0.5	
					Bottom	7.2	0.1	340	20.6	20.6	8.1	8.1	33.3	33.3	95.2	95.3	7.0	7.1	14.2		10		90				<0.2		0.6	
						7.2	0.1	313	20.6		8.1		33.3		95.3		7.1		14.2		9		91				<0.2		0.6	
SR1A	Fine	Moderate	13:24	5.5	Surface	1.0	-	-	20.0	20.0	8.1	8.1	32.8	32.8	96.3	96.3	7.2	7.2	6.9	7.0	7	8	-	-	820072	812584	-	-	-	-
						1.0	-	-	20.0		8.1		32.8		96.3		7.2		6.9		6		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	-	20.0	20.0	8.1	8.1	32.8	32.8	97.0	97.1	7.3	7.3	7.1		9		-				-		-	
						4.5	-	-	20.0		8.1		32.8		97.1		7.3		7.1		9		-				-		-	
SR2	Fine	Moderate	13:36	4.5	Surface	1.0	0.1	307	20.5	20.5	8.1	8.1	33.3	33.3	96.3	96.3	7.1	7.1	6.0	7.2	4	5	86	89	821480	814174	<0.2	<0.2	0.5	0.6
						1.0	0.2	311	20.5		8.1		33.3		96.2		7.1		6.1		5		87				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	315	20.5	20.5	8.1	8.1	33.3	33.3	98.1	98.2	7.3	7.3	8.2		6		90				<0.2		0.7	
						3.5	0.1	319	20.5		8.1		33.3		98.3		7.3		8.4		6		91				<0.2		0.7	
SR3	Fine	Moderate	12:29	8.5	Surface	1.0	0.2	263	20.0	20.0	8.1	8.1	33.1	33.1	100.5	100.6	7.5	7.5	7.7	9.2	6	6	-	-	822149	807556	-	-	-	-
						1.0	0.2	278	20.0		8.1		33.1		100.6		7.5		7.4		7		-				-		-	
					Middle	4.3	0.2	271	19.7	19.7	8.1	8.1	33.1	33.1	99.0	99.0	7.4		10.0		6		-				-		-	
						4.3	0.2	286	19.7		8.1		33.1		99.0		7.4		10.0		5		-				-		-	
					Bottom	7.5	0.1	278	19.7	19.7	8.1	8.1	33.1	33.1	99.1	99.2	7.5	7.5	9.9		7		-				-		-	
						7.5	0.1	297	19.7		8.1		33.1		99.2		7.5		10.0		7		-				-		-	
SR4A	Fine	Calm	13:50	8.2	Surface	1.0	0.1	264	20.9	20.9	8.1	8.1	33.0	33.0	97.0	97.0	7.1	7.1	8.1	10.0	12	10	-	-	817184	807791	-	-	-	-
						1.0	0.1	264	20.9		8.1		33.0		96.9		7.1		8.1		12		-				-		-	
					Middle	4.1	0.2	277	20.8	20.8	8.1	8.1	33.0	33.0	96.6	96.7	7.1		8.6		9		-				-		-	
						4.1	0.2	281	20.8		8.1		33.0		96.7		7.1		8.7		10		-				-		-	
					Bottom	7.2	0.2	261	20.8	20.8	8.1	8.1	33.0	33.0	98.8	98.9	7.3	7.3	12.9		8		-				-		-	
						7.2	0.2	266	20.8		8.1		33.0		99.0		7.3		13.6		9		-				-		-	
SR5A	Fine	Calm	14:06	3.8	Surface	1.0	0.0	200	21.4	21.4	8.1	8.1	33.1	33.1	94.7	94.7	6.9	6.9	7.1	7.1	5	6	-	-	816577	810715	-	-	-	-
						1.0	0.0	209	21.4		8.1		33.1		94.6		6.9		7.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.0	168	21.3	21.3	8.1	8.1	33.1	33.1	94.2	94.2	6.9	6.9	7.0		5		-				-		-	
						2.8	0.0	179	21.3		8.1		33.1		94.2		6.9		7.3		6		-				-		-	
SR6	Fine	Calm	14:31	4.6	Surface	1.0	0.0	180	21.3	21.3	8.1	8.1	33.1	33.1	94.2	94.2	6.9	6.9	7.2	7.2	6	8	-	-	817908	814667	-	-	-	-
						1.0	0.0	181	21.3		8.1		33.1		94.2		6.9		7.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	104	21.3	21.3	8.1	8.1	33.1	33.1	94.1	94.1	6.9	6.9	7.2		9		-				-		-	
						3.6	0.0	104	21.3		8.1		33.1		94.0		6.9		7.2		9		-				-		-	
SR7	Fine	Moderate	14:31	14.3	Surface	1.0	0.1	82	21.0	21.0	8.1	8.1	33.5	33.5	93.6	93.6	6.9	6.9	4.7	4.9	5	6	-	-	823653	823760	-	-	-	-
						1.0	0.1	82	21.0		8.1		33.5		93.6		6.9		4.8		5		-				-		-	
					Middle	7.2	0.1	56	21.0	21.0	8.1	8.1	33.5	33.5	93.4	93.4	6.9		5.3		6		-				-		-	
						7.2	0.1	57	21.0		8.1		33.5		93.4		6.9		5.4		5		-				-		-	
					Bottom	13.3	0.0	1	21.0	21.0	8.1	8.1	33.5	33.5	93.5	93.6	6.9	6.9	4.7		6		-				-		-	
						13.3	0.0	1	21.0		8.1		33.5		93.6		6.9		4.7		6		-				-		-	
SR8	Fine	Moderate	13:16	4.5	Surface	1.0	-	-	20.1	20.1	8.1	8.1	33.2	33.2	97.2	97.3	7.3	7.3	6.1	6.6	7	7	-	-	820522	811658	-	-	-	-
						1.0	-	-	20.1		8.1		33.2		97.4		7.3		6.1		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	19.8	19.8	8.1	8.1	33.3	33.3	98.2	98.3	7.4	7.4	7.1		7		-				-		-	
						3.5	-	-	19.8		8.1		33.3		98.3		7.4		7.2		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**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	08:08	9.7	Surface	1.0	0.4	221	20.1	20.1	8.1	8.1	32.6	32.6	97.0	97.1	7.3	7.3	7.5	9.2	11	12	84	89	815623	804238	<0.2	<0.2	0.6	0.6
						1.0	0.4	223	20.1		8.1		32.6		97.1		7.3		7.5		11		84				<0.2		0.6	
					Middle	4.9	0.2	176	20.1	20.2	8.1	8.1	32.7	32.7	97.2	97.3	7.3		9.1		11		89				<0.2		0.6	
						4.9	0.3	192	20.2		8.1		32.7		97.3		7.3		9.0		11		89				<0.2		0.8	
					Bottom	8.7	0.3	170	20.2	20.2	8.1	8.1	32.8	32.8	97.5	97.6	7.3	7.3	11.2		13		93				<0.2		0.6	
						8.7	0.3	172	20.2		8.1		32.8		97.6		7.3		11.2		13		93				<0.2		0.5	
C2	Fine	Moderate	09:38	11.0	Surface	1.0	0.4	163	20.2	20.3	8.1	8.1	33.1	33.1	95.5	95.5	7.1	7.1	6.0	6.5	7	8	84	89	825687	806939	<0.2	<0.2	0.5	0.5
						1.0	0.4	168	20.3		8.1		33.1		95.4		7.1		6.1		8		84				<0.2		0.4	
					Middle	5.5	0.3	166	20.4	20.4	8.1	8.1	33.2	33.2	95.4	95.4	7.1		6.6		8		89				<0.2		0.5	
						5.5	0.3	178	20.4		8.1		33.2		95.4		7.1		6.7		8		90				<0.2		0.5	
					Bottom	10.0	0.2	162	20.4	20.4	8.1	8.1	33.2	33.2	95.5	95.5	7.1	7.1	7.0		7		93				<0.2		0.5	
						10.0	0.2	173	20.4		8.1		33.2		95.5		7.1		6.9		7		93				<0.2		0.5	
C3	Fine	Moderate	07:44	11.1	Surface	1.0	0.1	104	20.6	20.6	8.1	8.1	33.5	33.5	93.1	93.1	6.9	6.9	4.5	5.0	8	7	84	89	822123	817825	<0.2	<0.2	0.6	0.6
						1.0	0.1	107	20.6		8.1		33.5		93.1		6.9		4.6		10		84				<0.2		0.6	
					Middle	5.6	0.1	106	20.6	20.6	8.1	8.1	33.5	33.5	93.3	93.3	6.9		5.0		7		88				<0.2		0.7	
						5.6	0.1	115	20.6		8.1		33.5		93.3		6.9		4.9		7		89				<0.2		0.6	
					Bottom	10.1	0.1	76	20.6	20.6	8.1	8.1	33.5	33.5	93.8	94.0	6.9	6.9	5.4		6		93				<0.2		0.6	
						10.1	0.1	79	20.6		8.1		33.5		94.1		6.9		5.5		6		93				<0.2		0.6	
IM1	Fine	Moderate	08:15	4.2	Surface	1.0	0.2	160	19.8	19.8	8.2	8.2	32.4	32.4	99.2	99.2	7.5	7.5	6.6	7.2	8	10	85	90	817955	807119	<0.2	<0.2	0.4	0.5
						1.0	0.2	161	19.8		8.2		32.4		99.1		7.5		6.5		9		85				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	180	20.1	20.1	8.2	8.2	32.6	32.6	98.7	98.7	7.4	7.4	7.9		10		94				<0.2		0.5	
						3.2	0.1	190	20.1		8.2		32.6		98.7		7.4		7.9		11		95				<0.2		0.5	
IM2	Fine	Moderate	08:32	7.8	Surface	1.0	0.4	212	19.9	20.0	8.2	8.2	32.6	32.6	98.9	98.8	7.4	7.4	6.3	6.8	12	12	84	88	818176	806176	<0.2	<0.2	0.6	0.6
						1.0	0.5	217	20.0		8.2		32.6		98.6		7.4		6.3		13		84				<0.2		0.6	
					Middle	3.9	0.3	218	20.3	20.3	8.1	8.1	32.8	32.8	97.6	97.6	7.3		6.6		12		88				<0.2		0.5	
						3.9	0.4	233	20.3		8.1		32.8		97.6		7.3		6.6		12		88				<0.2		0.5	
					Bottom	6.8	0.2	200	20.3	20.3	8.1	8.1	32.8	32.8	97.9	98.0	7.3	7.3	7.5		12		93				<0.2		0.6	
						6.8	0.2	207	20.3		8.1		32.8		98.0		7.3		7.5		12		93				<0.2		0.5	
IM3	Fine	Moderate	08:45	7.3	Surface	1.0	0.4	216	20.0	20.0	8.2	8.2	32.6	32.6	99.7	99.7	7.5	7.5	8.6	10.4	10	11	85	90	818804	805610	<0.2	<0.2	0.4	0.5
						1.0	0.5	226	20.0		8.2		32.6		99.7		7.5		8.7		11		85				<0.2		0.4	
					Middle	3.7	0.2	190	20.0	20.0	8.2	8.2	32.6	32.6	99.5	99.5	7.5		10.8		10		91				<0.2		0.6	
						3.7	0.2	200	20.0		8.2		32.6		99.5		7.5		10.8		11		91				<0.2		0.6	
					Bottom	6.3	0.3	166	20.0	20.0	8.2	8.2	32.6	32.6	99.6	99.7	7.5	7.5	11.9		11		93				<0.2		0.6	
						6.3	0.3	180	20.0		8.2		32.6		99.7		7.5		11.9		11		93				<0.2		0.5	
IM4	Fine	Moderate	08:58	7.6	Surface	1.0	0.6	187	19.5	19.5	8.2	8.2	32.2	32.2	103.1	103.0	7.8	7.8	8.7	9.5	10	11	85	89	819738	804609	<0.2	<0.2	0.5	0.5
						1.0	0.6	202	19.5		8.2		32.2		102.9		7.8		8.8		10		85				<0.2		0.5	
					Middle	3.8	0.5	177	19.5	19.5	8.2	8.2	32.2	32.2	102.6	102.4	7.8		9.1		10		90				<0.2		0.5	
						3.8	0.5	185	19.5		8.2		32.2		102.2		7.8		9.0		11		90				<0.2		0.5	
					Bottom	6.6	0.3	152	19.5	19.5	8.2	8.2	32.2	32.2	102.1	102.2	7.8	7.8	10.8		12		93				<0.2		0.5	
						6.6	0.3	152	19.5		8.2		32.2		102.2		7.8		10.8		11		93				<0.2		0.5	
IM5	Fine	Moderate	09:05	8.3	Surface	1.0	0.7	198	19.7	19.7	8.2	8.2	32.3	32.3	102.7	102.7	7.8	7.8	8.8	9.4	7	7	85	89	820744	804885	<0.2	<0.2	0.6	0.5
						1.0	0.7	207	19.7		8.2		32.3		102.6		7.8		8.8		6		85				<0.2		0.4	
					Middle	4.2	0.6	194	19.6	19.6	8.2	8.2	32.3	32.3	101.8	101.8	7.7		9.4		7		89				<0.2		0.4	
						4.2	0.6	213	19.6		8.2		32.3		101.8		7.7		9.4		7		89				<0.2		0.4	
					Bottom	7.3	0.4	182	19.6	19.6	8.1	8.1	32.3	32.3	102.0	102.1	7.7	7.7	10.0		7		93				<0.2		0.5	
						7.3	0.4	192	19.6		8.1		32.3		102.1		7.7		10.1		7		93				<0.2		0.4	
IM6	Fine	Moderate	09:11	8.6	Surface	1.0	0.5	250	19.5	19.5	8.2	8.2	32.2	32.2	103.4	103.2	7.8	7.8	10.1	10.2	7	7	85	89	821070	805804	<0.2	<0.2	0.5	0.5
						1.0	0.5	253	19.5		8.2		32.2		103.0		7.8		10.2		7		85				<0.2		0.6	
					Middle	4.3	0.5	231	19.5	19.5	8.2	8.2	32.3	32.3	101.7	101.7	7.7		10.2		7		89				<0.2		0.5	
						4.3	0.5	243	19.5		8.2		32.3		101.6		7.7		10.2		6		89				<0.2		0.5	
					Bottom	7.6	0.3	227	19.5	19.5	8.1	8.1	32.4	32.4	101.4	101.5	7.7	7.7	10.4		7		93				<0.2		0.5	
						7.6	0.4	241	19.5		8.1		32.4		101.5		7.7		10.3		7		94				<0.2		0.5	
IM7	Fine	Moderate	09:25	7.9	Surface	1.0	0.5	213	19.6	19.6	8.2	8.1	32.2	32.2	102.5	102.5	7.8	7.8	6.3	7.6	7	7	84	89	821339	806832	<0.2	<0.2	0.6	0.5
						1.0	0.6	219	19.6		8.1		32.2		102.4		7.8		6.3		8		85				<0.2		0.4	
					Middle	4.0	0.4	235	19.6	19.6	8.1	8.1	32.3	32.3	102.0	102.1	7.7		7.5		6		89				<0.2		0.4	
						4.0	0.4	243	19.6		8.1		32.3		102.1		7.7		7.6		6		90				<0.2		0.5	
					Bottom	6.9	0.2	193	19.6	19.6	8.1	8.1	32.2	32.2	102.6	102.7	7.8	7.8	8.9		6		93				<0.2		0.6	
						6.9	0.2	205	19.6		8.1		32.2		102.8		7.8		8.9		6		94				<0.2		0.5	
IM8	Fine	Moderate	09:11	7.5	Surface	1.0	0.2	135	19.2	19.2	8.1	8.1	32.6	32.6	102.6	102.4	7.8	7.8	8.8	8.9	7	7	86	90	821844	808122	<0.2	<0.2	0.7	0.6
						1.0	0.2	139	19.2		8.1		32.6		102.2		7.8		8.8		6		86				<0.2		0.5	
					Middle	3.8	0.2	114	19.1	19.1	8.1	8.1	32.6	32.7	101.2	101.2	7.7		8.9		7		89				<0.2		0.5	
						3.8	0.2	117	19.1		8.1		32.7		101.1		7.7		9.0		7		90				<0.2		0.6	
					Bottom	6.5	0.1	104	19.1	19.1	8.1	8.1	32.7	32.7	101.0	101.1	7.7	7.7	9.0		8		93				<0.2		0.6	
						6.5	0.1	110	19.1		8.1		32.7		101.1		7.7		9.0		9		93				<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 18 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	09:05	6.8	Surface	1.0	0.2	101	19.3	19.3	8.1	8.1	32.6	32.6	102.0	102.0	7.8	7.8	7.7	8.8	5	7	84	90	822102	808833	<0.2	<0.2	0.6	0.6
						1.0	0.2	107	19.3		8.1		32.6		101.9		7.8		7.7		5		85				<0.2		0.7	
					Middle	3.4	0.2	108	19.3	19.3	8.1	8.1	32.6	32.6	101.1	101.1	7.7		8.6		7		90				<0.2		0.5	
						3.4	0.2	112	19.3		8.1		32.6		101.1		7.7		8.6		6		93				<0.2		0.7	
					Bottom	5.8	0.2	118	19.3	19.3	8.1	8.1	32.6	32.6	101.3	101.4	7.7	7.7	10.0		9		93				<0.2		0.6	
						5.8	0.2	127	19.3		8.1		32.6		101.4		7.7		10.2		8		94				<0.2		0.6	
IM10	Fine	Moderate	08:58	6.9	Surface	1.0	0.4	103	19.2	19.2	8.2	8.2	32.6	32.6	102.4	102.3	7.8	7.8	7.7	9.4	6	7	86	90	822366	809809	<0.2	<0.2	0.6	0.7
						1.0	0.4	109	19.2		8.2		32.6		102.2		7.8		7.7		7		87				<0.2		0.8	
					Middle	3.5	0.3	125	19.1	19.1	8.2	8.2	32.6	32.6	101.7	101.7	7.8		8.3		8		90				<0.2		0.5	
						3.5	0.3	126	19.1		8.2		32.6		101.6		7.7		8.2		8		90				<0.2		0.6	
					Bottom	5.9	0.3	103	19.1	19.1	8.2	8.2	32.6	32.6	101.5	101.5	7.7	7.7	12.4		7		93				<0.2		0.7	
						5.9	0.3	107	19.1		8.2		32.6		101.5		7.7		12.4		8		93				<0.2		0.7	
IM11	Fine	Moderate	08:45	7.5	Surface	1.0	0.4	130	19.6	19.6	8.1	8.1	32.9	32.9	99.1	99.1	7.5	7.5	6.5	6.9	7	7	84	89	822060	811467	<0.2	<0.2	0.7	0.7
						1.0	0.4	130	19.6		8.1		32.9		99.1		7.5		6.5		7		85				<0.2		0.7	
					Middle	3.8	0.4	114	19.7	19.7	8.1	8.1	32.9	32.9	99.0	99.0	7.5		6.6		8		89				<0.2		0.7	
						3.8	0.4	117	19.7		8.1		32.9		99.0		7.5		6.5		7		89				<0.2		0.7	
					Bottom	6.5	0.3	100	19.7	19.7	8.1	8.1	32.9	32.9	99.1	99.2	7.5	7.5	7.7		8		93				<0.2		0.6	
						6.5	0.3	106	19.7		8.1		32.9		99.2		7.5		7.7		7		93				<0.2		0.6	
IM12	Fine	Moderate	08:38	9.5	Surface	1.0	0.3	97	19.6	19.6	8.1	8.1	33.0	33.0	98.2	98.1	7.4	7.4	5.5	5.7	8	9	84	90	821452	812051	<0.2	<0.2	0.7	0.7
						1.0	0.3	97	19.6		8.1		33.0		97.9		7.4		5.5		9		85				<0.2		0.6	
					Middle	4.8	0.3	108	20.0	20.0	8.1	8.1	33.2	33.2	97.3	97.5	7.3		5.6		10		89				<0.2		0.6	
						4.8	0.3	109	20.0		8.1		33.2		97.6		7.3		5.7		9		94				<0.2		0.7	
					Bottom	8.5	0.2	122	20.0	20.0	8.1	8.1	33.2	33.2	98.7	98.9	7.4	7.4	5.9		10		93				<0.2		0.7	
						8.5	0.2	129	20.0		8.1		33.2		99.1		7.4		5.9		9		93				<0.2		0.7	
SR1A	Fine	Moderate	08:18	5.1	Surface	1.0	-	-	19.7	19.7	8.1	8.1	33.0	33.0	96.5	96.5	7.3	7.3	5.5	7.6	10	11	-	-	820072	812584	-	-	-	-
						1.0	-	-	19.7		8.1		33.0		96.5		7.3		5.5		12		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	19.9	19.9	8.1	8.1	33.1	33.1	97.0	97.5	7.3	7.4	9.7		11		-				-		-	
						4.1	-	-	19.9		8.1		33.1		98.0		7.4		9.6		10		-				-		-	
SR2	Fine	Moderate	08:06	4.9	Surface	1.0	0.3	111	20.2	20.2	8.1	8.1	33.3	33.3	93.2	93.2	6.9	6.9	4.3	5.4	11	10	84	89	821470	814184	<0.2	<0.2	0.7	0.7
						1.0	0.3	118	20.2		8.1		33.3		93.2		6.9		4.2		10		84				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	124	20.2	20.2	8.1	8.1	33.3	33.3	92.9	93.0	6.9	6.9	6.5		10		93				<0.2		0.6	
						3.9	0.2	133	20.2		8.1		33.3		93.0		6.9		6.7		9		93				<0.2		0.7	
SR3	Fine	Moderate	09:16	8.5	Surface	1.0	0.2	202	19.3	19.3	8.1	8.1	32.5	32.5	101.8	101.8	7.8	7.7	7.1	7.4	8	9	-	-	822166	807554	-	-	-	-
						1.0	0.3	218	19.3		8.1		32.6		101.7		7.7		7.2		9		-				-		-	
					Middle	4.3	0.1	221	19.2	19.2	8.1	8.1	32.6	32.6	101.4	101.4	7.7		7.5		9		-				-		-	
						4.3	0.1	239	19.2		8.1		32.6		101.4		7.7		7.5		10		-				-		-	
					Bottom	7.5	0.1	289	19.2	19.2	8.1	8.1	32.6	32.6	101.9	102.0	7.8	7.8	7.5		9		-				-		-	
						7.5	0.1	307	19.2		8.1		32.6		102.1		7.8		7.5		9		-				-		-	
SR4A	Fine	Moderate	07:35	9.5	Surface	1.0	0.2	77	20.6	20.6	8.1	8.1	33.0	33.0	93.8	93.8	6.9	6.9	6.6	7.7	10	10	-	-	817210	807821	-	-	-	-
						1.0	0.2	77	20.6		8.1		33.0		93.7		6.9		6.6		10		-				-		-	
					Middle	4.8	0.2	70	20.6	20.6	8.1	8.1	33.0	33.0	93.2	93.2	6.9		8.0		11		-				-		-	
						4.8	0.3	70	20.6		8.1		33.0		93.2		6.9		8.0		10		-				-		-	
					Bottom	8.5	0.2	71	20.6	20.6	8.1	8.1	33.0	33.0	93.3	93.4	6.9	6.9	8.6		10		-				-		-	
						8.5	0.2	77	20.6		8.1		33.0		93.4		6.9		8.6		10		-				-		-	
SR5A	Fine	Moderate	07:25	3.8	Surface	1.0	0.1	12	21.0	21.0	8.1	8.1	33.1	33.1	93.8	93.8	6.9	6.9	6.9	7.0	9	8	-	-	816569	810681	-	-	-	-
						1.0	0.1	12	21.0		8.1		33.1		93.8		6.9		6.9		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	108	21.0	21.0	8.1	8.1	33.1	33.1	94.2	94.2	6.9	6.9	7.1		7		-				-		-	
						2.8	0.1	108	21.0		8.1		33.1		94.2		6.9		7.2		7		-				-		-	
SR6	Fine	Moderate	07:12	4.2	Surface	1.0	0.1	285	21.1	21.1	8.0	8.0	33.1	33.1	92.1	92.1	6.8	6.8	6.2	6.3	10	9	-	-	817886	814648	-	-	-	-
						1.0	0.1	311	21.1		8.0		33.1		92.0		6.7		6.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	112	21.1	21.1	8.0	8.0	33.1	33.1	91.9	92.0	6.7	6.7	6.3		9		-				-		-	
						3.2	0.1	122	21.1		8.0		33.1		92.0		6.7		6.4		9		-				-		-	
SR7	Fine	Moderate	07:15	16.5	Surface	1.0	0.1	74	20.7	20.7	8.1	8.1	33.5	33.4	91.6	91.5	6.8	6.7	4.0	4.0	5	5	-	-	823641	823751	-	-	-	-
						1.0	0.1	78	20.7		8.1		33.4		91.4		6.7		4.0		5		-				-		-	
					Middle	8.3	0.1	80	20.7	20.7	8.1	8.1	33.4	33.4	91.4	91.4	6.7		4.0		5		-				-		-	
						8.3	0.2	86	20.7		8.1		33.4		91.4		6.7		4.0		4		-				-		-	
					Bottom	15.5	0.1	73	20.7	20.7	8.1	8.1	33.4	33.4	91.4	91.4	6.7	6.7	3.9		5		-				-		-	
						15.5	0.2	73	20.7		8.1		33.4		91.4		6.7		3.9		5		-				-		-	
SR8	Fine	Moderate	08:28	4.0	Surface	1.0	-	-	19.4	19.4	8.2	8.2	32.7	32.7	98.7	98.6	7.5	7.5	8.2	9.1	7	8	-	-	820486	811669	-	-	-	-
						1.0	-	-	19.4		8.2		32.7		98.5		7.5		8.2		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	19.7	19.7	8.2	8.2	32.9	32.9	98.3	98.3	7.4	7.4	10.0		9		-				-		-	
						3.0	-	-	19.7		8.2		32.9		98.3		7.4		10.0		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:55	8.5	Surface	1.0	0.2	40	19.9	19.9	8.3	8.3	32.2	32.2	106.4	106.3	8.0	8.0	9.2	10.1	7	8	84	89	815599	804239	<0.2	<0.2	0.4	0.5
						1.0	0.2	43	19.9		8.3		32.2		106.2		8.0		9.2		6		84				<0.2		0.6	
					Middle	4.3	0.1	89	19.6	19.6	8.3	8.3	32.2	32.2	104.3	103.9	7.9		10.1		8		89				<0.2		0.6	
						4.3	0.1	91	19.5		8.3		32.2		103.5		7.9		10.1		9		90				<0.2		0.5	
					Bottom	7.5	0.0	22	19.4	19.4	8.3	8.3	32.2	32.2	102.9	103.0	7.8	7.8	11.0		10		93				<0.2		0.6	
						7.5	0.0	42	19.4		8.3		32.2		103.0		7.8		11.0		9		93				<0.2		0.5	
C2	Fine	Moderate	13:54	10.4	Surface	1.0	0.4	70	20.1	20.1	8.1	8.1	33.0	33.0	96.3	96.2	7.2	7.2	5.4	6.7	4	4	85	90	825679	806924	<0.2	<0.2	0.5	0.5
						1.0	0.4	76	20.1		8.1		33.0		96.0		7.2		5.4		4		86				<0.2		0.5	
					Middle	5.2	0.3	59	20.4	20.4	8.1	8.1	33.2	33.2	95.5	95.5	7.1		7.2		4		90				<0.2		0.6	
						5.2	0.3	66	20.4		8.1		33.2		95.5		7.1		7.3		4		90				<0.2		0.6	
					Bottom	9.4	0.2	96	20.4	20.4	8.1	8.1	33.2	33.2	95.9	96.0	7.1	7.1	7.4		4		94				<0.2		0.5	
						9.4	0.3	112	20.4		8.1		33.2		96.0		7.1		7.4		4		94				<0.2		0.5	
C3	Fine	Moderate	15:33	10.5	Surface	1.0	0.3	65	21.0	21.0	8.1	8.1	33.5	33.5	95.6	95.6	7.0	7.0	4.0	4.5	4	4	85	89	822121	817794	<0.2	<0.2	0.6	0.6
						1.0	0.3	72	21.0		8.1		33.5		95.5		7.0		4.0		4		86				<0.2		0.6	
					Middle	5.3	0.2	52	20.7	20.7	8.1	8.1	33.5	33.5	94.7	94.7	7.0		4.3		3		90				<0.2		0.4	
						5.3	0.2	60	20.7		8.1		33.5		94.6		7.0		4.3		4		90				<0.2		0.5	
					Bottom	9.5	0.3	60	20.6	20.6	8.1	8.1	33.5	33.5	95.0	95.2	7.0	7.0	5.3		3		92				<0.2		0.7	
						9.5	0.3	70	20.6		8.1		33.5		95.3		7.0		5.3		3		93				<0.2		0.6	
IM1	Fine	Moderate	14:41	3.6	Surface	1.0	-	332	19.6	19.6	8.2	8.2	32.3	32.3	104.4	104.3	7.9	7.9	9.1	9.6	9	8	85	87	817936	807125	<0.2	<0.2	0.6	0.6
						1.0	-	357	19.6		8.2		32.3		104.1		7.9		9.1		8		85				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	65	19.5	19.5	8.2	8.2	32.3	32.3	103.0	103.0	7.8	7.8	10.2		8		89				<0.2		0.6	
						2.6	0.1	65	19.5		8.2		32.3		102.9		7.8		10.2		8		89				<0.2		0.6	
IM2	Fine	Moderate	14:34	8.1	Surface	1.0	0.3	70	20.3	20.3	8.2	8.2	32.5	32.5	104.3	104.0	7.8	7.6	7.9	7.9	8	8	85	89	818166	806148	<0.2	<0.2	0.6	0.7
						1.0	0.3	81	20.3		8.2		32.5		103.7		7.8		7.9		7		85				<0.2		0.7	
					Middle	4.1	0.2	80	20.4	20.4	8.1	8.1	32.6	32.6	98.6	98.5	7.3		7.9		8		89				<0.2		0.6	
						4.1	0.2	84	20.4		8.1		32.6		98.3		7.3		8.0		8		89				<0.2		0.7	
					Bottom	7.1	0.1	99	20.5	20.5	8.1	8.1	32.7	32.7	98.1	98.4	7.3	7.3	8.0		8		93				<0.2		0.6	
						7.1	0.1	105	20.5		8.1		32.7		98.6		7.3		8.0		8		93				<0.2		0.8	
IM3	Fine	Moderate	14:23	8.2	Surface	1.0	0.3	67	20.2	20.2	8.2	8.2	32.2	32.2	107.4	107.2	8.1	7.8	7.2	8.1	7	8	84	89	818795	805576	<0.2	<0.2	0.7	0.6
						1.0	0.3	69	20.1		8.2		32.2		107.0		8.0		7.2		8		84				<0.2		0.7	
					Middle	4.1	0.3	55	20.2	20.2	8.2	8.1	32.4	32.5	104.0	101.8	7.8		7.9		6		89				<0.2		0.5	
						4.1	0.3	65	20.2		8.1		32.5		99.5		7.4		8.0		8		89				<0.2		0.5	
					Bottom	7.2	0.2	51	20.3	20.3	8.1	8.1	32.6	32.6	99.7	99.7	7.4	7.4	9.1		8		93				<0.2		0.4	
						7.2	0.2	54	20.3		8.2		32.6		99.7		7.4		9.1		9		93				<0.2		0.5	
IM4	Fine	Moderate	14:17	7.3	Surface	1.0	0.6	31	19.9	19.9	8.2	8.2	32.2	32.2	108.2	108.2	8.2	8.0	7.9	8.6	6	5	85	89	819744	804591	<0.2	<0.2	0.6	0.7
						1.0	0.6	33	19.9		8.2		32.2		108.2		8.2		7.9		4		85				<0.2		0.6	
					Middle	3.7	0.5	46	19.8	19.8	8.2	8.2	32.3	32.3	103.8	103.6	7.8		8.8		5		89				<0.2		0.7	
						3.7	0.5	44	19.8		8.2		32.3		103.4		7.8		8.9		5		89				<0.2		0.6	
					Bottom	6.3	0.5	29	19.8	19.8	8.2	8.2	32.3	32.3	103.3	103.4	7.8	7.8	9.2		4		93				<0.2		0.7	
						6.3	0.5	31	19.8		8.2		32.3		103.4		7.8		9.1		4		93				<0.2		0.8	
IM5	Fine	Moderate	14:11	8.2	Surface	1.0	0.7	20	19.8	19.8	8.2	8.2	32.2	32.2	105.9	105.8	8.0	8.0	8.2	9.8	6	5	85	89	820726	804852	<0.2	<0.2	0.6	0.6
						1.0	0.7	24	19.8		8.2		32.2		105.6		8.0		8.2		7		85				<0.2		0.7	
					Middle	4.1	0.6	66	19.8	19.8	8.2	8.2	32.3	32.3	105.3	105.2	7.9		10.9		5		89				<0.2		0.7	
						4.1	0.6	63	19.8		8.2		32.3		105.1		7.9		10.9		5		89				<0.2		0.5	
					Bottom	7.2	0.5	95	19.8	19.8	8.2	8.2	32.3	32.3	104.5	104.5	7.9	7.9	10.3		4		93				<0.2		0.5	
						7.2	0.5	103	19.8		8.2		32.3		104.5		7.9		10.4		4		93				<0.2		0.5	
IM6	Fine	Moderate	14:08	7.9	Surface	1.0	0.6	75	19.7	19.7	8.2	8.2	32.2	32.2	105.0	104.7	7.9	7.9	8.2	8.6	4	5	84	89	821069	805809	<0.2	<0.2	0.5	0.5
						1.0	0.6	89	19.7		8.2		32.2		104.4		7.9		8.3		5		84				<0.2		0.5	
					Middle	4.0	0.4	61	19.7	19.7	8.2	8.2	32.2	32.3	103.9	103.3	7.9		8.4		4		89				<0.2		0.5	
						4.0	0.4	65	19.7		8.2		32.3		102.6		7.8		8.5		5		89				<0.2		0.6	
					Bottom	6.9	0.4	44	19.7	19.7	8.2	8.2	32.3	32.3	102.5	102.5	7.7	7.7	9.2		6		94				<0.2		0.5	
						6.9	0.4	41	19.7		8.2		32.3		102.4		7.7		9.3		5		94				<0.2		0.6	
IM7	Fine	Moderate	13:54	7.5	Surface	1.0	0.6	53	20.3	20.4	8.2	8.1	32.6	32.6	97.0	97.0	7.1	7.2	7.1	7.5	5	5	85	89	821326	806849	<0.2	<0.2	0.6	0.6
						1.0	0.6	55	20.4		8.1		32.6		97.0		7.2		7.2		5		85				<0.2		0.5	
					Middle	3.8	0.5	61	20.4	20.6	8.1	8.1	32.7	32.8	96.7	96.4	7.2		7.2		5		89				<0.2		0.6	
						3.8	0.6	65	20.7		8.1		32.9		96.0		7.1		7.2		4		89				<0.2		0.6	
					Bottom	6.5	0.3	79	20.7	20.7	8.1	8.1	32.9	32.9	96.1	96.3	7.1	7.1	8.1		6		94				<0.2		0.6	
						6.5	0.3	86	20.7		8.1		32.9		96.5		7.1		8.0		7		94				<0.2		0.5	
IM8	Fine	Moderate	14:11	7.3	Surface	1.0	0.1	239	19.4	19.4	8.2	8.2	32.6	32.6	105.2	105.1	8.0	8.0	8.1	8.8	7	6	85	90	821836	808128	<0.2	<0.2	0.8	0.8
						1.0	0.1	243	19.4		8.2		32.6		105.0		8.0		8.1		8		85				<0.2		0.8	
					Middle	3.7	0.1	252	19.4	19.4	8.2	8.2	32.6	32.6	104.6	104.5	7.9		8.5		6		89				<0.2		0.7	
						3.7	0.1	267	19.4		8.2		32.6		104.4		7.9		8.6		5		90				<0.2		0.8	
					Bottom	6.3	0.1	243	19.4	19.4	8.2	8.2	32.6	32.6	104.0	104.0	7.9	7.9	9.6		6		94				<0.2		0.8	
						6.3	0.1	259	19.4		8.2		32.6		103.9		7.9		9.6		6		94				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	14:16	6.8	Surface	1.0	0.1	224	19.5	19.5	8.2	8.2	32.6	32.6	107.4	107.4	8.1	8.0	6.2	7.4	6	7	85	89	822079	808822	<0.2	<0.2	0.8	0.9
						1.0	0.1	240	19.5		8.2		32.6		107.3		8.1		6.2		5		84				<0.2		0.8	
					Middle	3.4	0.0	279	19.4	19.4	8.2	8.2	32.6	32.6	102.9	102.8	7.8		7.2		6		89				<0.2		1.0	
						3.4	0.0	282	19.4		8.2		32.6		102.6		7.8		7.3		7		89				<0.2		1.0	
					Bottom	5.8	0.1	297	19.4	19.4	8.2	8.2	32.7	32.7	102.6	102.7	7.8	7.8	8.8		7		93				<0.2		0.9	
						5.8	0.1	320	19.4		8.2		32.7		102.7		7.8		8.8		8		93				<0.2		0.7	
IM10	Fine	Moderate	14:23	7.7	Surface	1.0	0.1	65	19.8	19.8	8.2	8.2	32.5	32.5	106.4	106.2	8.0	7.8	4.1	7.2	4	5	85	89	822408	809776	<0.2	<0.2	0.7	0.8
						1.0	0.1	66	19.8		8.2		32.5		106.0		8.0		4.1		6		85				<0.2		0.7	
					Middle	3.9	0.1	320	19.8	19.9	8.1	8.1	32.8	32.8	102.8	100.9	7.7		6.2		5		89				<0.2		0.9	
						3.9	0.1	320	19.9		8.1		32.9		98.9		7.4		6.2		4		90				<0.2		0.9	
					Bottom	6.7	0.0	304	20.0	20.0	8.1	8.1	33.0	33.0	99.0	99.1	7.4	7.4	11.3		6		93				<0.2		0.8	
						6.7	0.0	319	19.9		8.1		33.0		99.2		7.4		11.3		7		93				<0.2		0.8	
IM11	Fine	Moderate	14:34	7.1	Surface	1.0	-	28	19.9	19.9	8.1	8.1	32.8	32.8	103.3	101.3	7.8	7.5	6.0	6.9	4	5	85	89	822064	811445	<0.2	<0.2	0.7	0.7
						1.0	-	29	19.9		8.1		32.8		99.3		7.5		6.0		4		85				<0.2		0.6	
					Middle	3.6	0.1	327	20.0	20.0	8.1	8.1	32.9	32.9	97.8	97.7	7.3		6.3		5		89				<0.2		0.7	
						3.6	0.1	330	20.0		8.1		33.0		97.5		7.3		6.2		4		90				<0.2		0.8	
					Bottom	6.1	0.1	269	20.1	20.1	8.1	8.1	33.0	33.0	97.6	97.7	7.3	7.3	8.6		5		93				<0.2		0.9	
						6.1	0.1	271	20.1		8.1		33.0		97.7		7.3		8.6		6		93				<0.2		0.7	
IM12	Fine	Moderate	14:40	9.2	Surface	1.0	0.1	263	19.2	19.2	8.2	8.2	32.6	32.6	103.6	103.5	7.9	7.9	7.6	8.7	6	6	85	89	821456	812023	<0.2	<0.2	0.8	0.7
						1.0	0.1	272	19.2		8.2		32.6		103.3		7.9		7.6		6		85				<0.2		0.6	
					Middle	4.6	0.2	265	19.1	19.1	8.2	8.2	32.6	32.6	102.3	102.3	7.8		8.9		6		90				<0.2		0.8	
						4.6	0.2	278	19.1		8.2		32.6		102.2		7.8		9.0		6		90				<0.2		0.7	
					Bottom	8.2	0.2	277	19.1	19.1	8.2	8.2	32.6	32.6	102.1	102.1	7.8	7.8	9.4		5		93				<0.2		0.8	
						8.2	0.2	300	19.1		8.2		32.6		102.1		7.8		9.4		4		93				<0.2		0.7	
SR1A	Fine	Moderate	14:58	5.4	Surface	1.0	-	-	19.8	19.8	8.1	8.1	33.0	33.0	100.2	100.2	7.5	7.5	6.2	7.6	3	4	-	-	820065	812586	-	-	-	-
						1.0	-	-	19.8		8.1		33.0		100.1		7.5		6.3		4		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	19.8	19.8	8.1	8.1	33.0	33.0	99.9	100.0	7.5	7.5	9.0		4		-				-		-	
						4.4	-	-	19.8		8.1		33.0		100.1		7.5		8.8		3		-				-		-	
SR2	Fine	Moderate	15:10	5.1	Surface	1.0	0.2	295	20.2	20.2	8.1	8.1	33.1	33.1	100.6	100.4	7.5	7.5	4.4	4.4	5	5	85	88	821453	814188	<0.2	<0.2	0.6	0.6
						1.0	0.2	318	20.2		8.1		33.1		100.1		7.5		4.4		5		86				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	279	20.1	20.1	8.1	8.1	33.2	33.2	98.1	98.2	7.3	7.3	4.5		4		90				<0.2		0.6	
						4.1	0.2	285	20.1		8.1		33.2		98.3		7.3		4.4		4		91				<0.2		0.7	
SR3	Fine	Moderate	14:08	7.2	Surface	1.0	0.2	68	19.4	19.4	8.2	8.2	32.6	32.6	103.7	103.5	7.9	7.8	6.7	7.4	4	4	-	-	822163	807577	-	-	-	-
						1.0	0.3	69	19.4		8.2		32.6		103.2		7.8		6.8		4		-				-		-	
					Middle	3.6	0.3	88	19.4	19.4	8.2	8.2	32.6	32.6	102.1	102.0	7.8		7.7		5		-				-		-	
						3.6	0.3	90	19.4		8.2		32.7		101.9		7.7		7.6		4		-				-		-	
					Bottom	6.2	0.2	78	19.4	19.4	8.2	8.2	32.7	32.7	101.9	102.0	7.7	7.7	7.9		5		-				-		-	
						6.2	0.2	79	19.4		8.2		32.7		102.0		7.7		8.0		4		-				-		-	
SR4A	Fine	Moderate	15:10	9.5	Surface	1.0	0.6	236	20.2	20.2	8.1	8.1	32.6	32.6	101.1	101.0	7.6	7.6	7.7	9.1	12	13	-	-	817172	807797	-	-	-	-
						1.0	0.6	249	20.2		8.1		32.6		100.9		7.6		7.8		11		-				-		-	
					Middle	4.8	0.5	241	20.2	20.2	8.1	8.1	32.7	32.7	100.3	100.3	7.5		9.4		12		-				-		-	
						4.8	0.5	245	20.2		8.1		32.7		100.3		7.5		9.5		13		-				-		-	
					Bottom	8.5	0.3	256	20.2	20.2	8.1	8.1	32.7	32.7	100.5	100.6	7.5	7.5	10.2		14		-				-		-	
						8.5	0.4	259	20.2		8.1		32.7		100.7		7.5		10.2		13		-				-		-	
SR5A	Fine	Moderate	15:22	3.2	Surface	1.0	0.4	285	20.6	20.6	8.2	8.2	32.7	32.7	101.4	101.2	7.5	7.5	3.4	5.1	9	10	-	-	816584	810699	-	-	-	-
						1.0	0.4	310	20.5		8.2		32.7		100.9		7.5		3.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.2	272	20.4	20.4	8.1	8.1	32.9	32.9	98.5	98.6	7.3	7.3	6.9		11		-				-		-	
						2.2	0.2	279	20.4		8.2		32.9		98.6		7.3		6.9		11		-				-		-	
SR6	Fine	Moderate	15:34	4.3	Surface	1.0	0.3	224	21.4	21.4	8.1	8.1	33.1	33.1	96.2	96.2	7.0	7.0	5.7	5.9	8	9	-	-	817899	814639	-	-	-	-
						1.0	0.3	227	21.3		8.1		33.1		96.2		7.0		5.7		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.3	229	21.1	21.1	8.1	8.1	33.1	33.1	95.2	95.2	7.0	7.0	6.0		10		-				-		-	
						3.3	0.3	250	21.0		8.1		33.1		95.1		7.0		6.0		9		-				-		-	
SR7	Fine	Moderate	16:06	15.6	Surface	1.0	0.2	287	20.8	20.8	8.1	8.1	33.4	33.4	92.2	92.2	6.8	6.8	4.4	4.5	7	6	-	-	823618	823743	-	-	-	-
						1.0	0.2	291	20.8		8.1		33.4		92.2		6.8		4.5		8		-				-		-	
					Middle	7.8	0.3	310	20.8	20.8	8.1	8.1	33.4	33.4	92.2	92.3	6.8		4.6		5		-				-		-	
						7.8	0.3	315	20.8		8.1		33.4		92.3		6.8		4.6		6		-				-		-	
					Bottom	14.6	0.2	311	20.8	20.8	8.1	8.1	33.4	33.4	93.1	93.2	6.9	6.9	4.6		5		-				-		-	
						14.6	0.2	312	20.8		8.1		33.4		93.3		6.9		4.5		5		-				-		-	
SR8	Fine	Moderate	14:50	5.2	Surface	1.0	-	-	19.5	19.5	8.2	8.2	32.5	32.5	105.5	105.4	8.0	8.0	7.9	8.8	4	4	-	-	820496	811640	-	-	-	-
						1.0	-	-	19.5		8.2		32.5		105.3		8.0		8.0		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	19.0	19.0	8.2	8.2	32.5	32.5	102.2	102.3	7.8	7.8	9.6		6		-				-		-	
						4.2	-	-	19.0		8.2		32.5		102.3		7.8		9.6		4		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	10:26	8.8	Surface	1.0	0.2	79	20.9	20.9	8.1	8.1	32.5	32.5	106.1	106.1	7.8	7.8	9.4	11.9	6	6	86	89	815610	804244	<0.2	<0.2	1.6	1.7
						1.0	0.2	77	20.9		8.1		32.5		106.0		7.8		9.8		7		86				<0.2		1.7	
					Middle	4.4	0.2	67	20.9	20.9	8.1	8.1	32.5	32.5	105.7	105.7	7.8		14.1		6		89				<0.2		1.6	
						4.4	0.2	60	20.9		8.1		32.6		105.7		7.8		14.4		6		89				<0.2		1.8	
					Bottom	7.8	0.1	75	20.9	20.9	8.1	8.1	32.5	32.5	105.5	105.5	7.8	7.8	11.9		6		93				<0.2		1.9	
						7.8	0.1	88	20.9		8.1		32.5		105.5		7.8		11.5		6		93				<0.2		1.6	
C2	Fine	Moderate	09:15	11.1	Surface	1.0	0.3	65	21.0	21.0	8.2	8.2	30.9	30.9	104.5	104.5	7.8	7.6	7.5	9.5	6	6	82	85	825672	806930	<0.2	<0.2	0.9	0.8
						1.0	0.3	68	21.0		8.2		31.0		104.5		7.8		7.6		6		81				<0.2		0.8	
					Middle	5.6	0.2	67	20.7	20.7	8.2	8.2	32.1	32.1	99.1	99.0	7.4		8.5		6		84				<0.2		0.8	
						5.6	0.2	69	20.7		8.2		32.1		98.9		7.4		8.5		5		85				<0.2		0.9	
					Bottom	10.1	0.1	87	20.7	20.7	8.2	8.2	32.7	32.7	97.4	97.5	7.2	7.2	12.5		7		88				<0.2		0.8	
						10.1	0.1	90	20.7		8.2		32.7		97.5		7.2		12.4		7		88				<0.2		0.8	
C3	Fine	Moderate	11:13	8.4	Surface	1.0	0.5	258	20.8	20.8	8.2	8.2	32.9	32.9	99.5	99.4	7.4	7.3	7.4	9.2	8	8	85	88	822118	817813	<0.2	<0.2	0.7	0.7
						1.0	0.5	275	20.8		8.2		32.9		99.3		7.3		7.5		7		85				<0.2		0.7	
					Middle	4.2	0.4	263	20.7	20.7	8.2	8.2	32.9	32.9	97.6	97.6	7.2		8.6		9		88				<0.2		0.8	
						4.2	0.4	278	20.7		8.2		32.9		97.6		7.2		8.6		8		88				<0.2		0.7	
					Bottom	7.4	0.4	258	20.8	20.8	8.2	8.2	32.9	32.9	97.3	97.4	7.2	7.2	11.2		9		91				<0.2		0.8	
						7.4	0.4	270	20.8		8.2		32.9		97.4		7.2		11.7		8		91				<0.2		0.7	
IM1	Fine	Moderate	10:13	5.0	Surface	1.0	0.1	87	20.9	20.9	8.1	8.1	32.4	32.4	105.2	105.2	7.8	7.8	8.1	8.6	7	6	85	88	817925	807125	<0.2	<0.2	1.6	1.7
						1.0	0.1	88	20.9		8.1		32.4		105.2		7.8		8.1		6		86				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	60	20.5	20.6	8.1	8.1	32.6	32.6	102.9	103.1	7.6	7.7	9.2		6		90				<0.2		1.8	
						4.0	0.0	58	20.6		8.1		32.6		103.2		7.7		9.1		6		89				<0.2		2.0	
IM2	Fine	Moderate	10:05	7.2	Surface	1.0	0.2	70	20.8	20.8	8.1	8.1	32.4	32.5	103.8	103.7	7.7	7.7	8.7	10.4	7	8	86	89	818176	806182	<0.2	<0.2	1.6	1.6
						1.0	0.2	78	20.8		8.1		32.5		103.5		7.7		9.0		7		85				<0.2		1.6	
					Middle	3.6	0.2	76	20.6	20.6	8.1	8.1	32.6	32.6	102.2	102.2	7.6		10.7		7		88				<0.2		1.8	
						3.6	0.2	83	20.5		8.1		32.6		102.1		7.6		10.9		8		88				<0.2		1.5	
					Bottom	6.2	0.1	55	20.5	20.5	8.1	8.1	32.7	32.7	102.0	102.1	7.6	7.6	11.6		8		92				<0.2		1.6	
						6.2	0.1	60	20.5		8.1		32.7		102.1		7.6		11.6		9		92				<0.2		1.6	
IM3	Fine	Moderate	09:55	7.4	Surface	1.0	0.6	22	21.3	21.3	8.1	8.1	32.3	32.3	106.2	106.2	7.8	7.7	7.8	8.9	7	6	85	88	818805	805580	<0.2	<0.2	1.6	1.6
						1.0	0.6	23	21.3		8.1		32.3		106.1		7.8		7.9		6		85				<0.2		1.5	
					Middle	3.7	0.5	20	20.8	20.8	8.1	8.1	32.4	32.4	103.0	102.9	7.6		8.7		6		88				<0.2		1.4	
						3.7	0.5	20	20.8		8.1		32.4		102.8		7.6		8.9		6		88				<0.2		1.6	
					Bottom	6.4	0.3	27	20.6	20.6	8.1	8.1	32.4	32.4	102.2	102.2	7.6	7.6	10.0		7		91				<0.2		1.7	
						6.4	0.3	27	20.6		8.1		32.4		102.2		7.6		10.0		6		92				<0.2		1.6	
IM4	Fine	Moderate	09:32	7.5	Surface	1.0	0.6	29	20.9	20.9	8.1	8.1	32.2	32.2	105.1	105.1	7.8	7.8	8.9	9.1	6	6	85	88	819733	804597	<0.2	<0.2	2.0	1.6
						1.0	0.7	30	20.9		8.1		32.2		105.0		7.8		8.9		6		85				<0.2		1.6	
					Middle	3.8	0.4	16	20.8	20.8	8.1	8.1	32.3	32.3	104.5	104.5	7.7		9.0		6		88				<0.2		1.6	
						3.8	0.4	17	20.8		8.1		32.3		104.4		7.7		9.0		5		88				<0.2		1.5	
					Bottom	6.5	0.3	340	20.8	20.8	8.1	8.1	32.3	32.3	104.1	104.2	7.7	7.7	9.4		6		91				<0.2		1.5	
						6.5	0.3	355	20.8		8.1		32.3		104.3		7.7		9.3		6		91				<0.2		1.5	
IM5	Fine	Moderate	09:32	6.4	Surface	1.0	0.6	355	21.1	21.1	8.1	8.1	32.1	32.1	105.6	105.5	7.8	7.8	9.4	10.5	4	5	85	88	820742	804876	<0.2	<0.2	1.6	1.6
						1.0	0.7	327	21.0		8.1		32.1		105.4		7.8		9.5		4		85				<0.2		1.6	
					Middle	3.2	0.5	342	20.8	20.8	8.1	8.1	32.3	32.3	103.9	103.9	7.7		10.9		5		88				<0.2		1.6	
						3.2	0.6	315	20.7		8.1		32.3		103.9		7.7		10.9		5		89				<0.2		1.7	
					Bottom	5.4	0.4	350	20.7	20.8	8.1	8.1	32.3	32.3	103.9	104.0	7.7	7.7	11.2		4		91				<0.2		1.6	
						5.4	0.4	322	20.8		8.1		32.3		104.1		7.7		11.0		5		92				<0.2		1.6	
IM6	Fine	Moderate	09:21	6.7	Surface	1.0	0.3	77	20.8	20.8	8.1	8.1	32.2	32.2	104.9	104.8	7.8	7.8	8.3	9.8	6	7	84	88	821058	805815	<0.2	<0.2	1.5	1.6
						1.0	0.4	83	20.7		8.1		32.2		104.7		7.8		8.4		7		84				<0.2		1.6	
					Middle	3.4	0.6	65	20.7	20.7	8.1	8.1	32.3	32.3	103.8	103.8	7.7		9.1		8		87				<0.2		1.6	
						3.4	0.6	67	20.6		8.1		32.3		103.7		7.7		9.4		7		88				<0.2		1.6	
					Bottom	5.7	0.3	89	20.6	20.6	8.1	8.1	32.4	32.4	103.4	103.4	7.7	7.7	11.8		8		91				<0.2		1.6	
						5.7	0.3	95	20.6		8.1		32.4		103.4		7.7		11.9		8		91				<0.2		1.8	
IM7	Fine	Moderate	09:10	8.0	Surface	1.0	0.3	92	20.9	20.9	8.1	8.1	31.1	31.1	102.7	102.6	7.7	7.6	7.4	8.2	6	7	84	87	821363	806852	<0.2	<0.2	1.6	1.6
						1.0	0.3	101	20.8		8.1		31.1		102.5		7.6		7.5		5		83				<0.2		1.5	
					Middle	4.0	0.4	91	20.7	20.7	8.1	8.1	31.7	31.7	100.2	100.1	7.5		8.2		7		87				<0.2		1.3	
						4.0	0.4	93	20.7		8.1		31.8		99.9		7.4		8.3		7		87				<0.2		1.6	
					Bottom	7.0	0.3	96	20.7	20.7	8.1	8.1	32.4	32.4	99.0	99.1	7.3	7.4	8.9		9		90				<0.2		1.8	
						7.0	0.3	96	20.7		8.1		32.4		99.2		7.4		8.9		10		90				<0.2		1.8	
IM8	Fine	Moderate	09:40	7.3	Surface	1.0	0.2	255	21.0	21.0	8.2	8.2	32.2	32.2	105.1	105.0	7.8	7.8	10.0	10.9	3	5	83	86	821827	808148	<0.2	<0.2	0.8	0.8
						1.0	0.2	272	21.0		8.2		32.2		104.9		7.8		10.1		4		83				<0.2		0.9	
					Middle	3.7	0.2	265	20.7	20.7	8.2	8.2	32.3	32.3	103.4	103.4	7.7		11.4		5		86				<0.2		0.8	
						3.7	0.3	270	20.7		8.2		32.3		103.3		7.7		11.4		5		86				<0.2		0.8	
					Bottom	6.3	0.2	254	20.7	20.7	8.2	8.2	32.4	32.4	102.6	102.6	7.6	7.6	11.3		6		89				<0.2		0.8	
						6.3	0.2	256	20.7		8.2		32.4		102.5		7.6		11.2		5		89				<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 20 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	09:46	6.8	Surface	1.0	0.2	276	21.0	21.0	8.2	8.2	32.2	32.2	105.3	105.3	7.8	7.8	9.1	9.3	6	6	83	86	822083	808810	<0.2	<0.2	0.8	0.9
						1.0	0.2	287	21.0		8.2		32.2		105.3		7.8		9.1		5		83				<0.2		1.0	
					Middle	3.4	0.3	272	20.8	20.8	8.2	8.2	32.3	32.3	103.4	103.4	7.7		9.4		6		86				<0.2		0.8	
						3.4	0.3	281	20.8		8.2		32.3		103.3		7.7		9.4		6		87				<0.2		0.8	
					Bottom	5.8	0.2	275	20.8	20.8	8.2	8.2	32.3	32.3	102.1	102.1	7.6	7.6	9.5		6		90				<0.2		0.9	
						5.8	0.3	286	20.8		8.2		32.3		102.0		7.6		9.5		6		89				<0.2		0.8	
IM10	Fine	Moderate	09:56	8.2	Surface	1.0	0.3	286	21.3	21.3	8.2	8.2	32.3	32.3	105.6	105.6	7.8	7.7	7.9	9.7	8	7	84	87	822407	809800	<0.2	<0.2	0.8	0.8
						1.0	0.3	287	21.3		8.2		32.3		105.6		7.8		7.9		7		84				<0.2		0.9	
					Middle	4.1	0.3	294	20.6	20.6	8.2	8.2	32.4	32.4	101.0	101.0	7.5		10.7		7		87				<0.2		0.9	
						4.1	0.3	302	20.6		8.2		32.4		100.9		7.5		10.8		8		87				<0.2		0.8	
					Bottom	7.2	0.2	305	20.6	20.6	8.2	8.2	32.4	32.4	100.3	100.3	7.5	7.5	10.5		6		90				<0.2		0.7	
						7.2	0.3	329	20.6		8.2		32.4		100.3		7.5		10.6		5		90				<0.2		0.8	
IM11	Fine	Moderate	10:08	8.0	Surface	1.0	0.3	283	20.9	20.9	8.2	8.2	32.4	32.4	104.4	104.3	7.7	7.7	8.3	10.5	5	5	84	87	822073	811452	<0.2	<0.2	0.8	0.9
						1.0	0.3	307	20.9		8.2		32.4		104.2		7.7		8.4		6		84				<0.2		0.9	
					Middle	4.0	0.3	286	20.6	20.6	8.3	8.3	32.6	32.6	101.8	101.8	7.6		11.0		5		87				<0.2		0.9	
						4.0	0.3	288	20.5		8.3		32.6		101.8		7.6		11.2		4		87				<0.2		0.8	
					Bottom	7.0	0.2	281	20.5	20.5	8.3	8.3	32.7	32.7	101.1	101.1	7.5	7.5	12.0		6		90				<0.2		0.9	
						7.0	0.3	297	20.5		8.3		32.7		101.0		7.5		11.8		6		90				<0.2		0.8	
IM12	Fine	Moderate	10:16	8.1	Surface	1.0	0.4	280	20.8	20.8	8.3	8.3	32.5	32.5	103.6	103.5	7.7	7.7	8.7	11.7	7	7	84	87	821455	812046	<0.2	<0.2	0.9	0.9
						1.0	0.4	302	20.7		8.3		32.6		103.3		7.7		8.9		7		84				<0.2		0.8	
					Middle	4.1	0.5	287	20.4	20.4	8.3	8.3	32.8	32.8	101.6	101.6	7.6		10.3		7		87				<0.2		0.9	
						4.1	0.5	295	20.4		8.3		32.8		101.5		7.6		10.3		7		87				<0.2		0.9	
					Bottom	7.1	0.4	291	20.4	20.4	8.3	8.3	32.8	32.8	101.1	101.1	7.5	7.5	15.7		8		90				<0.2		0.9	
						7.1	0.4	314	20.4		8.3		32.8		101.1		7.5		16.4		7		91				<0.2		0.8	
SR1A	Fine	Moderate	10:38	5.4	Surface	1.0	-	-	20.6	20.6	8.3	8.3	32.7	32.7	104.6	104.6	7.8	7.8	8.9	9.3	6	6	-	-	820064	812588	-	-	-	-
						1.0	-	-	20.6		8.3		32.7		104.5		7.8		8.9		5		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	20.5	20.5	8.3	8.3	32.7	32.7	103.0	102.9	7.7	7.7	9.6		6		-				-		-	
						4.4	-	-	20.5		8.3		32.7		102.8		7.6		9.6		6		-				-		-	
SR2	Fine	Moderate	10:51	4.4	Surface	1.0	0.0	328	20.6	20.6	8.3	8.3	32.8	32.8	102.8	102.8	7.6	7.6	10.6	11.2	6	7	83	86	821467	814145	<0.2	<0.2	0.7	0.7
						1.0	0.0	330	20.6		8.3		32.8		102.7		7.6		10.7		5		83				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	294	20.6	20.6	8.3	8.3	32.8	32.8	101.7	101.7	7.5	7.5	11.6		9		90				<0.2		0.7	
						3.4	0.0	294	20.6		8.3		32.8		101.6		7.5		11.7		9		89				<0.2		0.7	
SR3	Fine	Moderate	09:33	8.1	Surface	1.0	0.2	25	21.0	21.0	8.2	8.2	32.0	32.0	106.3	106.3	7.9	7.8	8.0	10.1	6	5	-	-	822167	807562	-	-	-	-
						1.0	0.2	34	20.9		8.2		32.0		106.2		7.9		8.0		4		-				-		-	
					Middle	4.1	0.2	60	20.6	20.6	8.2	8.2	32.4	32.4	102.8	102.8	7.6		9.2		6		-				-		-	
						4.1	0.2	63	20.6		8.2		32.4		102.8		7.6		9.4		5		-				-		-	
					Bottom	7.1	0.2	63	20.5	20.5	8.2	8.2	32.5	32.5	102.1	102.1	7.6	7.6	13.0		5		-				-		-	
						7.1	0.2	70	20.5		8.2		32.5		102.1		7.6		12.8		6		-				-		-	
SR4A	Fine	Calm	10:50	9.3	Surface	1.0	0.3	245	20.6	20.6	8.1	8.1	32.8	32.8	103.3	103.3	7.7	7.7	10.6	10.9	8	7	-	-	817204	807818	-	-	-	-
						1.0	0.3	261	20.6		8.1		32.8		103.3		7.7		10.7		8		-				-		-	
					Middle	4.7	0.3	244	20.6	20.6	8.1	8.1	32.8	32.8	103.0	103.0	7.6		10.9		8		-				-		-	
						4.7	0.3	258	20.6		8.1		32.8		103.0		7.6		11.0		8		-				-		-	
					Bottom	8.3	0.2	250	20.6	20.6	8.1	8.1	32.8	32.8	102.9	102.9	7.6	7.6	11.1		6		-				-		-	
						8.3	0.2	264	20.6		8.1		32.8		102.9		7.6		11.1		6		-				-		-	
SR5A	Fine	Calm	11:06	3.8	Surface	1.0	0.2	276	20.8	20.8	8.1	8.1	32.9	32.9	99.4	99.3	7.3	7.3	7.4	7.9	8	9	-	-	816598	810708	-	-	-	-
						1.0	0.2	302	20.8		8.1		32.9		99.1		7.3		7.6		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	301	20.8	20.8	8.1	8.1	32.9	32.9	99.3	99.4	7.3	7.4	8.4		9		-				-		-	
						2.8	0.2	326	20.8		8.1		32.9		99.5		7.4		8.1		9		-				-		-	
SR6	Fine	Calm	11:33	4.4	Surface	1.0	0.2	260	21.2	21.2	8.0	8.0	33.1	33.1	91.6	91.6	6.7	6.7	9.0	8.6	5	7	-	-	817917	814678	-	-	-	-
						1.0	0.2	271	21.2		8.0		33.1		91.6		6.7		9.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	266	21.2	21.2	8.0	8.0	33.1	33.1	91.4	91.4	6.7	6.7	8.0		8		-				-		-	
						3.4	0.2	288	21.2		8.0		33.1		91.4		6.7		8.0		8		-				-		-	
SR7	Fine	Moderate	11:47	15.3	Surface	1.0	0.2	246	21.2	21.2	8.2	8.2	33.1	33.1	91.6	91.6	6.7	6.7	8.0	8.1	7	7	-	-	823625	823757	-	-	-	-
						1.0	0.2	249	21.2		8.2		33.1		91.6		6.7		8.0		6		-				-		-	
					Middle	7.7	0.2	239	21.2	21.2	8.2	8.2	33.1	33.1	91.9	92.0	6.7		8.4		6		-				-		-	
						7.7	0.2	240	21.2		8.2		33.1		92.0		6.7		8.4		6		-				-		-	
					Bottom	14.3	0.2	241	21.2	21.2	8.2	8.2	33.1	33.1	92.8	92.9	6.8	6.8	7.9		7		-				-		-	
						14.3	0.2	243	21.2		8.2		33.1		93.0		6.8		7.9		7		-				-		-	
SR8	Fine	Moderate	10:28	5.2	Surface	1.0	-	-	20.9	20.9	8.3	8.3	32.5	32.5	105.8	105.8	7.8	7.8	9.3	10.6	8	8	-	-	820519	811668	-	-	-	-
						1.0	-	-	20.9		8.3		32.5		105.8		7.8		9.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	20.9	20.9	8.3	8.3	32.5	32.5	103.7	103.7	7.7	7.7	11.9		9		-				-		-	
						4.2	-	-	20.9		8.3		32.5		103.7		7.7		11.7		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	16:15	8.2	Surface	1.0	0.3	220	21.0	21.0	8.1	8.1	32.7	32.7	103.9	103.8	7.6	7.6	11.3	12.3	5	6	85	89	815603	804261	<0.2	<0.2	0.8	0.8
						1.0	0.3	239	21.0		8.1		32.7		103.7		7.6		11.3		6		85				<0.2		0.9	
					Middle	4.1	0.3	211	20.5	20.5	8.2	8.2	32.8	32.8	102.1	101.9	7.6		11.4		5		89				<0.2		0.7	
						4.1	0.3	216	20.5		8.2		32.8		101.7		7.6		11.3		6		88				<0.2		0.9	
					Bottom	7.2	0.3	214	20.6	20.6	8.2	8.2	32.8	32.7	95.7	95.5	7.1	7.1	14.4		5		93				<0.2		0.8	
						7.2	0.3	219	20.6		8.2		32.7		95.3		7.1		14.3		6		93				<0.2		0.8	
C2	Fine	Moderate	17:52	10.9	Surface	1.0	0.3	177	21.0	21.0	8.2	8.2	30.9	30.9	102.8	102.6	7.7	7.5	7.5	9.0	8	7	82	85	825701	806942	<0.2	<0.2	1.4	1.6
						1.0	0.4	193	20.9		8.2		30.9		102.4		7.6		7.5		7		82				<0.2		1.6	
					Middle	5.5	0.2	186	20.7	20.7	8.2	8.2	32.2	32.2	98.2	98.2	7.3		8.7		7		85				<0.2		1.6	
						5.5	0.2	195	20.7		8.2		32.2		98.1		7.3		8.8		7		85				<0.2		1.6	
					Bottom	9.9	0.1	303	20.7	20.7	8.2	8.2	32.6	32.6	97.2	97.3	7.2	7.2	10.7		6		89				<0.2		1.7	
						9.9	0.1	311	20.7		8.2		32.6		97.3		7.2		10.6		6		88				<0.2		1.4	
C3	Fine	Moderate	15:41	9.4	Surface	1.0	0.1	71	20.6	20.6	8.2	8.2	32.9	32.8	101.2	101.1	7.5	7.5	7.9	8.6	5	5	85	88	822105	817812	<0.2	<0.2	1.0	1.1
						1.0	0.2	76	20.6		8.2		32.8		101.0		7.5		8.1		5		85				<0.2		1.1	
					Middle	4.7	0.2	94	20.5	20.5	8.2	8.2	32.8	32.8	99.9	99.9	7.4		8.9		5		88				<0.2		1.1	
						4.7	0.2	96	20.5		8.2		32.8		99.8		7.4		8.9		5		87				<0.2		1.1	
					Bottom	8.4	0.2	107	20.5	20.5	8.2	8.2	32.8	32.8	99.7	99.7	7.4	7.4	8.9		6		91				<0.2		1.0	
						8.4	0.2	112	20.5		8.2		32.8		99.7		7.4		9.0		5		91				<0.2		1.0	
IM1	Fine	Moderate	16:33	4.4	Surface	1.0	0.2	180	20.7	20.7	8.1	8.1	32.5	32.5	104.4	104.4	7.7	7.7	8.8	9.6	11	11	84	86	817942	807137	<0.2	<0.2	0.6	0.6
						1.0	0.2	180	20.7		8.1		32.5		104.3		7.7		8.9		11		85				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	191	20.6	20.6	8.1	8.1	32.6	32.6	103.4	103.4	7.7	7.7	10.3		10		87				<0.2		0.7	
						3.4	0.2	191	20.6		8.1		32.6		103.4		7.7		10.5		10		87				<0.2		0.6	
IM2	Fine	Moderate	16:46	6.6	Surface	1.0	0.3	190	20.7	20.7	8.1	8.1	32.3	32.3	104.2	104.1	7.7	7.7	8.4	9.2	7	7	84	89	818163	806176	<0.2	<0.2	0.7	0.7
						1.0	0.4	197	20.7		8.1		32.3		103.9		7.7		8.5		8		85				<0.2		0.7	
					Middle	3.3	0.3	200	20.5	20.5	8.1	8.1	32.5	32.5	102.9	102.9	7.7		9.5		8		89				<0.2		0.7	
						3.3	0.3	207	20.5		8.1		32.5		102.8		7.7		9.7		6		88				<0.2		0.6	
					Bottom	5.6	0.2	188	20.6	20.6	8.1	8.1	32.5	32.4	103.4	103.5	7.7	7.7	9.7		6		93				<0.2		0.7	
						5.6	0.2	204	20.6		8.1		32.4		103.6		7.7		9.5		6		93				<0.2		0.6	
IM3	Fine	Moderate	16:55	6.8	Surface	1.0	0.2	182	20.6	20.6	8.1	8.1	32.3	32.3	102.0	102.0	7.6	7.6	9.9	11.0	8	7	84	88	818781	805599	<0.2	<0.2	0.6	0.7
						1.0	0.2	189	20.6		8.1		32.4		101.9		7.6		10.1		7		84				<0.2		0.6	
					Middle	3.4	0.2	193	20.5	20.5	8.1	8.1	32.5	32.5	100.8	100.7	7.5		11.5		8		89				<0.2		0.7	
						3.4	0.2	208	20.5		8.1		32.5		100.6		7.5		11.5		7		89				<0.2		0.6	
					Bottom	5.8	0.2	191	20.4	20.5	8.1	8.1	32.5	32.5	100.6	100.7	7.5	7.5	11.5		7		92				<0.2		0.7	
						5.8	0.2	204	20.5		8.1		32.5		100.7		7.5		11.5		6		92				<0.2		0.7	
IM4	Fine	Moderate	17:06	7.1	Surface	1.0	0.5	184	20.8	20.8	8.1	8.1	32.3	32.3	103.6	103.6	7.7	7.7	8.8	12.5	4	5	84	88	819728	804604	<0.2	<0.2	0.9	0.9
						1.0	0.5	189	20.8		8.1		32.3		103.5		7.7		9.0		5		84				<0.2		0.9	
					Middle	3.6	0.4	187	20.5	20.5	8.1	8.1	32.4	32.4	102.3	102.3	7.6		11.7		4		87				<0.2		0.8	
						3.6	0.4	196	20.5		8.1		32.4		102.2		7.6		11.9		5		88				<0.2		0.8	
					Bottom	6.1	0.3	199	20.5	20.5	8.1	8.1	32.5	32.4	102.2	102.3	7.6	7.6	16.2		4		92				<0.2		0.9	
						6.1	0.4	210	20.5		8.1		32.4		102.3		7.6		17.2		5		92				<0.2		0.9	
IM5	Fine	Moderate	17:18	6.5	Surface	1.0	0.5	195	20.9	20.9	8.1	8.1	32.3	32.3	104.5	104.5	7.7	7.7	8.5	9.2	5	6	83	88	820737	804884	<0.2	<0.2	0.8	0.8
						1.0	0.6	203	20.9		8.1		32.3		104.5		7.7		8.6		6		84				<0.2		0.7	
					Middle	3.3	0.4	182	20.8	20.8	8.1	8.1	32.3	32.3	103.9	103.9	7.7		9.1		5		88				<0.2		0.8	
						3.3	0.4	185	20.7		8.1		32.3		103.8		7.7		9.2		6		88				<0.2		0.8	
					Bottom	5.5	0.3	192	20.6	20.6	8.1	8.1	32.4	32.4	103.2	103.3	7.7	7.7	9.8		6		91				<0.2		0.8	
						5.5	0.3	192	20.6		8.1		32.4		103.3		7.7		9.7		6		92				<0.2		0.8	
IM6	Fine	Moderate	17:30	6.3	Surface	1.0	0.3	210	20.8	20.8	8.1	8.1	32.4	32.4	104.2	104.1	7.7	7.7	8.7	9.1	5	5	83	87	821045	805817	<0.2	<0.2	0.8	0.8
						1.0	0.4	214	20.7		8.1		32.4		104.0		7.7		8.8		5		83				<0.2		0.7	
					Middle	3.2	0.3	225	20.5	20.5	8.1	8.1	32.5	32.5	103.0	103.0	-		9.2		5		87				<0.2		0.7	
						3.2	0.3	226	20.5		8.1		32.5		103.0		-		9.3		6		88				<0.2		0.9	
					Bottom	5.3	0.2	241	20.5	20.5	8.1	8.1	32.5	32.5	103.0	103.0	7.7	7.7	9.4		5		91				<0.2		0.8	
						5.3	0.2	246	20.5		8.1		32.5		103.0		7.7		9.4		4		91				<0.2		0.8	
IM7	Fine	Moderate	17:39	7.8	Surface	1.0	0.4	219	21.0	21.0	8.1	8.1	30.8	30.8	103.8	103.8	7.7	7.6	7.4	8.2	6	7	82	86	821325	806829	<0.2	<0.2	1.0	0.8
						1.0	0.4	222	21.0		8.1		30.8		103.8		7.7		7.5		5		83				<0.2		0.7	
					Middle	3.9	0.3	237	20.7	20.7	8.1	8.1	31.6	31.6	99.8	99.7	7.4		8.3		7		85				<0.2		0.8	
						3.9	0.4	246	20.7		8.1		31.7		99.6		7.4		8.3		7		86				<0.2		0.8	
					Bottom	6.8	0.2	233	20.7	20.7	8.1	8.1	32.4	32.4	98.6	98.7	7.3	7.3	8.8		7		90				<0.2		0.8	
						6.8	0.2	236	20.7		8.1		32.4		98.7		7.3		8.9		7		90				<0.2		0.7	
IM8	Fine	Moderate	17:19	7.0	Surface	1.0	0.2	207	20.8	20.8	8.2	8.2	32.3	32.3	103.9	103.9	7.7	7.7	9.1	11.5	6	6	82	86	821814	808143	<0.2	<0.2	1.5	1.5
						1.0	0.3	223	20.8		8.2		32.3		103.8		7.7		9.2		5		83				<0.2		1.4	
					Middle	3.5	0.2	225	20.6	20.6	8.2	8.2	32.4	32.4	102.8	102.8	7.6		10.5		6		86				<0.2		1.5	
						3.5	0.2	227	20.6		8.2		32.4		102.7		7.6		10.8		7		86				<0.2		1.6	
					Bottom	6.0	0.2	233	20.6	20.6	8.2	8.2	32.4	32.4	101.5	101.4	7.5	7.5	13.8		5		90				<0.2		1.5	
						6.0	0.2	236	20.6		8.2		32.4		101.3		7.5		15.3		4		89				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	17:10	6.5	Surface	1.0	0.2	176	20.9	20.9	8.2	8.2	32.2	32.2	104.0	104.0	7.7	7.7	8.4	10.8	5	7	83	86	822076	808824	<0.2	<0.2	1.6	1.5
						1.0	0.2	177	20.9		8.2		32.2		104.0		7.7		8.5		5		83				<0.2		1.5	
					Middle	3.3	0.1	189	20.6	20.6	8.2	8.2	32.4	32.4	102.4	102.4	7.6		10.1		8		86				<0.2		1.5	
						3.3	0.1	207	20.6		8.2		32.4		102.3		7.6		10.4		9		86				<0.2		1.4	
					Bottom	5.5	0.1	198	20.8	20.9	8.2	8.2	32.2	32.2	100.1	100.2	7.4	7.4	13.6		6		89				<0.2		1.4	
						5.5	0.1	212	21.0		8.2		32.1		100.2		7.4		13.5		7		89				<0.2		1.5	
IM10	Fine	Moderate	17:01	6.7	Surface	1.0	0.2	149	20.7	20.7	8.2	8.2	32.3	32.3	102.7	102.7	7.6	7.6	8.5	10.4	6	7	83	86	822404	809817	<0.2	<0.2	1.0	1.3
						1.0	0.2	152	20.7		8.2		32.3		102.7		7.6		8.5		6		83				<0.2		1.0	
					Middle	3.4	0.1	120	20.5	20.5	8.2	8.2	32.4	32.4	101.3	101.2	7.5		11.1		7		86				<0.2		1.0	
						3.4	0.1	124	20.5		8.2		32.4		101.1		7.5		11.2		7		86				<0.2		1.6	
					Bottom	5.7	0.1	76	20.5	20.5	8.2	8.2	32.5	32.5	100.3	100.3	7.5	7.5	11.6		7		89				<0.2		1.6	
						5.7	0.1	80	20.5		8.2		32.5		100.3		7.5		11.5		7		89				<0.2		1.6	
IM11	Fine	Moderate	16:49	7.4	Surface	1.0	0.2	124	20.7	20.7	8.2	8.2	32.3	32.3	104.2	104.1	7.7	7.7	8.5	9.1	6	6	83	87	822035	811468	<0.2	<0.2	1.0	1.0
						1.0	0.2	136	20.7		8.2		32.3		104.0		7.7		8.5		5		84				<0.2		1.0	
					Middle	3.7	0.2	112	20.5	20.5	8.2	8.2	32.4	32.4	102.9	102.9	7.7		9.3		6		87				<0.2		1.1	
						3.7	0.2	116	20.5		8.2		32.4		102.8		7.7		9.4		6		87				<0.2		1.1	
					Bottom	6.4	0.1	94	20.6	20.6	8.2	8.2	32.5	32.4	102.9	102.9	7.7	7.7	9.4		7		90				<0.2		1.0	
						6.4	0.2	101	20.6		8.2		32.4		102.9		7.7		9.4		8		90				<0.2		0.9	
IM12	Fine	Moderate	16:40	8.2	Surface	1.0	0.3	113	20.9	20.9	8.2	8.2	32.4	32.4	105.1	105.0	7.8	7.7	8.6	9.7	7	6	84	87	821465	812034	<0.2	<0.2	1.1	1.1
						1.0	0.3	116	20.8		8.2		32.4		104.9		7.8		8.7		7		84				<0.2		1.1	
					Middle	4.1	0.2	99	20.6	20.6	8.2	8.2	32.6	32.6	103.0	103.0	7.7		9.9		6		87				<0.2		1.0	
						4.1	0.2	105	20.6		8.2		32.6		103.0		7.6		9.9		5		87				<0.2		1.2	
					Bottom	7.2	0.2	100	20.6	20.6	8.2	8.2	32.6	32.6	101.3	101.2	7.5	7.5	10.6		6		90				<0.2		1.0	
						7.2	0.2	105	20.6		8.2		32.6		101.1		7.5		10.5		6		90				<0.2		1.1	
SR1A	Fine	Moderate	16:16	5.3	Surface	1.0	-	-	20.3	20.3	8.3	8.3	32.7	32.7	100.9	100.9	7.5	7.5	8.4	10.9	5	5	-	-	820070	812584	-	-	-	-
						1.0	-	-	20.3		8.3		32.7		100.8		7.5		9.1		5		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	20.3	20.3	8.3	8.3	32.8	32.8	100.6	100.6	7.5	7.5	13.0		5		-				-		-	
						4.3	-	-	20.3		8.3		32.8		100.6		7.5		13.1		6		-				-		-	
SR2	Fine	Moderate	16:03	4.1	Surface	1.0	0.2	84	20.5	20.5	8.3	8.3	32.7	32.7	102.7	102.7	7.6	7.6	9.1	9.3	6	7	84	87	821484	814176	<0.2	<0.2	1.1	1.1
						1.0	0.2	90	20.5		8.3		32.7		102.6		7.6		9.1		7		83				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	91	20.5	20.5	8.2	8.2	32.7	32.7	101.3	101.3	7.5	7.5	9.4		6		90				<0.2		1.0	
						3.1	0.1	94	20.5		8.2		32.7		101.2		7.5		9.4		7		90				<0.2		1.0	
SR3	Fine	Moderate	17:26	8.3	Surface	1.0	0.3	205	21.0	21.0	8.2	8.2	32.2	32.2	105.0	105.0	7.8	7.7	8.3	9.1	5	7	-	-	822146	807590	-	-	-	-
						1.0	0.3	209	21.0		8.2		32.2		104.9		7.8		8.3		5		-				-		-	
					Middle	4.2	0.2	218	20.5	20.5	8.2	8.2	32.5	32.5	102.7	102.7	7.6		9.2		6		-				-		-	
						4.2	0.3	234	20.5		8.2		32.5		102.6		7.6		9.2		6		-				-		-	
					Bottom	7.3	0.3	230	20.5	20.6	8.2	8.2	32.5	32.5	101.8	101.8	7.6	7.6	9.9		9		-				-		-	
						7.3	0.3	240	20.6		8.2		32.5		101.8		7.6		9.8		8		-				-		-	
SR4A	Fine	Calm	15:48	7.8	Surface	1.0	0.2	55	20.5	20.5	8.1	8.1	32.7	32.7	102.7	102.7	7.6	7.6	9.1	9.2	6	7	-	-	817191	807817	-	-	-	-
						1.0	0.2	59	20.5		8.1		32.7		102.7		7.6		9.2		7		-				-		-	
					Middle	3.9	0.2	62	20.5	20.5	8.1	8.1	32.7	32.7	102.5	102.5	7.6		9.2		7		-				-		-	
						3.9	0.2	67	20.5		8.1		32.7		102.5		7.6		9.3		7		-				-		-	
					Bottom	6.8	0.2	54	20.5	20.5	8.1	8.1	32.7	32.7	102.6	102.7	7.6	7.6	9.2		7		-				-		-	
						6.8	0.2	58	20.5		8.1		32.7		102.7		7.6		9.2		7		-				-		-	
SR5A	Fine	Calm	15:25	3.6	Surface	1.0	0.1	91	20.6	20.6	8.1	8.1	32.8	32.8	102.1	102.1	7.6	7.6	7.8	7.9	4	4	-	-	816600	810689	-	-	-	-
						1.0	0.1	93	20.6		8.1		32.8		102.1		7.6		7.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.2	115	20.6	20.6	8.1	8.1	32.8	32.8	101.7	101.8	7.5	7.5	8.0		4		-				-		-	
						2.6	0.2	122	20.6		8.1		32.8		101.8		7.5		7.9		4		-				-		-	
SR6	Fine	Calm	15:01	4.2	Surface	1.0	0.2	34	21.2	21.2	7.9	7.9	33.1	33.1	92.6	92.6	6.8	6.8	6.3	6.7	4	5	-	-	817889	814647	-	-	-	-
						1.0	0.2	34	21.2		7.9		33.1		92.5		6.8		6.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	45	21.1	21.1	7.9	7.9	33.1	33.1	92.0	92.0	6.8	6.8	7.0		5		-				-		-	
						3.2	0.2	48	21.1		7.9		33.1		92.0		6.8		7.1		5		-				-		-	
SR7	Fine	Moderate	15:08	15.2	Surface	1.0	0.5	65	21.2	21.2	8.0	8.0	33.1	33.1	92.9	92.9	6.8	6.8	6.3	6.9	4	5	-	-	823646	823736	-	-	-	-
						1.0	0.5	70	21.2		8.0		33.1		92.8		6.8		6.5		6		-				-		-	
					Middle	7.6	0.3	51	21.0	21.0	8.0	8.0	33.1	33.1	92.3	92.3	6.8		7.3		4		-				-		-	
						7.6	0.3	55	21.0		8.0		33.1		92.3		6.8		7.3		5		-				-		-	
					Bottom	14.2	0.3	26	21.0	21.1	8.0	8.0	33.1	33.1	93.3	93.5	6.9	6.9	7.1		4		-				-		-	
						14.2	0.4	28	21.1		8.0		33.1		93.6		6.9		7.0		6		-				-		-	
SR8	Fine	Moderate	16:28	5.0	Surface	1.0	-	-	21.0	21.0	8.3	8.3	32.7	32.7	104.1	104.1	7.7	7.7	11.2	12.6	11	11	-	-	820498	811644	-	-	-	-
						1.0	-	-	20.9		8.3		32.7		104.1		7.7		11.4		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	20.4	20.4	8.3	8.3	32.8	32.7	99.5	99.6	7.4	7.4	13.6		11		-				-		-	
						4.0	-	-	20.4		8.3		32.7		99.6		7.4		14.1		10		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	12:09	7.9	Surface	1.0	0.3	213	21.0	21.1	8.2	8.2	32.1	32.1	103.0	103.0	7.6	7.6	9.4	12.9	7	7	82	87	815596	804233	<0.2	<0.2	1.1	1.0
						1.0	0.3	214	21.1		8.2		32.1		103.0		7.6		9.4		7		83				<0.2		1.0	
					Middle	4.0	0.3	200	20.9	21.0	8.2	8.2	32.1	32.1	102.1	102.2	-		10.2		7		87				<0.2		0.9	
						4.0	0.3	201	21.0		8.2		32.1		102.2		-		10.1		6		87				<0.2		1.0	
					Bottom	6.9	0.3	205	20.9	20.9	8.2	8.2	32.2	32.2	101.2	101.2	7.5	7.5	18.9		8		91				<0.2		0.9	
						6.9	0.3	214	20.9		8.2		32.2		101.2		7.5		19.5		8		91				<0.2		0.9	
C2	Cloudy	Moderate	13:37	10.9	Surface	1.0	0.5	153	21.4	21.4	8.3	8.3	30.3	30.3	102.3	102.3	7.6	7.6	7.3	7.4	10	10	84	88	825679	806921	<0.2	<0.2	1.3	1.3
						1.0	0.5	162	21.4		8.3		30.3		102.2		7.6		7.2		11		84				<0.2		1.2	
					Middle	5.5	0.4	154	21.0	21.0	8.3	8.3	31.5	31.5	98.9	98.9	-		6.2		10		89				<0.2		1.3	
						5.5	0.4	168	21.0		8.3		31.5		98.9		-		6.2		9		88				<0.2		1.4	
					Bottom	9.9	0.3	145	21.1	21.1	8.3	8.3	31.5	31.5	98.7	98.7	7.3	7.3	8.9		10		92				<0.2		1.3	
						9.9	0.3	149	21.1		8.3		31.5		98.7		7.3		8.7		10		92				<0.2		1.3	
C3	Cloudy	Moderate	11:41	12.2	Surface	1.0	0.3	84	21.4	21.4	8.3	8.3	32.2	32.2	97.9	97.9	7.2	7.1	3.3	4.2	3	4	84	89	822098	817826	<0.2	<0.2	0.9	1.0
						1.0	0.3	91	21.4		8.3		32.2		97.9		7.2		3.4		4		85				<0.2		1.0	
					Middle	6.1	0.3	81	21.1	21.1	8.2	8.2	32.3	32.3	93.6	93.6	6.9		3.9		4		88				<0.2		0.8	
						6.1	0.3	82	21.1		8.2		32.3		93.6		6.9		3.9		4		89				<0.2		2.0	
					Bottom	11.2	0.3	80	21.1	21.1	8.2	8.2	32.3	32.3	94.1	94.2	6.9	6.9	5.2		4		93				<0.2		0.8	
						11.2	0.3	80	21.1		8.2		32.3		94.2		6.9		5.3		4		92				<0.2		0.7	
IM1	Cloudy	Moderate	12:34	4.8	Surface	1.0	0.2	178	20.8	20.8	8.2	8.2	31.6	31.6	101.4	101.4	7.5	7.5	8.3	8.9	8	9	83	87	817947	807124	<0.2	<0.2	1.4	1.2
						1.0	0.2	183	20.8		8.2		31.6		101.4		7.5		8.3		9		83				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	180	20.8	20.8	8.2	8.2	31.8	31.8	100.9	100.9	7.5	7.5	9.4		9		90				<0.2		1.2	
						3.8	0.2	182	20.8		8.2		31.8		100.9		7.5		9.5		9		91				<0.2		1.1	
IM2	Cloudy	Moderate	12:42	6.3	Surface	1.0	0.5	199	21.1	21.1	8.1	8.1	31.6	31.6	102.8	102.8	7.6	7.6	8.1	9.7	9	9	85	88	818161	806167	<0.2	<0.2	1.3	1.4
						1.0	0.5	212	21.1		8.1		31.6		102.7		7.6		8.1		8		85				<0.2		1.1	
					Middle	3.2	0.3	194	21.0	21.0	8.1	8.1	31.7	31.7	101.7	101.7	7.5		8.5		9		87				<0.2		1.3	
						3.2	0.3	207	21.0		8.1		31.7		101.6		7.5		8.4		9		87				<0.2		1.5	
					Bottom	5.3	0.2	176	20.8	20.8	8.1	8.1	32.0	32.0	99.8	99.8	7.4	7.4	12.3		10		90				<0.2		1.6	
						5.3	0.2	191	20.8		8.1		32.0		99.8		7.4		12.6		9		91				<0.2		1.6	
IM3	Cloudy	Moderate	12:50	6.6	Surface	1.0	0.2	187	20.9	20.9	8.1	8.1	31.6	31.6	101.0	101.0	7.5	7.5	11.2	15.7	16	14	85	90	818795	805588	<0.2	<0.2	1.0	0.9
						1.0	0.2	189	20.9		8.1		31.6		101.0		7.5		11.2		17		86				<0.2		0.9	
					Middle	3.3	0.2	209	20.8	20.8	8.1	8.1	31.7	31.7	100.2	100.2	7.5		13.8		14		90				<0.2		0.9	
						3.3	0.2	226	20.8		8.1		31.7		100.2		7.5		13.8		14		91				<0.2		0.9	
					Bottom	5.6	0.2	190	20.8	20.8	8.1	8.1	31.7	31.7	99.9	99.9	7.4	7.4	21.7		12		93				<0.2		0.8	
						5.6	0.2	192	20.8		8.1		31.7		99.9		7.4		22.4		12		93				<0.2		1.0	
IM4	Cloudy	Moderate	13:00	6.8	Surface	1.0	0.5	199	20.9	20.9	8.1	8.1	31.7	31.7	101.8	101.8	7.6	7.5	11.6	13.1	12	12	85	88	819711	804590	<0.2	<0.2	1.1	1.1
						1.0	0.5	217	20.9		8.1		31.7		101.7		7.5		11.6		12		85				<0.2		0.9	
					Middle	3.4	0.4	185	20.8	20.8	8.1	8.1	31.8	31.8	101.0	101.0	7.5		12.9		12		88				<0.2		1.0	
						3.4	0.4	194	20.8		8.1		31.8		101.0		7.5		13.0		12		88				<0.2		1.1	
					Bottom	5.8	0.3	188	20.8	20.8	8.1	8.1	31.8	31.8	100.4	100.4	7.5	7.5	14.7		12		90				<0.2		1.2	
						5.8	0.3	196	20.8		8.1		31.8		100.3		7.5		15.1		12		91				<0.2		1.1	
IM5	Cloudy	Moderate	13:13	6.1	Surface	1.0	0.5	191	21.1	21.1	8.1	8.1	31.5	31.5	102.1	102.1	7.6	7.6	8.0	9.2	6	8	86	91	820736	804850	<0.2	<0.2	0.8	1.0
						1.0	0.6	208	21.1		8.1		31.5		102.0		7.6		8.0		7		87				<0.2		0.9	
					Middle	3.1	0.4	192	20.8	20.8	8.1	8.1	31.5	31.5	100.5	100.5	7.5		9.0		9		91				<0.2		1.1	
						3.1	0.4	201	20.8		8.1		31.5		100.5		7.5		9.2		8		92				<0.2		1.2	
					Bottom	5.1	0.3	199	20.9	20.9	8.1	8.1	31.9	31.9	102.8	102.8	7.6	7.6	10.5		9		94				<0.2		0.9	
						5.1	0.3	211	20.9		8.1		31.9		102.7		7.6		10.5		8		94				<0.2		1.1	
IM6	Cloudy	Moderate	13:25	6.5	Surface	1.0	0.3	224	20.9	20.9	8.1	8.1	31.5	31.5	101.6	101.6	7.5	7.5	8.3	9.2	10	10	87	91	821073	805804	<0.2	<0.2	1.2	1.0
						1.0	0.4	242	20.9		8.1		31.5		101.5		7.5		8.4		11		87				<0.2		1.2	
					Middle	3.3	0.3	216	20.8	20.8	8.1	8.1	31.6	31.6	100.7	100.7	7.5		9.0		10		91				<0.2		1.1	
						3.3	0.3	218	20.8		8.1		31.6		100.7		7.5		9.1		11		92				<0.2		0.9	
					Bottom	5.5	0.2	238	20.9	20.9	8.1	8.1	31.8	31.8	102.0	101.9	7.6	7.6	10.3		8		94				<0.2		0.8	
						5.5	0.2	243	20.9		8.1		31.8		101.8		7.6		10.2		9		95				<0.2		0.8	
IM7	Cloudy	Moderate	13:33	7.1	Surface	1.0	0.4	221	20.8	20.8	8.1	8.1	31.7	31.7	100.8	100.8	7.5	7.5	10.3	10.3	11	10	86	91	821350	806833	<0.2	<0.2	1.2	1.2
						1.0	0.4	236	20.8		8.1		31.7		100.7		7.5		10.3		10		87				<0.2		1.2	
					Middle	3.6	0.3	247	20.8	20.8	8.1	8.1	31.7	31.7	100.1	100.1	7.4		10.5		10		90				<0.2		1.4	
						3.6	0.4	248	20.8		8.1		31.7		100.1		7.4		10.3		11		91				<0.2		1.2	
					Bottom	6.1	0.2	249	20.8	20.8	8.1	8.1	31.8	31.8	100.1	100.1	7.4	7.4	10.3		8		94				<0.2		1.1	
						6.1	0.2	250	20.8		8.1		31.8		100.1		7.4		10.2		10		95				<0.2		0.9	
IM8	Cloudy	Moderate	13:11	7.7	Surface	1.0	0.1	175	21.4	21.4	8.3	8.3	30.6	30.6	103.4	103.4	7.7	7.7	6.6	8.0	8	9	85	89	821829	808150	<0.2	<0.2	1.3	1.2
						1.0	0.1	180	21.3		8.3		30.6		103.3		7.7		6.7		8		84				<0.2		1.2	
					Middle	3.9	0.1	156	21.1	21.1	8.3	8.3	30.7	30.7	101.6	101.7	7.6		7.9		8		89				<0.2		1.2	
						3.9	0.1	156	21.1		8.3		30.7		101.7		7.6		7.9		8		89				<0.2		1.2	
					Bottom	6.7	0.1	87	21.2	21.2	8.3	8.3	31.1	31.1	104.0	104.0	7.7	7.7	9.3		9		93				<0.2		1.2	
						6.7	0.1	89	21.2		8.3		31.1		103.9		7.7		9.4		10		92				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	13:05	7.1	Surface	1.0	0.4	124	21.2	21.2	8.3	8.3	30.9	30.9	102.9	102.9	7.6	7.6	10.2	11.6	11	12	84	89	822096	808804	<0.2	<0.2	1.1	1.3
						1.0	0.4	133	21.2		8.3		30.9		102.8		7.6		10.3		11		85				<0.2		1.3	
					Middle	3.6	0.3	115	21.1	21.1	8.3	8.3	30.9	30.9	102.1	102.1	7.6		11.8		12		88				<0.2		1.3	
						3.6	0.3	123	21.1		8.3		30.9		102.0		7.6		11.7		12		89				<0.2		1.2	
					Bottom	6.1	0.3	119	21.1	21.1	8.3	8.3	30.9	30.9	101.4	101.4	7.5	7.5	12.6		12		93				<0.2		1.4	
						6.1	0.3	124	21.1		8.3		30.9		101.4		7.5		12.8		13		92				<0.2		1.3	
IM10	Cloudy	Moderate	12:57	8.3	Surface	1.0	0.5	116	21.2	21.2	8.3	8.3	30.8	30.8	101.9	101.9	7.6	7.6	9.8	12.5	13	13	84	89	822369	809809	<0.2	<0.2	1.2	1.2
						1.0	0.6	117	21.2		8.3		30.8		101.9		7.6		9.7		13		85				<0.2		1.3	
					Middle	4.2	0.5	109	21.0	21.0	8.3	8.3	30.9	30.9	101.1	101.1	7.5		12.7		13		89				<0.2		1.1	
						4.2	0.5	116	21.0		8.3		30.9		101.0		7.5		12.2		13		89				<0.2		1.2	
					Bottom	7.3	0.5	101	21.0	21.0	8.3	8.3	30.9	30.9	100.7	100.7	7.5	7.5	15.3		11		92				<0.2		1.3	
						7.3	0.5	108	21.0		8.3		30.9		100.7		7.5		15.5		12		93				<0.2		1.3	
IM11	Cloudy	Moderate	12:44	7.7	Surface	1.0	0.5	97	21.4	21.4	8.3	8.3	30.8	30.8	104.0	104.0	7.7	7.7	7.2	8.3	8	9	84	89	822058	811477	0.4	**0.4**	1.1	1.3
						1.0	0.5	97	21.4		8.3		30.8		104.0		7.7		7.2		8		84				0.4		1.3	
					Middle	3.9	0.4	94	21.3	21.3	8.3	8.3	30.8	30.8	102.9	102.9	7.6		7.0		8		89				0.4		1.4	
						3.9	0.4	96	21.2		8.3		30.9		102.8		7.6		6.9		8		89				0.4		1.4	
					Bottom	6.7	0.4	92	21.1	21.1	8.3	8.3	31.2	31.2	100.9	100.9	7.5	7.5	10.7		9		93				0.4		1.3	
						6.7	0.4	93	21.1		8.3		31.2		100.9		7.5		10.7		10		93				0.4		1.4	
IM12	Cloudy	Moderate	12:35	9.9	Surface	1.0	0.5	110	21.1	21.1	8.4	8.4	30.7	30.7	102.5	102.5	7.6	7.6	7.1	7.6	9	9	84	89	821451	812042	0.2	0.3	1.2	1.1
						1.0	0.5	114	21.1		8.4		30.7		102.5		7.6		7.1		9		88				0.3		1.1	
					Middle	5.0	0.4	94	21.1	21.1	8.4	8.4	30.9	30.9	102.1	102.1	7.6		8.1		9		89				0.3		1.0	
						5.0	0.4	98	21.1		8.4		30.9		102.1		7.6		8.2		9		88				0.3		1.0	
					Bottom	8.9	0.3	99	21.1	21.1	8.3	8.3	31.3	31.3	100.8	100.8	7.5	7.5	7.4		9		93				0.2		1.1	
						8.9	0.3	99	21.1		8.3		31.3		100.8		7.5		7.5		9		92				0.2		1.1	
SR1A	Cloudy	Moderate	12:16	5.4	Surface	1.0	-	-	21.3	21.3	8.3	8.3	31.5	31.5	103.0	103.0	7.6	7.6	6.0	6.8	7	8	-	-	820071	812590	-	-	-	-
						1.0	-	-	21.3		8.3		31.5		102.9		7.6		6.1		6		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	21.2	21.2	8.3	8.3	31.8	31.8	101.0	101.1	7.5	7.5	7.4		8		-				-		-	
						4.4	-	-	21.2		8.3		31.8		101.1		7.5		7.6		9		-				-		-	
SR2	Cloudy	Moderate	12:05	4.8	Surface	1.0	0.2	82	21.1	21.1	8.3	8.3	31.5	31.5	103.9	103.9	7.7	7.7	5.2	5.1	7	7	84	86	821456	814163	<0.2	<0.2	1.0	1.0
						1.0	0.3	90	21.1		8.3		31.5		103.8		7.7		5.2		6		84				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	86	21.1	21.1	8.3	8.3	31.6	31.6	101.7	101.7	7.5	7.5	5.0		6		89				<0.2		1.1	
						3.8	0.2	89	21.1		8.3		31.6		101.6		7.5		5.0		7		88				<0.2		1.0	
SR3	Cloudy	Moderate	13:18	8.4	Surface	1.0	0.1	216	21.1	21.1	8.3	8.3	30.9	30.9	101.9	101.9	7.6	7.6	8.6	8.7	10	10	-	-	822163	807560	-	-	-	-
						1.0	0.1	231	21.1		8.3		30.9		101.9		7.6		8.6		10		-				-		-	
					Middle	4.2	0.1	206	21.0	21.0	8.3	8.3	30.9	30.9	101.2	101.2	7.5		8.8		10		-				-		-	
						4.2	0.1	222	21.0		8.3		30.9		101.2		7.5		8.7		9		-				-		-	
					Bottom	7.4	0.1	204	21.1	21.1	8.3	8.3	30.9	30.9	101.2	101.2	7.5	7.5	8.6		9		-				-		-	
						7.4	0.1	221	21.1		8.3		30.9		101.2		7.5		8.6		9		-				-		-	
SR4A	Cloudy	Calm	11:46	7.7	Surface	1.0	0.2	50	20.8	20.9	8.1	8.1	32.4	32.4	102.7	102.7	7.6	7.5	6.6	6.1	6	6	-	-	817192	807828	-	-	-	-
						1.0	0.2	53	20.9		8.1		32.4		102.7		7.6		6.6		6		-				-		-	
					Middle	3.9	0.2	66	20.8	20.8	8.1	8.1	32.4	32.4	100.6	100.6	7.4		6.1		6		-				-		-	
						3.9	0.2	66	20.8		8.1		32.4		100.6		7.4		6.1		6		-				-		-	
					Bottom	6.7	0.2	54	20.8	20.8	8.1	8.1	32.4	32.4	100.3	100.3	7.4	7.4	5.6		6		-				-		-	
						6.7	0.2	54	20.8		8.1		32.4		100.3		7.4		5.7		7		-				-		-	
SR5A	Cloudy	Calm	11:27	5.1	Surface	1.0	0.1	90	21.1	21.1	8.1	8.1	33.1	33.1	96.9	96.9	7.1	7.1	4.3	4.7	4	4	-	-	816613	810719	-	-	-	-
						1.0	0.1	94	21.1		8.1		33.1		96.8		7.1		4.3		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	110	20.9	20.9	8.1	8.1	33.1	33.1	93.0	93.0	6.8	6.8	5.0		5		-				-		-	
						4.1	0.2	114	20.9		8.1		33.1		92.9		6.8		5.0		4		-				-		-	
SR6	Cloudy	Calm	11:00	3.8	Surface	1.0	0.2	37	20.9	20.9	8.0	8.0	33.2	33.2	90.6	90.6	6.7	6.7	5.6	6.7	7	7	-	-	817888	814662	-	-	-	-
						1.0	0.2	38	20.9		8.0		33.2		90.6		6.7		5.6		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	50	20.9	20.9	8.0	8.0	33.2	33.2	90.0	90.1	6.6	6.6	7.8		7		-				-		-	
						2.8	0.2	54	20.9		8.0		33.2		90.1		6.6		7.8		7		-				-		-	
SR7	Cloudy	Moderate	11:10	14.6	Surface	1.0	0.3	74	21.2	21.2	8.2	8.2	32.3	32.3	91.5	91.5	6.7	6.7	4.5	5.3	6	7	-	-	823614	823732	-	-	-	-
						1.0	0.3	74	21.2		8.2		32.3		91.5		6.7		4.4		6		-				-		-	
					Middle	7.3	0.2	79	21.2	21.2	8.2	8.2	32.3	32.3	90.5	90.5	6.7		5.4		7		-				-		-	
						7.3	0.2	81	21.2		8.2		32.3		90.5		6.7		5.7		7		-				-		-	
					Bottom	13.6	0.2	53	21.2	21.2	8.1	8.1	32.3	32.3	90.8	90.8	6.7	6.7	5.9		6		-				-		-	
						13.6	0.2	57	21.2		8.1		32.3		90.8		6.7		6.0		7		-				-		-	
SR8	Cloudy	Moderate	12:26	4.1	Surface	1.0	-	-	21.3	21.3	8.3	8.3	31.2	31.2	104.0	104.0	7.7	7.7	7.9	8.4	8	8	-	-	820507	811655	-	-	-	-
						1.0	-	-	21.3		8.3		31.2		104.0		7.7		8.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	21.3	21.3	8.3	8.3	31.3	31.2	103.2	103.3	7.6	7.6	8.9		7		-				-		-	
						3.1	-	-	21.3		8.3		31.2		103.3		7.6		8.8		7		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	17:26	7.7	Surface	1.0	0.2	67	21.4	21.4	8.2	8.2	31.9	31.9	106.1	106.1	7.8	7.8	7.8	8.4	8	7	88	92	815621	804246	<0.2	<0.2	1.0	1.2
						1.0	0.2	74	21.4		8.2		31.9		106.1		7.8		7.7		7		89				<0.2		1.2	
					Middle	3.9	0.2	67	21.2	21.2	8.2	8.2	32.1	32.1	105.1	105.1	-		7.7		6		92				<0.2		1.1	
						3.9	0.2	72	21.2		8.2		32.1		105.1		-		7.7		7		93				<0.2		1.2	
					Bottom	6.7	0.1	24	21.2	21.2	8.2	8.2	32.1	32.1	104.1	104.1	7.7	7.7	9.6		7		94				<0.2		1.2	
						6.7	0.1	23	21.2		8.2		32.1		104.0		7.7		9.7		7		95				<0.2		1.2	
C2	Sunny	Moderate	16:11	11.4	Surface	1.0	0.4	63	21.4	21.4	8.3	8.3	30.3	30.3	101.9	101.9	7.6	7.5	7.2	7.1	10	9	87	91	825674	806935	<0.2	<0.2	1.5	1.4
						1.0	0.5	66	21.4		8.3		30.3		101.9		7.6		7.2		10		88				<0.2		1.4	
					Middle	5.7	0.3	66	21.0	21.0	8.3	8.3	31.4	31.4	99.0	99.0	7.3		5.9		9		90				<0.2		1.4	
						5.7	0.3	70	21.0		8.3		31.4		99.0		7.3		6.0		9		91				<0.2		1.3	
					Bottom	10.4	0.2	58	21.1	21.1	8.3	8.3	31.5	31.5	98.7	98.7	7.3	7.3	8.0		7		95				<0.2		1.4	
						10.4	0.2	62	21.1		8.3		31.5		98.7		7.3		8.1		8		95				<0.2		1.5	
C3	Sunny	Moderate	17:55	9.7	Surface	1.0	0.0	13	21.4	21.4	8.3	8.3	31.6	31.6	104.3	104.2	7.7	7.7	4.2	4.7	5	4	87	91	822130	817796	<0.2	<0.2	1.2	1.2
						1.0	0.0	13	21.4		8.3		31.6		104.1		7.7		4.2		5		87				<0.2		1.3	
					Middle	4.9	0.1	318	21.1	21.1	8.3	8.3	31.9	31.9	98.9	98.9	-		4.1		4		91				<0.2		1.2	
						4.9	0.1	326	21.1		8.3		31.9		98.8		-		4.1		5		90				<0.2		1.2	
					Bottom	8.7	0.1	262	21.1	21.1	8.3	8.3	32.0	32.0	97.0	97.1	7.2	7.2	5.7		3		95				<0.2		1.2	
						8.7	0.1	274	21.1		8.3		32.0		97.1		7.2		5.8		4		94				<0.2		1.3	
IM1	Fine	Moderate	17:06	4.6	Surface	1.0	0.1	84	20.9	20.9	8.1	8.1	31.7	31.7	100.9	100.9	7.5	7.5	12.3	14.1	13	13	85	89	817967	807144	<0.2	<0.2	1.2	1.1
						1.0	0.1	89	20.9		8.1		31.7		100.9		7.5		12.4		13		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	100	20.9	20.9	8.1	8.1	31.7	31.7	100.2	100.2	7.4	7.4	15.7		13		92				<0.2		1.1	
						3.6	0.0	101	20.9		8.1		31.7		100.2		7.4		16.0		13		92				<0.2		1.0	
IM2	Fine	Moderate	16:59	6.7	Surface	1.0	0.2	77	20.9	20.9	8.1	8.1	31.7	31.7	101.9	101.9	7.6	7.6	9.7	14.9	6	8	84	89	818146	806163	<0.2	<0.2	1.0	1.1
						1.0	0.3	76	20.9		8.1		31.7		101.9		7.6		9.7		6		86				<0.2		1.1	
					Middle	3.4	0.1	71	20.9	20.9	8.1	8.1	31.8	31.8	101.0	101.0	7.5		16.3		8		88				<0.2		1.0	
						3.4	0.2	73	20.9		8.1		31.8		101.0		7.5		16.0		8		88				<0.2		1.2	
					Bottom	5.7	0.1	44	20.9	20.9	8.1	8.1	31.8	31.8	100.9	100.9	7.5	7.5	19.2		10		92				<0.2		1.2	
						5.7	0.1	46	20.9		8.1		31.8		100.9		7.5		18.7		10		93				<0.2		1.3	
IM3	Fine	Moderate	16:52	6.8	Surface	1.0	0.5	25	20.8	20.8	8.1	8.1	31.7	31.7	102.6	102.6	7.6	7.6	12.9	19.0	7	8	85	89	818789	805606	<0.2	<0.2	1.2	1.2
						1.0	0.5	25	20.8		8.1		31.7		102.5		7.6		12.8		7		86				<0.2		1.2	
					Middle	3.4	0.4	20	20.8	20.8	8.1	8.1	31.7	31.7	102.2	102.2	7.6		19.3		8		89				<0.2		1.2	
						3.4	0.5	21	20.8		8.1		31.7		102.1		7.6		19.4		8		89				<0.2		1.0	
					Bottom	5.8	0.3	11	20.8	20.8	8.1	8.1	31.8	31.8	101.6	101.6	7.6	7.6	24.9		8		92				<0.2		1.2	
						5.8	0.4	11	20.8		8.1		31.8		101.6		7.6		24.8		9		92				<0.2		1.1	
IM4	Fine	Moderate	16:42	7.0	Surface	1.0	0.6	33	21.1	21.1	8.1	8.1	31.2	31.3	103.0	103.0	7.6	7.7	8.4	11.9	6	5	85	89	819713	804619	<0.2	<0.2	1.3	1.2
						1.0	0.6	33	21.1		8.1		31.3		103.0		7.6		8.6		5		85				<0.2		1.2	
					Middle	3.5	0.4	12	20.9	20.9	8.1	8.1	31.5	31.4	103.0	103.0	7.7		12.5		5		88				<0.2		1.2	
						3.5	0.4	13	20.9		8.1		31.4		103.0		7.7		12.3		5		89				<0.2		1.2	
					Bottom	6.0	0.3	339	20.9	20.9	8.1	8.1	31.6	31.6	102.5	102.5	7.6	7.6	14.8		5		91				<0.2		1.0	
						6.0	0.3	352	20.9		8.1		31.6		102.4		7.6		15.1		5		93				<0.2		1.1	
IM5	Fine	Moderate	16:35	6.5	Surface	1.0	0.6	342	21.1	21.1	8.1	8.1	31.5	31.5	104.5	104.5	7.7	7.7	8.2	8.9	7	7	84	89	820746	804859	<0.2	<0.2	1.2	1.2
						1.0	0.7	358	21.1		8.1		31.5		104.4		7.7		8.2		7		85				<0.2		1.4	
					Middle	3.3	0.5	337	20.9	20.9	8.1	8.1	31.8	31.8	102.6	102.6	7.6		9.0		6		88				<0.2		1.2	
						3.3	0.6	340	20.9		8.1		31.8		102.6		7.6		9.0		6		89				<0.2		1.2	
					Bottom	5.5	0.4	347	20.9	20.9	8.1	8.1	31.8	31.8	102.5	102.5	7.6	7.6	9.5		6		93				<0.2		1.1	
						5.5	0.4	351	20.9		8.1		31.8		102.5		7.6		9.6		7		94				<0.2		1.3	
IM6	Fine	Moderate	16:22	6.2	Surface	1.0	0.4	88	21.1	21.1	8.1	8.1	31.5	31.5	103.5	103.5	7.7	7.7	8.1	9.2	6	6	84	88	821041	805818	<0.2	<0.2	1.0	1.1
						1.0	0.4	90	21.1		8.1		31.5		103.5		7.7		8.2		6		85				<0.2		1.2	
					Middle	3.1	0.6	83	20.9	20.9	8.1	8.1	31.8	31.8	102.1	102.1	7.6		9.2		6		88				<0.2		1.1	
						3.1	0.6	85	20.9		8.1		31.8		102.1		7.6		9.4		5		89				<0.2		1.1	
					Bottom	5.2	0.3	81	20.9	20.9	8.1	8.1	31.9	31.9	102.1	102.1	7.6	7.6	9.9		6		92				<0.2		1.0	
						5.2	0.3	88	20.9		8.1		31.9		102.0		7.6		10.3		6		92				<0.2		1.1	
IM7	Fine	Moderate	16:11	7.5	Surface	1.0	0.3	90	21.2	21.2	8.1	8.1	31.5	31.5	103.7	103.7	7.7	7.6	8.0	10.0	7	6	86	89	821351	806837	<0.2	<0.2	1.2	1.2
						1.0	0.3	94	21.2		8.1		31.5		103.6		7.7		7.9		6		86				<0.2		1.3	
					Middle	3.8	0.3	92	20.8	20.8	8.1	8.1	31.8	31.8	101.3	101.4	7.5		9.5		6		88				<0.2		1.2	
						3.8	0.4	98	20.8		8.1		31.8		101.4		7.5		9.5		6		89				<0.2		1.2	
					Bottom	6.5	0.3	98	20.8	20.8	8.1	8.1	31.9	31.9	101.2	101.2	7.5	7.5	12.6		6		91				<0.2		1.1	
						6.5	0.3	98	20.8		8.1		31.9		101.2		7.5		12.5		6		91				<0.2		1.1	
IM8	Sunny	Moderate	16:37	7.5	Surface	1.0	0.1	228	21.4	21.4	8.3	8.3	30.7	30.7	104.7	104.7	7.7	7.7	6.7	8.0	6	9	88	91	821824	808149	<0.2	<0.2	1.4	1.4
						1.0	0.2	230	21.4		8.3		30.7		104.7		7.7		6.8		6		87				<0.2		1.4	
					Middle	3.8	0.1	260	21.2	21.2	8.3	8.3	30.9	30.9	103.2	103.2	7.7		7.7		9		91				<0.2		1.4	
						3.8	0.1	272	21.2		8.3		30.9		103.2		7.7		7.7		10		91				<0.2		1.2	
					Bottom	6.5	0.1	294	21.2	21.2	8.3	8.3	31.0	31.0	103.2	103.2	7.7	7.7	9.4		11		95				<0.2		1.4	
						6.5	0.1	317	21.2		8.3		31.0		103.1		7.7		9.6		10		95				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 22 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Sunny	Moderate	16:44	7.2	Surface	1.0	0.4	131	21.5	21.5	8.3	8.3	30.4	30.4	104.1	104.1	7.7	7.7	7.0	9.9	5	4	88	91	822106	808819	<0.2	<0.2	1.5	1.4
						1.0	0.4	131	21.4		8.3		30.4		104.0		7.7		7.1		4		87				<0.2		1.4	
					Middle	3.6	0.3	125	21.2	21.2	8.3	8.3	30.6	30.6	104.0	104.0	7.7		10.5		4		91				<0.2		1.3	
						3.6	0.4	136	21.2		8.3		30.6		104.0		7.7		10.1		5		91				<0.2		1.4	
					Bottom	6.2	0.3	118	21.2	21.2	8.3	8.3	30.7	30.7	103.5	103.5	7.7	7.7	12.4		4		95				<0.2		1.5	
						6.2	0.3	129	21.2		8.3		30.7		103.4		7.7		12.5		4		95				<0.2		1.5	
IM10	Sunny	Moderate	16:50	6.3	Surface	1.0	0.4	111	21.1	21.1	8.3	8.3	30.8	30.8	103.7	103.7	7.7	7.7	11.4	15.1	6	6	87	91	822369	809790	<0.2	<0.2	1.3	1.3
						1.0	0.4	112	21.1		8.3		30.8		103.7		7.7		11.2		5		87				<0.2		1.3	
					Middle	3.2	0.4	103	21.1	21.1	8.3	8.3	30.9	30.9	103.3	103.3	7.7		15.3		5		91				<0.2		1.3	
						3.2	0.4	108	21.1		8.3		30.9		103.3		7.7		15.3		5		91				<0.2		1.3	
					Bottom	5.3	0.2	98	21.1	21.1	8.3	8.3	30.9	30.9	102.8	102.8	7.6	7.6	18.5		8		95				<0.2		1.1	
						5.3	0.2	98	21.1		8.3		30.9		102.7		7.6		18.8		9		95				<0.2		1.3	
IM11	Sunny	Moderate	17:00	7.4	Surface	1.0	0.3	122	21.2	21.2	8.3	8.3	30.9	30.9	103.0	103.0	7.6	7.6	7.4	12.8	13	9	87	91	822051	811477	<0.2	<0.2	1.3	1.3
						1.0	0.4	129	21.2		8.3		30.9		103.0		7.6		7.5		12		87				<0.2		1.3	
					Middle	3.7	0.4	117	21.2	21.2	8.3	8.3	30.9	30.9	102.1	102.1	7.6		12.3		8		91				<0.2		1.2	
						3.7	0.4	124	21.2		8.3		30.9		102.0		7.6		12.1		8		91				<0.2		1.2	
					Bottom	6.4	0.3	114	21.2	21.2	8.3	8.3	30.9	30.9	101.9	102.0	7.6	7.6	17.6		6		95				<0.2		1.2	
						6.4	0.3	121	21.2		8.3		30.9		102.0		7.6		19.7		5		95				<0.2		1.3	
IM12	Sunny	Moderate	17:06	8.4	Surface	1.0	0.3	95	21.2	21.2	8.3	8.3	30.8	30.8	102.0	102.0	7.6	7.6	10.3	10.3	12	11	87	91	821458	812026	<0.2	<0.2	1.4	1.6
						1.0	0.3	101	21.2		8.3		30.8		102.0		7.6		10.6		11		88				<0.2		1.5	
					Middle	4.2	0.3	111	21.2	21.2	8.3	8.3	30.8	30.8	102.0	102.0	7.6		9.4		10		91				<0.2		1.7	
						4.2	0.3	118	21.2		8.3		30.8		102.0		7.6		9.3		10		91				<0.2		1.5	
					Bottom	7.4	0.2	90	21.2	21.2	8.3	8.3	30.8	30.8	101.3	101.3	7.5	7.5	11.2		10		95				<0.2		1.6	
						7.4	0.2	91	21.2		8.3		30.8		101.3		7.5		10.8		10		95				<0.2		1.6	
SR1A	Sunny	Moderate	17:25	5.3	Surface	1.0	-	-	21.6	21.6	8.3	8.3	31.1	31.1	105.6	105.6	7.8	7.8	6.4	6.4	5	6	-	-	820071	812581	-	-	-	-
						1.0	-	-	21.6		8.3		31.1		105.6		7.8				6		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	21.3	21.3	8.3	8.3	31.5	31.5	102.9	102.9	7.6	7.6	6.5		6		-				-		-	
						4.3	-	-	21.3		8.3		31.5		102.9		7.6		6.3		6		-				-		-	
SR2	Sunny	Moderate	17:37	4.7	Surface	1.0	0.3	90	21.3	21.3	8.3	8.3	30.7	30.7	101.7	101.7	7.5	7.5	7.1	6.5	6	7	88	89	821477	814143	<0.2	<0.2	1.3	1.2
						1.0	0.3	96	21.3		8.3		30.7		101.6		7.5		7.2		7		87				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	78	21.1	21.1	8.3	8.3	31.2	31.2	100.2	100.2	7.4	7.4	5.8		8		90				<0.2		1.2	
						3.7	0.1	79	21.1		8.3		31.2		100.1		7.4		5.8		8		91				<0.2		1.1	
SR3	Sunny	Moderate	16:32	8.6	Surface	1.0	0.1	241	21.5	21.5	8.3	8.3	30.7	30.7	104.9	104.9	7.7	7.7	6.6	8.5	9	8	-	-	822141	807585	-	-	-	-
						1.0	0.1	261	21.5		8.3		30.7		104.8		7.7		6.5		8		-				-		-	
					Middle	4.3	0.1	267	21.1	21.1	8.3	8.3	30.9	30.9	102.5	102.5	7.6		8.4		9		-				-		-	
						4.3	0.1	282	21.1		8.3		30.9		102.5		7.6		8.3		8		-				-		-	
					Bottom	7.6	0.1	262	21.1	21.1	8.3	8.3	31.0	31.0	102.3	102.3	7.6	7.6	10.6		6		-				-		-	
						7.6	0.1	283	21.1		8.3		31.0		102.3		7.6		10.5		6		-				-		-	
SR4A	Fine	Calm	17:48	8.0	Surface	1.0	0.3	243	21.0	21.0	8.1	8.1	31.5	31.5	100.5	100.5	7.5	7.5	8.8	8.4	9	8	-	-	817185	807790	-	-	-	-
						1.0	0.3	259	21.0		8.1		31.5		100.5		7.5		8.7		8		-				-		-	
					Middle	4.0	0.3	249	20.8	20.8	8.1	8.1	32.1	32.1	99.1	99.1	-		7.2		8		-				-		-	
						4.0	0.4	254	20.8		8.1		32.1		99.1		-		7.1		8		-				-		-	
					Bottom	7.0	0.2	240	20.8	20.8	8.1	8.1	32.1	32.1	98.8	98.8	7.3	7.3	9.5		8		-				-		-	
						7.0	0.3	258	20.8		8.1		32.1		98.8		7.3		9.4		8		-				-		-	
SR5A	Fine	Calm	18:10	4.8	Surface	1.0	0.2	287	21.1	21.1	8.1	8.1	32.5	32.5	103.2	103.1	7.6	7.6	5.2	6.1	3	4	-	-	816616	810705	-	-	-	-
						1.0	0.2	315	21.1		8.1		32.5		103.0		7.6		5.2		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	293	20.8	20.8	8.1	8.1	32.9	32.9	96.0	96.0	7.1	7.1	6.9		5		-				-		-	
						3.8	0.2	296	20.8		8.1		32.9		96.0		7.1		6.9		6		-				-		-	
SR6	Fine	Calm	18:37	3.9	Surface	1.0	0.2	254	21.0	21.0	8.1	8.1	32.9	32.9	97.6	97.6	7.2	7.2	4.8	4.8	7	6	-	-	817902	814678	-	-	-	-
						1.0	0.2	261	21.0		8.1		32.9		97.6		7.2		4.9		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	250	21.0	21.0	8.1	8.1	33.0	33.0	96.6	96.6	7.1	7.1	4.8		4		-				-		-	
						2.9	0.2	274	21.0		8.1		33.0		96.6		7.1		4.9		4		-				-		-	
SR7	Sunny	Moderate	18:22	14.7	Surface	1.0	0.1	206	21.4	21.4	8.3	8.3	32.0	32.0	99.8	99.8	7.3	7.3	3.6	3.8	3	3	-	-	823637	823754	-	-	-	-
						1.0	0.1	208	21.4		8.3		32.0		99.8		7.3		3.5		3		-				-		-	
					Middle	7.4	0.0	261	21.3	21.3	8.3	8.3	32.0	32.0	98.5	98.5	-		3.7		4		-				-		-	
						7.4	0.0	268	21.3		8.3		32.0		98.5		-		3.7		3		-				-		-	
					Bottom	13.7	0.1	215	21.3	21.3	8.3	8.3	32.1	32.1	97.4	97.4	7.2	7.2	4.0		3		-				-		-	
						13.7	0.1	217	21.3		8.3		32.1		97.4		7.2		4.0		3		-				-		-	
SR8	Sunny	Moderate	17:17	4.5	Surface	1.0	-	-	21.7	21.7	8.3	8.3	31.0	31.0	107.3	107.3	7.9	7.9	6.2	6.2	10	9	-	-	820482	811647	-	-	-	-
						1.0	-	-	21.7		8.3		31.1		107.3		7.9		6.1		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	21.5	21.5	8.4	8.4	31.2	31.2	106.2	106.2	7.8	7.8	6.3		8		-				-		-	
						3.5	-	-	21.5		8.4		31.2		106.2		7.8		6.3		8		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:25	9.7	Surface	1.0	0.4	215	20.5	20.5	8.1	8.1	32.0	32.0	94.2	94.3	7.0	7.1	7.5	8.5	21	19	83	87	815642	804238	<0.2	<0.2	1.4	1.2
						1.0	0.5	223	20.5		8.1		32.0		94.3		7.0		7.4		20		83				<0.2		1.2	
					Middle	4.9	0.3	170	20.5	20.5	8.1	8.1	32.0	32.0	94.8	95.0	7.1		8.5		17		87				<0.2		1.1	
						4.9	0.3	178	20.5		8.1		32.0		95.1		7.1		8.6		17		87				<0.2		1.1	
					Bottom	8.7	0.3	177	20.5	20.5	8.1	8.1	32.0	32.0	96.0	96.3	7.2	7.2	9.5		19		92				<0.2		1.2	
						8.7	0.3	182	20.5		8.1		32.0		96.5		7.2		9.6		18		92				<0.2		1.0	
C2	Fine	Moderate	13:18	8.9	Surface	1.0	0.3	324	20.9	20.9	8.1	8.1	30.7	30.7	89.0	89.0	6.6	6.6	11.6	14.3	8	9	84	87	825693	806966	<0.2	<0.2	0.9	0.9
						1.0	0.4	329	20.9		8.1		30.7		89.0		6.6		11.8		7		84				<0.2		1.0	
					Middle	4.5	0.4	234	21.0	21.0	8.1	8.1	30.9	30.9	89.1	89.2	-		12.1		9		88				<0.2		1.0	
						4.5	0.4	227	21.0		8.1		30.9		89.2		-		12.1		9		87				<0.2		0.9	
					Bottom	7.9	0.3	225	21.0	21.0	8.1	8.1	31.0	31.0	89.1	89.1	6.6	6.6	19.2		11		87				<0.2		1.0	
						7.9	0.3	225	21.0		8.1		31.0		89.0		6.6		19.2		10		91				<0.2		0.8	
C3	Fine	Moderate	14:58	12.4	Surface	1.0	0.2	39	21.1	21.1	8.1	8.1	32.4	32.4	87.8	87.9	6.5	6.5	11.5	12.1	8	9	83	87	822130	817802	<0.2	<0.2	0.9	0.9
						1.0	0.2	40	21.1		8.1		32.4		87.9		6.5		11.5		8		83				<0.2		0.9	
					Middle	6.2	0.2	40	21.1	21.1	8.1	8.1	32.4	32.4	88.3	88.4	6.5		12.3		9		88				<0.2		0.9	
						6.2	0.2	49	21.1		8.1		32.4		88.5		6.5		12.3		8		88				<0.2		0.9	
					Bottom	11.4	0.1	55	21.1	21.1	8.1	8.1	32.4	32.4	89.0	89.1	6.6	6.6	12.6		9		91				<0.2		0.9	
						11.4	0.1	59	21.1		8.1		32.4		89.2		6.6		12.5		10		91				<0.2		1.0	
IM1	Fine	Moderate	14:02	4.8	Surface	1.0	0.2	166	20.5	20.5	8.1	8.1	32.1	32.1	95.7	95.7	7.1	7.1	9.5	10.4	19	20	84	88	817949	807115	<0.2	<0.2	1.2	1.2
						1.0	0.2	174	20.5		8.1		32.1		95.7		7.1		9.6		19		85				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	189	20.5	20.5	8.1	8.1	32.1	32.1	96.8	97.1	7.2	7.3	11.2		20		90				<0.2		1.1	
						3.8	0.2	199	20.5		8.1		32.1		97.3		7.3		11.2		20		91				<0.2		1.2	
IM2	Fine	Moderate	13:57	7.5	Surface	1.0	0.4	210	20.5	20.5	8.1	8.1	32.1	32.1	95.0	95.0	7.1	7.1	13.1	15.0	14	16	83	87	818182	806167	<0.2	<0.2	1.1	1.2
						1.0	0.4	212	20.5		8.1		32.1		95.0		7.1		13.1		16		84				<0.2		1.3	
					Middle	3.8	0.3	215	20.5	20.5	8.1	8.1	32.1	32.1	95.2	95.3	7.1		14.9		17		87				<0.2		1.2	
						3.8	0.3	221	20.5		8.1		32.1		95.4		7.1		15.1		17		87				<0.2		1.1	
					Bottom	6.5	0.2	209	20.5	20.5	8.1	8.1	32.1	32.1	96.0	96.2	7.2	7.2	16.9		17		89				<0.2		1.2	
						6.5	0.2	225	20.5		8.1		32.1		96.3		7.2		16.9		16		91				<0.2		1.1	
IM3	Fine	Moderate	13:51	7.1	Surface	1.0	0.5	214	20.6	20.6	8.1	8.1	32.1	32.1	94.2	94.2	7.0	7.0	16.7	18.9	23	21	83	88	818797	805587	<0.2	<0.2	1.4	1.3
						1.0	0.6	231	20.6		8.1		32.1		94.2		7.0		16.7		22		84				<0.2		1.2	
					Middle	3.6	0.2	198	20.6	20.6	8.1	8.1	32.1	32.1	94.2	94.2	7.0		19.7		21		87				<0.2		1.4	
						3.6	0.3	216	20.6		8.1		32.1		94.2		7.0		19.7		22		88				<0.2		1.2	
					Bottom	6.1	0.5	172	20.6	20.6	8.1	8.1	32.1	32.1	94.3	94.3	7.0	7.0	20.3		19		92				<0.2		1.1	
						6.1	0.5	180	20.6		8.1		32.1		94.3		7.0		20.3		18		92				<0.2		1.2	
IM4	Fine	Moderate	13:39	8.2	Surface	1.0	0.6	194	20.5	20.5	8.1	8.1	32.1	32.1	94.5	94.5	7.0	7.1	18.2	19.4	13	16	83	88	819727	804601	<0.2	<0.2	1.1	1.1
						1.0	0.6	206	20.5		8.1		32.1		94.5		7.0		18.2		13		83				<0.2		1.1	
					Middle	4.1	0.5	188	20.5	20.5	8.1	8.1	32.1	32.1	94.7	94.8	7.1		19.3		16		88				<0.2		1.1	
						4.1	0.5	193	20.5		8.1		32.1		94.8		7.1		19.3		17		88				<0.2		1.1	
					Bottom	7.2	0.3	153	20.5	20.5	8.1	8.1	32.1	32.1	95.1	95.3	7.1	7.1	20.7		18		92				<0.2		1.2	
						7.2	0.3	160	20.5		8.1		32.1		95.4		7.1		20.8		17		92				<0.2		1.1	
IM5	Fine	Moderate	13:31	7.6	Surface	1.0	0.7	187	20.6	20.6	8.1	8.1	31.5	31.5	94.1	94.2	7.0	7.1	19.4	19.2	13	13	84	88	820719	804882	<0.2	<0.2	1.3	1.2
						1.0	0.7	193	20.6		8.1		31.5		94.2		7.0		19.4		12		84				<0.2		1.1	
					Middle	3.8	0.6	190	20.5	20.5	8.1	8.1	31.7	31.7	94.7	94.8	7.1		18.6		12		88				<0.2		1.2	
						3.8	0.6	199	20.5		8.1		31.7		94.9		7.1		18.5		12		88				<0.2		1.2	
					Bottom	6.6	0.4	172	20.5	20.5	8.1	8.1	31.8	31.8	95.8	96.6	7.2	7.3	19.7		14		91				<0.2		1.2	
						6.6	0.4	174	20.5		8.1		31.8		97.3		7.3		19.7		15		92				<0.2		1.3	
IM6	Fine	Moderate	13:26	7.4	Surface	1.0	0.5	254	20.6	20.6	8.1	8.1	31.6	31.6	94.6	94.6	7.1	7.1	17.6	19.1	13	14	83	87	821041	805832	<0.2	<0.2	1.3	1.2
						1.0	0.5	258	20.6		8.1		31.6		94.6		7.1		17.6		14		83				<0.2		1.1	
					Middle	3.7	0.4	233	20.5	20.5	8.1	8.1	31.8	31.9	95.0	95.1	7.1		19.1		15		87				<0.2		1.3	
						3.7	0.5	254	20.5		8.1		31.9		95.1		7.1		19.0		14		87				<0.2		1.3	
					Bottom	6.4	0.4	218	20.5	20.5	8.1	8.1	31.9	31.9	95.7	95.9	7.1	7.2	20.7		14		91				<0.2		1.1	
						6.4	0.4	222	20.5		8.1		31.9		96.1		7.2		20.8		14		92				<0.2		1.2	
IM7	Fine	Moderate	13:22	8.2	Surface	1.0	0.5	211	20.6	20.6	8.1	8.1	31.1	31.1	93.6	93.6	7.0	7.0	12.8	16.7	16	14	84	88	821355	806855	<0.2	<0.2	1.2	1.2
						1.0	0.6	218	20.6		8.1		31.2		93.6		7.0		12.8		15		84				<0.2		1.4	
					Middle	4.1	0.3	237	20.6	20.6	8.1	8.1	31.5	31.5	94.3	94.4	7.0		18.0		14		87				<0.2		1.1	
						4.1	0.4	251	20.6		8.1		31.5		94.4		7.1		18.1		14		88				<0.2		1.2	
					Bottom	7.2	0.2	193	20.6	20.6	8.1	8.1	31.5	31.5	95.2	95.4	7.1	7.1	19.1		10		91				<0.2		1.3	
						7.2	0.2	196	20.6		8.1		31.5		95.5		7.1		19.2		12		91				<0.2		1.1	
IM8	Fine	Moderate	13:44	7.9	Surface	1.0	0.3	47	20.9	20.9	8.1	8.1	31.3	31.3	90.9	91.0	6.8	6.8	11.5	13.7	9	10	83	87	821850	808160	<0.2	<0.2	1.0	1.1
						1.0	0.3	47	20.9		8.1		31.3		91.0		6.8		11.5		8		84				<0.2		1.1	
					Middle	4.0	0.3	62	20.9	20.9	8.1	8.1	31.6	31.6	91.3	91.4	6.8		13.9		11		85				<0.2		1.1	
						4.0	0.3	63	20.8		8.1		31.6		91.4		6.8		13.8		11		85				<0.2		1.0	
					Bottom	6.9	0.3	19	20.8	20.9	8.1	8.1	31.6	31.6	92.1	92.3	6.8	6.9	15.8		10		91				<0.2		1.0	
						6.9	0.3	19	20.9		8.1		31.6		92.4		6.9		15.9		12		91				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	13:49	7.5	Surface	1.0	0.3	345	20.9	20.9	8.1	8.1	31.2	31.2	90.5	90.6	6.7	6.8	11.3	15.4	7	7	84	88	822090	808808	<0.2	<0.2	1.0	1.0
						1.0	0.3	317	20.9		8.1		31.3		90.6		6.7		11.3		7		84				<0.2		1.0	
					Middle	3.8	0.3	348	20.9	20.9	8.1	8.1	31.4	31.4	91.1	91.2	6.8		15.7		7		87				<0.2		1.1	
						3.8	0.4	351	20.9		8.1		31.4		91.2		6.8		15.6		7		88				<0.2		1.1	
					Bottom	6.5	0.2	19	20.8	20.8	8.1	8.1	31.5	31.5	92.1	92.6	6.9	6.9	19.1		7		91				<0.2		1.0	
						6.5	0.3	19	20.8		8.1		31.5		93.1		6.9		19.1		8		91				<0.2		1.0	
IM10	Fine	Moderate	13:57	8.3	Surface	1.0	0.3	24	20.8	20.8	8.1	8.1	31.8	31.8	90.9	90.9	6.8	6.8	15.4	16.9	11	10	83	88	822408	809791	<0.2	<0.2	1.2	1.0
						1.0	0.3	24	20.8		8.1		31.8		90.9		6.8		15.5		11		84				<0.2		1.1	
					Middle	4.2	0.3	33	20.8	20.8	8.1	8.1	31.8	31.8	91.0	91.1	6.8		18.8		11		88				<0.2		0.9	
						4.2	0.3	34	20.8		8.1		31.8		91.1		6.8		18.8		10		89				<0.2		0.9	
					Bottom	7.3	0.3	100	20.8	20.8	8.1	8.1	31.8	31.8	91.5	91.6	6.8	6.8	16.5		8		91				<0.2		0.9	
						7.3	0.3	103	20.8		8.1		31.8		91.7		6.8		16.6		7		91				<0.2		1.0	
IM11	Fine	Moderate	14:08	9.2	Surface	1.0	0.3	284	20.9	20.9	8.1	8.1	31.8	31.8	90.5	90.5	6.7	6.7	17.3	19.3	7	8	83	88	822044	811442	<0.2	<0.2	0.9	0.9
						1.0	0.3	290	20.9		8.1		31.8		90.5		6.7		17.2		8		83				<0.2		0.8	
					Middle	4.6	0.3	82	20.9	20.9	8.1	8.1	31.8	31.8	90.5	90.6	6.7		19.8		8		89				<0.2		0.8	
						4.6	0.3	83	20.9		8.1		31.8		90.6		6.7		19.9		8		89				<0.2		0.8	
					Bottom	8.2	0.2	80	20.9	20.9	8.1	8.1	31.8	31.8	90.7	90.7	6.7	6.7	20.8		9		91				<0.2		0.9	
						8.2	0.2	86	20.9		8.1		31.8		90.7		6.7		20.9		10		91				<0.2		0.9	
IM12	Fine	Moderate	14:15	9.4	Surface	1.0	0.3	264	20.8	20.8	8.1	8.1	31.8	31.8	91.4	91.4	6.8	6.8	14.2	15.3	7	7	84	88	821450	812036	<0.2	<0.2	1.1	1.0
						1.0	0.3	289	20.8		8.1		31.8		91.4		6.8		14.2		7		84				<0.2		0.9	
					Middle	4.7	0.4	64	20.8	20.8	8.1	8.1	31.8	31.8	91.5	91.6	6.8		15.5		8		88				<0.2		1.0	
						4.7	0.4	66	20.8		8.1		31.8		91.6		6.8		15.5		7		88				<0.2		1.1	
					Bottom	8.4	0.3	66	20.8	20.8	8.1	8.1	31.8	31.8	92.2	92.4	6.8	6.9	16.2		6		92				<0.2		0.8	
						8.4	0.3	65	20.8		8.1		31.8		92.5		6.9		16.2		6		92				<0.2		0.9	
SR1A	Fine	Moderate	14:25	4.2	Surface	1.0	-	-	20.8	20.8	8.1	8.1	31.6	31.6	90.4	90.5	6.7	6.7	10.0	10.2	7	7	-	-	820073	812585	-	-	-	-
						1.0	-	-	20.8		8.1		31.6		90.5		6.7		10.1		7		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	20.8	20.8	8.1	8.1	31.6	31.6	91.0	91.2	6.8	6.8	10.2		8		-				-		-	
						3.2	-	-	20.8		8.1		31.6		91.3		6.8		10.2		7		-				-		-	
SR2	Fine	Moderate	14:36	5.9	Surface	1.0	0.4	308	21.0	21.0	8.1	8.1	31.8	31.8	90.5	90.6	6.7	6.7	12.3	13.9	8	9	83	84	821470	814151	<0.2	<0.2	0.9	0.9
						1.0	0.5	317	21.0		8.1		31.8		90.6		6.7		12.3		8		83				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	0.3	96	21.0	21.0	8.1	8.1	31.8	31.8	91.2	91.4	6.8	6.8	15.5		11		85				<0.2		1.0	
						4.9	0.3	114	21.0		8.1		31.8		91.6		6.8		15.5		10		85				<0.2		0.9	
SR3	Fine	Moderate	13:39	7.5	Surface	1.0	0.1	245	20.9	20.9	8.1	8.1	30.8	30.9	90.0	90.0	6.7	6.7	13.2	16.3	9	9	-	-	822150	807554	-	-	-	-
						1.0	0.1	248	20.9		8.1		30.9		90.0		6.7		13.3		10		-				-		-	
					Middle	3.8	0.2	134	20.9	20.9	8.1	8.1	31.2	31.2	90.6	90.7	-		16.9		8		-				-		-	
						3.8	0.2	134	20.9		8.1		31.2		90.7		-		16.8		8		-				-		-	
					Bottom	6.5	0.2	207	20.9	20.9	8.1	8.1	31.2	31.2	91.4	91.6	6.8	6.8	18.9		8		-				-		-	
						6.5	0.2	207	20.9		8.1		31.2		91.8		6.8		18.9		8		-				-		-	
SR4A	Fine	Moderate	14:35	8.6	Surface	1.0	0.3	87	20.7	20.7	8.1	8.1	32.1	32.1	94.3	94.4	7.0	7.1	14.6	16.0	18	17	-	-	817188	807826	-	-	-	-
						1.0	0.3	94	20.7		8.1		32.1		94.4		7.0		14.7		18		-				-		-	
					Middle	4.3	0.2	80	20.7	20.7	8.1	8.1	32.1	32.1	95.1	95.3	7.1		16.1		18		-				-		-	
						4.3	0.2	85	20.7		8.1		32.1		95.4		7.1		15.2		16		-				-		-	
					Bottom	7.6	0.2	89	20.7	20.7	8.1	8.1	32.1	32.1	96.4	96.9	7.2	7.2	17.6		16		-				-		-	
						7.6	0.2	91	20.7		8.1		32.1		97.3		7.2		17.6		16		-				-		-	
SR5A	Fine	Moderate	14:48	4.7	Surface	1.0	0.1	22	20.7	20.7	8.1	8.1	32.7	32.7	91.4	91.5	6.8	6.8	9.9	10.6	17	17	-	-	816583	810719	-	-	-	-
						1.0	0.1	23	20.7		8.1		32.7		91.5		6.8		9.8		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	113	20.7	20.7	8.1	8.1	32.7	32.7	92.0	92.1	6.8	6.8	11.4		17		-				-		-	
						3.7	0.1	122	20.7		8.1		32.7		92.2		6.8		11.4		17		-				-		-	
SR6	Fine	Moderate	14:52	3.6	Surface	1.0	0.1	280	20.8	20.8	8.1	8.1	32.9	32.9	89.9	89.9	6.6	6.6	9.3	10.0	18	18	-	-	817888	814640	-	-	-	-
						1.0	0.1	305	20.8		8.1		32.9		89.9		6.6		9.2		18		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	96	20.8	20.8	8.1	8.1	32.9	32.9	89.9	90.0	6.6	6.6	10.8		18		-				-		-	
						2.6	0.1	98	20.8		8.1		32.9		90.0		6.6		10.8		17		-				-		-	
SR7	Fine	Moderate	15:26	16.3	Surface	1.0	0.2	4	21.1	21.1	8.1	8.1	32.6	32.6	86.4	86.4	6.4	6.4	9.1	10.2	12	12	-	-	823655	823749	-	-	-	-
						1.0	0.2	4	21.1		8.1		32.6		86.4		6.4		9.0		12		-				-		-	
					Middle	8.2	0.1	78	21.1	21.1	8.1	8.1	32.6	32.6	86.5	86.5	-		10.7		12		-				-		-	
						8.2	0.1	82	21.1		8.1		32.6		86.5		-		10.7		12		-				-		-	
					Bottom	15.3	0.2	70	21.1	21.1	8.1	8.1	32.6	32.6	86.6	86.9	6.4	6.4	10.7		11		-				-		-	
						15.3	0.2	75	21.1		8.1		32.6		87.2		6.4		10.8		12		-				-		-	
SR8	Fine	Moderate	14:20	4.6	Surface	1.0	-	-	20.8	20.8	8.1	8.1	31.8	31.8	91.9	91.9	6.8	6.8	10.8	11.7	7	8	-	-	820515	811643	-	-	-	-
						1.0	-	-	20.8		8.1		31.8		91.9		6.8		10.9		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	20.8	20.8	8.1	8.1	31.8	31.8	92.8	93.0	6.9	6.9	12.6		9		-				-		-	
						3.6	-	-	20.8		8.1		31.8		93.2		6.9		12.6		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	09:45	9.2	Surface	1.0	0.2	11	20.5	20.5	8.1	8.1	32.0	32.0	94.3	94.3	7.0	7.0	7.9	8.6	11	10	83	87	815604	804242	<0.2	<0.2	1.2	1.3
						1.0	0.2	11	20.5		8.1		32.0		94.3		7.0		7.9		10		83				<0.2		1.3	
					Middle	4.6	0.1	98	20.5	20.5	8.1	8.1	32.0	32.0	94.5	94.6	-		8.3		9		88				<0.2		1.4	
						4.6	0.1	105	20.5		8.1		32.0		94.6		-		8.3		9		88				<0.2		1.3	
					Bottom	8.2	0.0	61	20.5	20.5	8.1	8.1	32.0	32.0	95.1	95.3	7.1	7.1	9.6		9		91				<0.2		1.3	
						8.2	0.0	63	20.5		8.1		32.0		95.4		7.1		9.6		9		91				<0.2		1.2	
C2	Fine	Moderate	10:01	8.4	Surface	1.0	0.3	333	21.0	21.0	8.1	8.1	30.8	30.8	89.1	89.1	6.6	6.7	13.1	14.2	11	10	83	88	825691	806955	<0.2	<0.2	1.0	1.0
						1.0	0.3	353	21.0		8.1		30.8		89.1		6.6		13.3		12		84				<0.2		1.1	
					Middle	4.2	0.3	347	21.0	21.0	8.1	8.1	30.9	31.0	89.3	89.4	6.7		13.8		9		88				<0.2		1.0	
						4.2	0.3	355	21.0		8.1		31.0		89.4		6.7		13.8		9		89				<0.2		0.9	
					Bottom	7.4	0.4	2	21.0	21.0	8.1	8.1	31.1	31.1	89.5	89.5	6.7	6.7	15.5		10		92				<0.2		0.9	
						7.4	0.4	2	21.0		8.1		31.1		89.5		6.7		15.5		10		92				<0.2		1.0	
C3	Fine	Moderate	08:30	11.6	Surface	1.0	0.3	272	21.0	21.0	8.1	8.1	31.8	31.8	89.6	89.6	6.6	6.6	10.0	15.2	10	10	83	88	822103	817780	<0.2	<0.2	0.8	1.0
						1.0	0.3	288	21.0		8.1		31.8		89.6		6.6		10.4		10		83				<0.2		1.0	
					Middle	5.8	0.3	270	21.0	21.0	8.1	8.1	31.8	31.8	89.7	89.7	6.6		16.6		11		87				<0.2		1.0	
						5.8	0.3	296	21.0		8.1		31.8		89.7		6.6		16.6		11		88				<0.2		0.9	
					Bottom	10.6	0.3	283	21.0	21.0	8.1	8.1	31.8	31.8	89.8	89.8	6.6	6.6	18.8		10		92				<0.2		0.9	
						10.6	0.4	295	21.0		8.1		31.8		89.8		6.6		18.9		9		92				<0.2		1.1	
IM1	Fine	Moderate	09:54	5.2	Surface	1.0	0.0	325	20.5	20.5	8.1	8.1	32.0	32.0	94.8	94.8	7.1	7.1	15.2	17.6	12	13	83	86	817942	807118	<0.2	<0.2	1.2	1.2
						1.0	0.0	347	20.5		8.1		32.0		94.8		7.1		15.3		14		84				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	77	20.5	20.5	8.1	8.1	32.0	32.0	95.0	95.1	7.1	7.1	20.0		13		87				<0.2		1.2	
						4.2	0.1	78	20.5		8.1		32.0		95.1		7.1		20.0		14		88				<0.2		1.2	
IM2	Fine	Moderate	09:59	6.8	Surface	1.0	0.3	62	20.5	20.5	8.1	8.1	32.2	32.2	95.1	95.1	7.1	7.1	15.2	17.7	13	12	83	88	818153	806181	<0.2	<0.2	1.2	1.3
						1.0	0.3	61	20.5		8.1		32.2		95.1		7.1		15.3		13		84				<0.2		1.3	
					Middle	3.4	0.2	68	20.5	20.5	8.1	8.1	32.2	32.2	95.0	95.0	7.1		18.6		13		88				<0.2		1.2	
						3.4	0.2	71	20.5		8.1		32.2		95.0		7.1		18.5		12		88				<0.2		1.2	
					Bottom	5.8	0.1	102	20.5	20.5	8.1	8.1	32.2	32.2	95.0	95.0	7.1	7.1	19.2		12		92				<0.2		1.3	
						5.8	0.1	109	20.5		8.1		32.2		95.0		7.1		19.3		11		92				<0.2		1.3	
IM3	Fine	Moderate	10:08	7.3	Surface	1.0	0.3	60	20.5	20.5	8.1	8.1	32.1	32.1	94.2	94.2	7.0	7.0	15.6	17.1	11	12	84	88	818769	805570	<0.2	<0.2	1.2	1.2
						1.0	0.3	62	20.5		8.1		32.1		94.2		7.0		15.5		12		84				<0.2		1.4	
					Middle	3.7	0.3	61	20.5	20.5	8.1	8.1	32.1	32.1	94.4	94.5	7.0		17.7		12		88				<0.2		1.1	
						3.7	0.3	61	20.5		8.1		32.1		94.5		7.0		17.7		12		88				<0.2		1.2	
					Bottom	6.3	0.2	44	20.5	20.5	8.1	8.1	32.1	32.1	95.3	95.5	7.1	7.1	18.1		12		91				<0.2		1.2	
						6.3	0.2	50	20.5		8.1		32.1		95.7		7.1		18.1		12		92				<0.2		1.3	
IM4	Fine	Moderate	10:17	7.5	Surface	1.0	0.6	39	20.5	20.5	8.1	8.1	31.9	31.9	94.4	94.4	7.0	7.0	16.2	18.0	18	18	83	88	819733	804597	<0.2	<0.2	1.5	1.3
						1.0	0.7	38	20.5		8.1		31.9		94.4		7.0		16.2		19		84				<0.2		1.3	
					Middle	3.8	0.5	67	20.5	20.5	8.1	8.1	31.9	31.9	94.4	94.4	7.0		18.4		18		87				<0.2		1.3	
						3.8	0.5	69	20.5		8.1		31.9		94.4		7.0		18.3		18		88				<0.2		1.2	
					Bottom	6.5	0.4	120	20.5	20.5	8.1	8.1	31.9	31.9	94.7	94.8	7.1	7.1	19.3		16		91				<0.2		1.2	
						6.5	0.5	135	20.5		8.1		31.9		94.9		7.1		19.4		16		92				<0.2		1.2	
IM5	Fine	Moderate	10:23	8.4	Surface	1.0	0.7	32	20.6	20.6	8.1	8.1	31.7	31.7	94.0	94.0	7.0	7.0	17.7	19.2	13	13	83	87	820740	804855	<0.2	<0.2	1.3	1.3
						1.0	0.7	33	20.6		8.1		31.7		94.0		7.0		17.6		12		83				<0.2		1.3	
					Middle	4.2	0.6	71	20.6	20.6	8.1	8.1	31.7	31.7	94.1	94.1	7.0		19.6		14		87				<0.2		1.3	
						4.2	0.6	74	20.6		8.1		31.7		94.1		7.0		19.7		14		87				<0.2		1.4	
					Bottom	7.4	0.4	90	20.6	20.6	8.1	8.1	31.7	31.7	94.5	94.7	7.1	7.1	20.2		12		91				<0.2		1.3	
						7.4	0.5	100	20.6		8.1		31.7		94.8		7.1		20.3		13		92				<0.2		1.2	
IM6	Fine	Moderate	10:28	8.6	Surface	1.0	0.6	70	20.6	20.6	8.1	8.1	31.3	31.3	93.7	93.7	7.0	7.0	15.3	17.6	13	13	83	88	821073	805834	<0.2	<0.2	1.2	1.2
						1.0	0.6	76	20.6		8.1		31.3		93.7		7.0		15.3		12		83				<0.2		1.2	
					Middle	4.3	0.4	66	20.6	20.6	8.1	8.1	31.4	31.4	93.7	93.7	7.0		17.7		13		88				<0.2		1.3	
						4.3	0.4	65	20.6		8.1		31.4		93.7		7.0		17.7		13		88				<0.2		1.3	
					Bottom	7.6	0.4	95	20.6	20.6	8.1	8.1	31.4	31.4	93.8	93.8	7.0	7.0	19.8		14		91				<0.2		1.1	
						7.6	0.4	93	20.6		8.1		31.4		93.8		7.0		19.9		14		92				<0.2		1.0	
IM7	Fine	Moderate	10:43	7.9	Surface	1.0	0.6	54	20.6	20.6	8.1	8.1	31.1	31.1	93.3	93.3	7.0	7.0	12.5	15.3	15	16	83	87	821361	806849	<0.2	<0.2	1.2	1.2
						1.0	0.6	58	20.6		8.1		31.1		93.3		7.0		12.6		16		83				<0.2		1.1	
					Middle	4.0	0.5	62	20.6	20.6	8.1	8.1	31.2	31.2	93.8	93.9	7.0		14.9		15		87				<0.2		1.0	
						4.0	0.6	66	20.6		8.1		31.2		93.9		7.0		14.9		15		87				<0.2		1.1	
					Bottom	6.9	0.4	102	20.6	20.6	8.1	8.1	31.3	31.3	94.3	94.4	7.1	7.1	18.6		18		91				<0.2		1.3	
						6.9	0.4	102	20.6		8.1		31.3		94.4		7.1		18.7		18		92				<0.2		1.2	
IM8	Fine	Moderate	09:43	7.4	Surface	1.0	0.2	285	20.9	20.9	8.1	8.1	31.0	31.1	90.1	90.1	6.7	6.7	15.4	17.6	11	10	83	87	821827	808122	<0.2	<0.2	0.9	1.0
						1.0	0.2	299	20.9		8.1		31.1		90.1		6.7		15.4		12		83				<0.2		1.1	
					Middle	3.7	0.2	306	20.9	20.9	8.1	8.1	31.2	31.2	90.2	90.3	6.7		17.9		11		88				<0.2		1.0	
						3.7	0.3	315	20.9		8.1		31.2		90.3		6.7		17.8		10		88				<0.2		1.1	
					Bottom	6.4	0.3	301	20.9	20.9	8.1	8.1	31.2	31.2	90.4	90.4	6.7	6.7	19.5		7		91				<0.2		0.9	
						6.4	0.3	307	20.9		8.1		31.2		90.4		6.7		19.4		8		91				<0.2		1.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	09:38	7.5	Surface	1.0	0.4	298	20.9	20.9	8.1	8.1	31.4	31.4	90.3	90.3	6.7	6.7	16.4	18.0	9	8	83	88	822075	808812	<0.2	<0.2	0.8	0.9
						1.0	0.4	299	20.9		8.1		31.4		90.3		6.7		16.3		9		83				<0.2		1.0	
					Middle	3.8	0.5	300	20.9	20.9	8.1	8.1	31.4	31.4	90.4	90.5	6.7		18.0		8		88				<0.2		0.9	
						3.8	0.5	321	20.9		8.1		31.4		90.5		6.7		18.0		7		88				<0.2		0.9	
					Bottom	6.5	0.4	319	20.9	20.9	8.1	8.1	31.4	31.4	90.8	91.0	6.8	6.8	19.7		7		91				<0.2		1.0	
						6.5	0.5	326	20.9		8.1		31.4		91.1		6.8		19.7		8		92				<0.2		0.8	
IM10	Fine	Moderate	09:32	8.5	Surface	1.0	0.5	306	20.9	20.9	8.1	8.1	31.6	31.6	90.7	90.7	6.7	6.7	13.4	17.6	13	9	84	88	822399	809776	<0.2	<0.2	0.9	0.9
						1.0	0.5	306	20.9		8.1		31.6		90.7		6.7		13.4		12		84				<0.2		0.8	
					Middle	4.3	0.5	305	20.9	20.9	8.1	8.1	31.6	31.6	90.7	90.7	6.7		19.1		8		88				<0.2		1.0	
						4.3	0.5	309	20.9		8.1		31.6		90.7		6.7		19.1		7		88				<0.2		0.9	
					Bottom	7.5	0.4	307	20.9	20.9	8.1	8.1	31.6	31.6	91.0	91.1	6.8	6.8	20.2		8		91				<0.2		1.0	
						7.5	0.4	320	20.9		8.1		31.6		91.1		6.8		20.3		8		92				<0.2		1.0	
IM11	Fine	Moderate	09:23	7.9	Surface	1.0	0.5	268	20.8	20.9	8.1	8.1	31.8	31.8	90.7	90.7	6.7	6.7	16.0	17.7	10	10	83	88	822042	811457	<0.2	<0.2	0.9	0.9
						1.0	0.5	291	20.9		8.1		31.8		90.7		6.7		15.9		9		83				<0.2		1.0	
					Middle	4.0	0.3	299	20.9	20.9	8.1	8.1	31.8	31.8	90.8	90.9	6.7		18.4		10		88				<0.2		1.0	
						4.0	0.3	304	20.9		8.1		31.8		90.9		6.7		18.3		11		88				<0.2		1.0	
					Bottom	6.9	0.3	286	20.8	20.8	8.1	8.1	31.8	31.8	91.7	91.9	6.8	6.8	18.7		11		92				<0.2		0.8	
						6.9	0.3	306	20.8		8.1		31.8		92.0		6.8		18.7		11		92				<0.2		0.9	
IM12	Fine	Moderate	09:17	8.2	Surface	1.0	0.4	264	20.8	20.8	8.1	8.1	31.9	31.9	91.4	91.4	6.8	6.8	18.6	20.0	10	10	84	88	821468	812048	<0.2	<0.2	1.0	1.0
						1.0	0.4	265	20.8		8.1		31.9		91.4		6.8		18.6		10		84				<0.2		1.0	
					Middle	4.1	0.4	271	20.8	20.8	8.1	8.1	31.9	31.9	91.2	91.2	6.8		20.4		10		88				<0.2		0.9	
						4.1	0.4	278	20.8		8.1		31.9		91.2		6.8		20.3		10		88				<0.2		1.0	
					Bottom	7.2	0.4	278	20.8	20.8	8.1	8.1	31.9	31.9	91.0	91.0	6.8	6.8	20.9		9		91				<0.2			
						7.2	0.4	287	20.8		8.1		31.9		91.0		6.8		21.0		9		92				<0.2		1.0	
SR1A	Fine	Moderate	09:00	5.1	Surface	1.0	-	-	20.8	20.8	8.1	8.1	31.7	31.7	90.6	90.7	6.7	6.7	9.8	10.1	7	9	-	-	820067	812581	-	-	0.9	-
						1.0	-	-	20.8		8.1		31.7		90.7		6.7		9.8		7		-				-		1.0	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	20.8	20.8	8.1	8.1	31.7	31.7	90.9	91.0	6.8	6.8	10.4		11		-				-		-	
						4.1	-	-	20.8		8.1		31.7		91.0		6.8		10.5		11		-				-		-	
SR2	Fine	Moderate	08:50	5.2	Surface	1.0	0.7	291	20.8	20.8	8.1	8.1	31.8	31.8	91.6	91.6	6.8	6.8	15.7	18.1	7	8	83	84	821443	814175	<0.2	<0.2	1.0	1.0
						1.0	0.7	300	20.8		8.1		31.8		91.6		6.8		15.8		6		83				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.6	294	20.8	20.8	8.1	8.1	31.9	31.9	91.7	91.7	6.8	6.8	20.4		10		84				<0.2		0.9	
						4.2	0.6	294	20.8		8.1		31.9		91.7		6.8		20.4		10		85				<0.2		1.0	
SR3	Fine	Moderate	09:47	8.1	Surface	1.0	0.2	353	20.9	20.9	8.1	8.1	30.8	30.8	89.7	89.8	6.7	6.7	13.7	15.5	8	7	-	-	822137	807578	-	-	-	-
						1.0	0.2	325	20.9		8.1		30.8		89.8		6.7		13.7		8		-				-		-	
					Middle	4.1	0.2	350	20.9	20.9	8.1	8.1	30.9	30.9	90.1	90.2	6.7		15.6		8		-				-		-	
						4.1	0.2	356	20.9		8.1		30.9		90.2		6.7		15.5		8		-				-		-	
					Bottom	7.1	0.2	342	20.9	20.9	8.1	8.1	31.1	31.1	91.4	91.7	6.8	6.8	17.4		6		-				-		-	
						7.1	0.2	345	20.9		8.1		31.1		91.9		6.8		17.5		6		-				-		-	
SR4A	Fine	Moderate	09:23	8.5	Surface	1.0	0.6	247	20.5	20.5	8.1	8.1	32.2	32.2	95.2	95.2	7.1	7.1	15.0	18.4	9	8	-	-	817199	807795	-	-	-	-
						1.0	0.6	259	20.5		8.1		32.2		95.2		7.1		15.0		9		-				-		-	
					Middle	4.3	0.5	250	20.5	20.5	8.1	8.1	32.2	32.2	95.3	95.3	7.1		19.6		8		-				-		-	
						4.3	0.5	260	20.5		8.1		32.2		95.3		7.1		19.7		8		-				-		-	
					Bottom	7.5	0.3	267	20.5	20.5	8.1	8.1	32.2	32.2	95.3	95.3	7.1	7.1	20.6		7		-				-		-	
						7.5	0.4	278	20.5		8.1		32.2		95.3		7.1		20.5		7		-				-		-	
SR5A	Fine	Moderate	09:15	4.2	Surface	1.0	0.4	290	20.7	20.7	8.1	8.1	32.1	32.1	93.2	93.2	6.9	6.9	8.4	12.7	9	8	-	-	816582	810681	-	-	-	-
						1.0	0.4	310	20.7		8.1		32.1		93.2		6.9		8.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.2	276	20.7	20.7	8.1	8.1	32.1	32.1	93.2	93.2	6.9	6.9	17.0		8		-				-		-	
						3.2	0.2	297	20.7		8.1		32.1		93.2		6.9		17.0		8		-				-		-	
SR6	Fine	Moderate	09:11	3.8	Surface	1.0	0.3	222	20.7	20.7	8.1	8.1	32.4	32.4	91.6	91.6	6.8	6.8	10.8	12.9	8	9	-	-	817890	814646	-	-	-	-
						1.0	0.3	238	20.7		8.1		32.4		91.6		6.8		10.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	231	20.7	20.7	8.1	8.1	32.4	32.4	91.3	91.3	6.8	6.8	14.9		9		-				-		-	
						2.8	0.2	239	20.7		8.1		32.5		91.3		6.8		15.0		9		-				-		-	
SR7	Fine	Moderate	08:02	15.6	Surface	1.0	0.3	30	21.0	21.0	8.0	8.0	32.1	32.1	88.1	88.1	6.5	6.5	11.9	13.7	11	9	-	-	823647	823718	-	-	-	-
						1.0	0.3	30	21.0		8.0		32.1		88.1		6.5		11.9		12		-				-		-	
					Middle	7.8	0.2	276	21.0	21.0	8.0	8.0	32.1	32.1	87.8	87.8	6.5		13.1		9		-				-		-	
						7.8	0.2	288	21.0		8.0		32.1		87.8		6.5		13.0		8		-				-		-	
					Bottom	14.6	0.2	220	21.0	21.0	8.0	8.0	32.1	32.1	87.8	87.8	6.5	6.5	16.2		8		-				-		-	
						14.6	0.2	221	21.0		8.0		32.1		87.8		6.5		16.3		8		-				-		-	
SR8	Fine	Moderate	09:08	4.3	Surface	1.0	-	-	20.8	20.8	8.1	8.1	31.7	31.7	91.2	91.2	6.8	6.8	12.3	15.0	8	9	-	-	820487	811639	-	-	-	-
						1.0	-	-	20.8		8.1		31.7		91.2		6.8		12.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	20.8	20.8	8.1	8.1	31.7	31.7	91.2	91.2	6.8	6.8	17.6		9		-				-		-	
						3.3	-	-	20.8		8.1		31.7		91.2		6.8		17.5		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	16:30	8.6	Surface	1.0	0.4	155	20.8	20.8	8.1	8.1	31.7	31.7	92.7	92.7	6.9	6.9	10.3	11.4	7	7	95	98	815623	804230	<0.2	<0.2	1.2	1.1
						1.0	0.5	155	20.8		8.1		31.7		92.7		6.9		10.3		8		95				<0.2		1.0	
					Middle	4.3	0.5	143	20.8	20.8	8.1	8.1	31.7	31.7	92.6	92.6	6.9		11.1		8		99				<0.2		1.1	
						4.3	0.5	144	20.8		8.1		31.7		92.6		6.9		11.2		7		100				<0.2		1.1	
					Bottom	7.6	0.3	148	20.8	20.8	8.1	8.1	31.7	31.7	92.5	92.5	6.9	6.9	12.9		7		101				<0.2		1.1	
						7.6	0.3	120	20.8		8.1		31.7		92.5		6.9		12.9		6		100				<0.2		1.2	
C2	Cloudy	Moderate	15:01	10.5	Surface	1.0	0.3	55	20.8	20.8	8.0	8.0	30.2	30.2	91.5	91.5	6.9	6.9	9.1	13.7	8	8	95	99	825699	806945	<0.2	<0.2	2.1	2.2
						1.0	0.3	56	20.8		8.0		30.2		91.5		6.9		9.3		7		96				<0.2		2.1	
					Middle	5.3	0.3	112	20.7	20.7	8.1	8.1	30.3	30.3	91.5	91.5	6.9		11.8		8		99				<0.2		2.1	
						5.3	0.3	112	20.7		8.1		30.3		91.5		6.9		11.4		8		99				<0.2		2.3	
					Bottom	9.5	0.3	132	20.7	20.7	8.1	8.1	30.6	30.6	91.4	91.4	6.9	6.9	20.3		7		103				<0.2		2.3	
						9.5	0.3	134	20.7		8.1		30.5		91.4		6.9		20.3		7		103				<0.2		2.2	
C3	Cloudy	Moderate	16:52	10.5	Surface	1.0	0.1	35	20.8	20.8	8.1	8.1	32.4	32.4	90.2	90.2	6.7	6.7	6.4	10.2	4	5	95	99	822110	817797	<0.2	<0.2	2.0	1.3
						1.0	0.1	36	20.8		8.1		32.4		90.2		6.7		6.5		4		95				<0.2		1.2	
					Middle	5.3	0.2	38	20.8	20.8	8.1	8.1	32.4	32.4	89.9	89.9	6.7		9.5		5		99				<0.2		1.1	
						5.3	0.2	41	20.8		8.1		32.4		89.9		6.7		9.9		6		98				<0.2		1.2	
					Bottom	9.5	0.2	32	20.8	20.8	8.1	8.1	32.5	32.5	91.2	91.3	6.8	6.8	14.7		5		103				<0.2		1.2	
						9.5	0.2	34	20.8		8.1		32.5		91.3		6.8		14.6		5		102				<0.2		1.1	
IM1	Cloudy	Moderate	16:04	5.1	Surface	1.0	0.2	139	20.7	20.7	8.1	8.1	31.6	31.6	93.1	93.1	6.9	6.9	12.4	13.3	9	11	93	95	817949	807117	<0.2	<0.2	1.2	1.2
						1.0	0.2	133	20.7		8.1		31.6		93.1		6.9		12.5		10		94				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	146	20.7	20.7	8.1	8.1	31.6	31.6	93.0	93.0	6.9	6.9	14.1		12		95				<0.2		1.2	
						4.1	0.2	160	20.7		8.1		31.6		93.0		6.9		14.0		11		96				<0.2		1.1	
IM2	Cloudy	Moderate	15:55	7.3	Surface	1.0	0.5	147	20.8	20.8	8.1	8.1	30.4	30.4	92.1	92.1	6.9	6.9	9.4	12.1	12	12	93	97	818167	806142	<0.2	<0.2	1.1	1.1
						1.0	0.5	151	20.8		8.1		30.4		92.1		6.9		9.4		12		93				<0.2		1.1	
					Middle	3.7	0.3	166	20.7	20.7	8.1	8.1	30.6	30.6	91.8	91.8	6.9		13.5		12		96				<0.2		1.1	
						3.7	0.4	148	20.7		8.1		30.6		91.8		6.9		13.7		12		97				<0.2		1.1	
					Bottom	6.3	0.2	236	20.7	20.7	8.1	8.1	30.6	30.6	91.8	91.8	6.9	6.9	13.8		11		100				<0.2		1.0	
						6.3	0.2	253	20.7		8.1		30.6		91.8		6.9		13.1		10		101				<0.2		1.1	
IM3	Cloudy	Moderate	15:48	7.5	Surface	1.0	0.4	133	20.8	20.8	8.1	8.1	31.5	31.5	92.9	92.9	6.9	6.9	12.7	13.4	14	14	93	97	818769	805609	<0.2	<0.2	1.1	1.1
						1.0	0.4	136	20.8		8.1		31.5		92.9		6.9		13.0		14		93				<0.2		1.0	
					Middle	3.8	0.4	121	20.8	20.8	8.1	8.1	31.5	31.5	92.8	92.8	6.9		13.8		13		96				<0.2		1.1	
						3.8	0.4	140	20.8		8.1		31.5		92.8		6.9		13.9		14		97				<0.2		1.2	
					Bottom	6.5	0.4	219	20.8	20.8	8.1	8.1	31.5	31.5	92.9	92.9	6.9	6.9	13.7		15		100				<0.2		1.2	
						6.5	0.4	219	20.8		8.1		31.5		92.9		6.9		13.5		14		100				<0.2		1.2	
IM4	Cloudy	Moderate	15:36	7.6	Surface	1.0	0.5	164	20.7	20.7	8.1	8.1	31.1	31.1	93.6	93.6	7.0	7.0	12.3	12.2	18	18	97	102	819717	804605	<0.2	<0.2	1.1	1.2
						1.0	0.5	157	20.7		8.1		31.1		93.6		7.0		12.1		18		98				<0.2		1.2	
					Middle	3.8	0.4	257	20.7	20.7	8.1	8.1	31.3	31.3	93.5	93.5	7.0		11.8		14		102				<0.2		1.2	
						3.8	0.4	228	20.7		8.1		31.3		93.5		7.0		11.8		13		103				<0.2		1.2	
					Bottom	6.6	0.4	236	20.7	20.7	8.1	8.1	31.5	31.5	93.5	93.5	7.0	7.0	12.5		21		104				<0.2		1.1	
						6.6	0.4	233	20.7		8.1		31.5		93.5		7.0		12.5		21		105				<0.2		1.1	
IM5	Cloudy	Moderate	15:24	6.4	Surface	1.0	0.5	159	20.8	20.8	8.1	8.1	30.7	30.7	92.9	92.9	7.0	7.0	10.6	11.8	16	18	97	100	820721	804880	<0.2	<0.2	1.2	1.2
						1.0	0.5	162	20.7		8.1		30.8		92.9		7.0		11.0		16		98				<0.2		1.2	
					Middle	3.2	0.4	218	20.7	20.7	8.1	8.1	30.9	30.9	92.8	92.8	6.9		11.4		19		100				<0.2		1.0	
						3.2	0.5	219	20.7		8.1		30.9		92.8		7.0		11.3		18		101				<0.2		1.2	
					Bottom	5.4	0.1	231	20.6	20.6	8.1	8.1	31.2	31.1	92.7	92.7	6.9	6.9	13.4		20		101				<0.2		1.2	
						5.4	0.1	250	20.6		8.1		31.1		92.7		6.9		13.4		20		102				<0.2		1.2	
IM6	Cloudy	Moderate	15:13	7.3	Surface	1.0	0.1	134	20.8	20.8	8.1	8.1	30.7	30.7	93.2	93.2	7.0	7.0	11.6	13.7	11	11	94	99	821062	805806	<0.2	<0.2	1.2	1.2
						1.0	0.1	154	20.8		8.1		30.7		93.2		7.0		11.8		11		95				<0.2		1.2	
					Middle	3.7	0.1	217	20.7	20.7	8.1	8.1	30.9	30.9	93.5	93.5	7.0		12.1		11		99				<0.2		1.2	
						3.7	0.2	225	20.7		8.1		30.9		93.5		7.0		12.2		11		99				<0.2		1.1	
					Bottom	6.3	0.1	242	20.7	20.7	8.1	8.1	31.1	31.1	94.7	94.9	7.1	7.1	17.1		12		103				<0.2		1.2	
						6.3	0.1	216	20.7		8.1		31.1		95.0		7.1		17.1		12		104				<0.2		1.2	
IM7	Cloudy	Moderate	15:03	7.9	Surface	1.0	0.0	243	20.7	20.7	8.1	8.1	30.2	30.2	91.5	91.5	6.9	6.9	9.3	11.3	9	8	91	95	821349	806826	<0.2	<0.2	1.1	1.2
						1.0	0.0	235	20.7		8.1		30.2		91.5		6.9		9.3		8		91				<0.2		1.2	
					Middle	4.0	0.1	216	20.7	20.7	8.1	8.1	30.3	30.3	91.5	91.5	6.9		11.1		8		94				<0.2		1.2	
						4.0	0.2	227	20.7		8.1		30.4		91.5		6.9		11.3		7		95				<0.2		1.2	
					Bottom	6.9	0.1	236	20.7	20.7	8.1	8.1	30.5	30.5	91.4	91.4	6.9	6.9	13.6		8		98				<0.2		1.2	
						6.9	0.1	209	20.7		8.1		30.5		91.4		6.9		13.6		8		99				<0.2		1.1	
IM8	Cloudy	Moderate	15:30	8.0	Surface	1.0	0.2	76	20.7	20.7	8.1	8.1	31.0	31.0	93.5	93.5	7.0	7.0	17.2	19.6	15	20	96	99	821820	808161	<0.2	<0.2	1.6	1.6
						1.0	0.2	82	20.7		8.1		31.0		93.5		7.0		17.3		16		95				<0.2		1.6	
					Middle	4.0	0.2	51	20.7	20.7	8.1	8.1	31.2	31.2	93.6	93.6	7.0		20.0		18		98				<0.2		1.6	
						4.0	0.3	54	20.7		8.1		31.2		93.6		7.0		20.2		19		98				<0.2		1.6	
					Bottom	7.0	0.3	49	20.7	20.7	8.1	8.1	31.3	31.3	93.9	94.0	7.0	7.0	21.3		24		102				<0.2		1.7	
						7.0	0.3	52	20.7		8.1		31.3		94.0		7.0		21.5		25		102				<0.2		1.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:36	7.5	Surface	1.0	0.0	66	20.8	20.8	8.2	8.2	30.7	30.7	93.7	93.7	7.0	7.0	16.0	19.4	16	16	94	98	822099	808789	0.3	0.3	1.7	1.8
						1.0	0.0	72	20.8		8.2		30.7		93.7		7.0		16.0		17		94				0.3		1.8	
					Middle	3.8	0.0	63	20.7	20.7	8.3	8.3	30.8	30.8	93.5	93.6	7.0		20.7		16		98				0.4		1.7	
						3.8	0.0	67	20.7		8.3		30.8		93.6		7.0		20.7		16		98				0.3		1.8	
					Bottom	6.5	0.0	1	20.7	20.7	8.3	8.3	30.8	30.8	94.0	94.1	7.0	7.0	21.4		16		102				0.3		1.9	
						6.5	0.0	1	20.7		8.3		30.8		94.1		7.0		21.6		16		102				0.3		1.8	
IM10	Cloudy	Moderate	15:44	8.1	Surface	1.0	0.4	130	20.7	20.7	8.1	8.1	31.1	31.1	93.6	93.6	7.0	7.0	12.1	13.7	14	14	94	98	822378	809775	<0.2	<0.2	1.6	1.6
						1.0	0.4	149	20.7		8.1		31.1		93.6		7.0		12.2		14		94				<0.2		1.4	
					Middle	4.1	0.3	118	20.7	20.7	8.1	8.1	31.4	31.4	93.6	93.6	7.0		13.7		14		98				<0.2		1.6	
						4.1	0.4	125	20.7		8.1		31.4		93.6		7.0		13.9		15		98				<0.2		1.7	
					Bottom	7.1	0.4	198	20.7	20.7	8.1	8.1	31.6	31.6	93.9	93.9	7.0	7.0	15.2		14		101				<0.2		1.5	
						7.1	0.4	212	20.7		8.1		31.6		93.9		7.0		14.9		13		102				<0.2		1.7	
IM11	Cloudy	Moderate	15:58	8.7	Surface	1.0	0.4	184	20.8	20.8	8.1	8.1	31.5	31.5	93.2	93.2	6.9	6.9	12.7	13.4	11	11	95	99	822079	811444	<0.2	<0.2	1.3	1.4
						1.0	0.4	209	20.8		8.1		31.5		93.2		6.9		12.8		10		95				<0.2		1.3	
					Middle	4.4	0.4	184	20.8	20.8	8.1	8.1	31.5	31.5	93.3	93.3	6.9		13.6		12		99				<0.2		1.4	
						4.4	0.5	200	20.8		8.1		31.5		93.3		7.0		13.5		11		100				<0.2		1.4	
					Bottom	7.7	0.3	189	20.8	20.8	8.1	8.1	31.5	31.5	94.2	94.3	7.0	7.0	13.8		11		103				<0.2		1.4	
						7.7	0.3	207	20.8		8.1		31.5		94.4		7.0		13.8		10		103				<0.2		1.4	
IM12	Cloudy	Moderate	16:03	8.2	Surface	1.0	0.5	172	20.7	20.7	8.1	8.1	31.6	31.6	93.2	93.2	6.9	7.0	12.7	14.2	13	13	94	99	821447	812050	<0.2	<0.2	1.3	1.3
						1.0	0.5	181	20.7		8.1		31.6		93.2		6.9		12.9		12		95				<0.2		1.3	
					Middle	4.1	0.5	171	20.7	20.7	8.1	8.1	31.6	31.6	93.3	93.3	7.0		14.4		12		98				<0.2		1.3	
						4.1	0.5	173	20.7		8.1		31.6		93.3		7.0		14.4		13		99				<0.2		1.3	
					Bottom	7.2	0.4	177	20.7	20.7	8.1	8.1	31.6	31.6	94.1	94.2	7.0	7.0	15.3		14		102				<0.2		1.3	
						7.2	0.4	182	20.7		8.1		31.6		94.2		7.0		15.4		13		103				<0.2		1.4	
SR1A	Cloudy	Calm	16:19	5.4	Surface	1.0	-	-	20.8	20.8	8.1	8.1	31.8	31.8	95.1	95.2	7.1	7.1	9.7	9.6	8	7	-	-	820065	812583	-	-	-	-
						1.0	-	-	20.8		8.1		31.8		95.2		7.1		9.7		7		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	-	-	20.8	20.8	8.2	8.2	31.8	31.8	96.3	96.4	7.2	7.2	9.6		7		-				-		-	
						4.4	-	-	20.8		8.2		31.8		96.5		7.2		9.5		7		-				-		-	
SR2	Cloudy	Moderate	16:29	5.8	Surface	1.0	0.4	91	20.8	20.8	8.1	8.1	31.7	31.7	93.3	93.3	6.9	6.9	8.4	9.9	8	8	95	96	821453	814166	<0.2	<0.2	1.4	1.4
						1.0	0.4	97	20.8		8.1		31.7		93.3		6.9		8.5		9		94				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.4	89	20.8	20.8	8.1	8.1	31.7	31.7	94.2	94.4	7.0	7.0	11.9		8		98				<0.2		1.3	
						4.8	0.4	98	20.8		8.1		31.7		94.5		7.0		11.0		8		98				<0.2		1.4	
SR3	Cloudy	Moderate	15:25	8.6	Surface	1.0	0.2	83	20.8	20.8	8.1	8.1	30.7	30.7	93.0	93.1	7.0	7.0	11.5	16.1	12	12	-	-	822156	807592	-	-	-	-
						1.0	0.2	83	20.8		8.1		30.7		93.1		7.0		11.5		12		-				-		-	
					Middle	4.3	0.3	107	20.6	20.6	8.1	8.1	31.1	31.1	92.7	92.7	6.9		16.1		11		-				-		-	
						4.3	0.3	108	20.6		8.1		31.1		92.7		6.9		15.8		12		-				-		-	
					Bottom	7.6	0.3	142	20.6	20.6	8.1	8.1	31.2	31.2	92.6	92.6	6.9	6.9	20.7		10		-				-		-	
						7.6	0.3	146	20.6		8.1		31.2		92.6		6.9		20.8		11		-				-		-	
SR4A	Cloudy	Calm	16:51	8.2	Surface	1.0	0.3	90	30.4	30.4	8.1	8.1	11.2	11.2	99.1	99.0	7.0	7.0	9.6	12.1	10	10	-	-	817211	807789	-	-	-	-
						1.0	0.4	98	30.4		8.1		11.2		98.8		7.0		9.6		11		-				-		-	
					Middle	4.1	0.3	99	29.2	29.2	8.1	8.1	20.0	20.0	84.9	84.8	-		10.6		10		-				-		-	
						4.1	0.3	104	29.2		8.1		20.0		84.7		-		10.7		9		-				-		-	
					Bottom	7.2	0.3	85	28.1	28.1	8.0	8.0	26.8	26.8	74.4	74.7	5.0	5.1	16.0		9		-				-		-	
						7.2	0.4	89	28.1		8.0		26.8		75.0		5.1		16.2		10		-				-		-	
SR5A	Cloudy	Calm	17:10	3.7	Surface	1.0	0.1	101	20.8	20.8	8.1	8.1	32.4	32.4	90.1	90.1	6.7	6.7	6.8	6.7	8	8	-	-	816604	810676	-	-	-	-
						1.0	0.1	111	20.8		8.1		32.4		90.0		6.7		6.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	119	20.8	20.8	8.1	8.1	32.4	32.4	90.0	90.0	6.7	6.7	6.6		8		-				-		-	
						2.7	0.1	120	20.8		8.1		32.4		90.0		6.7		6.6		9		-				-		-	
SR6	Cloudy	Calm	17:35	4.3	Surface	1.0	0.2	102	20.8	20.8	8.1	8.1	32.4	32.4	90.0	90.0	6.7	6.7	6.8	6.7	6	6	-	-	817897	814655	-	-	-	-
						1.0	0.2	104	20.8		8.1		32.4		90.0		6.7		6.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	92	20.8	20.8	8.1	8.1	32.4	32.4	90.0	90.0	6.7	6.7	6.7		6		-				-		-	
						3.3	0.2	98	20.8		8.1		32.4		90.0		6.7		6.7		6		-				-		-	
SR7	Cloudy	Moderate	17:21	17.2	Surface	1.0	0.1	91	20.8	20.8	8.1	8.1	32.7	32.7	88.5	88.5	6.5	6.5	7.5	8.1	6	6	-	-	823623	823752	-	-	-	-
						1.0	0.1	94	20.8		8.1		32.7		88.5		6.5		7.6		6		-				-		-	
					Middle	8.6	0.1	83	20.8	20.8	8.1	8.1	32.7	32.7	88.6	88.6	-		8.2		7		-				-		-	
						8.6	0.1	85	20.8		8.1		32.7		88.6		-		8.2		6		-				-		-	
					Bottom	16.2	0.1	46	20.8	20.8	8.1	8.1	32.7	32.7	89.4	89.5	6.6	6.6	8.3		6		-				-		-	
						16.2	0.1	49	20.8		8.1		32.7		89.6		6.6		8.5		6		-				-		-	
SR8	Cloudy	Moderate	16:12	5.3	Surface	1.0	-	-	20.8	20.8	8.1	8.1	31.4	31.4	94.3	94.3	7.0	7.0	7.7	9.6	5	5	-	-	820491	811647	-	-	-	-
						1.0	-	-	20.8		8.1		31.4		94.3		7.0		7.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	20.7	20.7	8.1	8.1	31.6	31.6	94.6	94.8	7.1	7.1	11.6		4		-				-		-	
						4.3	-	-	20.7		8.1		31.6		94.9		7.1		11.4		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**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	10:51	8.1	Surface	1.0	0.2	33	20.6	20.6	8.1	8.1	31.5	31.5	92.7	92.7	6.9	6.9	15.7	17.9	6	8	95	99	815621	804267	<0.2	<0.2	1.4	1.5
						1.0	0.2	33	20.6		8.1		31.5		92.7		6.9		15.6		7		96				<0.2		1.5	
					Middle	4.1	0.2	40	20.6	20.6	8.1	8.1	31.5	31.5	92.7	92.7	6.9		17.8		8		99				<0.2		1.6	
						4.1	0.2	41	20.6		8.1		31.5		92.7		6.9		17.6		9		99				<0.2		1.5	
					Bottom	7.1	0.3	39	20.6	20.6	8.1	8.1	31.5	31.5	92.7	92.8	6.9	6.9	20.4		8		102				<0.2		1.5	
						7.1	0.3	39	20.6		8.1		31.5		92.8		6.9		20.3		9		102				<0.2		1.5	
C2	Cloudy	Moderate	12:06	10.4	Surface	1.0	0.3	-	20.8	20.8	8.0	8.0	30.2	30.2	91.8	91.8	6.9	6.9	8.7	11.7	9	8	90	94	825697	806966	<0.2	<0.2	2.1	2.0
						1.0	0.3	-	20.8		8.0		30.2		91.8		6.9		8.8		8		90				<0.2		2.0	
					Middle	5.2	0.3	14	20.7	20.7	8.1	8.1	30.5	30.5	92.0	92.0	6.9		10.3		8		95				<0.2		2.1	
						5.2	0.3	15	20.7		8.1		30.5		92.0		6.9		10.0		8		94				<0.2		1.9	
					Bottom	9.4	0.3	35	20.7	20.7	8.1	8.1	30.6	30.6	92.5	92.6	6.9	6.9	16.3		8		99				<0.2		2.1	
						9.4	0.3	35	20.7		8.1		30.6		92.6		6.9		16.2		8		98				<0.2		2.0	
C3	Cloudy	Moderate	10:21	10.3	Surface	1.0	0.5	258	20.8	20.8	8.1	8.1	31.4	31.4	93.1	93.1	6.9	6.9	6.8	11.3	5	6	90	95	822108	817819	<0.2	<0.2	1.5	1.4
						1.0	0.5	263	20.8		8.1		31.4		93.0		6.9		6.8		5		91				<0.2		1.3	
					Middle	5.2	0.5	262	20.7	20.7	8.1	8.1	31.7	31.7	92.8	92.9	6.9		12.5		5		94				<0.2		1.4	
						5.2	0.5	269	20.7		8.1		31.7		92.9		6.9		12.4		6		95				<0.2		1.5	
					Bottom	9.3	0.4	274	20.7	20.7	8.1	8.1	31.8	31.8	93.5	93.6	7.0	7.0	14.8		6		99				<0.2		1.3	
						9.3	0.4	296	20.7		8.1		31.8		93.6		7.0		14.8		6		98				<0.2		1.4	
IM1	Cloudy	Moderate	11:14	5.5	Surface	1.0	0.3	341	20.7	20.7	8.1	8.1	31.8	31.8	93.1	93.1	6.9	6.9	9.4	9.6	13	13	94	95	817972	807115	<0.2	<0.2	1.6	1.5
						1.0	0.3	314	20.7		8.1		31.8		93.1		6.9		9.5		14		95				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.3	11	20.7	20.7	8.1	8.1	31.8	31.8	93.8	93.9	7.0	7.0	9.8		11		96				<0.2		1.5	
						4.5	0.3	11	20.7		8.1		31.8		94.0		7.0		9.8		12		96				<0.2		1.3	
IM2	Cloudy	Moderate	11:22	6.6	Surface	1.0	0.4	10	20.7	20.7	8.1	8.1	31.7	31.7	92.5	92.5	6.9	6.9	15.6	16.8	12	12	92	97	818144	806157	<0.2	<0.2	1.4	1.4
						1.0	0.5	10	20.7		8.1		31.7		92.5		6.9		15.9		12		93				<0.2		1.5	
					Middle	3.3	0.4	5	20.7	20.7	8.1	8.1	31.8	31.8	92.4	92.4	6.9		17.1		13		98				<0.2		1.5	
						3.3	0.4	5	20.7		8.1		31.8		92.4		6.9		17.5		13		98				<0.2		1.5	
					Bottom	5.6	0.3	9	20.7	20.7	8.1	8.1	31.8	31.7	92.5	92.5	6.9	6.9	17.4		12		99				<0.2		1.4	
						5.6	0.3	9	20.7		8.1		31.7		92.5		6.9		17.1		12		100				<0.2		1.3	
IM3	Cloudy	Moderate	11:30	7.0	Surface	1.0	0.5	29	20.7	20.7	8.1	8.1	31.3	31.3	92.2	92.2	6.9	6.9	11.4	16.1	16	18	94	96	818783	805611	<0.2	<0.2	1.4	1.5
						1.0	0.5	29	20.7		8.1		31.4		92.2		6.9		11.8		16		94				<0.2		1.5	
					Middle	3.5	0.4	11	20.7	20.7	8.1	8.1	31.8	31.8	91.9	91.9	6.9		17.1		18		95				<0.2		1.6	
						3.5	0.4	11	20.7		8.1		31.8		91.9		6.8		17.6		18		95				<0.2		1.5	
					Bottom	6.0	0.3	10	20.7	20.7	8.1	8.1	31.8	31.8	91.9	91.9	6.8	6.8	19.3		19		97				<0.2		1.5	
						6.0	0.3	10	20.7		8.1		31.8		91.9		6.8		19.6		20		98				<0.2		1.6	
IM4	Cloudy	Moderate	11:39	7.1	Surface	1.0	0.5	342	20.7	20.7	8.1	8.1	31.1	31.1	93.3	93.3	7.0	7.0	16.2	18.9	10	14	94	96	819737	804593	<0.2	<0.2	1.6	1.6
						1.0	0.5	315	20.7		8.1		31.1		93.3		7.0		16.5		11		93				<0.2		1.6	
					Middle	3.6	0.4	349	20.7	20.7	8.1	8.1	31.1	31.1	93.0	93.0	7.0		20.8		16		95				<0.2		1.7	
						3.6	0.4	321	20.7		8.1		31.1		93.0		7.0		20.7		15		96				<0.2		1.6	
					Bottom	6.1	0.4	9	20.7	20.7	8.1	8.1	31.1	31.1	93.0	93.0	7.0	7.0	19.4		16		100				<0.2		1.6	
						6.1	0.4	9	20.7		8.1		31.1		93.0		7.0		19.6		18		99				<0.2		1.6	
IM5	Cloudy	Moderate	11:50	6.4	Surface	1.0	0.6	6	20.7	20.7	8.1	8.1	30.6	30.6	92.9	92.9	7.0	7.0	15.2	17.3	10	11	93	96	820711	804850	<0.2	<0.2	1.4	1.5
						1.0	0.6	6	20.7		8.1		30.6		92.9		7.0		15.2		10		94				<0.2		1.4	
					Middle	3.2	0.5	8	20.7	20.7	8.1	8.1	30.6	30.6	92.6	92.6	6.9		16.8		10		96				<0.2		1.5	
						3.2	0.6	8	20.7		8.1		30.6		92.6		6.9		16.7		11		96				<0.2		1.4	
					Bottom	5.4	0.5	355	20.7	20.7	8.1	8.1	30.7	30.7	92.6	92.6	6.9	6.9	20.1		13		99				<0.2		1.5	
						5.4	0.6	355	20.7		8.1		30.7		92.6		6.9		20.1		12		100				<0.2		1.6	
IM6	Cloudy	Moderate	12:02	6.1	Surface	1.0	0.2	342	20.7	20.7	8.1	8.1	30.7	30.7	92.6	92.6	6.9	6.9	16.7	19.2	6	7	93	97	821079	805832	<0.2	<0.2	1.6	1.6
						1.0	0.2	356	20.7		8.1		30.7		92.6		6.9		16.7		6		94				<0.2		1.5	
					Middle	3.1	0.1	344	20.7	20.7	8.1	8.1	30.8	30.8	92.5	92.5	6.9		17.2		7		96				<0.2		1.5	
						3.1	0.1	352	20.7		8.1		30.8		92.5		6.9		17.6		8		96				<0.2		1.8	
					Bottom	5.1	0.1	349	20.7	20.7	8.1	8.1	30.8	30.8	92.2	92.2	6.9	6.9	23.9		6		100				<0.2		1.6	
						5.1	0.1	321	20.7		8.1		30.8		92.2		6.9		23.3		7		101				<0.2		1.6	
IM7	Cloudy	Moderate	12:12	7.2	Surface	1.0	0.1	301	20.8	20.8	8.1	8.1	30.5	30.5	92.0	92.0	6.9	6.9	10.0	12.8	7	8	91	96	821367	806817	<0.2	<0.2	1.6	1.6
						1.0	0.1	302	20.8		8.1		30.5		92.0		6.9		10.1		8		92				<0.2		1.6	
					Middle	3.6	0.2	351	20.7	20.7	8.1	8.1	30.6	30.6	91.8	91.9	6.9		13.8		6		95				<0.2		1.7	
						3.6	0.2	323	20.7		8.1		30.6		91.9		6.9		14.0		6		96				<0.2		1.5	
					Bottom	6.2	0.2	353	20.7	20.7	8.1	8.1	30.7	30.6	91.8	91.8	6.9	6.9	14.5		9		100				<0.2		1.5	
						6.2	0.2	357	20.7		8.1		30.6		91.8		6.9		14.5		9		100				<0.2		1.6	
IM8	Cloudy	Moderate	11:41	7.4	Surface	1.0	0.2	100	20.8	20.8	8.1	8.1	30.7	30.7	92.5	92.5	6.9	6.9	18.6	20.7	10	13	91	95	821821	808153	<0.2	<0.2	1.9	1.8
						1.0	0.2	109	20.8		8.1		30.7		92.5		6.9		18.6		10		91				<0.2		1.7	
					Middle	3.7	0.2	97	20.7	20.7	8.1	8.1	30.8	30.8	92.7	92.7	6.9		20.2		14		96				<0.2		1.6	
						3.7	0.2	103	20.7		8.1		30.8		92.7		6.9		20.6		14		95				<0.2		1.8	
					Bottom	6.4	0.2	87	20.7	20.7	8.1	8.1	30.9	30.9	93.1	93.1	7.0	7.0	23.1		15		99				<0.2		1.7	
						6.4	0.2	89	20.7		8.1		30.9		93.1		7.0		23.1		15		99				<0.2		1.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:34	7.1	Surface	1.0	0.3	44	20.7	20.7	8.1	8.1	30.6	30.6	92.8	92.8	7.0	7.0	18.2	20.8	8	18	91	95	822081	808827	<0.2	<0.2	1.7	1.7
						1.0	0.3	46	20.7		8.1		30.6		92.8		7.0		18.2		9		91				<0.2		1.7	
					Middle	3.6	0.2	46	20.7	20.7	8.1	8.1	30.7	30.7	92.8	92.8	7.0		20.7		17		95				<0.2		1.7	
						3.6	0.2	49	20.7		8.1		30.7		92.8		7.0		20.7		18		96				<0.2		1.7	
					Bottom	6.1	0.2	64	20.7	20.7	8.1	8.1	30.7	30.7	93.0	93.0	7.0	7.0	23.7		27		99				<0.2		1.7	
						6.1	0.2	68	20.7		8.1		30.7		93.0		7.0		23.6		29		99				<0.2		1.6	
IM10	Cloudy	Moderate	11:26	7.8	Surface	1.0	0.5	310	20.7	20.7	8.1	8.1	31.1	31.1	93.4	93.4	7.0	7.0	17.5	18.1	14	15	90	95	822404	809801	<0.2	<0.2	1.4	1.4
						1.0	0.5	333	20.7		8.1		31.1		93.4		7.0		17.6		14		90				<0.2		1.4	
					Middle	3.9	0.4	316	20.7	20.7	8.1	8.1	31.1	31.1	93.4	93.4	7.0		16.4		15		95				<0.2		1.4	
						3.9	0.5	329	20.7		8.1		31.1		93.4		7.0		16.5		14		95				<0.2		1.5	
					Bottom	6.8	0.3	318	20.7	20.7	8.1	8.1	31.1	31.1	94.5	94.6	7.1	7.1	20.2		15		98				<0.2		1.4	
						6.8	0.3	341	20.7		8.1		31.1		94.7		7.1		20.2		15		99				<0.2		1.3	
IM11	Cloudy	Moderate	11:15	8.0	Surface	1.0	0.6	288	20.7	20.7	8.1	8.1	31.3	31.3	92.5	92.5	6.9	6.9	10.8	16.0	13	12	90	95	822076	811470	<0.2	<0.2	1.4	1.4
						1.0	0.6	303	20.7		8.1		31.3		92.5		6.9		10.8		12		91				<0.2		1.4	
					Middle	4.0	0.4	290	20.7	20.7	8.1	8.1	31.7	31.7	93.1	93.1	6.9		16.6		12		95				<0.2		1.4	
						4.0	0.4	310	20.7		8.1		31.7		93.1		6.9		16.5		10		96				<0.2		1.3	
					Bottom	7.0	0.4	304	20.7	20.7	8.1	8.1	31.8	31.8	93.4	93.5	7.0	7.0	20.5		11		99				<0.2		1.4	
						7.0	0.4	326	20.7		8.1		31.8		93.5		7.0		20.7		11		99				<0.2		1.5	
IM12	Cloudy	Moderate	11:09	8.2	Surface	1.0	0.5	283	20.7	20.7	8.1	8.1	31.7	31.6	92.7	92.7	6.9	6.9	13.9	17.4	13	13	91	96	821437	812068	<0.2	<0.2	1.4	1.3
						1.0	0.5	286	20.7		8.1		31.6		92.7		6.9		13.8		12		95				<0.2		1.4	
					Middle	4.1	0.5	286	20.7	20.7	8.1	8.1	31.7	31.7	92.5	92.5	-		16.1		14		95				<0.2		1.2	
						4.1	0.5	295	20.7		8.1		31.7		92.5		-		16.0		14		95				<0.2		1.3	
					Bottom	7.2	0.4	287	20.7	20.7	8.1	8.1	31.8	31.8	92.9	93.0	6.9	6.9	22.5		13		99				<0.2		1.2	
						7.2	0.4	298	20.7		8.1		31.8		93.0		6.9		22.3		14		99				<0.2		1.1	
SR1A	Cloudy	Calm	10:50	5.6	Surface	1.0	-	-	20.7	20.7	8.1	8.1	31.8	31.8	93.4	93.5	6.9	7.0	10.2	13.6	10	10	-	-	820071	812585	-	-	-	-
						1.0	-	-	20.7		8.1		31.8		93.5		7.0		10.2		10		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	20.6	20.6	8.1	8.1	31.9	31.9	94.9	95.0	7.1	7.1	17.2		10		-				-		-	
						4.6	-	-	20.6		8.1		31.9		95.0		7.1		16.9		9		-				-		-	
SR2	Cloudy	Moderate	10:40	5.7	Surface	1.0	0.5	308	20.6	20.6	8.1	8.1	31.5	31.5	92.9	92.9	6.9	6.9	19.4	19.8	10	10	91	93	821450	814183	<0.2	<0.2	1.6	1.5
						1.0	0.5	313	20.6		8.1		31.5		92.9		6.9		19.4		9		90				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.5	325	20.6	20.6	8.1	8.1	31.5	31.5	94.1	94.2	7.0	7.0	20.2		10		95				<0.2		1.4	
						4.7	0.5	356	20.6		8.1		31.5		94.3		7.0		20.3		10		95				<0.2		1.6	
SR3	Cloudy	Moderate	11:48	8.6	Surface	1.0	0.1	52	20.8	20.8	8.1	8.1	30.5	30.5	92.2	92.2	6.9	6.9	9.5	12.9	8	9	-	-	822143	807559	-	-	-	-
						1.0	0.1	54	20.8		8.1		30.5		92.2		6.9		9.5		7		-				-		-	
					Middle	4.3	0.2	42	20.7	20.7	8.1	8.1	30.6	30.6	91.9	92.0	-		13.1		8		-				-		-	
						4.3	0.2	42	20.7		8.1		30.6		92.0		-		13.0		8		-				-		-	
					Bottom	7.6	0.2	14	20.7	20.7	8.1	8.1	30.7	30.7	92.2	92.2	6.9	6.9	16.2		12		-				-		-	
						7.6	0.2	14	20.7		8.1		30.7		92.2		6.9		16.3		13		-				-		-	
SR4A	Cloudy	Calm	10:32	9.5	Surface	1.0	0.1	111	20.8	20.8	8.1	8.1	31.6	31.6	92.6	92.6	6.9	6.9	7.6	9.9	9	10	-	-	817166	807804	-	-	-	-
						1.0	0.1	115	20.8		8.1		31.6		92.6		6.9		7.8		10		-				-		-	
					Middle	4.8	0.1	105	20.7	20.7	8.1	8.1	31.7	31.7	92.5	92.5	-		10.8		10		-				-		-	
						4.8	0.1	109	20.7		8.1		31.7		92.5		-		11.1		10		-				-		-	
					Bottom	8.5	0.1	72	20.7	20.8	8.1	8.1	31.7	31.7	92.4	92.5	6.9	6.9	11.2		10		-				-		-	
						8.5	0.1	75	20.8		8.1		31.7		92.5		6.9		10.7		10		-				-		-	
SR5A	Cloudy	Calm	10:15	4.6	Surface	1.0	0.1	280	20.8	20.8	8.1	8.1	31.6	31.6	92.5	92.5	6.9	6.9	7.0	7.2	11	11	-	-	816587	810680	-	-	-	-
						1.0	0.1	290	20.8		8.1		31.6		92.5		6.9		7.0		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	276	20.8	20.8	8.1	8.1	31.7	31.7	92.5	92.5	6.9	6.9	7.4		11		-				-		-	
						3.6	0.1	277	20.8		8.1		31.7		92.5		6.9		7.3		11		-				-		-	
SR6	Cloudy	Calm	09:43	4.4	Surface	1.0	0.2	243	20.8	20.8	8.0	8.0	32.2	32.2	90.7	90.7	6.7	6.7	10.3	10.2	11	11	-	-	817909	814650	-	-	-	-
						1.0	0.2	263	20.8		8.0		32.2		90.6		6.7		10.3		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.2	237	20.8	20.8	8.0	8.0	32.2	32.2	90.6	90.6	6.7	6.7	10.1		11		-				-		-	
						3.4	0.2	237	20.8		8.0		32.2		90.6		6.7		10.1		12		-				-		-	
SR7	Cloudy	Moderate	09:51	15.9	Surface	1.0	0.2	222	20.8	20.8	8.0	8.0	32.2	32.2	90.8	90.8	6.7	6.7	10.5	11.3	8	8	-	-	823643	823722	-	-	-	-
						1.0	0.2	229	20.8		8.0		32.2		90.8		6.7		10.5		8		-				-		-	
					Middle	8.0	0.3	226	20.8	20.8	8.0	8.0	32.2	32.2	90.9	90.9	6.7		11.3		8		-				-		-	
						8.0	0.3	242	20.8		8.0		32.2		90.9		6.7		11.4		8		-				-		-	
					Bottom	14.9	0.3	221	20.8	20.8	8.0	8.0	32.2	32.2	91.6	91.7	6.8	6.8	12.1		7		-				-		-	
						14.9	0.3	244	20.8		8.0		32.2		91.7		6.8		12.0		8		-				-		-	
SR8	Cloudy	Calm	10:59	4.9	Surface	1.0	-	-	20.7	20.7	8.1	8.1	31.2	31.2	93.5	93.6	7.0	7.0	9.9	10.8	9	9	-	-	820488	811675	-	-	-	-
						1.0	-	-	20.7		8.1		31.2		93.6		7.0		9.9		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	20.6	20.6	8.1	8.1	31.3	31.3	94.9	95.0	7.1	7.1	11.9		9		-				-		-	
						3.9	-	-	20.5		8.1		31.3		95.0		7.1		11.5		9		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Misty	Rough	18:47	8.2	Surface	1.0	0.5	126	19.9	19.9	8.1	8.1	31.8	31.8	95.5	95.5	7.2	7.2	9.1	9.4	16	15	83	87	815614	804263	<0.2	<0.2	1.4	1.5
						1.0	0.5	128	19.9		8.1		31.8		95.5		7.2		9.1		14		83				<0.2		1.4	
					Middle	4.1	0.3	124	19.9	19.9	8.1	8.1	31.8	31.8	95.8	95.9	7.2		9.3		15		87				<0.2		1.6	
						4.1	0.3	128	19.9		8.1		31.8		95.9		7.2		9.3		13		88				<0.2		1.5	
					Bottom	7.2	0.2	122	19.9	19.9	8.1	8.1	31.8	31.8	96.6	96.7	7.3	7.3	9.8		14		91				<0.2		1.4	
						7.2	0.2	123	19.9		8.1		31.8		96.8		7.3		9.8		15		91				<0.2		1.4	
C2	Misty	Rough	17:35	11.8	Surface	1.0	0.4	212	20.6	20.6	8.3	8.3	30.6	30.6	90.4	90.5	6.8	6.8	7.5	8.0	13	12	83	88	825696	806962	<0.2	<0.2	1.1	1.0
						1.0	0.4	212	20.6		8.3		30.6		90.5		6.8		7.5		13		83				<0.2		1.0	
					Middle	5.9	0.4	250	20.6	20.6	8.3	8.3	30.6	30.6	90.8	90.9	-		7.6		12		88				<0.2		1.0	
						5.9	0.4	222	20.6		8.3		30.6		90.9		-		7.6		12		88				<0.2		1.0	
					Bottom	10.8	0.5	221	20.6	20.6	8.3	8.3	30.6	30.6	91.2	91.3	6.9	6.9	8.8		11		92				<0.2		0.8	
						10.8	0.5	242	20.6		8.3		30.6		91.3		6.9		8.9		11		92				<0.2		1.0	
C3	Misty	Rough	19:15	9.8	Surface	1.0	0.2	120	20.7	20.7	8.3	8.3	31.7	31.7	87.3	87.3	6.5	6.5	4.8	6.0	11	14	83	87	822086	817818	<0.2	<0.2	1.1	1.1
						1.0	0.3	122	20.7		8.3		31.7		87.3		6.5		4.9		11		83				<0.2		1.0	
					Middle	4.9	0.1	152	20.7	20.7	8.3	8.3	31.8	31.8	87.6	87.7	6.5		6.4		15		87				<0.2		1.2	
						4.9	0.1	164	20.7		8.3		31.8		87.7		6.5		6.5		13		87				<0.2		1.0	
					Bottom	8.8	0.1	137	20.7	20.7	8.3	8.3	31.8	31.8	87.8	87.9	6.5	6.6	6.6		17		91				<0.2		1.0	
						8.8	0.1	139	20.7		8.3		31.8		88.0		6.6		6.7		15		92				<0.2		1.0	
IM1	Misty	Rough	18:27	4.4	Surface	1.0	0.1	258	19.9	19.9	8.2	8.2	31.8	31.8	94.8	94.9	7.2	7.2	14.2	16.4	12	12	83	87	817929	807112	<0.2	<0.2	1.3	1.4
						1.0	0.1	259	19.9		8.2		31.8		94.9		7.2		14.2		10		84				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	286	19.9	19.9	8.2	8.2	31.8	31.8	95.7	95.9	7.2	7.3	18.7		13		91				<0.2		1.4	
						3.4	0.0	291	19.9		8.2		31.8		96.0		7.3		18.7		12		88				<0.2		1.5	
IM2	Misty	Rough	18:22	6.4	Surface	1.0	0.3	163	19.9	19.9	8.2	8.2	31.8	31.8	95.9	95.9	7.2	7.3	8.7	10.5	11	12	83	87	818155	806151	<0.2	<0.2	1.5	1.4
						1.0	0.3	165	19.9		8.2		31.8		95.9		7.2		8.7		13		83				<0.2		1.4	
					Middle	3.2	0.2	232	19.9	19.9	8.2	8.2	31.9	31.9	96.2	96.2	7.3		11.1		12		87				<0.2		1.4	
						3.2	0.2	232	19.9		8.2		31.9		96.2		7.3		11.1		12		87				<0.2		1.4	
					Bottom	5.4	0.2	209	19.9	19.9	8.2	8.2	31.9	31.9	96.5	96.6	7.3	7.3	11.6		13		91				<0.2		1.4	
						5.4	0.2	209	19.9		8.2		31.9		96.6		7.3		11.6		11		92				<0.2		1.4	
IM3	Misty	Rough	18:10	6.8	Surface	1.0	0.3	206	19.9	19.9	8.1	8.1	31.8	31.8	96.5	96.6	7.3	7.3	11.9	14.5	14	14	83	87	818794	805582	<0.2	<0.2	1.4	1.4
						1.0	0.4	206	19.9		8.1		31.8		96.6		7.3		11.9		12		83				<0.2		1.5	
					Middle	3.4	0.3	214	19.9	19.9	8.1	8.1	31.8	31.8	97.0	97.1	7.3		13.7		12		88				<0.2		1.4	
						3.4	0.3	211	19.9		8.1		31.8		97.2		7.3		13.7		12		88				<0.2		1.3	
					Bottom	5.8	0.3	218	19.9	19.9	8.1	8.1	31.8	31.8	97.7	97.8	7.4	7.4	17.9		16		91				<0.2		1.5	
						5.8	0.3	209	19.9		8.1		31.8		97.9		7.4		17.9		15		91				<0.2		1.4	
IM4	Misty	Rough	18:01	7.3	Surface	1.0	0.4	249	20.2	20.2	8.1	8.1	31.9	31.9	93.7	93.7	7.0	7.0	6.4	6.9	11	12	83	87	819742	804605	<0.2	<0.2	1.5	1.5
						1.0	0.4	250	20.2		8.1		31.9		93.6		7.0		6.4		10		83				<0.2		1.4	
					Middle	3.7	0.4	222	20.2	20.2	8.1	8.1	31.9	31.9	93.5	93.5	7.0		7.0		11		88				<0.2		1.5	
						3.7	0.4	222	20.2		8.1		31.9		93.5		7.0		7.0		11		88				<0.2		1.4	
					Bottom	6.3	0.3	217	20.2	20.2	8.1	8.1	32.0	32.0	93.7	93.8	7.0	7.0	7.2		12		91				<0.2		1.5	
						6.3	0.4	208	20.2		8.1		32.0		93.9		7.0		7.3		14		91				<0.2		1.4	
IM5	Misty	Rough	18:00	6.7	Surface	1.0	0.5	230	20.2	20.2	8.1	8.1	31.9	31.9	94.4	94.4	7.1	7.1	6.1	6.4	12	12	83	88	820731	804874	<0.2	<0.2	1.3	1.4
						1.0	0.5	231	20.2		8.1		31.9		94.4		7.1		6.1		11		83				<0.2		1.3	
					Middle	3.4	0.5	232	20.2	20.2	8.1	8.1	31.9	31.9	94.5	94.6	7.1		6.5		12		88				<0.2		1.4	
						3.4	0.5	234	20.2		8.1		31.9		94.6		7.1		6.5		12		88				<0.2		1.4	
					Bottom	5.7	0.4	243	20.2	20.2	8.1	8.1	31.9	31.9	94.9	95.0	7.1	7.1	6.6		11		91				<0.2		1.5	
						5.7	0.4	245	20.2		8.1		31.9		95.0		7.1		6.6		12		92				<0.2		1.3	
IM6	Misty	Rough	17:56	6.5	Surface	1.0	0.2	203	20.2	20.2	8.1	8.1	31.6	31.6	93.9	93.9	7.1	7.1	11.0	10.7	13	14	83	87	821056	805842	<0.2	<0.2	1.5	1.4
						1.0	0.2	203	20.2		8.1		31.7		93.9		7.1		11.0		14		83				<0.2		1.4	
					Middle	3.3	0.2	237	20.2	20.2	8.1	8.1	31.7	31.7	93.9	94.0	7.1		10.7		15		87				<0.2		1.4	
						3.3	0.2	237	20.2		8.1		31.7		94.0		7.1		10.6		15		88				<0.2		1.4	
					Bottom	5.5	0.1	224	20.2	20.2	8.1	8.1	31.7	31.7	94.2	94.3	7.1	7.1	10.6		12		91				<0.2		1.4	
						5.5	0.1	241	20.2		8.1		31.7		94.3		7.1		10.6		13		92				<0.2		1.4	
IM7	Misty	Rough	17:38	7.8	Surface	1.0	0.0	107	20.2	20.2	8.1	8.1	31.5	31.5	94.1	94.1	7.1	7.1	9.4	9.6	17	14	83	87	821336	806832	<0.2	<0.2	1.4	1.4
						1.0	0.0	111	20.2		8.1		31.5		94.1		7.1		9.4		14		83				<0.2		1.4	
					Middle	3.9	0.2	158	20.2	20.2	8.1	8.1	31.5	31.5	94.4	94.5	7.1		9.6		14		88				<0.2		1.3	
						3.9	0.3	159	20.2		8.1		31.5		94.5		7.1		9.5		15		88				<0.2		1.3	
					Bottom	6.8	0.3	107	20.2	20.2	8.1	8.1	31.5	31.5	94.8	94.9	7.1	7.1	9.9		13		91				<0.2		1.5	
						6.8	0.3	108	20.2		8.1		31.5		94.9		7.1		9.9		12		91				<0.2		1.3	
IM8	Misty	Rough	17:58	7.9	Surface	1.0	0.1	129	20.5	20.5	8.3	8.3	31.0	31.0	90.5	90.5	6.8	6.8	4.9	5.0	10	13	83	87	821819	808142	<0.2	<0.2	1.0	1.0
						1.0	0.1	141	20.5		8.3		31.0		90.5		6.8		4.9		12		83				<0.2		1.0	
					Middle	4.0	0.2	105	20.5	20.5	8.3	8.3	31.0	31.0	90.6	90.7	6.8		5.0		15		88				<0.2		1.1	
						4.0	0.2	110	20.5		8.3		31.0		90.7		6.8		5.1		14		88				<0.2		0.9	
					Bottom	6.9	0.2	92	20.5	20.5	8.3	8.3	31.0	31.0	91.3	91.5	6.9	6.9	5.1		15		91				<0.2		1.1	
						6.9	0.2	97	20.5		8.3		31.0		91.7		6.9		5.1		13		91				<0.2		1.0	

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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**

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Water Quality Monitoring
Water Quality Monitoring Results on 29 December 18 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Rough	17:58	7.5	Surface	1.0	0.1	326	20.5	20.5	8.3	8.3	31.0	31.0	89.9	89.9	6.7	6.7	8.8	10.2	15	14	83	88	822096	808792	<0.2	<0.2	0.8	0.9
						1.0	0.1	326	20.5		8.3		31.0		89.8		6.7		8.9		17		84				<0.2		1.0	
					Middle	3.8	0.1	10	20.5	20.5	8.3	8.3	31.0	31.0	89.7	89.7	6.7		10.3		15		88				<0.2		0.9	
						3.8	0.1	10	20.5		8.3		31.0		89.7		6.7		10.4		16		88				<0.2		1.0	
					Bottom	6.5	0.0	22	20.5	20.5	8.3	8.3	31.0	31.0	90.0	90.1	6.8	6.8	11.4		11		92				<0.2		0.9	
						6.5	0.0	23	20.5		8.3		31.0		90.1		6.8		11.3		12		92				<0.2		1.0	
IM10	Misty	Rough	18:08	8.7	Surface	1.0	0.5	329	20.3	20.3	8.3	8.3	30.9	30.9	92.8	92.8	7.0	7.0	10.1	12.1	12	12	83	87	822383	809794	<0.2	<0.2	1.0	1.0
						1.0	0.6	353	20.3		8.3		30.9		92.8		7.0		10.0		12		84				<0.2		1.0	
					Middle	4.4	0.3	120	20.3	20.3	8.3	8.3	30.9	30.9	93.3	93.4	7.0		10.3		12		87				<0.2		1.1	
						4.4	0.3	132	20.2		8.3		30.9		93.5		7.1		10.3		12		87				<0.2		1.1	
					Bottom	7.7	0.2	208	20.2	20.2	8.3	8.3	30.8	30.8	95.8	96.1	7.2	7.3	15.8		14		91				<0.2		1.0	
						7.7	0.2	225	20.2		8.3		30.8		96.4		7.3		15.9		12		92				<0.2		1.0	
IM11	Misty	Rough	18:19	8.5	Surface	1.0	0.1	288	20.2	20.2	8.3	8.3	30.9	30.9	92.1	92.1	7.0	7.0	7.0	9.1	18	14	83	88	822066	811468	<0.2	<0.2	1.2	1.1
						1.0	0.1	310	20.2		8.3		30.9		92.1		7.0		7.1		18		83				<0.2		1.2	
					Middle	4.3	0.2	162	20.2	20.2	8.3	8.3	30.9	30.9	92.4	92.4	-		9.1		11		88				<0.2		1.1	
						4.3	0.2	163	20.2		8.3		30.9		92.4		-		9.2		13		88				<0.2		1.0	
					Bottom	7.5	0.3	136	20.2	20.2	8.3	8.3	30.9	30.9	92.8	92.9	7.0	7.0	11.0		12		92				<0.2		1.0	
						7.5	0.3	144	20.2		8.3		30.9		93.0		7.0		11.1		11		92				<0.2		1.0	
IM12	Misty	Rough	18:24	9.2	Surface	1.0	0.2	231	20.3	20.3	8.3	8.3	30.9	30.9	91.1	91.1	6.9	6.9	12.4	12.9	19	18	83	88	821477	812063	<0.2	<0.2	1.1	1.1
						1.0	0.2	231	20.3		8.3		30.9		91.1		6.9		12.5		18		83				<0.2		1.0	
					Middle	4.6	0.2	169	20.3	20.3	8.3	8.3	30.9	30.9	91.3	91.4	6.9		12.5		17		88				<0.2		1.2	
						4.6	0.2	162	20.3		8.3		30.9		91.4		6.9		12.7		19		88				<0.2		1.0	
					Bottom	8.2	0.1	138	20.3	20.3	8.3	8.3	30.9	30.9	91.8	92.0	6.9	7.0	13.6		19		92				<0.2		1.1	
						8.2	0.1	141	20.3		8.3		30.9		92.1		7.0		13.6		17		92				<0.2		1.0	
SR1A	Misty	Rough	18:41	5.5	Surface	1.0	-	-	20.2	20.2	8.3	8.3	30.9	30.9	90.4	90.4	6.8	6.8	6.9	7.1	17	15	-	-	820070	812580	-	-	-	-
						1.0	-	-	20.2		8.3		30.9		90.4		6.8		6.9		15		-				-		-	
					Middle	2.8	-	-		-		-		-		-	-		-		-		-				-		-	
						2.8	-	-									-		-		-		-				-		-	
					Bottom	4.5	-	-	20.2	20.2	8.3	8.3	30.9	30.9	90.6	90.7	6.9	6.9	7.2		15		-				-		-	
						4.5	-	-	20.2		8.3		30.9		90.8		6.9		7.3		14		-				-		-	
SR2	Misty	Rough	18:51	5.6	Surface	1.0	0.1	101	20.5	20.5	8.3	8.3	31.2	31.2	90.5	90.6	6.8	6.8	9.5	10.5	16	14	88	90	821458	814158	<0.2	<0.2	1.1	1.0
						1.0	0.1	103	20.5		8.3		31.2		90.7		6.8		9.6		18		88				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	126	20.5	20.5	8.3	8.3	31.2	31.2	91.3	91.4	6.9	6.9	11.3		11		91				<0.2		1.0	
						4.6	0.1	137	20.5		8.3		31.2		91.4		6.9		11.4		10		92				<0.2		1.0	
SR3	Misty	Rough	17:53	9.3	Surface	1.0	0.3	152	20.5	20.5	8.3	8.3	30.7	30.7	90.2	90.2	6.8	6.8	9.3	9.6	12	14	-	-	822138	807547	-	-	-	-
						1.0	0.3	154	20.5		8.3		30.8		90.2		6.8		9.4		14		-				-		-	
					Middle	4.7	0.3	177	20.5	20.5	8.3	8.3	30.8	30.8	90.3	90.3	-		9.5		12		-				-		-	
						4.7	0.3	182	20.5		8.3		30.8		90.3		-		9.5		14		-				-		-	
					Bottom	8.3	0.4	168	20.5	20.5	8.3	8.3	30.8	30.8	90.5	90.6	6.8	6.8	9.8		14		-				-		-	
						8.3	0.4	171	20.5		8.3		30.8		90.7		6.8		9.8		17		-				-		-	
SR4A	Misty	Rough	19:07	7.9	Surface	1.0	0.3	40	19.8	19.8	8.1	8.1	31.8	31.8	94.1	94.1	7.1	7.1	8.4	8.6	14	15	-	-	817195	807802	-	-	-	-
						1.0	0.3	40	19.8		8.1		31.8		94.1		7.1		8.4		16		-				-		-	
					Middle	4.0	0.2	39	19.8	19.8	8.1	8.1	31.8	31.8	94.1	94.2	7.1		8.6		16		-				-		-	
						4.0	0.3	40	19.8		8.1		31.8		94.2		7.1		8.6		15		-				-		-	
					Bottom	6.9	0.3	75	19.8	19.8	8.1	8.1	31.8	31.8	94.4	94.5	7.1	7.2	8.8		13		-				-		-	
						6.9	0.3	80	19.8		8.1		31.8		94.6		7.2		8.8		13		-				-		-	
SR5A	Misty	Rough	19:18	5.1	Surface	1.0	0.1	45	20.1	20.1	8.1	8.1	32.1	32.1	94.3	94.4	7.1	7.1	11.5	12.6	13	13	-	-	816584	810707	-	-	-	-
						1.0	0.1	43	20.1		8.1		32.1		94.5		7.1		11.4		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	69	20.1	20.1	8.1	8.1	32.1	32.1	95.2	95.3	7.1	7.2	13.7		13		-				-		-	
						4.1	0.2	69	20.1		8.1		32.1		95.3		7.2		13.7		13		-				-		-	
SR6	Misty	Rough	19:32	4.2	Surface	1.0	0.0	11	20.4	20.4	8.1	8.1	32.6	32.6	91.1	91.0	6.8	6.8	4.9	6.6	17	15	-	-	817920	814642	-	-	-	-
						1.0	0.0	11	20.4		8.1		32.6		90.9		6.8		4.9		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	22	20.4	20.4	8.1	8.1	32.7	32.7	90.9	91.0	6.8	6.8	8.3		14		-				-		-	
						3.2	0.1	22	20.4		8.1		32.7		91.0		6.8		8.3		13		-				-		-	
SR7	Misty	Rough	19:45	16.0	Surface	1.0	0.0	213	20.8	20.8	8.3	8.3	31.9	31.9	86.6	86.7	6.4	6.5	4.5	5.6	13	10	-	-	823614	823747	-	-	-	-
						1.0	0.0	224	20.8		8.3		31.9		86.7		6.4		4.6		11		-				-		-	
					Middle	8.0	0.0	96	20.8	20.8	8.3	8.3	31.9	31.9	87.2	87.3	6.5		5.9		10		-				-		-	
						8.0	0.0	103	20.8		8.3		31.9		87.3		6.5		6.0		9		-				-		-	
					Bottom	15.0	0.0	104	20.8	20.8	8.3	8.3	31.9	31.9	87.9	88.1	6.5	6.6	6.2		9		-				-		-	
						15.0	0.0	108	20.8		8.3		31.9		88.2		6.6		6.3		9		-				-		-	
SR8	Misty	Rough	18:32	4.8	Surface	1.0	-	-	20.2	20.2	8.3	8.3	30.9	30.9	92.0	92.1	6.9	7.0	8.0	8.1	15	14	-	-	820510	811673	-	-	-	-
						1.0	-	-	20.2		8.3		30.9		92.1		7.0		8.1		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	20.2	20.2	8.3	8.3	30.9	30.9	92.7	92.8	7.0	7.0	8.2		13		-				-		-	
						3.8	-	-	20.2		8.3		30.9		92.9		7.0		8.2		11		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 December 18 during Mid-Flood Tide

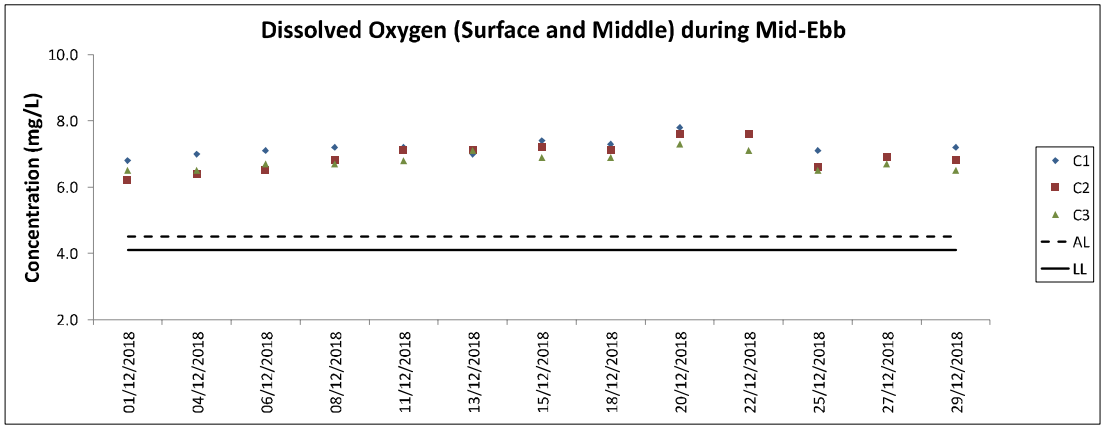
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Misty	Rough	12:50	9.0	Surface	1.0	0.5	32	20.2	20.2	8.1	8.1	30.8	30.8	91.5	91.6	6.9	7.0	7.4	8.7	10	10	84	88	815627	804266	<0.2	<0.2	1.6	1.5
						1.0	0.5	32	20.2		8.1		30.8		91.6		6.9		7.4		10		84				<0.2		1.5	
					Middle	4.5	0.4	21	20.2	20.2	8.1	8.1	30.9	30.9	92.4	92.6	7.0		9.1		9		88				<0.2		1.6	
						4.5	0.5	21	20.2		8.1		30.9		92.7		7.0		9.1		10		88				<0.2		1.4	
					Bottom	8.0	0.4	19	20.2	20.2	8.1	8.1	30.9	30.9	93.2	93.3	7.0	7.1	9.6		10		92				<0.2		1.6	
						8.0	0.4	20	20.2		8.1		30.9		93.3		7.1		9.6		10		92				<0.2		1.5	
C2	Misty	Rough	14:15	11.5	Surface	1.0	0.4	21	20.2	20.2	8.1	8.1	31.8	31.8	92.4	92.4	6.9	6.9	11.1	11.6	11	12	88	89	825658	806957	<0.2	<0.2	1.2	1.2
						1.0	0.4	22	20.2		8.1		31.8		92.4		6.9		11.2		12		88				<0.2		1.0	
					Middle	5.8	0.4	340	20.3	20.3	8.1	8.1	31.8	31.8	92.3	92.3	6.9		11.4		11		89				<0.2		1.4	
						5.8	0.4	313	20.3		8.1		31.9		92.3		6.9		11.4		12		89				<0.2		1.2	
					Bottom	10.5	0.3	355	20.3	20.3	8.1	8.1	31.9	31.9	92.4	92.5	6.9	6.9	12.2		14		91				<0.2		1.2	
						10.5	0.4	327	20.3		8.1		31.9		92.5		6.9		12.1		12		91				<0.2		1.4	
C3	Misty	Rough	12:14	11.6	Surface	1.0	0.3	231	20.2	20.2	8.1	8.1	32.2	32.2	91.8	91.8	6.9	6.9	8.7	8.8	10	13	83	87	822109	817808	<0.2	<0.2	1.2	1.2
						1.0	0.3	233	20.2		8.1		32.2		91.7		6.9		8.7		10		83				<0.2		1.3	
					Middle	5.8	0.4	276	20.2	20.2	8.1	8.1	32.2	32.2	91.6	91.6	6.9		8.8		15		87				<0.2		1.2	
						5.8	0.4	303	20.2		8.1		32.2		91.6		6.9		8.8		14		87				<0.2		1.3	
					Bottom	10.6	0.5	282	20.2	20.2	8.1	8.1	32.3	32.3	91.7	91.8	6.9	6.9	8.9		13		92				<0.2		1.3	
						10.6	0.5	299	20.2		8.1		32.3		91.8		6.9		9.0		13		92				<0.2		1.1	
IM1	Misty	Rough	12:59	4.8	Surface	1.0	0.2	25	20.1	20.1	8.1	8.1	31.0	31.0	93.1	93.2	7.0	7.1	7.8	8.4	10	9	83	88	817941	807131	<0.2	<0.2	1.3	1.5
						1.0	0.2	25	20.1		8.1		31.0		93.2		7.1		7.9		9		84				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	32	20.1	20.1	8.1	8.1	31.0	31.0	95.6	96.0	7.2	7.3	9.0		9		91				<0.2		1.7	
						3.8	0.2	33	20.1		8.1		31.0		96.3		7.3		9.0		8		92				<0.2		1.6	
IM2	Misty	Rough	13:09	7.2	Surface	1.0	0.4	26	20.4	20.4	8.2	8.2	30.7	30.7	91.4	91.4	6.9	6.9	10.0	11.6	10	11	83	87	818168	806145	<0.2	<0.2	1.6	1.7
						1.0	0.4	26	20.4		8.2		30.7		91.4		6.9		11.1		12		83				<0.2		1.7	
					Middle	3.6	0.3	12	20.4	20.4	8.2	8.2	30.7	30.7	91.3	91.3	6.9		11.6		11		88				<0.2		1.7	
						3.6	0.3	12	20.3		8.2		30.7		91.2		6.9		11.5		11		88				<0.2		1.7	
					Bottom	6.2	0.3	354	20.3	20.3	8.2	8.2	30.7	30.7	90.8	90.7	6.9	6.9	12.7		12		91				<0.2		1.7	
						6.2	0.3	326	20.3		8.2		30.7		90.6		6.8		12.7		10		91				<0.2		1.7	
IM3	Misty	Rough	13:13	7.3	Surface	1.0	0.3	43	20.5	20.5	8.2	8.2	30.9	30.9	91.1	91.2	6.8	6.9	8.4	8.6	9	10	83	88	818786	805602	<0.2	<0.2	1.5	1.6
						1.0	0.4	44	20.5		8.2		30.9		91.2		6.9		8.3		8		84				<0.2		1.6	
					Middle	3.7	0.2	40	20.5	20.5	8.2	8.2	30.9	30.9	91.8	92.0	6.9		8.7		9		87				<0.2		1.7	
						3.7	0.2	41	20.5		8.2		30.9		92.1		6.9		8.7		11		87				<0.2		1.5	
					Bottom	6.3	0.3	44	20.4	20.4	8.2	8.1	30.9	30.9	92.7	92.8	7.0	7.0	8.7		11		92				<0.2		1.5	
						6.3	0.3	47	20.4		8.1		30.9		92.9		7.0		8.6		10		92				<0.2		1.6	
IM4	Misty	Rough	13:26	7.6	Surface	1.0	0.4	351	20.6	20.6	8.2	8.2	30.9	30.9	89.6	89.6	6.7	6.7	6.8	7.1	10	9	83	88	819725	804595	<0.2	<0.2	1.5	1.6
						1.0	0.5	323	20.6		8.2		30.9		89.6		6.7		6.8		8		83				<0.2		1.5	
					Middle	3.8	0.4	342	20.6	20.6	8.2	8.2	30.9	30.9	89.9	90.0	6.7		7.1		9		88				<0.2		1.5	
						3.8	0.4	315	20.6		8.2		30.9		90.0		6.8		7.2		9		88				<0.2		1.7	
					Bottom	6.6	0.4	338	20.6	20.6	8.2	8.2	30.9	30.9	90.6	90.8	6.8	6.8	7.4		10		91				<0.2		1.7	
						6.6	0.4	344	20.6		8.2		30.9		90.9		6.8		7.4		10		92				<0.2		1.6	
IM5	Misty	Rough	13:33	6.4	Surface	1.0	0.6	5	20.5	20.6	8.2	8.2	30.9	30.9	89.1	89.1	6.7	6.7	9.7	9.3	11	11	83	88	820724	804856	<0.2	<0.2	1.7	1.7
						1.0	0.6	5	20.6		8.2		30.9		89.0		6.7		9.7		12		84				<0.2		1.7	
					Middle	3.2	0.6	357	20.6	20.6	8.2	8.2	30.9	30.9	89.0	89.0	6.7		8.6		12		88				<0.2		1.5	
						3.2	0.7	328	20.6		8.2		30.9		89.0		6.7		8.6		11		88				<0.2		1.7	
					Bottom	5.4	0.4	339	20.6	20.6	8.2	8.2	31.0	31.0	89.1	89.2	6.7	6.7	9.5		11		91				<0.2		1.8	
						5.4	0.4	356	20.6		8.2		31.0		89.2		6.7		9.5		10		92				<0.2		1.7	
IM6	Misty	Rough	13:46	6.1	Surface	1.0	0.3	43	20.5	20.6	8.2	8.2	30.9	30.9	88.9	88.9	6.7	6.7	9.3	10.0	12	11	83	88	821048	805838	<0.2	<0.2	1.8	1.8
						1.0	0.3	43	20.6		8.2		30.9		88.9		6.7		9.4		11		83				<0.2		1.9	
					Middle	3.1	0.2	65	20.6	20.6	8.2	8.2	30.9	30.9	88.8	88.9	6.7		9.8		11		88				<0.2		1.7	
						3.1	0.2	65	20.6		8.2		30.9		88.9		6.7		9.8		11		88				<0.2		1.8	
					Bottom	5.1	0.1	30	20.6	20.6	8.2	8.2	31.0	31.0	89.0	89.0	6.7	6.7	10.9		11		92				<0.2		1.8	
						5.1	0.2	30	20.6		8.2		31.0		89.0		6.7		10.8		11		92				<0.2		1.8	
IM7	Misty	Rough	14:01	7.5	Surface	1.0	0.1	324	20.5	20.5	8.2	8.2	30.8	30.8	88.9	88.9	6.7	6.7	9.3	10.1	8	9	83	87	821372	806833	<0.2	<0.2	1.7	1.8
						1.0	0.1	347	20.5		8.2		30.8		88.9		6.7		9.3		7		83				<0.2		1.9	
					Middle	3.8	0.2	43	20.6	20.6	8.2	8.2	30.9	30.9	88.7	88.7	6.7		10.2		8		88				<0.2		1.6	
						3.8	0.2	44	20.6		8.2		30.9		88.7		6.7		10.3		10		88				<0.2		1.8	
					Bottom	6.5	0.2	48	20.6	20.6	8.2	8.2	31.0	31.0	88.8	88.9	6.7	6.7	10.6		10		91				<0.2		1.7	
						6.5	0.2	51	20.6		8.2		31.0		88.9		6.7		10.6		9		91				<0.2		1.8	
IM8	Misty	Rough	13:38	7.8	Surface	1.0	0.0	112	20.2	20.2	8.1	8.1	31.8	31.8	92.7	92.7	7.0	7.0	9.3	10.6	12	12	83	87	821844	808117	<0.2	<0.2	1.3	1.3
						1.0	0.0	118	20.2		8.1		31.8		92.6		7.0		9.4		14		83				<0.2		1.2	
					Middle	3.9	0.2	109	20.3	20.3	8.1	8.1	31.8	31.8	92.6	92.6	6.9		10.4		12		88				<0.2		1.4	
						3.9	0.2	116	20.3		8.1		31.8		92.6		6.9		10.6		13		88				<0.2		1.3	
					Bottom	6.8	0.1	58	20.3	20.3	8.1	8.1	31.9	31.8	92.7	92.8	7.0	7.0	11.9		11		91				<0.2		1.4	
						6.8	0.1	59	20.3		8.1		31.8		92.8		7.0		11.9		11		91				<0.2		1.3	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 December 18 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Rough	13:32	6.9	Surface		1.0	140	20.2	20.2	8.1	8.1	31.8	31.8	92.8	92.8	7.0	7.0	9.8	10.4	11	13	84	88	822085	808792	<0.2	<0.2	1.2	1.3
							0.2																							
							0.3	146	20.2		8.1		31.8		92.8		7.0		9.8		10		84				<0.2		1.1	
					Middle		3.5	115	20.3	20.3	8.1	8.1	31.8	31.8	92.8	92.8	7.0		10.2		12		88				<0.2		1.2	
							0.3																							
							3.5	125	20.3		8.1		31.8		92.8		7.0		10.1		12		88				<0.2		1.3	
					Bottom		5.9	126	20.3	20.3	8.1	8.1	31.9	31.9	92.9	93.0	7.0	7.0	11.3		16		91				<0.2		1.4	
							0.2																							
							5.9	130	20.3		8.1		31.9		93.0		7.0		11.4		17		92				<0.2		1.4	
							0.2																							
IM10	Misty	Rough	13:24	7.2	Surface		1.0	90	20.3	20.3	8.1	8.1	31.8	31.8	93.3	93.4	7.0	7.0	8.5	8.8	11	16	83	87	822373	809780	<0.2	<0.2	1.2	1.3
							0.3																							
							1.0	90	20.3		8.1		31.8		93.4		7.0		8.5		13		83				<0.2		1.3	
					Middle		3.6	72	20.3	20.3	8.1	8.1	31.8	31.8	93.7	93.8	-		8.6		18		87				<0.2		1.4	
							0.3																							
							3.6	74	20.3		8.1		31.8		93.8		-		8.6		17		88				<0.2		1.2	
					Bottom		6.2	87	20.3	20.3	8.1	8.1	31.8	31.8	94.4	94.6	7.1	7.1	9.1		20		91				<0.2		1.2	
							0.2																							
							6.2	92	20.3		8.1		31.8		94.7		7.1		9.2		17		91				<0.2		1.2	
							0.3																							
IM11	Misty	Rough	13:11	7.9	Surface		1.0	289	20.1	20.1	8.1	8.1	31.8	31.8	95.0	95.1	7.1	7.2	10.6	10.8	13	10	84	88	822066	811461	<0.2	<0.2	1.2	1.3
							0.7																							
							1.0	312	20.1		8.1		31.8		95.2		7.2		10.6		11		84				<0.2		1.3	
					Middle		4.0	290	20.1	20.1	8.1	8.1	31.8	31.8	95.9	96.0	7.2		10.8		9		88				<0.2		1.2	
							0.6																							
							4.0	317	20.1		8.1		31.8		96.1		7.2		10.8		10		88				<0.2		1.3	
					Bottom		6.9	306	20.1	20.1	8.1	8.0	31.8	31.8	96.6	96.7	7.3	7.3	10.9		8		91				<0.2		1.3	
							0.5																							
							6.9	331	20.1		8.0		31.8		96.8		7.3		10.9		9		92				<0.2		1.2	
							0.5																							
IM12	Misty	Rough	13:07	8.4	Surface		1.0	270	20.0	20.0	8.1	8.1	31.6	31.6	95.5	95.6	7.2	7.2	13.9	14.2	10	8	83	88	821449	812052	<0.2	<0.2	1.1	1.3
							0.3																							
							1.0	286	20.0		8.1		31.6		95.6		7.2		13.9		9		84				<0.2		1.2	
					Middle		4.2	265	20.0	20.0	8.1	8.1	31.6	31.6	95.8	95.9	7.2		14.1		8		88				<0.2		1.4	
							0.4																							
							4.2	269	20.0		8.1		31.6		95.9		7.2		14.2		7		88				<0.2		1.3	
					Bottom		7.4	261	20.0	20.0	8.1	8.1	31.6	31.6	96.3	96.4	7.3	7.3	14.6		8		91				<0.2		1.3	
							0.3																							
							7.4	261	20.0		8.1		31.6		96.4		7.3		14.6		7		92				<0.2		1.2	
							0.3																							
SR1A	Misty	Rough	12:48	5.1	Surface		1.0	-	19.9	19.9	8.2	8.2	31.7	31.7	95.3	95.4	7.2	7.2	9.5	10.5	4	4	-	-	820062	812589	-	-	-	-
							-																							
							1.0	-	19.9		8.2		31.7		95.4		7.2		9.6		4		-				-		-	
					Middle		2.6	-	-	-		-	-	-	-	-	-		-		-		-				-		-	
							-																							
							2.6	-	-								-		-		-		-				-		-	
					Bottom		4.1	-	-	19.8	8.2	8.2	31.8	31.8	96.3	96.4	7.3	7.3	11.4		4		-				-		-	
							-																							
							4.1	-	-	19.8	8.2		31.8		96.5		7.3		11.6		3		-				-		-	
							-																							
SR2	Misty	Rough	12:35	5.2	Surface		1.0	139	19.9	19.9	8.2	8.2	31.8	31.8	95.8	95.9	7.2	7.3	13.3	15.0	4	4	83	86	821440	814185	<0.2	<0.2	1.2	1.3
							0.2																							
							1.0	146	19.9		8.2		31.8		96.0		7.3		13.4		4		83				<0.2		1.1	
					Middle		-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
							-																							
							-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom		4.2	133	19.8	19.8	8.1	8.1	31.9	31.9	98.8	99.0	7.5	7.5	16.6		5		88				<0.2		1.4	
							0.2																							
							4.2	142	19.8		8.1		31.9		99.1		7.5		16.7		4		88				<0.2		1.5	
							0.2																							
SR3	Misty	Rough	13:49	8.6	Surface		1.0	276	20.2	20.2	8.1	8.1	31.7	31.7	92.7	92.7	7.0	7.0	10.5	11.3	12	11	-	-	822136	807573	-	-	-	-
							0.0																							
							1.0	277	20.2		8.1		31.7		92.7		7.0		10.6		10		-				-		-	
					Middle		4.3	24	20.3	20.3	8.1	8.1	31.8	31.8	92.5	92.5	6.9		11.0		11		-				-		-	
							0.2																							
							4.3	24	20.3		8.1		31.9		92.5		6.9		11.1		13		-				-		-	
					Bottom		7.6	54	20.3	20.3	8.1	8.1	31.9	31.9	92.6	92.7	7.0	7.0	12.2		10		-				-		-	
							0.2																							
							7.6	57	20.3		8.1		31.9		92.7		7.0		12.3		11		-				-		-	
							0.3																							
SR4A	Misty	Rough	12:37	8.7	Surface		1.0	77	20.2	20.2	8.1	8.1	30.9	30.9	92.2	92.3	7.0	7.0	10.9	12.0	7	8	-	-	817171	807832	-	-	-	-
							0.1																							
							1.0	81	20.2		8.1		30.9		92.4		7.0		11.0		8		-				-		-	
					Middle		4.4	62	20.2	20.2	8.2	8.2	31.0	31.0	93.5	93.8	-		12.1		8		-				-		-	
							0.1																							
							4.4	68	20.2		8.2		31.0		94.0		-		12.1		8		-				-		-	
					Bottom		7.7	84	20.2	20.2	8.2	8.2	31.0	31.0	95.2	95.4	7.2	7.2	13.0		8		-				-		-	
							0.2																							
							7.7	91	20.1		8.2		31.0		95.6		7.2		12.9		9		-				-		-	
							0.2																							
SR5A	Misty	Rough	12:28	4.2	Surface		1.0	310	20.5	20.5	8.2	8.2	31.3	31.3	88.0	88.0	6.6	6.6	6.7	6.9	9	9	-	-	816591	810678	-	-	-	-
							0.1																							
							1.0	325	20.5		8.2		31.3		88.0		6.6		6.7		8		-				-		-	
					Middle		-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
							-																							
							-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom		3.2	326	20.5	20.5	8.2	8.2	31.3	31.3	87.8	87.8	6.6	6.6	7.1		8		-				-		-	
							0.1																							
							3.2	327	20.5		8.2		31.3		87.8		6.6		7.1		9		-				-		-	
							0.1																							
SR6	Misty	Rough	12:23	4.8	Surface		1.0	221	20.8	20.8	8.1	8.1	31.9	31.9	85.8	85.8	6.4	6.4	6.0	6.2	9	8	-	-	817922	814669	-	-	-	-
							0.1																							
							1.0	234	20.8		8.1		31.9		85.7		6.4		6.1		7		-				-		-	
					Middle		-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
							-																							
							-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom		3.8	210	20.8	20.8	8.1	8.1	31.9	31.9	85.7	85.7	6.4	6.4	6.4		8		-				-		-	
							0.1																							
							3.8	213	20.8		8.1		31.9		85.7		6.4		6.4		7		-				-		-	
							0.1																							
SR7	Misty	Rough	11:39	16.7	Surface		1.0	273	20.5	20.5	8.1	8.1	32.8	32.8	89.6	89.6	6.7	6.7	9.3	10.9	11	12	-	-	823658	823751	-	-	-	-
							0.3																							
							1.0	291	20.5		8.1		32.8		89.6		6.7		9.5		10		-				-		-	
					Middle		8.4	236	20.5	20.5	8.1	8.1	32.8	32.8	89.6	89.6	6.7		10.9		11		-				-		-	
							0.3																							
							8.4	253	20.5		8.1		32.8		89.5		6.7		10.9		11		-				-		-	
					Bottom		15.7	221	20.5	20.5	8.1	8.1	32.8	32.8	89.5	89.6	6.7	6.7	12.5		12		-				-		-	
							0.6																							
							15.7	227	20.5		8.1		32.8		89.6		6.7		12.5		14		-				-		-	
							0.7																							
SR8	Misty	Rough	12:57	4.3	Surface		1.0	-	19.8	19.8	8.2	8.2	31.9	31.9	95.8	95.8	7.3	7.3	10.8	12.2	11	7	-	-	820511	811667	-	-	-	-
							-																							
							1.0	-	19.8		8.2		31.9		95.8		7.3		10.9		10		-				-		-	
					Middle		-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
							-																							
							-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom		3.3	-	19.8	19.8	8.2	8.2	31.9	31.9	96.5	96.8	7.3	7.3	13.5		4		-				-		-	
							-																							
							3.3	-	19.8		8.2		31.9		97.0		7.3		13.5		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**
Note: Access to SR8 was blocked by barge and its wire. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
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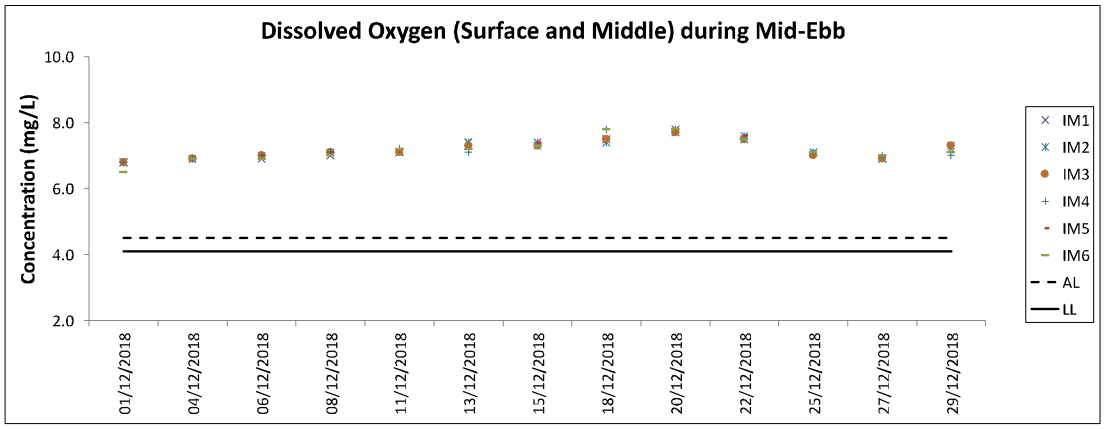
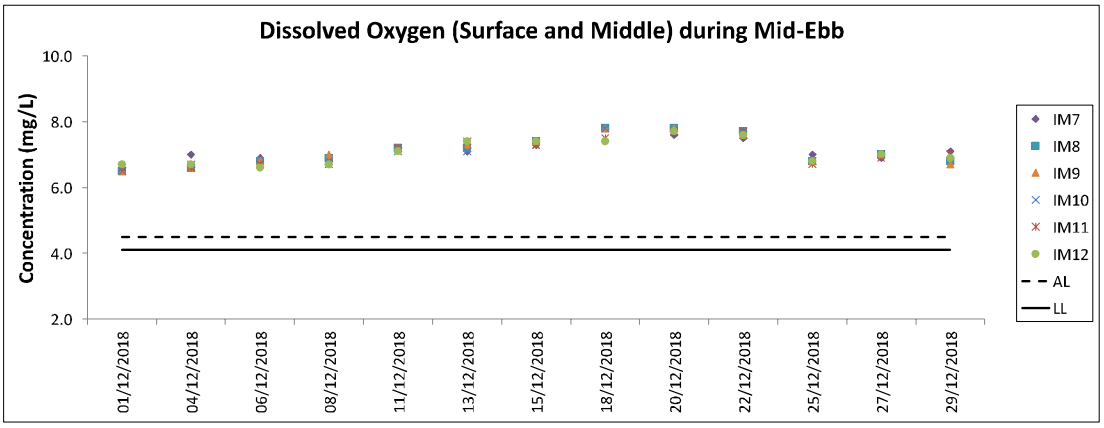
22/12/2018
25/12/2018
27/12/2018
29/12/2018
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
25/12/2018
27/12/2018
29/12/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
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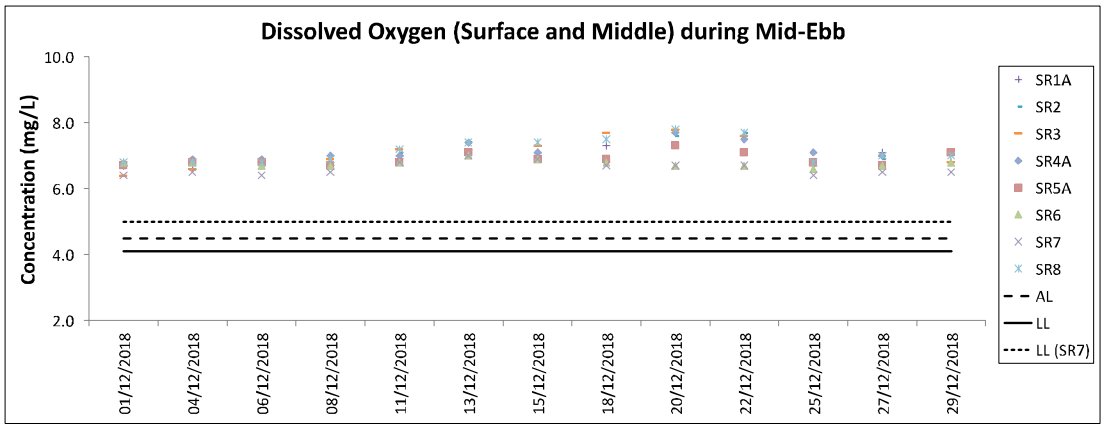
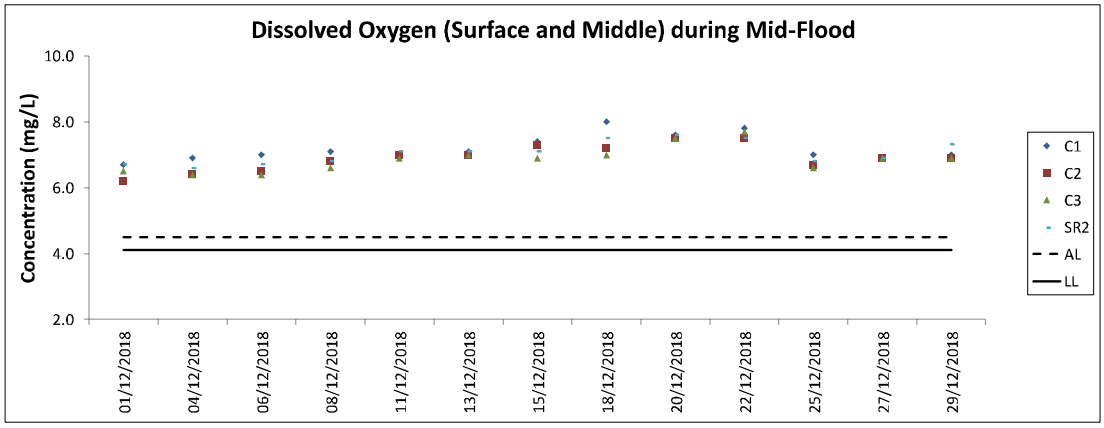
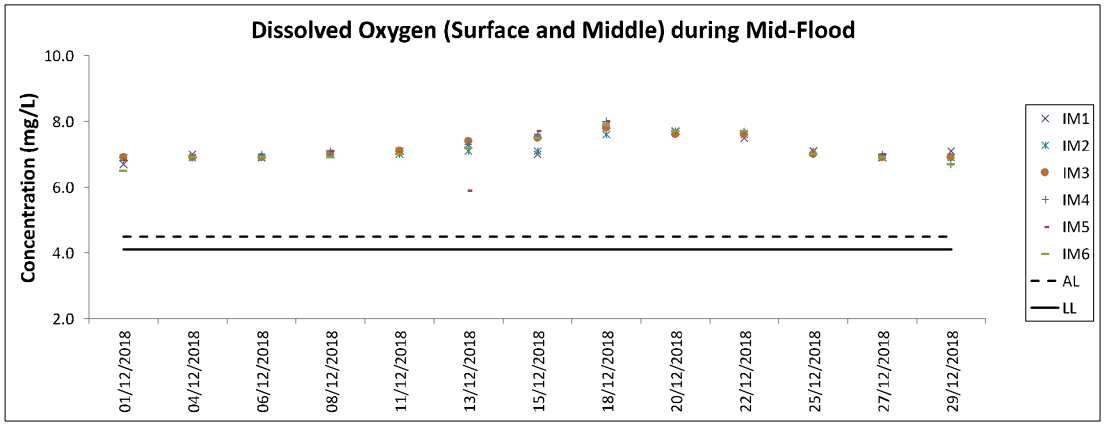
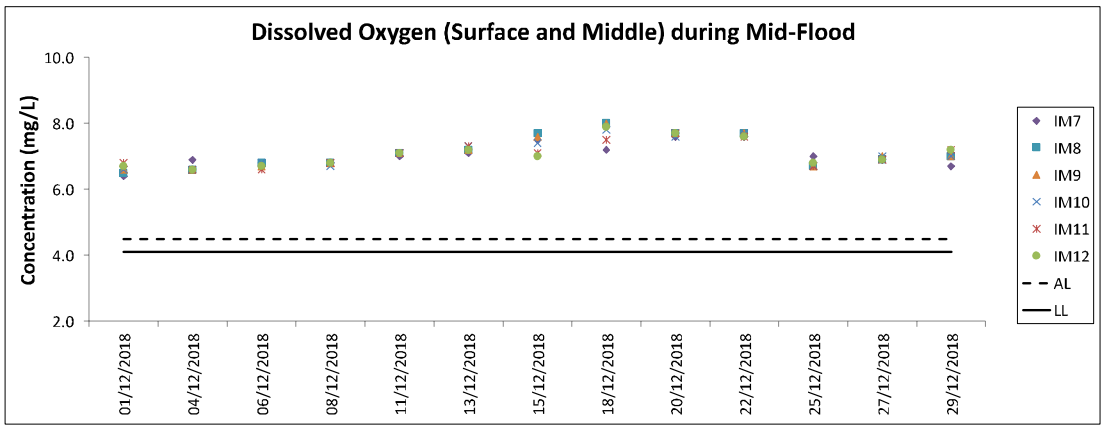
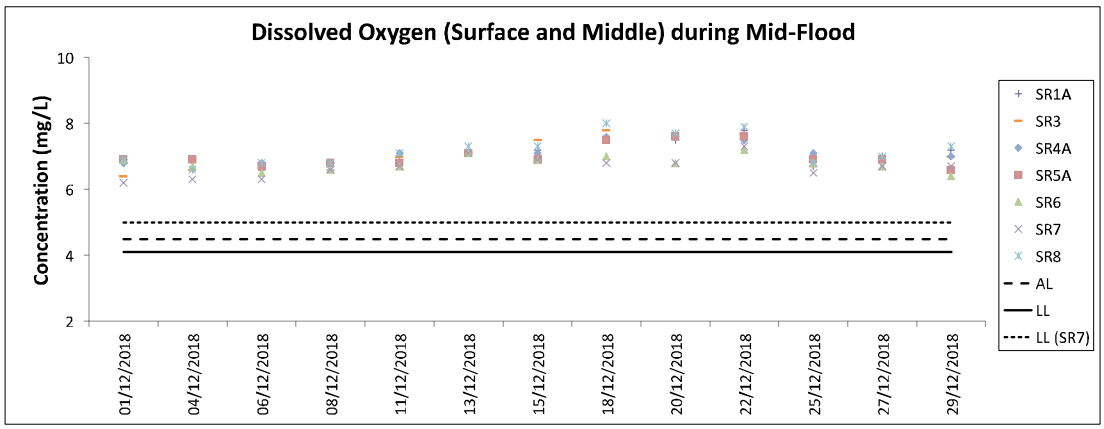
27/12/2018
29/12/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
25/12/2018
27/12/2018
29/12/2018
SR1A
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
25/12/2018
27/12/2018
29/12/2018
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
25/12/2018
27/12/2018
29/12/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
25/12/2018
27/12/2018
29/12/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10
8
6
4
2
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
25/12/2018
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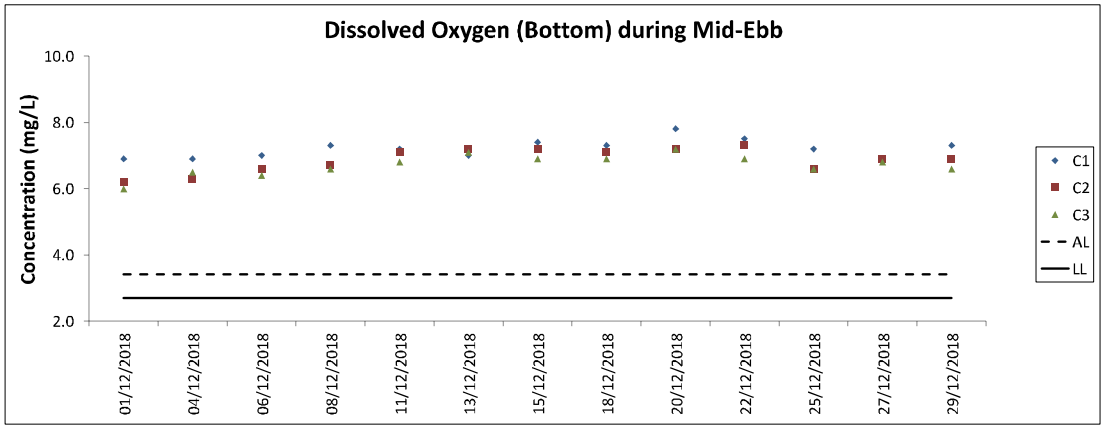
SR1A
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
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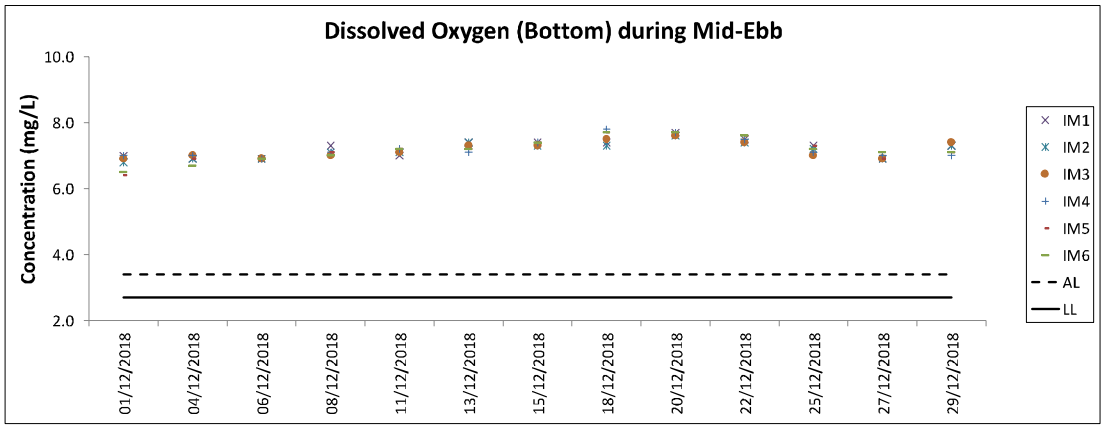
22/12/2018
25/12/2018
27/12/2018
29/12/2018
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
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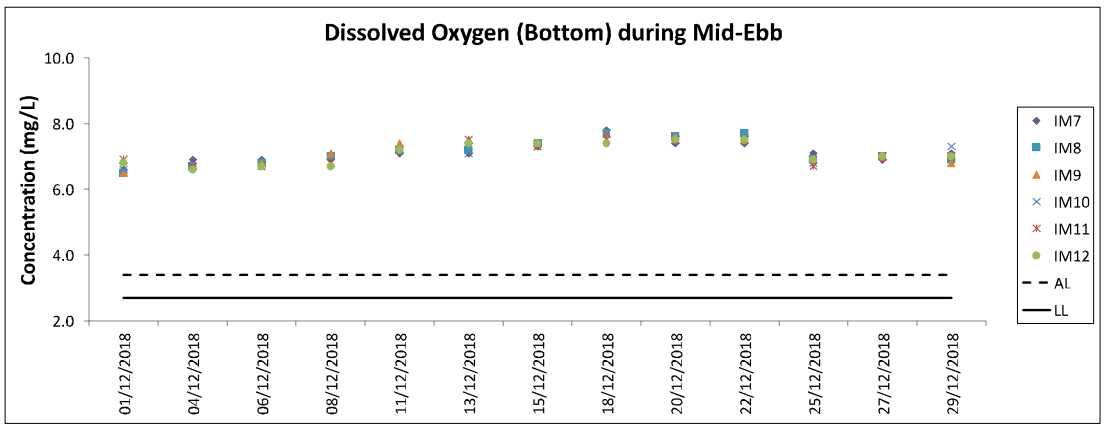
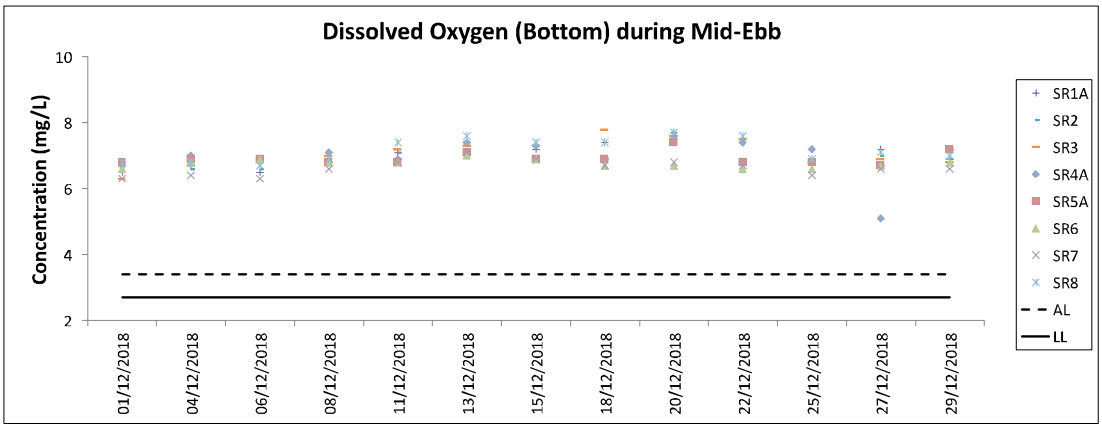
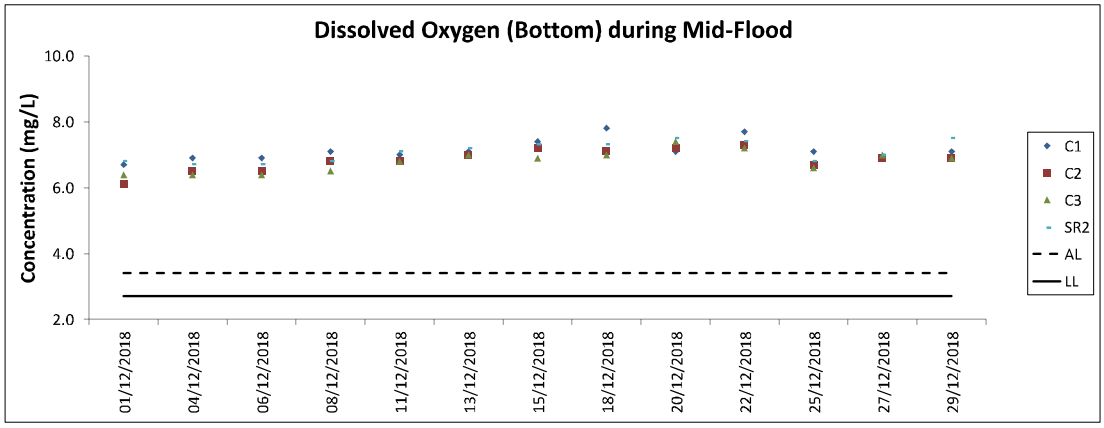
27/12/2018
29/12/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
25/12/2018
27/12/2018
29/12/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10
8
6
4
2
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
25/12/2018
27/12/2018
29/12/2018
SR1A
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
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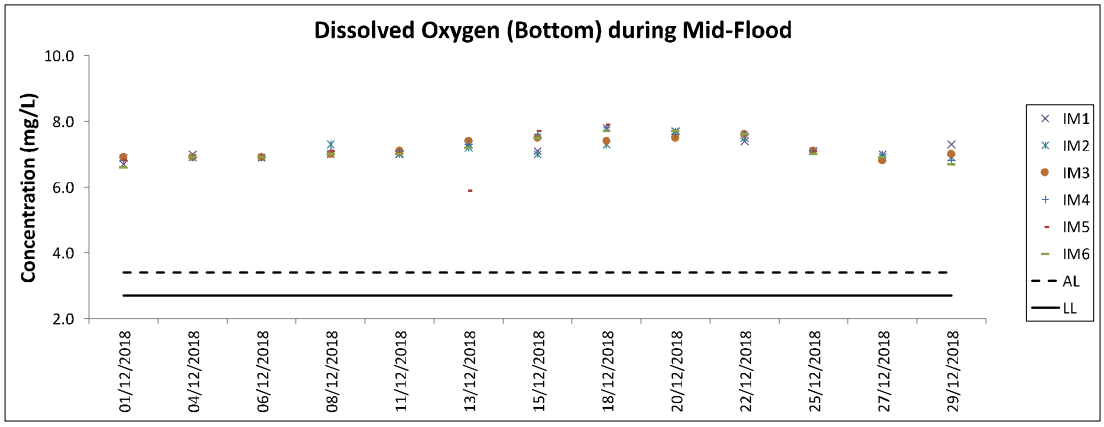
29/12/2018
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
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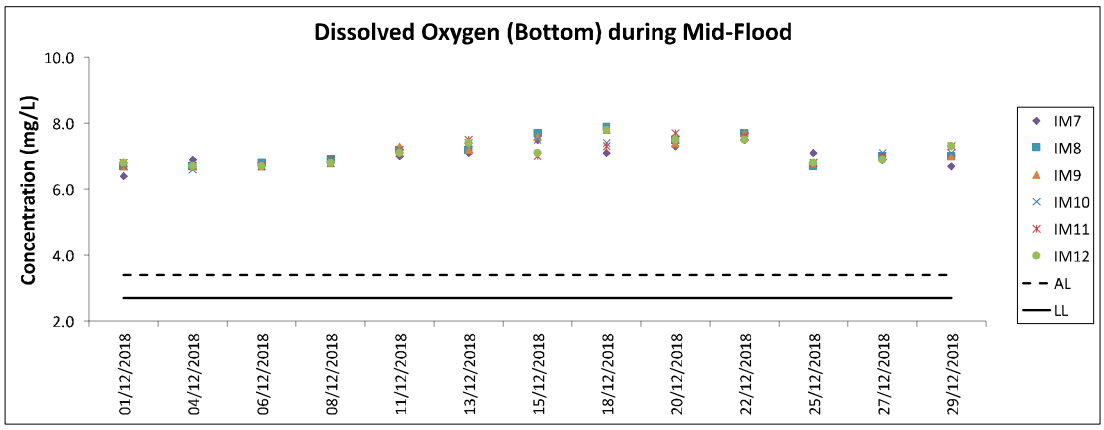
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
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IM7
IM8
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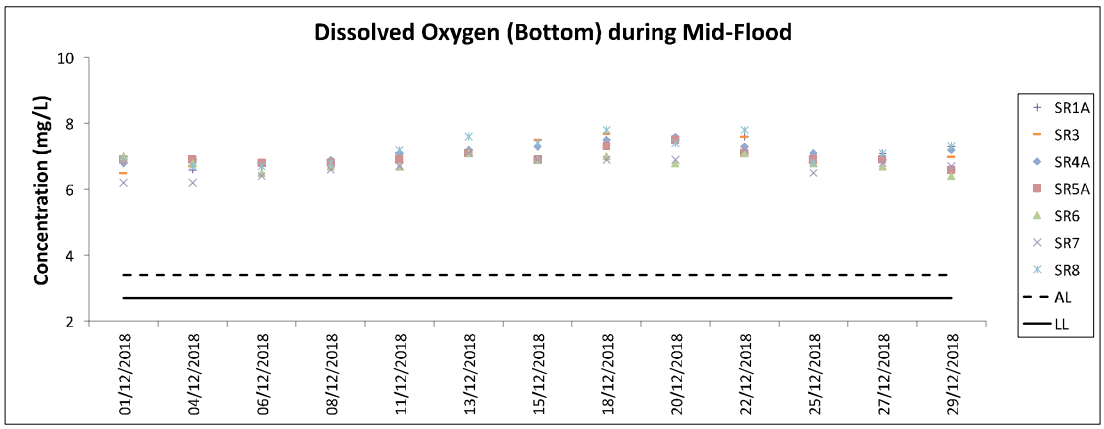
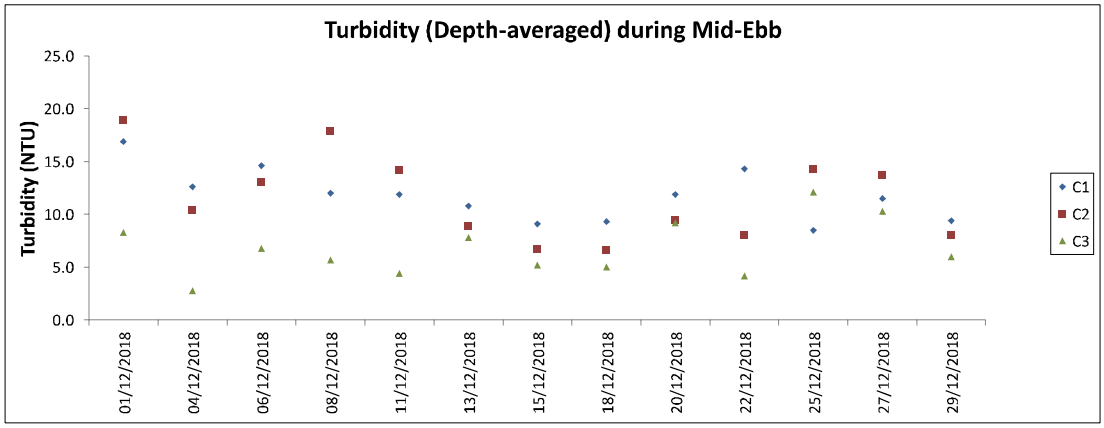
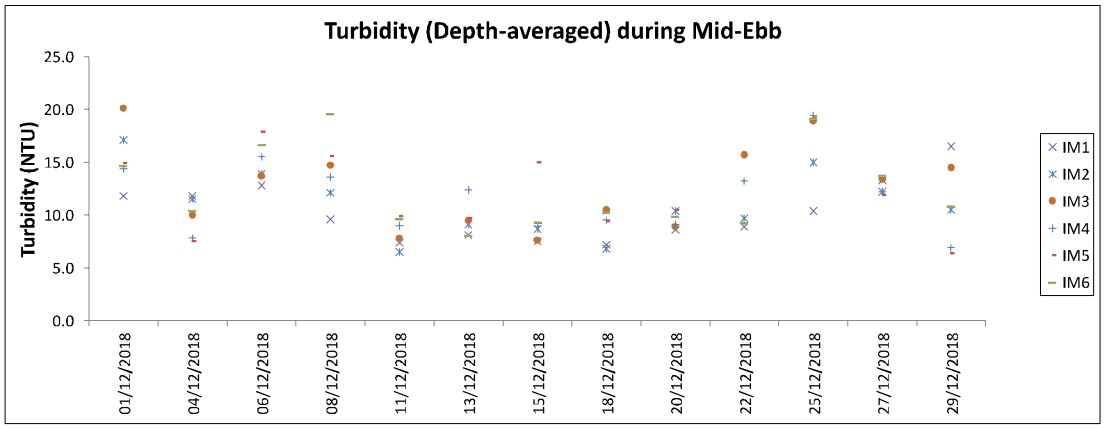
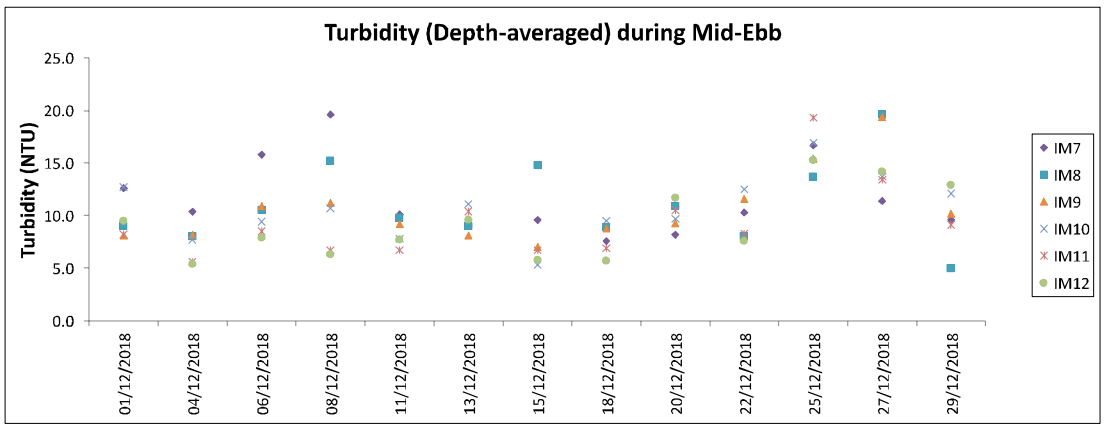
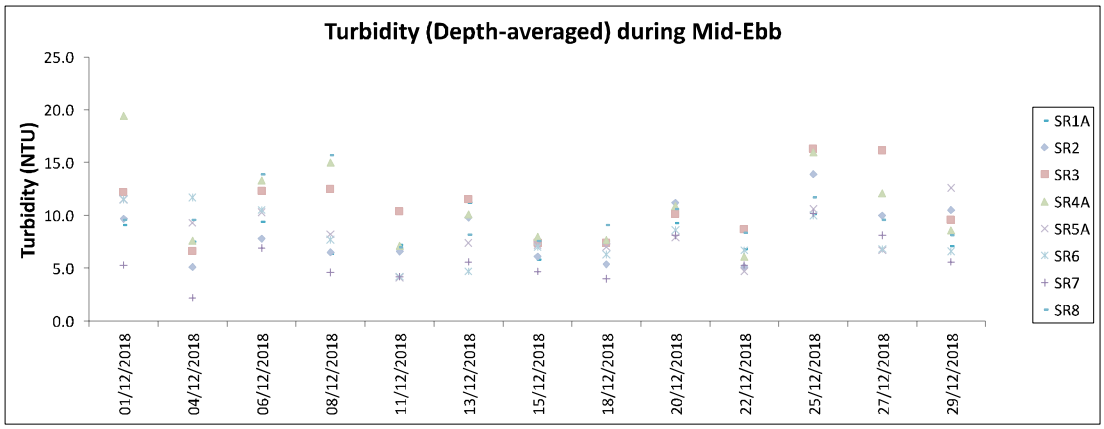
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10
8
6
4
2
01/12/2018
04/12/2018
06/12/2018
08/12/2018
11/12/2018
13/12/2018
15/12/2018
18/12/2018
20/12/2018
22/12/2018
25/12/2018
27/12/2018
29/12/2018
SR1A
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL

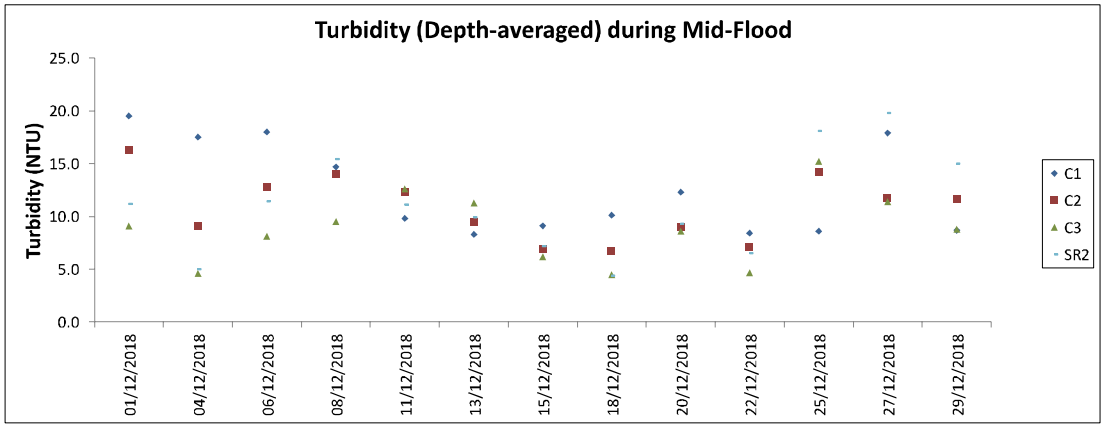


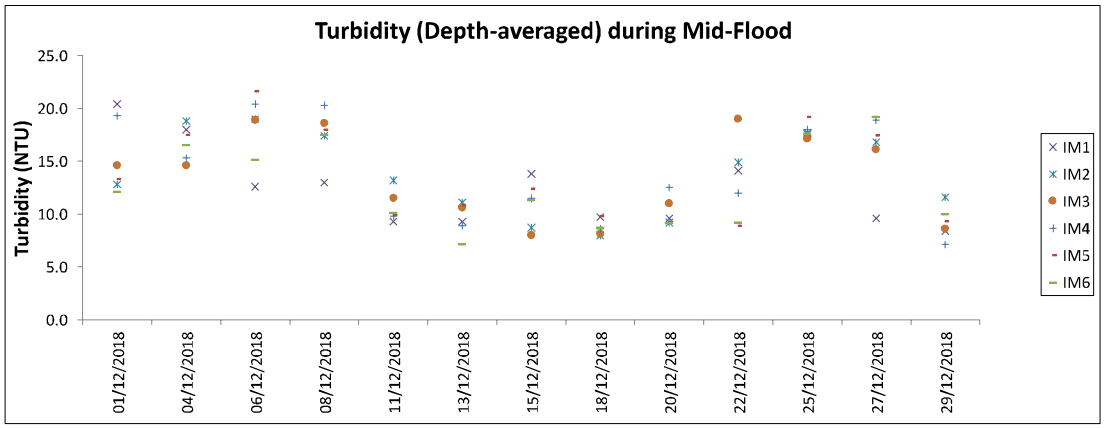


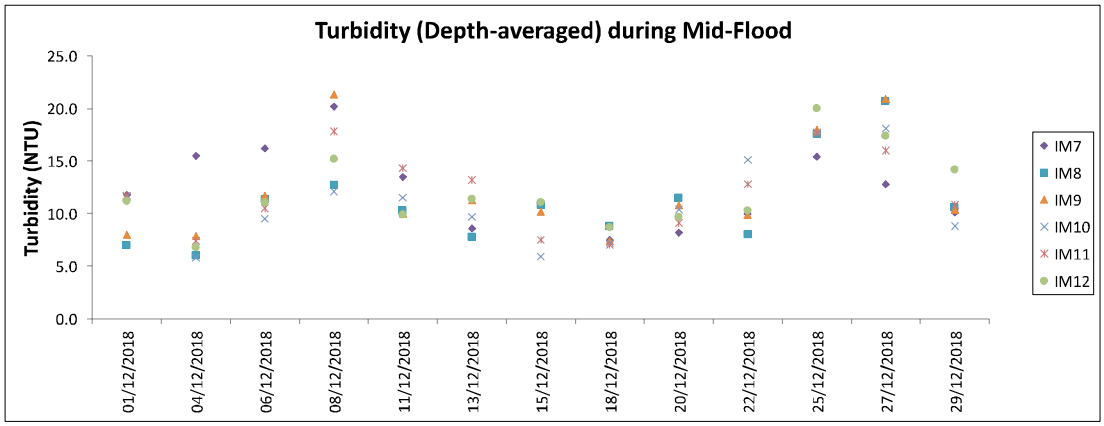


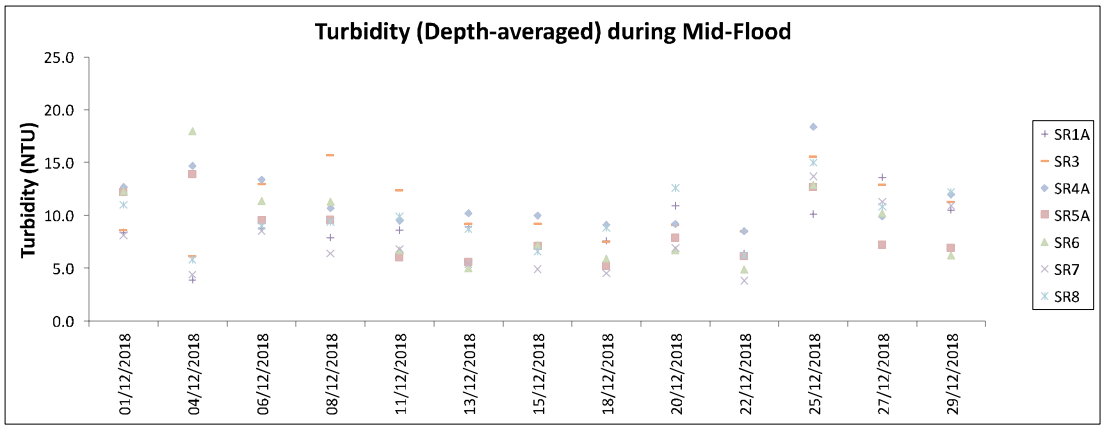


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

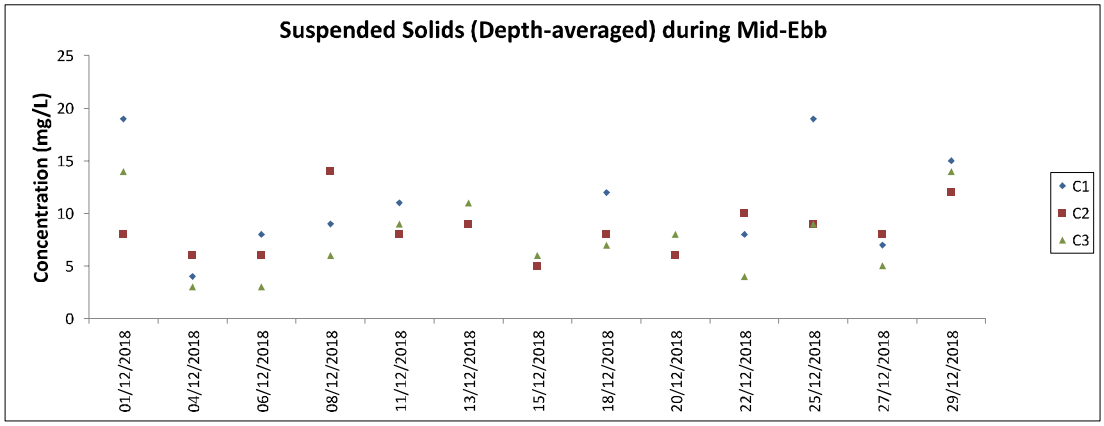


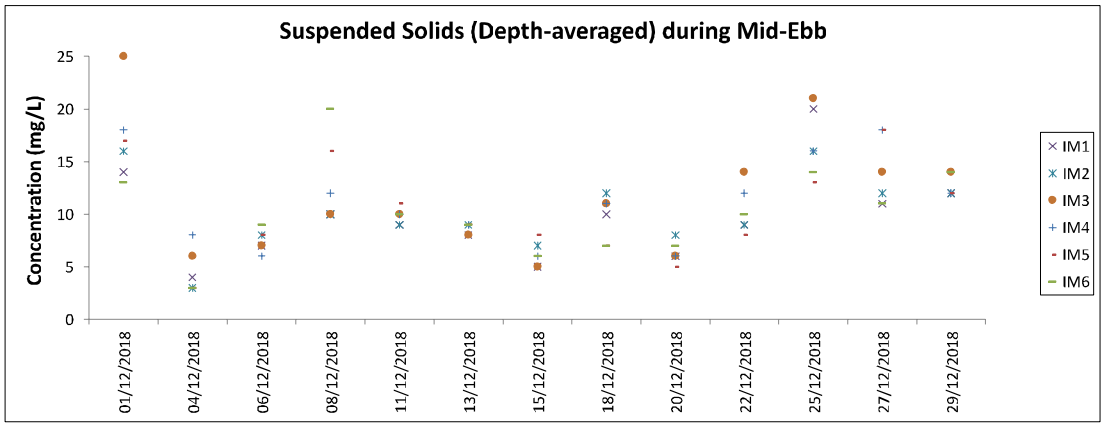


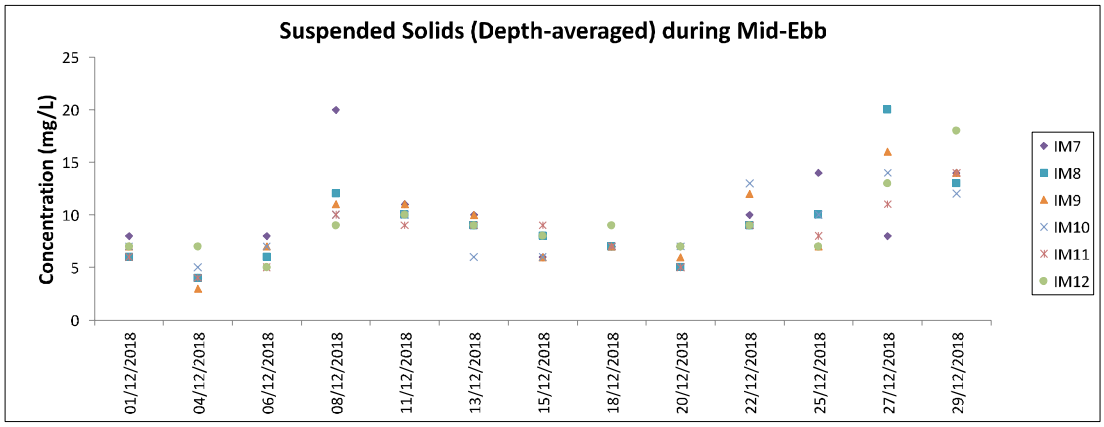


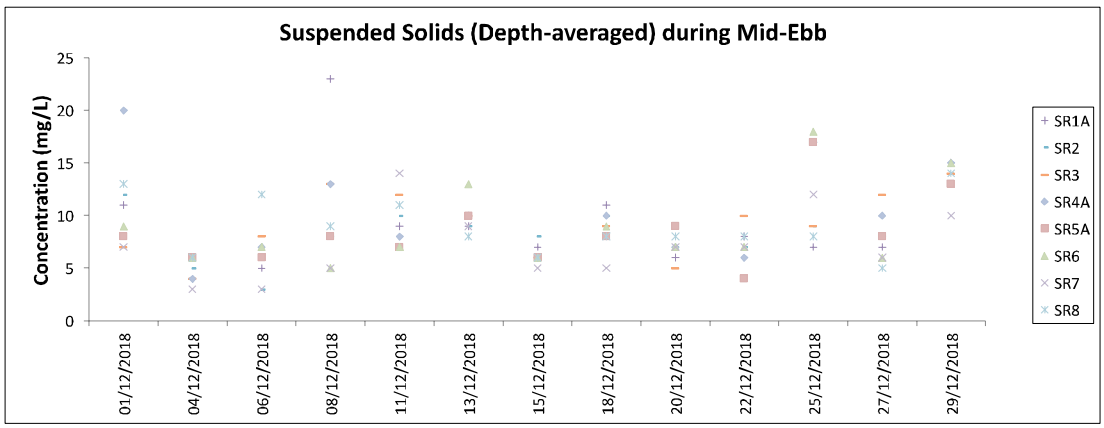


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

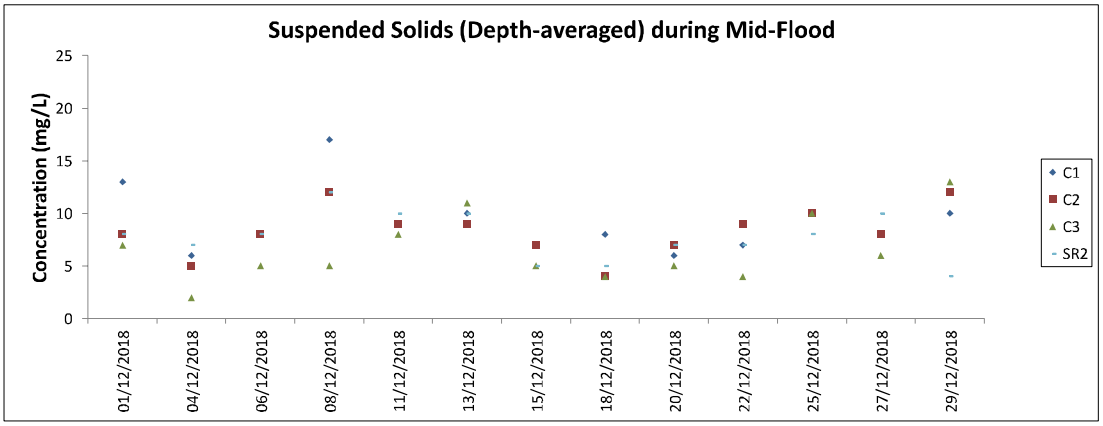


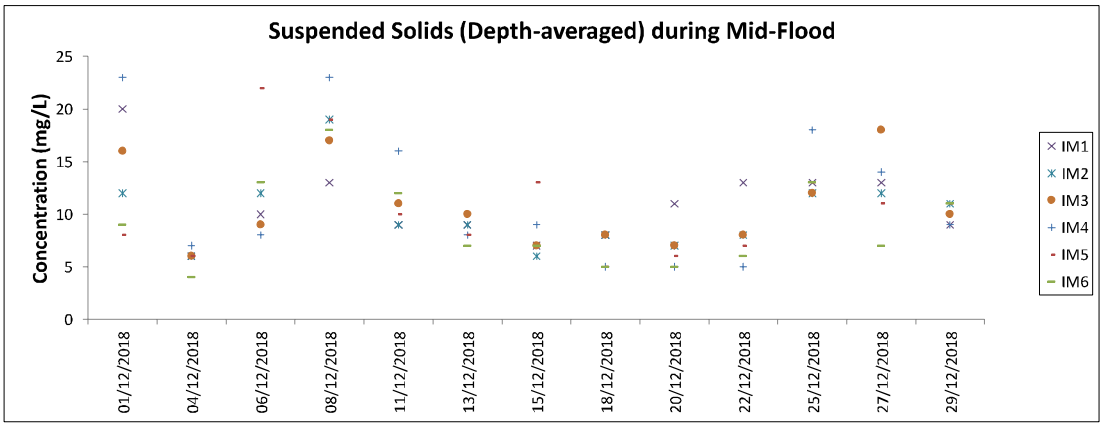


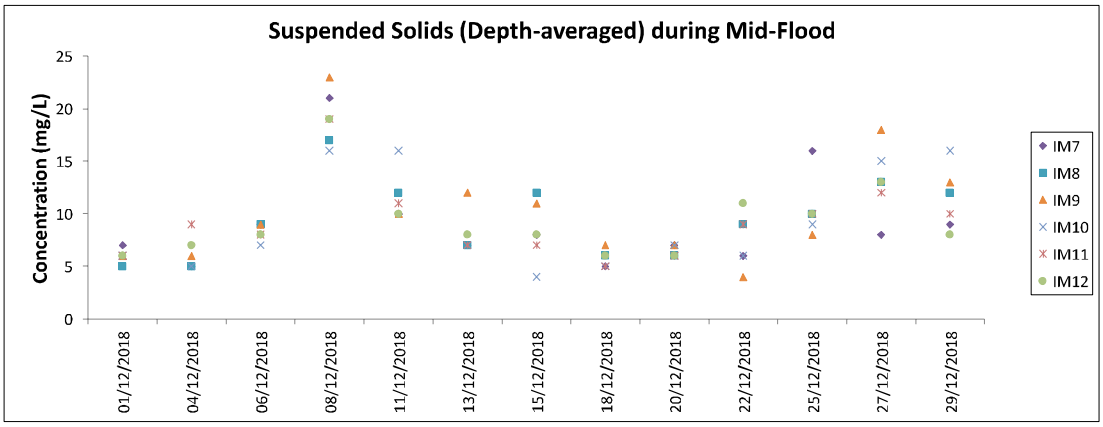


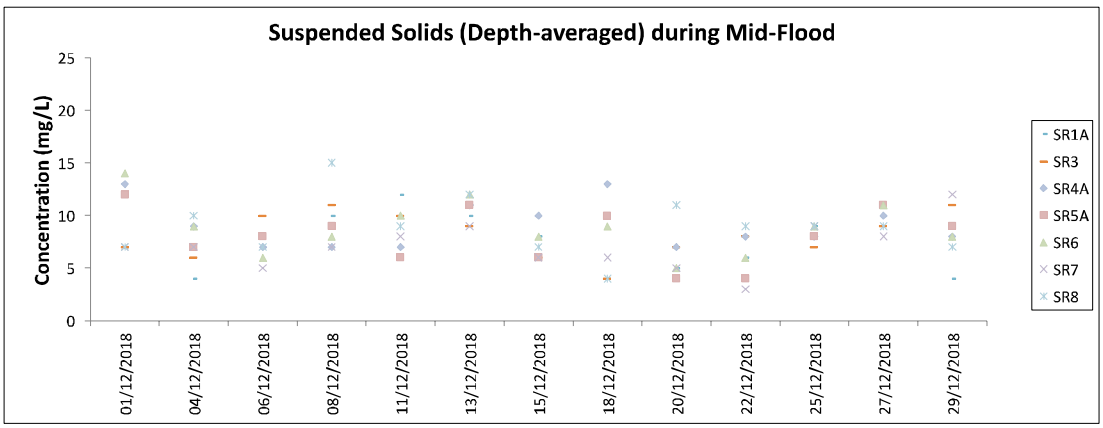


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

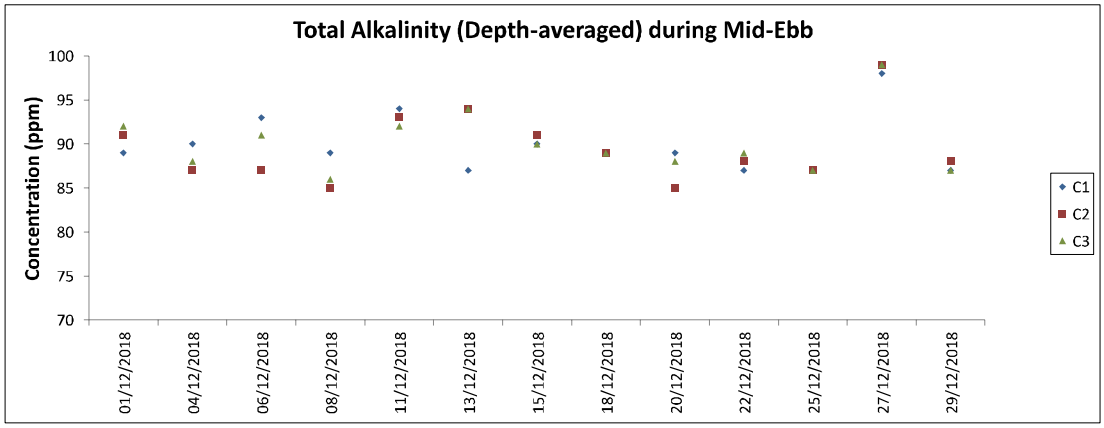


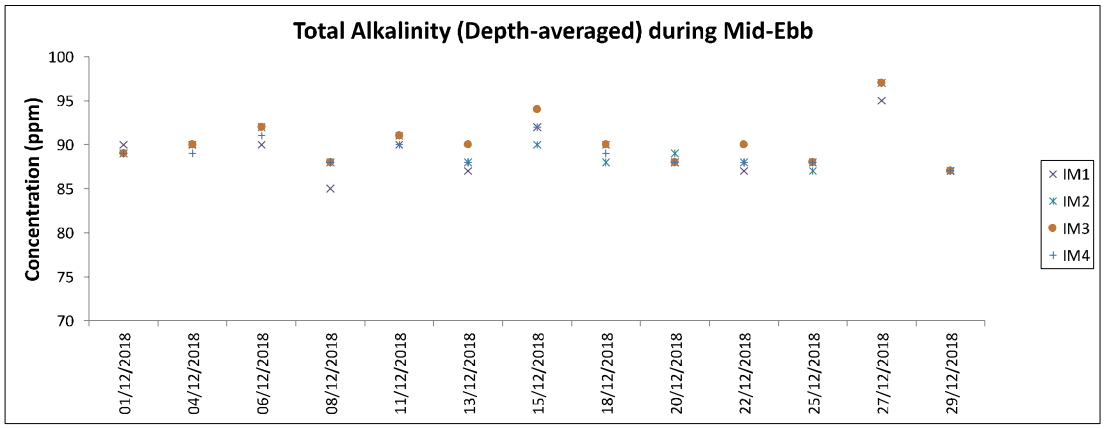


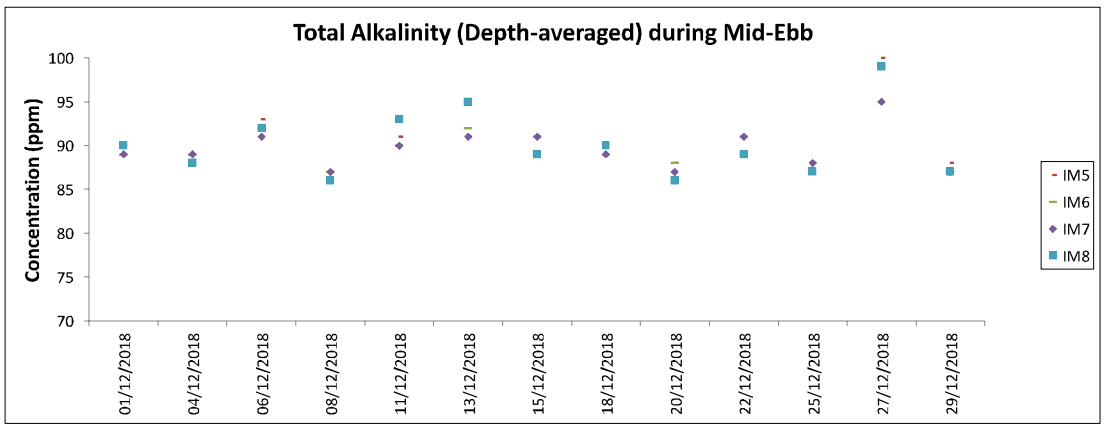


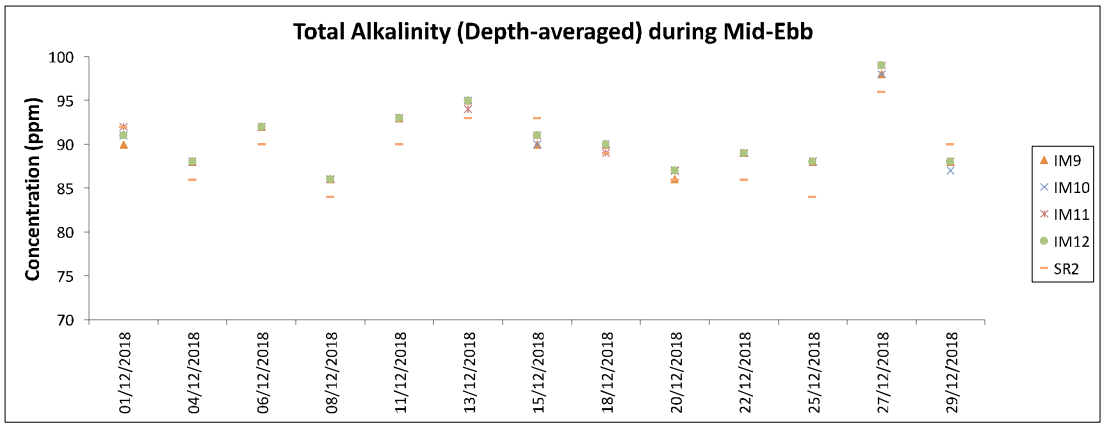


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

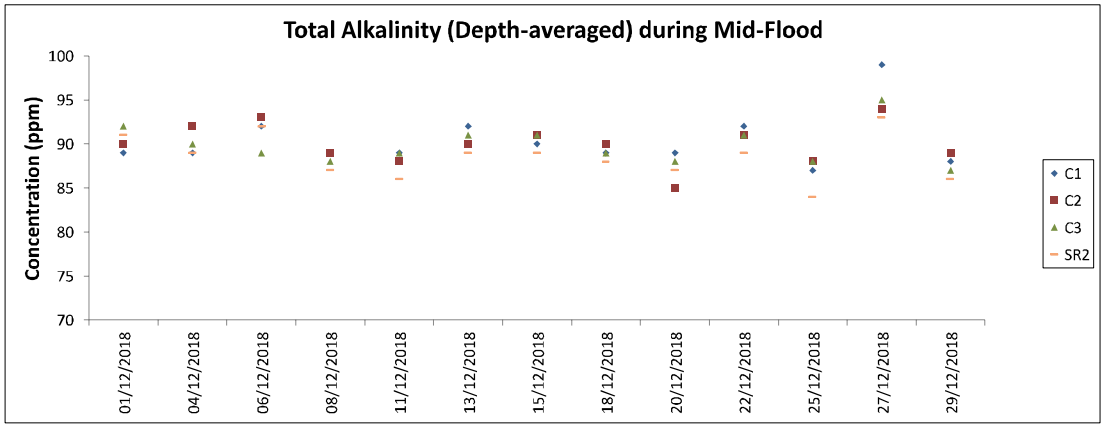


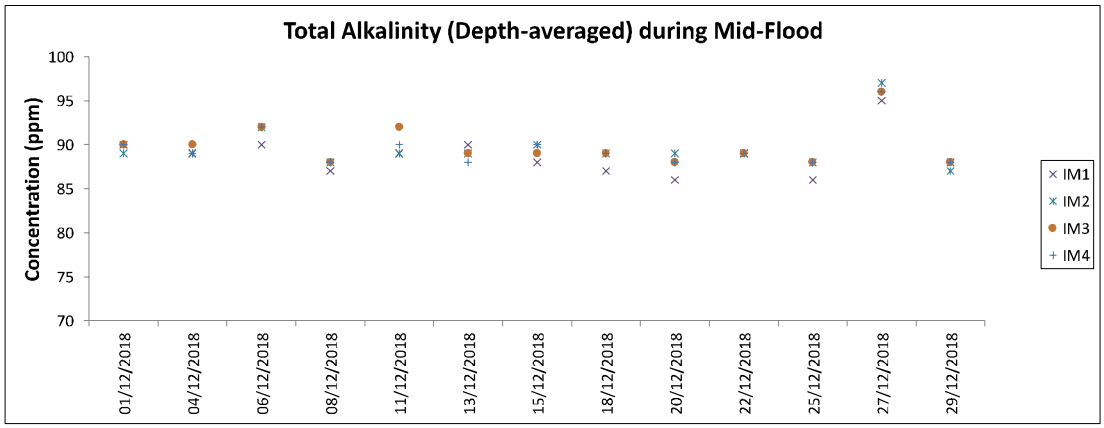


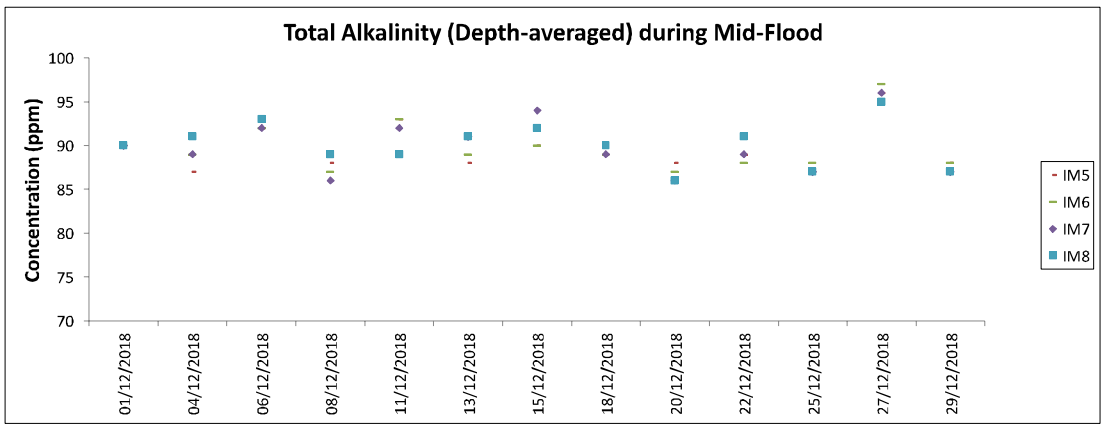


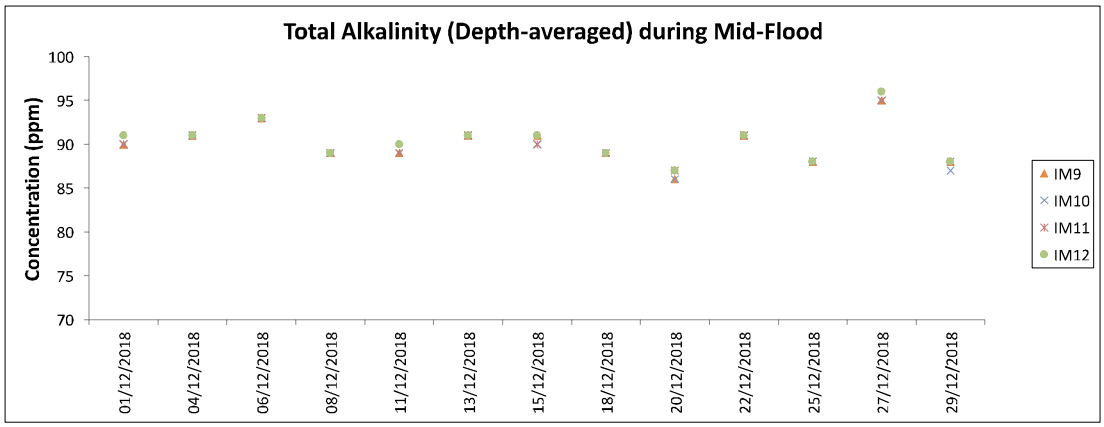


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

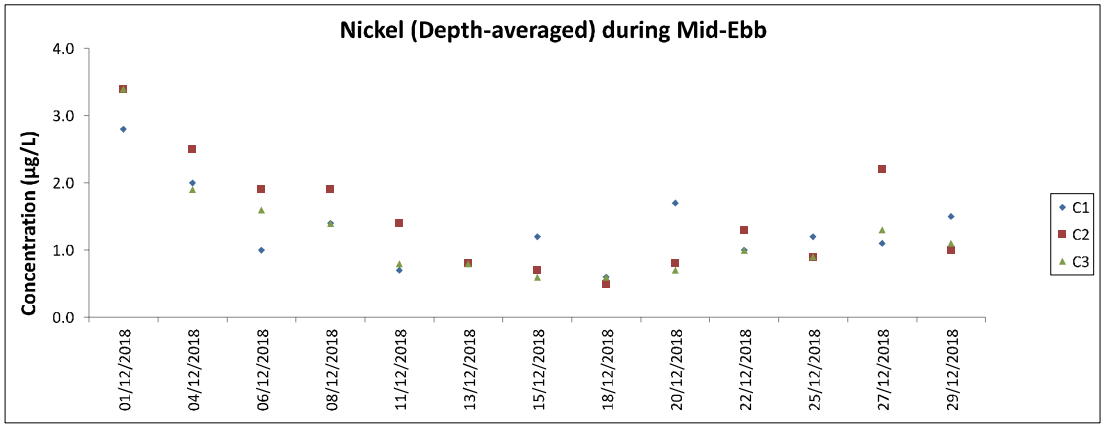


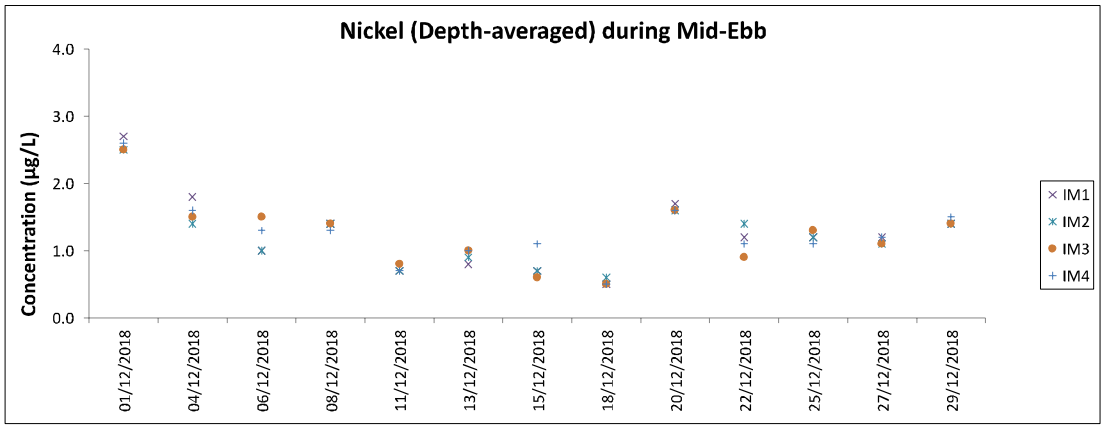


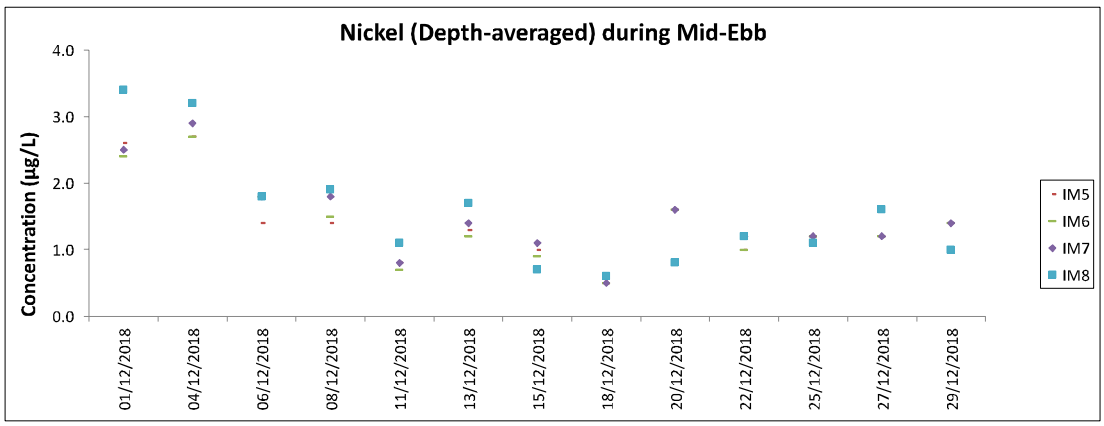


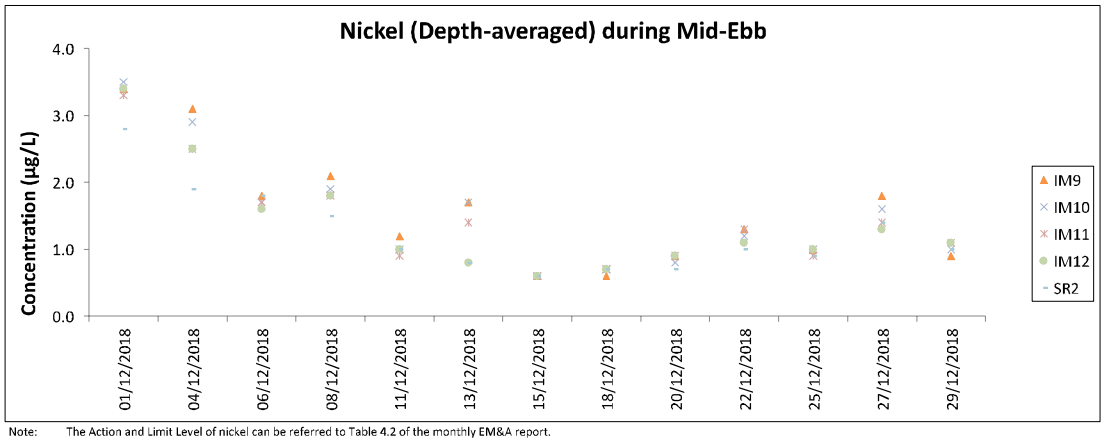


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

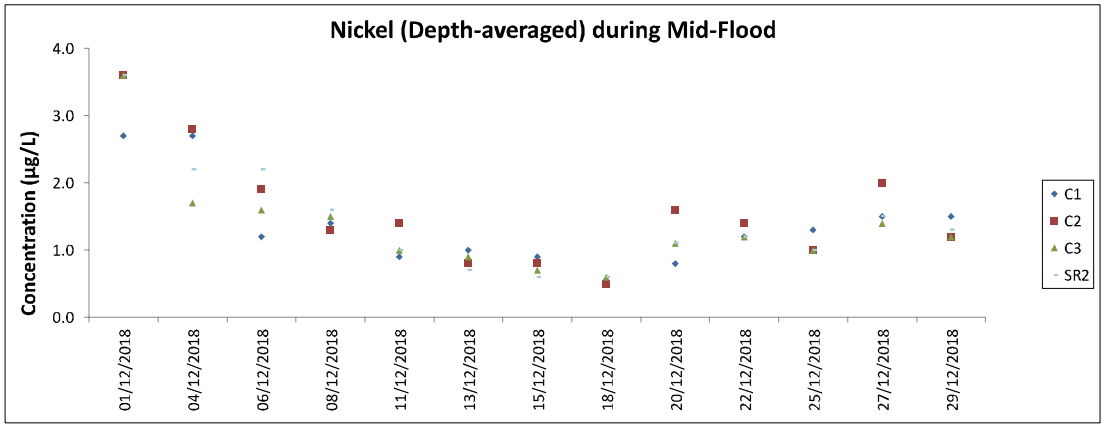


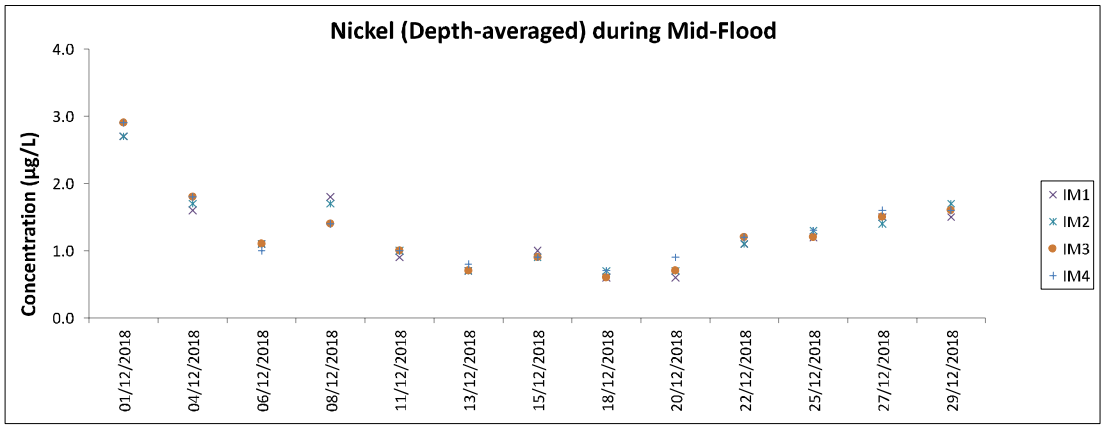


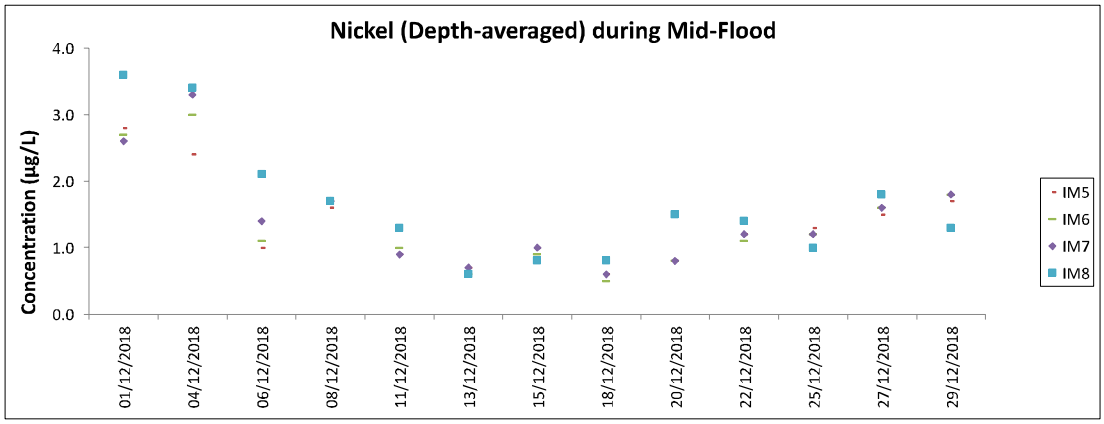


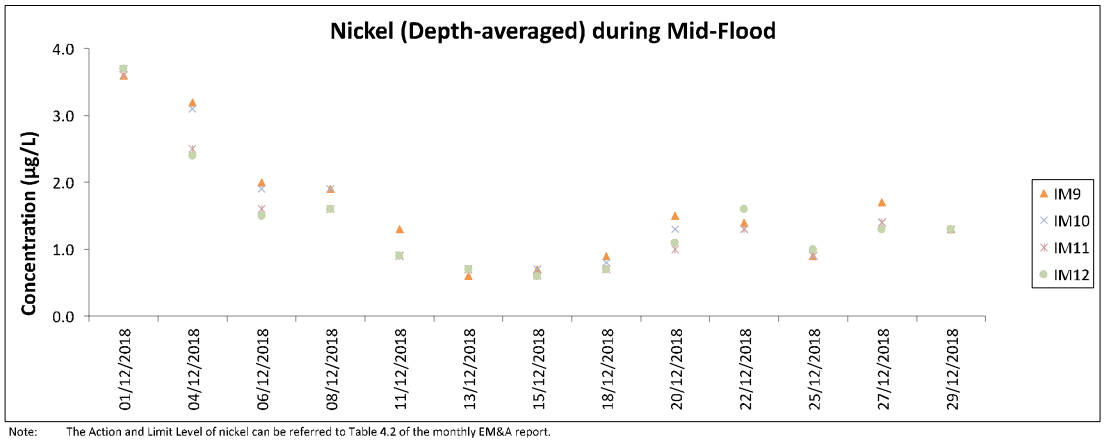


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.

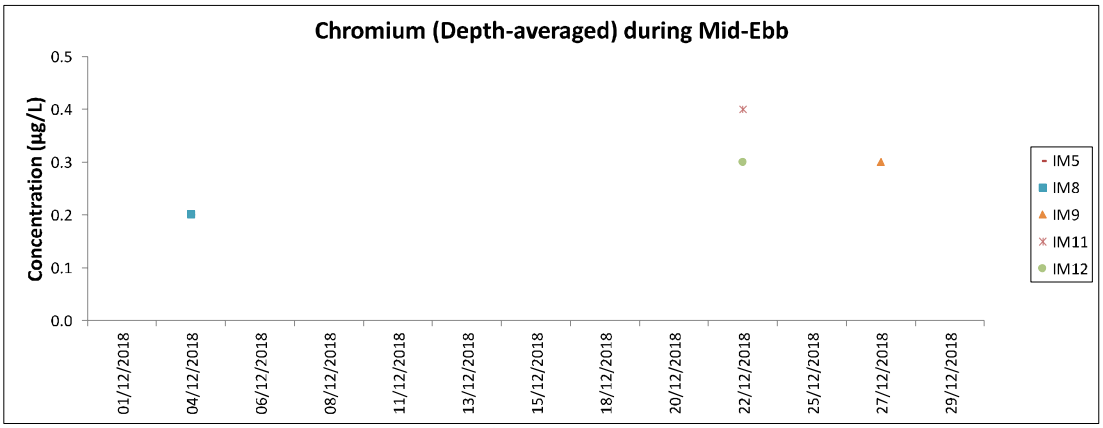








Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.



Note: All other chromium results in the reporting period was below the reporting limit 0.2 µg/L.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
4-Oct-18	AW	2	1.010	AUTUMN	32166	3RS ET	P
4-Oct-18	AW	3	3.830	AUTUMN	32166	3RS ET	P
4-Oct-18	WL	3	16.560	AUTUMN	32166	3RS ET	P
4-Oct-18	WL	4	3.020	AUTUMN	32166	3RS ET	P
4-Oct-18	WL	2	0.740	AUTUMN	32166	3RS ET	S
4-Oct-18	WL	3	8.310	AUTUMN	32166	3RS ET	S
4-Oct-18	WL	4	1.110	AUTUMN	32166	3RS ET	S
5-Oct-18	NWL	2	9.800	AUTUMN	32166	3RS ET	P
5-Oct-18	NWL	3	37.010	AUTUMN	32166	3RS ET	P
5-Oct-18	NWL	4	15.400	AUTUMN	32166	3RS ET	P
5-Oct-18	NWL	2	1.100	AUTUMN	32166	3RS ET	S
5-Oct-18	NWL	3	8.290	AUTUMN	32166	3RS ET	S
5-Oct-18	NWL	4	1.400	AUTUMN	32166	3RS ET	S
8-Oct-18	NWL	2	45.386	AUTUMN	32166	3RS ET	P
8-Oct-18	NWL	3	14.046	AUTUMN	32166	3RS ET	P
8-Oct-18	NWL	2	10.674	AUTUMN	32166	3RS ET	S
8-Oct-18	NWL	3	1.390	AUTUMN	32166	3RS ET	S
11-Oct-18	NEL	2	15.780	AUTUMN	32166	3RS ET	P
11-Oct-18	NEL	3	19.940	AUTUMN	32166	3RS ET	P
11-Oct-18	NEL	4	1.900	AUTUMN	32166	3RS ET	P
11-Oct-18	NEL	2	3.580	AUTUMN	32166	3RS ET	S
11-Oct-18	NEL	3	5.900	AUTUMN	32166	3RS ET	S
12-Oct-18	NEL	2	29.540	AUTUMN	32166	3RS ET	P
12-Oct-18	NEL	3	6.500	AUTUMN	32166	3RS ET	P
12-Oct-18	NEL	2	7.440	AUTUMN	32166	3RS ET	S
12-Oct-18	NEL	3	2.900	AUTUMN	32166	3RS ET	S
23-Oct-18	SWL	2	24.730	AUTUMN	32166	3RS ET	P
23-Oct-18	SWL	3	31.390	AUTUMN	32166	3RS ET	P
23-Oct-18	SWL	2	9.780	AUTUMN	32166	3RS ET	S
23-Oct-18	SWL	3	5.100	AUTUMN	32166	3RS ET	S
24-Oct-18	AW	2	4.710	AUTUMN	32166	3RS ET	P
24-Oct-18	WL	2	13.470	AUTUMN	32166	3RS ET	P
24-Oct-18	WL	3	4.494	AUTUMN	32166	3RS ET	P
24-Oct-18	WL	4	1.000	AUTUMN	32166	3RS ET	P
24-Oct-18	WL	2	6.760	AUTUMN	32166	3RS ET	S
24-Oct-18	WL	3	2.240	AUTUMN	32166	3RS ET	S
24-Oct-18	WL	4	0.300	AUTUMN	32166	3RS ET	S
24-Oct-18	WL	5	0.500	AUTUMN	32166	3RS ET	S
26-Oct-18	SWL	2	25.709	AUTUMN	32166	3RS ET	P
26-Oct-18	SWL	3	30.667	AUTUMN	32166	3RS ET	P
26-Oct-18	SWL	2	9.234	AUTUMN	32166	3RS ET	S
26-Oct-18	SWL	3	5.860	AUTUMN	32166	3RS ET	S
6-Nov-18	NWL	2	7.350	AUTUMN	32166	3RS ET	P
6-Nov-18	NWL	3	40.500	AUTUMN	32166	3RS ET	P
6-Nov-18	NWL	4	12.930	AUTUMN	32166	3RS ET	P
6-Nov-18	NWL	2	2.000	AUTUMN	32166	3RS ET	S
6-Nov-18	NWL	3	7.820	AUTUMN	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
6-Nov-18	NWL	4	1.800	AUTUMN	32166	3RS ET	S
7-Nov-18	NEL	2	2.200	AUTUMN	32166	3RS ET	P
7-Nov-18	NEL	3	30.480	AUTUMN	32166	3RS ET	P
7-Nov-18	NEL	4	4.540	AUTUMN	32166	3RS ET	P
7-Nov-18	NEL	2	0.700	AUTUMN	32166	3RS ET	S
7-Nov-18	NEL	3	9.180	AUTUMN	32166	3RS ET	S
12-Nov-18	NWL	2	60.880	AUTUMN	32166	3RS ET	P
12-Nov-18	NWL	3	2.180	AUTUMN	32166	3RS ET	P
12-Nov-18	NWL	2	12.440	AUTUMN	32166	3RS ET	S
13-Nov-18	NEL	1	10.400	AUTUMN	32166	3RS ET	P
13-Nov-18	NEL	2	13.700	AUTUMN	32166	3RS ET	P
13-Nov-18	NEL	3	13.500	AUTUMN	32166	3RS ET	P
13-Nov-18	NEL	1	1.800	AUTUMN	32166	3RS ET	S
13-Nov-18	NEL	2	2.100	AUTUMN	32166	3RS ET	S
13-Nov-18	NEL	3	5.600	AUTUMN	32166	3RS ET	S
16-Nov-18	AW	2	2.900	AUTUMN	32166	3RS ET	P
16-Nov-18	AW	3	1.910	AUTUMN	32166	3RS ET	P
16-Nov-18	WL	2	2.752	AUTUMN	32166	3RS ET	P
16-Nov-18	WL	3	10.665	AUTUMN	32166	3RS ET	P
16-Nov-18	WL	4	2.306	AUTUMN	32166	3RS ET	P
16-Nov-18	WL	2	1.680	AUTUMN	32166	3RS ET	S
16-Nov-18	WL	3	5.483	AUTUMN	32166	3RS ET	S
16-Nov-18	WL	4	0.355	AUTUMN	32166	3RS ET	S
20-Nov-18	AW	3	2.570	AUTUMN	32166	3RS ET	P
20-Nov-18	AW	4	1.950	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	2	6.864	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	3	6.279	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	4	5.049	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	5	1.710	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	2	6.792	AUTUMN	32166	3RS ET	S
20-Nov-18	WL	3	1.259	AUTUMN	32166	3RS ET	S
20-Nov-18	WL	4	1.812	AUTUMN	32166	3RS ET	S
20-Nov-18	WL	5	0.370	AUTUMN	32166	3RS ET	S
21-Nov-18	SWL	2	10.974	AUTUMN	32166	3RS ET	P
21-Nov-18	SWL	3	29.690	AUTUMN	32166	3RS ET	P
21-Nov-18	SWL	4	10.110	AUTUMN	32166	3RS ET	P
21-Nov-18	SWL	5	1.200	AUTUMN	32166	3RS ET	P
21-Nov-18	SWL	2	3.840	AUTUMN	32166	3RS ET	S
21-Nov-18	SWL	3	9.400	AUTUMN	32166	3RS ET	S
21-Nov-18	SWL	4	2.860	AUTUMN	32166	3RS ET	S
23-Nov-18	SWL	2	17.802	AUTUMN	32166	3RS ET	P
23-Nov-18	SWL	3	33.670	AUTUMN	32166	3RS ET	P
23-Nov-18	SWL	4	4.260	AUTUMN	32166	3RS ET	P
23-Nov-18	SWL	2	8.268	AUTUMN	32166	3RS ET	S
23-Nov-18	SWL	3	6.410	AUTUMN	32166	3RS ET	S
23-Nov-18	SWL	4	1.090	AUTUMN	32166	3RS ET	S
3-Dec-18	NWL	2	40.660	WINTER	32166	3RS ET	P
3-Dec-18	NWL	3	21.070	WINTER	32166	3RS ET	P
3-Dec-18	NWL	2	9.970	WINTER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
3-Dec-18	NWL	3	1.200	WINTER	32166	3RS ET	S
4-Dec-18	SWL	1	1.500	WINTER	32166	3RS ET	P
4-Dec-18	SWL	2	53.480	WINTER	32166	3RS ET	P
4-Dec-18	SWL	2	13.410	WINTER	32166	3RS ET	S
6-Dec-18	NEL	2	31.662	WINTER	32166	3RS ET	P
6-Dec-18	NEL	3	5.158	WINTER	32166	3RS ET	P
6-Dec-18	NEL	2	9.300	WINTER	32166	3RS ET	S
6-Dec-18	NEL	3	1.080	WINTER	32166	3RS ET	S
7-Dec-18	NEL	2	25.400	WINTER	32166	3RS ET	P
7-Dec-18	NEL	3	11.810	WINTER	32166	3RS ET	P
7-Dec-18	NEL	2	5.200	WINTER	32166	3RS ET	S
7-Dec-18	NEL	3	4.890	WINTER	32166	3RS ET	S
17-Dec-18	NWL	2	9.700	WINTER	32166	3RS ET	P
17-Dec-18	NWL	3	50.000	WINTER	32166	3RS ET	P
17-Dec-18	NWL	4	3.700	WINTER	32166	3RS ET	P
17-Dec-18	NWL	2	3.400	WINTER	32166	3RS ET	S
17-Dec-18	NWL	3	9.000	WINTER	32166	3RS ET	S
18-Dec-18	SWL	2	13.300	WINTER	32166	3RS ET	P
18-Dec-18	SWL	3	19.310	WINTER	32166	3RS ET	P
18-Dec-18	SWL	4	6.734	WINTER	32166	3RS ET	P
18-Dec-18	SWL	5	15.820	WINTER	32166	3RS ET	P
18-Dec-18	SWL	2	1.300	WINTER	32166	3RS ET	S
18-Dec-18	SWL	3	9.990	WINTER	32166	3RS ET	S
18-Dec-18	SWL	4	2.406	WINTER	32166	3RS ET	S
18-Dec-18	SWL	5	2.140	WINTER	32166	3RS ET	S
20-Dec-18	AW	2	4.680	WINTER	32166	3RS ET	P
20-Dec-18	WL	1	1.360	WINTER	32166	3RS ET	P
20-Dec-18	WL	2	18.841	WINTER	32166	3RS ET	P
20-Dec-18	WL	2	10.999	WINTER	32166	3RS ET	S
21-Dec-18	AW	1	4.800	WINTER	32166	3RS ET	P
21-Dec-18	WL	1	1.990	WINTER	32166	3RS ET	P
21-Dec-18	WL	2	12.080	WINTER	32166	3RS ET	P
21-Dec-18	WL	3	4.200	WINTER	32166	3RS ET	P
21-Dec-18	WL	4	0.800	WINTER	32166	3RS ET	P
21-Dec-18	WL	1	1.370	WINTER	32166	3RS ET	S
21-Dec-18	WL	2	5.760	WINTER	32166	3RS ET	S
21-Dec-18	WL	3	1.900	WINTER	32166	3RS ET	S
21-Dec-18	WL	4	1.200	WINTER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months (i.e. October and November 2018) are presented for reference only.

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
4-Oct-18	1	1104	CWD	3	WL	3	461	ON	3RS ET	22.2411	113.8415	AUTUMN	NONE	P
4-Oct-18	2	1148	CWD	1	WL	3	2	ON	3RS ET	22.2319	113.8356	AUTUMN	NONE	P
4-Oct-18	3	1210	CWD	3	WL	3	325	ON	3RS ET	22.2232	113.8283	AUTUMN	NONE	P
4-Oct-18	4	1253	CWD	2	WL	3	49	ON	3RS ET	22.2029	113.8235	AUTUMN	NONE	S
4-Oct-18	5	1314	CWD	7	WL	4	214	ON	3RS ET	22.1965	113.8380	AUTUMN	NONE	P
5-Oct-18	1	1038	CWD	3	NWL	3	182	ON	3RS ET	22.2805	113.8703	AUTUMN	NONE	P
8-Oct-18	1	0948	CWD	6	NWL	3	860	ON	3RS ET	22.3855	113.8703	AUTUMN	NONE	P
8-Oct-18	2	1201	CWD	1	NWL	2	59	ON	3RS ET	22.3717	113.8774	AUTUMN	NONE	P
8-Oct-18	3	1223	CWD	4	NWL	2	196	ON	3RS ET	22.3923	113.8781	AUTUMN	NONE	P
8-Oct-18	4	1410	CWD	1	NWL	2	116	ON	3RS ET	22.3887	113.8980	AUTUMN	NONE	P
8-Oct-18	5	1423	CWD	2	NWL	2	15	ON	3RS ET	22.3897	113.8979	AUTUMN	NONE	P
12-Oct-18	1	1210	CWD	1	NEL	2	18	ON	3RS ET	22.3219	113.9658	AUTUMN	NONE	P
24-Oct-18	1	1033	CWD	5	WL	3	264	ON	3RS ET	22.2690	113.8447	AUTUMN	NONE	S
24-Oct-18	2	1054	CWD	6	WL	3	300	ON	3RS ET	22.2690	113.8459	AUTUMN	NONE	P
26-Oct-18	1	1236	FP	1	SWL	2	55	ON	3RS ET	22.1571	113.8774	AUTUMN	NONE	S
6-Nov-18	1	0941	CWD	4	NWL	3	997	ON	3RS ET	22.3858	113.8695	AUTUMN	NONE	P
6-Nov-18	2	1202	CWD	7	NWL	2	259	ON	3RS ET	22.3897	113.8781	AUTUMN	NONE	P
12-Nov-18	1	1036	CWD	2	NWL	2	635	ON	3RS ET	22.2857	113.8701	AUTUMN	NONE	P
12-Nov-18	2	1145	CWD	2	NWL	3	4	ON	3RS ET	22.3678	113.8780	AUTUMN	NONE	P
16-Nov-18	1	1038	CWD	4	WL	3	60	ON	3RS ET	22.2604	113.8462	AUTUMN	NONE	P
16-Nov-18	2	1059	CWD	3	WL	2	131	ON	3RS ET	22.2502	113.8359	AUTUMN	NONE	P
16-Nov-18	3	1144	CWD	3	WL	3	783	ON	3RS ET	22.2300	113.8381	AUTUMN	NONE	S
16-Nov-18	4	1219	CWD	1	WL	2	20	ON	3RS ET	22.2233	113.8273	AUTUMN	NONE	P
16-Nov-18	5	1223	CWD	3	WL	2	244	ON	3RS ET	22.2237	113.8249	AUTUMN	NONE	P
16-Nov-18	6	1237	CWD	1	WL	3	170	ON	3RS ET	22.2144	113.8230	AUTUMN	NONE	P
16-Nov-18	7	1243	CWD	2	WL	3	413	ON	3RS ET	22.2146	113.8296	AUTUMN	NONE	P
16-Nov-18	8	1300	CWD	8	WL	3	103	ON	3RS ET	22.2054	113.8384	AUTUMN	NONE	P
16-Nov-18	9	1322	CWD	3	WL	3	171	ON	3RS ET	22.2000	113.8254	AUTUMN	NONE	S
16-Nov-18	10	1345	CWD	2	WL	3	77	ON	3RS ET	22.1963	113.8401	AUTUMN	NONE	P
20-Nov-18	1	1058	CWD	3	WL	2	127	ON	3RS ET	22.2413	113.8401	AUTUMN	NONE	P
20-Nov-18	2	1210	CWD	4	WL	2	N/A	OFF	3RS ET	22.2234	113.8330	AUTUMN	NONE	P
20-Nov-18	3	1226	CWD	4	WL	3	7	ON	3RS ET	22.2230	113.8315	AUTUMN	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
20-Nov-18	4	1244	CWD	2	WL	3	495	ON	3RS ET	22.2227	113.8233	AUTUMN	NONE	P
21-Nov-18	1	1450	CWD	1	SWL	3	354	ON	3RS ET	22.1994	113.8604	AUTUMN	NONE	S
21-Nov-18	2	1516	CWD	1	SWL	2	339	ON	3RS ET	22.1757	113.8489	AUTUMN	NONE	P
21-Nov-18	3	1532	CWD	1	SWL	2	N/A	OFF	3RS ET	22.1869	113.8490	AUTUMN	NONE	P
23-Nov-18	1	1320	FP	2	SWL	2	52	ON	3RS ET	22.1551	113.9041	AUTUMN	NONE	S
3-Dec-18	1	1039	CWD	2	NWL	2	178	ON	3RS ET	22.2718	113.8723	WINTER	NONE	S
3-Dec-18	2	1302	CWD	1	NWL	3	21	ON	3RS ET	22.3659	113.8976	WINTER	NONE	P
4-Dec-18	1	1442	CWD	10	SWL	2	210	ON	3RS ET	22.2007	113.8657	WINTER	NONE	S
4-Dec-18	2	1533	CWD	2	SWL	2	541	ON	3RS ET	22.1810	113.8491	WINTER	NONE	P
18-Dec-18	1	1315	FP	2	SWL	3	4	ON	3RS ET	22.1552	113.9043	WINTER	NONE	S
18-Dec-18	2	1419	FP	3	SWL	5	112	ON	3RS ET	22.1667	113.9268	WINTER	NONE	P
20-Dec-18	1	1136	CWD	1	WL	2	34	ON	3RS ET	22.2138	113.8278	WINTER	NONE	P
21-Dec-18	1	1143	CWD	11	WL	3	170	ON	3RS ET	22.2053	113.8303	WINTER	NONE	P
21-Dec-18	2	1218	CWD	7	WL	3	244	ON	3RS ET	22.1872	113.8315	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:

CWD monitoring survey data of the two preceding survey months (i.e. October and November 2018) are presented for reference only. No relevant figure or text will be mentioned in the 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 December 2018 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 419.770 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 34 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in December 2018 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in December 2018

$$STG = \frac{7}{419.770}\ x\ 100 = 1.67$$

Encounter Rate by Number of Dolphins (ANI) in December 2018

$$ANI = \frac{34}{419.770}\ x\ 100 = 8.10$$

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

A total of 1235.678 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 39 on-effort sightings and total number of 128 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)

$$STG = \frac{39}{1235.678}\ x\ 100 = 3.16$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{128}{1235.678}\ x\ 100 = 10.36$$

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

SLMM028_20181203_1_14

SLMM010_20181204_1_1

SLMM012_20181204_1_2

SLMM014_20181204_1_3

SLMM019_20181204_1_2

SLMM022_20181204_1_1

SLMM067_20181204_1_1

WLMM001_20181204_1_9

WLMM069_20181204_1_1

WLMM114_20181204_2_3

WLMM001_20181220_1_2

SLMM030_20181221_1_2

SLMM053_20181221_1_3

WLMM001_20181221_1_3

WLMM028_20181221_1_1

WLMM029_20181221_1_6

WLMM073_20181221_1_1

WLMM078_20181221_1_15

WLMM080_20181221_1_11

SLMM014_20181221_2_5

SLMM053_20181221_2_11

WLMM001_20181221_2_3

WLMM028_20181221_2_9

WLMM029_20181221_2_1

WLMM078_20181221_2_5

CWD Land-based Theodolite Tracking Survey

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
10/Dec/18	Lung Kwu Chau	8:46	14:46	6:00	2	2	4	1-3
11/Dec/18	Sha Chau	8:41	14:41	6:00	2-3	2	0	N/A
14/Dec/18	Sha Chau	8:43	14:43	6:00	2	2	0	N/A
18/Dec/18	Lung Kwu Chau	8:40	14:40	6:00	2-3	1	2	3-4
19/Dec/18	Lung Kwu Chau	8:43	14:43	6:00	2-3	1-2	2	3-5

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

Terrestrial Ecological Monitoring

Terrestrial Ecological Monitoring – location map and site photos regarding the monthly ecological monitoring for the egretry area on Sheung Sha Chau and the HDD daylighting location

Photo record of View 1

Photo record of View 2