Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

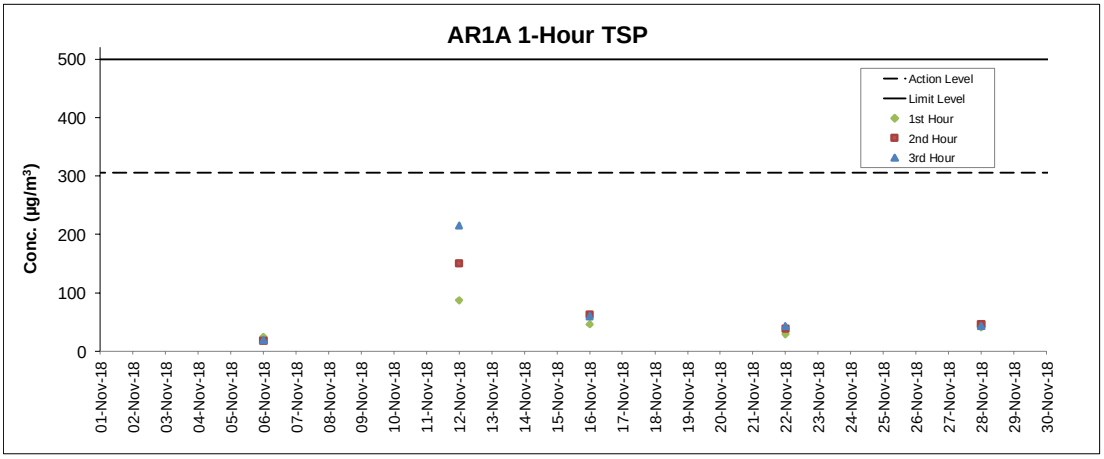
Station: AR1A- Man Tung Road Park

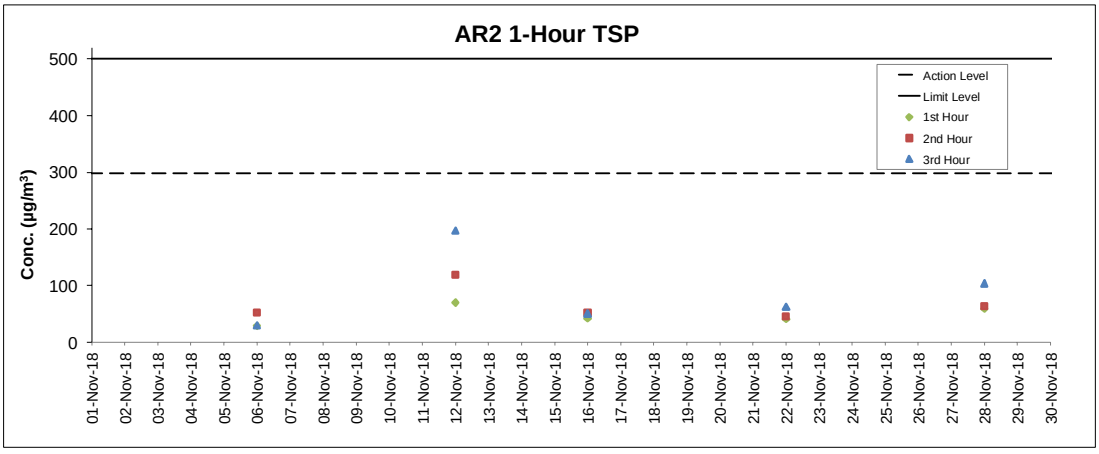
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP (μg/m^3)	Action Level (μg/m^3)	Limit Level (μg/m^3)
06-Nov-18	8:40	Sunny	4.6	87	24	306	500
06-Nov-18	9:40	Sunny	5.1	92	18	306	500
06-Nov-18	10:40	Sunny	4.6	94	19	306	500
12-Nov-18	9:33	Cloudy	2.7	288	87	306	500
12-Nov-18	10:33	Cloudy	1.4	Variable	150	306	500
12-Nov-18	11:33	Cloudy	2.3	271	215	306	500
16-Nov-18	9:09	Sunny	9.1	80	46	306	500
16-Nov-18	10:09	Sunny	8.0	79	63	306	500
16-Nov-18	11:09	Sunny	7.6	80	60	306	500
22-Nov-18	08:56	Sunny	6.5	356	29	306	500
22-Nov-18	9:56	Sunny	6.5	6	39	306	500
22-Nov-18	10:56	Sunny	6.6	358	43	306	500
28-Nov-18	9:09	Cloudy	3.6	60	41	306	500
28-Nov-18	10:09	Cloudy	3.4	54	46	306	500
28-Nov-18	11:09	Cloudy	3.7	60	43	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)
06-Nov-18	9:17	Sunny	5.7	85	29	298	500
06-Nov-18	10:17	Sunny	5.4	85	53	298	500
06-Nov-18	11:17	Sunny	5.4	106	30	298	500
12-Nov-18	9:09	Fine	2.2	286	70	298	500
12-Nov-18	10:09	Fine	1.7	285	119	298	500
12-Nov-18	11:09	Fine	2.3	268	197	298	500
16-Nov-18	9:17	Fine	5.7	85	42	298	500
16-Nov-18	10:17	Fine	5.4	85	53	298	500
16-Nov-18	11:17	Fine	5.4	106	51	298	500
22-Nov-18	10:12	Sunny	5.8	20	41	298	500
22-Nov-18	11:12	Sunny	6.8	355	46	298	500
22-Nov-18	12:12	Sunny	6.8	348	63	298	500
28-Nov-18	14:14	Rainy	2.6	96	59	298	500
28-Nov-18	15:14	Cloudy	3.3	79	64	298	500
28-Nov-18	16:14	Cloudy	4.5	108	104	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)
6-Nov-18	Sunny	9:02	74.3	57.5	72
6-Nov-18	Sunny	9:07	72.9	57.0	
6-Nov-18	Sunny	9:12	73.5	57.2	
6-Nov-18	Sunny	9:17	73.6	55.9	
6-Nov-18	Sunny	9:22	73.4	54.5	
6-Nov-18	Sunny	9:27	70.7	55.4	
12-Nov-18	Cloudy	9:47	75.3	53.8	67
12-Nov-18	Cloudy	9:52	74.7	53.3	
12-Nov-18	Cloudy	9:57	74.6	53.3	
12-Nov-18	Cloudy	10:02	74.0	54.1	
12-Nov-18	Cloudy	10:07	74.2	53.7	
12-Nov-18	Cloudy	10:12	77.0	55.2	
22-Nov-18	Sunny	9:05	73.1	57.3	72
22-Nov-18	Sunny	9:10	73.6	58.2	
22-Nov-18	Sunny	9:15	73.7	56.6	
22-Nov-18	Sunny	9:20	73.0	56.5	
22-Nov-18	Sunny	9:25	72.3	57.8	
22-Nov-18	Sunny	9:30	73.0	58.9	
28-Nov-18	Cloudy	9:20	73.9	57.0	73
28-Nov-18	Cloudy	9:25	73.5	55.1	
28-Nov-18	Cloudy	9:30	73.6	54.1	
28-Nov-18	Cloudy	9:35	73.8	54.6	
28-Nov-18	Cloudy	9:40	75.2	57.3	
28-Nov-18	Cloudy	9:45	72.3	55.3	

Remarks:

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

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

Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
6-Nov-18	Sunny	13:00	63.5	59.0	66
6-Nov-18	Sunny	13:05	64.8	59.8	
6-Nov-18	Sunny	13:10	63.0	59.7	
6-Nov-18	Sunny	13:15	65.3	60.2	
6-Nov-18	Sunny	13:20	69.9	62.2	
6-Nov-18	Sunny	13:25	72.5	68.3	
12-Nov-18	Fine	13:47	64.3	58.5	65
12-Nov-18	Fine	13:52	64.2	58.6	
12-Nov-18	Fine	13:57	62.8	58.5	
12-Nov-18	Fine	14:02	61.8	57.7	
12-Nov-18	Fine	14:07	63.8	58.8	
12-Nov-18	Fine	14:12	63.6	58.2	
22-Nov-18	Fine	13:05	70.9	63.3	68
22-Nov-18	Fine	13:10	72.1	67.7	
22-Nov-18	Fine	13:15	72.6	66.4	
22-Nov-18	Fine	13:20	64.1	59.1	
22-Nov-18	Fine	13:25	63.3	58.5	
22-Nov-18	Fine	13:30	63.8	58.8	
28-Nov-18	Cloudy	13:21	64.7	60.4	66
28-Nov-18	Cloudy	13:26	68.8	60.9	
28-Nov-18	Cloudy	13:31	65.3	60.6	
28-Nov-18	Cloudy	13:36	65.2	60.0	
28-Nov-18	Cloudy	13:41	63.6	59.7	
28-Nov-18	Cloudy	13:46	65.5	60.0	

Remarks:

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

Limit Level at NM4 was reduced to 65 dB(A) during school examination period from 9 to 15 Nov 2018.

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

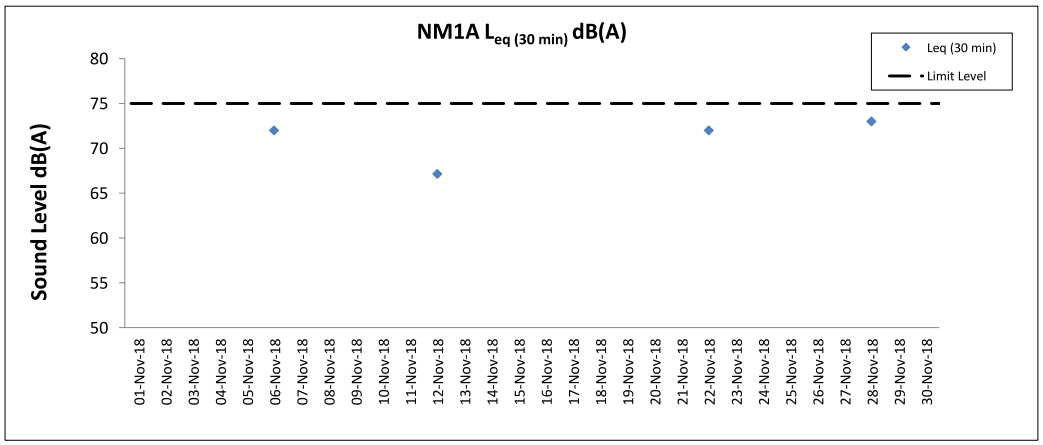
Date	Weather	Time	Measured L_{10} dB(A)	Measured L_{90} dB(A)	$L_{eq(30mins)}$ dB(A)
6-Nov-18	Sunny	9:18	61.3	48.9	61
6-Nov-18	Sunny	9:23	63.3	49.3	
6-Nov-18	Sunny	9:28	63.7	50.7	
6-Nov-18	Sunny	9:33	63.0	51.2	
6-Nov-18	Sunny	9:38	62.8	51.8	
6-Nov-18	Sunny	9:43	62.7	50.0	
12-Nov-18	Fine	9:19	57.1	44.2	57
12-Nov-18	Fine	9:24	62.6	46.8	
12-Nov-18	Fine	9:29	53.9	48.4	
12-Nov-18	Fine	9:34	61.2	45.5	
12-Nov-18	Fine	9:39	50.4	44.6	
12-Nov-18	Fine	9:44	51.7	44.4	
22-Nov-18	Sunny	10:16	63.8	51.8	57
22-Nov-18	Sunny	10:21	58.3	50.6	
22-Nov-18	Sunny	10:26	58.3	49.9	
22-Nov-18	Sunny	10:31	59.1	50.2	
22-Nov-18	Sunny	10:36	60.3	52.1	
22-Nov-18	Sunny	10:41	60.2	52.3	
28-Nov-18	Cloudy	15:19	57.4	49.7	59
28-Nov-18	Cloudy	15:24	65.0	52.4	
28-Nov-18	Cloudy	15:29	66.6	48.2	
28-Nov-18	Cloudy	15:34	54.4	47.1	
28-Nov-18	Cloudy	15:39	58.0	46.6	
28-Nov-18	Cloudy	15:44	54.1	46.9	

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)
8-Nov-18	Cloudy	9:45	72.4	58.9	74
8-Nov-18	Cloudy	9:50	77.5	57.6	
8-Nov-18	Cloudy	9:55	73.9	58.1	
8-Nov-18	Cloudy	10:00	79.3	61.7	
8-Nov-18	Cloudy	10:05	75.6	57.1	
8-Nov-18	Cloudy	10:10	69.2	57.5	
14-Nov-18	Cloudy	9:45	67.3	53.1	66
14-Nov-18	Cloudy	9:50	62.3	52.3	
14-Nov-18	Cloudy	9:55	71.5	58.7	
14-Nov-18	Cloudy	10:00	71.0	58.7	
14-Nov-18	Cloudy	10:05	74.7	62.5	
14-Nov-18	Cloudy	10:10	67.5	57.2	
20-Nov-18	Sunny	9:48	66.3	56.0	66
20-Nov-18	Sunny	9:53	67.9	56.6	
20-Nov-18	Sunny	9:58	72.2	57.8	
20-Nov-18	Sunny	10:03	71.1	54.5	
20-Nov-18	Sunny	10:08	70.0	65.5	
20-Nov-18	Sunny	10:13	70.6	64.1	
26-Nov-18	Cloudy	10:28	73.8	61.7	74
26-Nov-18	Cloudy	10:33	76.1	60.9	
26-Nov-18	Cloudy	10:38	75.1	60.2	
26-Nov-18	Cloudy	10:43	77.7	59.7	
26-Nov-18	Cloudy	10:48	77.1	59.6	
26-Nov-18	Cloudy	10:53	77.4	56.5	

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


NM1A $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
Leq (30 min)
Limit Level
80
75
70
65
60
55
50
01-Nov-18
02-Nov-18
03-Nov-18
04-Nov-18
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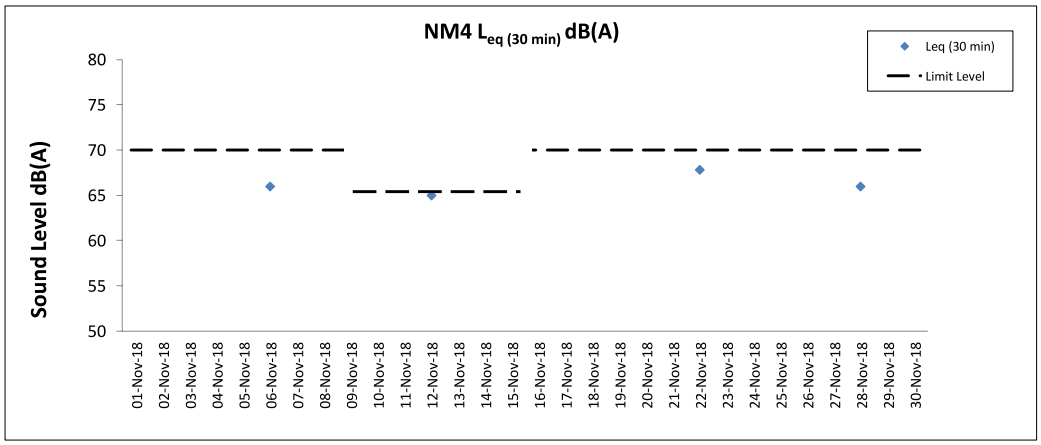
NM4 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
Leq (30 min)
Limit Level
80
75
70
65
60
55
50
01-Nov-18
02-Nov-18
03-Nov-18
04-Nov-18
05-Nov-18
06-Nov-18
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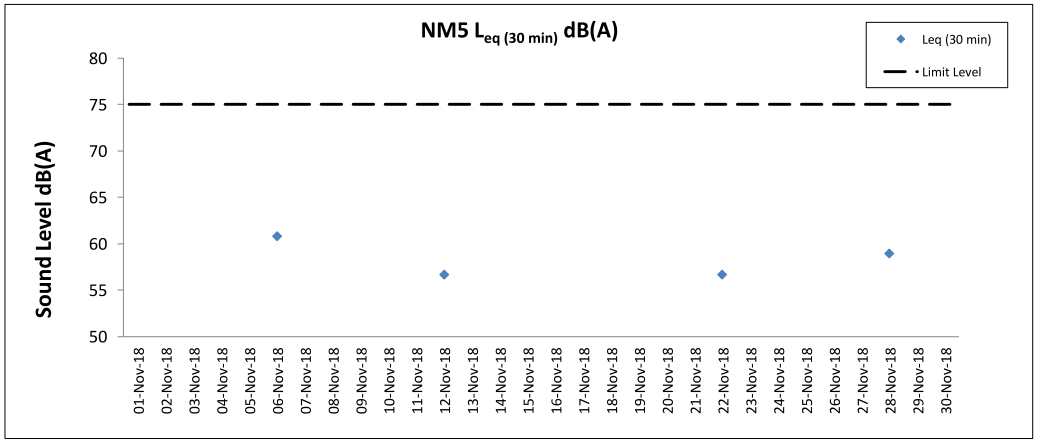
NM5 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
Leq (30 min)
Limit Level
80
75
70
65
60
55
50
01-Nov-18
02-Nov-18
03-Nov-18
04-Nov-18
05-Nov-18
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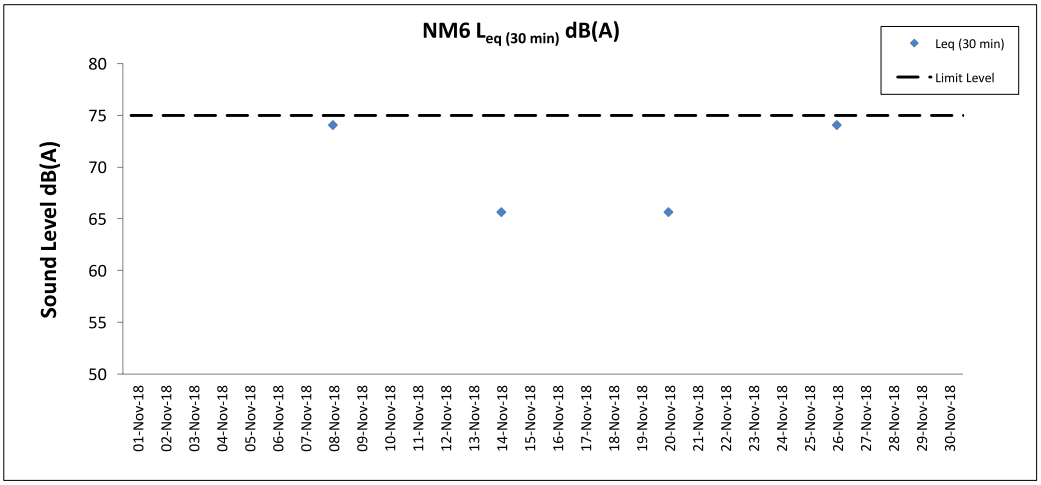
NM6 $L_{eq\ (30\ min)}$ dB(A)
Sound Level dB(A)
Leq (30 min)
Limit Level
80
75
70
65
60
55
50
01-Nov-18
02-Nov-18
03-Nov-18
04-Nov-18
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29-Nov-18
30-Nov-18

Water Quality Monitoring Results

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 November 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	05:56	8.0	Surface	1.0	0.4	175	24.3	24.3	8.2	8.2	30.8	30.8	94.6	94.6	6.7	6.7	4.5	5.5	8	9	83	88	815635	804257	<0.2	<0.2	0.7	0.8
						1.0	0.4	176	24.3		8.2		30.8		94.6		6.7		4.6		8		84				<0.2		0.8	
					Middle	4.0	0.4	188	24.3	24.3	8.2	8.2	30.8	30.8	94.2	94.2	6.6		4.9		8		88				<0.2		0.8	
						4.0	0.4	201	24.3		8.2		30.8		94.2		6.6		4.9		9		88				<0.2		1.0	
					Bottom	7.0	0.3	179	24.3	24.3	8.2	8.2	30.8	30.8	93.7	93.7	6.6	6.6	6.9		10		92				<0.2		0.8	
						7.0	0.3	185	24.3		8.2		30.8		93.7		6.6		7.2		11		92				<0.2		0.8	
C2	Cloudy	Rough	06:55	11.2	Surface	1.0	0.3	29	24.9	24.9	8.2	8.2	29.5	29.6	97.3	97.3	6.8	6.7	6.1	6.7	10	12	84	87	825674	806957	<0.2	<0.2	1.6	1.5
						1.0	0.3	31	24.9		8.2		29.6		97.3		6.8		6.1		10		85				<0.2		1.4	
					Middle	5.6	0.3	33	24.9	24.9	8.2	8.2	30.2	30.2	94.7	94.7	6.6		6.8		12		87				<0.2		1.5	
						5.6	0.3	34	24.9		8.2		30.2		94.6		6.6		6.8		13		88				<0.2		1.4	
					Bottom	10.2	0.3	26	25.0	25.0	8.2	8.2	30.4	30.4	94.8	94.9	6.6	6.6	7.0		12		90				<0.2		1.6	
						10.2	0.3	26	25.0		8.2		30.4		94.9		6.6		7.0		12		90				<0.2		1.5	
C3	Cloudy	Moderate	05:45	11.6	Surface	1.0	0.1	152	25.1	25.1	8.1	8.1	31.2	31.2	92.2	92.2	6.4	6.4	6.2	6.5	4	5	84	87	822120	817780	<0.2	<0.2	1.2	1.4
						1.0	0.1	155	25.1		8.1		31.2		92.1		6.4		6.1		6		83				<0.2		1.3	
					Middle	5.8	0.1	72	25.2	25.2	8.1	8.1	31.3	31.3	91.9	91.9	6.3		6.4		5		86				<0.2		1.5	
						5.8	0.1	77	25.2		8.1		31.3		91.9		6.3		6.4		4		87				<0.2		1.5	
					Bottom	10.6	0.1	76	25.1	25.2	8.1	8.1	31.4	31.4	91.5	91.5	6.3	6.3	7.0		4		89				<0.2		1.3	
						10.6	0.1	81	25.2		8.1		31.4		91.5		6.3		7.1		4		90				<0.2		1.5	
IM1	Fine	Moderate	06:17	5.4	Surface	1.0	0.2	3	24.5	24.5	8.2	8.2	30.9	30.9	94.4	94.3	6.6	6.6	4.3	4.6	7	7	88	90	817927	807144	<0.2	<0.2	0.8	0.8
						1.0	0.2	3	24.5		8.2		30.9		94.2		6.6		4.3		7		88				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	353	24.6	24.6	8.2	8.2	31.0	31.0	92.9	92.9	6.5	6.5	4.9		7		91				<0.2		0.7	
						4.4	0.2	356	24.6		8.2		31.0		92.9		6.5		5.0		6		92				<0.2		0.7	
IM2	Fine	Moderate	06:23	6.8	Surface	1.0	0.4	176	24.2	24.2	8.2	8.2	30.2	30.2	94.5	94.5	6.7	6.7	6.3	9.3	8	9	84	89	818155	806155	<0.2	<0.2	0.9	0.9
						1.0	0.5	176	24.2		8.2		30.3		94.4		6.7		6.4		7		85				<0.2		0.9	
					Middle	3.4	0.4	180	24.2	24.2	8.2	8.2	30.4	30.4	93.5	93.5	6.6		8.1		9		88				<0.2		1.0	
						3.4	0.5	186	24.2		8.2		30.4		93.5		6.6		7.9		9		89				<0.2		0.9	
					Bottom	5.8	0.3	0	24.2	24.2	8.2	8.2	30.4	30.4	92.9	92.9	6.6	6.6	13.4		9		92				<0.2		0.9	
						5.8	0.3	0	24.2		8.2		30.4		92.9		6.6		13.8		10		93				<0.2		0.8	
IM3	Fine	Moderate	06:31	7.0	Surface	1.0	0.4	240	24.3	24.3	8.2	8.2	29.9	29.9	94.9	94.9	6.7	6.7	4.3	4.6	7	9	85	90	818784	805585	<0.2	<0.2	1.1	1.1
						1.0	0.4	253	24.3		8.2		29.9		94.9		6.7		4.4		7		86				<0.2		1.2	
					Middle	3.5	0.4	249	24.3	24.3	8.2	8.2	29.9	29.9	94.6	94.6	6.7		4.8		8		89				<0.2		1.0	
						3.5	0.4	273	24.3		8.2		29.9		94.6		6.7		4.8		9		90				<0.2		1.1	
					Bottom	6.0	0.3	241	24.3	24.3	8.2	8.2	29.9	29.9	94.3	94.3	6.7	6.7	4.7		10		94				<0.2		1.0	
						6.0	0.3	242	24.3		8.2		29.9		94.3		6.7		4.7		10		95				<0.2		1.0	
IM4	Fine	Moderate	06:40	7.1	Surface	1.0	0.3	202	24.3	24.3	8.2	8.2	30.5	30.5	95.8	95.8	6.7	6.7	4.3	4.3	5	6	87	92	819702	804602	<0.2	<0.2	0.7	0.8
						1.0	0.4	209	24.3		8.2		30.5		95.8		6.7		4.3		5		87				<0.2		0.7	
					Middle	3.6	0.3	180	24.3	24.3	8.2	8.2	30.5	30.5	95.7	95.7	6.7		3.9		6		91				<0.2		0.8	
						3.6	0.3	196	24.3		8.2		30.5		95.7		6.7		3.9		7		91				<0.2		0.9	
					Bottom	6.1	0.3	172	24.3	24.3	8.2	8.2	30.6	30.6	95.4	95.4	6.7	6.7	4.7		8		96				<0.2		0.9	
						6.1	0.3	181	24.3		8.2		30.6		95.3		6.7		4.7		7		97				<0.2		0.9	
IM5	Fine	Rough	06:49	6.4	Surface	1.0	0.3	216	24.5	24.5	8.2	8.2	29.5	29.5	93.3	93.3	6.6	6.6	3.9	7.8	10	13	86	88	820729	804858	<0.2	<0.2	1.0	1.1
						1.0	0.4	222	24.5		8.2		29.5		93.3		6.6		4.0		11		86				<0.2		1.2	
					Middle	3.2	0.4	236	24.5	24.5	8.2	8.2	29.5	29.5	93.0	93.0	6.6		8.1		13		87				<0.2		1.0	
						3.2	0.4	258	24.5		8.2		29.5		93.0		6.6		8.0		13		87				<0.2		1.1	
					Bottom	5.4	0.6	229	24.5	24.5	8.2	8.2	29.5	29.5	92.7	92.7	6.5	6.5	11.4		14		91				<0.2		1.1	
						5.4	0.6	233	24.5		8.2		29.5		92.7		6.5		11.3		14		91				<0.2		1.1	
IM6	Fine	Rough	06:57	6.1	Surface	1.0	0.6	250	24.6	24.6	8.1	8.1	29.2	29.2	92.7	92.7	6.5	6.5	2.9	5.9	6	8	86	89	821058	805849	<0.2	<0.2	1.1	1.2
						1.0	0.6	265	24.6		8.1		29.2		92.7		6.5		3.1		6		85				<0.2		1.2	
					Middle	3.1	0.4	234	24.6	24.6	8.1	8.1	29.3	29.3	92.5	92.5	6.5		3.8		8		89				<0.2		1.3	
						3.1	0.4	245	24.6		8.1		29.3		92.5		6.5		4.0		8		89				<0.2		1.1	
					Bottom	5.1	0.3	244	24.6	24.6	8.1	8.1	29.3	29.3	92.2	92.2	6.5	6.5	10.6		10		92				<0.2		1.2	
						5.1	0.3	258	24.6		8.1		29.3		92.2		6.5		11.3		10		93				<0.2		1.1	
IM7	Fine	Rough	07:06	7.2	Surface	1.0	0.4	252	24.7	24.7	8.1	8.1	29.3	29.3	92.6	92.6	6.5	6.5	9.6	12.2	6	8	83	89	821334	806835	<0.2	<0.2	1.1	1.1
						1.0	0.4	265	24.7		8.1		29.3		92.6		6.5		9.6		6		85				<0.2		1.1	
					Middle	3.6	0.4	258	24.7	24.7	8.1	8.1	29.3	29.3	92.4	92.4	6.5		11.1		7		88				<0.2		1.2	
						3.6	0.5	261	24.7		8.1		29.3		92.4		6.5		10.9		8		89				<0.2		1.1	
					Bottom	6.2	0.5	260	24.7	24.7	8.1	8.1	29.3	29.3	92.3	92.3	6.5	6.5	16.0		9		93				<0.2		1.1	
						6.2	0.5	284	24.7		8.1		29.3		92.3		6.5		16.2		10		93				<0.2		1.1	
IM8	Cloudy	Moderate	06:25	7.7	Surface	1.0	0.6	204	24.7	24.7	8.2	8.2	30.0	30.0	100.7	100.7	7.1	7.1	6.0	6.3	5	5	85	88	821840	808160	<0.2	<0.2	1.4	1.3
						1.0	0.6	208	24.7		8.2		30.0		100.7		7.1		6.0		5		85				<0.2		1.4	
					Middle	3.9	0.4	227	24.7	24.7	8.2	8.2	30.2	30.2	100.2	100.2	7.0		6.3		5		88				<0.2		1.2	
						3.9	0.5	227	24.7		8.2		30.2		100.1		7.0		6.4		5		87				<0.2		1.2	
					Bottom	6.7	0.4	250	24.7	24.7	8.2	8.2	30.3	30.3	98.6	98.5	6.9	6.9	6.6		6		91				<0.2		1.2	
						6.7	0.4	255	24.7		8.2		30.3		98.4		6.9		6.7		5		90				<0.2		1.4	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: The flood tide monitoring session on 1 November 2018 was cancelled due to Strong Wind Signal No. 3.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 01 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Cloudy	Moderate	06:19	7.2	Surface	1.0	0.7	221	24.7	24.7	8.2	8.2	30.4	30.4	100.7	100.7	7.0	7.0	6.4	6.8	5	5	84	87	822082	808804	<0.2	<0.2	1.2	1.2
						1.0	0.7	226	24.7		8.2		30.4		100.7		7.0		6.4		4		85				<0.2		1.1	
					Middle	3.6	0.6	218	24.7	24.7	8.2	8.2	30.4	30.4	100.7	100.7	7.0		6.4		5		87				<0.2		1.3	
						3.6	0.6	220	24.7		8.2		30.4		100.7		7.0		6.4		5		85				<0.2		1.2	
					Bottom	6.2	0.5	227	24.6	24.6	8.2	8.2	30.4	30.4	101.1	101.1	7.1	7.1	7.5		5		89				<0.2		1.3	
						6.2	0.6	233	24.6		8.2		30.4		101.1		7.1		7.5		5		91				<0.2		1.2	
IM10	Cloudy	Moderate	06:09	7.0	Surface	1.0	0.3	214	24.8	24.8	8.2	8.2	30.3	30.3	100.5	100.5	7.0	7.0	6.1	6.3	4	5	87	88	822366	809806	<0.2	<0.2	1.2	1.3
						1.0	0.3	234	24.8		8.2		30.3		100.5		7.0		6.1		4		85				<0.2		1.2	
					Middle	3.5	0.3	223	24.6	24.6	8.2	8.2	30.4	30.4	100.2	100.2	7.0		6.3		6		89				<0.2		1.5	
						3.5	0.4	224	24.6		8.2		30.4		100.2		7.0		6.3		6		88				<0.2		1.1	
					Bottom	6.0	0.3	233	24.6	24.6	8.2	8.2	30.5	30.5	100.1	100.1	7.0	7.0	6.4		6		89				<0.2		1.2	
						6.0	0.3	242	24.6		8.2		30.5		100.1		7.0		6.4		6		89				<0.2		1.7	
IM11	Cloudy	Moderate	05:05	7.6	Surface	1.0	0.2	193	24.5	24.5	8.2	8.2	30.3	30.3	101.9	101.9	7.2	7.2	10.3	9.4	6	5	84	87	822044	811439	<0.2	<0.2	1.1	1.2
						1.0	0.2	201	24.5		8.2		30.3		101.8		7.2		10.3		7		85				<0.2		1.2	
					Middle	3.8	0.2	206	24.5	24.5	8.2	8.2	30.2	30.2	101.1	101.1	7.1		9.4		5		87				<0.2		1.2	
						3.8	0.2	224	24.5		8.2		30.2		101.1		7.1		9.4		5		86				<0.2		1.2	
					Bottom	6.6	0.1	207	24.5	24.5	8.2	8.2	30.3	30.3	101.5	101.5	7.1	7.1	8.5		5		89				<0.2		1.2	
						6.6	0.1	225	24.5		8.2		30.3		101.5		7.1		8.3		4		89				<0.2		1.1	
IM12	Cloudy	Moderate	05:48	7.8	Surface	1.0	0.1	135	24.5	24.5	8.2	8.2	30.3	30.3	101.3	101.3	7.1	7.1	6.2	9.2	3	4	84	87	821462	812041	<0.2	<0.2	1.3	1.3
						1.0	0.1	135	24.5		8.2		30.3		101.2		7.1		6.2		4		84				<0.2		1.2	
					Middle	3.9	0.1	100	24.5	24.5	8.2	8.2	30.3	30.3	100.4	100.4	7.1		9.9		3		87				<0.2		1.4	
						3.9	0.1	107	24.5		8.2		30.3		100.3		7.1		10.2		4		86				<0.2		1.3	
					Bottom	6.8	0.1	151	24.4	24.4	8.2	8.2	30.2	30.2	100.6	100.7	7.1	7.1	11.4		4		89				<0.2		1.1	
						6.8	0.1	160	24.4		8.2		30.3		100.8		7.1		11.2		3		91				<0.2		1.2	
SR1A	Cloudy	Moderate	05:27	6.8	Surface	1.0	-	-	24.6	24.6	8.2	8.2	30.2	30.2	96.6	96.6	6.8	6.8	6.1	6.8	4	3	-	-	820075	812584	-	-	-	-
						1.0	-	-	24.6		8.2		30.2		96.5		6.8		6.2		4		-				-		-	
					Middle	3.4	-	-	24.6	24.7	8.2	8.2	30.3	30.3	95.3	95.2	-		6.6		3		-				-		-	
						3.4	-	-	24.7		8.2		30.3		95.1		-		6.6		3		-				-		-	
					Bottom	5.8	-	-	24.9	24.9	8.2	8.2	30.5	30.5	94.0	94.0	6.6	6.6	7.4		2		-				-		-	
						5.8	-	-	24.9		8.2		30.5		94.0		6.5		7.5		3		-				-		-	
SR2	Cloudy	Moderate	05:15	4.3	Surface	1.0	0.1	290	24.9	24.9	8.2	8.2	30.7	30.7	93.9	93.9	6.5	6.5	6.4	6.7	5	5	85	88	821475	814184	<0.2	<0.2	1.3	1.2
						1.0	0.1	294	24.9		8.2		30.7		93.9		6.5		6.4		5		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	288	24.9	24.9	8.2	8.1	30.7	30.7	94.7	94.8	6.6	6.6	7.1		4		89				<0.2		1.2	
						3.3	0.1	306	24.9		8.1		30.7		94.8		6.6		7.1		5		90				<0.2		1.0	
SR3	Cloudy	Rough	06:31	8.2	Surface	1.0	0.4	184	24.7	24.7	8.2	8.2	29.7	29.7	99.3	99.3	7.0	7.0	6.2	6.4	3	3	-	-	822145	807564	-	-	-	-
						1.0	0.4	197	24.7		8.2		29.7		99.3		7.0		6.3		3		-				-		-	
					Middle	4.1	0.3	177	24.7	24.7	8.2	8.2	30.0	30.0	99.5	99.5	7.0		6.4		3		-				-		-	
						4.1	0.3	182	24.7		8.2		30.0		99.5		7.0		6.5		3		-				-		-	
					Bottom	7.2	0.1	218	24.7	24.7	8.2	8.2	30.1	30.1	99.5	99.6	7.0	7.0	6.6		2		-				-		-	
						7.2	0.1	223	24.7		8.2		30.0		99.6		7.0		6.5		3		-				-		-	
SR4A	Fine	Moderate	05:39	9.6	Surface	1.0	0.5	241	24.0	24.1	8.2	8.2	29.7	29.7	90.2	90.3	6.4	6.4	2.3	6.6	5	4	-	-	817173	807800	-	-	-	-
						1.0	0.6	263	24.1		8.2		29.7		90.3		6.4		2.2		5		-				-		-	
					Middle	4.8	0.5	235	24.2	24.2	8.2	8.2	30.3	30.3	89.9	89.9	-		4.5		3		-				-		-	
						4.8	0.5	242	24.2		8.2		30.3		89.8		-		4.5		3		-				-		-	
					Bottom	8.6	0.3	245	24.7	24.7	8.2	8.2	31.0	31.0	89.1	89.2	6.2	6.2	13.0		4		-				-		-	
						8.6	0.4	249	24.7		8.2		31.0		89.2		6.2		13.0		4		-				-		-	
SR5A	Fine	Moderate	05:25	4.7	Surface	1.0	0.2	277	24.1	24.1	8.2	8.2	29.3	29.3	93.5	93.5	6.6	6.6	1.7	1.7	4	5	-	-	816586	810703	-	-	-	-
						1.0	0.2	288	24.1		8.2		29.3		93.5		6.6		1.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	286	24.1	24.1	8.2	8.2	29.3	29.3	93.4	93.5	6.6	6.6	1.7		6		-				-		-	
						3.7	0.2	293	24.1		8.2		29.3		93.5		6.6		1.7		6		-				-		-	
SR6	Fine	Moderate	05:00	4.5	Surface	1.0	0.1	291	24.5	24.5	8.1	8.1	28.7	28.7	88.8	88.9	6.3	6.3	3.3	5.2	5	4	-	-	817875	814675	-	-	-	-
						1.0	0.1	298	24.5		8.1		28.7		89.0		6.3		3.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	294	24.5	24.5	8.1	8.1	28.9	28.9	89.2	89.1	6.3	6.3	7.0		4		-				-		-	
						3.5	0.1	317	24.5		8.1		28.9		89.0		6.3		7.2		4		-				-		-	
SR7	Cloudy	Moderate	05:03	16.8	Surface	1.0	0.4	120	25.2	25.2	8.0	8.0	31.8	31.8	93.8	93.8	6.4	6.4	5.8	5.8	3	3	-	-	823637	823736	-	-	-	-
						1.0	0.4	131	25.2		8.0		31.8		93.8		6.4		5.8		2		-				-		-	
					Middle	8.4	0.4	144	25.2	25.2	7.9	7.9	31.9	31.9	93.7	93.7	-		5.8		3		-				-		-	
						8.4	0.4	150	25.2		7.9		31.9		93.7		-		5.8		3		-				-		-	
					Bottom	15.8	0.2	164	25.2	25.2	7.9	7.9	31.9	31.9	93.7	93.7	6.4	6.4	5.7		4		-				-		-	
						15.8	0.2	171	25.2		7.9		31.9		93.7		6.4		5.8		3		-				-		-	
SR8	Cloudy	Moderate	05:37	5.3	Surface	1.0	-	-	24.4	24.4	8.3	8.3	30.5	30.5	101.3	101.3	7.1	7.1	7.0	8.7	2	3	-	-	820495	811670	-	-	-	-
						1.0	-	-	24.4		8.3		30.5		101.2		7.1		7.0		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	24.3	24.3	8.3	8.3	30.6	30.6	100.9	101.0	7.1	7.1	10.4		3		-				-		-	
						4.3	-	-	24.3		8.3		30.6		101.0		7.1		10.4		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**
Note: SR8 cannot be accessed due to windy weather. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.
Note: The flood tide monitoring session on 1 November 2018 was cancelled due to Strong Wind Signal No. 3.

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 November 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	08:57	9.0	Surface	1.0	0.6	201	24.2	24.2	8.3	8.3	31.5	31.5	100.7	100.6	7.1	7.1	12.0	16.3	3	3	85	90	815609	804263	<0.2	<0.2	1.0	0.9
						1.0	0.7	207	24.2		8.3		31.5		100.5		7.0		11.9		3		86				<0.2		0.8	
					Middle	4.5	0.5	208	24.2	24.2	8.3	8.3	31.5	31.5	100.9	101.0	7.1		17.5		2		90				<0.2		0.8	
						4.5	0.5	211	24.2		8.3		31.5		101.0		7.1		17.6		3		91				<0.2		0.8	
					Bottom	8.0	0.4	184	24.2	24.2	8.3	8.3	31.5	31.5	103.0	103.4	7.2	7.3	19.2		<2		94				<0.2		0.9	
						8.0	0.4	200	24.2		8.3		31.5		103.8		7.3		19.3		<2		95				<0.2		0.9	
C2	Fine	Moderate	10:14	11.4	Surface	1.0	1.0	187	24.1	24.1	8.4	8.4	32.0	32.0	106.8	106.6	7.5	7.5	4.2	6.0	5	4	85	90	825692	806931	<0.2	<0.2	0.8	0.9
						1.0	1.1	190	24.1		8.4		32.0		106.4		7.5		4.5		6		87				<0.2		0.9	
					Middle	5.7	0.8	180	24.1	24.1	8.4	8.4	32.0	32.0	105.9	105.7	7.4		5.7		4		90				<0.2		0.9	
						5.7	0.8	192	24.0		8.4		32.0		105.5		7.4		5.8		4		91				<0.2		0.9	
					Bottom	10.4	0.4	188	24.0	24.0	8.4	8.3	32.1	32.1	105.4	105.6	7.4	7.4	7.6		3		93				<0.2		0.8	
						10.4	0.4	192	24.0		8.3		32.1		105.8		7.4		7.9		3		95				<0.2		0.8	
C3	Fine	Moderate	08:24	11.4	Surface	1.0	0.3	110	23.6	23.7	8.3	8.3	30.9	31.0	97.3	97.2	6.9	6.9	3.9	5.3	5	7	85	89	822086	817811	<0.2	<0.2	0.7	0.8
						1.0	0.3	119	23.8		8.3		31.1		97.0		6.9		3.8		5		86				<0.2		0.9	
					Middle	5.7	0.2	105	23.8	23.8	8.3	8.3	31.2	31.2	97.0	97.0	6.9		5.2		6		89				<0.2		0.8	
						5.7	0.2	105	23.8		8.3		31.1		96.9		6.9		5.3		6		90				<0.2		0.7	
					Bottom	10.4	0.2	52	24.0	24.0	8.3	8.3	32.2	32.2	97.4	97.4	6.8	6.8	6.9		10		93				<0.2		1.0	
						10.4	0.3	55	24.0		8.3		32.2		97.4		6.8		6.8		9		93				<0.2		0.7	
IM1	Fine	Moderate	09:19	4.8	Surface	1.0	0.1	106	24.0	24.0	8.3	8.3	31.3	31.3	101.9	102.0	7.2	7.2	9.1	10.3	5	5	84	90	817960	807116	<0.2	<0.2	0.7	0.8
						1.0	0.1	113	24.0		8.3		31.3		102.1		7.2		9.2		5		85				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	215	24.0	24.0	8.3	8.3	31.3	31.3	103.4	103.8	7.3	7.3	11.4		6		94				<0.2		0.8	
						3.8	0.1	233	24.0		8.3		31.3		104.2		7.3		11.6		5		95				<0.2		0.8	
IM2	Fine	Moderate	09:27	7.1	Surface	1.0	0.4	188	24.0	24.0	8.3	8.3	31.2	31.2	102.2	102.2	7.2	7.2	3.1	4.6	10	11	84	89	818180	806188	<0.2	<0.2	0.8	0.8
						1.0	0.4	197	24.0		8.3		31.3		102.2		7.2		3.4		10		85				<0.2		0.7	
					Middle	3.6	0.4	178	24.0	24.0	8.3	8.3	31.3	31.3	102.1	102.0	7.2		4.3		10		89				<0.2		0.7	
						3.6	0.4	183	24.0		8.3		31.3		101.9		7.2		4.5		10		89				<0.2		0.9	
					Bottom	6.1	0.4	178	24.0	24.0	8.3	8.3	31.2	31.2	102.3	102.6	7.2	7.2	6.1		11		93				<0.2		0.8	
						6.1	0.4	190	24.0		8.3		31.2		102.8		7.2		6.3		13		94				<0.2		0.8	
IM3	Fine	Moderate	09:34	7.2	Surface	1.0	0.2	201	23.9	23.9	8.3	8.3	31.0	31.0	103.9	103.9	7.3	7.4	7.1	7.8	11	10	86	89	818765	805576	<0.2	<0.2	0.8	0.8
						1.0	0.2	206	23.9		8.3		31.0		103.8		7.3		7.2		10		86				<0.2		0.8	
					Middle	3.6	0.2	222	23.9	23.9	8.3	8.3	31.1	31.1	104.2	104.2	7.4		7.5		10		89				<0.2		0.7	
						3.6	0.2	241	24.0		8.3		31.1		104.2		7.4		7.9		10		86				<0.2		0.8	
					Bottom	6.2	0.2	236	23.9	23.9	8.3	8.3	31.1	31.1	105.1	105.1	7.4	7.4	8.5		8		93				<0.2		0.7	
						6.2	0.2	256	23.9		8.3		31.1		105.1		7.4		8.5		8		93				<0.2		0.8	
IM4	Fine	Moderate	09:43	7.5	Surface	1.0	0.7	201	24.0	24.0	8.4	8.4	31.1	31.1	105.8	105.8	7.5	7.5	3.6	5.6	9	12	87	91	819734	804597	<0.2	<0.2	0.8	0.7
						1.0	0.8	201	24.0		8.4		31.1		105.7		7.5		3.8		10		88				<0.2		0.7	
					Middle	3.8	0.6	197	24.0	24.0	8.4	8.4	31.1	31.1	105.2	105.4	7.4		4.7		11		90				<0.2		0.7	
						3.8	0.7	210	24.0		8.4		31.1		105.6		7.4		5.0		10		90				<0.2		0.6	
					Bottom	6.5	0.6	196	24.0	24.0	8.4	8.4	31.1	31.1	105.9	105.9	7.5	7.5	8.2		17		95				<0.2		0.6	
						6.5	0.6	214	24.0		8.4		31.1		105.9		7.5		8.1		17		95				<0.2		0.6	
IM5	Fine	Moderate	09:53	6.5	Surface	1.0	0.7	197	24.0	24.0	8.3	8.3	31.0	31.0	107.0	107.0	7.5	7.5	8.2	9.0	3	4	84	89	820714	804884	<0.2	<0.2	0.6	0.6
						1.0	0.8	197	24.0		8.3		31.0		107.0		7.5		8.1		2		85				<0.2		0.7	
					Middle	3.3	0.7	196	24.0	24.0	8.3	8.3	31.0	31.0	106.8	106.9	7.5		8.4		3		88				<0.2		0.6	
						3.3	0.7	204	24.0		8.3		31.0		106.9		7.5		8.6		3		90				<0.2		0.6	
					Bottom	5.5	0.6	197	24.0	24.0	8.3	8.4	31.0	31.0	106.8	106.8	7.5	7.5	10.1		5		94				<0.2		0.6	
						5.5	0.6	210	24.0		8.4		31.0		106.8		7.5		10.5		5		95				<0.2		0.6	
IM6	Fine	Moderate	10:01	6.2	Surface	1.0	0.7	198	24.0	24.0	8.3	8.3	30.9	30.9	105.8	105.8	7.5	7.5	7.3	10.4	5	6	85	89	821043	805816	<0.2	<0.2	0.6	0.6
						1.0	0.7	204	24.0		8.3		31.0		105.8		7.5		7.9		4		85				<0.2		0.6	
					Middle	3.1	0.7	201	24.0	24.0	8.3	8.3	31.1	31.1	105.8	106.0	7.5		9.7		6		89				<0.2		0.7	
						3.1	0.7	205	24.0		8.3		31.1		106.2		7.5		9.9		6		91				<0.2		0.6	
					Bottom	5.2	0.6	199	24.0	24.0	8.3	8.3	31.1	31.1	106.1	106.4	7.5	7.5	13.5		8		93				<0.2		0.6	
						5.2	0.6	204	24.0		8.4		31.1		106.6		7.5		13.8		8		93				<0.2		0.6	
IM7	Fine	Moderate	10:11	7.7	Surface	1.0	0.6	231	24.1	24.1	8.4	8.4	30.7	30.7	107.4	107.3	7.6	7.6	6.3	7.9	6	8	86	90	821357	806839	<0.2	<0.2	0.6	0.7
						1.0	0.6	238	24.1		8.4		30.7		107.1		7.6		6.0		7		86				<0.2		0.6	
					Middle	3.9	0.5	232	24.1	24.1	8.4	8.3	30.7	30.7	106.2	106.3	7.5		6.7		7		89				<0.2		0.6	
						3.9	0.5	248	24.1		8.3		30.8		106.4		7.5		6.9		7		89				<0.2		0.7	
					Bottom	6.7	0.4	231	24.0	24.0	8.3	8.3	30.8	30.8	105.9	106.0	7.5	7.5	10.4		10		94				<0.2		0.7	
						6.7	0.4	231	24.0		8.3		30.8		106.1		7.5		10.9		10		95				<0.2		0.8	
IM8	Fine	Moderate	09:56	7.7	Surface	1.0	0.6	177	24.0	24.0	8.4	8.4	32.3	32.3	106.6	106.6	7.5	7.5	2.4	3.6	3	3	86	90	821817	808129	<0.2	<0.2	0.6	0.7
						1.0	0.7	184	24.0		8.4		32.3		106.5		7.5		2.7		2		88				<0.2		0.7	
					Middle	3.9	0.4	170	24.0	24.0	8.4	8.4	32.3	32.3	106.2	106.3	7.4		3.6		4		90				<0.2		0.6	
						3.9	0.4	177	24.0		8.4		32.3		106.4		7.5		3.9		4		91				<0.2		0.6	
					Bottom	6.7	0.3	208	24.0	24.0	8.4	8.4	32.3	32.3	106.4	106.4	7.5	7.5	4.6		4		92				<0.2		0.7	
						6.7	0.3	219	24.0		8.4		32.3		106.4		7.5		4.4		3		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 03 November 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	6.9	Surface	1.0	0.4	152	24.0	24.0	8.4	8.4	32.3	32.3	105.0	105.0	7.3	7.3	10.0	14.9	4	4	85	90	822091	808796	<0.2	<0.2	0.8	0.7
						1.0	0.5	153	24.0		8.4		32.3		105.0		7.4		10.6		4		87				<0.2		0.6	
					Middle	3.5	0.3	137	24.0	24.0	8.4	8.4	32.3	32.3	104.7	104.7	7.3		16.0		4		89				<0.2		0.5	
						3.5	0.3	141	24.0		8.4		32.3		104.7		7.3		16.4		4		91				<0.2		0.7	
					Bottom	5.9	0.1	109	24.0	24.0	8.4	8.4	32.3	32.3	104.7	105.0	7.3	7.4	17.5		3		94				<0.2		0.8	
						5.9	0.1	118	24.0		8.4		32.3		105.2		7.4		18.9		3		94				<0.2		0.7	
IM10	Fine	Moderate	09:37	7.2	Surface	1.0	0.6	141	23.9	23.9	8.4	8.4	32.3	32.3	103.4	103.4	7.2	7.3	7.1	8.7	4	5	85	90	822400	809811	<0.2	<0.2	0.7	0.7
						1.0	0.6	148	23.9		8.4		32.3		103.4		7.2		7.2		5		87				<0.2		0.7	
					Middle	3.6	0.6	148	23.9	23.9	8.4	8.4	32.3	32.3	103.5	103.6	7.3		8.3		4		89				<0.2		0.7	
						3.6	0.6	153	23.9		8.4		32.3		103.6		7.3		8.1		4		91				<0.2		0.7	
					Bottom	6.2	0.4	124	23.9	23.9	8.4	8.4	32.4	32.4	104.3	104.3	7.3	7.3	10.7		5		93				<0.2		0.8	
						6.2	0.5	136	23.9		8.4		32.4		104.3		7.3		10.6		5		94				<0.2		0.8	
IM11	Fine	Moderate	09:30	7.9	Surface	1.0	0.6	111	24.0	24.0	8.4	8.4	32.5	32.5	101.8	101.8	7.1	7.1	6.5	9.8	5	4	85	90	822051	811436	<0.2	<0.2	0.7	0.7
						1.0	0.7	113	24.0		8.4		32.5		101.8		7.1		6.7		4		86				<0.2		0.7	
					Middle	4.0	0.5	109	24.0	24.0	8.4	8.4	32.5	32.5	101.7	101.7	7.1		10.5		4		89				<0.2		0.7	
						4.0	0.6	114	24.0		8.4		32.5		101.6		7.1		10.1		3		90				<0.2		0.8	
					Bottom	6.9	0.4	102	24.0	24.0	8.4	8.4	32.5	32.5	101.7	102.1	7.1	7.2	12.4		3		94				<0.2		0.6	
						6.9	0.4	108	24.0		8.4		32.5		102.4		7.2		12.6		3		95				<0.2		0.7	
IM12	Fine	Moderate	09:23	8.2	Surface	1.0	0.5	117	24.0	24.0	8.4	8.4	32.6	32.6	100.9	101.0	7.1	7.1	2.9	5.5	3	5	84	89	821435	812062	<0.2	<0.2	0.7	0.7
						1.0	0.5	118	24.0		8.4		32.6		101.0		7.1		3.2		4		85				<0.2		0.6	
					Middle	4.1	0.4	100	24.0	24.0	8.4	8.4	32.6	32.6	100.8	100.8	-		6.2		5		89				<0.2		0.6	
						4.1	0.5	105	24.0		8.4		32.6		100.8		-		6.1		5		90				<0.2		0.7	
					Bottom	7.2	0.3	98	24.0	24.0	8.4	8.4	32.6	32.6	101.1	101.3	7.1	7.1	7.3		5		93				<0.2		0.6	
						7.2	0.4	100	24.0		8.4		32.6		101.4		7.1		7.1		5		95				<0.2		0.7	
SR1A	Fine	Moderate	09:01	7.1	Surface	1.0	-	-	24.2	24.2	8.4	8.4	32.7	32.7	100.2	100.2	7.0	7.0	3.7	6.0	4	6	-	-	820074	812586	-	-	-	-
						1.0	-	-	24.2		8.4		32.7		100.1		7.0		3.8		4		-				-		-	
					Middle	3.6	-	-	24.2	24.2	8.4	8.4	32.8	32.8	100.1	100.2	7.0		6.8		6		-				-		-	
						3.6	-	-	24.2		8.4		32.8		100.2		7.0		6.6		6		-				-		-	
					Bottom	6.1	-	-	24.2	24.2	8.4	8.4	32.8	32.8	101.1	101.4	7.0	7.1	7.5		7		-				-		-	
						6.1	-	-	24.2		8.4		32.8		101.6		7.1		7.8		6		-				-		-	
SR2	Fine	Moderate	08:41	4.5	Surface	1.0	0.6	102	23.9	23.9	8.4	8.4	32.5	32.5	99.1	99.1	6.9	6.9	2.7	3.3	6	6	84	89	821461	814181	<0.2	<0.2	0.7	0.8
						1.0	0.6	110	23.9		8.4		32.5		99.1		6.9		2.6		6		85				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	105	23.9	23.9	8.4	8.4	32.7	32.7	99.0	99.0	6.9	6.9	3.8		5		93				<0.2		0.7	
						3.5	0.3	107	23.9		8.4		32.7		99.0		6.9		4.0		5		94				<0.2		0.8	
SR3	Fine	Moderate	10:04	8.5	Surface	1.0	0.7	188	23.9	23.9	8.3	8.3	32.2	32.2	105.7	105.6	7.4	7.4	3.2	6.0	2	3	-	-	822123	807572	-	-	-	-
						1.0	0.8	199	23.9		8.3		32.2		105.5		7.4		3.1		2		-				-		-	
					Middle	4.3	0.4	195	24.0	24.0	8.3	8.3	32.3	32.3	105.3	105.4	-		6.2		<2		-				-		-	
						4.3	0.4	213	24.0		8.3		32.3		105.4		-		6.3		2		-				-		-	
					Bottom	7.5	0.3	220	24.0	24.0	8.3	8.3	32.3	32.3	105.4	105.7	7.4	7.4	8.5		3		-				-		-	
						7.5	0.3	241	24.0		8.3		32.3		106.0		7.4		8.7		4		-				-		-	
SR4A	Fine	Moderate	08:38	8.7	Surface	1.0	0.1	53	23.9	23.9	8.3	8.3	31.1	31.2	99.5	99.6	7.0	7.0	6.8	7.9	5	4	-	-	817199	807820	-	-	-	-
						1.0	0.1	55	23.9		8.3		31.2		99.7		7.0		7.2		5		-				-		-	
					Middle	4.4	0.1	50	23.9	23.9	8.3	8.3	31.4	31.4	99.5	99.6	-		7.4		4		-				-		-	
						4.4	0.1	53	23.9		8.3		31.4		99.6		-		7.6		4		-				-		-	
					Bottom	7.7	0.1	41	23.9	23.9	8.2	8.2	31.4	31.4	99.7	99.8	7.0	7.0	9.2		2		-				-		-	
						7.7	0.1	41	23.9		8.2		31.4		99.9		7.0		9.3		2		-				-		-	
SR5A	Fine	Moderate	08:20	4.2	Surface	1.0	0.1	37	23.7	23.7	8.2	8.2	29.8	29.8	98.0	98.0	7.0	7.0	5.5	5.9	6	5	-	-	816584	810711	-	-	-	-
						1.0	0.1	37	23.7		8.2		29.8		98.0		7.0		5.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	135	24.0	24.0	8.2	8.2	31.0	31.0	99.7	99.7	7.0	7.0	6.2		4		-				-		-	
						3.2	0.1	140	24.0		8.2		31.0		99.7		7.0		6.2		4		-				-		-	
SR6	Fine	Moderate	07:41	4.8	Surface	1.0	0.1	83	24.3	24.3	8.2	8.2	29.8	29.8	107.4	107.5	7.6	7.6	5.5	5.7	3	4	-	-	817885	814644	-	-	-	-
						1.0	0.1	86	24.3		8.2		29.8		107.5		7.6		5.6		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	81	24.4	24.3	8.2	8.2	30.0	30.0	107.5	107.3	7.6	7.6	6.0		4		-				-		-	
						3.8	0.1	81	24.2		8.2		29.9		107.1		7.6		5.7		4		-				-		-	
SR7	Fine	Moderate	07:45	16.3	Surface	1.0	0.7	82	24.2	24.2	8.3	8.3	30.8	30.8	107.0	107.0	7.5	7.5	4.3	6.4	3	3	-	-	823614	823757	-	-	-	-
						1.0	0.8	88	24.2		8.3		30.8		107.0		7.5		4.4		3		-				-		-	
					Middle	8.2	0.3	90	24.2	24.2	8.3	8.3	30.9	30.9	106.8	106.8	7.5		6.5		3		-				-		-	
						8.2	0.4	92	24.2		8.3		30.9		106.8		7.5		6.7		3		-				-		-	
					Bottom	15.3	0.2	22	24.3	24.3	8.2	8.1	31.0	31.0	107.2	107.1	7.5	7.5	8.4		2		-				-		-	
						15.3	0.2	22	24.2		8.1		30.9		106.9		7.5		8.3		3		-				-		-	
SR8	Fine	Moderate	09:01	4.2	Surface	1.0	-	-	24.2	24.2	8.4	8.4	32.7	32.7	100.4	100.4	7.0	7.0	4.7	5.5	3	4	-	-	820246	811418	-	-	-	-
						1.0	-	-	24.2		8.4		32.7		100.3		7.0		4.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	24.2	24.2	8.4	8.4	32.7	32.7	100.2	100.2	7.0	7.0	6.1		4		-				-		-	
						3.2	-	-	24.2		8.4		32.7		100.2		7.0		6.2		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 03 November 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	15:46	7.8	Surface	1.0	0.5	93	24.0	24.0	8.3	8.3	31.3	31.3	104.5	104.4	7.4	7.3	11.0	13.8	10	10	84	90	815601	804234	<0.2	<0.2	0.6	0.7
						1.0	0.5	98	24.0		8.3		31.3		104.3		7.3		11.8		9		87				<0.2		0.7	
					Middle	3.9	0.4	86	24.0	24.0	8.2	8.2	31.3	31.4	104.2	104.2	7.3		14.2		10		89				<0.2		0.6	
						3.9	0.4	96	24.0		8.2		31.4		104.1		7.3		14.6		10		90				<0.2		0.6	
					Bottom	6.8	0.3	105	24.0	24.0	8.3	8.3	31.4	31.4	105.1	105.1	7.4	7.4	15.7		11		94				<0.2		0.7	
						6.8	0.3	118	24.0		8.3		31.4		105.1		7.4		15.3		11		94				<0.2		0.7	
C2	Fine	Moderate	14:46	11.7	Surface	1.0	0.8	76	24.1	24.1	8.4	8.4	31.9	31.9	106.8	106.8	7.5	7.4	6.7	7.6	4	5	85	90	825699	806934	<0.2	<0.2	0.8	0.7
						1.0	0.8	79	24.1		8.4		31.9		106.8		7.5		6.8		4		86				<0.2		0.7	
					Middle	5.9	0.3	90	24.0	24.0	8.4	8.4	32.0	32.0	104.7	104.7	7.3		7.3		4		90				<0.2		0.7	
						5.9	0.3	102	24.0		8.4		32.1		104.7		7.3		7.4		4		91				<0.2		0.8	
					Bottom	10.7	0.1	120	24.0	24.0	8.4	8.4	32.2	32.2	104.6	104.8	7.3	7.3	8.4		7		92				<0.2		0.7	
						10.7	0.1	134	24.0		8.4		32.2		104.9		7.3		8.7		8		93				<0.2		0.7	
C3	Fine	Moderate	16:44	9.8	Surface	1.0	0.5	254	24.1	24.1	8.4	8.4	31.4	31.4	103.3	103.3	7.3	7.3	3.3	4.6	5	5	85	90	822110	817805	<0.2	<0.2	0.6	0.7
						1.0	0.5	268	24.1		8.4		31.4		103.3		7.3		3.5		5		87				<0.2		0.7	
					Middle	4.9	0.5	250	24.1	24.1	8.4	8.4	31.4	31.4	103.3	103.4	7.3		3.9		4		89				<0.2		0.7	
						4.9	0.5	270	24.1		8.4		31.4		103.4		7.3		4.1		5		91				<0.2		0.7	
					Bottom	8.8	0.4	256	24.1	24.1	8.4	8.4	31.5	31.5	104.6	104.7	7.4	7.4	6.4		4		93				<0.2		0.7	
						8.8	0.4	281	24.1		8.4		31.5		104.7		7.4		6.6		4		94				<0.2		0.7	
IM1	Fine	Moderate	15:28	4.3	Surface	1.0	0.1	2	24.0	24.0	8.3	8.3	31.3	31.3	103.0	103.1	7.3	7.3	6.2	7.4	8	8	86	90	817940	807142	<0.2	<0.2	0.8	0.7
						1.0	0.1	2	24.0		8.3		31.3		103.1		7.3		6.7		7		86				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	349	24.0	24.0	8.3	8.3	31.3	31.3	102.2	101.9	7.2	7.2	8.2		9		94				<0.2		0.6	
						3.3	0.1	321	24.0		8.3		31.3		101.5		7.1		8.5		9		94				<0.2		0.7	
IM2	Fine	Moderate	15:21	6.5	Surface	1.0	0.5	75	24.0	24.0	8.3	8.3	31.2	31.2	104.2	104.2	7.3	7.3	6.2	8.6	8	11	86	90	818162	806143	<0.2	<0.2	0.7	0.7
						1.0	0.5	80	24.0		8.3		31.2		104.2		7.3		6.3		9		86				<0.2		0.7	
					Middle	3.3	0.3	70	24.0	24.0	8.3	8.3	31.2	31.2	104.0	103.9	7.3		8.6		10		90				<0.2		0.7	
						3.3	0.4	82	24.0		8.3		31.2		103.8		7.3		9.0		10		90				<0.2		0.8	
					Bottom	5.5	0.4	76	24.0	24.0	8.3	8.3	31.2	31.2	104.6	104.6	7.4	7.4	10.4		12		95				<0.2		0.6	
						5.5	0.4	91	24.0		8.3		31.2		104.6		7.4		11.3		14		95				<0.2		0.7	
IM3	Fine	Moderate	15:15	6.7	Surface	1.0	0.6	84	24.0	24.0	8.3	8.3	31.0	31.0	108.5	108.4	7.7	7.7	14.4	19.0	7	7	86	90	818761	805613	<0.2	<0.2	0.7	0.8
						1.0	0.6	85	24.0		8.3		31.0		108.3		7.6		15.3		7		87				<0.2		0.8	
					Middle	3.4	0.6	84	24.0	24.0	8.3	8.3	31.0	31.0	108.3	108.8	7.6		20.3		7		90				<0.2		0.8	
						3.4	0.7	92	24.0		8.3		31.0		109.3		7.7		20.8		7		90				<0.2		0.8	
					Bottom	5.7	0.6	86	24.0	24.0	8.3	8.3	31.0	31.0	109.2	109.2	7.7	7.7	21.5		6		94				<0.2		0.7	
						5.7	0.6	93	24.0		8.3		31.0		109.2		7.7		21.8		7		94				<0.2		0.8	
IM4	Fine	Moderate	15:06	7.1	Surface	1.0	0.8	33	24.0	24.0	8.3	8.3	31.0	31.0	108.4	108.4	7.7	7.7	10.1	11.4	6	7	84	90	819724	804592	<0.2	<0.2	0.7	0.7
						1.0	0.8	40	24.0		8.3		31.0		108.4		7.7		10.2		6		86				<0.2		0.6	
					Middle	3.6	0.7	31	24.0	24.0	8.4	8.4	31.0	31.0	107.5	107.7	7.6		11.3		6		91				<0.2		0.7	
						3.6	0.7	31	24.0		8.4		31.0		107.8		7.6		11.8		7		92				<0.2		0.8	
					Bottom	6.1	0.6	31	24.0	24.0	8.4	8.4	31.0	31.0	107.4	107.3	7.6	7.6	12.4		8		93				<0.2		0.7	
						6.1	0.6	37	24.0		8.4		31.0		107.1		7.6		12.6		8		93				<0.2		0.6	
IM5	Fine	Moderate	14:59	6.5	Surface	1.0	0.6	68	24.0	24.0	8.4	8.4	30.9	30.9	109.3	109.2	7.7	7.7	8.8	10.2	5	5	86	90	820746	804879	<0.2	<0.2	0.6	0.7
						1.0	0.6	69	24.0		8.4		30.9		109.0		7.7		9.0		6		86				<0.2		0.6	
					Middle	3.3	0.6	69	24.0	24.0	8.4	8.4	31.0	31.0	108.4	108.3	7.6		10.3		4		89				<0.2		0.7	
						3.3	0.6	68	24.0		8.4		31.0		108.2		7.6		10.0		5		91				<0.2		0.8	
					Bottom	5.5	0.4	69	24.0	24.0	8.4	8.4	30.9	31.0	108.1	107.9	7.6	7.6	11.5		4		93				<0.2		0.8	
						5.5	0.5	67	24.0		8.4		31.0		107.6		7.6		11.7		3		94				<0.2		0.9	
IM6	Fine	Moderate	14:53	6.4	Surface	1.0	0.6	63	24.0	24.0	8.3	8.3	31.0	31.0	106.4	106.1	7.5	7.5	5.4	6.4	6	5	86	91	821083	805812	<0.2	<0.2	0.8	0.7
						1.0	0.6	65	24.0		8.3		31.0		105.7		7.5		5.8		6		87				<0.2		0.7	
					Middle	3.2	0.6	68	24.0	24.0	8.3	8.3	31.0	31.0	105.3	105.3	7.4		6.3		4		89				<0.2		0.7	
						3.2	0.6	63	24.0		8.3		31.0		105.2		7.4		6.1		4		91				<0.2		0.7	
					Bottom	5.4	0.5	61	24.0	24.0	8.3	8.3	31.0	31.0	105.7	105.9	7.5	7.5	7.3		4		95				<0.2		0.6	
						5.4	0.5	67	24.0		8.4		31.0		106.1		7.5		7.2		4		96				<0.2		0.7	
IM7	Fine	Moderate	14:46	7.6	Surface	1.0	0.6	65	24.1	24.1	8.4	8.4	30.7	30.7	107.9	107.9	7.6	7.6	5.8	6.6	4	4	86	90	821333	806845	<0.2	<0.2	0.7	0.7
						1.0	0.6	61	24.1		8.4		30.7		107.8		7.6		5.9		4		87				<0.2		0.6	
					Middle	3.8	0.5	66	24.1	24.0	8.4	8.3	30.8	30.8	105.9	105.8	7.5		6.3		3		90				<0.2		0.8	
						3.8	0.6	65	24.0		8.3		30.8		105.7		7.5		6.7		4		90				<0.2		0.7	
					Bottom	6.6	0.4	69	24.0	24.0	8.3	8.3	30.9	30.9	105.4	105.4	7.4	7.4	7.5		3		94				<0.2		0.7	
						6.6	0.4	63	24.0		8.4		30.9		105.3		7.4		7.6		4		95				<0.2		0.7	
IM8	Fine	Moderate	14:59	7.8	Surface	1.0	0.4	229	24.0	24.0	8.4	8.4	32.2	32.2	108.6	108.5	7.6	7.6	2.3	4.4	3	4	85	90	821814	808121	<0.2	<0.2	0.6	0.7
						1.0	0.5	225	24.0		8.4		32.2		108.4		7.6		2.2		4		85				<0.2		0.8	
					Middle	3.9	0.3	235	24.0	24.0	8.4	8.4	32.2	32.2	107.8	107.7	7.6		3.6		5		90				<0.2		0.6	
						3.9	0.3	234	24.0		8.4		32.2		107.6		7.5		3.7		4		91				<0.2		0.7	
					Bottom	6.8	0.2	237	24.0	24.0	8.4	8.4	32.2	32.2	107.4	107.3	7.5	7.5	7.1		4		93				<0.2		0.6	
						6.8	0.2	248	24.0		8.4		32.2		107.1		7.5		7.2		4		93				<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 03 November 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	15:06	7.3	Surface	1.0	0.3	200	24.0	24.0	8.4	8.4	32.3	32.3	107.6	107.6	7.5	7.5	2.4	4.3	4	4	85	90	822098	808790	<0.2	<0.2	0.7	0.8
						1.0	0.3	208	24.0		8.4		32.3		107.5		7.5		2.3		3		86				<0.2		0.7	
					Middle	3.7	0.1	241	24.0	24.0	8.4	8.4	32.3	32.3	107.1	107.1	7.5		4.7		4		89				<0.2		0.7	
						3.7	0.2	247	24.0		8.4		32.3		107.1		7.5		4.9		4		91				<0.2		0.8	
					Bottom	6.3	0.2	277	24.0	24.0	8.4	8.4	32.3	32.3	106.8	106.8	7.5	7.5	5.6		4		94				<0.2		0.8	
						6.3	0.2	300	24.0		8.4		32.3		106.8		7.5		5.7		4		95				<0.2		0.8	
IM10	Fine	Moderate	15:15	8.5	Surface	1.0	0.1	177	24.0	24.0	8.4	8.4	32.2	32.2	105.4	105.4	7.4	7.4	5.5	8.3	3	4	87	90	822365	809794	<0.2	<0.2	0.7	0.7
						1.0	0.1	177	24.0		8.4		32.2		105.4		7.4		5.8		4		87				<0.2		0.7	
					Middle	4.3	0.1	321	24.0	24.0	8.4	8.4	32.2	32.2	105.1	105.1	7.4		9.1		4		90				<0.2		0.8	
						4.3	0.1	343	24.0		8.4		32.2		105.1		7.4		9.3		4		91				<0.2		0.8	
					Bottom	7.5	0.1	309	24.0	24.0	8.4	8.4	32.2	32.2	105.1	105.1	7.4	7.4	9.8		4		93				<0.2		0.7	
						7.5	0.1	329	24.0		8.4		32.2		105.0		7.4		10.1		3		92				<0.2		0.6	
IM11	Fine	Moderate	15:21	8.3	Surface	1.0	0.1	222	24.0	24.0	8.4	8.4	32.4	32.4	103.8	103.8	7.3	7.3	4.6	5.6	<2	3	86	90	822047	811479	<0.2	<0.2	0.6	0.7
						1.0	0.1	223	24.0		8.4		32.4		103.7		7.3		4.7		2		87				<0.2		0.6	
					Middle	4.2	0.1	300	24.0	24.0	8.4	8.4	32.5	32.5	103.5	103.5	7.2		5.3		3		90				<0.2		0.8	
						4.2	0.1	318	24.0		8.4		32.5		103.4		7.2		5.6		3		90				<0.2		0.8	
					Bottom	7.3	0.2	319	24.0	24.0	8.4	8.4	32.5	32.5	104.0	104.0	7.3	7.3	6.5		3		93				<0.2		0.8	
						7.3	0.2	336	24.0		8.4		32.5		104.0		7.3		6.8		2		94				<0.2		0.7	
IM12	Fine	Moderate	15:28	9.0	Surface	1.0	0.1	252	24.0	24.0	8.4	8.4	32.5	32.5	99.2	99.0	6.9	6.8	7.4	9.4	3	4	87	90	821468	812062	<0.2	<0.2	0.6	0.7
						1.0	0.1	265	24.0		8.4		32.5		98.8		6.9		7.5		2		86				<0.2		0.7	
					Middle	4.5	0.2	279	24.0	24.0	8.4	8.4	32.6	32.6	97.5	97.0	6.8		9.5		4		89				<0.2		0.7	
						4.5	0.2	299	24.0		8.4		32.6		96.4		6.7		9.5		4		90				<0.2		0.7	
					Bottom	8.0	0.3	282	24.0	24.0	8.4	8.4	30.1	30.1	89.4	86.6	6.3	6.1	11.2		4		93				<0.2		0.8	
						8.0	0.3	306	24.0		8.4		30.2		83.8		5.9		11.5		5		94				<0.2		0.7	
SR1A	Fine	Moderate	15:46	7.6	Surface	1.0	-	-	24.0	24.0	8.4	8.4	32.5	32.5	104.0	104.0	7.3	7.3	2.2	5.5	3	3	-	-	820075	812584	-	-	-	-
						1.0	-	-	24.0		8.4		32.5		104.0		7.3		2.3		4		-				-		-	
					Middle	3.8	-	-	24.0	24.0	8.3	8.3	32.5	32.5	103.7	103.7	7.3		6.6		3		-				-		-	
						3.8	-	-	24.0		8.3		32.5		103.7		7.3		6.7		3		-				-		-	
					Bottom	6.6	-	-	24.0	24.0	8.3	8.3	32.5	32.5	104.0	104.3	7.3	7.3	7.6		4		-				-		-	
						6.6	-	-	24.0		8.3		32.5		104.5		7.3		7.7		3		-				-		-	
SR2	Fine	Moderate	16:25	5.7	Surface	1.0	0.1	33	23.9	23.9	8.3	8.3	31.4	31.4	101.9	101.9	7.2	7.2	3.9	4.8	3	5	85	90	821468	814143	<0.2	<0.2	0.7	0.8
						1.0	0.1	33	23.9		8.3		31.4		101.8		7.2		4.0		3		86				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.1	15	23.9	23.9	8.3	8.3	31.6	31.6	104.0	104.1	7.3	7.3	5.5		6		94				<0.2		0.8	
						4.7	0.1	16	23.9		8.3		31.6		104.1		7.3		5.6		7		95				<0.2		0.7	
SR3	Fine	Moderate	14:53	9.1	Surface	1.0	0.6	30	24.0	24.0	8.4	8.4	32.2	32.2	104.6	104.6	7.3	7.3	3.2	3.7	4	5	-	-	822142	807568	-	-	-	-
						1.0	0.6	33	24.0		8.4		32.2		104.5		7.3		3.4		4		-				-		-	
					Middle	4.6	0.3	25	24.0	24.0	8.4	8.4	32.2	32.2	104.2	104.2	7.3		3.4		5		-				-		-	
						4.6	0.3	26	24.0		8.4		32.2		104.2		7.3		3.5		5		-				-		-	
					Bottom	8.1	0.4	39	23.9	23.9	8.4	8.3	32.2	32.2	104.6	105.0	7.3	7.4	4.1		5		-				-		-	
						8.1	0.4	40	23.9		8.3		32.2		105.3		7.4		4.5		5		-				-		-	
SR4A	Fine	Moderate	16:25	7.9	Surface	1.0	0.7	245	24.0	24.0	8.2	8.2	30.3	30.3	101.7	101.7	7.2	7.2	10.3	11.7	11	11	-	-	817173	807795	-	-	-	-
						1.0	0.7	251	24.0		8.2		30.4		101.7		7.2		10.5		14		-				-		-	
					Middle	4.0	0.6	242	23.9	23.9	8.2	8.2	30.5	30.5	101.8	101.9	7.2		11.1		10		-				-		-	
						4.0	0.6	250	23.9		8.2		30.5		101.9		7.2		11.3		11		-				-		-	
					Bottom	6.9	0.5	245	23.9	23.9	8.2	8.2	30.5	30.5	103.7	103.7	7.3	7.3	13.2		11		-				-		-	
						6.9	0.5	263	23.9		8.2		30.5		103.7		7.3		13.9		10		-				-		-	
SR5A	Fine	Moderate	16:44	5.1	Surface	1.0	0.4	297	24.1	24.1	8.3	8.3	30.2	30.2	103.8	103.8	7.3	7.3	5.4	5.9	13	10	-	-	816590	810694	-	-	-	-
						1.0	0.4	319	24.1		8.3		30.2		103.8		7.3		5.5		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.3	305	24.1	24.1	8.3	8.3	30.3	30.3	105.3	105.4	7.5	7.5	6.3		8		-				-		-	
						4.1	0.3	320	24.1		8.3		30.3		105.4		7.5		6.5		7		-				-		-	
SR6	Fine	Moderate	17:23	3.2	Surface	1.0	0.2	252	24.6	24.6	8.1	8.1	31.4	31.4	103.5	103.4	7.2	7.2	6.2	7.3	10	10	-	-	817906	814671	-	-	-	-
						1.0	0.2	259	24.6		8.1		31.4		103.3		7.2		6.5		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.2	0.2	251	24.8	24.8	8.0	8.0	32.2	32.2	103.0	103.2	7.1	7.1	8.1		10		-				-		-	
						2.2	0.2	256	24.8		8.0		32.2		103.3		7.1		8.2		9		-				-		-	
SR7	Fine	Moderate	17:23	16.0	Surface	1.0	0.1	275	24.6	24.7	8.4	8.4	31.8	31.9	105.4	105.0	7.3	7.3	4.6	6.5	5	4	-	-	823651	823745	-	-	-	-
						1.0	0.1	284	24.8		8.4		32.0		104.6		7.2		4.8		6		-				-		-	
					Middle	8.0	0.1	287	24.8	24.8	8.4	8.4	32.2	32.2	105.2	105.4	7.3		6.1		4		-				-		-	
						8.0	0.1	292	24.8		8.4		32.2		105.5		7.3		6.3		3		-				-		-	
					Bottom	15.0	0.1	290	24.8	24.8	8.4	8.4	32.1	32.1	106.2	106.4	7.3	7.4	8.5		3		-				-		-	
						15.0	0.1	290	24.8		8.4		32.1		106.6		7.4		8.6		3		-				-		-	
SR8	Fine	Moderate	15:46	4.6	Surface	1.0	-	-	24.1	24.1	8.4	8.4	32.5	32.5	104.1	103.6	7.2	7.1	2.6	3.2	3	4	-	-	820246	811418	-	-	-	-
						1.0	-	-	24.1		8.4		32.5		103.1		7.0		2.9		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	24.1	24.1	8.4	8.4	32.5	32.5	103.2	103.7	7.2	7.3	3.5		4		-				-		-	
						3.6	-	-	24.1		8.4		32.5		104.2		7.3		3.6		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**

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 November 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	Average	DA	Value	DA
C1	Sunny	Moderate	12:10	8.8	Surface	1.0	0.5	187	25.1	25.1	8.3	8.3	32.4	32.4	103.5	103.4	7.1	7.0	4.3	9.2	8	6	89	92	815632	804257	<0.2	<0.2	<0.2	1.1	0.9
						1.0	0.5	199	25.1		8.3		32.4		103.3		7.1		4.3		7		91				<0.2			1.1	
					Middle	4.4	0.5	196	24.8	24.8	8.3	8.3	32.7	32.7	100.4	100.4	6.9		7.2		5		92				<0.2	<0.2		0.9	
						4.4	0.5	204	24.8		8.3		32.7		100.4		6.9		7.4		5		93				<0.2			0.8	
					Bottom	7.8	0.3	210	24.7	24.7	8.3	8.3	32.8	32.8	101.9	102.0	7.0	7.0	15.8		5		94				<0.2	<0.2		0.6	
						7.8	0.4	213	24.7		8.3		32.8		102.1		7.0		15.9		5		95				<0.2			0.9	
C2	Sunny	Moderate	13:14	11.3	Surface	1.0	0.2	59	24.9	24.9	8.2	8.2	29.8	29.8	112.3	112.3	7.8	7.7	8.3	11.7	5	5	83	87	825690	806929	<0.2	<0.2	<0.2	0.9	1.0
						1.0	0.2	60	24.9		8.2		29.8		112.3		7.8		8.4		6		83				<0.2			1.0	
					Middle	5.7	0.3	90	24.7	24.7	8.2	8.2	30.3	30.3	107.6	107.6	7.5		10.5		4		87				<0.2	<0.2		1.1	
						5.7	0.3	92	24.7		8.2		30.3		107.5		7.5		10.6		4		87				<0.2			1.1	
					Bottom	10.3	0.4	63	24.7	24.7	8.2	8.2	31.1	31.1	105.6	105.7	7.4	7.4	16.2		4		90				<0.2	<0.2		1.0	
						10.3	0.5	67	24.7		8.2		31.1		105.7		7.4		16.3		5		91				<0.2			1.1	
C3	Sunny	Moderate	11:00	12.1	Surface	1.0	0.4	84	24.9	24.9	8.1	8.1	31.0	31.0	105.9	105.8	7.4	7.2	6.6	8.0	4	6	84	89	822124	817801	<0.2	<0.2	<0.2	0.8	0.7
						1.0	0.5	87	24.9		8.1		31.0		105.7		7.3		6.6		4		84				<0.2			0.6	
					Middle	6.1	0.4	89	24.9	24.9	8.1	8.1	31.1	31.1	100.3	100.3	7.0		7.6		4		90				<0.2	<0.2		0.6	
						6.1	0.5	94	24.9		8.1		31.1		100.3		7.0		7.6		5		89				<0.2			0.7	
					Bottom	11.1	0.4	97	24.8	24.8	8.1	8.1	31.2	31.2	98.6	98.6	6.8	6.8	9.9		8		94				<0.2	<0.2		0.7	
						11.1	0.4	100	24.8		8.1		31.2		98.5		6.8		9.9		9		93				<0.2			0.8	
IM1	Sunny	Moderate	12:34	4.8	Surface	1.0	0.3	220	24.8	24.8	8.3	8.3	32.6	32.6	101.3	101.3	7.0	7.0	6.8	10.4	7	8	90	91	817928	807120	<0.2	<0.2	<0.2	1.5	1.5
						1.0	0.4	239	24.8		8.3		32.6		101.3		7.0		7.0		8		90				<0.2			1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.8	0.3	211	24.7	24.7	8.2	8.2	32.7	32.7	101.5	101.5	7.0	7.0	13.4		8		91				<0.2	<0.2		1.4	
						3.8	0.3	223	24.7		8.2		32.7		101.5		7.0		14.2		8		92				<0.2			1.6	
IM2	Sunny	Moderate	12:41	7.1	Surface	1.0	0.5	191	25.0	25.0	8.3	8.3	32.1	32.1	106.2	106.2	7.3	7.2	4.9	9.5	6	13	87	90	818171	806164	<0.2	<0.2	<0.2	0.9	0.9
						1.0	0.5	196	25.0		8.3		32.1		106.1		7.3		5.0		7		86				<0.2			0.9	
					Middle	3.6	0.4	181	24.8	24.8	8.3	8.3	32.4	32.4	103.2	103.2	7.1		8.6		12		90				<0.2	<0.2		1.0	
						3.6	0.4	196	24.8		8.3		32.4		103.1		7.1		8.7		11		91				<0.2			0.8	
					Bottom	6.1	0.4	185	24.8	24.8	8.3	8.3	32.5	32.5	102.1	102.1	7.0	7.0	14.7		21		93				<0.2	<0.2		0.8	
						6.1	0.4	188	24.8		8.3		32.5		102.1		7.0		15.0		20		93				<0.2			0.8	
IM3	Sunny	Moderate	12:48	7.4	Surface	1.0	0.2	200	24.8	24.8	8.3	8.3	32.4	32.4	104.2	104.2	7.2	7.2	4.7	6.7	8	9	87	90	818805	805584	<0.2	<0.2	<0.2	1.2	1.1
						1.0	0.2	214	24.9		8.3		32.4		104.1		7.2		4.7		8		87				<0.2			1.0	
					Middle	3.7	0.3	201	24.8	24.8	8.3	8.3	32.4	32.4	102.8	102.8	7.1		6.6		10		89				<0.2	<0.2		1.2	
						3.7	0.3	214	24.8		8.3		32.4		102.8		7.1		6.7		9		90				<0.2			1.0	
					Bottom	6.4	0.2	191	24.8	24.8	8.3	8.3	32.6	32.6	103.2	103.2	7.1	7.1	8.7		9		93				<0.2	<0.2		1.1	
						6.4	0.2	206	24.8		8.3		32.6		103.2		7.1		8.8		10		94				<0.2			1.0	
IM4	Sunny	Moderate	12:57	7.5	Surface	1.0	0.8	204	24.9	24.9	8.3	8.3	32.2	32.2	107.2	107.2	7.4	7.4	9.7	14.1	4	8	86	90	819705	804584	<0.2	<0.2	<0.2	1.8	1.5
						1.0	0.8	205	24.9		8.3		32.2		107.2		7.4		9.7		4		87				<0.2			1.5	
					Middle	3.8	0.7	202	24.8	24.8	8.3	8.3	32.3	32.3	106.5	106.5	7.4		13.7		9		90				<0.2	<0.2		1.5	
						3.8	0.8	220	24.8		8.3		32.3		106.5		7.4		14.1		9		90				<0.2			1.4	
					Bottom	6.5	0.6	198	24.8	24.8	8.3	8.3	32.3	32.3	105.9	105.9	7.3	7.3	18.6		10		93				<0.2	<0.2		1.4	
						6.5	0.7	215	24.8		8.3		32.3		105.9		7.3		18.5		9		93				<0.2			1.5	
IM5	Sunny	Moderate	13:05	6.8	Surface	1.0	0.7	201	24.7	24.7	8.2	8.2	32.1	32.1	108.6	108.6	7.5	7.4	7.8	12.3	6	6	87	90	820720	804864	<0.2	<0.2	<0.2	1.6	1.6
						1.0	0.8	218	24.8		8.2		32.1		108.6		7.5		7.9		5		88				<0.2			1.6	
					Middle	3.4	0.6	209	24.6	24.6	8.3	8.3	32.2	32.2	105.9	105.9	7.3		12.9		7		89				<0.2	<0.2		1.7	
						3.4	0.7	224	24.6		8.3		32.2		105.8		7.3		13.0		6		90				<0.2			1.5	
					Bottom	5.8	0.5	200	24.6	24.6	8.3	8.3	32.2	32.2	105.2	105.2	7.3	7.3	16.2		7		93				<0.2	<0.2		1.5	
						5.8	0.6	204	24.6		8.3		32.2		105.2		7.3		16.2		7		93				<0.2			1.4	
IM6	Sunny	Moderate	13:13	6.6	Surface	1.0	0.6	195	25.3	25.3	8.2	8.2	31.5	31.6	113.0	112.8	7.8	7.7	3.1	9.4	7	6	86	90	821041	805806	<0.2	<0.2	<0.2	0.8	0.9
						1.0	0.6	204	25.2		8.2		31.6		112.5		7.7		3.2		8		87				<0.2			0.9	
					Middle	3.3	0.5	204	24.7	24.7	8.2	8.2	32.1	32.1	109.2	109.2	7.6		6.3		6		89				<0.2	<0.2		1.1	
						3.3	0.5	208	24.7		8.2		32.1		109.1		7.6		6.4		6		90				<0.2			0.8	
					Bottom	5.6	0.4	204	24.7	24.7	8.2	8.2	32.1	32.1	107.5	107.5	7.4	7.4	18.7		5		92				<0.2	<0.2		0.8	
						5.6	0.4	216	24.7		8.2		32.1		107.5		7.4		18.7		5		93				<0.2			0.8	
IM7	Sunny	Moderate	13:21	7.9	Surface	1.0	0.5	257	25.0	25.0	8.2	8.2	31.4	31.3	111.6	111.6	7.7	7.7	6.1	9.0	6	7	87	90	821367	806849	<0.2	<0.2	<0.2	1.0	0.8
						1.0	0.5	260	25.0		8.2		31.3		111.5		7.7		6.2		6		88				<0.2			1.0	
					Middle	4.0	0.4	258	25.0	25.0	8.2	8.2	31.4	31.4	109.5	109.5	7.6		8.2		7		90				<0.2	<0.2		0.5	
						4.0	0.4	264	25.0		8.2		31.4		109.4		7.6		8.2		6		91				<0.2			0.5	
					Bottom	6.9	0.2	257	24.7	24.7	8.2	8.2	32.1	32.1	105.4	105.4	7.3	7.3	12.6		8		93				<0.2	<0.2		0.7	
						6.9	0.3	262	24.7		8.2		32.1		105.4		7.3		12.9		9		93				<0.2			0.9	
IM8	Sunny	Moderate	12:44	7.3	Surface	1.0	0.3	110	25.0	25.0	8.2	8.2	29.7	29.7	112.2	112.3	7.8	7.7	7.3	9.7	4	5	84	89	821837	808152	<0.2	<0.2	<0.2	0.8	0.8
						1.0	0.4	119	25.0		8.2		29.7		112.3		7.8		7.3		4		85				<0.2			0.7	
					Middle	3.7	0.3	89	24.7	24.7	8.2	8.2	30.3	30.3	107.4	107.4	7.5		9.7		5		90				<0.2	<0.2		0.8	
						3.7	0.3	95	24.7		8.2		30.3		107.3		7.5		9.7		4		89				<0.2			0.9	
					Bottom	6.3	0.4	94	24.7	24.7	8.2	8.2	30.7	30.7	103.9	103.9	7.3	7.3	12.1		6		92				<0.2	<0.2		0.9	
						6.3	0.4	95	24.7		8.2		30.7		103.9		7.3		12.1		6		93				<0.2			0.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 06 November 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	Average	DA	Value	DA
IM9	Sunny	Moderate	12:38	7.4	Surface	1.0	0.6	115	25.0	25.0	8.2	8.2	29.7	29.7	112.1	112.2	7.8	7.7	7.9	10.8	6	8	84	89	822087	808799	<0.2	<0.2	<0.2	1.0	0.6
						1.0	0.6	124	25.0		8.2		29.7		112.2		7.8		7.9		6		85				<0.2			0.4	
					Middle	3.7	0.5	93	24.7	24.7	8.2	8.2	30.5	30.5	107.6	107.6	7.5		11.4		8		89				<0.2	<0.2		0.5	
						3.7	0.5	99	24.7		8.2		30.5		107.6		7.5		11.5		8		89				<0.2			0.5	
					Bottom	6.4	0.4	77	24.6	24.6	8.2	8.2	30.5	30.5	107.0	107.1	7.5	7.5	13.0		9		93				<0.2	<0.2		0.5	
						6.4	0.5	77	24.6		8.2		30.5		107.1		7.5		13.1		9		93				<0.2			0.6	
IM10	Sunny	Moderate	12:30	9.0	Surface	1.0	0.5	116	25.0	25.0	8.2	8.2	29.6	29.6	113.1	113.1	7.9	7.8	7.2	10.9	8	8	84	89	822399	809784	<0.2	<0.2	<0.2	0.5	0.7
						1.0	0.6	125	25.0		8.2		29.6		113.0		7.9		7.2		7		84				<0.2			0.7	
					Middle	4.5	0.5	97	24.7	24.7	8.2	8.2	30.3	30.3	107.9	107.9	7.6		11.3		5		89				<0.2	<0.2		0.6	
						4.5	0.6	99	24.7		8.2		30.3		107.9		7.6		11.0		5		88				<0.2			0.6	
					Bottom	8.0	0.4	75	24.6	24.6	8.2	8.2	30.6	30.6	107.7	107.7	7.5	7.5	14.5		10		93				<0.2	<0.2		0.7	
						8.0	0.4	80	24.6		8.2		30.6		107.7		7.5		14.4		10		93				<0.2			0.9	
IM11	Sunny	Moderate	12:17	9.3	Surface	1.0	0.6	115	24.9	24.9	8.2	8.2	29.7	29.7	113.4	113.4	7.9	7.8	8.0	10.4	5	4	84	89	822077	811478	<0.2	<0.2	<0.2	0.8	0.8
						1.0	0.6	116	24.9		8.2		29.7		113.3		7.9		8.1		4		84				<0.2			0.9	
					Middle	4.7	0.5	103	24.7	24.7	8.2	8.2	30.1	30.1	109.2	109.1	7.6		10.3		4		90				<0.2	<0.2		0.6	
						4.7	0.6	106	24.7		8.2		30.1		109.0		7.6		10.3		5		89				<0.2			0.6	
					Bottom	8.3	0.4	77	24.6	24.6	8.2	8.2	30.6	30.6	107.8	107.8	7.5	7.5	12.8		4		93				<0.2	<0.2		0.8	
						8.3	0.4	81	24.6		8.2		30.6		107.8		7.5		12.9		4		93				<0.2			0.9	
IM12	Sunny	Moderate	12:06	9.9	Surface	1.0	0.6	116	24.9	24.9	8.1	8.1	29.8	29.8	111.3	111.3	7.8	7.7	7.7	11.6	9	8	85	89	821476	812027	<0.2	<0.2	<0.2	0.9	0.9
						1.0	0.6	121	24.9		8.1		29.8		111.2		7.8		7.8		10		84				<0.2			0.9	
					Middle	5.0	0.6	105	24.6	24.6	8.2	8.2	30.4	30.4	106.6	106.6	7.5		11.3		8		88				<0.2	<0.2		0.9	
						5.0	0.6	111	24.6		8.2		30.4		106.5		7.5		11.4		9		90				<0.2			0.8	
					Bottom	8.9	0.4	99	24.6	24.6	8.2	8.2	30.6	30.6	105.0	105.0	7.3	7.3	15.7		6		93				<0.2	<0.2		0.8	
						8.9	0.4	101	24.6		8.2		30.6		104.9		7.3		15.8		5		91				<0.2			1.1	
SR1A	Sunny	Moderate	11:43	7.5	Surface	1.0	-	-	24.6	24.6	8.1	8.1	30.7	30.7	108.6	108.5	7.6	7.6	8.5	9.4	7	8	-	-	820063	812583	-	-	-	-	-
						1.0	-	-	24.6		8.1		30.7		108.4		7.6		8.3		7		-				-			-	
					Middle	3.8	-	-	24.6	24.6	8.1	8.1	30.7	30.7	106.9	106.9	7.5		9.2		7		-				-	-		-	
						3.8	-	-	24.6		8.1		30.7		106.8		7.5		9.2		7		-				-			-	
					Bottom	6.5	-	-	24.6	24.6	8.1	8.1	30.7	30.7	104.4	104.4	7.3	7.3	10.5		11		-				-	-		-	
						6.5	-	-	24.6		8.1		30.7		104.3		7.3		10.4		10		-				-			-	
SR2	Sunny	Moderate	11:27	4.8	Surface	1.0	0.4	80	24.7	24.7	8.1	8.1	30.8	30.8	107.9	107.9	7.5	7.5	7.0	7.6	6	7	84	86	821474	814185	<0.2	<0.2	<0.2	1.2	1.1
						1.0	0.4	80	24.7		8.1		30.8		107.8		7.5		7.1		8		84				<0.2			1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.8	0.3	78	24.6	24.6	8.1	8.1	30.8	30.8	104.4	104.4	7.3	7.3	8.2		7		88				<0.2	<0.2		1.0	
						3.8	0.3	78	24.6		8.1		30.8		104.3		7.3		8.2		8		89				<0.2			1.0	
SR3	Sunny	Moderate	12:51	9.1	Surface	1.0	0.3	140	25.0	25.0	8.2	8.2	29.7	29.7	113.4	113.4	7.9	7.8	7.3	8.8	7	6	-	-	822127	807588	-	-	-	-	-
						1.0	0.3	143	25.0		8.2		29.7		113.4		7.9		7.3		7		-				-			-	
					Middle	4.6	0.3	104	24.8	24.8	8.2	8.2	30.1	30.1	110.5	110.5	7.7		8.4		6		-				-	-		-	
						4.6	0.3	106	24.8		8.2		30.1		110.4		7.7		8.4		5		-				-			-	
					Bottom	8.1	0.4	87	24.7	24.7	8.2	8.2	30.6	30.6	109.2	109.2	7.6	7.6	10.6		5		-				-	-		-	
						8.1	0.4	87	24.7		8.2		30.6		109.2		7.6		10.6		5		-				-			-	
SR4A	Sunny	Calm	11:51	9.5	Surface	1.0	0.3	68	24.7	24.7	8.3	8.3	32.6	32.6	99.7	99.7	6.9	6.9	4.2	6.9	6	9	-	-	817184	807808	-	-	-	-	-
						1.0	0.3	71	24.7		8.3		32.6		99.7		6.9		4.3		7		-				-			-	
					Middle	4.8	0.2	60	24.6	24.6	8.3	8.3	32.6	32.6	99.6	99.6	6.9		6.7		10		-				-	-		-	
						4.8	0.3	61	24.6		8.3		32.6		99.6		6.9		6.7		10		-				-			-	
					Bottom	8.5	0.2	56	24.6	24.6	8.3	8.3	32.6	32.6	100.9	101.0	7.0	7.0	9.7		10		-				-	-		-	
						8.5	0.2	60	24.6		8.3		32.6		101.0		7.0		9.7		10		-				-			-	
SR5A	Sunny	Calm	11:34	4.6	Surface	1.0	0.1	73	24.7	24.7	8.3	8.3	32.2	32.2	106.0	106.0	7.3	7.3	7.2	6.2	5	5	-	-	816570	810707	-	-	-	-	-
						1.0	0.1	77	24.7		8.3		32.2		106.0		7.3		7.2		5		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.6	0.2	97	24.6	24.6	8.3	8.3	32.3	32.3	105.9	106.0	7.3	7.3	5.2		4		-				-	-		-	
						3.6	0.2	105	24.6		8.3		32.3		106.0		7.3		5.3		5		-				-			-	
SR6	Sunny	Calm	11:06	4.5	Surface	1.0	0.1	353	24.5	24.5	8.3	8.3	32.1	32.1	112.6	112.3	7.8	7.8	6.1	5.5	8	9	-	-	817896	814681	-	-	-	-	-
						1.0	0.1	353	24.5		8.3		32.2		112.0		7.8		6.2		8		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.5	0.1	351	24.4	24.4	8.2	8.2	32.2	32.2	108.8	108.8	7.6	7.6	4.9		9		-				-	-		-	
						3.5	0.1	351	24.4		8.2		32.2		108.8		7.6		4.9		10		-				-			-	
SR7	Sunny	Moderate	10:23	15.6	Surface	1.0	0.3	69	24.9	24.9	8.5	8.5	31.6	31.6	95.8	95.8	6.6	6.6	7.3	7.6	6	8	-	-	823641	823764	-	-	-	-	-
						1.0	0.3	71	24.9		8.5		31.6		95.7		6.6		7.3		6		-				-			-	
					Middle	7.8	0.3	68	24.9	24.9	8.5	8.5	31.5	31.5	95.3	95.3	6.6		7.5		7		-				-	-		-	
						7.8	0.4	71	24.9		8.5		31.5		95.2		6.6		7.4		6		-				-			-	
					Bottom	14.6	0.2	23	24.9	24.9	8.6	8.6	31.6	31.6	94.3	94.3	6.5	6.5	7.9		12		-				-	-		-	
						14.6	0.2	23	24.9		8.6		31.7		94.2		6.5		7.9		12		-				-			-	
SR8	Sunny	Moderate	11:53	4.7	Surface	1.0	-	-	24.9	24.9	8.2	8.2	30.9	30.9	108.6	108.7	7.5	7.6	9.5	9.5	11	11	-	-	820246	811418	-	-	-	-	-
						1.0	-	-	24.9		8.2		30.9		108.7		7.6		9.5		10		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.7	-	-	24.7	24.7	8.2	8.2	30.8	30.8	106.1	106.0	7.4	7.4	9.5		10		-				-	-		-	
						3.7	-	-	24.8		8.2		30.8		105.9		7.4		9.5		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 November 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	Average	DA	Value	DA
C1	Sunny	Moderate	17:19	7.8	Surface	1.0	0.5	192	25.1	25.1	8.4	8.4	32.5	32.5	104.5	104.5	7.2	7.2	7.1	11.5	7	7	87	90	815599	804233	<0.2	<0.2	<0.2	0.9	1.1
						1.0	0.6	208	25.1		8.4		32.5		104.4		7.2		7.2		6		87				<0.2			1.2	
					Middle	3.9	0.5	202	24.9	24.9	8.4	8.4	32.5	32.5	103.2	103.2	7.1		10.8		6		89				<0.2	<0.2		1.2	
						3.9	0.5	213	24.9		8.4		32.6		103.1		7.1		11.9		7		90				<0.2			1.2	
					Bottom	6.8	0.3	208	24.8	24.8	8.4	8.4	32.6	32.6	102.7	102.7	7.1	7.1	15.9		9		94				<0.2	<0.2		1.2	
						6.8	0.4	214	24.8		8.4		32.6		102.7		7.1		16.0		8		95				<0.2			1.1	
C2	Sunny	Moderate	16:18	11.4	Surface	1.0	0.2	320	25.0	24.9	8.2	8.2	29.8	29.8	111.5	111.4	7.8	7.7	8.1	14.5	5	7	85	90	825704	806935	<0.2	<0.2	<0.2	1.1	1.0
						1.0	0.2	335	24.9		8.2		29.8		111.3		7.8		8.2		5		85				<0.2			1.0	
					Middle	5.7	0.2	15	24.7	24.7	8.2	8.2	30.7	30.7	106.8	106.8	7.5		12.4		6		90				<0.2	<0.2		0.8	
						5.7	0.3	15	24.7		8.2		30.7		106.8		7.5		12.4		7		90				<0.2			0.9	
					Bottom	10.4	0.4	44	24.8	24.8	8.2	8.2	31.1	31.1	105.0	105.1	7.3	7.3	22.7		9		95				<0.2	<0.2		0.9	
						10.4	0.4	45	24.8		8.2		31.1		105.1		7.3		23.2		11		94				<0.2			1.0	
C3	Fine	Moderate	18:20	11.7	Surface	1.0	0.3	236	24.9	24.9	8.2	8.2	30.6	30.6	112.2	112.2	7.8	7.8	8.5	9.3	10	10	84	88	822101	817815	<0.2	<0.2	<0.2	0.9	1.0
						1.0	0.3	243	24.9		8.2		30.6		112.1		7.8		8.5		11		84				<0.2			1.1	
					Middle	5.9	0.3	230	24.8	24.8	8.1	8.1	30.7	30.7	110.3	110.3	7.7		10.1		11		88				<0.2	<0.2		1.1	
						5.9	0.3	248	24.8		8.1		30.7		110.3		7.7		10.2		9		88				<0.2			1.1	
					Bottom	10.7	0.2	233	24.8	24.8	8.1	8.1	30.8	30.8	108.5	108.5	7.6	7.6	9.3		10		93				<0.2	<0.2		1.1	
						10.7	0.2	255	24.8		8.1		30.8		108.5		7.6		9.2		9		92				<0.2			0.8	
IM1	Sunny	Calm	17:00	4.6	Surface	1.0	0.1	43	24.9	24.9	8.4	8.4	32.5	32.5	103.3	103.3	7.1	7.1	3.3	4.0	10	9	88	91	817946	807113	<0.2	<0.2	<0.2	0.6	0.6
						1.0	0.1	43	24.9		8.4		32.5		103.3		7.1		3.3		9		89				<0.2			0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.6	0.0	34	24.8	24.8	8.4	8.4	32.5	32.5	103.1	103.1	7.1	7.1	4.6		8		93				<0.2	<0.2		0.6	
						3.6	0.0	35	24.8		8.4		32.5		103.1		7.1		4.8		8		93				<0.2			0.6	
IM2	Sunny	Moderate	16:54	6.6	Surface	1.0	0.2	40	24.9	24.9	8.4	8.4	32.2	32.2	105.8	105.8	7.3	7.3	5.0	10.1	10	10	86	90	818156	806167	<0.2	<0.2	<0.2	0.8	0.9
						1.0	0.2	40	24.9		8.4		32.2		105.8		7.3		5.2		10		87				<0.2			1.0	
					Middle	3.3	0.4	66	24.8	24.8	8.4	8.4	32.4	32.4	104.8	104.8	7.2		8.7		9		89				<0.2	<0.2		1.0	
						3.3	0.4	69	24.8		8.4		32.4		104.8		7.2		9.5		10		90				<0.2			0.9	
					Bottom	5.6	0.4	58	24.8	24.8	8.4	8.4	32.4	32.4	104.4	104.4	7.2	7.2	16.3		9		94				<0.2	<0.2		0.9	
						5.6	0.5	63	24.8		8.4		32.4		104.4		7.2		15.9		9		94				<0.2			0.9	
IM3	Sunny	Moderate	16:48	6.8	Surface	1.0	0.3	88	24.9	24.9	8.4	8.4	32.1	32.1	109.4	109.4	7.5	7.5	8.6	9.2	10	14	87	90	818783	805579	<0.2	<0.2	<0.2	0.8	0.9
						1.0	0.3	94	24.9		8.4		32.1		109.3		7.5		8.4		11		87				<0.2			0.9	
					Middle	3.4	0.2	80	24.9	24.9	8.4	8.4	32.1	32.1	108.8	108.8	7.5		7.4		11		90				<0.2	<0.2		0.8	
						3.4	0.2	81	24.9		8.4		32.1		108.8		7.5		7.6		11		90				<0.2			1.0	
					Bottom	5.8	0.2	62	24.9	24.9	8.4	8.4	32.1	32.1	108.6	108.6	7.5	7.5	11.5		19		94				<0.2	<0.2		0.8	
						5.8	0.2	67	24.9		8.4		32.1		108.5		7.5		11.4		20		94				<0.2			0.8	
IM4	Sunny	Moderate	16:40	7.0	Surface	1.0	0.2	76	24.9	24.9	8.4	8.4	32.0	32.0	109.2	109.2	7.5	7.5	7.1	10.7	12	11	87	90	819731	804597	<0.2	<0.2	<0.2	0.8	0.9
						1.0	0.3	76	24.9		8.4		32.0		109.1		7.5		7.2		14		87				<0.2			0.8	
					Middle	3.5	0.2	12	24.8	24.8	8.4	8.4	32.1	32.1	107.6	107.6	7.4		11.1		10		89				<0.2	<0.2		0.9	
						3.5	0.2	12	24.8		8.4		32.1		107.6		7.4		11.1		11		90				<0.2			0.9	
					Bottom	6.0	0.2	320	24.7	24.7	8.4	8.4	32.1	32.1	106.6	106.6	7.4	7.4	13.9		9		93				<0.2	<0.2		0.9	
						6.0	0.3	323	24.7		8.4		32.1		106.5		7.4		14.0		10		95				<0.2			1.0	
IM5	Sunny	Moderate	16:34	6.6	Surface	1.0	0.9	26	24.8	24.8	8.4	8.4	32.0	32.0	108.6	108.6	7.5	7.5	7.3	10.4	10	9	86	90	820747	804888	<0.2	<0.2	<0.2	1.1	1.1
						1.0	0.9	26	24.8		8.4		32.0		108.5		7.5		7.4		10		87				<0.2			1.1	
					Middle	3.3	0.7	23	24.7	24.7	8.4	8.4	32.1	32.1	106.9	106.9	7.4		11.0		8		90				<0.2	<0.2		1.1	
						3.3	0.7	25	24.7		8.4		32.1		106.8		7.4		11.1		9		90				<0.2			1.2	
					Bottom	5.6	0.6	26	24.7	24.7	8.4	8.4	32.1	32.1	105.7	105.7	7.3	7.3	12.7		8		94				<0.2	<0.2		1.1	
						5.6	0.6	29	24.7		8.4		32.1		105.7		7.3		12.6		8		94				<0.2			0.9	
IM6	Sunny	Moderate	16:29	6.5	Surface	1.0	0.6	32	25.3	25.3	8.4	8.4	31.2	31.2	117.0	116.9	8.1	8.0	10.1	12.1	7	8	87	90	821079	805837	<0.2	<0.2	<0.2	1.0	1.0
						1.0	0.7	38	25.3		8.4		31.2		116.7		8.0		10.3		7		88				<0.2			1.1	
					Middle	3.3	0.6	26	25.1	25.1	8.4	8.4	31.5	31.5	114.1	114.1	7.9		11.3		7		89				<0.2	<0.2		1.0	
						3.3	0.7	23	25.1		8.4		31.5		114.0		7.9		11.3		8		90				<0.2			1.0	
					Bottom	5.5	0.5	14	24.9	24.9	8.4	8.4	31.8	31.8	111.5	111.5	7.7	7.7	14.8		8		93				<0.2	<0.2		1.0	
						5.5	0.5	16	24.9		8.4		31.8		111.4		7.7		14.8		9		95				<0.2			1.0	
IM7	Sunny	Moderate	16:18	7.7	Surface	1.0	0.5	64	24.9	24.9	8.4	8.4	31.4	31.4	110.1	110.1	7.6	7.5	7.1	9.7	9	10	90	93	821353	806844	<0.2	<0.2	<0.2	1.2	1.1
						1.0	0.5	69	24.9		8.4		31.4		110.0		7.6		7.1		9		90				<0.2			1.0	
					Middle	3.9	0.5	60	24.7	24.7	8.4	8.4	31.6	31.6	107.0	107.0	7.4		10.3		8		92				<0.2	<0.2		1.0	
						3.9	0.5	65	24.7		8.4		31.6		106.9		7.4		10.4		9		93				<0.2			1.2	
					Bottom	6.7	0.3	53	24.6	24.6	8.4	8.4	31.9	31.9	106.8	106.8	7.4	7.4	11.8		12		95				<0.2	<0.2		1.1	
						6.7	0.3	54	24.6		8.4		31.9		106.8		7.4		11.7		11		95				<0.2			1.2	
IM8	Fine	Moderate	16:44	7.5	Surface	1.0	0.2	243	25.0	25.0	8.2	8.2	29.7	29.7	114.1	114.1	8.0	7.9	7.2	8.7	11	9	86	90	821814	808156	<0.2	<0.2	<0.2	1.1	1.0
						1.0	0.2	252	25.0		8.2		29.7		114.1		8.0		7.2		11		86				<0.2			1.0	
					Middle	3.8	0.4	237	24.8	24.8	8.2	8.2	30.0	30.0	111.7	111.8	7.8		8.5		7		90				<0.2	<0.2		1.0	
						3.8	0.4	244	24.8		8.2		30.0		111.8		7.8		8.6		7		90				<0.2			1.0	
					Bottom	6.5	0.4	242	24.7	24.7	8.2	8.2	30.8	30.8	108.0	108.1	7.5	7.5	10.2		8		94				<0.2	<0.2		1.0	
						6.5	0.5	254	24.7		8.2		30.8		108.1		7.5		10.2		8		95				<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 06 November 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	Average	DA	Value	DA
IM9	Fine	Moderate	16:51	7.2	Surface	1.0	0.3	232	25.0	25.0	8.2	8.2	29.8	29.8	113.1	113.1	7.9	7.8	7.6	8.6	10	11	86	90	822099	808829	<0.2	<0.2	<0.2	1.0	1.0
						1.0	0.3	252	25.0		8.2		29.8		113.0		7.9		7.7		10		87							0.9	
					Middle	3.6	0.2	226	24.8	24.8	8.2	8.2	30.1	30.1	110.1	110.1	7.7		8.9		10		90				<0.2	<0.2		1.0	
						3.6	0.2	243	24.8		8.2		30.1		110.1		7.7		9.0		11		90				<0.2			1.1	
					Bottom	6.2	0.2	214	24.7	24.7	8.2	8.2	30.8	30.8	108.8	108.8	7.6	7.6	9.1		14		95				<0.2	<0.2		1.1	
						6.2	0.2	226	24.7		8.2		30.8		108.8		7.6		9.1		13		94				<0.2			1.0	
IM10	Fine	Moderate	16:59	6.3	Surface	1.0	0.2	264	25.0	25.0	8.2	8.2	29.8	29.8	113.3	113.3	7.9	7.8	7.3	8.4	9	8	86	90	822404	809807	<0.2	<0.2	<0.2	1.1	1.1
						1.0	0.3	289	25.0		8.2		29.8		113.3		7.9		7.4		9		86				<0.2			1.1	
					Middle	3.2	0.2	260	24.7	24.7	8.2	8.2	30.2	30.2	109.9	109.9	7.7		8.9		8		90				<0.2	<0.2		1.1	
						3.2	0.2	275	24.7		8.2		30.2		109.9		7.7		8.9		8		90				<0.2			1.0	
					Bottom	5.3	0.2	253	24.8	24.8	8.2	8.2	30.7	30.7	109.7	109.7	7.6	7.6	8.9		7		94				<0.2	<0.2		1.1	
						5.3	0.3	254	24.8		8.2		30.8		109.7		7.6		8.9		6		94				<0.2			1.2	
IM11	Fine	Moderate	17:12	7.4	Surface	1.0	0.3	235	24.9	24.9	8.2	8.2	30.0	30.0	113.1	113.1	7.9	7.8	7.4	8.5	6	8	85	90	822072	811477	<0.2	<0.2	<0.2	1.2	1.2
						1.0	0.3	253	24.9		8.2		30.0		113.1		7.9		7.4		7		86				<0.2			1.2	
					Middle	3.7	0.3	230	24.7	24.7	8.2	8.2	30.3	30.3	110.1	110.1	7.7		8.8		7		90				<0.2	<0.2		1.3	
						3.7	0.3	245	24.7		8.2		30.3		110.0		7.7		8.8		7		90				<0.2			1.2	
					Bottom	6.4	0.2	226	24.7	24.7	8.2	8.2	30.7	30.7	109.4	109.4	7.6	7.6	9.4		11		94				<0.2	<0.2		1.1	
						6.4	0.2	230	24.7		8.2		30.7		109.3		7.6		9.4		10		94				<0.2			1.3	
IM12	Fine	Moderate	17:20	8.4	Surface	1.0	0.2	312	24.9	24.9	8.2	8.2	30.0	30.0	112.7	112.7	7.9	7.8	7.1	7.9	8	7	86	90	821447	812060	<0.2	<0.2	<0.2	0.8	0.9
						1.0	0.2	341	24.9		8.2		30.0		112.7		7.9		7.0		9		86				<0.2			0.8	
					Middle	4.2	0.3	317	24.7	24.7	8.2	8.2	30.4	30.4	109.7	109.8	7.7		8.1		6		89				<0.2	<0.2		0.9	
						4.2	0.3	339	24.7		8.2		30.4		109.8		7.7		8.2		6		90				<0.2			0.9	
					Bottom	7.4	0.2	319	24.8	24.8	8.2	8.2	30.8	30.8	109.4	109.4	7.6	7.6	8.4		7		93				<0.2	<0.2		0.9	
						7.4	0.3	342	24.8		8.2		30.8		109.4		7.6		8.3		7		94				<0.2			1.3	
SR1A	Fine	Moderate	17:45	7.2	Surface	1.0	-	-	24.9	24.9	8.2	8.2	30.6	30.6	114.9	114.9	8.0	7.9	7.5	7.8	8	9	-	-	820064	812579	-	-	-	-	-
						1.0	-	-	24.9		8.2		30.6		114.8		8.0		7.5		8		-				-			-	
					Middle	3.6	-	-	24.8	24.8	8.2	8.2	30.7	30.7	112.4	112.4	7.8		6.9		9		-				-	-		-	
						3.6	-	-	24.8		8.2		30.7		112.3		7.8		6.9		8		-				-			-	
					Bottom	6.2	-	-	24.6	24.6	8.1	8.1	30.8	30.8	109.0	109.0	7.6	7.6	8.9		10		-				-	-		-	
						6.2	-	-	24.6		8.1		30.8		108.9		7.6		8.9		10		-				-			-	
SR2	Fine	Moderate	18:00	4.7	Surface	1.0	0.3	342	24.7	24.7	8.2	8.2	30.4	30.4	106.7	106.8	7.5	7.5	12.6	13.7	13	16	85	89	821453	814183	<0.2	<0.2	<0.2	0.8	0.9
						1.0	0.3	315	24.7		8.2		30.4		106.8		7.5		12.6		15		86				<0.2			1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.7	0.3	349	24.6	24.6	8.2	8.2	30.5	30.5	104.9	104.9	7.3	7.3	14.8		16		91				<0.2	<0.2		0.8	
						3.7	0.3	321	24.6		8.2		30.5		104.9		7.3		14.8		18		92				<0.2			0.9	
SR3	Fine	Moderate	16:38	8.6	Surface	1.0	0.5	78	25.0	25.0	8.2	8.2	29.8	29.8	112.2	112.2	7.8	7.7	7.5	9.2	10	8	-	-	822156	807585	-	-	-	-	-
						1.0	0.6	85	25.0		8.2		29.8		112.2		7.8		7.6		10		-				-			-	
					Middle	4.3	0.5	80	24.7	24.7	8.2	8.2	30.3	30.3	108.1	108.1	7.6		9.5		10		-				-	-		-	
						4.3	0.6	87	24.7		8.2		30.3		108.0		7.6		9.5		8		-				-			-	
					Bottom	7.6	0.5	89	24.7	24.7	8.2	8.2	31.0	31.0	108.0	108.1	7.5	7.5	10.4		5		-				-	-		-	
						7.6	0.6	89	24.7		8.2		31.0		108.2		7.5		10.4		6		-				-			-	
SR4A	Sunny	Moderate	17:40	8.0	Surface	1.0	0.5	240	25.1	25.1	8.4	8.4	32.4	32.4	102.9	102.9	7.1	7.1	3.2	5.2	8	7	-	-	817208	807821	-	-	-	-	-
						1.0	0.6	256	25.1		8.4		32.4		102.9		7.1		3.2		8		-				-			-	
					Middle	4.0	0.6	246	24.9	24.9	8.4	8.4	32.5	32.5	102.0	102.0	7.0		5.3		7		-				-	-		-	
						4.0	0.6	249	24.9		8.4		32.5		102.0		7.0		5.5		7		-				-			-	
					Bottom	7.0	0.5	244	24.9	24.9	8.4	8.4	32.5	32.5	102.0	102.0	7.0	7.0	7.2		5		-				-	-		-	
						7.0	0.5	257	24.9		8.4		32.5		102.0		7.0		7.0		5		-				-			-	
SR5A	Sunny	Calm	17:59	4.8	Surface	1.0	0.3	284	25.1	25.1	8.4	8.4	32.3	32.3	106.6	106.4	7.3	7.3	2.9	4.2	4	5	-	-	816601	810672	-	-	-	-	-
						1.0	0.3	311	25.1		8.4		32.3		106.1		7.3		3.1		4		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.8	0.3	296	25.0	25.0	8.4	8.4	32.4	32.4	104.4	104.4	7.2	7.2	5.2		5		-				-	-		-	
						3.8	0.3	323	25.0		8.4		32.4		104.3		7.2		5.4		5		-				-			-	
SR6	Sunny	Calm	19:05	4.1	Surface	1.0	0.2	250	24.8	24.8	8.5	8.5	32.1	32.1	126.6	126.6	8.8	8.8	4.5	5.7	7	9	-	-	817877	814651	-	-	-	-	-
						1.0	0.2	271	24.8		8.5		32.1		126.5		8.7		4.6		8		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.1	0.2	243	24.7	24.7	8.5	8.5	32.1	32.1	122.4	122.4	8.5	8.5	6.9		10		-				-	-		-	
						3.1	0.2	260	24.7		8.5		32.1		122.3		8.5		6.9		10		-				-			-	
SR7	Fine	Moderate	18:48	14.7	Surface	1.0	0.1	258	24.9	24.9	8.1	8.1	31.2	31.2	106.7	106.7	7.4	7.3	6.8	7.2	5	7	-	-	823613	823752	-	-	-	-	-
						1.0	0.1	262	24.9		8.1		31.2		106.7		7.4		6.8		6		-				-			-	
					Middle	7.4	0.3	263	24.9	24.9	8.1	8.1	31.2	31.2	103.7	103.7	7.2		7.0		6		-				-	-		-	
						7.4	0.3	263	24.9		8.1		31.2		103.6		7.2		7.0		5		-				-			-	
					Bottom	13.7	0.2	292	24.9	24.9	8.1	8.1	31.3	31.3	100.0	100.0	6.9	6.9	7.6		12		-				-	-		-	
						13.7	0.2	294	24.9		8.1		31.3		99.9		6.9		7.7		10		-				-			-	
SR8	Fine	Moderate	17:35	4.5	Surface	1.0	-	-	25.5	25.5	8.1	8.1	31.0	31.0	108.6	108.6	7.5	7.5	8.6	8.4	8	8	-	-	820246	811418	-	-	-	-	-
						1.0	-	-	25.5		8.2		31.0		108.5		7.5		8.6		8		-				-			-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-		-	
						-	-	-	-		-		-		-		-		-		-		-				-			-	
					Bottom	3.5	-	-	24.8	24.8	8.1	8.1	31.2	31.2	106.2	106.2	7.4	7.4	8.1		8		-				-	-		-	
						3.5	-	-	24.8		8.1		31.2		106.1		7.4		8.1		8		-				-			-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Fine	Rough	13:26	8.0	Surface	1.0	0.3	195	25.0	25.0	8.1	8.1	30.6	30.6	106.7	106.7	7.4	7.4	11.0	13.8	11	12	84	89	815626	804260	<0.2	<0.2	0.9	1.1
						1.0	0.3	200	25.0		8.1		30.6		106.7		7.4		11.0		11		85				<0.2		1.3	
					Middle	4.0	0.2	225	25.0	25.0	8.1	8.1	30.6	30.6	104.7	104.7	7.3		12.6		11		89				<0.2		1.2	
						4.0	0.2	225	25.0		8.1		30.6		104.7		7.3		12.7		12		90				<0.2		1.0	
					Bottom	7.0	0.2	235	24.9	24.9	8.0	8.0	31.2	31.2	102.3	102.3	7.1	7.1	17.5		13		93				<0.2		1.0	
						7.0	0.2	236	24.9		8.0		31.2		102.3		7.1		17.7		12		94				<0.2		0.9	
C2	Fine	Rough	14:19	11.4	Surface	1.0	0.2	62	25.1	25.1	8.2	8.2	28.8	28.8	111.8	111.8	7.8	7.8	10.5	11.3	10	12	85	90	825694	806921	<0.2	<0.2	1.0	1.1
						1.0	0.2	64	25.1		8.2		28.8		111.8		7.8		10.6		10		86				<0.2		1.1	
					Middle	5.7	0.3	88	25.1	25.1	8.2	8.2	28.9	28.9	110.4	110.4	7.7		11.4		11		89				<0.2		1.1	
						5.7	0.3	89	25.1		8.2		28.9		110.4		7.7		11.4		11		89				<0.2		1.3	
					Bottom	10.4	0.4	70	25.0	25.0	8.2	8.2	29.1	29.1	109.7	109.7	7.7	7.7	12.0		13		94				<0.2		1.0	
						10.4	0.5	72	25.0		8.2		29.1		109.6		7.7		12.0		14		95				<0.2		1.0	
C3	Fine	Moderate	12:10	11.4	Surface	1.0	0.4	80	25.0	25.0	8.0	8.0	30.2	30.2	106.3	106.3	7.4	7.4	13.1	12.9	11	12	83	89	822115	817818	<0.2	<0.2	1.1	1.1
						1.0	0.4	84	25.0		8.0		30.2		106.3		7.4		13.1		12		86				<0.2		1.1	
					Middle	5.7	0.4	91	25.0	25.0	8.0	8.0	30.3	30.3	106.8	106.9	7.4		12.6		12		88				<0.2		1.0	
						5.7	0.5	94	25.0		8.0		30.3		106.9		7.4		12.7		13		89				<0.2		1.1	
					Bottom	10.4	0.4	95	25.0	25.0	8.0	8.0	30.4	30.4	107.0	107.0	7.4	7.4	12.9		12		93				<0.2		1.1	
						10.4	0.4	101	25.0		8.0		30.4		106.9		7.4		12.9		13		93				<0.2		1.1	
IM1	Fine	Rough	13:52	4.6	Surface	1.0	0.5	197	25.0	25.0	8.1	8.1	30.9	30.9	109.5	109.5	7.6	7.6	12.5	17.2	12	14	90	92	817947	807140	<0.2	<0.2	1.2	1.2
						1.0	0.5	200	25.0		8.1		30.9		109.5		7.6		12.5		13		90				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.3	203	25.0	25.0	8.0	8.0	30.9	30.9	108.4	108.4	7.5	7.5	21.8		16		93				<0.2		1.2	
						3.6	0.3	217	25.0		8.0		30.9		108.4		7.5		22.0		15		93				<0.2		1.3	
IM2	Fine	Rough	14:00	7.2	Surface	1.0	0.3	205	25.1	25.1	8.1	8.1	30.8	30.8	109.5	109.5	7.6	7.6	11.3	11.6	10	12	86	90	818160	806156	<0.2	<0.2	1.5	1.4
						1.0	0.4	208	25.1		8.1		30.8		109.5		7.6		11.4		11		86				<0.2		1.5	
					Middle	3.6	0.3	197	25.1	25.1	8.1	8.1	30.9	30.9	108.1	108.1	7.5		11.6		11		90				<0.2		1.4	
						3.6	0.3	203	25.1		8.1		30.9		108.1		7.5		11.6		12		90				<0.2		1.4	
					Bottom	6.2	0.2	195	25.0	25.0	8.1	8.1	31.1	31.1	107.7	107.7	7.5	7.5	11.8		12		93				<0.2		1.4	
						6.2	0.2	205	25.0		8.1		31.1		107.7		7.5		11.8		13		94				<0.2		1.4	
IM3	Fine	Rough	14:09	7.3	Surface	1.0	0.6	209	25.1	25.1	8.1	8.1	30.9	30.9	108.7	108.7	7.5	7.5	18.3	19.0	22	23	86	91	818790	805582	<0.2	<0.2	1.1	1.2
						1.0	0.6	211	25.1		8.1		30.9		108.7		7.5		18.2		22		87				<0.2		1.1	
					Middle	3.7	0.6	202	25.1	25.1	8.1	8.1	30.9	30.9	107.8	107.8	7.5		18.7		22		90				<0.2		1.3	
						3.7	0.6	221	25.1		8.1		30.9		107.8		7.5		18.8		24		92				<0.2		1.2	
					Bottom	6.3	0.3	198	25.1	25.1	8.1	8.1	31.0	31.0	107.0	107.0	7.4	7.4	20.0		24		96				<0.2		1.3	
						6.3	0.3	209	25.1		8.1		31.0		107.0		7.4		20.1		23		96				<0.2		1.2	
IM4	Fine	Moderate	14:20	7.2	Surface	1.0	0.7	164	25.0	25.0	8.1	8.1	30.3	30.3	109.0	109.0	7.6	7.6	16.1	18.1	18	20	88	93	819737	804595	<0.2	<0.2	1.0	0.9
						1.0	0.7	178	25.0		8.1		30.3		109.0		7.6		16.1		19		89				<0.2		0.9	
					Middle	3.6	0.6	167	25.0	25.0	8.1	8.1	30.4	30.4	108.3	108.3	7.5		17.8		20		92				<0.2		0.8	
						3.6	0.6	176	25.0		8.1		30.4		108.3		7.5		17.8		20		93				<0.2		1.0	
					Bottom	6.2	0.4	150	25.0	25.0	8.1	8.1	30.4	30.4	107.5	107.5	7.5	7.5	20.7		21		98				<0.2		0.9	
						6.2	0.4	162	25.0		8.1		30.4		107.5		7.5		20.2		20		99				<0.2		0.9	
IM5	Fine	Moderate	14:30	6.6	Surface	1.0	0.5	175	25.1	25.1	8.1	8.1	29.8	29.8	111.5	111.6	7.8	7.8	13.6	16.5	17	19	88	89	820721	804887	<0.2	<0.2	1.1	1.0
						1.0	0.5	187	25.1		8.1		29.8		111.6		7.8		13.6		17		87				<0.2		1.0	
					Middle	3.3	0.4	195	25.0	25.0	8.1	8.1	29.9	29.9	110.0	110.0	7.7		16.5		19		88				<0.2		1.0	
						3.3	0.4	208	25.0		8.1		29.9		110.0		7.7		16.4		18		89				<0.2		1.0	
					Bottom	5.6	0.4	190	25.0	25.0	8.1	8.1	30.0	30.0	108.9	108.9	7.6	7.6	19.4		20		92				<0.2		1.0	
						5.6	0.5	193	25.0		8.1		30.0		108.9		7.6		19.3		20		92				<0.2		0.9	
IM6	Fine	Moderate	14:40	6.2	Surface	1.0	0.3	243	25.1	25.1	8.1	8.1	29.7	29.7	113.5	113.5	7.9	7.9	14.8	16.5	15	17	87	90	821051	805808	<0.2	<0.2	1.0	1.0
						1.0	0.3	266	25.1		8.1		29.7		113.5		7.9		14.8		14		87				<0.2		1.1	
					Middle	3.1	0.3	256	25.1	25.1	8.1	8.1	29.7	29.7	112.9	112.9	7.9		15.3		17		90				<0.2		1.1	
						3.1	0.3	269	25.1		8.1		29.7		112.9		7.9		15.3		17		91				<0.2		0.9	
					Bottom	5.2	0.3	244	25.1	25.1	8.1	8.1	29.7	29.7	110.7	110.7	7.7	7.7	19.4		19		93				<0.2		1.1	
						5.2	0.3	259	25.1		8.1		29.7		110.6		7.7		19.6		20		94				<0.2		1.0	
IM7	Fine	Moderate	14:49	7.7	Surface	1.0	0.3	244	25.1	25.1	8.1	8.1	30.0	30.0	111.7	111.7	7.8	7.8	9.8	10.3	7	8	85	90	821362	806855	<0.2	<0.2	1.0	1.1
						1.0	0.3	261	25.1		8.1		30.0		111.7		7.8		9.8		6		87				<0.2		1.0	
					Middle	3.9	0.2	260	25.1	25.1	8.1	8.1	30.1	30.1	110.2	110.2	7.7		10.3		7		89				<0.2		1.1	
						3.9	0.3	285	25.1		8.1		30.1		110.2		7.7		10.3		7		90				<0.2		1.1	
					Bottom	6.7	0.2	255	25.0	25.0	8.1	8.1	30.3	30.3	109.5	109.5	7.6	7.6	10.7		11		94				<0.2		1.1	
						6.7	0.3	261	25.0		8.1		30.3		109.5		7.6		10.7		10		95				<0.2		1.2	
IM8	Fine	Rough	13:38	7.7	Surface	1.0	0.3	111	25.1	25.1	8.3	8.3	28.6	28.5	112.1	112.0	7.9	7.8	11.5	14.8	15	16	84	89	821832	808142	<0.2	<0.2	1.1	1.1
						1.0	0.3	114	25.1		8.3		28.5		111.9		7.9		11.5		14		85				<0.2		1.2	
					Middle	3.9	0.2	94	25.1	25.1	8.3	8.3	28.6	28.6	110.4	110.4	7.7		15.1		16		90				<0.2		1.1	
						3.9	0.3	101	25.1		8.3		28.6		110.3		7.7		15.1		15		91				<0.2		1.0	
					Bottom	6.7	0.4	90	25.0	25.0	8.3	8.3	28.7	28.7	109.1	109.1	7.7	7.7	18.0		16		92				<0.2		1.1	
						6.7	0.4	91	25.0		8.3		28.7		109.0		7.6		17.8		17		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 08 November 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	Rough	13:25	6.9	Surface	1.0	0.6	112	25.0	25.0	8.2	8.2	29.1	29.1	109.5	109.5	7.7	7.7	18.4	19.5	17	19	83	89	822080	808816	<0.2	<0.2	1.1	1.2
						1.0	0.6	112	25.0		8.2		29.1		109.5		7.7		18.4		18		84				<0.2		1.2	
					Middle	3.5	0.5	99	25.0	25.0	8.2	8.2	29.1	29.1	108.4	108.5	7.6		20.4		18		90				<0.2		1.1	
						3.5	0.6	105	25.0		8.2		29.1		108.5		7.6		20.4		18		90				<0.2		1.1	
					Bottom	5.9	0.4	87	25.0	25.0	8.2	8.2	29.1	29.1	107.9	107.9	7.6	7.6	19.8		21		93				<0.2		1.2	
						5.9	0.5	91	25.0		8.2		29.1		107.9		7.6		19.8		20		94				<0.2		1.2	
IM10	Fine	Rough	13:11	7.2	Surface	1.0	0.5	122	25.1	25.1	8.2	8.2	29.7	29.7	109.1	109.2	7.6	7.6	17.4	20.5	21	23	86	90	822399	809799	<0.2	<0.2	1.2	1.2
						1.0	0.6	132	25.1		8.2		29.7		109.2		7.6		17.4		22		87				<0.2		1.2	
					Middle	3.6	0.5	98	25.1	25.1	8.2	8.2	29.7	29.7	107.9	107.9	7.5		20.3		24		89				<0.2		1.2	
						3.6	0.6	105	25.1		8.2		29.7		107.9		7.5		20.3		23		89				<0.2		1.3	
					Bottom	6.2	0.4	77	25.1	25.1	8.2	8.2	29.7	29.7	107.3	107.4	7.5	7.5	23.7		24		94				<0.2		1.1	
						6.2	0.5	82	25.1		8.2		29.7		107.5		7.5		23.7		23		94				<0.2		1.0	
IM11	Fine	Rough	13:01	7.9	Surface	1.0	0.6	129	25.1	25.1	8.1	8.1	29.6	29.6	109.9	109.9	7.7	7.6	12.2	12.8	10	13	84	88	822080	811462	<0.2	<0.2	1.1	1.1
						1.0	0.6	139	25.1		8.1		29.6		109.8		7.7		12.3		11		85				<0.2		1.0	
					Middle	4.0	0.5	109	25.1	25.1	8.1	8.1	29.6	29.6	108.0	108.0	7.5		12.9		12		88				<0.2		1.1	
						4.0	0.6	117	25.1		8.1		29.6		107.9		7.5		12.9		12		89				<0.2		1.2	
					Bottom	6.9	0.4	81	25.1	25.1	8.1	8.1	29.9	29.9	107.7	107.8	7.5	7.5	13.2		16		92				<0.2		1.2	
						6.9	0.5	87	25.1		8.1		29.9		107.8		7.5		13.3		17		92				<0.2		1.2	
IM12	Fine	Rough	12:53	8.2	Surface	1.0	0.6	114	25.1	25.1	8.1	8.1	29.6	29.6	109.6	109.7	7.7	7.7	14.0	17.3	14	17	83	88	821470	812061	<0.2	<0.2	1.2	1.2
						1.0	0.7	118	25.1		8.1		29.6		109.7		7.7		14.0		15		84				<0.2		1.2	
					Middle	4.1	0.6	100	25.1	25.1	8.1	8.1	29.6	29.6	108.7	108.8	7.6		16.1		16		88				<0.2		1.2	
						4.1	0.6	107	25.1		8.1		29.6		108.8		7.6		16.3		17		88				<0.2		1.2	
					Bottom	7.2	0.4	92	25.1	25.1	7.9	7.9	29.7	29.7	108.3	108.3	7.6	7.6	21.8		20		93				<0.2		1.2	
						7.2	0.4	93	25.1		7.9		29.7		108.2		7.5		21.7		19		94				<0.2		1.2	
SR1A	Fine	Moderate	12:35	7.3	Surface	1.0	-	-	25.0	25.0	8.1	8.1	29.4	29.4	108.5	108.4	7.6	7.5	12.3	13.9	7	9	-	-	820074	812582	-	-	-	-
						1.0	-	-	25.0		8.1		29.4		108.3		7.6		12.3		8		-				-		-	
					Middle	3.7	-	-	25.0	25.0	8.1	8.1	29.7	29.7	106.0	106.0	7.4		14.0		9		-				-		-	
						3.7	-	-	25.0		8.1		29.7		106.0		7.4		14.1		8		-				-		-	
					Bottom	6.3	-	-	25.0	25.0	8.1	8.1	29.8	29.8	105.6	105.6	7.4	7.4	15.2		11		-				-		-	
						6.3	-	-	25.0		8.1		29.8		105.5		7.4		15.2		10		-				-		-	
SR2	Fine	Moderate	12:18	4.5	Surface	1.0	0.4	76	25.0	25.0	8.1	8.1	29.4	29.4	108.8	108.8	7.6	7.6	12.5	12.8	11	13	85	89	821474	814165	<0.2	<0.2	1.2	1.2
						1.0	0.4	78	25.0		8.1		29.4		108.8		7.6		12.5		12		86				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.3	82	25.0	25.0	8.1	8.1	29.6	29.6	107.7	107.8	7.5	7.5	13.1		15		93				<0.2		1.1	
						3.5	0.3	87	25.0		8.1		29.6		107.8		7.5		13.2		14		93				<0.2		1.2	
SR3	Fine	Rough	13:57	8.5	Surface	1.0	0.3	132	25.1	25.1	8.3	8.3	28.5	28.5	113.8	113.8	8.0	8.0	13.0	14.2	20	22	-	-	822129	807573	-	-	-	-
						1.0	0.3	138	25.1		8.3		28.5		113.8		8.0		13.0		20		-				-		-	
					Middle	4.3	0.3	109	25.1	25.1	8.3	8.3	28.5	28.5	113.2	113.2	8.0		13.9		21		-				-		-	
						4.3	0.3	111	25.1		8.3		28.5		113.1		7.9		13.9		22		-				-		-	
					Bottom	7.5	0.4	81	25.1	25.1	8.3	8.3	28.5	28.5	111.1	111.1	7.8	7.8	15.7		23		-				-		-	
						7.5	0.4	86	25.1		8.3		28.5		111.0		7.8		15.7		24		-				-		-	
SR4A	Fine	Calm	13:04	8.9	Surface	1.0	0.5	231	25.0	25.0	8.1	8.1	30.7	30.7	107.9	107.9	7.5	7.4	11.3	12.5	11	13	-	-	817191	807824	-	-	-	-
						1.0	0.5	248	25.0		8.1		30.7		107.8		7.5		11.3		12		-				-		-	
					Middle	4.5	0.5	239	25.0	25.0	8.1	8.1	30.9	30.9	105.9	105.9	7.4		12.5		12		-				-		-	
						4.5	0.5	241	25.0		8.1		30.9		105.9		7.3		12.5		13		-				-		-	
					Bottom	7.9	0.5	229	25.0	25.0	8.0	8.0	31.0	31.0	105.4	105.4	7.3	7.3	13.6		13		-				-		-	
						7.9	0.5	235	25.0		8.0		31.0		105.4		7.3		13.6		14		-				-		-	
SR5A	Fine	Calm	12:47	4.2	Surface	1.0	0.2	118	25.0	25.0	8.1	8.1	31.4	31.4	106.2	106.2	7.3	7.3	11.9	12.1	13	14	-	-	816600	810693	-	-	-	-
						1.0	0.2	124	25.0		8.1		31.4		106.2		7.3		11.8		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	24	25.0	25.0	8.1	8.1	31.7	31.6	106.3	106.4	7.3	7.3	12.4		13		-				-		-	
						3.2	0.1	26	25.0		8.1		31.6		106.4		7.3		12.3		14		-				-		-	
SR6	Fine	Calm	12:21	4.5	Surface	1.0	0.0	99	25.1	25.1	8.1	8.1	31.3	31.3	119.7	119.7	8.3	8.3	8.9	8.9	10	11	-	-	817904	814654	-	-	-	-
						1.0	0.0	107	25.1		8.1		31.3		119.6		8.3		8.9		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	135	25.0	25.0	7.9	7.9	31.4	31.4	115.6	115.6	8.0	8.0	8.9		12		-				-		-	
						3.5	0.0	142	25.0		7.9		31.4		115.6		8.0		8.9		11		-				-		-	
SR7	Fine	Moderate	11:42	16.3	Surface	1.0	0.3	74	25.1	25.1	8.0	8.0	30.2	30.2	119.8	119.8	8.3	8.3	8.8	11.1	11	12	-	-	823644	823722	-	-	-	-
						1.0	0.4	75	25.1		8.0		30.2		119.8		8.3		8.8		10		-				-		-	
					Middle	8.2	0.3	77	25.1	25.1	8.0	8.0	30.2	30.2	118.1	118.1	8.2		10.2		10		-				-		-	
						8.2	0.4	79	25.1		8.0		30.2		118.1		8.2		10.3		12		-				-		-	
					Bottom	15.3	0.2	20	25.1	25.1	8.0	8.0	30.3	30.3	116.5	116.6	8.1	8.1	14.1		13		-				-		-	
						15.3	0.3	20	25.1		8.0		30.3		116.6		8.1		14.3		13		-				-		-	
SR8	Fine	Moderate	12:44	4.2	Surface	1.0	-	-	25.0	25.0	8.1	8.1	29.4	29.4	107.0	107.0	7.5	7.5	12.0	13.8	17	17	-	-	820505	811666	-	-	-	-
						1.0	-	-	25.0		8.1		29.4		107.0		7.5		12.0		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	25.0	25.0	8.1	8.1	29.4	29.4	105.3	105.3	7.4	7.4	15.5		18		-				-		-	
						3.2	-	-	25.0		8.1		29.4		105.3		7.4		15.5		18		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
Note: SR8 cannot be accessed due to windy weather. 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 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Fine	Moderate	18:23	7.8	Surface	1.0	0.5	90	25.1	25.1	8.1	8.1	31.1	31.1	108.3	108.3	7.5	7.5	15.5	17.1	19	19	84	89	815634	804244	<0.2	<0.2	0.8	0.9
						1.0	0.5	95	25.1		8.1		31.1		108.3		7.5		15.5		18		85				<0.2		1.0	
					Middle	3.9	0.5	109	25.1	25.1	8.1	8.1	31.1	31.1	107.6	107.6	7.4		16.8		18		90				<0.2		0.9	
						3.9	0.5	121	25.1		8.1		31.1		107.6		7.4		16.9		20		91				<0.2		0.9	
					Bottom	6.8	0.3	104	25.1	25.1	8.1	8.1	31.1	31.1	106.9	106.9	7.4	7.4	18.9		20		93				<0.2		0.9	
						6.8	0.4	106	25.1		8.1		31.1		106.9		7.4		18.9		21		93				<0.2		0.9	
C2	Fine	Moderate	17:15	11.7	Surface	1.0	0.2	316	25.1	25.1	8.2	8.2	28.8	28.8	112.4	112.5	7.9	7.9	10.8	11.6	14	15	85	90	825704	806932	<0.2	<0.2	1.2	1.2
						1.0	0.2	332	25.1		8.2		28.8		112.5		7.9		10.8		13		85				<0.2		1.2	
					Middle	5.9	0.3	29	25.1	25.1	8.1	8.1	28.9	28.9	110.9	111.0	7.8		11.7		16		89				<0.2		1.1	
						5.9	0.3	30	25.1		8.1		28.9		111.0		7.8		11.6		15		90				<0.2		1.2	
					Bottom	10.7	0.4	54	25.0	25.0	8.2	8.2	29.0	29.0	110.2	110.1	7.7	7.7	12.2		16		94				<0.2		1.1	
						10.7	0.4	54	25.0		8.2		29.0		110.0		7.7		12.2		17		95				<0.2		1.2	
C3	Fine	Moderate	19:28	9.8	Surface	1.0	0.3	224	25.1	25.1	8.1	8.1	29.4	29.4	108.2	108.3	7.6	7.5	11.1	12.3	7	9	85	90	822106	817785	<0.2	<0.2	1.2	1.2
						1.0	0.3	246	25.1		8.1		29.4		108.3		7.6		11.1		7		87				<0.2		1.2	
					Middle	4.9	0.3	228	25.0	25.0	8.1	8.1	29.6	29.6	105.9	105.9	7.4		12.9		8		90				<0.2		1.2	
						4.9	0.3	234	25.0		8.1		29.6		105.9		7.4		12.8		8		90				<0.2		1.2	
					Bottom	8.8	0.2	241	25.0	25.0	8.1	8.1	29.7	29.7	105.7	105.7	7.4	7.4	13.2		12		93				<0.2		1.1	
						8.8	0.3	251	25.0		8.1		29.7		105.7		7.4		12.9		12		93				<0.2		1.2	
IM1	Fine	Moderate	18:06	4.6	Surface	1.0	0.1	52	25.1	25.1	8.1	8.1	31.0	31.0	114.6	114.6	7.9	7.9	10.0	10.1	12	13	86	88	817931	807131	<0.2	<0.2	1.0	1.0
						1.0	0.1	54	25.1		8.1		31.0		114.6		7.9		10.0		13		87				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	48	25.1	25.1	8.1	8.1	31.0	31.0	110.5	110.5	7.6	7.6	10.2		13		88				<0.2		0.9	
						3.6	0.0	51	25.1		8.1		31.0		110.4		7.6		10.1		14		89				<0.2		1.0	
IM2	Fine	Moderate	18:00	6.6	Surface	1.0	0.5	88	25.1	25.1	8.1	8.1	30.7	30.7	112.5	112.5	7.8	7.7	11.6	13.3	11	12	85	90	818163	806147	<0.2	<0.2	0.9	0.9
						1.0	0.5	91	25.1		8.1		30.7		112.5		7.8		11.6		11		86				<0.2		1.0	
					Middle	3.3	0.5	0	25.1	25.1	8.1	8.1	30.9	30.9	109.9	110.0	7.6		14.4		12		90				<0.2		1.0	
						3.3	0.5	0	25.1		8.1		30.9		110.0		7.6		14.4		11		90				<0.2		0.9	
					Bottom	5.6	0.4	94	25.1	25.1	8.1	8.1	31.0	31.0	109.5	109.5	7.6	7.6	14.0		13		93				<0.2		0.9	
						5.6	0.4	94	25.1		8.1		31.0		109.5		7.6		14.0		14		93				<0.2		0.9	
IM3	Fine	Moderate	17:52	6.8	Surface	1.0	0.5	44	25.1	25.1	8.1	8.1	30.4	30.4	111.7	111.7	7.8	7.7	13.6	14.1	18	19	85	89	818782	805606	<0.2	<0.2	1.0	1.0
						1.0	0.5	47	25.1		8.1		30.4		111.7		7.8		13.6		18		85				<0.2		1.0	
					Middle	3.4	0.6	38	25.1	25.1	8.1	8.1	30.6	30.6	109.9	109.9	7.6		14.2		19		88				<0.2		1.1	
						3.4	0.6	48	25.1		8.1		30.6		109.9		7.6		14.2		18		89				<0.2		1.0	
					Bottom	5.8	0.3	51	25.1	25.0	8.1	8.1	30.7	30.7	109.1	109.1	7.6	7.6	14.6		20		94				<0.2		0.9	
						5.8	0.4	61	25.0		8.1		30.7		109.1		7.6		14.6		21		95				<0.2		1.0	
IM4	Fine	Moderate	17:43	7.0	Surface	1.0	0.8	90	25.1	25.1	8.1	8.1	29.9	29.9	112.1	112.1	7.8	7.8	16.4	17.1	18	21	84	89	819703	804616	<0.2	<0.2	1.0	1.1
						1.0	0.8	92	25.1		8.1		29.9		112.1		7.8		16.3		18		84				<0.2		1.2	
					Middle	3.5	0.8	26	25.1	25.1	8.1	8.1	29.9	29.9	111.5	111.5	7.8		17.3		20		88				<0.2		1.0	
						3.5	0.8	25	25.1		8.1		29.9		111.5		7.8		17.1		21		89				<0.2		1.1	
					Bottom	6.0	0.6	98	25.1	25.1	8.1	8.1	29.9	29.9	109.6	109.6	7.6	7.6	17.7		24		93				<0.2		1.0	
						6.0	0.7	107	25.1		8.1		29.9		109.5		7.6		17.7		25		93				<0.2		1.1	
IM5	Fine	Moderate	17:37	6.6	Surface	1.0	0.8	15	25.1	25.1	8.1	8.1	29.6	29.6	113.9	113.9	8.0	8.0	14.7	15.8	20	21	86	89	820717	804865	<0.2	<0.2	1.3	1.2
						1.0	0.9	20	25.1		8.1		29.6		113.9		8.0		14.7		20		87				<0.2		1.1	
					Middle	3.3	0.7	13	25.1	25.1	8.1	8.1	29.6	29.6	112.6	112.6	7.9		15.5		21		90				<0.2		1.1	
						3.3	0.8	13	25.1		8.1		29.6		112.6		7.9		15.5		21		90				<0.2		1.1	
					Bottom	5.6	0.6	19	25.1	25.1	8.0	8.0	29.7	29.7	111.3	111.3	7.8	7.8	17.1		22		91				<0.2		1.2	
						5.6	0.6	18	25.1		8.0		29.7		111.2		7.8		17.1		21		91				<0.2		1.1	
IM6	Fine	Moderate	17:30	6.5	Surface	1.0	0.7	20	25.1	25.1	8.1	8.1	29.6	29.6	114.2	114.2	8.0	8.0	13.9	17.0	19	21	84	89	821066	805818	<0.2	<0.2	1.1	1.1
						1.0	0.7	21	25.1		8.1		29.6		114.1		8.0		14.0		19		85				<0.2		1.0	
					Middle	3.3	0.6	16	25.1	25.1	8.1	8.1	29.6	29.6	113.2	113.2	7.9		16.3		21		90				<0.2		1.2	
						3.3	0.6	18	25.1		8.1		29.6		113.2		7.9		16.4		22		91				<0.2		1.2	
					Bottom	5.5	0.5	100	25.1	25.1	8.1	8.1	29.7	29.7	111.9	111.9	7.8	7.8	20.6		23		92				<0.2		1.2	
						5.5	0.5	101	25.1		8.1		29.7		111.9		7.8		20.8		22		93				<0.2		1.1	
IM7	Fine	Moderate	17:16	7.7	Surface	1.0	0.5	54	25.1	25.1	8.1	8.1	30.0	30.0	112.5	112.5	7.8	7.8	9.8	10.7	10	12	89	94	821363	806833	<0.2	<0.2	1.2	1.2
						1.0	0.5	57	25.1		8.1		30.0		112.5		7.8		9.8		11		90				<0.2		1.3	
					Middle	3.9	0.5	50	25.1	25.1	8.1	8.1	30.1	30.1	110.6	110.6	7.7		10.7		12		94				<0.2		1.2	
						3.9	0.5	64	25.1		8.1		30.1		110.6		7.7		10.8		12		94				<0.2		1.2	
					Bottom	6.7	0.3	62	25.0	25.0	8.1	8.1	30.3	30.3	109.7	109.7	7.6	7.6	11.7		14		96				<0.2		1.1	
						6.7	0.3	70	25.0		8.1		30.3		109.7		7.6		11.6		13		98				<0.2		1.4	
IM8	Fine	Moderate	17:41	7.8	Surface	1.0	0.2	259	25.1	25.1	8.2	8.2	28.4	28.4	114.2	114.2	8.0	8.0	15.9	17.0	17	20	85	90	821850	808125	<0.2	<0.2	1.2	1.3
						1.0	0.2	261	25.1		8.2		28.4		114.2		8.0		15.8		17		86				<0.2		1.3	
					Middle	3.9	0.4	271	25.1	25.1	8.2	8.2	28.4	28.4	112.6	112.7	7.9		16.9		20		88				<0.2		1.3	
						3.9	0.4	273	25.1		8.2		28.4		112.7		7.9		16.9		19		90				<0.2		1.4	
					Bottom	6.8	0.4	262	25.1	25.1	8.2	8.2	28.5	28.5	111.6	111.6	7.8	7.8	18.0		23		94				<0.2		1.3	
						6.8	0.5	264	25.1		8.2		28.5		111.5		7.8		18.2		23		95				<0.2		1.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 08 November 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	17:47	7.3	Surface	1.0	0.3	298	25.1	25.1	8.2	8.2	28.6	28.6	112.3	112.3	7.9	7.9	18.8	19.5	21	23	85	89	822080	808825	<0.2	<0.2	1.3	1.3
						1.0	0.3	306	25.1		8.2		28.6		112.3		7.9		18.8		22		86				<0.2		1.2	
					Middle	3.7	0.2	291	25.1	25.1	8.2	8.2	28.7	28.7	111.6	111.6	7.8		19.9		23		88				<0.2		1.2	
						3.7	0.2	299	25.1		8.2		28.7		111.6		7.8		19.9		22		90				<0.2		1.3	
					Bottom	6.3	0.2	276	25.1	25.1	8.2	8.2	28.7	28.7	109.5	109.5	7.7	7.7	19.8		24		92				<0.2		1.3	
						6.3	0.2	277	25.1		8.2		28.7		109.4		7.7		19.7		25		94				<0.2		1.2	
IM10	Fine	Moderate	17:55	8.5	Surface	1.0	0.2	280	25.1	25.1	8.2	8.2	29.1	29.1	111.6	111.7	7.8	7.8	15.2	15.9	19	20	83	89	822402	809796	<0.2	<0.2	1.2	1.3
						1.0	0.2	281	25.1		8.2		29.1		111.7		7.8		15.1		18		85				<0.2		1.4	
					Middle	4.3	0.2	227	25.1	25.1	8.2	8.2	29.3	29.3	110.2	110.2	7.7		16.0		21		90				<0.2		1.2	
						4.3	0.2	228	25.1		8.2		29.3		110.1		7.7		16.1		22		91				<0.2		1.2	
					Bottom	7.5	0.3	316	25.1	25.1	8.2	8.2	29.5	29.5	109.2	109.1	7.6	7.6	16.6		21		92				<0.2		1.3	
						7.5	0.3	334	25.1		8.2		29.5		109.0		7.6		16.5		21		92				<0.2		1.4	
IM11	Fine	Moderate	18:08	8.3	Surface	1.0	0.5	225	25.1	25.1	8.1	8.1	29.4	29.4	113.0	113.0	7.9	7.8	12.4	15.2	13	14	85	89	822075	811443	<0.2	<0.2	1.2	1.2
						1.0	0.5	227	25.1		8.1		29.4		112.9		7.9		12.4		13		86				<0.2		1.2	
					Middle	4.2	0.2	222	25.1	25.1	8.1	8.1	29.6	29.6	110.2	110.3	7.7		15.9		14		89				<0.2		1.2	
						4.2	0.2	228	25.1		8.1		29.6		110.3		7.7		15.8		14		89				<0.2		1.2	
					Bottom	7.3	0.2	220	25.1	25.1	8.1	8.1	29.7	29.7	109.3	109.4	7.6	7.6	17.3		15		93				<0.2		1.3	
						7.3	0.2	226	25.1		8.1		29.7		109.4		7.6		17.3		16		94				<0.2		1.2	
IM12	Fine	Moderate	18:17	9.0	Surface	1.0	0.2	230	25.1	25.1	8.2	8.2	29.7	29.7	114.6	114.6	8.0	8.0	10.9	11.1	14	16	85	89	821480	812054	<0.2	<0.2	1.3	1.3
						1.0	0.3	230	25.1		8.2		29.7		114.6		8.0		10.9		14		85				<0.2		1.2	
					Middle	4.5	0.3	236	25.1	25.1	8.2	8.2	29.7	29.7	113.0	113.0	7.9		10.9		16		89				<0.2		1.3	
						4.5	0.3	237	25.1		8.2		29.7		113.0		7.9		11.0		15		89				<0.2		1.2	
					Bottom	8.0	0.3	221	25.1	25.1	8.2	8.2	29.7	29.7	110.8	110.8	7.7	7.7	11.4		19		94				<0.2		1.2	
						8.0	0.3	240	25.1		8.2		29.7		110.8		7.7		11.4		18		94				<0.2		1.3	
SR1A	Fine	Moderate	18:42	7.0	Surface	1.0	-	-	25.1	25.1	8.1	8.1	29.8	29.8	108.6	108.7	7.6	7.6	15.1	17.8	16	19	-	-	820063	812583	-	-	-	-
						1.0	-	-	25.1		8.1		29.8		108.7		7.6		15.3		17		-				-		-	
					Middle	3.5	-	-	25.1	25.1	8.1	8.1	29.8	29.8	108.2	108.2	7.5		18.0		19		-				-		-	
						3.5	-	-	25.1		8.1		29.8		108.1		7.5		18.0		19		-				-		-	
					Bottom	6.0	-	-	25.1	25.1	8.1	8.1	29.8	29.8	107.3	107.4	7.5	7.5	20.3		22		-				-		-	
						6.0	-	-	25.1		8.1		29.8		107.4		7.5		20.3		22		-				-		-	
SR2	Fine	Moderate	18:58	5.7	Surface	1.0	0.4	232	25.1	25.1	8.1	8.1	29.5	29.5	108.1	108.1	7.6	7.6	11.1	12.9	10	12	85	90	821477	814169	<0.2	<0.2	1.2	1.2
						1.0	0.4	246	25.1		8.1		29.5		108.1		7.5		11.2		10		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.7	0.3	239	25.0	25.0	8.1	8.1	29.7	29.7	105.3	105.3	7.4	7.4	14.5		14		93				<0.2		1.2	
						4.7	0.3	251	25.0		8.1		29.7		105.3		7.4		14.6		15		94				<0.2		1.3	
SR3	Fine	Moderate	17:35	9.1	Surface	1.0	0.5	87	25.1	25.1	8.2	8.2	28.3	28.3	114.4	114.4	8.0	8.0	11.9	15.9	22	24	-	-	822167	807564	-	-	-	-
						1.0	0.6	94	25.1		8.2		28.3		114.3		8.0		12.0		22		-				-		-	
					Middle	4.6	0.5	90	25.1	25.1	8.2	8.2	28.4	28.4	113.4	113.4	8.0		14.6		24		-				-		-	
						4.6	0.5	95	25.1		8.2		28.4		113.3		8.0		14.7		24		-				-		-	
					Bottom	8.1	0.5	95	25.1	25.1	8.1	8.1	28.5	28.5	112.1	112.1	7.9	7.9	21.0		27		-				-		-	
						8.1	0.5	102	25.1		8.1		28.5		112.0		7.9		20.9		26		-				-		-	
SR4A	Fine	Moderate	18:45	8.0	Surface	1.0	0.5	231	25.1	25.1	8.1	8.1	30.8	30.8	107.7	107.7	7.5	7.4	10.1	15.1	10	12	-	-	817206	807827	-	-	-	-
						1.0	0.6	236	25.1		8.1		30.8		107.6		7.5		10.1		11		-				-		-	
					Middle	4.0	0.6	239	25.0	25.0	8.1	8.1	30.9	30.9	104.8	104.8	7.3		12.9		12		-				-		-	
						4.0	0.6	243	25.0		8.1		30.9		104.8		7.3		13.0		11		-				-		-	
					Bottom	7.0	0.5	233	25.0	25.0	8.1	8.1	31.0	31.0	104.7	104.7	7.3	7.3	22.2		15		-				-		-	
						7.0	0.5	233	25.0		8.1		31.0		104.7		7.3		22.2		14		-				-		-	
SR5A	Fine	Calm	19:06	4.8	Surface	1.0	0.4	270	25.0	25.0	8.1	8.1	31.3	31.3	106.5	106.5	7.4	7.4	11.1	13.6	14	15	-	-	816589	810691	-	-	-	-
						1.0	0.4	282	25.0		8.1		31.3		106.4		7.4		11.2		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	289	25.0	25.0	8.1	8.1	31.5	31.5	104.3	104.3	7.2	7.2	15.9		16		-				-		-	
						3.8	0.3	308	25.0		8.1		31.5		104.2		7.2		16.2		16		-				-		-	
SR6	Fine	Calm	19:36	4.1	Surface	1.0	0.2	255	25.0	25.0	8.1	8.1	31.3	31.3	107.3	107.3	7.4	7.4	10.2	10.6	10	11	-	-	817881	814644	-	-	-	-
						1.0	0.2	271	25.0		8.1		31.3		107.2		7.4		10.2		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	241	25.0	25.0	8.1	8.1	31.4	31.4	106.1	106.1	7.3	7.3	11.0		11		-				-		-	
						3.1	0.2	257	25.0		8.1		31.4		106.1		7.3		11.0		12		-				-		-	
SR7	Fine	Moderate	19:54	16.0	Surface	1.0	0.1	69	25.1	25.1	8.1	8.1	29.5	29.5	107.8	107.8	7.5	7.4	11.4	16.6	10	12	-	-	823623	823750	-	-	-	-
						1.0	0.1	73	25.1		8.1		29.5		107.8		7.5		11.5		10		-				-		-	
					Middle	8.0	0.3	72	25.0	25.0	8.1	8.1	29.7	29.7	104.9	104.9	7.3		15.0		12		-				-		-	
						8.0	0.3	74	25.0		8.1		29.7		104.9		7.3		15.1		11		-				-		-	
					Bottom	15.0	0.2	95	25.0	25.0	8.1	8.1	29.7	29.7	104.5	104.5	7.3	7.3	23.0		13		-				-		-	
						15.0	0.2	103	25.0		8.1		29.7		104.4		7.3		23.5		14		-				-		-	
SR8	Fine	Moderate	18:32	4.6	Surface	1.0	-	-	25.1	25.1	8.1	8.1	29.8	29.8	108.2	108.3	7.5	7.5	19.5	18.9	22	23	-	-	820503	811682	-	-	-	-
						1.0	-	-	25.1		8.1		29.8		108.3		7.5		19.4		21		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	25.1	25.1	8.1	8.1	29.8	29.8	108.3	108.4	7.6	7.6	18.2		24		-				-		-	
						3.6	-	-	25.1		8.1		29.8		108.4		7.6		18.3		25		-				-		-	

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: SR8 cannot be accessed due to windy weather. 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 10 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Cloudy	Moderate	14:13	9.1	Surface	1.0	0.1	139	24.8	24.8	8.2	8.2	31.2	31.2	104.9	104.9	7.3	7.2	12.2	17.3	16	19	84	89	815612	804251	<0.2	<0.2	1.0	1.0
						1.0	0.2	141	24.8		8.2		31.2		104.8		7.3		12.2		15		85				<0.2		1.0	
					Middle	4.6	0.1	158	24.8	24.8	8.2	8.2	32.3	32.3	100.8	100.8	7.0		18.0		20		90				<0.2		1.2	
						4.6	0.1	159	24.8		8.2		32.3		100.8		7.0		18.1		21		91				<0.2		1.0	
					Bottom	8.1	0.2	141	24.7	24.7	8.2	8.2	32.5	32.5	100.4	100.4	6.9	6.9	21.7		21		93				<0.2		0.9	
						8.1	0.2	143	24.7		8.2		32.5		100.4		6.9		21.6		20		93				<0.2		1.0	
C2	Cloudy	Moderate	13:00	11.4	Surface	1.0	1.0	166	24.8	24.8	8.2	8.2	29.7	29.7	101.9	101.9	7.1	7.1	15.7	18.8	34	36	83	87	825670	806940	<0.2	<0.2	0.9	0.9
						1.0	1.1	167	24.8		8.2		29.7		101.9		7.1		15.7		37		82				<0.2		0.9	
					Middle	5.7	0.8	160	24.7	24.7	8.2	8.2	29.9	29.9	100.9	100.9	7.1		17.4		36		87				<0.2		1.0	
						5.7	0.8	172	24.7		8.2		29.9		100.9		7.1		17.5		38		86				<0.2		0.9	
					Bottom	10.4	0.4	169	24.7	24.7	8.2	8.2	30.1	30.1	101.0	101.0	7.1	7.1	23.2		34		91				<0.2		0.9	
						10.4	0.4	171	24.7		8.2		30.1		101.0		7.1		23.2		37		91				<0.2		1.0	
C3	Cloudy	Moderate	15:11	12.6	Surface	1.0	0.3	111	24.9	24.9	8.2	8.2	30.7	30.7	106.3	106.2	7.4	7.4	11.5	12.4	10	14	83	87	822118	817823	<0.2	<0.2	0.9	1.0
						1.0	0.3	114	24.9		8.2		30.7		106.0		7.4		11.6		9		84				<0.2		0.9	
					Middle	6.3	0.2	105	24.7	24.7	8.2	8.2	30.7	30.7	104.2	104.3	7.3		12.0		13		87				<0.2		1.0	
						6.3	0.2	114	24.7		8.2		30.7		104.3		7.3		11.9		12		87				<0.2		0.9	
					Bottom	11.6	0.3	54	24.7	24.7	8.2	8.2	30.8	30.8	102.9	103.0	7.2	7.2	13.6		19		91				<0.2		1.0	
						11.6	0.3	55	24.7		8.2		30.8		103.0		7.2		13.6		19		92				<0.2		1.0	
IM1	Cloudy	Moderate	13:53	5.4	Surface	1.0	0.1	134	24.8	24.8	8.2	8.2	30.9	30.9	102.0	102.0	7.1	7.1	17.3	17.7	19	17	86	88	817957	807125	<0.2	<0.2	1.1	1.1
						1.0	0.1	127	24.8		8.2		30.9		101.9		7.1		17.3		18		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.0	139	24.6	24.6	8.2	8.2	31.0	31.0	100.0	100.1	7.0	7.0	18.2		15		88				<0.2		1.0	
						4.4	0.0	112	24.6		8.2		31.0		100.1		7.0		18.1		15		89				<0.2		1.1	
IM2	Cloudy	Moderate	13:45	7.8	Surface	1.0	0.2	170	24.8	24.8	8.2	8.2	30.9	30.9	102.7	102.7	7.2	7.1	17.0	20.4	21	20	85	90	818143	806149	<0.2	<0.2	1.1	1.0
						1.0	0.2	170	24.8		8.2		30.9		102.7		7.1		17.0		22		86				<0.2		1.2	
					Middle	3.9	0.2	163	24.7	24.7	8.2	8.2	31.0	31.0	100.1	100.1	7.0		20.0		21		90				<0.2		1.1	
						3.9	0.2	163	24.7		8.2		31.0		100.0		7.0		20.0		19		90				<0.2		1.1	
					Bottom	6.8	0.2	183	24.6	24.6	8.2	8.2	31.1	31.1	99.9	100.0	7.0	7.0	24.4		19		93				<0.2		0.8	
						6.8	0.2	183	24.6		8.2		31.1		100.0		7.0		24.3		20		94				<0.2		0.8	
IM3	Cloudy	Moderate	13:38	8.1	Surface	1.0	0.3	115	24.8	24.8	8.2	8.2	30.9	30.9	102.9	102.9	7.2	7.1	15.5	18.4	16	17	85	90	818800	805611	<0.2	<0.2	0.8	0.8
						1.0	0.3	115	24.8		8.2		30.9		102.8		7.2		15.5		19		85				<0.2		0.8	
					Middle	4.1	0.2	110	24.7	24.7	8.2	8.2	31.1	31.1	100.1	100.1	7.0		18.4		17		89				<0.2		0.8	
						4.1	0.3	110	24.7		8.2		31.1		100.0		7.0		18.4		17		89				<0.2		0.8	
					Bottom	7.1	0.2	126	24.6	24.6	8.2	8.2	31.5	31.5	99.2	99.3	6.9	6.9	21.5		16		94				<0.2		0.8	
						7.1	0.2	125	24.6		8.2		31.5		99.3		6.9		21.4		15		95				<0.2		0.8	
IM4	Cloudy	Moderate	13:28	8.4	Surface	1.0	0.3	154	24.7	24.7	8.2	8.2	30.8	30.8	101.9	101.9	7.1	7.0	16.7	18.7	20	19	84	89	819718	804617	<0.2	<0.2	0.8	0.8
						1.0	0.3	156	24.7		8.2		30.8		101.8		7.1		16.8		20		85				<0.2		0.8	
					Middle	4.2	0.3	202	24.7	24.7	8.2	8.2	31.0	31.0	99.6	99.6	6.9		18.5		19		88				<0.2		0.8	
						4.2	0.3	207	24.7		8.2		31.0		99.5		6.9		18.7		18		89				<0.2		0.8	
					Bottom	7.4	0.2	207	24.7	24.7	8.2	8.2	31.0	31.0	99.6	99.6	6.9	6.9	20.7		18		93				<0.2		0.9	
						7.4	0.3	207	24.7		8.2		31.0		99.6		6.9		20.9		19		94				<0.2		0.8	
IM5	Cloudy	Moderate	13:18	7.6	Surface	1.0	0.4	207	24.7	24.7	8.2	8.2	31.0	31.0	101.0	101.0	7.0	7.0	16.8	19.4	17	23	86	89	820723	804857	<0.2	<0.2	0.9	0.8
						1.0	0.4	207	24.7		8.2		31.0		101.0		7.0		16.9		18		87				<0.2		0.7	
					Middle	3.8	0.4	200	24.7	24.7	8.2	8.2	31.0	31.0	100.4	100.4	7.0		18.6		19		90				<0.2		0.7	
						3.8	0.5	200	24.7		8.2		31.0		100.4		7.0		18.8		18		90				<0.2		0.9	
					Bottom	6.6	0.3	187	24.7	24.7	8.2	8.2	30.9	30.9	100.2	100.3	7.0	7.0	22.5		33		91				<0.2		0.9	
						6.6	0.3	187	24.7		8.2		30.9		100.3		7.0		22.6		34		91				<0.2		0.8	
IM6	Cloudy	Moderate	13:10	8.0	Surface	1.0	0.3	244	24.8	24.8	8.2	8.2	30.6	30.6	102.6	102.6	7.2	7.2	15.7	18.5	16	23	84	89	821043	805832	<0.2	<0.2	0.8	0.8
						1.0	0.3	226	24.8		8.2		30.6		102.6		7.2		15.8		16		85				<0.2		0.9	
					Middle	4.0	0.3	253	24.8	24.8	8.2	8.2	30.6	30.6	102.3	102.3	7.1		17.4		19		90				<0.2		0.8	
						4.0	0.3	228	24.8		8.2		30.6		102.3		7.1		17.4		20		91				<0.2		0.8	
					Bottom	7.0	0.2	237	24.8	24.8	8.2	8.2	30.6	30.6	102.1	102.1	7.1	7.1	22.4		35		92				<0.2		0.7	
						7.0	0.2	237	24.8		8.2		30.6		102.1		7.1		22.5		31		93				<0.2		0.8	
IM7	Cloudy	Moderate	13:00	9.4	Surface	1.0	0.0	253	24.8	24.8	8.2	8.2	29.7	29.7	102.0	102.0	7.1	7.1	15.9	17.3	20	27	85	89	821343	806819	<0.2	<0.2	1.0	1.0
						1.0	0.0	266	24.8		8.2		29.7		102.0		7.1		15.8		19		86				<0.2		1.0	
					Middle	4.7	0.2	233	24.8	24.8	8.2	8.2	29.7	29.7	101.3	101.3	7.1		16.8		21		89				<0.2		1.0	
						4.7	0.2	235	24.8		8.2		29.7		101.3		7.1		16.7		21		89				<0.2		1.0	
					Bottom	8.4	0.1	264	24.7	24.7	8.2	8.2	30.0	30.0	100.7	100.7	7.1	7.1	19.4		41		93				<0.2		1.0	
						8.4	0.2	268	24.7		8.2		30.0		100.7		7.1		19.3		40		93				<0.2		1.1	
IM8	Cloudy	Moderate	13:31	8.2	Surface	1.0	0.7	176	24.7	24.7	8.2	8.2	31.0	31.0	100.9	101.0	7.0	7.0	18.8	20.9	26	28	84	88	821833	808125	<0.2	<0.2	0.9	0.8
						1.0	0.7	183	24.7		8.2		31.0		101.0		7.0		19.0		26		83				<0.2		0.8	
					Middle	4.1	0.4	170	24.7	24.7	8.2	8.2	31.0	31.0	100.4	100.4	7.0		20.4		22		87				<0.2		0.7	
						4.1	0.4	186	24.7		8.2		31.0		100.4		7.0		20.6		22		88				<0.2		0.8	
					Bottom	7.2	0.3	198	24.7	24.7	8.2	8.2	30.9	30.9	100.2	100.2	7.0	7.0	23.2		34		91				<0.2		0.8	
						7.2	0.3	210	24.7		8.2		30.9		100.2		7.0		23.5		35		92				<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 10 November 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	13:38	7.7	Surface	1.0	0.4	169	24.8	24.8	8.2	8.2	30.7	30.7	102.2	102.2	7.1	7.0	15.9	18.4	15	18	84	87	822102	808793	<0.2	<0.2	0.8	0.8
						1.0	0.4	172	24.8		8.2		30.7		102.1		7.1		16.0		16		83				<0.2		0.8	
					Middle	3.9	0.3	155	24.7	24.7	8.2	8.2	31.0	31.0	99.4	99.4	6.9		18.3		17		87				<0.2		0.8	
						3.9	0.3	158	24.7		8.2		31.0		99.4		6.9		18.2		17		87				<0.2		0.9	
					Bottom	6.7	0.1	103	24.7	24.7	8.2	8.2	31.0	31.0	99.6	99.7	6.9	7.0	20.9		21		91				<0.2		0.8	
						6.7	0.1	109	24.7		8.2		31.0		99.7		7.0		21.0		20		91				<0.2		0.8	
IM10	Cloudy	Moderate	13:49	7.4	Surface	1.0	0.6	143	24.9	24.9	8.2	8.2	30.9	30.9	103.3	103.3	7.2	7.1	14.9	18.7	13	21	84	88	822364	809804	<0.2	<0.2	0.9	0.9
						1.0	0.7	143	24.9		8.2		30.9		103.2		7.2		15.0		14		83				<0.2		1.0	
					Middle	3.7	0.6	148	24.7	24.7	8.2	8.2	31.2	31.2	100.1	100.1	7.0		19.7		15		88				<0.2		0.9	
						3.7	0.6	162	24.7		8.2		31.2		100.0		7.0		19.7		15		88				<0.2		0.8	
					Bottom	6.4	0.5	132	24.6	24.6	8.2	8.2	31.5	31.5	99.3	99.4	6.9	6.9	21.6		34		91				<0.2		0.9	
						6.4	0.5	136	24.6		8.2		31.5		99.4		6.9		21.3		35		91				<0.2		0.9	
IM11	Cloudy	Moderate	14:01	7.8	Surface	1.0	0.6	112	24.8	24.8	8.2	8.2	30.9	30.9	102.3	102.3	7.1	7.1	17.4	20.6	14	23	84	88	822073	811475	<0.2	<0.2	0.8	0.8
						1.0	0.7	115	24.8		8.2		30.9		102.2		7.1		17.4		13		83				<0.2		0.8	
					Middle	3.9	0.5	118	24.7	24.7	8.2	8.2	31.0	31.0	100.0	100.0	7.0		19.9		18		87				<0.2		0.9	
						3.9	0.5	122	24.7		8.2		31.0		100.0		7.0		19.8		18		88				<0.2		0.8	
					Bottom	6.8	0.4	100	24.6	24.6	8.2	8.2	31.1	31.1	99.7	99.8	7.0	7.0	24.6		37		92				<0.2		0.9	
						6.8	0.4	104	24.6		8.2		31.1		99.8		7.0		24.6		36		92				<0.2		0.8	
IM12	Cloudy	Moderate	14:09	8.7	Surface	1.0	0.5	105	24.8	24.8	8.2	8.2	30.9	30.9	102.2	102.2	7.1	7.1	17.4	17.9	20	20	83	87	821458	812036	<0.2	<0.2	0.9	0.9
						1.0	0.5	107	24.8		8.2		30.9		102.2		7.1		17.5		19		83				<0.2		0.9	
					Middle	4.4	0.5	101	24.7	24.7	8.2	8.2	30.9	30.9	101.2	101.2	7.0		17.8		20		86				<0.2		0.9	
						4.4	0.5	108	24.7		8.2		30.9		101.1		7.0		17.9		20		87				<0.2		0.8	
					Bottom	7.7	0.3	92	24.6	24.6	8.2	8.2	31.0	31.0	99.9	100.0	7.0	7.0	18.3		20		91				<0.2		1.0	
						7.7	0.4	98	24.6		8.2		31.0		100.0		7.0		18.3		21		91				<0.2		0.8	
SR1A	Cloudy	Moderate	14:33	7.1	Surface	1.0	-	-	24.8	24.8	8.2	8.2	30.7	30.7	103.7	103.7	7.2	7.2	14.3	16.3	20	22	-	-	820063	812592	-	-	-	-
						1.0	-	-	24.8		8.2		30.7		103.7		7.2		14.4		20		-				-		-	
					Middle	3.6	-	-	24.8	24.8	8.2	8.2	30.7	30.7	103.4	103.4	7.2		16.6		21		-				-		-	
						3.6	-	-	24.8		8.2		30.7		103.3		7.2		16.9		20		-				-		-	
					Bottom	6.1	-	-	24.8	24.8	8.2	8.2	30.7	30.7	102.9	102.9	7.2	7.2	17.8		26		-				-		-	
						6.1	-	-	24.8		8.2		30.7		102.9		7.2		17.6		27		-				-		-	
SR2	Cloudy	Moderate	14:49	4.8	Surface	1.0	0.6	90	24.8	24.8	8.2	8.2	30.7	30.7	103.8	103.8	7.2	7.2	15.1	15.9	12	12	83	85	821448	814150	<0.2	<0.2	0.8	0.9
						1.0	0.6	91	24.8		8.2		30.7		103.8		7.2		15.3		11		84				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	91	24.8	24.8	8.2	8.2	30.7	30.7	103.4	103.5	7.2	7.2	16.6		12		87				<0.2		0.9	
						3.8	0.3	96	24.8		8.2		30.7		103.5		7.2		16.7		11		87				<0.2		0.9	
SR3	Cloudy	Moderate	13:24	9.7	Surface	1.0	0.7	170	24.8	24.8	8.2	8.2	30.6	30.6	102.7	102.7	7.2	7.2	17.4	21.0	38	37	-	-	822168	807593	-	-	-	-
						1.0	0.8	173	24.8		8.2		30.6		102.7		7.2		17.8		40		-				-		-	
					Middle	4.9	0.4	185	24.8	24.8	8.2	8.2	30.6	30.6	102.1	102.1	7.1		20.5		36		-				-		-	
						4.9	0.4	188	24.8		8.2		30.6		102.1		7.1		20.7		36		-				-		-	
					Bottom	8.7	0.3	212	24.7	24.7	8.2	8.2	30.6	30.6	101.8	101.8	7.1	7.1	24.7		37		-				-		-	
						8.7	0.3	212	24.7		8.2		30.6		101.8		7.1		24.7		35		-				-		-	
SR4A	Cloudy	Moderate	14:34	8.6	Surface	1.0	0.2	77	24.8	24.8	8.2	8.2	30.7	30.7	103.5	103.5	7.2	7.2	16.8	17.0	21	18	-	-	817189	807806	-	-	-	-
						1.0	0.3	79	24.8		8.2		30.7		103.5		7.2		16.8		19		-				-		-	
					Middle	4.3	0.2	77	24.8	24.8	8.2	8.2	30.7	30.7	103.2	103.2	7.2		17.6		18		-				-		-	
						4.3	0.2	81	24.8		8.2		30.7		103.2		7.2		16.1		17		-				-		-	
					Bottom	7.6	0.2	58	24.8	24.8	8.2	8.2	30.7	30.7	102.4	102.4	7.1	7.1	17.5		17		-				-		-	
						7.6	0.2	59	24.8		8.2		30.7		102.4		7.1		17.3		16		-				-		-	
SR5A	Cloudy	Moderate	14:50	5.0	Surface	1.0	0.1	20	24.8	24.8	8.2	8.2	30.7	30.7	105.8	105.7	7.4	7.4	10.9	11.9	11	11	-	-	816594	810694	-	-	-	-
						1.0	0.1	21	24.8		8.2		30.7		105.5		7.3		11.0		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	65	24.7	24.7	8.2	8.2	30.8	30.8	103.1	103.1	7.2	7.2	12.8		10		-				-		-	
						4.0	0.0	65	24.7		8.2		30.8		103.1		7.2		12.9		11		-				-		-	
SR6	Cloudy	Moderate	15:20	4.3	Surface	1.0	0.1	90	24.8	24.8	8.3	8.3	30.5	30.5	115.3	115.2	8.0	8.0	10.5	11.0	8	9	-	-	817892	814642	-	-	-	-
						1.0	0.1	96	24.8		8.3		30.5		115.1		8.0		10.5		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	76	24.7	24.7	8.3	8.3	30.6	30.6	109.6	109.5	7.7	7.7	11.5		10		-				-		-	
						3.3	0.1	80	24.7		8.3		30.6		109.3		7.6		11.6		10		-				-		-	
SR7	Cloudy	Moderate	15:37	15.6	Surface	1.0	0.7	87	24.8	24.8	8.3	8.3	30.5	30.5	116.1	116.1	8.1	8.1	10.3	11.4	7	9	-	-	823622	823750	-	-	-	-
						1.0	0.8	89	24.8		8.3		30.5		116.1		8.1		10.3		7		-				-		-	
					Middle	7.8	0.4	90	24.8	24.8	8.3	8.3	30.5	30.5	114.6	114.6	8.0		10.5		9		-				-		-	
						7.8	0.4	90	24.8		8.3		30.5		114.5		8.0		10.6		9		-				-		-	
					Bottom	14.6	0.2	24	24.7	24.7	8.2	8.2	30.6	30.6	108.7	108.7	7.6	7.6	13.3		10		-				-		-	
						14.6	0.2	24	24.7		8.3		30.6		108.7		7.6		13.4		10		-				-		-	
SR8	Cloudy	Moderate	14:25	3.9	Surface	1.0	-	-	24.8	24.8	8.2	8.2	31.2	31.2	105.0	105.0	7.3	7.3	12.1	13.0	21	21	-	-	820491	811649	-	-	-	-
						1.0	-	-	24.8		8.2		31.2		104.9		7.3		12.2		22		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	-	-	24.8	24.8	8.2	8.2	31.8	31.8	103.2	103.3	7.1	7.2	13.9		22		-				-		-	
						2.9	-	-	24.8		8.2		31.8		103.3		7.2		14.0		20		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
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 10 November 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	09:14	8.5	Surface	1.0	0.5	45	24.7	24.7	8.1	8.1	30.6	30.6	101.9	101.9	7.1	7.0	14.5	17.0	16	17	86	89	815614	804223	<0.2	<0.2	1.0	0.9
						1.0	0.6	45	24.7		8.1		30.6		101.8		7.1		14.6		17		85				<0.2		0.8	
					Middle	4.3	0.6	43	24.7	24.7	8.1	8.1	31.8	31.8	99.8	99.8	6.9		16.3		17		90				<0.2		0.8	
						4.3	0.6	43	24.7		8.1		31.8		99.8		6.9		16.2		17		89				<0.2		0.8	
					Bottom	7.5	0.6	36	24.7	24.7	8.2	8.2	32.1	32.1	99.8	99.8	6.9	6.9	20.1		17		90				<0.2		0.9	
						7.5	0.6	37	24.7		8.2		32.1		99.8		6.9		20.1		17		94				<0.2		0.9	
C2	Fine	Moderate	10:31	11.3	Surface	1.0	0.8	177	24.8	24.8	8.2	8.2	29.7	29.7	102.0	102.0	7.2	7.2	14.7	19.4	38	35	87	91	825686	806941	<0.2	<0.2	0.9	1.0
						1.0	0.8	182	24.8		8.2		29.7		102.0		7.2		14.6		36		86				<0.2		1.0	
					Middle	5.7	0.2	180	24.8	24.8	8.2	8.2	29.8	29.8	101.2	101.2	7.1		17.9		34		90				<0.2		1.1	
						5.7	0.3	182	24.8		8.2		29.8		101.2		7.1		18.0		35		91				<0.2		1.0	
					Bottom	10.3	0.1	215	24.7	24.7	8.2	8.2	30.2	30.2	100.5	100.6	7.0	7.0	25.1		35		95				<0.2		1.1	
						10.3	0.1	221	24.7		8.2		30.2		100.6		7.0		26.3		34		94				<0.2		1.0	
C3	Cloudy	Moderate	08:26	10.6	Surface	1.0	0.5	254	24.6	24.6	8.1	8.1	30.7	30.7	101.7	101.7	7.1	7.1	12.3	13.7	11	12	85	89	822104	817801	<0.2	<0.2	1.0	1.0
						1.0	0.5	269	24.6		8.1		30.7		101.7		7.1		12.4		11		85				<0.2		1.0	
					Middle	5.3	0.5	255	24.6	24.6	8.1	8.1	30.7	30.7	101.4	101.4	7.1		13.5		12		89				<0.2		0.9	
						5.3	0.5	259	24.6		8.1		30.7		101.3		7.1		13.6		13		89				<0.2		1.0	
					Bottom	9.6	0.4	271	24.6	24.6	8.1	8.1	30.7	30.7	101.3	101.3	7.1	7.1	15.3		13		93				<0.2		1.0	
						9.6	0.4	292	24.6		8.1		30.7		101.3		7.1		15.2		12		93				<0.2		0.9	
IM1	Fine	Moderate	09:33	5.3	Surface	1.0	0.3	359	24.6	24.6	8.1	8.1	31.1	31.1	101.0	101.0	7.1	7.1	17.6	19.4	22	19	91	93	817951	807131	<0.2	<0.2	1.0	1.0
						1.0	0.3	330	24.6		8.1		31.1		101.0		7.0		17.6		20		92				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.2	14	24.5	24.5	8.2	8.2	31.2	31.2	99.9	99.9	7.0	7.0	21.2		18		94				<0.2		1.0	
						4.3	0.2	15	24.5		8.2		31.2		99.9		7.0		21.1		16		95				<0.2		0.9	
IM2	Fine	Moderate	09:41	7.3	Surface	1.0	0.4	21	24.8	24.8	8.2	8.2	31.0	31.0	102.0	102.0	7.1	7.1	19.4	19.7	17	22	88	92	818180	806175	<0.2	<0.2	1.0	1.0
						1.0	0.4	22	24.8		8.2		31.0		102.0		7.1		19.1		16		88				<0.2		1.0	
					Middle	3.7	0.4	26	24.7	24.7	8.2	8.2	31.0	31.0	101.2	101.2	7.1		17.4		24		91				<0.2		1.0	
						3.7	0.4	27	24.7		8.2		31.0		101.2		7.1		17.8		24		92				<0.2		1.0	
					Bottom	6.3	0.3	27	24.7	24.7	8.1	8.1	31.1	31.1	100.4	100.4	7.0	7.0	22.3		24		95				<0.2		1.0	
						6.3	0.3	27	24.7		8.1		31.1		100.4		7.0		22.3		24		96				<0.2		1.1	
IM3	Fine	Moderate	09:49	7.7	Surface	1.0	0.5	24	24.7	24.7	8.2	8.2	31.1	31.1	101.0	101.0	7.0	7.0	14.6	17.9	21	21	88	93	818790	805584	<0.2	<0.2	1.0	1.0
						1.0	0.5	26	24.7		8.2		31.1		101.0		7.0		14.3		22		89				<0.2		0.9	
					Middle	3.9	0.4	25	24.7	24.7	8.2	8.2	31.1	31.1	100.2	100.2	7.0		16.6		20		92				<0.2		1.0	
						3.9	0.4	27	24.7		8.2		31.1		100.2		7.0		16.6		20		93				<0.2		1.0	
					Bottom	6.7	0.3	14	24.6	24.6	8.2	8.2	31.1	31.1	99.8	99.8	7.0	7.0	22.5		22		98				<0.2		1.0	
						6.7	0.3	15	24.6		8.2		31.1		99.8		7.0		22.6		22		98				<0.2		1.0	
IM4	Fine	Moderate	09:58	7.7	Surface	1.0	0.5	8	24.7	24.7	8.2	8.2	31.0	31.0	101.1	101.1	7.0	7.0	14.3	16.9	27	31	86	91	819728	804594	<0.2	<0.2	1.0	1.0
						1.0	0.5	8	24.7		8.2		31.0		101.0		7.0		14.2		27		87				<0.2		1.0	
					Middle	3.9	0.4	1	24.6	24.6	8.2	8.2	31.0	31.0	100.4	100.4	7.0		15.4		33		90				<0.2		0.9	
						3.9	0.5	1	24.6		8.2		31.0		100.4		7.0		15.6		30		90				<0.2		1.0	
					Bottom	6.7	0.3	1	24.6	24.6	8.2	8.2	31.0	31.0	100.1	100.1	7.0	7.0	20.7		33		95				<0.2		1.0	
						6.7	0.3	1	24.6		8.2		31.0		100.1		7.0		20.8		35		96				<0.2		0.9	
IM5	Fine	Moderate	10:06	6.7	Surface	1.0	0.5	359	24.7	24.7	8.2	8.2	30.7	30.7	101.0	101.0	7.1	7.1	14.8	18.6	24	25	89	91	820745	804854	<0.2	<0.2	0.9	1.0
						1.0	0.5	330	24.7		8.2		30.7		101.0		7.1		14.8		23		89				<0.2		1.0	
					Middle	3.4	0.5	12	24.6	24.6	8.2	8.2	30.8	30.8	100.1	100.1	7.0		18.0		22		90				<0.2		0.9	
						3.4	0.5	12	24.6		8.2		30.8		100.1		7.0		18.4		24		91				<0.2		0.9	
					Bottom	5.7	0.4	14	24.6	24.6	8.2	8.2	31.0	31.0	99.5	99.5	6.9	6.9	22.8		27		94				<0.2		1.0	
						5.7	0.4	14	24.6		8.2		31.0		99.5		6.9		22.8		27		94				<0.2		1.0	
IM6	Fine	Moderate	10:16	7.1	Surface	1.0	0.2	338	24.7	24.7	8.2	8.2	30.5	30.5	102.2	102.2	7.1	7.1	16.2	19.0	16	17	89	92	821074	805849	<0.2	<0.2	0.9	0.9
						1.0	0.3	347	24.7		8.2		30.5		102.2		7.1		16.3		17		88				<0.2		0.9	
					Middle	3.6	0.2	334	24.7	24.7	8.2	8.2	30.5	30.5	102.0	102.0	7.1		19.5		17		92				<0.2		0.9	
						3.6	0.2	342	24.7		8.2		30.5		102.0		7.1		19.8		16		93				<0.2		1.0	
					Bottom	6.1	0.2	358	24.7	24.7	8.2	8.2	30.5	30.5	101.8	101.8	7.1	7.1	21.2		17		95				<0.2		0.9	
						6.1	0.2	329	24.7		8.2		30.5		101.8		7.1		21.1		18		96				<0.2		0.9	
IM7	Fine	Moderate	10:24	8.5	Surface	1.0	0.1	234	24.8	24.8	8.2	8.2	29.7	29.7	101.8	101.8	7.1	7.1	14.9	19.4	18	18	86	92	821359	806854	<0.2	<0.2	0.9	0.9
						1.0	0.1	242	24.8		8.2		29.7		101.7		7.1		14.9		18		88				<0.2		0.9	
					Middle	4.3	0.0	43	24.8	24.8	8.2	8.2	29.8	29.8	101.0	101.0	7.1		18.8		18		91				<0.2		0.9	
						4.3	0.0	45	24.8		8.2		29.8		101.0		7.1		18.9		17		92				<0.2		0.8	
					Bottom	7.5	0.1	63	24.7	24.7	8.2	8.2	29.9	29.9	100.6	100.6	7.1	7.1	24.6		20		96				<0.2		0.8	
						7.5	0.1	63	24.7		8.2		29.9		100.6		7.1		24.3		19		96				<0.2		0.9	
IM8	Fine	Moderate	10:00	7.8	Surface	1.0	0.4	199	24.7	24.7	8.2	8.2	30.7	30.7	101.3	101.3	7.1	7.1	15.7	18.3	17	18	86	90	821819	808143	<0.2	<0.2	0.9	0.9
						1.0	0.4	202	24.7		8.2		30.7		101.2		7.1		15.6		17		86				<0.2		1.0	
					Middle	3.9	0.3	200	24.7	24.7	8.2	8.2	30.8	30.8	100.5	100.5	7.0		17.2		17		91				<0.2		0.8	
						3.9	0.3	205	24.7		8.2		30.8		100.5		7.0		17.1		17		90				<0.2		0.8	
					Bottom	6.8	0.2	221	24.6	24.6	8.2	8.2	30.9	30.9	99.8	99.9	7.0	7.0	22.2		20		94				<0.2		0.9	
						6.8	0.3	237	24.6		8.2		30.9		99.9		7.0		22.1		18		95				<0.2		0.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 10 November 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	09:51	7.6	Surface	1.0	0.3	215	24.7	24.7	8.2	8.2	31.0	31.0	101.2	101.2	7.1	7.1	17.5	19.7	17	22	87	90	822115	808820	<0.2	<0.2	0.8	1.0
						1.0	0.3	226	24.7		8.2		31.0		101.2		7.1		17.5		18		86				<0.2		1.0	
					Middle	3.8	0.2	249	24.7	24.7	8.2	8.2	31.0	31.0	100.5	100.5	7.0		19.2		19		90				<0.2		0.9	
						3.8	0.2	269	24.7		8.2		31.0		100.5		7.0		19.0		18		90				<0.2		1.0	
					Bottom	6.6	0.2	270	24.6	24.6	8.2	8.2	31.0	31.0	100.1	100.2	7.0	7.0	22.6		29		94				<0.2		1.1	
						6.6	0.2	281	24.6		8.2		31.0		100.2		7.0		22.5		28		94				<0.2		1.1	
IM10	Fine	Moderate	09:42	8.1	Surface	1.0	0.1	188	24.7	24.7	8.2	8.2	31.1	31.1	100.8	100.8	7.0	7.0	18.4	21.0	21	27	86	90	822380	809782	<0.2	<0.2	1.0	1.1
						1.0	0.1	206	24.7		8.2		31.1		100.7		7.0		18.6		20		87				<0.2		1.0	
					Middle	4.1	0.1	325	24.7	24.7	8.2	8.2	31.1	31.1	100.3	100.3	7.0		20.2		22		90				<0.2		1.1	
						4.1	0.1	355	24.7		8.2		31.1		100.3		7.0		20.2		25		90				<0.2		1.0	
					Bottom	7.1	0.1	309	24.7	24.7	8.2	8.2	31.1	31.1	99.9	99.9	7.0	7.0	24.2		35		94				<0.2		1.0	
						7.1	0.1	324	24.7		8.2		31.1		99.9		7.0		24.3		36		94				<0.2		1.2	
IM11	Fine	Moderate	09:31	7.8	Surface	1.0	0.1	210	24.7	24.7	8.2	8.2	31.0	31.0	101.8	101.8	7.1	7.1	14.6	16.9	17	23	86	90	822049	811441	<0.2	<0.2	1.2	1.1
						1.0	0.1	214	24.7		8.2		31.0		101.8		7.1		14.6		18		87				<0.2		1.0	
					Middle	3.9	0.1	300	24.7	24.7	8.2	8.2	31.1	31.1	100.6	100.6	7.0		16.7		22		90				<0.2		1.1	
						3.9	0.1	317	24.7		8.2		31.1		100.6		7.0		16.7		22		90				<0.2		1.1	
					Bottom	6.8	0.2	322	24.7	24.7	8.2	8.2	31.1	31.1	100.5	100.5	7.0	7.0	19.6		30		94				<0.2		1.1	
						6.8	0.2	329	24.7		8.2		31.1		100.5		7.0		19.5		31		94				<0.2		1.1	
IM12	Fine	Moderate	09:23	8.9	Surface	1.0	0.1	244	24.6	24.6	8.2	8.2	31.1	31.1	101.2	101.2	7.1	7.1	17.4	19.2	22	24	86	90	821437	812045	<0.2	<0.2	1.0	1.0
						1.0	0.1	252	24.6		8.2		31.1		101.2		7.1		17.5		23		86				<0.2		1.1	
					Middle	4.5	0.2	289	24.6	24.6	8.1	8.1	31.1	31.1	100.3	100.3	7.0		18.0		24		91				<0.2		1.0	
						4.5	0.2	291	24.6		8.1		31.1		100.3		7.0		18.1		25		90				<0.2		1.0	
					Bottom	7.9	0.3	291	24.5	24.5	8.1	8.1	31.2	31.2	99.6	99.6	7.0	7.0	22.2		23		95				<0.2		1.0	
						7.9	0.3	294	24.5		8.1		31.2		99.6		7.0		22.2		24		94				<0.2		1.0	
SR1A	Cloudy	Moderate	08:58	6.9	Surface	1.0	-	-	24.6	24.6	8.1	8.1	30.8	30.8	99.7	99.7	7.0	7.0	13.5	14.6	15	14	-	-	820073	812580	-	-	-	-
						1.0	-	-	24.6		8.1		30.8		99.7		7.0		13.5		14		-				-		-	
					Middle	3.5	-	-	24.6	24.6	8.1	8.1	30.8	30.8	99.4	99.4	6.9		14.1		16		-				-		-	
						3.5	-	-	24.6		8.1		30.8		99.3		6.9		14.1		15		-				-		-	
					Bottom	5.9	-	-	24.5	24.5	8.1	8.1	31.1	31.1	98.7	98.7	6.9	6.9	16.2		14		-				-		-	
						5.9	-	-	24.5		8.1		31.1		98.7		6.9		16.3		12		-				-		-	
SR2	Cloudy	Moderate	08:46	4.8	Surface	1.0	0.1	33	24.6	24.6	8.1	8.1	30.8	30.8	99.7	99.7	7.0	7.0	13.6	13.9	17	17	86	88	821452	814179	<0.2	<0.2	1.0	1.1
						1.0	0.1	34	24.6		8.1		30.8		99.7		7.0		13.7		16		86				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	14	24.6	24.6	8.1	8.1	30.8	30.8	99.4	99.4	7.0	7.0	14.2		16		90				<0.2		1.1	
						3.8	0.1	14	24.6		8.1		30.8		99.4		7.0		14.1		18		90				<0.2		1.0	
SR3	Fine	Moderate	10:09	8.2	Surface	1.0	0.6	180	24.7	24.7	8.2	8.2	30.5	30.5	102.3	102.3	7.1	7.1	14.8	19.5	18	19	-	-	822146	807585	-	-	-	-
						1.0	0.6	196	24.7		8.2		30.5		102.3		7.1		15.0		19		-				-		-	
					Middle	4.1	0.3	235	24.7	24.7	8.2	8.2	30.5	30.5	101.9	101.9	7.1		19.8		19		-				-		-	
						4.1	0.3	240	24.7		8.2		30.5		101.9		7.1		19.8		19		-				-		-	
					Bottom	7.2	0.4	247	24.7	24.7	8.2	8.2	30.5	30.5	101.9	101.9	7.1	7.1	23.7		20		-				-		-	
						7.2	0.4	269	24.7		8.2		30.5		101.9		7.1		23.9		20		-				-		-	
SR4A	Cloudy	Calm	08:51	8.8	Surface	1.0	0.2	73	24.6	24.6	8.1	8.1	30.8	30.8	99.6	99.6	7.0	7.0	13.6	14.9	16	18	-	-	817202	807808	-	-	-	-
						1.0	0.2	74	24.6		8.1		30.8		99.6		7.0		13.6		18		-				-		-	
					Middle	4.4	0.3	75	24.6	24.6	8.1	8.1	30.9	30.9	99.3	99.3	6.9		14.3		17		-				-		-	
						4.4	0.3	81	24.6		8.1		30.9		99.2		6.9		14.3		17		-				-		-	
					Bottom	7.8	0.3	64	24.5	24.5	8.1	8.1	31.2	31.2	98.4	98.4	6.9	6.9	16.9		20		-				-		-	
						7.8	0.3	68	24.5		8.1		31.2		98.4		6.9		17.0		18		-				-		-	
SR5A	Cloudy	Calm	08:34	4.2	Surface	1.0	0.1	317	24.6	24.6	8.1	8.1	30.7	30.7	101.4	101.4	7.1	7.1	13.4	14.5	13	11	-	-	816583	810672	-	-	-	-
						1.0	0.1	340	24.6		8.1		30.7		101.3		7.1		13.3		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	325	24.6	24.6	8.1	8.1	30.7	30.7	101.1	101.1	7.1	7.1	15.7		9		-				-		-	
						3.2	0.1	347	24.6		8.1		30.7		101.1		7.1		15.8		9		-				-		-	
SR6	Cloudy	Calm	08:06	3.8	Surface	1.0	0.1	242	24.6	24.6	8.0	8.0	30.5	30.5	102.8	102.8	7.2	7.2	14.3	14.8	14	17	-	-	817891	814673	-	-	-	-
						1.0	0.1	265	24.6		8.0		30.5		102.8		7.2		14.3		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	238	24.6	24.6	8.0	8.0	30.5	30.5	102.3	102.4	7.2	7.2	15.4		19		-				-		-	
						2.8	0.1	248	24.6		8.0		30.5		102.4		7.2		15.4		19		-				-		-	
SR7	Cloudy	Moderate	08:00	14.8	Surface	1.0	0.1	272	24.6	24.6	8.1	8.1	30.5	30.5	103.3	103.3	7.2	7.2	14.1	14.7	13	16	-	-	823644	823718	-	-	-	-
						1.0	0.1	293	24.6		8.1		30.5		103.3		7.2		14.0		13		-				-		-	
					Middle	7.4	0.1	86	24.6	24.6	8.1	8.1	30.5	30.5	102.9	102.9	7.2		14.3		17		-				-		-	
						7.4	0.1	86	24.6		8.1		30.5		102.9		7.2		14.2		17		-				-		-	
					Bottom	13.8	0.1	90	24.6	24.6	8.0	8.0	30.5	30.5	102.6	102.7	7.2	7.2	14.5		18		-				-		-	
						13.8	0.1	94	24.6		8.0		30.5		102.7		7.2		16.9		18		-				-		-	
SR8	Fine	Moderate	09:13	5.1	Surface	1.0	-	-	24.7	24.7	8.2	8.2	30.4	30.4	101.9	101.9	7.1	7.1	13.7	17.2	17	18	-	-	820485	811676	-	-	-	-
						1.0	-	-	24.7		8.2		30.4		101.8		7.1		13.9		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	24.7	24.7	8.1	8.1	31.8	31.8	99.9	100.0	6.9	6.9	20.5		18		-				-		-	
						4.1	-	-	24.7		8.1		31.8		100.0		6.9		20.5		19		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
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 November 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	03:34	8.1	Surface	1.0	0.1	162	24.9	24.9	8.0	8.0	29.6	29.6	95.5	95.5	6.7	6.7	11.2	12.3	12	10	91	92	815617	804264	<0.2	<0.2	1.4	1.4
						1.0	0.1	163	24.9		8.0		29.6		95.4		6.7		11.2		12		92				<0.2		1.3	
					Middle	4.1	0.2	154	24.9	24.9	8.0	8.0	29.8	29.8	94.6	94.6	6.6		12.1		10		92				<0.2		1.6	
						4.1	0.2	154	24.9		8.0		29.8		94.6		6.6		12.1		9		92				<0.2		1.4	
					Bottom	7.1	0.0	167	24.8	24.8	8.0	8.0	30.5	30.5	94.3	94.4	6.6	6.6	13.5		9		93				<0.2		1.2	
						7.1	0.0	172	24.8		8.0		30.5		94.4		6.6		13.6		7		94				<0.2		1.4	
C2	Cloudy	Moderate	04:54	11.2	Surface	1.0	0.2	150	25.1	25.1	7.9	7.9	25.5	25.5	91.7	91.7	6.6	6.6	14.3	16.0	6	6	86	88	825665	806941	<0.2	<0.2	2.6	2.5
						1.0	0.2	162	25.1		7.9		25.5		91.7		6.6		14.3		5		85				<0.2		2.4	
					Middle	5.6	0.3	212	25.1	25.1	8.0	8.0	28.0	28.0	91.9	91.9	6.5		14.4		4		87				<0.2		2.4	
						5.6	0.3	216	25.1		8.0		28.0		91.9		6.5		14.4		7		87				<0.2		2.5	
					Bottom	10.2	0.2	180	25.1	25.1	8.0	8.0	28.4	28.4	93.2	93.2	6.5	6.5	19.3		6		89				<0.2		2.5	
						10.2	0.3	190	25.1		8.0		28.4		93.2		6.5		19.3		5		91				<0.2		2.6	
C3	Cloudy	Moderate	02:53	11.4	Surface	1.0	0.1	63	25.0	25.0	7.9	7.9	28.3	28.3	94.2	94.2	6.6	6.6	10.2	10.9	9	9	87	89	822113	817825	<0.2	<0.2	1.7	1.7
						1.0	0.1	62	25.0		7.9		28.3		94.2		6.6		10.2		8		88				<0.2		1.6	
					Middle	5.7	0.2	75	25.1	25.1	7.9	7.9	28.6	28.6	93.1	93.1	6.5		10.9		9		89				<0.2		1.5	
						5.7	0.2	90	25.1		7.9		28.6		93.1		6.5		10.9		10		88				<0.2		1.6	
					Bottom	10.4	0.2	65	25.1	25.1	7.9	7.9	29.2	29.2	93.9	93.9	6.6	6.6	11.7		7		91				<0.2		1.9	
						10.4	0.2	76	25.1		7.9		29.2		93.9		6.6		11.7		8		91				<0.2		1.8	
IM1	Cloudy	Moderate	03:52	4.6	Surface	1.0	0.1	177	24.9	24.9	8.0	8.0	30.0	30.0	93.9	93.9	6.6	6.6	15.5	16.2	10	10	86	90	817965	807114	<0.2	<0.2	1.2	1.3
						1.0	0.1	182	24.9		8.0		30.0		93.9		6.6		15.6		10		87				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	167	24.8	24.8	8.0	8.0	30.3	30.3	94.9	95.0	6.6	6.6	16.9		10		93				<0.2		1.3	
						3.6	0.2	171	24.8		8.0		30.3		95.0		6.6		16.9		10		94				<0.2		1.2	
IM2	Cloudy	Moderate	04:00	6.7	Surface	1.0	0.2	165	24.9	24.9	8.1	8.1	29.3	29.3	95.5	95.5	6.7	6.7	11.0	11.4	10	11	86	90	818174	806179	<0.2	<0.2	1.3	1.4
						1.0	0.2	172	24.9		8.1		29.3		95.5		6.7		11.0		9		87				<0.2		1.3	
					Middle	3.4	0.2	290	24.9	24.9	8.1	8.1	29.6	29.6	94.9	94.9	6.6		11.5		9		89				<0.2		1.3	
						3.4	0.2	303	24.9		8.1		29.6		94.9		6.6		11.5		11		91				<0.2		1.4	
					Bottom	5.7	0.1	284	24.9	24.9	8.1	8.1	29.6	29.6	95.2	95.3	6.7	6.7	11.6		14		94				<0.2		1.4	
						5.7	0.2	284	24.9		8.1		29.6		95.3		6.7		11.7		13		95				<0.2		1.5	
IM3	Cloudy	Moderate	04:06	7.0	Surface	1.0	0.2	188	24.9	24.9	8.0	8.0	28.5	28.5	95.7	95.7	6.7	6.7	11.9	14.2	8	9	86	90	818784	805589	<0.2	<0.2	1.8	1.8
						1.0	0.2	192	24.9		8.0		28.5		95.7		6.7		11.9		6		86				<0.2		1.7	
					Middle	3.5	0.1	126	24.9	24.9	8.1	8.1	28.9	28.9	96.0	96.1	6.7		14.1		10		89				<0.2		2.0	
						3.5	0.1	135	24.9		8.1		29.0		96.1		6.7		14.1		11		90				<0.2		1.9	
					Bottom	6.0	0.1	115	24.9	24.9	8.1	8.1	29.1	29.1	96.6	96.6	6.8	6.8	16.5		9		93				<0.2		1.6	
						6.0	0.1	122	24.9		8.1		29.1		96.6		6.8		16.4		10		93				<0.2		2.0	
IM4	Cloudy	Moderate	04:14	6.8	Surface	1.0	0.3	217	25.0	25.0	8.0	8.0	28.4	28.4	95.1	95.1	6.7	6.7	11.6	13.7	12	10	86	90	819729	804599	<0.2	<0.2	1.6	1.6
						1.0	0.4	222	25.0		8.0		28.4		95.1		6.7		11.7		14		87				<0.2		1.5	
					Middle	3.4	0.2	226	24.9	24.9	8.0	8.0	28.9	28.9	95.7	95.7	6.7		14.4		8		90				<0.2		1.5	
						3.4	0.2	237	24.9		8.0		28.9		95.7		6.7		14.5		8		91				<0.2		1.8	
					Bottom	5.8	0.2	240	24.9	24.9	8.0	8.0	29.0	29.0	96.1	96.1	6.7	6.8	15.0		9		92				<0.2		1.7	
						5.8	0.3	222	24.9		8.0		29.0		96.1		6.8		15.0		9		93				<0.2		1.7	
IM5	Cloudy	Moderate	04:20	6.5	Surface	1.0	0.4	251	25.0	25.0	8.0	8.0	28.2	28.2	94.8	94.8	6.7	6.7	10.3	11.9	9	8	86	90	820714	804851	<0.2	<0.2	1.8	1.9
						1.0	0.4	270	25.0		8.0		28.2		94.8		6.7		10.4		7		88				<0.2		1.9	
					Middle	3.3	0.4	233	25.0	25.0	8.0	8.0	28.8	28.8	95.7	95.7	6.7		12.1		6		90				<0.2		2.2	
						3.3	0.4	245	25.0		8.0		28.8		95.7		6.7		12.2		8		91				<0.2		2.0	
					Bottom	5.5	0.1	190	24.9	24.9	8.0	8.0	29.0	29.0	96.3	96.3	6.8	6.8	13.3		8		92				<0.2		1.8	
						5.5	0.1	202	24.9		8.0		29.0		96.3		6.8		13.3		8		92				<0.2		1.9	
IM6	Cloudy	Moderate	04:28	6.3	Surface	1.0	0.5	222	25.0	25.0	8.0	8.0	27.8	27.8	93.1	93.2	6.6	6.6	10.7	11.5	9	11	86	89	821051	805806	<0.2	<0.2	2.0	2.0
						1.0	0.5	232	25.0		8.0		27.8		93.2		6.6		10.8		9		86				<0.2		2.1	
					Middle	3.2	0.3	238	25.0	25.0	8.0	8.0	27.8	27.8	93.8	93.8	6.6		11.4		10		89				<0.2		2.2	
						3.2	0.4	253	25.0		8.0		27.8		93.8		6.6		11.4		12		90				<0.2		1.9	
					Bottom	5.3	0.3	224	25.0	25.0	8.0	8.0	27.8	27.8	94.8	94.9	6.7	6.7	12.3		11		92				<0.2		1.8	
						5.3	0.3	234	25.0		8.0		27.8		94.9		6.7		12.4		12		93				<0.2		1.9	
IM7	Cloudy	Moderate	04:34	7.5	Surface	1.0	0.4	218	25.1	25.1	7.9	7.9	27.6	27.6	93.3	93.3	6.6	6.6	9.6	9.9	10	10	86	90	821328	806820	<0.2	<0.2	2.1	2.1
						1.0	0.5	228	25.1		7.9		27.6		93.3		6.6		9.6		8		87				<0.2		2.1	
					Middle	3.8	0.5	232	25.0	25.0	8.0	8.0	27.7	27.7	93.8	93.8	6.6		9.9		12		90				<0.2		2.0	
						3.8	0.5	241	25.0		8.0		27.7		93.8		6.6		9.9		10		91				<0.2		2.2	
					Bottom	6.5	0.4	248	25.0	25.0	8.0	8.0	27.8	27.8	95.1	95.2	6.7	6.7	10.3		12		93				<0.2		2.2	
						6.5	0.4	251	25.0		8.0		27.8		95.2		6.7		10.3		10		93				<0.2		2.0	
IM8	Cloudy	Moderate	04:17	7.2	Surface	1.0	0.3	136	24.9	24.9	8.1	8.1	27.7	27.7	87.4	87.5	6.2	6.3	13.0	11.4	7	7	86	89	821806	808149	<0.2	<0.2	1.9	2.0
						1.0	0.3	143	24.9		8.1		27.7		87.6		6.2		13.0		7		85				<0.2		2.1	
					Middle	3.6	0.2	148	24.8	24.8	8.1	8.1	29.4	29.4	89.3	89.3	6.3		9.1		7		89				<0.2		2.0	
						3.6	0.2	155	24.8		8.1		29.4		89.3		6.3		9.1		7		90				<0.2		1.9	
					Bottom	6.2	0.2	155	24.8	24.8	8.1	8.1	29.5	29.5	89.7	89.8	6.3	6.3	12.2		7		92				<0.2		2.0	
						6.2	0.2	166	24.8		8.1		29.4		89.8		6.3		12.2		6		92				<0.2		2.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Cloudy	Moderate	04:12	7.2	Surface	1.0	0.3	120	24.7	24.7	8.1	8.1	28.7	28.8	89.2	89.2	6.3	6.3	7.1	9.3	7	7	85	89	822114	808793	<0.2	<0.2	2.2	2.2
						1.0	0.3	128	24.7		8.1		28.8		89.2		6.3		7.5		9		85				<0.2		2.2	
					Middle	3.6	0.3	133	24.8	24.8	8.1	8.1	29.7	29.6	89.0	89.0	6.2		11.0		9		89				<0.2		2.2	
						3.6	0.3	144	24.8		8.1		29.6		88.9		6.2		11.0		8		91				<0.2		2.1	
					Bottom	6.2	0.2	148	24.7	24.7	8.1	8.1	29.1	29.1	88.2	88.1	6.2	6.2	9.9		5		92				<0.2		2.0	
						6.2	0.2	149	24.7		8.1		29.1		88.0		6.2		9.6		5		92				<0.2		2.2	
IM10	Cloudy	Moderate	04:05	7.2	Surface	1.0	0.1	132	24.8	24.8	8.1	8.1	29.2	29.2	86.4	86.3	6.1	5.9	8.8	12.0	7	6	85	89	822381	809780	<0.2	<0.2	2.1	2.0
						1.0	0.1	150	24.8		8.1		29.3		86.2		6.1		9.0		5		86				<0.2		2.0	
					Middle	3.6	0.1	182	24.8	24.8	8.1	8.1	29.8	29.8	82.9	82.3	5.8		10.6		6		90				<0.2		2.0	
						3.6	0.1	185	24.8		8.1		29.8		81.7		5.7		10.7		6		90				<0.2		2.0	
					Bottom	6.2	0.2	166	24.8	24.8	8.1	8.1	29.9	29.9	74.8	74.9	5.2	5.3	16.3		6		92				<0.2		2.1	
						6.2	0.2	176	24.8		8.1		29.9		75.0		5.3		16.3		6		91				<0.2		2.0	
IM11	Cloudy	Moderate	03:56	7.3	Surface	1.0	0.1	133	24.8	24.8	8.1	8.1	28.4	28.4	91.6	91.6	6.5	6.5	10.2	9.3	5	5	85	89	822053	811439	<0.2	<0.2	2.1	2.2
						1.0	0.1	137	24.8		8.1		28.4		91.6		6.5		10.3		7		87				<0.2		2.0	
					Middle	3.7	0.1	133	24.7	24.7	8.1	8.1	28.4	28.4	91.6	91.6	6.5		9.4		4		91				<0.2		2.3	
						3.7	0.1	156	24.7		8.1		28.4		91.6		6.5		9.2		5		89				<0.2		2.2	
					Bottom	6.3	0.1	188	24.8	24.8	8.1	8.1	28.4	28.4	92.0	92.1	6.5	6.5	8.4		4		92				<0.2		2.4	
						6.3	0.1	206	24.8		8.1		28.4		92.1		6.5		8.4		5		92				<0.2		2.2	
IM12	Cloudy	Moderate	03:45	8.7	Surface	1.0	0.0	141	25.0	25.0	8.1	8.1	27.8	27.8	95.3	95.3	6.7	6.7	6.9	7.1	6	7	86	89	821438	812056	<0.2	<0.2	1.5	1.7
						1.0	0.0	143	25.0		8.1		27.8		95.3		6.7		6.9		8		86				<0.2		1.8	
					Middle	4.4	0.1	160	25.1	25.1	8.1	8.1	27.9	27.9	94.1	94.1	6.6		7.8		6		89				<0.2		1.8	
						4.4	0.1	165	25.1		8.1		27.9		94.1		6.6		7.8		8		89				<0.2		1.7	
					Bottom	7.7	0.1	165	25.1	25.1	8.1	8.1	28.0	28.0	94.7	94.7	6.7	6.7	6.6		6		92				<0.2		1.8	
						7.7	0.1	171	25.1		8.1		28.0		94.7		6.7		6.6		8		92				<0.2		1.8	
SR1A	Cloudy	Moderate	03:27	6.8	Surface	1.0	-	-	25.0	25.0	8.0	8.0	28.1	28.1	95.5	95.5	6.7	6.7	9.5	12.8	8	8	-	-	820073	812586	-	-	-	-
						1.0	-	-	25.0		8.0		28.1		95.5		6.7		9.5		7		-				-		-	
					Middle	3.4	-	-	25.1	25.1	8.0	8.0	28.3	28.3	95.5	95.5	6.7		9.9		8		-				-		-	
						3.4	-	-	25.1		8.0		28.3		95.5		6.7		9.9		8		-				-		-	
					Bottom	5.8	-	-	25.1	25.1	8.0	8.0	28.8	28.8	95.1	95.1	6.7	6.7	18.9		7		-				-		-	
						5.8	-	-	25.1		8.0		28.8		95.1		6.7		18.9		9		-				-		-	
SR2	Cloudy	Moderate	03:15	4.1	Surface	1.0	0.1	139	25.0	25.0	7.9	7.9	28.1	28.1	95.5	95.5	6.7	6.7	10.7	11.2	11	10	87	89	821443	814187	<0.2	<0.2	1.7	1.7
						1.0	0.1	141	25.0		7.9		28.1		95.5		6.7		10.7		10		86				<0.2		1.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	116	25.0	25.0	8.0	8.0	28.2	28.2	96.4	96.4	6.8	6.8	11.6		9		91				<0.2		1.6	
						3.1	0.1	117	25.0		8.0		28.2		96.4		6.8		11.6		11		91				<0.2		1.8	
SR3	Cloudy	Moderate	04:34	8.2	Surface	1.0	0.2	181	24.9	24.9	8.1	8.1	26.1	26.1	85.0	85.0	6.1	6.1	6.8	8.4	7	8	-	-	822138	807587	-	-	-	-
						1.0	0.2	185	24.9		8.1		26.2		84.9		6.1		6.9		7		-				-		-	
					Middle	4.1	0.2	218	24.9	24.9	8.1	8.1	26.3	26.3	84.9	84.9	6.1		8.0		9		-				-		-	
						4.1	0.2	219	24.9		8.1		26.3		84.9		6.1		8.1		7		-				-		-	
					Bottom	7.2	0.2	228	24.9	24.9	8.1	8.1	26.4	26.4	85.0	85.0	6.1	6.1	10.2		8		-				-		-	
						7.2	0.2	239	24.9		8.1		26.4		85.0		6.1		10.2		8		-				-		-	
SR4A	Cloudy	Calm	03:15	7.3	Surface	1.0	0.3	61	25.0	25.0	8.0	8.0	30.2	30.2	93.0	93.0	6.5	6.5	14.0	14.6	20	20	-	-	817200	807806	-	-	-	-
						1.0	0.3	65	25.0		8.0		30.2		93.0		6.5		14.1		18		-				-		-	
					Middle	3.7	0.3	54	25.0	25.0	8.0	8.0	30.2	30.2	93.1	93.1	6.5		14.7		20		-				-		-	
						3.7	0.3	55	25.0		8.0		30.2		93.1		6.5		14.7		21		-				-		-	
					Bottom	6.3	0.2	108	25.0	25.0	8.0	8.0	30.2	30.2	94.0	94.1	6.6	6.6	15.1		23		-				-		-	
						6.3	0.2	109	25.0		8.0		30.2		94.1		6.6		15.1		20		-				-		-	
SR5A	Cloudy	Calm	03:00	3.8	Surface	1.0	0.1	146	24.9	24.9	8.0	8.0	30.2	30.2	95.6	95.6	6.7	6.7	12.0	12.0	14	13	-	-	816569	810689	-	-	-	-
						1.0	0.1	151	24.9		8.0		30.2		95.6		6.7		12.0		15		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	77	24.9	24.9	8.0	8.0	30.2	30.2	96.2	96.2	6.7	6.7	12.0		12		-				-		-	
						2.8	0.1	82	24.9		8.0		30.2		96.2		6.7		12.0		12		-				-		-	
SR6	Cloudy	Calm	02:31	3.6	Surface	1.0	0.1	124	24.9	24.9	8.0	8.0	30.3	30.3	95.1	95.1	6.6	6.6	9.5	10.9	8	9	-	-	817916	814639	-	-	-	-
						1.0	0.1	125	24.9		8.0		30.3		95.0		6.6		9.6		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	161	25.0	25.0	8.0	8.0	30.5	30.5	95.5	95.5	6.6	6.6	12.2		10		-				-		-	
						2.6	0.1	165	25.0		8.0		30.5		95.5		6.6		12.2		10		-				-		-	
SR7	Cloudy	Moderate	02:18	16.2	Surface	1.0	0.3	71	25.0	25.0	7.9	7.9	28.8	28.8	94.8	94.9	6.7	6.7	8.9	11.4	9	8	-	-	823612	823743	-	-	-	-
						1.0	0.3	78	25.0		7.9		28.8		95.0		6.7		8.9		9		-				-		-	
					Middle	8.1	0.2	36	25.0	25.0	7.9	7.9	28.9	28.9	94.2	94.3	6.6		9.1		9		-				-		-	
						8.1	0.2	38	25.0		7.9		28.9		94.3		6.6		9.1		8		-				-		-	
					Bottom	15.2	0.1	9	25.0	25.0	7.9	7.9	29.0	29.0	93.4	93.4	6.6	6.6	15.8		8		-				-		-	
						15.2	0.1	9	25.0		7.9		29.0		93.4		6.6		16.5		7		-				-		-	
SR8	Cloudy	Moderate	03:36	4.9	Surface	1.0	-	-	25.1	25.1	8.0	8.0	27.9	27.9	95.5	95.5	6.7	6.7	7.2	7.1	9	9	-	-	820490	811637	-	-	-	-
						1.0	-	-	25.1		8.0		27.9		95.5		6.7		7.2		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	25.1	25.1	8.0	8.0	28.1	28.1	95.9	95.9	6.8	6.8	7.0		8		-				-		-	
						3.9	-	-	25.1		8.0		28.1		95.9		6.8		7.0		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**
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 November 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	11:03	8.2	Surface	1.0	0.0	89	24.9	24.9	8.0	8.0	29.7	29.7	95.1	95.1	6.7	6.6	15.0	16.3	8	12	87	90	815621	804253	<0.2	<0.2	1.4	1.3
						1.0	0.0	94	24.9		8.0		29.7		95.0		6.6		15.2		10		87				<0.2		1.2	
					Middle	4.1	0.1	80	24.8	24.8	8.0	8.0	30.5	30.5	94.0	94.0	6.6		13.3		13		90				<0.2		1.1	
						4.1	0.1	81	24.8		8.0		30.5		94.0		6.6		13.3		13		91				<0.2		1.2	
					Bottom	7.2	0.1	72	24.8	24.8	8.0	8.0	30.9	30.9	94.3	94.3	6.6	6.6	20.6		12		93				<0.2		1.5	
						7.2	0.1	78	24.8		8.0		30.9		94.3		6.6		20.5		13		93				<0.2		1.3	
C2	Cloudy	Moderate	10:00	10.7	Surface	1.0	0.3	181	25.1	25.1	7.9	7.9	25.9	25.9	92.2	92.2	6.6	6.6	5.0	5.6	5	5	87	89	825663	806963	<0.2	<0.2	2.5	2.7
						1.0	0.3	189	25.1		7.9		25.9		92.2		6.6		5.0		6		88				<0.2		2.6	
					Middle	5.4	0.2	277	25.1	25.1	8.0	8.0	28.2	28.2	93.2	93.2	6.5		5.4		5		89				<0.2		2.7	
						5.4	0.2	286	25.1		8.0		28.2		93.2		6.5		5.5		4		90				<0.2		2.7	
					Bottom	9.7	0.3	304	25.1	25.1	8.0	8.0	28.4	28.4	94.6	94.6	6.6	6.6	6.3		4		89				<0.2		2.9	
						9.7	0.3	312	25.1		8.0		28.4		94.6		6.6		6.2		7		92				<0.2		2.9	
C3	Cloudy	Moderate	11:51	11.7	Surface	1.0	0.4	261	25.1	25.1	8.0	8.0	29.1	29.1	94.2	94.2	6.6	6.6	10.1	13.1	6	6	83	87	822093	817788	<0.2	<0.2	1.3	1.3
						1.0	0.5	283	25.1		8.0		29.1		94.2		6.6		10.1		4		84				<0.2		1.3	
					Middle	5.9	0.4	263	25.1	25.1	8.0	8.0	29.7	29.7	94.5	94.5	6.6		14.2		5		86				<0.2		1.3	
						5.9	0.4	266	25.1		8.0		29.7		94.5		6.6		14.2		5		88				<0.2		1.3	
					Bottom	10.7	0.3	259	25.1	25.1	8.1	8.1	29.7	29.7	96.5	96.5	6.7	6.7	15.0		8		91				<0.2		1.4	
						10.7	0.3	263	25.1		8.1		29.7		96.5		6.7		15.0		6		90				<0.2		1.3	
IM1	Cloudy	Calm	10:43	4.7	Surface	1.0	0.1	98	25.0	25.0	8.0	8.0	30.1	30.1	95.0	95.0	6.6	6.6	11.9	12.9	9	9	85	88	817966	807115	<0.2	<0.2	1.2	1.2
						1.0	0.1	98	25.0		8.0		30.1		95.0		6.6		12.1		8		86				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	132	25.0	25.0	8.0	8.0	30.2	30.2	96.0	96.1	6.7	6.7	13.7		8		90				<0.2		1.2	
						3.7	0.1	144	25.0		8.0		30.2		96.1		6.7		13.8		10		90				<0.2		1.2	
IM2	Cloudy	Moderate	10:37	7.2	Surface	1.0	0.2	99	25.0	25.0	8.1	8.1	29.4	29.4	94.8	94.8	6.6	6.6	11.4	14.4	7	8	86	89	818141	806157	<0.2	<0.2	1.6	1.5
						1.0	0.2	107	25.0		8.1		29.4		94.7		6.6		11.5		8		87				<0.2		1.4	
					Middle	3.6	0.1	103	24.8	24.8	8.0	8.0	30.3	30.3	93.7	93.7	6.5		16.0		8		89				<0.2		1.5	
						3.6	0.1	105	24.8		8.0		30.3		93.7		6.5		15.9		8		90				<0.2		1.5	
					Bottom	6.2	0.2	87	24.8	24.8	8.0	8.0	30.6	30.6	95.0	95.1	6.6	6.6	15.9		8		93				<0.2		1.5	
						6.2	0.2	91	24.8		8.0		30.6		95.2		6.6		15.9		9		89				<0.2		1.6	
IM3	Cloudy	Moderate	10:32	6.9	Surface	1.0	0.1	86	25.0	25.0	8.0	8.0	28.8	28.8	95.9	95.9	6.7	6.7	14.6	17.4	5	6	86	90	818786	805603	<0.2	<0.2	1.8	1.8
						1.0	0.1	90	25.0		8.0		28.8		95.9		6.7		14.8		6		87				<0.2		1.8	
					Middle	3.5	0.1	92	24.9	24.9	8.0	8.0	29.1	29.1	95.8	95.8	6.7		18.8		7		90				<0.2		1.7	
						3.5	0.1	94	24.9		8.0		29.1		95.8		6.7		18.9		5		91				<0.2		1.9	
					Bottom	5.9	0.2	66	24.9	24.9	8.0	8.0	29.1	29.1	96.1	96.1	6.7	6.7	18.8		6		93				<0.2		1.8	
						5.9	0.2	69	24.9		8.0		29.1		96.1		6.7		18.7		5		93				<0.2		1.8	
IM4	Cloudy	Moderate	10:21	7.1	Surface	1.0	0.2	68	25.0	25.0	8.0	8.0	28.7	28.7	95.8	95.8	6.7	6.7	12.7	15.7	10	11	87	90	819745	804614	<0.2	<0.2	1.7	1.7
						1.0	0.2	73	25.0		8.0		28.7		95.8		6.7		13.1		12		87				<0.2		1.7	
					Middle	3.6	0.1	342	25.0	25.0	8.0	8.0	28.7	28.7	96.1	96.1	6.7		15.1		13		90				<0.2		1.7	
						3.6	0.1	315	25.0		8.0		28.7		96.1		6.7		15.3		11		91				<0.2		1.6	
					Bottom	6.1	0.1	340	24.9	24.9	8.0	8.0	29.0	29.0	96.5	96.5	6.8	6.8	19.1		9		93				<0.2		1.7	
						6.1	0.1	313	24.9		8.0		29.0		96.5		6.8		19.0		10		93				<0.2		1.7	
IM5	Cloudy	Moderate	10:12	6.6	Surface	1.0	0.1	333	25.0	25.0	8.0	8.0	28.8	28.8	95.5	95.5	6.7	6.7	13.5	16.6	12	12	85	89	820747	804854	<0.2	<0.2	1.6	1.6
						1.0	0.1	358	25.0		8.0		28.8		95.5		6.7		13.6		10		86				<0.2		1.6	
					Middle	3.3	0.2	16	24.9	24.9	8.0	8.0	29.0	29.0	95.7	95.7	6.7		16.6		10		90				<0.2		1.6	
						3.3	0.2	16	24.9		8.0		29.0		95.7		6.7		16.7		11		90				<0.2		1.5	
					Bottom	5.6	0.2	32	24.9	24.9	8.0	8.0	29.1	29.0	96.7	96.7	6.8	6.8	19.4		13		92				<0.2		1.6	
						5.6	0.2	33	24.9		8.0		29.0		96.7		6.8		19.5		14		92				<0.2		1.6	
IM6	Cloudy	Moderate	10:06	6.5	Surface	1.0	0.0	132	25.0	25.0	8.0	8.0	28.1	28.1	94.7	94.7	6.7	6.7	9.2	9.5	10	9	86	90	821051	805838	<0.2	<0.2	1.8	1.9
						1.0	0.0	141	25.0		8.0		28.1		94.7		6.7		9.2		9		87				<0.2		1.8	
					Middle	3.3	0.1	43	25.0	25.0	8.0	8.0	28.2	28.2	95.1	95.2	6.7		9.4		10		90				<0.2		1.8	
						3.3	0.1	45	25.0		8.0		28.2		95.2		6.7		9.5		8		90				<0.2		1.9	
					Bottom	5.5	0.1	36	24.9	24.9	8.0	8.0	28.2	28.2	96.1	96.2	6.8	6.8	9.8		8		92				<0.2		1.8	
						5.5	0.1	37	24.9		8.0		28.2		96.2		6.8		9.8		9		93				<0.2		2.1	
IM7	Cloudy	Moderate	10:00	7.3	Surface	1.0	0.1	251	25.1	25.1	7.9	7.9	27.5	27.5	93.3	93.3	6.6	6.6	9.5	9.8	7	7	90	92	821355	806839	<0.2	<0.2	2.2	2.2
						1.0	0.1	257	25.1		8.0		27.6		93.3		6.6		9.6		6		91				<0.2		2.2	
					Middle	3.7	0.1	70	25.0	25.0	8.0	8.0	27.7	27.7	93.5	93.6	6.6		9.8		8		92				<0.2		2.2	
						3.7	0.1	76	25.0		8.0		27.7		93.6		6.6		9.8		7		92				<0.2		2.1	
					Bottom	6.3	0.1	87	25.0	25.0	8.0	8.0	27.8	27.8	95.0	95.1	6.7	6.7	10.0		8		94				<0.2		2.1	
						6.3	0.1	92	25.0		8.0		27.8		95.1		6.7		10.0		8		94				<0.2		2.2	
IM8	Cloudy	Moderate	10:23	6.7	Surface	1.0	0.1	121	25.1	25.1	8.0	8.0	26.7	26.7	95.5	95.5	6.8	6.9	10.4	13.3	6	7	86	89	821809	808122	<0.2	<0.2	2.1	2.0
						1.0	0.1	127	25.1		8.0		26.7		95.5		6.8		10.3		7		87				<0.2		2.1	
					Middle	3.4	0.1	242	25.1	25.1	8.0	8.0	26.8	26.8	96.9	96.9	6.9		13.6		7		89				<0.2		2.0	
						3.4	0.1	258	25.1		8.0		26.8		96.9		6.9		13.6		7		88				<0.2		2.0	
					Bottom	5.7	0.0	170	25.1	25.1	8.0	8.0	26.9	26.9	99.0	99.0	7.0	7.0	16.0		7		92				<0.2		2.0	
						5.7	0.0	172	25.1		8.0		26.9		99.0		7.0		15.9		5		92				<0.2		2.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 13 November 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	10:28	6.5	Surface	1.0	0.1	65	25.2	25.2	8.0	8.0	27.0	27.0	94.5	94.5	6.7	6.7	15.0	11.6	6	6	86	88	822086	808808	<0.2	<0.2	2.0	2.0
						1.0	0.1	68	25.2		8.0		27.0		94.5		6.7		14.9		6		85				<0.2		1.9	
					Middle	3.3	0.1	38	25.1	25.1	8.0	8.0	27.1	27.1	95.2	95.2	6.7		9.5		8		87				<0.2		1.9	
						3.3	0.2	40	25.1		8.0		27.1		95.2		6.7		9.6		6		87				<0.2		2.0	
					Bottom	5.5	0.1	36	25.1	25.1	8.0	8.0	27.2	27.2	97.1	97.1	6.9	6.9	10.3		5		91				<0.2		1.9	
						5.5	0.1	39	25.1		8.0		27.2		97.1		6.9		10.4		6		91				<0.2		2.0	
IM10	Cloudy	Moderate	10:35	7.4	Surface	1.0	0.1	337	25.2	25.2	8.1	8.1	27.8	27.8	95.8	95.8	6.7	6.8	13.3	11.0	8	7	85	89	822375	809775	<0.2	<0.2	1.6	1.7
						1.0	0.1	343	25.2		8.1		27.8		95.8		6.7		13.3		7		87				<0.2		1.7	
					Middle	3.7	0.1	319	25.1	25.1	8.1	8.1	27.9	27.9	96.7	96.7	6.8		8.4		7		89				<0.2		1.8	
						3.7	0.2	343	25.1		8.1		27.9		96.7		6.8		8.6		7		91				<0.2		1.6	
					Bottom	6.4	0.2	340	25.1	25.1	8.1	8.1	27.9	27.9	100.0	100.0	7.0	7.0	11.2		6		92				<0.2		1.7	
						6.4	0.2	351	25.1		8.1		27.9		100.0		7.0		11.3		5		91				<0.2		1.6	
IM11	Cloudy	Moderate	10:48	7.2	Surface	1.0	0.4	311	25.1	25.1	8.1	8.1	28.2	28.2	96.8	96.8	6.8	6.8	8.3	10.1	8	9	87	90	822035	811469	<0.2	<0.2	1.5	1.5
						1.0	0.4	332	25.1		8.1		28.2		96.8		6.8		8.4		10		87				<0.2		1.5	
					Middle	3.6	0.4	308	25.0	25.0	8.1	8.1	28.4	28.4	97.2	97.2	6.8		9.5		9		89				<0.2		1.5	
						3.6	0.4	309	25.0		8.1		28.4		97.2		6.8		9.6		7		91				<0.2		1.6	
					Bottom	6.2	0.3	320	25.0	25.0	8.2	8.2	28.4	28.4	98.6	98.6	6.9	6.9	12.4		10		93				<0.2		1.4	
						6.2	0.3	322	25.0		8.2		28.4		98.6		6.9		12.4		8		92				<0.2		1.5	
IM12	Cloudy	Moderate	10:55	7.6	Surface	1.0	0.5	291	25.1	25.1	8.1	8.1	28.6	28.6	95.9	95.9	6.7	6.8	16.3	12.2	12	15	87	89	821444	812032	<0.2	<0.2	1.3	1.3
						1.0	0.5	291	25.1		8.1		28.6		95.9		6.7		18.1		12		85				<0.2		1.3	
					Middle	3.8	0.5	298	25.0	25.0	8.1	8.1	28.7	28.7	96.6	96.6	6.8		10.2		12		88				<0.2		1.3	
						3.8	0.5	301	25.0		8.1		28.7		96.6		6.8		10.3		10		88				<0.2		1.2	
					Bottom	6.6	0.4	300	25.0	25.0	8.1	8.1	28.7	28.7	98.5	98.5	6.9	6.9	9.4		21		91				<0.2		1.4	
						6.6	0.4	302	25.0		8.1		28.7		98.5		6.9		9.2		24		92				<0.2		1.4	
SR1A	Cloudy	Moderate	11:13	6.9	Surface	1.0	-	-	25.1	25.1	8.1	8.1	28.2	28.2	97.8	97.8	6.9	6.9	7.1	9.3	5	6	-	-	820067	812584	-	-	-	-
						1.0	-	-	25.1		8.1		28.2		97.8		6.9		7.5		5		-				-		-	
					Middle	3.5	-	-	25.0	25.0	8.1	8.1	28.9	28.9	98.9	98.9	-		11.0		5		-				-		-	
						3.5	-	-	25.0		8.1		28.9		98.9		-		10.9		7		-				-		-	
					Bottom	5.9	-	-	25.1	25.1	8.1	8.1	28.7	28.7	102.1	102.1	7.2	7.2	9.9		6		-				-		-	
						5.9	-	-	25.1		8.1		28.7		102.1		7.2		9.6		5		-				-		-	
SR2	Cloudy	Moderate	11:27	4.3	Surface	1.0	0.0	340	25.1	25.1	8.1	8.1	28.7	28.7	96.3	96.3	6.8	6.8	7.5	7.5	12	11	87	89	821483	814158	<0.2	<0.2	1.3	1.3
						1.0	0.0	313	25.1		8.1		28.7		96.3		6.8		7.6		11		88				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	325	25.1	25.1	8.1	8.1	28.7	28.7	98.2	98.2	6.9	6.9	7.5		11		90				<0.2		1.3	
						3.3	0.1	329	25.1		8.1		28.7		98.2		6.9		7.3		10		91				<0.2		1.3	
SR3	Cloudy	Moderate	10:18	8.2	Surface	1.0	0.1	215	25.2	25.2	7.9	7.9	26.4	26.4	93.9	93.9	6.7	6.7	5.5	7.9	4	5	-	-	822158	807569	-	-	-	-
						1.0	0.1	215	25.2		7.9		26.4		93.9		6.7		5.6		5		-				-		-	
					Middle	4.1	0.3	305	25.1	25.1	7.9	7.9	26.7	26.7	94.3	94.3	6.7		8.6		5		-				-		-	
						4.1	0.3	333	25.1		7.9		26.7		94.3		6.7		8.8		7		-				-		-	
					Bottom	7.2	0.3	325	25.1	25.1	8.0	8.0	26.8	26.8	96.4	96.4	6.8	6.8	9.5		6		-				-		-	
						7.2	0.3	331	25.1		8.0		26.8		96.4		6.8		9.3		5		-				-		-	
SR4A	Cloudy	Calm	11:21	7.9	Surface	1.0	0.2	243	25.2	25.1	8.0	8.0	30.3	30.3	94.4	94.4	6.6	6.6	11.6	12.3	10	12	-	-	817170	807787	-	-	-	-
						1.0	0.2	264	25.1		8.0		30.3		94.4		6.6		11.6		12		-				-		-	
					Middle	4.0	0.1	251	25.1	25.1	8.0	8.0	30.3	30.3	94.6	94.7	6.6		12.4		12		-				-		-	
						4.0	0.1	255	25.1		8.0		30.3		94.7		6.6		12.4		12		-				-		-	
					Bottom	6.9	0.0	257	25.0	25.0	8.0	8.0	30.3	30.3	94.9	94.9	6.6	6.6	12.8		12		-				-		-	
						6.9	0.0	275	25.0		8.0		30.3		94.9		6.6		12.8		13		-				-		-	
SR5A	Cloudy	Calm	11:35	4.3	Surface	1.0	0.1	300	25.1	25.1	8.0	8.0	30.2	30.2	96.5	96.5	6.7	6.7	12.3	12.5	12	11	-	-	816605	810673	-	-	-	-
						1.0	0.1	308	25.1		8.0		30.2		96.5		6.7		12.2		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	307	25.0	25.0	8.0	8.0	30.2	30.2	97.3	97.4	6.8	6.8	12.7		12		-				-		-	
						3.3	0.0	317	25.0		8.0		30.2		97.4		6.8		12.7		10		-				-		-	
SR6	Cloudy	Calm	11:58	4.4	Surface	1.0	0.0	221	25.2	25.2	8.0	8.0	29.7	29.7	97.3	97.3	6.8	6.8	13.9	16.7	6	7	-	-	817919	814684	-	-	-	-
						1.0	0.0	229	25.2		8.0		29.7		97.3		6.8		14.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	237	25.1	25.1	8.0	8.0	30.4	30.4	97.2	97.2	6.7	6.8	19.3		8		-				-		-	
						3.4	0.0	258	25.1		8.0		30.4		97.2		6.8		19.6		7		-				-		-	
SR7	Cloudy	Moderate	12:24	16.6	Surface	1.0	0.0	84	25.3	25.3	8.0	8.0	29.6	29.6	92.9	92.9	6.5	6.5	8.3	7.6	8	7	-	-	823641	823726	-	-	-	-
						1.0	0.0	85	25.3		8.0		29.6		92.9		6.5		8.2		7		-				-		-	
					Middle	8.3	0.4	301	25.0	25.0	8.0	8.0	30.2	30.2	92.5	92.5	6.4		6.8		7		-				-		-	
						8.3	0.4	330	25.0		8.0		30.2		92.5		6.4		6.8		6		-				-		-	
					Bottom	15.6	0.1	250	25.0	25.0	8.0	8.0	30.2	30.2	94.2	94.2	6.6	6.6	7.9		8		-				-		-	
						15.6	0.1	273	25.0		8.0		30.2		94.2		6.6		8.0		6		-				-		-	
SR8	Cloudy	Moderate	11:04	5.3	Surface	1.0	-	-	25.1	25.1	8.1	8.1	28.0	28.0	100.6	100.6	7.1	7.1	8.8	9.8	6	6	-	-	820482	811641	-	-	-	-
						1.0	-	-	25.1		8.1		28.0		100.6		7.1		9.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	25.0	25.0	8.1	8.1	28.2	28.2	104.5	104.5	7.4	7.4	10.6		6		-				-		-	
						4.3	-	-	25.0		8.1		28.2		104.5		7.4		10.7		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 15 November 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	04:51	8.0	Surface	1.0	0.5	211	24.7	24.7	8.0	8.0	29.9	29.9	93.8	93.8	6.6	6.6	9.2	14.7	7	6	86	90	815611	804262	<0.2	<0.2	1.2	1.3
						1.0	0.5	222	24.7		8.0		29.9		93.8		6.6		9.3		8		87				<0.2		1.4	
					Middle	4.0	0.2	200	24.7	24.7	8.0	8.0	30.5	30.5	92.5	92.5	6.5		18.0		6		89				<0.2		1.3	
						4.0	0.2	214	24.7		8.0		30.5		92.4		6.5		18.3		6		90				<0.2		1.2	
					Bottom	7.0	0.1	217	24.7	24.7	8.0	8.0	30.6	30.6	92.9	92.9	6.5	6.5	17.1		6		93				<0.2		1.4	
						7.0	0.1	221	24.7		8.0		30.6		92.8		6.5		16.4		5		92				<0.2		1.4	
C2	Cloudy	Rough	06:40	11.4	Surface	1.0	0.5	177	25.1	25.1	8.0	8.0	26.1	26.1	93.7	93.7	6.7	6.7	7.9	16.5	6	6	87	90	825659	806949	<0.2	<0.2	1.1	1.3
						1.0	0.6	192	25.1		8.0		26.1		93.7		6.7		8.0		7		87				<0.2		1.1	
					Middle	5.7	0.3	167	25.0	25.0	8.0	8.0	26.6	26.6	93.8	93.8	6.7		15.9		6		90				<0.2		1.9	
						5.7	0.3	180	25.0		8.0		26.6		93.8		6.7		16.0		6		91				<0.2		1.4	
					Bottom	10.4	0.1	142	24.7	24.7	8.1	8.1	28.7	28.7	93.1	93.1	6.6	6.6	25.6		6		92				<0.2		1.1	
						10.4	0.1	142	24.7		8.1		28.7		93.1		6.6		25.8		6		92				<0.2		1.1	
C3	Cloudy	Moderate	04:23	10.5	Surface	1.0	0.1	46	24.5	24.5	7.9	7.9	29.0	29.0	93.5	93.5	6.6	6.6	9.4	9.1	12	11	85	89	822088	817821	<0.2	<0.2	1.0	1.0
						1.0	0.1	46	24.5		7.9		29.0		93.4		6.6		9.4		12		86				<0.2		1.0	
					Middle	5.3	0.1	87	24.5	24.5	7.9	7.9	29.0	29.0	93.5	93.5	6.6		8.9		11		89				<0.2		1.0	
						5.3	0.1	92	24.5		7.9		29.0		93.4		6.6		8.8		11		90				<0.2		0.9	
					Bottom	9.5	0.2	70	24.5	24.5	7.9	7.9	29.0	29.0	93.6	93.7	6.6	6.6	9.1		10		92				<0.2		1.0	
						9.5	0.2	71	24.5		7.9		29.0		93.8		6.6		9.2		10		93				<0.2		1.0	
IM1	Cloudy	Moderate	05:16	5.4	Surface	1.0	0.1	227	25.1	25.1	7.9	7.9	26.2	26.2	94.0	94.1	6.7	6.7	6.2	6.7	5	7	86	89	817936	807132	<0.2	<0.2	1.4	1.4
						1.0	0.1	231	25.1		7.9		26.2		94.1		6.7		6.2		5		87				<0.2		1.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-		
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.0	209	25.1	25.1	7.9	7.9	26.5	26.5	93.8	93.8	6.7	6.7	7.4		8		91				<0.2		1.4	
						4.4	0.0	222	25.1		7.9		26.5		93.8		6.7		7.1		8		92				<0.2		1.2	
IM2	Cloudy	Moderate	05:24	6.7	Surface	1.0	0.2	199	25.1	25.1	7.9	7.9	26.2	26.2	93.7	93.7	6.7	6.7	7.7	9.6	9	8	87	90	818181	806155	<0.2	<0.2	1.8	1.6
						1.0	0.2	211	25.1		7.9		26.2		93.6		6.7		7.8		8		87				<0.2		1.9	
					Middle	3.4	0.1	170	25.0	25.0	7.9	7.9	26.7	26.7	93.4	93.5	6.6		10.3		9		90				<0.2		1.5	
						3.4	0.1	181	25.0		7.9		26.8		93.5		6.6		10.4		9		90				<0.2		1.6	
					Bottom	5.7	0.0	152	24.9	24.9	7.9	7.9	27.3	27.3	93.3	93.3	6.6	6.6	10.6		7		92				<0.2		1.5	
						5.7	0.0	160	24.9		7.9		27.3		93.3		6.6		10.5		6		93				<0.2		1.4	
IM3	Cloudy	Moderate	05:32	6.9	Surface	1.0	0.4	210	25.2	25.1	7.9	7.9	26.2	26.2	93.5	93.4	6.6	6.6	6.3	8.1	6	6	86	90	818764	805575	<0.2	<0.2	1.5	1.3
						1.0	0.4	227	25.1		7.9		26.2		93.2		6.6		6.5		6		86				<0.2		1.4	
					Middle	3.5	0.2	224	25.0	25.0	7.9	7.9	26.6	26.6	93.7	93.6	6.7		8.7		6		89				<0.2		1.4	
						3.5	0.2	242	25.0		7.9		26.6		93.5		6.6		8.7		5		90				<0.2		1.4	
					Bottom	5.9	0.1	188	24.9	24.9	8.0	8.0	27.2	27.3	93.0	93.0	6.6	6.6	9.3		6		93				<0.2		1.2	
						5.9	0.1	198	24.9		8.0		27.3		93.0		6.6		9.3		6		93				<0.2		1.1	
IM4	Cloudy	Rough	05:43	7.0	Surface	1.0	0.5	216	25.1	25.1	7.9	7.9	26.2	26.2	93.5	93.6	6.6	6.6	6.1	7.2	6	5	84	87	819745	804615	<0.2	<0.2	1.3	1.3
						1.0	0.5	234	25.1		7.9		26.2		93.6		6.7		6.1		6		84				<0.2		1.2	
					Middle	3.5	0.5	213	25.1	25.1	7.9	7.9	26.4	26.4	93.4	93.5	6.6		7.4		6		86				<0.2		1.2	
						3.5	0.5	230	25.1		8.0		26.5		93.5		6.6		7.7		5		87				<0.2		1.2	
					Bottom	6.0	0.2	227	25.0	25.0	8.0	8.0	26.7	26.7	93.1	93.1	6.6	6.6	7.8		3		91				<0.2		1.3	
						6.0	0.3	239	25.0		8.0		26.7		93.0		6.6		7.8		3		91				<0.2		1.3	
IM5	Cloudy	Rough	05:55	6.5	Surface	1.0	0.4	201	25.2	25.2	7.9	7.9	26.1	26.1	93.6	93.6	6.7	6.7	5.6	7.2	5	5	83	87	820719	804847	<0.2	<0.2	1.4	1.2
						1.0	0.5	208	25.2		7.9		26.1		93.5		6.6		5.8		6		84				<0.2		1.4	
					Middle	3.3	0.4	215	25.0	25.0	8.0	8.0	26.5	26.5	93.6	93.6	6.7		7.8		6		86				<0.2		1.2	
						3.3	0.4	225	25.0		8.0		26.6		93.6		6.7		7.8		5		87				<0.2		1.2	
					Bottom	5.5	0.3	219	25.0	25.0	8.0	8.0	26.9	26.9	93.3	93.4	6.6	6.6	8.1		5		91				<0.2		1.1	
						5.5	0.4	228	25.0		8.0		26.9		93.5		6.6		8.1		4		92				<0.2		1.1	
IM6	Cloudy	Rough	05:59	6.2	Surface	1.0	0.4	221	25.2	25.1	8.0	8.0	26.1	26.1	93.6	93.6	6.7	6.7	5.6	6.6	6	7	86	90	821062	805836	<0.2	<0.2	1.2	1.2
						1.0	0.4	228	25.1		8.0		26.1		93.5		6.6		5.8		5		87				<0.2		1.3	
					Middle	3.1	0.3	215	25.1	25.1	8.0	8.0	26.3	26.3	93.5	93.5	6.7		6.7		6		90				<0.2		1.2	
						3.1	0.3	230	25.1		8.0		26.3		93.5		6.6		6.8		6		91				<0.2		1.2	
					Bottom	5.2	0.2	229	25.0	25.0	8.0	8.0	26.8	26.9	93.5	93.4	6.6	6.6	7.5		8		92				<0.2		1.2	
						5.2	0.2	236	25.0		8.0		26.9		93.2		6.6		7.4		8		93				<0.2		1.1	
IM7	Cloudy	Rough	06:11	7.3	Surface	1.0	0.4	216	25.2	25.2	8.0	8.0	26.1	26.1	93.9	93.8	6.7	6.7	5.2	9.4	5	6	86	90	821367	806828	<0.2	<0.2	1.2	1.3
						1.0	0.4	236	25.2		8.0		26.1		93.7		6.7		5.3		6		87				<0.2		1.3	
					Middle	3.7	0.4	224	25.0	25.0	8.0	8.0	26.7	26.7	93.7	93.8	6.7		9.9		6		89				<0.2		1.3	
						3.7	0.4	230	25.0		8.0		26.7		93.8		6.7		10.0		6		91				<0.2		1.3	
					Bottom	6.3	0.3	244	24.8	24.8	8.1	8.1	28.4	28.4	93.3	93.3	6.6	6.6	12.9		6		93				<0.2		1.3	
						6.3	0.3	267	24.8		8.1		28.4		93.3		6.6		12.9		6		93				<0.2		1.3	
IM8	Cloudy	Moderate	06:10	7.6	Surface	1.0	0.3	202	25.1	25.1	7.9	7.9	26.2	26.2	93.2	93.2	6.6	6.6	6.3	7.7	5	6	86	90	821842	808150	<0.2	<0.2	1.0	1.1
						1.0	0.3	218	25.1		7.9		26.2		93.2		6.6		6.4		5		87				<0.2		1.1	
					Middle	3.8	0.2	195	25.1	25.1	8.0	8.0	26.5	26.5	93.4	93.5	6.6		8.1		6		89				<0.2		1.1	
						3.8	0.2	205	25.1		8.0		26.5		93.6		6.7		8.1		6		90				<0.2		1.1	
					Bottom	6.6	0.1	231	25.0	24.9	8.0	8.0	27.0	27.1	93.5	93.4	6.6	6.6	8.7		6		92				<0.2		1.2	
						6.6	0.1	254	24.9		8.0		27.1		93.3		6.6		8.7		6		93				<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 15 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Cloudy	Moderate	06:04	7.5	Surface	1.0	0.2	180	25.1	25.1	7.9	7.9	26.2	26.2	93.3	93.3	6.6	6.6	7.0	8.4	4	4	87	90	822094	808829	<0.2	<0.2	1.1	1.2
						1.0	0.2	180	25.1		7.9		26.2		93.3		6.6		7.0		4		87				<0.2		1.1	
					Middle	3.8	0.2	155	25.1	25.1	7.9	7.9	26.4	26.4	93.3	93.4	6.6		8.7		4		90				<0.2		1.2	
						3.8	0.2	169	25.1		7.9		26.4		93.4		6.6		8.7		4		90				<0.2		1.2	
					Bottom	6.5	0.0	15	24.9	24.9	8.0	8.0	28.3	28.3	93.3	93.3	6.6	6.6	9.5		5		93				<0.2		1.2	
						6.5	0.0	15	25.0		8.0		28.3		93.3		6.6		9.2		4		94				<0.2		1.2	
IM10	Cloudy	Moderate	05:55	8.2	Surface	1.0	0.2	132	25.2	25.2	7.9	7.9	26.2	26.2	93.8	93.8	6.7	6.7	6.8	9.0	5	5	86	90	822400	809792	<0.2	<0.2	0.9	0.9
						1.0	0.2	142	25.2		7.9		26.2		93.8		6.7		6.9		6		86				<0.2		0.9	
					Middle	4.1	0.2	127	25.1	25.0	7.9	7.9	26.4	26.4	93.8	93.8	6.7		9.2		5		90				<0.2		0.9	
						4.1	0.3	136	25.0		7.9		26.4		93.8		6.7		9.3		5		90				<0.2		0.8	
					Bottom	7.2	0.2	111	24.9	24.9	8.0	8.0	27.5	27.5	93.3	93.3	6.6	6.6	10.9		4		92				<0.2		0.9	
						7.2	0.2	115	24.9		8.0		27.5		93.3		6.6		10.9		4		93				<0.2		0.9	
IM11	Cloudy	Moderate	05:42	7.6	Surface	1.0	0.2	142	25.2	25.1	7.9	7.9	26.2	26.2	93.5	93.5	6.6	6.7	5.1	7.5	5	5	86	90	822055	811446	<0.2	<0.2	1.0	0.9
						1.0	0.2	153	25.1		7.9		26.2		93.5		6.6		5.1		5		87				<0.2		0.9	
					Middle	3.8	0.2	125	25.0	25.0	7.9	7.9	26.7	26.7	93.7	93.8	6.7		8.8		5		90				<0.2		0.9	
						3.8	0.3	132	25.0		7.9		26.7		93.8		6.7		8.8		5		90				<0.2		0.9	
					Bottom	6.6	0.1	117	25.0	25.0	7.9	7.9	27.0	27.0	93.2	93.2	6.6	6.6	8.7		4		92				<0.2		0.9	
						6.6	0.1	123	25.0		7.9		27.0		93.1		6.6		8.7		5		93				<0.2		0.9	
IM12	Cloudy	Moderate	05:30	8.8	Surface	1.0	0.2	98	25.2	25.2	7.9	7.9	26.2	26.2	94.8	94.9	6.7	6.8	5.7	7.9	6	6	86	90	821450	812062	<0.2	<0.2	1.1	1.5
						1.0	0.2	101	25.2		7.9		26.2		94.9		6.7		5.9		5		86				<0.2		1.0	
					Middle	4.4	0.3	110	25.1	25.1	7.9	7.9	26.5	26.5	95.8	95.9	6.8		8.5		5		89				<0.2		2.5	
						4.4	0.3	110	25.1		7.9		26.5		95.9		6.8		8.5		6		90				<0.2		2.6	
					Bottom	7.8	0.1	92	25.0	25.0	7.9	7.9	26.9	26.9	98.6	98.7	7.0	7.0	9.3		6		93				<0.2		1.0	
						7.8	0.1	96	25.0		7.9		26.9		98.7		7.0		9.5		6		93				<0.2		1.0	
SR1A	Cloudy	Moderate	05:06	6.6	Surface	1.0	-	-	24.7	24.7	8.0	8.0	29.9	29.9	93.5	93.5	6.6	6.6	11.5	14.1	4	5	-	-	820065	812590	-	-	-	-
						1.0	-	-	24.7		8.0		29.9		93.4		6.6		11.8		5		-				-		-	
					Middle	3.3	-	-	24.7	24.7	8.0	8.0	30.5	30.5	93.4	93.4	6.5		13.3		5		-				-		-	
						3.3	-	-	24.7		8.0		30.5		93.4		6.5		13.3		5		-				-		-	
					Bottom	5.6	-	-	24.7	24.7	8.0	8.0	30.6	30.6	94.0	94.1	6.6	6.6	17.5		4		-				-		-	
						5.6	-	-	24.7		8.0		30.6		94.2		6.6		17.4		5		-				-		-	
SR2	Cloudy	Moderate	04:50	4.6	Surface	1.0	0.2	87	24.5	24.5	8.0	8.0	29.2	29.2	93.0	93.0	6.6	6.6	8.0	8.2	10	9	86	88	821480	814153	<0.2	<0.2	1.1	1.0
						1.0	0.2	87	24.5		8.0		29.2		93.0		6.6		8.1		9		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	91	24.5	24.5	7.9	7.9	29.2	29.2	93.1	93.1	6.6	6.6	8.3		8		89				<0.2		1.0	
						3.6	0.2	93	24.5		7.9		29.2		93.1		6.6		8.2		9		89				<0.2		1.0	
SR3	Cloudy	Rough	06:18	8.1	Surface	1.0	0.4	187	25.2	25.2	8.0	8.0	26.1	26.1	93.7	93.7	6.7	6.7	6.1	9.0	4	5	-	-	822126	807550	-	-	-	-
						1.0	0.4	195	25.2		8.0		26.1		93.6		6.7		6.2		5		-				-		-	
					Middle	4.1	0.3	208	25.0	25.0	8.0	8.0	26.4	26.4	93.5	93.5	6.7		9.5		5		-				-		-	
						4.1	0.3	226	25.0		8.0		26.4		93.5		6.7		9.7		5		-				-		-	
					Bottom	7.1	0.2	255	24.8	24.8	8.0	8.0	28.7	28.7	92.7	92.7	6.5	6.5	11.3		4		-				-		-	
						7.1	0.2	261	24.8		8.0		28.7		92.7		6.5		11.1		4		-				-		-	
SR4A	Cloudy	Calm	04:30	7.9	Surface	1.0	0.3	254	24.5	24.5	7.9	7.9	29.2	29.2	93.3	93.3	6.6	6.6	8.3	9.1	9	11	-	-	817171	807811	-	-	-	-
						1.0	0.3	265	24.5		7.9		29.2		93.2		6.6		8.3		10		-				-		-	
					Middle	4.0	0.3	259	24.5	24.5	7.9	7.9	29.3	29.3	93.4	93.5	6.6		9.0		11		-				-		-	
						4.0	0.3	268	24.5		7.9		29.3		93.5		6.6		9.1		11		-				-		-	
					Bottom	6.9	0.2	250	24.5	24.5	7.9	7.9	29.3	29.3	94.7	94.8	6.7	6.7	9.9		11		-				-		-	
						6.9	0.2	250	24.5		7.9		29.3		94.8		6.7		9.9		13		-				-		-	
SR5A	Cloudy	Calm	04:15	4.6	Surface	1.0	0.1	324	24.5	24.5	7.9	7.9	29.0	29.0	94.9	95.0	6.7	6.7	8.8	8.5	11	12	-	-	816616	810708	-	-	-	-
						1.0	0.2	350	24.5		7.9		29.0		95.1		6.7		9.0		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	321	24.5	24.5	7.9	7.9	29.0	29.0	98.1	98.1	6.9	6.9	8.0		12		-				-		-	
						3.6	0.1	334	24.5		7.9		29.0		98.1		6.9		8.0		14		-				-		-	
SR6	Cloudy	Calm	03:52	4.4	Surface	1.0	0.1	290	24.6	24.6	7.9	7.9	28.8	28.8	95.8	96.0	6.8	6.8	7.6	9.0	6	7	-	-	817895	814657	-	-	-	-
						1.0	0.1	304	24.6		7.9		28.8		96.1		6.8		7.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	329	24.6	24.6	7.9	7.9	28.9	28.9	99.0	99.5	7.0	7.1	10.3		8		-				-		-	
						3.4	0.1	303	24.6		8.0		28.9		99.9		7.1		10.3		7		-				-		-	
SR7	Cloudy	Moderate	03:46	15.2	Surface	1.0	0.3	71	24.6	24.6	7.9	7.9	28.8	28.8	93.3	93.4	6.6	6.6	9.4	10.6	9	9	-	-	823620	823757	-	-	-	-
						1.0	0.3	77	24.6		7.9		28.8		93.4		6.6		9.4		10		-				-		-	
					Middle	7.6	0.1	322	24.6	24.6	7.9	7.9	28.8	28.8	93.5	93.5	6.6		10.1		9		-				-		-	
						7.6	0.1	324	24.6		7.9		28.8		93.5		6.6		10.1		9		-				-		-	
					Bottom	14.2	0.3	308	24.6	24.6	7.9	7.9	28.8	28.8	93.2	93.2	6.6	6.6	12.4		8		-				-		-	
						14.2	0.3	320	24.6		7.9		28.8		93.2		6.6		12.3		9		-				-		-	
SR8	Cloudy	Moderate	05:17	5.2	Surface	1.0	-	-	24.6	24.6	8.0	8.0	29.9	29.9	94.2	94.2	6.6	6.6	6.7	7.6	7	8	-	-	820487	811642	-	-	-	-
						1.0	-	-	24.6		8.0		29.9		94.1		6.6		6.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	24.7	24.7	8.0	8.0	30.2	30.2	93.9	93.9	6.6	6.6	8.6		9		-				-		-	
						4.2	-	-	24.7		8.0		30.2		93.8		6.6		8.5		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: 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 15 November 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	17:37	8.3	Surface	1.0	0.3	25	24.8	24.8	8.0	8.0	30.3	30.3	94.1	94.1	6.6	6.6	9.1	15.3	4	7	88	91	815642	804237	<0.2	<0.2	1.4	1.4
						1.0	0.3	27	24.8		8.0		30.3		94.0		6.6		9.4		5		88				<0.2		1.5	
					Middle	4.2	0.4	39	24.8	24.8	8.0	8.0	30.6	30.6	93.7	93.7	6.5		13.5		8		91				<0.2		1.3	
						4.2	0.4	41	24.8		8.0		30.6		93.7		6.5		13.8		7		91				<0.2		1.4	
					Bottom	7.3	0.4	36	24.8	24.8	8.0	8.0	30.9	30.9	93.5	93.5	6.5	6.5	22.8		8		92				<0.2		1.3	
						7.3	0.4	39	24.8		8.0		30.9		93.5		6.5		23.0		8		93				<0.2		1.4	
C2	Cloudy	Rough	16:13	11.2	Surface	1.0	0.1	265	25.1	25.1	8.0	8.0	26.1	26.1	93.9	93.9	6.7	6.7	5.9	11.6	8	11	87	90	825663	806946	<0.2	<0.2	0.9	0.9
						1.0	0.1	284	25.1		8.0		26.1		93.8		6.7		6.0		9		88				<0.2		1.0	
					Middle	5.6	0.1	340	24.8	24.8	8.0	8.0	27.8	27.8	93.9	93.9	6.6		11.2		11		90				<0.2		0.9	
						5.6	0.2	345	24.8		8.0		27.8		93.8		6.6		11.3		12		91				<0.2		1.0	
					Bottom	10.2	0.1	295	24.7	24.7	8.1	8.1	28.9	28.9	93.4	93.4	6.6	6.6	17.6		12		92				<0.2		0.8	
						10.2	0.2	320	24.7		8.1		28.9		93.4		6.6		17.5		13		93				<0.2		0.8	
C3	Cloudy	Moderate	18:30	12.6	Surface	1.0	0.4	266	24.5	24.5	7.9	7.9	29.0	29.0	94.7	94.8	6.7	6.8	7.5	9.2	8	7	87	90	822113	817791	<0.2	<0.2	1.3	1.1
						1.0	0.4	288	24.5		7.9		29.0		94.8		6.7		7.6		7		87				<0.2		1.2	
					Middle	6.3	0.3	269	24.5	24.5	7.9	7.9	29.0	29.0	95.5	95.5	6.8		8.7		7		91				<0.2		1.0	
						6.3	0.3	272	24.5		7.9		29.0		95.5		6.8		8.7		7		91				<0.2		1.0	
					Bottom	11.6	0.2	287	24.5	24.5	7.9	7.9	29.0	29.0	96.6	96.6	6.8	6.8	11.2		7		92				<0.2		0.9	
						11.6	0.2	299	24.5		7.9		29.0		96.6		6.8		11.3		7		93				<0.2		0.9	
IM1	Cloudy	Moderate	17:18	4.8	Surface	1.0	0.1	24	24.7	24.7	8.0	8.0	29.9	29.9	94.8	94.8	6.6	6.6	9.0	9.5	6	6	86	88	817955	807147	<0.2	<0.2	1.1	1.2
						1.0	0.1	25	24.7		8.0		29.9		94.8		6.6		9.0		5		87				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	11	24.7	24.7	8.0	8.0	29.9	29.9	94.5	94.5	6.6	6.6	9.9		5		89				<0.2		1.3	
						3.8	0.1	11	24.7		8.0		29.9		94.5		6.6		9.9		6		90				<0.2		1.1	
IM2	Cloudy	Rough	17:13	7.1	Surface	1.0	0.1	320	24.6	24.6	8.0	8.0	29.6	29.6	94.9	94.9	6.7	6.7	7.1	8.5	7	7	86	90	818163	806173	<0.2	<0.2	1.0	1.1
						1.0	0.1	329	24.6		8.0		29.7		94.9		6.7		7.2		7		87				<0.2		1.0	
					Middle	3.6	0.1	0	24.6	24.6	8.0	8.0	29.8	29.8	94.3	94.3	6.6		8.9		8		90				<0.2		1.1	
						3.6	0.2	0	24.6		8.0		29.8		94.3		6.6		9.0		7		90				<0.2		1.0	
					Bottom	6.1	0.1	69	24.6	24.6	8.0	8.0	29.8	29.8	95.1	95.2	6.7	6.7	9.4		6		93				<0.2		1.1	
						6.1	0.1	72	24.6		8.0		29.8		95.2		6.7		9.5		6		93				<0.2		1.2	
IM3	Cloudy	Rough	17:04	6.2	Surface	1.0	0.3	10	24.6	24.6	8.0	8.0	29.4	29.4	95.7	95.7	6.7	6.7	6.9	8.5	6	7	86	90	818769	805597	<0.2	<0.2	1.1	1.2
						1.0	0.3	10	24.6		8.0		29.4		95.6		6.7		6.9		6		87				<0.2		1.2	
					Middle	3.1	0.2	31	24.6	24.6	8.0	8.0	29.5	29.6	94.1	94.1	6.6		9.1		7		89				<0.2		1.2	
						3.1	0.2	31	24.6		8.0		29.6		94.1		6.6		9.2		7		90				<0.2		1.2	
					Bottom	5.2	0.2	44	24.6	24.6	8.0	8.0	29.8	29.8	94.9	94.9	6.7	6.7	9.5		8		92				<0.2		1.1	
						5.2	0.3	45	24.6		8.0		29.8		94.8		6.7		9.4		7		93				<0.2		1.1	
IM4	Cloudy	Rough	16:56	6.5	Surface	1.0	0.3	331	24.7	24.7	8.0	8.0	28.9	28.9	97.2	97.1	6.9	6.8	6.0	6.8	5	6	86	90	819715	804608	<0.2	<0.2	1.1	1.4
						1.0	0.3	336	24.7		8.0		28.9		97.0		6.8		6.0		6		87				<0.2		1.2	
					Middle	3.3	0.4	35	24.6	24.6	8.0	8.0	29.0	29.0	96.4	96.4	6.8		7.0		6		89				<0.2		1.5	
						3.3	0.4	35	24.6		8.0		29.0		96.3		6.8		7.0		5		90				<0.2		1.5	
					Bottom	5.5	0.2	20	24.6	24.6	8.0	8.0	29.1	29.1	96.6	96.6	6.8	6.8	7.5		6		92				<0.2		1.6	
						5.5	0.3	21	24.6		8.0		29.1		96.6		6.8		7.5		7		93				<0.2		1.4	
IM5	Cloudy	Rough	16:47	6.8	Surface	1.0	0.3	332	24.7	24.7	8.1	8.1	28.9	28.9	96.5	96.5	6.8	6.8	6.3	11.0	6	6	86	90	820746	804877	<0.2	<0.2	1.5	1.5
						1.0	0.3	332	24.7		8.1		28.9		96.5		6.8		6.3		6		87				<0.2		1.5	
					Middle	3.4	0.3	350	24.7	24.7	8.1	8.1	29.2	29.2	95.5	95.5	6.7		8.2		6		90				<0.2		1.4	
						3.4	0.3	322	24.7		8.1		29.2		95.5		6.7		8.3		6		91				<0.2		1.5	
					Bottom	5.8	0.2	329	24.6	24.6	8.1	8.1	29.2	29.2	95.2	95.3	6.7	6.7	18.3		6		92				<0.2		1.4	
						5.8	0.2	349	24.6		8.1		29.2		95.3		6.7		18.6		6		92				<0.2		1.4	
IM6	Cloudy	Rough	16:40	6.9	Surface	1.0	0.2	347	25.1	25.1	7.9	7.9	26.5	26.5	95.2	95.2	6.8	6.8	7.9	13.9	6	7	86	90	821080	805841	<0.2	<0.2	1.1	1.4
						1.0	0.2	358	25.1		7.9		26.5		95.2		6.8		7.9		6		87				<0.2		1.0	
					Middle	3.5	0.2	359	24.8	24.8	8.0	8.0	28.3	28.2	94.5	94.6	6.7		17.7		6		90				<0.2		1.5	
						3.5	0.2	330	24.8		8.0		28.2		94.6		6.7		17.6		6		91				<0.2		1.6	
					Bottom	5.9	0.3	4	24.7	24.7	8.0	8.0	29.2	29.2	94.7	94.7	6.7	6.7	16.2		8		92				<0.2		1.6	
						5.9	0.3	4	24.7		8.0		29.2		94.6		6.7		16.1		8		93				<0.2		1.6	
IM7	Cloudy	Rough	16:19	7.3	Surface	1.0	0.1	221	25.1	25.1	8.0	8.0	26.1	26.1	94.0	94.0	6.7	6.7	5.5	6.9	5	5	87	90	821348	806815	<0.2	<0.2	1.1	1.1
						1.0	0.1	241	25.1		8.0		26.1		93.9		6.7		5.5		5		88				<0.2		1.1	
					Middle	3.7	0.1	287	25.1	25.0	8.0	8.0	26.5	26.5	94.2	94.2	6.7		7.0		4		89				<0.2		0.9	
						3.7	0.1	309	25.0		8.0		26.6		94.1		6.7		7.1		5		90				<0.2		1.0	
					Bottom	6.3	0.1	292	24.8	24.8	8.1	8.1	28.0	28.0	93.6	93.6	6.6	6.6	8.0		4		93				<0.2		1.2	
						6.3	0.1	314	24.8		8.1		28.0		93.5		6.6		8.0		6		93				<0.2		1.0	
IM8	Cloudy	Rough	16:44	8.0	Surface	1.0	0.1	190	24.7	24.7	8.1	8.1	29.1	29.1	96.6	96.5	6.8	6.8	6.4	7.2	5	5	86	90	821825	808126	<0.2	<0.2	1.1	1.0
						1.0	0.1	198	24.7		8.1		29.1		96.4		6.8		6.4		4		87				<0.2		1.1	
					Middle	4.0	0.1	130	24.6	24.6	8.1	8.1	29.2	29.2	96.6	96.6	6.8		7.6		6		90				<0.2		0.9	
						4.0	0.1	137	24.6		8.1		29.2		96.6		6.8		7.5		5		91				<0.2		1.0	
					Bottom	7.0	0.1	226	24.6	24.6	8.1	8.1	29.2	29.2	97.4	97.5	6.9	6.9	7.7		6		93				<0.2		1.0	
						7.0	0.2	244	24.6		8.1		29.2		97.6		6.9		7.7		5		93				<0.2		1.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 15 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
IM9	Cloudy	Rough	16:50	7.5	Surface	1.0	0.1	43	24.7	24.7	8.0	8.0	29.0	29.0	97.7	97.8	6.9	6.9	5.7	6.9	7	5	86	90	822071	808826	<0.2	<0.2	0.9	0.9
						1.0	0.1	43	24.7		8.0		29.0		97.8		6.9		5.8		6		87				<0.2		0.8	
					Middle	3.8	0.1	40	24.7	24.7	8.0	8.0	29.0	29.0	97.9	98.0	6.9		6.7		5		91				<0.2		1.0	
						3.8	0.1	42	24.7		8.0		29.0		98.0		6.9		6.8		5		91				<0.2		0.9	
					Bottom	6.5	0.0	102	24.7	24.7	8.0	8.0	29.1	29.1	98.9	98.9	7.0	7.0	8.1		4		91				<0.2		1.0	
						6.5	0.0	110	24.7		8.0		29.1		98.9		7.0		8.2		4		93				<0.2		1.0	
IM10	Cloudy	Rough	17:00	7.3	Surface	1.0	0.4	312	24.6	24.6	8.0	8.0	29.4	29.4	96.0	96.0	6.8	6.8	6.9	9.2	5	6	86	90	822378	809810	<0.2	<0.2	1.0	1.0
						1.0	0.4	316	24.6		8.0		29.4		95.9		6.8		7.0		6		87				<0.2		1.0	
					Middle	3.7	0.4	322	24.6	24.6	8.0	8.0	29.5	29.5	95.7	95.7	6.7		8.1		5		89				<0.2		0.9	
						3.7	0.4	334	24.6		8.0		29.5		95.6		6.7		8.1		5		90				<0.2		0.9	
					Bottom	6.3	0.3	327	24.6	24.6	8.0	8.0	29.8	29.8	96.3	96.4	6.8	6.8	12.5		6		93				<0.2		0.9	
						6.3	0.3	346	24.6		8.0		29.8		96.5		6.8		12.5		6		93				<0.2		1.0	
IM11	Cloudy	Rough	17:13	7.7	Surface	1.0	0.5	300	24.6	24.6	8.0	8.0	29.6	29.6	95.3	95.3	6.7	6.7	9.8	10.9	7	7	87	90	822045	811441	<0.2	<0.2	1.0	0.9
						1.0	0.5	327	24.6		8.0		29.6		95.2		6.7		9.6		6		87				<0.2		0.9	
					Middle	3.9	0.4	290	24.6	24.6	8.0	8.0	29.8	29.8	95.1	95.1	6.7		10.1		6		89				<0.2		0.9	
						3.9	0.4	311	24.6		8.0		29.8		95.1		6.7		10.4		6		91				<0.2		0.9	
					Bottom	6.7	0.2	297	24.6	24.6	8.0	8.0	29.8	29.8	97.5	97.7	6.9	6.9	12.5		7		93				<0.2		0.9	
						6.7	0.2	303	24.6		8.0		29.8		97.9		6.9		12.9		7		93				<0.2		0.9	
IM12	Cloudy	Rough	17:24	8.6	Surface	1.0	0.4	265	24.7	24.7	8.0	8.0	29.9	29.9	95.0	95.0	6.7	6.7	10.6	11.0	6	5	86	90	821447	812069	<0.2	<0.2	1.3	1.0
						1.0	0.5	279	24.7		8.0		29.9		95.0		6.7		10.6		6		87				<0.2		1.5	
					Middle	4.3	0.3	282	24.7	24.7	8.0	8.0	30.0	30.0	95.1	95.2	6.7		11.7		5		89				<0.2		0.7	
						4.3	0.3	285	24.7		8.0		30.0		95.2		6.7		11.8		5		90				<0.2		0.7	
					Bottom	7.6	0.1	265	24.7	24.7	8.0	8.0	30.0	30.0	95.4	96.4	6.7	6.8	10.7		5		92				<0.2		0.8	
						7.6	0.2	289	24.7		8.0		30.0		97.4		6.8		10.8		5		93				<0.2		0.8	
SR1A	Cloudy	Moderate	17:46	7.2	Surface	1.0	-	-	24.8	24.8	8.0	8.0	30.2	30.2	95.4	95.4	6.7	6.7	7.2	9.3	5	6	-	-	820070	812588	-	-	-	-
						1.0	-	-	24.8		8.0		30.2		95.3		6.7		7.2		6		-				-		-	
					Middle	3.6	-	-	24.8	24.8	8.0	8.0	30.6	30.6	95.1	95.1	6.6		9.6		5		-				-		-	
						3.6	-	-	24.8		8.0		30.6		95.1		6.6		9.7		6		-				-		-	
					Bottom	6.2	-	-	24.8	24.8	8.0	8.0	30.8	30.8	96.3	96.4	6.7	6.7	11.2		5		-				-		-	
						6.2	-	-	24.8		8.0		30.8		96.5		6.7		11.0		6		-				-		-	
SR2	Cloudy	Moderate	18:02	4.6	Surface	1.0	0.3	315	24.6	24.6	7.9	7.9	29.3	29.3	96.0	96.1	6.8	6.8	6.2	6.3	6	6	87	88	821484	814149	<0.2	<0.2	0.9	0.8
						1.0	0.3	321	24.6		7.9		29.3		96.2		6.8		6.2		6		87				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	310	24.6	24.6	8.0	8.0	29.4	29.4	99.1	99.2	7.0	7.0	6.3		6		89				<0.2		0.9	
						3.6	0.1	316	24.6		8.0		29.4		99.2		7.0		6.3		6		90				<0.2		0.7	
SR3	Cloudy	Rough	16:35	9.6	Surface	1.0	0.1	236	25.0	25.0	7.9	7.9	26.6	26.6	95.6	95.7	6.8	6.8	10.7	16.5	11	10	-	-	822125	807583	-	-	-	-
						1.0	0.1	255	25.0		7.9		26.6		95.7		6.8		10.9		11		-				-		-	
					Middle	4.8	0.1	312	24.7	24.7	8.0	8.0	29.2	29.2	95.8	95.8	6.8		15.9		10		-				-		-	
						4.8	0.1	339	24.7		8.0		29.2		95.7		6.7		15.9		10		-				-		-	
					Bottom	8.6	0.1	190	24.7	24.7	8.0	8.0	29.3	29.3	97.6	97.6	6.9	6.9	22.8		10		-				-		-	
						8.6	0.1	196	24.7		8.0		29.3		97.6		6.9		22.7		10		-				-		-	
SR4A	Cloudy	Calm	17:56	8.6	Surface	1.0	0.0	342	24.5	24.5	8.0	8.0	29.3	29.3	93.6	93.7	6.6	6.6	6.4	6.9	7	8	-	-	817177	807788	-	-	-	-
						1.0	0.0	315	24.5		8.0		29.3		93.7		6.6		6.3		8		-				-		-	
					Middle	4.3	0.2	76	24.7	24.7	8.0	8.0	29.6	29.6	93.6	93.7	6.6		7.0		8		-				-		-	
						4.3	0.2	77	24.7		8.0		29.6		93.7		6.6		7.1		9		-				-		-	
					Bottom	7.6	0.2	65	24.7	24.7	8.0	8.0	29.9	29.9	94.3	94.4	6.6	6.6	7.3		8		-				-		-	
						7.6	0.2	71	24.7		8.0		29.9		94.4		6.6		7.1		8		-				-		-	
SR5A	Cloudy	Calm	18:11	4.2	Surface	1.0	0.1	241	24.5	24.5	7.9	7.9	29.0	29.0	94.3	94.3	6.7	6.7	7.0	7.1	8	8	-	-	816600	810683	-	-	-	-
						1.0	0.1	260	24.5		7.9		29.0		94.2		6.7		7.0		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	279	24.5	24.5	7.9	7.9	29.0	29.0	94.4	94.5	6.7	6.7	7.1		9		-				-		-	
						3.2	0.1	283	24.5		7.9		29.0		94.5		6.7		7.1		8		-				-		-	
SR6	Cloudy	Calm	18:54	4.3	Surface	1.0	0.1	60	24.6	24.6	8.0	8.0	28.8	28.8	94.8	94.9	6.7	6.7	7.3	8.0	6	8	-	-	817909	814647	-	-	-	-
						1.0	0.1	65	24.6		8.0		28.8		94.9		6.7		7.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	158	24.6	24.6	8.0	8.0	28.8	28.8	95.1	95.2	6.7	6.7	8.6		8		-				-		-	
						3.3	0.0	160	24.6		8.0		28.8		95.2		6.7		8.8		8		-				-		-	
SR7	Cloudy	Moderate	19:08	15.7	Surface	1.0	0.1	342	24.6	24.6	7.9	7.9	28.8	28.8	95.9	95.9	6.8	6.8	5.2	8.7	6	7	-	-	823651	823760	-	-	-	-
						1.0	0.1	359	24.6		7.9		28.8		95.9		6.8		5.5		7		-				-		-	
					Middle	7.9	0.1	98	24.6	24.6	7.9	7.9	28.8	28.8	96.5	96.5	6.8		7.1		6		-				-		-	
						7.9	0.1	106	24.6		7.9		28.8		96.5		6.8		6.9		6		-				-		-	
					Bottom	14.7	0.1	90	24.6	24.6	7.9	7.9	28.8	28.8	97.3	97.5	6.9	6.9	13.5		8		-				-		-	
						14.7	0.1	98	24.6		7.9		28.8		97.7		6.9		13.7		7		-				-		-	
SR8	Cloudy	Moderate	17:36	4.3	Surface	1.0	-	-	24.7	24.7	8.0	8.0	29.9	29.9	96.4	96.4	6.8	6.8	8.1	8.4	6	7	-	-	820246	811418	-	-	-	-
						1.0	-	-	24.7		8.0		29.9		96.4		6.8		8.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	24.7	24.7	8.0	8.0	29.9	29.9	96.9	97.0	6.8	6.8	8.6		7		-				-		-	
						3.3	-	-	24.7		8.1		29.9		97.0		6.8		8.6		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 November 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	21:28	8.0	Surface	1.0	0.6	176	24.6	24.6	7.9	7.9	25.8	25.8	93.5	93.6	6.7	6.7	4.3	5.0	3	4	87	90	815619	804230	<0.2	<0.2	2.8	2.7
						1.0	0.6	184	24.6		7.9		25.8		93.6		6.7		4.3		4		87				<0.2		2.6	
					Middle	4.0	0.3	216	24.6	24.6	7.9	7.9	29.0	29.0	94.3	94.4	6.7		5.1		3		90				<0.2		2.9	
						4.0	0.3	230	24.6		7.9		29.0		94.4		6.7		5.2		3		91				<0.2		2.8	
					Bottom	7.0	0.2	213	24.6	24.6	7.9	7.9	29.3	29.3	94.4	94.4	6.7	6.7	5.6		5		93				<0.2		2.5	
						7.0	0.2	227	24.6		7.9		29.3		94.4		6.7		5.6		3		93				<0.2		2.5	
C2	Cloudy	Rough	22:57	11.2	Surface	1.0	0.5	170	24.8	24.8	7.9	7.9	23.8	23.9	90.1	90.2	6.5	6.5	4.2	4.5	4	3	88	90	825672	806921	<0.2	<0.2	2.6	2.7
						1.0	0.5	172	24.8		7.9		23.9		90.3		6.5		4.2		2		88				<0.2		2.7	
					Middle	5.6	0.3	164	24.9	24.8	7.9	7.9	24.9	24.9	90.2	90.3	6.5		4.3		2		90				<0.2		2.5	
						5.6	0.3	172	24.8		7.9		24.8		90.4		6.5		4.6		4		91				<0.2		2.7	
					Bottom	10.2	0.1	144	24.7	24.7	8.0	8.0	29.7	29.7	90.2	90.2	6.3	6.3	4.6		3		93				<0.2		2.7	
						10.2	0.1	145	24.7		8.0		29.7		90.1		6.3		5.2		3		92				<0.2		2.9	
C3	Cloudy	Moderate	20:59	12.5	Surface	1.0	0.1	54	24.7	24.7	7.8	7.8	29.9	29.9	91.3	91.4	6.4	6.4	9.9	9.1	4	5	87	90	822097	817817	<0.2	<0.2	2.4	2.6
						1.0	0.1	56	24.7		7.8		29.9		91.4		6.4		9.8		5		88				<0.2		2.4	
					Middle	6.3	0.1	80	24.7	24.7	7.8	7.8	30.2	30.2	91.7	91.7	6.4		8.7		4		89				<0.2		2.7	
						6.3	0.1	80	24.7		7.8		30.2		91.6		6.4		8.6		5		90				<0.2		2.6	
					Bottom	11.5	0.2	76	24.8	24.8	7.8	7.8	30.2	30.2	91.9	92.0	6.4	6.4	8.7		4		92				<0.2		2.7	
						11.5	0.2	76	24.8		7.8		30.2		92.0		6.4		8.6		5		93				<0.2		2.7	
IM1	Cloudy	Moderate	21:49	4.4	Surface	1.0	0.1	205	24.7	24.7	7.9	7.9	28.4	28.4	93.1	93.1	6.6	6.6	6.2	6.3	6	5	86	88	817927	807142	<0.2	<0.2	3.2	3.3
						1.0	0.1	220	24.7		7.9		28.5		93.1		6.6		6.2		5		86				<0.2		3.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	180	24.7	24.7	7.9	7.9	29.6	29.6	93.2	93.3	6.5	6.6	6.4		4		89				<0.2		3.3	
						3.4	0.1	184	24.7		7.9		29.6		93.3		6.6		6.4		3		90				<0.2		3.4	
IM2	Cloudy	Moderate	21:56	6.8	Surface	1.0	0.4	229	24.7	24.7	7.9	7.9	26.6	26.6	92.6	92.6	6.6	6.6	5.4	5.7	6	6	86	90	818168	806186	<0.2	<0.2	3.4	3.4
						1.0	0.4	251	24.7		7.9		26.6		92.6		6.6		5.5		7		87				<0.2		3.3	
					Middle	3.4	0.2	228	24.8	24.8	8.0	8.0	29.1	29.1	92.2	92.2	6.5		5.7		5		90				<0.2		3.5	
						3.4	0.2	237	24.8		8.0		29.1		92.1		6.5		5.7		6		91				<0.2		3.1	
					Bottom	5.8	0.1	271	24.8	24.8	8.0	8.0	30.4	30.4	92.2	92.2	6.4	6.4	5.8		6		92				<0.2		3.5	
						5.8	0.1	281	24.8		8.0		30.4		92.2		6.4		5.8		6		93				<0.2		3.5	
IM3	Cloudy	Moderate	22:03	6.7	Surface	1.0	0.4	205	24.7	24.7	7.9	7.9	26.4	26.4	92.6	92.7	6.6	6.6	6.6	6.5	5	6	82	86	818762	805604	<0.2	<0.2	1.9	2.9
						1.0	0.4	220	24.7		7.9		26.4		92.7		6.6		6.6		5		83				<0.2		2.0	
					Middle	3.4	0.4	210	24.8	24.8	7.9	7.9	27.8	27.8	92.7	92.7	6.6		6.3		6		86				<0.2		3.4	
						3.4	0.4	224	24.8		7.9		27.8		92.7		6.6		6.3		6		86				<0.2		3.3	
					Bottom	5.7	0.3	192	24.7	24.7	7.9	7.9	29.3	29.3	92.7	92.7	6.5	6.5	6.6		6		90				<0.2		3.5	
						5.7	0.3	204	24.7		7.9		29.3		92.6		6.5		6.5		6		91				<0.2		3.4	
IM4	Cloudy	Moderate	22:14	7.0	Surface	1.0	0.6	167	24.7	24.7	7.8	7.8	22.0	22.0	90.4	90.5	6.6	6.6	6.2	7.2	6	7	83	87	819732	804617	<0.2	<0.2	3.6	3.5
						1.0	0.6	179	24.7		7.8		22.0		90.5		6.6		6.3		8		83				<0.2		3.5	
					Middle	3.5	0.2	160	24.7	24.7	7.9	7.9	27.0	27.0	90.6	90.6	6.5		8.3		7		86				<0.2		3.5	
						3.5	0.3	165	24.7		7.9		27.0		90.6		6.5		8.3		7		87				<0.2		3.6	
					Bottom	6.0	0.0	64	24.7	24.7	7.9	7.9	29.8	29.8	90.5	90.5	6.3	6.3	7.0		6		90				<0.2		3.5	
						6.0	0.0	66	24.7		7.9		29.8		90.5		6.3		7.0		8		91				<0.2		3.4	
IM5	Cloudy	Moderate	22:25	6.3	Surface	1.0	0.5	189	24.8	24.8	7.8	7.8	22.0	22.0	89.7	89.7	6.6	6.6	5.0	8.7	3	3	86	90	820730	804854	<0.2	<0.2	2.2	3.0
						1.0	0.6	189	24.8		7.8		22.0		89.6		6.6		5.0		3		87				<0.2		2.3	
					Middle	3.2	0.4	207	24.8	24.8	7.9	7.9	24.3	24.3	90.6	90.6	6.5		8.3		3		90				<0.2		3.3	
						3.2	0.5	220	24.8		7.9		24.3		90.5		6.5		8.5		4		91				<0.2		3.4	
					Bottom	5.3	0.4	226	24.7	24.7	7.9	7.9	28.9	28.9	90.1	90.1	6.4	6.4	12.7		3		92				<0.2		3.3	
						5.3	0.4	241	24.7		7.9		29.0		90.0		6.3		12.7		3		93				<0.2		3.3	
IM6	Cloudy	Moderate	22:35	6.1	Surface	1.0	0.2	263	24.8	24.8	7.9	7.9	25.0	25.0	91.4	91.4	6.6	6.6	5.0	6.2	4	4	86	89	821069	805815	<0.2	<0.2	3.3	3.0
						1.0	0.2	270	24.8		7.9		25.0		91.4		6.6		5.0		4		86				<0.2		3.3	
					Middle	3.1	0.2	257	24.8	24.8	7.9	7.9	25.4	25.4	91.5	91.5	6.6		6.0		4		90				<0.2		2.5	
						3.1	0.2	271	24.8		7.9		25.4		91.5		6.6		6.1		4		90				<0.2		2.7	
					Bottom	5.1	0.2	266	24.8	24.8	7.9	7.9	26.2	26.2	91.6	91.6	6.5	6.5	7.4		4		92				<0.2		3.2	
						5.1	0.2	280	24.8		7.9		26.2		91.5		6.5		7.4		4		92				<0.2		3.2	
IM7	Cloudy	Moderate	22:43	7.5	Surface	1.0	0.5	223	24.8	24.8	7.9	7.9	23.8	23.9	90.1	90.2	6.5	6.5	4.2	4.7	4	4	87	90	821369	806854	<0.2	<0.2	3.4	3.6
						1.0	0.5	229	24.8		7.9		23.9		90.3		6.5		4.2		3		87				<0.2		3.4	
					Middle	3.8	0.5	238	24.9	24.8	7.9	7.9	24.9	24.9	90.2	90.3	6.5		4.3		3		90				<0.2		3.7	
						3.8	0.5	250	24.8		7.9		24.8		90.4		6.5		4.6		3		90				<0.2		3.6	
					Bottom	6.5	0.3	212	24.7	24.7	8.0	8.0	29.7	29.7	90.2	90.2	6.3	6.3	5.4		4		92				<0.2		3.7	
						6.5	0.3	213	24.7		8.0		29.7		90.1		6.3		5.2		4		93				<0.2		3.8	
IM8	Cloudy	Rough	22:34	8.2	Surface	1.0	0.3	200	24.8	24.8	7.8	7.8	21.9	21.9	90.4	90.4	6.6	6.7	4.6	5.3	4	6	86	90	821842	808122	<0.2	<0.2	3.2	3.5
						1.0	0.3	209	24.8		7.8		21.9		90.4		6.6		4.6		5		87				<0.2		3.2	
					Middle	4.1	0.2	185	24.8	24.8	7.8	7.8	24.2	24.2	92.8	92.9	6.7		5.2		8		90				<0.2		3.8	
						4.1	0.2	185	24.8		7.8		24.2		92.9		6.7		5.2		7		90				<0.2		3.7	
					Bottom	7.2	0.1	236	24.8	24.8	7.9	7.9	27.5	27.5	94.8	94.9	6.7	6.7	6.1		7		92				<0.2		3.7	
						7.2	0.1	244	24.8		7.9		27.5		94.9		6.7		6.1		6		93				<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 17 November 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	Rough	22:29	7.4	Surface	1.0	0.2	187	24.7	24.7	7.8	7.8	21.9	21.9	90.6	90.6	6.6	6.6	5.6	7.8	6	5	83	87	822075	808788	<0.2	<0.2	2.7	3.2
						1.0	0.2	195	24.7		7.8		21.9		90.6		6.6		5.7		5		83				<0.2		2.6	
					Middle	3.7	0.2	151	24.7	24.7	7.9	7.9	28.1	28.1	91.5	91.6	6.5		9.6		5		86				<0.2		3.6	
						3.7	0.2	151	24.7		7.9		28.0		91.6		6.5		9.6		5		87				<0.2		3.6	
					Bottom	6.4	0.0	23	24.8	24.8	7.9	7.9	30.0	30.0	92.7	92.7	6.5	6.5	8.2		4		90				<0.2		3.4	
						6.4	0.0	23	24.8		7.9		30.1		92.7		6.5		8.2		6		90				<0.2		3.5	
IM10	Cloudy	Rough	22:20	7.6	Surface	1.0	0.2	139	24.7	24.7	7.9	7.9	25.9	25.9	93.6	93.6	6.7	6.7	6.7	6.6	6	6	87	90	822395	809785	<0.2	<0.2	3.7	3.6
						1.0	0.2	145	24.7		7.9		25.9		93.6		6.7		6.6		6		87				<0.2		3.7	
					Middle	3.8	0.2	122	24.8	24.8	7.9	7.9	27.6	27.6	94.2	94.2	6.7		6.2		6		90				<0.2		3.6	
						3.8	0.2	133	24.8		7.9		27.6		94.2		6.7		6.3		5		91				<0.2		3.6	
					Bottom	6.6	0.2	105	24.8	24.8	8.0	8.0	30.1	30.1	96.2	96.3	6.7	6.7	7.1		7		92				<0.2		3.6	
						6.6	0.2	106	24.8		8.0		30.1		96.3		6.7		6.9		8		93				<0.2		3.5	
IM11	Cloudy	Moderate	22:07	7.7	Surface	1.0	0.2	143	24.7	24.7	7.9	7.9	26.7	26.7	92.8	92.8	6.6	6.6	5.6	6.1	3	4	87	90	822037	811439	<0.2	<0.2	2.5	2.9
						1.0	0.3	155	24.7		7.9		26.8		92.8		6.6		5.6		4		88				<0.2		2.4	
					Middle	3.9	0.2	129	24.8	24.8	7.9	7.9	30.0	30.0	92.6	92.7	6.5		6.2		3		90				<0.2		2.7	
						3.9	0.2	138	24.8		7.9		30.0		92.7		6.5		6.2		4		91				<0.2		2.7	
					Bottom	6.7	0.1	112	24.8	24.8	7.9	7.9	30.4	30.4	93.5	93.6	6.5	6.5	6.6		3		93				<0.2		3.5	
						6.7	0.1	117	24.8		7.9		30.4		93.7		6.5		6.6		4		93				<0.2		3.7	
IM12	Cloudy	Moderate	21:58	8.8	Surface	1.0	0.2	106	24.7	24.7	7.9	7.9	28.4	28.4	93.8	93.8	6.6	6.7	6.3	6.6	5	5	86	89	821474	812060	<0.2	<0.2	3.5	3.2
						1.0	0.3	108	24.7		7.9		28.4		93.8		6.6		6.3		6		86				<0.2		3.6	
					Middle	4.4	0.3	101	24.7	24.7	7.9	7.9	28.9	28.9	94.5	94.6	6.7		6.6		5		89				<0.2		3.4	
						4.4	0.3	108	24.7		7.9		28.9		94.6		6.7		6.6		5		90				<0.2		3.4	
					Bottom	7.8	0.1	90	24.7	24.7	7.9	7.9	30.2	30.2	96.4	96.5	6.7	6.8	6.8		4		92				<0.2		2.4	
						7.8	0.1	90	24.7		7.9		30.2		96.5		6.8		6.8		6		93				<0.2		2.7	
SR1A	Cloudy	Moderate	21:40	7.0	Surface	1.0	-	-	24.7	24.7	7.8	7.8	26.5	26.4	94.4	94.5	6.8	6.8	4.8	5.3	3	4	-	-	820071	812581	-	-	-	-
						1.0	-	-	24.7		7.8		26.4		94.6		6.8		4.9		4		-				-		-	
					Middle	3.5	-	-	24.6	24.6	7.9	7.9	28.5	28.5	95.6	95.7	6.8		5.4		5		-				-		-	
						3.5	-	-	24.6		7.9		28.5		95.7		6.8		5.4		5		-				-		-	
					Bottom	6.0	-	-	24.6	24.6	7.9	7.9	29.4	29.4	97.2	97.2	6.8	6.8	5.7		5		-				-		-	
						6.0	-	-	24.6		7.9		29.4		97.2		6.8		5.8		4		-				-		-	
SR2	Cloudy	Moderate	21:25	4.6	Surface	1.0	0.2	85	24.7	24.7	7.9	7.9	29.8	29.8	94.4	94.5	6.6	6.6	5.2	5.5	5	5	86	88	821443	814158	<0.2	<0.2	2.5	2.4
						1.0	0.2	91	24.7		7.9		29.8		94.5		6.6		5.2		5		87				<0.2		2.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	98	24.6	24.6	7.9	7.9	29.9	29.9	96.9	97.0	6.8	6.8	5.7		5		89				<0.2		2.3	
						3.6	0.2	101	24.6		7.9		29.9		97.0		6.8		5.7		5		90				<0.2		2.6	
SR3	Cloudy	Rough	22:41	8.9	Surface	1.0	0.4	180	24.8	24.8	7.8	7.8	23.9	23.9	90.8	90.8	6.6	6.6	5.1	4.7	8	8	-	-	822135	807564	-	-	-	-
						1.0	0.4	195	24.8		7.8		23.9		90.8		6.6		5.3		7		-				-		-	
					Middle	4.5	0.3	209	24.9	24.9	7.9	7.9	25.1	25.1	92.3	92.4	6.6		4.3		8		-				-		-	
						4.5	0.3	224	24.9		7.9		25.1		92.4		6.6		4.4		8		-				-		-	
					Bottom	7.9	0.2	250	24.8	24.8	7.9	7.9	28.7	28.7	94.4	94.4	6.7	6.7	4.4		8		-				-		-	
						7.9	0.2	261	24.8		7.9		28.7		94.4		6.7		4.5		9		-				-		-	
SR4A	Cloudy	Calm	21:07	8.6	Surface	1.0	0.1	267	24.7	24.7	7.9	7.9	29.8	29.8	93.1	93.1	6.5	6.5	5.7	5.9	4	5	-	-	817212	807822	-	-	-	-
						1.0	0.1	270	24.7		7.9		29.8		93.1		6.5		5.7		4		-				-		-	
					Middle	4.3	0.2	273	24.7	24.7	7.9	7.9	30.0	30.0	92.6	92.6	6.5		6.0		4		-				-		-	
						4.3	0.2	285	24.7		7.9		30.0		92.6		6.5		6.0		4		-				-		-	
					Bottom	7.6	0.2	266	24.7	24.7	7.9	7.9	30.0	30.0	92.9	93.0	6.5	6.5	6.0		5		-				-		-	
						7.6	0.2	266	24.7		7.9		30.0		93.0		6.5		6.0		6		-				-		-	
SR5A	Cloudy	Calm	20:52	4.9	Surface	1.0	0.0	208	24.7	24.7	7.9	7.9	29.9	29.9	91.0	91.1	6.4	6.4	10.5	9.9	4	5	-	-	816609	810717	-	-	-	-
						1.0	0.0	210	24.7		7.9		29.9		91.2		6.4		10.1		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	159	24.7	24.7	7.9	7.9	30.2	30.2	91.0	91.0	6.4	6.4	9.5		6		-				-		-	
						3.9	0.0	166	24.7		7.9		30.2		90.9		6.4		9.6		5		-				-		-	
SR6	Cloudy	Calm	20:27	4.5	Surface	1.0	0.0	176	24.6	24.6	7.8	7.8	28.7	28.7	87.2	87.2	6.2	6.2	6.9	7.5	5	5	-	-	817915	814645	-	-	-	-
						1.0	0.0	182	24.6		7.8		28.7		87.1		6.2		7.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.0	98	24.6	24.6	7.8	7.8	29.1	29.1	87.1	87.1	6.1	6.1	8.1		5		-				-		-	
						3.5	0.0	99	24.6		7.8		29.1		87.1		6.1		8.1		4		-				-		-	
SR7	Cloudy	Moderate	20:26	18.5	Surface	1.0	0.3	77	24.6	24.6	7.8	7.8	28.6	28.6	87.2	87.2	6.2	6.2	8.4	13.5	5	6	-	-	823640	823755	-	-	-	-
						1.0	0.3	77	24.6		7.8		28.6		87.2		6.2		8.5		4		-				-		-	
					Middle	9.3	0.1	329	24.6	24.6	7.8	7.8	29.1	29.1	87.5	87.5	6.2		12.7		6		-				-		-	
						9.3	0.1	342	24.6		7.8		29.1		87.5		6.2		12.9		6		-				-		-	
					Bottom	17.5	0.3	301	24.6	24.6	7.8	7.8	29.2	29.2	88.0	88.1	6.2	6.2	19.1		6		-				-		-	
						17.5	0.3	319	24.6		7.8		29.2		88.1		6.2		19.4		6		-				-		-	
SR8	Cloudy	Moderate	21:50	4.4	Surface	1.0	-	-	24.6	24.6	7.9	7.9	29.8	29.8	92.5	92.6	6.5	6.5	5.6	5.7	4	4	-	-	820506	811663	-	-	-	-
						1.0	-	-	24.6		7.9		29.8		92.6		6.5		5.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	24.6	24.6	7.9	7.9	29.9	29.9	92.3	92.3	6.5	6.5	5.8		4		-				-		-	
						3.4	-	-	24.6		7.9		29.9		92.2		6.5		5.8		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 17 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Cloudy	Moderate	15:26	8.1	Surface	1.0	0.2	55	24.7	24.7	7.9	7.9	23.8	23.8	91.3	91.3	6.6	6.5	6.3	16.1	5	4	82	86	815616	804242	<0.2	<0.2	2.4	2.4
						1.0	0.2	59	24.7		7.9		23.8		91.3		6.6		6.7		4		83				<0.2		2.4	
					Middle	4.1	0.4	46	24.6	24.6	8.0	8.0	28.9	28.9	90.7	90.7	6.4		17.5		4		86				<0.2		2.4	
						4.1	0.4	49	24.6		8.0		28.9		90.7		6.4		17.8		4		86				<0.2		2.4	
					Bottom	7.1	0.4	39	24.7	24.7	8.0	8.0	30.3	30.3	90.6	90.6	6.3	6.3	24.2		4		89				<0.2		2.3	
						7.1	0.5	42	24.7		8.0		30.3		90.6		6.3		23.9		5		90				<0.2		2.4	
C2	Cloudy	Rough	14:06	11.3	Surface	1.0	0.1	260	24.9	24.9	7.8	7.8	24.4	24.4	90.4	90.4	6.5	6.5	5.6	10.2	4	4	89	91	825662	806936	<0.2	<0.2	2.4	2.5
						1.0	0.1	279	24.9		7.8		24.4		90.3		6.5		5.6		4		89				<0.2		2.4	
					Middle	5.7	0.1	337	24.8	24.8	7.8	7.8	28.5	28.4	90.0	90.0	6.4		9.3		4		91				<0.2		2.4	
						5.7	0.1	310	24.8		7.8		28.4		90.0		6.4		9.5		3		92				<0.2		2.4	
					Bottom	10.3	0.1	298	24.8	24.8	7.8	7.8	29.6	29.6	90.1	90.2	6.3	6.3	15.3		3		93				<0.2		2.7	
						10.3	0.2	321	24.8		7.8		29.6		90.2		6.3		15.7		3		93				<0.2		2.6	
C3	Cloudy	Moderate	15:50	10.7	Surface	1.0	0.3	265	24.8	24.8	8.0	8.0	29.9	29.9	90.8	90.9	6.4	6.4	7.8	8.0	6	6	83	86	822114	817809	<0.2	<0.2	2.6	2.4
						1.0	0.4	283	24.8		8.0		29.9		90.9		6.4		7.8		7		82				<0.2		2.5	
					Middle	5.4	0.3	261	24.7	24.7	8.0	8.0	29.9	29.9	90.4	90.5	6.3		8.1		6		86				<0.2		2.4	
						5.4	0.3	283	24.7		8.0		29.9		90.5		6.3		8.1		6		86				<0.2		2.4	
					Bottom	9.7	0.2	277	24.7	24.7	8.0	8.0	29.9	29.9	90.7	90.7	6.4	6.4	8.0		7		90				<0.2		2.2	
						9.7	0.2	301	24.7		8.0		29.9		90.6		6.4		8.0		6		91				<0.2		2.4	
IM1	Cloudy	Moderate	14:49	5.0	Surface	1.0	0.2	9	24.7	24.7	8.0	8.0	28.6	28.6	93.2	93.2	6.6	6.6	6.2	6.6	6	5	82	87	817927	807129	<0.2	<0.2	2.6	2.5
						1.0	0.2	9	24.7		8.0		28.6		93.2		6.6		6.3		6		83				<0.2		2.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	4	24.7	24.7	8.0	8.0	29.6	29.6	93.3	93.4	6.6	6.6	7.0		4		90				<0.2		2.3	
						4.0	0.3	4	24.7		8.0		29.6		93.4		6.6		7.0		4		91				<0.2		2.4	
IM2	Cloudy	Moderate	14:42	6.5	Surface	1.0	0.1	262	24.8	24.8	8.0	8.0	28.0	28.0	92.5	92.6	6.6	6.6	6.4	7.1	8	7	82	87	818167	806164	<0.2	<0.2	2.4	2.5
						1.0	0.1	266	24.8		8.0		28.0		92.7		6.6		6.4		8		83				<0.2		2.3	
					Middle	3.3	0.2	347	24.7	24.7	8.0	8.0	28.9	28.9	92.5	92.5	6.5		7.3		7		87				<0.2		2.6	
						3.3	0.2	319	24.7		8.0		28.9		92.4		6.5		7.4		7		87				<0.2		2.6	
					Bottom	5.5	0.3	350	24.7	24.7	8.0	8.0	29.8	29.8	92.2	92.2	6.5	6.5	7.7		7		90				<0.2		2.6	
						5.5	0.3	322	24.7		8.0		29.8		92.2		6.5		7.6		6		91				<0.2		2.3	
IM3	Cloudy	Moderate	14:35	6.8	Surface	1.0	0.2	247	24.8	24.8	7.9	7.9	26.4	26.5	91.9	91.9	6.6	6.5	6.8	8.7	9	8	87	90	818802	805582	<0.2	<0.2	2.6	2.6
						1.0	0.2	261	24.8		7.9		26.5		91.8		6.6		7.0		8		87				<0.2		2.6	
					Middle	3.4	0.1	338	24.7	24.7	8.0	8.0	28.9	28.9	91.3	91.3	6.4		8.3		7		89				<0.2		2.7	
						3.4	0.1	358	24.7		8.0		28.9		91.3		6.4		8.4		8		90				<0.2		2.5	
					Bottom	5.8	0.1	24	24.7	24.7	8.0	8.0	30.4	30.4	91.2	91.3	6.4	6.4	10.9		8		92				<0.2		2.7	
						5.8	0.1	26	24.7		8.0		30.4		91.3		6.4		10.8		9		92				<0.2		2.5	
IM4	Cloudy	Moderate	14:26	6.9	Surface	1.0	0.1	323	24.8	24.8	7.9	7.9	26.1	26.0	92.1	92.0	6.6	6.6	5.7	6.1	6	5	83	87	819724	804603	<0.2	<0.2	2.5	2.4
						1.0	0.1	344	24.8		7.9		26.0		91.9		6.6		5.8		5		85				<0.2		2.4	
					Middle	3.5	0.2	321	24.8	24.8	7.9	7.9	27.3	27.3	91.7	91.8	6.5		6.6		5		86				<0.2		2.5	
						3.5	0.2	343	24.8		7.9		27.3		91.8		6.5		6.5		5		87				<0.2		2.4	
					Bottom	5.9	0.2	27	24.7	24.7	8.0	7.9	30.3	30.3	92.0	92.0	6.4	6.4	6.1		5		89				<0.2		2.4	
						5.9	0.3	27	24.7		7.9		30.3		92.0		6.4		6.1		5		91				<0.2		2.3	
IM5	Cloudy	Moderate	14:19	6.5	Surface	1.0	0.4	274	24.8	24.8	7.9	7.9	24.2	24.2	90.7	90.8	6.6	6.6	4.8	5.9	4	3	83	86	820722	804860	<0.2	<0.2	2.4	2.5
						1.0	0.4	285	24.8		7.9		24.2		90.8		6.6		4.9		3		83				<0.2		2.3	
					Middle	3.3	0.2	296	24.8	24.8	7.9	7.9	26.0	26.0	91.2	91.2	6.5		6.6		3		86				<0.2		2.4	
						3.3	0.2	317	24.8		7.9		26.0		91.1		6.5		6.6		3		86				<0.2		2.4	
					Bottom	5.5	0.2	330	24.8	24.8	7.9	7.9	28.3	28.3	90.8	90.9	6.4	6.4	6.3		4		90				<0.2		2.6	
						5.5	0.2	343	24.8		7.9		28.4		90.9		6.4		6.3		3		90				<0.2		2.6	
IM6	Cloudy	Moderate	14:12	6.2	Surface	1.0	0.4	279	24.8	24.8	7.8	7.8	24.1	24.1	90.3	90.3	6.5	6.5	4.5	5.1	3	3	87	90	821044	805828	<0.2	<0.2	2.3	2.4
						1.0	0.5	303	24.8		7.8		24.1		90.3		6.5		4.5		3		87				<0.2		2.2	
					Middle	3.1	0.4	282	24.8	24.8	7.8	7.8	24.7	24.7	90.3	90.4	6.5		5.3		3		90				<0.2		2.6	
						3.1	0.4	297	24.8		7.8		24.7		90.4		6.5		5.3		3		90				<0.2		2.4	
					Bottom	5.2	0.3	257	24.8	24.8	7.9	7.9	28.4	28.4	90.6	90.6	6.4	6.4	5.5		3		93				<0.2		2.4	
						5.2	0.3	269	24.8		7.9		28.4		90.6		6.4		5.5		3		93				<0.2		2.4	
IM7	Cloudy	Moderate	14:06	7.2	Surface	1.0	0.4	266	24.9	24.9	7.8	7.8	24.4	24.4	89.8	89.9	6.5	6.5	4.5	5.1	2	3	87	90	821360	806842	<0.2	<0.2	1.9	2.0
						1.0	0.5	278	24.9		7.8		24.4		89.9		6.5		4.5		3		87				<0.2		2.2	
					Middle	3.6	0.4	275	24.8	24.8	7.8	7.8	24.6	24.6	89.7	89.7	6.5		5.3		3		90				<0.2		2.0	
						3.6	0.4	277	24.8		7.8		24.6		89.7		6.5		5.3		3		91				<0.2		2.0	
					Bottom	6.2	0.3	266	24.8	24.8	7.9	7.9	29.5	29.5	89.6	89.6	6.3	6.3	5.6		3		93				<0.2		1.8	
						6.2	0.3	280	24.8		7.9		29.5		89.5		6.3		5.5		4		92				<0.2		1.8	
IM8	Cloudy	Rough	14:31	7.6	Surface	1.0	0.1	188	24.8	24.8	7.8	7.8	24.2	24.2	91.8	91.8	6.6	6.7	4.8	5.9	4	4	86	90	821821	808133	<0.2	<0.2	1.9	1.7
						1.0	0.1	192	24.8		7.8		24.2		91.8		6.6		4.9		4		87				<0.2		1.6	
					Middle	3.8	0.1	135	24.8	24.8	7.9	7.9	25.8	25.8	93.3	93.5	6.7		6.0		3		90				<0.2		1.7	
						3.8	0.1	141	24.8		7.9		25.8		93.6		6.7		6.0		4		91				<0.2		1.6	
					Bottom	6.6	0.1	220	24.8	24.8	8.0	8.0	27.8	28.2	95.7	95.8	6.8	6.8	6.6		3		93				<0.2		1.8	
						6.6	0.2	225	24.8		8.0		28.7		95.8		6.8		6.8		3		93				<0.2		1.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 17 November 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	Rough	14:36	7.2	Surface	1.0	0.1	54	24.8	24.8	7.9	7.9	25.9	25.9	93.4	93.4	6.7	6.7	5.8	6.2	2	3	85	90	822070	808800	<0.2	<0.2	1.7	2.1
						1.0	0.1	55	24.8		7.9		25.9		93.4		6.7		5.8		2		86				<0.2		1.7	
					Middle	3.6	0.1	49	24.8	24.8	7.9	7.9	26.7	26.7	94.3	94.4	6.7		6.2		3		90				<0.2		2.4	
						3.6	0.1	49	24.8		7.9		26.7		94.4		6.7		6.2		4		91				<0.2		2.2	
					Bottom	6.2	0.0	100	24.8	24.8	8.0	8.0	29.2	29.2	96.4	96.5	6.8	6.8	6.4		4		94				<0.2		2.3	
						6.2	0.0	107	24.8		8.0		29.2		96.6		6.8		6.6		4		94				<0.2		2.3	
IM10	Cloudy	Rough	14:44	8.1	Surface	1.0	0.4	310	24.8	24.8	7.9	7.9	26.0	26.0	92.7	92.8	6.6	6.6	7.3	9.8	<2	3	87	90	822364	809801	<0.2	<0.2	2.2	2.2
						1.0	0.4	311	24.8		7.9		26.0		92.8		6.6		7.3		2		88				<0.2		2.3	
					Middle	4.1	0.4	327	24.8	24.8	7.9	7.9	28.6	28.6	92.4	92.4	6.5		8.8		3		90				<0.2		2.1	
						4.1	0.4	357	24.8		7.9		28.6		92.4		6.5		9.0		3		91				<0.2		2.1	
					Bottom	7.1	0.3	315	24.7	24.7	8.0	8.0	30.4	30.4	93.5	93.6	6.5	6.5	13.2		5		92				<0.2		2.3	
						7.1	0.3	343	24.7		8.0		30.4		93.6		6.5		13.4		5		93				<0.2		2.4	
IM11	Cloudy	Moderate	14:55	7.7	Surface	1.0	0.5	291	24.8	24.8	8.0	8.0	27.9	27.9	93.1	93.2	6.6	6.6	6.4	7.1	3	3	86	90	822069	811448	<0.2	<0.2	2.4	2.5
						1.0	0.5	292	24.8		8.0		27.9		93.2		6.6		6.4		3		87				<0.2		2.4	
					Middle	3.9	0.4	284	24.7	24.7	8.0	8.0	29.1	29.1	93.1	93.1	6.6		7.2		2		91				<0.2		2.5	
						3.9	0.4	295	24.7		8.0		29.1		93.1		6.6		7.2		<2		91				<0.2		2.5	
					Bottom	6.7	0.2	290	24.6	24.6	8.0	8.0	29.7	29.7	94.0	94.0	6.6	6.6	7.7		4		93				<0.2		2.4	
						6.7	0.2	317	24.6		8.0		29.7		94.0		6.6		7.7		3		93				<0.2		2.6	
IM12	Cloudy	Moderate	14:48	8.6	Surface	1.0	0.4	258	24.7	24.7	8.0	8.0	28.6	28.6	93.3	93.3	6.6	6.6	8.0	13.8	5	5	85	89	821478	812062	<0.2	<0.2	2.7	2.5
						1.0	0.5	270	24.7		8.0		28.7		93.2		6.6		8.4		5		86				<0.2		2.4	
					Middle	4.3	0.3	280	24.7	24.7	8.0	8.0	29.7	29.7	93.1	93.2	6.5		14.5		5		90				<0.2		2.5	
						4.3	0.3	288	24.7		8.0		29.7		93.2		6.5		14.9		5		90				<0.2		2.6	
					Bottom	7.6	0.1	264	24.7	24.7	8.0	8.0	29.9	29.8	94.4	94.5	6.6	6.6	18.5		4		92				<0.2		2.4	
						7.6	0.2	278	24.7		8.0		29.8		94.6		6.6		18.6		5		93				<0.2		2.4	
SR1A	Cloudy	Moderate	15:08	7.1	Surface	1.0	-	-	24.7	24.7	7.8	7.8	23.8	23.8	91.9	92.0	6.7	6.6	5.3	9.7	8	9	-	-	820064	812591	-	-	-	-
						1.0	-	-	24.7		7.8		23.8		92.0		6.7		5.4		9		-				-		-	
					Middle	3.6	-	-	24.7	24.7	7.9	7.9	25.7	25.7	91.1	91.2	6.5		8.5		8		-				-		-	
						3.6	-	-	24.7		7.9		25.7		91.2		6.6		8.6		9		-				-		-	
					Bottom	6.1	-	-	24.7	24.7	7.9	7.9	29.8	29.8	91.4	91.4	6.4	6.4	15.1		8		-				-		-	
						6.1	-	-	24.7		7.9		29.9		91.4		6.4		15.3		9		-				-		-	
SR2	Cloudy	Moderate	15:22	4.6	Surface	1.0	0.3	311	24.8	24.8	7.9	7.9	29.9	29.9	93.3	93.3	6.5	6.5	7.7	7.8	8	8	85	88	821454	814154	<0.2	<0.2	2.4	2.4
						1.0	0.3	330	24.8		7.9		29.9		93.2		6.5		7.8		7		86				<0.2		2.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	305	24.8	24.8	7.9	7.9	29.9	29.9	95.1	95.2	6.7	6.7	7.8		9		89				<0.2		2.4	
						3.6	0.2	312	24.8		7.9		29.9		95.3		6.7		7.7		9		90				<0.2		2.4	
SR3	Cloudy	Rough	14:26	8.1	Surface	1.0	0.1	226	24.8	24.8	7.8	7.8	24.1	24.1	91.6	91.8	6.6	6.6	4.5	5.6	4	4	-	-	822140	807556	-	-	-	-
						1.0	0.1	241	24.8		7.8		24.1		92.0		6.7		4.6		4		-				-		-	
					Middle	4.1	0.1	313	24.8	24.8	7.9	7.9	25.9	25.9	92.7	92.8	6.6		4.9		4		-				-		-	
						4.1	0.1	338	24.8		7.9		25.9		92.8		6.6		4.9		3		-				-		-	
					Bottom	7.1	0.1	196	24.8	24.8	8.0	8.0	28.5	28.5	96.4	96.5	6.8	6.8	7.2		4		-				-		-	
						7.1	0.1	214	24.8		8.0		28.5		96.5		6.8		7.2		3		-				-		-	
SR4A	Cloudy	Calm	15:49	8.9	Surface	1.0	0.2	259	24.8	24.8	7.9	7.9	29.9	29.9	91.0	91.0	6.4	6.4	7.9	8.0	8	9	-	-	817177	807799	-	-	-	-
						1.0	0.2	269	24.8		7.9		29.9		90.9		6.4		7.9		8		-				-		-	
					Middle	4.5	0.1	253	24.7	24.7	7.9	7.9	29.9	29.9	91.2	91.2	6.4		8.0		9		-				-		-	
						4.5	0.1	265	24.7		7.9		29.9		91.2		6.4		8.0		8		-				-		-	
					Bottom	7.9	0.0	83	24.7	24.7	7.9	7.9	29.9	29.9	91.5	91.5	6.4	6.4	8.1		9		-				-		-	
						7.9	0.0	86	24.8		7.9		29.9		91.4		6.4		7.9		10		-				-		-	
SR5A	Cloudy	Calm	16:06	5.3	Surface	1.0	0.1	309	24.7	24.7	7.9	7.9	29.2	29.2	93.1	93.2	6.6	6.6	8.8	9.0	9	10	-	-	816607	810686	-	-	-	-
						1.0	0.1	331	24.7		7.9		29.2		93.2		6.6		8.8		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	304	24.7	24.7	7.9	7.9	29.4	29.4	95.5	95.5	6.7	6.7	9.2		10		-				-		-	
						4.3	0.2	321	24.7		7.9		29.4		95.5		6.7		9.3		9		-				-		-	
SR6	Cloudy	Calm	16:29	4.2	Surface	1.0	0.1	244	24.9	24.9	7.9	7.9	27.6	27.6	92.7	92.7	6.6	6.6	6.8	6.9	9	10	-	-	817912	814666	-	-	-	-
						1.0	0.1	252	24.9		7.9		27.6		92.7		6.6		6.8		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	229	24.7	24.7	7.9	7.9	28.6	28.6	93.5	94.6	6.6	6.7	7.2		13		-				-		-	
						3.2	0.0	234	24.8		7.9		28.5		95.7		6.8		6.8		11		-				-		-	
SR7	Cloudy	Moderate	16:16	15.3	Surface	1.0	0.1	337	24.7	24.7	7.9	7.9	29.1	29.1	90.9	91.0	6.4	6.4	9.2	10.6	6	6	-	-	823612	823748	-	-	-	-
						1.0	0.1	310	24.7		7.9		29.1		91.0		6.4		9.3		6		-				-		-	
					Middle	7.7	0.1	91	24.7	24.7	7.9	7.9	29.3	29.3	90.9	90.9	6.4		10.6		5		-				-		-	
						7.7	0.1	99	24.7		7.9		29.3		90.9		6.4		10.6		5		-				-		-	
					Bottom	14.3	0.1	88	24.7	24.7	7.9	7.9	29.6	29.6	91.4	91.5	6.4	6.4	11.9		5		-				-		-	
						14.3	0.1	94	24.7		7.9		29.6		91.5		6.4		12.2		6		-				-		-	
SR8	Cloudy	Moderate	14:59	5.1	Surface	1.0	-	-	24.7	24.7	8.0	8.0	28.7	28.7	92.9	92.9	6.6	6.6	7.2	8.8	4	5	-	-	820498	811654	-	-	-	-
						1.0	-	-	24.7		8.0		28.7		92.8		6.6		7.2		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	24.7	24.7	8.0	8.0	29.8	29.8	92.4	92.4	6.5	6.5	10.4		6		-				-		-	
						4.1	-	-	24.7		8.0		29.9		92.3		6.5		10.4		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 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 November 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	11:04	8.8	Surface	1.0	0.4	229	24.3	24.3	8.0	8.0	31.1	31.3	94.4	94.1	6.6	6.5	4.5	7.3	4	5	84	90	815603	804235	<0.2	<0.2	1.4	1.4
						1.0	0.4	234	24.3		8.0		31.4		93.8		6.6		4.6		4		87				<0.2		1.4	
					Middle	4.4	0.2	185	24.4	24.4	8.0	8.0	31.9	32.0	92.6	92.5	6.5		6.6		4		89				<0.2		1.4	
						4.4	0.3	191	24.4		8.0		32.1		92.3		6.4		7.3		4		90				<0.2		1.3	
					Bottom	7.8	0.3	184	24.4	24.4	8.0	8.0	32.3	32.3	92.1	92.2	6.4	6.4	10.5		5		94				<0.2		1.4	
						7.8	0.3	189	24.4		8.0		32.3		92.2		6.4		10.6		6		94				<0.2		1.2	
C2	Fine	Moderate	11:47	11.3	Surface	1.0	0.7	166	24.7	24.7	7.9	7.9	29.0	29.0	92.5	92.5	6.5	6.3	3.4	6.4	4	4	87	91	825661	806949	<0.2	<0.2	1.9	1.8
						1.0	0.7	167	24.7		7.9		29.0		92.4		6.5		3.4		4		87				<0.2		1.8	
					Middle	5.7	0.6	171	24.8	24.8	7.9	7.9	30.4	30.4	87.6	87.6	6.1		8.2		4		91				<0.2		1.7	
						5.7	0.6	178	24.8		7.9		30.4		87.6		6.1		8.2		4		91				<0.2		1.7	
					Bottom	10.3	0.3	161	24.8	24.8	7.9	7.9	31.5	31.5	87.0	87.0	6.0	6.0	7.7		5		96				<0.2		1.9	
						10.3	0.3	170	24.8		7.9		31.5		87.0		6.0		7.7		4		95				<0.2		1.8	
C3	Fine	Moderate	09:43	11.5	Surface	1.0	0.2	74	24.6	24.6	7.9	7.9	30.5	30.5	92.0	92.0	6.4	6.3	2.3	3.1	3	3	86	90	822107	817802	<0.2	<0.2	1.5	1.4
						1.0	0.2	76	24.6		7.9		30.5		91.9		6.4		2.4		3		86				<0.2		1.3	
					Middle	5.8	0.3	93	24.7	24.7	7.8	7.8	30.8	30.8	89.4	89.4	6.2		2.5		2		90				<0.2		1.3	
						5.8	0.3	93	24.7		7.8		30.8		89.3		6.2		2.5		3		90				<0.2		1.5	
					Bottom	10.5	0.2	94	24.7	24.7	7.8	7.8	32.4	32.4	86.0	86.0	5.9	5.9	4.3		2		94				<0.2		1.4	
						10.5	0.3	96	24.7		7.8		32.4		86.0		5.9		4.3		2		94				<0.2		1.4	
IM1	Fine	Rough	11:23	5.9	Surface	1.0	0.2	153	24.4	24.4	8.0	8.0	31.6	31.6	90.2	90.2	6.3	6.3	8.6	8.3	4	4	86	90	817966	807154	<0.2	<0.2	1.0	1.0
						1.0	0.2	165	24.4		8.0		31.6		90.1		6.3		8.2		4		86				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	0.2	177	24.5	24.5	8.0	8.0	31.5	31.5	86.9	86.7	6.1	6.1	7.9		4		94				<0.2		1.0	
						4.9	0.2	185	24.5		8.0		31.5		86.5		6.0		8.6		4		94				<0.2		0.9	
IM2	Fine	Rough	11:29	7.2	Surface	1.0	0.4	215	24.4	24.4	8.0	8.0	31.1	31.1	93.0	92.9	6.5	6.5	5.1	7.5	4	5	86	90	818146	806186	<0.2	<0.2	1.0	1.0
						1.0	0.5	221	24.4		8.0		31.1		92.8		6.5		5.1		3		87				<0.2		1.0	
					Middle	3.6	0.4	217	24.4	24.4	8.0	8.0	31.4	31.4	91.8	91.8	6.4		6.1		4		90				<0.2		1.0	
						3.6	0.4	232	24.4		8.0		31.4		91.8		6.4		6.0		5		90				<0.2		0.9	
					Bottom	6.2	0.2	203	24.4	24.4	8.0	8.0	31.9	31.9	91.7	91.9	6.4	6.4	11.8		7		94				<0.2		0.9	
						6.2	0.2	218	24.4		8.0		31.9		92.0		6.4		11.2		7		95				<0.2		0.9	
IM3	Fine	Rough	11:34	7.0	Surface	1.0	0.4	206	24.3	24.3	8.0	8.0	30.0	30.0	94.3	94.2	6.7	6.6	5.0	9.7	5	5	84	90	818765	805610	<0.2	<0.2	1.0	1.0
						1.0	0.4	221	24.3		8.0		30.0		94.1		6.6		5.0		6		87				<0.2		1.0	
					Middle	3.5	0.2	196	24.4	24.4	8.0	8.0	31.0	31.3	92.5	92.0	6.5		10.6		6		89				<0.2		1.1	
						3.5	0.3	211	24.4		8.0		31.6		91.5		6.4		10.6		4		91				<0.2		0.9	
					Bottom	6.0	0.3	157	24.4	24.4	8.0	8.0	31.9	31.9	91.7	91.9	6.4	6.4	13.6		4		95				<0.2		0.8	
						6.0	0.3	166	24.4		8.0		31.9		92.0		6.4		13.4		4		96				<0.2		1.1	
IM4	Fine	Rough	11:44	7.5	Surface	1.0	0.6	180	24.5	24.5	8.1	8.1	29.8	29.9	94.0	94.0	6.6	6.6	5.0	8.1	4	4	85	90	819713	804598	<0.2	<0.2	0.9	0.9
						1.0	0.7	192	24.5		8.1		29.9		93.9		6.6		5.3		3		85				<0.2		0.9	
					Middle	3.8	0.5	175	24.4	24.4	8.1	8.1	30.7	30.9	92.6	92.4	6.5		8.5		4		89				<0.2		1.0	
						3.8	0.5	181	24.4		8.1		31.1		92.2		6.5		8.9		4		91				<0.2		0.9	
					Bottom	6.5	0.3	147	24.4	24.4	8.1	8.1	31.6	31.6	92.1	92.2	6.4	6.4	10.5		4		93				<0.2		1.0	
						6.5	0.3	157	24.4		8.1		31.6		92.2		6.4		10.6		3		94				<0.2		0.9	
IM5	Fine	Rough	11:52	6.8	Surface	1.0	0.7	197	24.4	24.4	8.0	8.0	30.2	30.3	94.4	94.2	6.6	6.6	6.3	11.0	6	5	84	90	820752	804888	<0.2	<0.2	1.0	1.0
						1.0	0.7	207	24.4		8.0		30.4		93.9		6.6		6.5		6		86				<0.2		1.0	
					Middle	3.4	0.6	190	24.4	24.4	8.0	8.0	30.9	30.9	93.3	93.3	6.5		10.0		6		91				<0.2		1.0	
						3.4	0.6	205	24.3		8.0		30.8		93.2		6.5		9.8		6		92				<0.2		0.9	
					Bottom	5.8	0.4	186	24.4	24.4	8.0	8.1	31.3	31.3	92.8	92.9	6.5	6.5	16.6		4		93				<0.2		1.0	
						5.8	0.4	187	24.4		8.1		31.3		92.9		6.5		16.6		4		93				<0.2		1.1	
IM6	Fine	Rough	12:00	6.9	Surface	1.0	0.5	252	24.7	24.7	8.0	8.0	29.1	29.1	92.4	92.5	6.5	6.5	3.7	6.4	4	3	86	90	821083	805840	<0.2	<0.2	1.2	1.3
						1.0	0.5	265	24.7		8.0		29.1		92.5		6.5		3.8		3		87				<0.2		1.2	
					Middle	3.5	0.5	244	24.6	24.6	8.0	8.0	29.8	29.9	92.4	92.4	6.5		5.0		4		90				<0.2		1.3	
						3.5	0.5	261	24.6		8.0		29.9		92.4		6.5		5.5		3		90				<0.2		1.3	
					Bottom	5.9	0.3	213	24.4	24.4	8.0	8.0	31.2	31.2	92.3	92.3	6.5	6.5	10.1		3		94				<0.2		1.4	
						5.9	0.3	227	24.4		8.1		31.3		92.3		6.5		10.4		3		94				<0.2		1.3	
IM7	Fine	Rough	12:10	7.5	Surface	1.0	0.5	217	24.6	24.6	8.1	8.1	28.7	28.7	93.4	93.2	6.6	6.5	3.1	6.7	4	4	85	90	821351	806819	<0.2	<0.2	1.3	1.4
						1.0	0.6	231	24.6		8.1		28.7		93.0		6.6		3.2		4		85				<0.2		1.4	
					Middle	3.8	0.4	223	24.7	24.7	8.1	8.0	29.4	29.3	89.4	89.5	6.3		4.1		4		90				<0.2		1.3	
						3.8	0.4	242	24.7		8.0		29.3		89.6		6.3		4.1		3		90				<0.2		1.4	
					Bottom	6.5	0.2	196	24.5	24.5	8.0	8.0	31.3	31.2	91.2	91.3	6.4	6.4	13.2		3		93				<0.2		1.3	
						6.5	0.2	213	24.5		8.0		31.1		91.3		6.4		12.3		4		94				<0.2		1.4	
IM8	Fine	Moderate	11:17	7.3	Surface	1.0	0.2	168	24.8	24.8	8.0	8.0	29.1	29.1	93.4	93.4	6.6	6.5	3.5	4.3	4	4	86	91	821841	808117	<0.2	<0.2	1.9	1.8
						1.0	0.3	179	24.8		8.0		29.1		93.4		6.6		3.6		3		87				<0.2		1.8	
					Middle	3.7	0.2	163	24.7	24.7	8.0	8.0	29.9	29.9	91.4	91.5	6.4		4.2		4		91				<0.2		1.7	
						3.7	0.3	168	24.7		8.0		29.9		91.5		6.4		4.2		4		91				<0.2		1.6	
					Bottom	6.3	0.1	79	24.6	24.6	8.0	8.0	31.0	31.0	92.1	92.2	6.4	6.4	5.2		3		95				<0.2		1.9	
						6.3	0.1	79	24.6		8.0		31.0		92.3		6.4		5.2		3		95				<0.2		1.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 November 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	11:10	6.9	Surface	1.0	0.3	138	24.8	24.8	8.0	8.0	29.3	29.3	92.9	92.9	6.5	6.5	3.6	5.1	4	3	87	91	822084	808810	<0.2	<0.2	1.8	1.8
						1.0	0.3	150	24.8		8.0		29.3		92.8		6.5		3.6		3		87				<0.2		1.8	
					Middle	3.5	0.3	128	24.7	24.7	8.0	8.0	30.0	30.0	91.6	91.6	6.4		5.4		3		91				<0.2		1.8	
						3.5	0.3	139	24.7		8.0		30.0		91.6		6.4		5.4		3		90				<0.2		1.6	
					Bottom	5.9	0.3	91	24.6	24.6	8.0	8.0	30.9	30.9	92.1	92.1	6.4	6.4	6.3		3		95				<0.2		1.9	
						5.9	0.3	92	24.6		8.0		30.9		92.1		6.4		6.3		3		95				<0.2		1.9	
IM10	Fine	Moderate	11:01	8.0	Surface	1.0	0.5	122	24.8	24.8	8.0	8.0	29.8	29.8	90.5	90.5	6.3	6.3	3.3	4.4	4	4	87	91	822389	809770	<0.2	<0.2	1.7	1.7
						1.0	0.5	127	24.8		8.0		29.8		90.4		6.3		3.3		4		87				<0.2		1.7	
					Middle	4.0	0.5	121	24.8	24.8	7.9	7.9	30.8	30.8	88.3	88.4	6.2		4.2		3		91				<0.2		1.7	
						4.0	0.5	125	24.8		7.9		30.8		88.4		6.2		4.3		4		90				<0.2		1.6	
					Bottom	7.0	0.4	121	24.7	24.7	7.9	7.9	31.0	31.0	90.3	90.4	6.3	6.3	5.5		5		95				<0.2		1.6	
						7.0	0.4	123	24.7		7.9		31.0		90.5		6.3		5.5		4		95				<0.2		1.7	
IM11	Fine	Moderate	10:46	8.4	Surface	1.0	0.4	111	24.6	24.6	8.0	8.0	29.7	29.7	92.5	92.5	6.5	6.5	3.3	4.5	4	4	87	91	822054	811439	<0.2	<0.2	1.6	1.6
						1.0	0.5	112	24.6		8.0		29.7		92.5		6.5		3.3		4		87				<0.2		1.5	
					Middle	4.2	0.5	113	24.7	24.7	8.0	8.0	30.0	30.0	90.7	90.7	6.4		3.8		4		90				<0.2		1.6	
						4.2	0.5	118	24.7		8.0		30.0		90.7		6.4		3.8		5		91				<0.2		1.7	
					Bottom	7.4	0.2	103	24.7	24.7	7.9	7.9	30.9	30.9	89.5	89.5	6.2	6.2	6.5		4		94				<0.2		1.5	
						7.4	0.2	111	24.7		7.9		30.9		89.4		6.2		6.5		3		94				<0.2		1.8	
IM12	Fine	Moderate	10:38	9.8	Surface	1.0	0.4	106	24.7	24.7	8.0	8.0	29.9	29.9	90.3	90.3	6.3	6.3	3.5	4.3	5	5	87	91	821444	812042	<0.2	<0.2	1.6	1.5
						1.0	0.5	116	24.7		8.0		29.9		90.2		6.3		3.5		4		86				<0.2		1.5	
					Middle	4.9	0.4	102	24.7	24.7	8.0	8.0	30.1	30.1	88.6	88.6	6.2		4.4		5		91				<0.2		1.5	
						4.9	0.4	109	24.7		8.0		30.1		88.5		6.2		4.4		5		91				<0.2		1.5	
					Bottom	8.8	0.3	100	24.8	24.8	7.9	7.9	30.6	30.6	89.4	89.5	6.2	6.2	5.1		4		96				<0.2		1.5	
						8.8	0.3	107	24.8		7.9		30.6		89.5		6.2		5.1		5		95				<0.2		1.4	
SR1A	Fine	Moderate	10:19	7.4	Surface	1.0	-	-	24.7	24.7	7.9	7.9	30.0	30.0	90.2	90.2	6.3	6.2	4.6	7.1	5	5	-	-	820073	812589	-	-	-	-
						1.0	-	-	24.7		7.9		30.0		90.1		6.3		4.6		5		-				-		-	
					Middle	3.7	-	-	24.8	24.8	7.9	7.9	30.3	30.3	87.7	87.7	6.1		6.2		4		-				-		-	
						3.7	-	-	24.8		7.9		30.3		87.7		6.1		6.2		5		-				-		-	
					Bottom	6.4	-	-	24.8	24.8	7.9	7.9	30.8	30.8	87.8	87.8	6.1	6.1	10.4		5		-				-		-	
						6.4	-	-	24.8		7.9		30.8		87.8		6.1		10.4		6		-				-		-	
SR2	Fine	Moderate	10:06	5.5	Surface	1.0	0.4	95	24.7	24.7	7.9	7.9	30.5	30.5	88.3	88.2	6.2	6.2	4.5	5.3	4	3	86	89	821483	814178	<0.2	<0.2	1.4	1.5
						1.0	0.4	96	24.7		7.9		30.5		88.1		6.2		4.5		3		86				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.3	92	24.8	24.8	7.9	7.9	31.3	31.3	86.6	86.7	6.0	6.0	6.2		3		91				<0.2		1.5	
						4.5	0.3	94	24.8		7.9		31.3		86.7		6.0		6.1		3		91				<0.2		1.7	
SR3	Fine	Moderate	11:23	8.5	Surface	1.0	0.4	190	24.7	24.7	8.0	8.0	28.9	28.9	93.9	93.9	6.6	6.5	3.2	4.3	5	3	-	-	822134	807576	-	-	-	-
						1.0	0.4	202	24.7		8.0		28.9		93.9		6.6		3.2		4		-				-		-	
					Middle	4.3	0.2	186	24.7	24.7	8.0	8.0	29.7	29.7	90.8	90.9	6.4		4.1		3		-				-		-	
						4.3	0.2	191	24.7		8.0		29.7		90.9		6.4		4.1		3		-				-		-	
					Bottom	7.5	0.0	338	24.6	24.6	8.0	8.0	30.9	30.9	90.7	90.7	6.3	6.3	5.5		2		-				-		-	
						7.5	0.0	340	24.6		8.0		30.9		90.7		6.3		5.5		2		-				-		-	
SR4A	Fine	Moderate	10:44	9.2	Surface	1.0	0.2	61	24.4	24.5	8.0	8.0	30.8	30.9	91.0	90.8	6.4	6.3	6.4	9.9	4	4	-	-	817171	807806	-	-	-	-
						1.0	0.3	62	24.5		8.0		30.9		90.6		6.3		6.9		3		-				-		-	
					Middle	4.6	0.3	69	24.5	24.5	8.0	8.0	31.5	31.5	88.9	89.0	6.2		10.7		4		-				-		-	
						4.6	0.3	73	24.5		8.0		31.5		89.0		6.2		10.5		4		-				-		-	
					Bottom	8.2	0.2	61	24.5	24.5	7.9	7.9	31.5	31.5	89.1	89.1	6.2	6.2	12.5		5		-				-		-	
						8.2	0.2	61	24.5		7.9		31.5		89.1		6.2		12.5		5		-				-		-	
SR5A	Fine	Moderate	10:29	5.2	Surface	1.0	0.1	7	24.7	24.7	7.9	7.9	29.4	29.4	88.8	88.8	6.2	6.2	4.8	6.6	4	4	-	-	816575	810713	-	-	-	-
						1.0	0.1	7	24.7		7.9		29.4		88.8		6.2		4.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	111	24.5	24.5	7.9	7.9	30.0	30.0	88.3	88.4	6.2	6.2	8.4		4		-				-		-	
						4.2	0.1	114	24.5		7.9		30.0		88.4		6.2		8.3		4		-				-		-	
SR6	Fine	Moderate	10:02	4.8	Surface	1.0	0.1	299	24.5	24.5	7.9	7.9	29.1	29.1	87.6	87.6	6.2	6.2	4.3	8.4	4	4	-	-	817893	814652	-	-	-	-
						1.0	0.1	309	24.5		7.9		29.1		87.5		6.2		4.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	109	24.7	24.7	7.9	7.9	29.4	29.4	87.7	87.9	6.2	6.2	12.6		4		-				-		-	
						3.8	0.1	109	24.7		7.9		29.4		88.0		6.2		12.5		4		-				-		-	
SR7	Fine	Moderate	09:08	15.4	Surface	1.0	0.2	89	24.7	24.7	7.9	7.9	32.2	32.2	86.0	86.1	6.0	6.0	3.2	4.9	4	3	-	-	823644	823720	-	-	-	-
						1.0	0.3	96	24.7		7.9		32.2		86.1		6.0		3.2		3		-				-		-	
					Middle	7.7	0.1	86	24.7	24.7	7.8	7.8	32.6	32.6	85.1	85.1	5.9		5.3		3		-				-		-	
						7.7	0.1	90	24.7		7.8		32.6		85.1		5.9		5.3		4		-				-		-	
					Bottom	14.4	0.1	187	24.7	24.7	7.8	7.8	32.8	32.8	84.6	84.6	5.8	5.8	6.2		3		-				-		-	
						14.4	0.1	205	24.7		7.8		32.8		84.6		5.8		6.1		3		-				-		-	
SR8	Fine	Moderate	10:29	4.1	Surface	1.0	-	-	25.0	25.0	8.1	8.1	29.8	29.8	92.3	92.3	6.4	6.4	7.0	7.6	8	7	-	-	820486	811639	-	-	-	-
						1.0	-	-	25.0		8.1		29.8		92.3		6.4		7.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	-	-	24.7	24.7	8.1	8.1	30.3	30.3	92.0	92.0	6.4	6.4	8.2		6		-				-		-	
						3.1	-	-	24.7		8.1		30.3		92.0		6.4		8.3		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**
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 November 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	16:39	8.5	Surface	1.0	0.2	17	24.5	24.5	7.9	7.9	31.3	31.3	93.6	93.5	6.5	6.5	6.4	9.5	4	3	85	90	815600	804224	<0.2	<0.2	1.0	1.0
						1.0	0.2	21	24.5		7.9		31.3		93.4		6.5		6.5		3		87				<0.2		1.1	
					Middle	4.3	0.1	19	24.4	24.4	7.8	7.8	31.6	31.7	91.9	91.8	6.4		8.7		3		89				<0.2		0.9	
						4.3	0.1	19	24.4		7.8		31.7		91.6		6.4		8.7		3		91				<0.2		1.0	
					Bottom	7.5	0.0	22	24.4	24.4	7.9	7.9	32.0	32.0	91.0	91.1	6.3	6.3	13.3		3		93				<0.2		0.9	
						7.5	0.0	23	24.4		7.9		32.0		91.1		6.3		13.3		4		94				<0.2		1.0	
C2	Fine	Rough	15:23	11.4	Surface	1.0	0.5	13	25.0	25.0	7.8	7.8	29.4	29.4	95.3	95.3	6.7	6.7	2.8	7.0	2	2	84	87	825678	806947	<0.2	<0.2	1.8	1.8
						1.0	0.5	17	25.0		7.8		29.4		95.2		6.7		2.8		3		83				<0.2		1.7	
					Middle	5.7	0.6	13	24.9	24.9	7.8	7.8	29.5	29.5	93.8	93.8	6.6		5.6		2		87				<0.2		1.8	
						5.7	0.6	13	24.9		7.8		29.5		93.7		6.6		5.7		2		87				<0.2		1.8	
					Bottom	10.4	0.3	19	24.8	24.8	7.8	7.8	29.8	29.8	92.3	92.3	6.5	6.5	12.5		<2		92				<0.2		1.8	
						10.4	0.3	19	24.8		7.8		29.8		92.3		6.5		12.5		2		91				<0.2		1.8	
C3	Fine	Moderate	17:27	12.4	Surface	1.0	0.4	248	24.8	24.8	7.9	7.9	30.5	30.5	91.5	91.5	6.4	6.2	6.4	10.5	4	3	84	88	822095	817825	<0.2	<0.2	1.4	1.4
						1.0	0.4	254	24.8		7.9		30.5		91.4		6.4		6.5		4		85				<0.2		1.3	
					Middle	6.2	0.4	262	24.8	24.8	7.9	7.9	31.3	31.3	86.3	86.3	6.0		8.9		3		88				<0.2		1.3	
						6.2	0.4	268	24.8		7.9		31.3		86.3		6.0		9.0		3		88				<0.2		1.3	
					Bottom	11.4	0.3	254	24.8	24.8	7.8	7.8	31.7	31.7	85.2	85.2	5.9	5.9	16.1		2		92				<0.2		1.4	
						11.4	0.3	258	24.8		7.8		31.7		85.1		5.9		16.1		3		92				<0.2		1.4	
IM1	Fine	Rough	16:22	5.8	Surface	1.0	0.0	348	24.5	24.5	7.9	7.9	31.4	31.4	91.3	91.2	6.4	6.4	8.4	8.9	7	8	84	89	817971	807144	<0.2	<0.2	1.4	1.4
						1.0	0.0	320	24.5		7.9		31.5		91.1		6.4		8.5		8		85				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.0	59	24.5	24.5	7.9	7.9	31.5	31.5	90.6	90.6	6.3	6.3	9.3		8		93				<0.2		1.4	
						4.8	0.0	59	24.5		7.9		31.5		90.6		6.3		9.5		8		94				<0.2		1.4	
IM2	Fine	Rough	16:16	6.7	Surface	1.0	0.3	102	24.6	24.6	7.9	7.9	31.0	31.0	93.3	93.3	6.5	6.5	10.6	11.5	8	9	85	90	818180	806162	<0.2	<0.2	1.4	1.4
						1.0	0.3	108	24.6		7.9		31.0		93.2		6.5		10.8		7		87				<0.2		1.4	
					Middle	3.4	0.2	105	24.5	24.5	7.9	7.9	31.1	31.1	92.5	92.5	6.5		11.1		9		90				<0.2		1.4	
						3.4	0.2	105	24.5		7.9		31.1		92.4		6.5		11.2		9		91				<0.2		1.4	
					Bottom	5.7	0.1	45	24.5	24.5	7.9	7.9	31.2	31.2	91.9	91.9	6.4	6.4	12.5		10		93				<0.2		1.4	
						5.7	0.1	49	24.5		7.9		31.2		91.9		6.4		12.7		10		95				<0.2		1.4	
IM3	Fine	Rough	16:10	6.4	Surface	1.0	0.3	72	24.6	24.6	7.9	7.9	30.6	30.6	92.9	92.9	6.5	6.5	7.1	8.6	9	11	86	90	818760	805588	<0.2	<0.2	1.4	1.4
						1.0	0.3	79	24.6		7.9		30.6		92.9		6.5		7.3		9		88				<0.2		1.3	
					Middle	3.2	0.3	51	24.6	24.6	7.9	7.9	30.6	30.6	92.6	92.6	6.5		8.4		10		90				<0.2		1.4	
						3.2	0.3	50	24.6		7.9		30.6		92.6		6.5		8.3		12		91				<0.2		1.3	
					Bottom	5.4	0.2	57	24.6	24.6	7.9	7.9	30.6	30.6	92.7	92.8	6.5	6.5	10.2		12		92				<0.2		1.4	
						5.4	0.2	60	24.5		7.9		30.6		92.8		6.5		10.3		13		94				<0.2		1.4	
IM4	Fine	Rough	16:01	6.2	Surface	1.0	0.6	33	24.6	24.6	7.9	7.9	30.3	30.4	92.0	91.9	6.4	6.4	12.1	15.4	4	6	85	90	819704	804590	<0.2	<0.2	1.5	1.4
						1.0	0.7	30	24.6		7.9		30.4		91.7		6.4		12.1		4		87				<0.2		1.3	
					Middle	3.1	0.5	38	24.5	24.5	8.0	8.0	30.6	30.6	91.5	91.5	6.4		16.6		6		89				<0.2		1.4	
						3.1	0.5	43	24.5		8.0		30.6		91.5		6.4		16.8		6		91				<0.2		1.3	
					Bottom	5.2	0.5	36	24.5	24.5	8.0	8.0	30.6	30.6	91.5	91.5	6.4	6.4	17.5		8		94				<0.2		1.4	
						5.2	0.5	34	24.5		8.0		30.6		91.5		6.4		17.3		7		94				<0.2		1.4	
IM5	Fine	Rough	15:54	6.5	Surface	1.0	0.7	25	24.7	24.7	8.0	8.0	29.6	29.6	93.1	93.1	6.5	6.5	5.9	8.3	4	4	85	90	820731	804885	<0.2	<0.2	1.4	1.4
						1.0	0.8	22	24.7		8.0		29.7		93.0		6.5		6.2		3		87				<0.2		1.4	
					Middle	3.3	0.6	18	24.6	24.6	8.0	8.0	30.2	30.2	92.7	92.7	6.5		8.0		3		89				<0.2		1.4	
						3.3	0.6	21	24.6		8.0		30.2		92.7		6.5		8.3		4		91				<0.2		1.3	
					Bottom	5.5	0.5	28	24.6	24.6	8.0	8.0	30.4	30.4	92.6	92.6	6.5	6.5	10.5		4		93				<0.2		1.4	
						5.5	0.5	25	24.6		8.0		30.4		92.6		6.5		10.8		4		94				<0.2		1.4	
IM6	Fine	Rough	15:49	7.1	Surface	1.0	0.6	67	24.7	24.7	7.9	7.9	29.4	29.4	92.0	92.0	6.5	6.5	4.7	7.7	3	4	85	90	821045	805847	<0.2	<0.2	1.3	1.4
						1.0	0.6	63	24.7		7.9		29.4		92.0		6.5		4.8		4		86				<0.2		1.5	
					Middle	3.6	0.4	60	24.5	24.5	7.9	7.9	30.6	30.6	91.7	91.7	6.4		9.0		3		89				<0.2		1.4	
						3.6	0.4	63	24.5		7.9		30.6		91.7		6.4		9.1		4		90				<0.2		1.4	
					Bottom	6.1	0.4	47	24.5	24.5	7.9	7.9	30.7	30.7	91.6	91.6	6.4	6.4	9.4		3		94				<0.2		1.4	
						6.1	0.4	52	24.5		8.0		30.7		91.6		6.4		9.4		4		95				<0.2		1.4	
IM7	Fine	Rough	15:41	7.7	Surface	1.0	0.6	57	24.8	24.8	8.0	8.0	28.7	28.7	92.7	92.5	6.5	6.4	3.4	7.3	2	3	85	90	821353	806813	<0.2	<0.2	1.6	1.4
						1.0	0.6	52	24.8		8.0		28.8		92.3		6.5		3.5		2		85				<0.2		1.4	
					Middle	3.9	0.5	63	24.6	24.6	8.0	7.9	29.8	29.9	90.1	90.0	6.3		7.4		2		89				<0.2		1.4	
						3.9	0.6	62	24.6		7.9		30.0		89.9		6.3		7.7		2		90				<0.2		1.4	
					Bottom	6.7	0.3	86	24.5	24.5	7.9	7.9	31.2	31.2	89.4	89.4	6.2	6.2	10.7		4		93				<0.2		1.4	
						6.7	0.4	94	24.5		8.0		31.2		89.3		6.2		11.0		4		95				<0.2		1.4	
IM8	Fine	Moderate	15:51	8.2	Surface	1.0	0.5	228	24.9	24.9	7.9	7.9	29.4	29.4	94.3	94.4	6.6	6.5	4.2	5.8	3	3	85	88	821834	808132	<0.2	<0.2	1.8	1.8
						1.0	0.5	243	24.9		7.9		29.4		94.4		6.6		4.2		3		84				<0.2		1.8	
					Middle	4.1	0.4	225	24.8	24.8	7.9	7.9	30.4	30.4	90.4	90.4	6.3		5.8		3		88				<0.2		1.9	
						4.1	0.4	237	24.8		7.9		30.4		90.4		6.3		5.8		2		89				<0.2		1.7	
					Bottom	7.2	0.2	252	24.7	24.7	7.9	7.9	30.6	30.6	91.0	91.0	6.4	6.4	7.3		2		92				<0.2		1.7	
						7.2	0.2	264	24.7		7.9		30.6		91.0		6.4		7.2		3		92				<0.2		1.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 20 November 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	15:58	7.7	Surface	1.0	0.3	224	25.0	25.0	7.9	7.9	29.5	29.5	93.5	93.6	6.5	6.4	4.4	6.0	3	4	84	88	822117	808797	<0.2	<0.2	1.9	1.8
						1.0	0.3	240	25.0		7.9		29.5		93.6		6.6		4.4		4		84				<0.2		1.7	
					Middle	3.9	0.2	223	24.8	24.8	7.9	7.9	30.5	30.5	89.9	89.9	6.3		6.5		3		88				<0.2		1.6	
						3.9	0.3	226	24.8		7.9		30.5		89.9		6.3		6.6		3		88				<0.2		1.8	
					Bottom	6.7	0.2	247	24.8	24.8	7.9	7.9	30.5	30.5	90.2	90.1	6.3	6.3	7.0		4		92				<0.2		1.9	
						6.7	0.2	249	24.8		7.9		30.5		90.0		6.3		7.0		4		92				<0.2		1.8	
IM10	Fine	Moderate	16:08	7.4	Surface	1.0	0.2	227	25.0	25.0	7.9	7.9	29.6	29.6	92.7	92.7	6.5	6.4	2.6	4.4	4	4	84	88	822385	809773	<0.2	<0.2	1.7	1.7
						1.0	0.2	203	25.0		7.9		29.6		92.6		6.5		2.6		3		83				<0.2		1.7	
					Middle	3.7	0.2	220	24.8	24.8	7.9	7.9	30.4	30.4	89.3	89.3	6.2		4.7		6		88				<0.2		1.6	
						3.7	0.2	243	24.8		7.9		30.4		89.2		6.2		4.7		5		89				<0.2		1.8	
					Bottom	6.4	0.2	247	24.8	24.8	7.9	7.9	30.5	30.5	90.7	90.7	6.3	6.3	6.0		4		92				<0.2		1.7	
						6.4	0.2	271	24.8		7.9		30.5		90.7		6.3		6.0		4		92				<0.2		1.6	
IM11	Fine	Moderate	16:21	7.8	Surface	1.0	0.1	223	24.8	24.8	7.9	7.9	29.7	29.7	93.2	93.2	6.5	6.4	1.5	3.2	4	4	85	88	822051	811453	<0.2	<0.2	1.6	1.6
						1.0	0.1	239	24.8		7.9		29.7		93.1		6.5		1.5		5		84				<0.2		1.6	
					Middle	3.9	0.1	253	24.8	24.8	7.9	7.9	30.1	30.1	90.6	90.6	6.3		3.3		4		88				<0.2		1.6	
						3.9	0.1	271	24.8		7.9		30.1		90.5		6.3		3.4		4		89				<0.2		1.5	
					Bottom	6.8	0.1	300	24.7	24.7	7.9	7.9	30.5	30.5	91.2	91.3	6.4	6.4	4.6		4		92				<0.2		1.8	
						6.8	0.1	309	24.7		7.9		30.5		91.3		6.4		4.6		4		92				<0.2		1.7	
IM12	Fine	Moderate	16:28	8.7	Surface	1.0	0.2	265	25.0	25.0	7.9	7.9	29.8	29.8	95.5	95.5	6.7	6.6	4.7	5.7	2	4	84	88	821452	812027	<0.2	<0.2	1.7	1.6
						1.0	0.3	286	25.0		7.9		29.8		95.5		6.7		4.7		2		84				<0.2		1.7	
					Middle	4.4	0.2	256	24.9	24.9	7.9	7.9	30.0	30.0	93.1	93.1	6.5		5.6		4		87				<0.2		1.6	
						4.4	0.2	257	24.9		7.9		30.0		93.0		6.5		5.6		4		88				<0.2		1.7	
					Bottom	7.7	0.2	286	24.7	24.7	7.9	7.9	30.4	30.4	92.2	92.3	6.4	6.5	6.8		5		91				<0.2		1.5	
						7.7	0.2	292	24.7		7.9		30.4		92.3		6.5		6.8		5		92				<0.2		1.6	
SR1A	Fine	Moderate	16:47	7.1	Surface	1.0	-	-	24.8	24.8	8.0	8.0	29.9	29.9	94.3	94.3	6.6	6.6	8.3	8.7	6	6	-	-	820068	812584	-	-	-	-
						1.0	-	-	24.8		8.0		29.9		94.2		6.6		8.3		6		-				-		-	
					Middle	3.6	-	-	24.8	24.8	7.9	7.9	30.0	30.0	92.5	92.5	6.5		9.0		6		-				-		-	
						3.6	-	-	24.8		7.9		30.0		92.4		6.5		9.0		6		-				-		-	
					Bottom	6.1	-	-	24.8	24.8	7.9	7.9	30.3	30.3	91.5	91.6	6.4	6.4	8.8		6		-				-		-	
						6.1	-	-	24.8		7.9		30.3		91.6		6.4		8.8		6		-				-		-	
SR2	Fine	Moderate	17:00	4.8	Surface	1.0	0.2	301	24.8	24.8	7.9	7.9	29.8	29.8	95.2	95.1	6.7	6.7	7.9	9.2	3	3	84	86	821483	814166	<0.2	<0.2	1.6	1.6
						1.0	0.2	316	24.8		7.9		29.8		95.0		6.7		7.9		3		84				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	294	24.8	24.8	7.9	7.9	30.1	30.1	93.2	93.3	6.5	6.5	10.4		4		88				<0.2		1.6	
						3.8	0.2	307	24.8		7.9		30.1		93.3		6.5		10.4		3		88				<0.2		1.7	
SR3	Fine	Moderate	15:44	9.7	Surface	1.0	0.6	25	24.9	24.9	7.9	7.9	29.4	29.4	93.8	93.8	6.6	6.5	5.6	7.1	3	4	-	-	822131	807592	-	-	-	-
						1.0	0.6	29	24.9		7.9		29.4		93.8		6.6		5.6		4		-				-		-	
					Middle	4.9	0.4	16	24.7	24.7	7.8	7.8	30.4	30.4	90.4	90.5	6.3		7.3		3		-				-		-	
						4.9	0.5	17	24.7		7.8		30.4		90.5		6.3		7.3		4		-				-		-	
					Bottom	8.7	0.3	27	24.7	24.7	7.8	7.8	30.6	30.6	92.1	92.2	6.4	6.4	8.5		5		-				-		-	
						8.7	0.4	24	24.7		7.8		30.6		92.2		6.4		8.5		5		-				-		-	
SR4A	Fine	Moderate	16:59	7.2	Surface	1.0	0.6	238	24.8	24.8	7.8	7.8	29.8	29.8	92.3	92.4	6.5	6.5	6.3	9.5	6	5	-	-	817201	807816	-	-	-	-
						1.0	0.6	250	24.8		7.8		29.8		92.4		6.5		6.2		6		-				-		-	
					Middle	3.6	0.5	244	24.6	24.6	7.8	7.8	30.2	30.3	91.3	91.1	6.4		8.3		4		-				-		-	
						3.6	0.5	260	24.6		7.8		30.4		90.9		6.4		8.4		5		-				-		-	
					Bottom	6.2	0.3	249	24.5	24.5	7.8	7.8	31.0	30.9	90.3	90.5	6.3	6.3	14.3		4		-				-		-	
						6.2	0.3	270	24.5		7.8		30.9		90.7		6.3		13.6		5		-				-		-	
SR5A	Fine	Moderate	17:18	5.6	Surface	1.0	0.4	297	24.7	24.7	7.9	7.9	29.8	29.8	89.7	89.7	6.3	6.3	8.2	9.1	5	5	-	-	816595	810675	-	-	-	-
						1.0	0.4	314	24.7		7.9		29.8		89.6		6.3		8.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.2	289	24.7	24.7	7.9	7.9	29.9	29.9	89.5	89.6	6.3	6.3	10.0		4		-				-		-	
						4.6	0.2	317	24.7		7.9		29.9		89.6		6.3		10.2		5		-				-		-	
SR6	Fine	Moderate	18:00	3.8	Surface	1.0	0.2	232	24.8	24.8	7.7	7.7	29.4	29.4	86.8	86.7	6.1	6.1	8.0	8.5	5	6	-	-	817917	814683	-	-	-	-
						1.0	0.2	245	24.8		7.7		29.4		86.5		6.1		8.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	239	24.8	24.8	7.6	7.6	29.4	29.4	86.2	86.1	6.1	6.1	8.7		5		-				-		-	
						2.8	0.3	259	24.8		7.6		29.4		86.0		6.0		8.9		6		-				-		-	
SR7	Fine	Moderate	18:02	14.7	Surface	1.0	0.3	270	24.8	24.8	7.9	7.9	31.7	31.7	89.0	89.0	6.2	6.1	5.9	6.6	2	2	-	-	823643	823761	-	-	-	-
						1.0	0.3	270	24.8		7.9		31.8		89.0		6.2		5.9		2		-				-		-	
					Middle	7.4	0.2	255	24.7	24.7	7.9	7.9	32.1	32.1	86.7	86.7	6.0		6.6		2		-				-		-	
						7.4	0.2	257	24.7		7.9		32.1		86.7		6.0		6.7		<2		-				-		-	
					Bottom	13.7	0.2	270	24.7	24.7	7.8	7.8	32.2	32.2	87.2	87.2	6.0	6.0	7.3		3		-				-		-	
						13.7	0.3	275	24.7		7.8		32.2		87.2		6.0		7.3		2		-				-		-	
SR8	Fine	Moderate	16:38	3.9	Surface	1.0	-	-	24.9	24.9	7.9	7.9	29.8	29.8	97.1	97.1	6.8	6.8	5.7	6.4	3	4	-	-	820488	811677	-	-	-	-
						1.0	-	-	24.9		7.9		29.8		97.1		6.8		5.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	-	-	24.8	24.8	8.0	8.0	29.9	29.9	96.8	96.9	6.8	6.8	7.0		5		-				-		-	
						2.9	-	-	24.8		8.0		29.9		97.0		6.8		7.0		4		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
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 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Fine	Moderate	11:34	7.9	Surface	1.0	0.3	221	23.6	23.6	8.2	8.2	31.2	31.2	97.9	97.9	6.9	6.9	9.6	13.4	10	10	84	89	815603	804252	<0.2	<0.2	1.0	1.0
						1.0	0.3	235	23.6		8.2		31.2		97.8		6.9		9.6		9		85				<0.2		1.0	
					Middle	4.0	0.3	216	23.6	23.6	8.2	8.2	31.3	31.3	96.4	96.4	6.8		10.0		10		89				<0.2		1.1	
						4.0	0.3	221	23.6		8.2		31.3		96.3		6.8		10.0		9		89				<0.2		1.0	
					Bottom	6.9	0.2	216	23.6	23.6	8.2	8.2	32.4	32.4	94.6	94.6	6.7	6.7	20.3		10		93				<0.2		1.0	
						6.9	0.3	233	23.6		8.2		32.4		94.6		6.7		20.7		9		94				<0.2		0.9	
C2	Fine	Moderate	13:33	10.7	Surface	1.0	0.7	160	23.8	23.8	8.1	8.1	29.8	29.8	96.7	96.7	6.9	6.9	10.7	12.9	9	10	86	90	825687	806960	<0.2	<0.2	1.1	1.2
						1.0	0.7	169	23.8		8.1		29.8		96.7		6.9		10.7		10		86				<0.2		1.2	
					Middle	5.4	0.6	179	23.7	23.7	8.1	8.1	30.4	30.4	96.2	96.2	6.8		12.0		9		91				<0.2		1.2	
						5.4	0.6	192	23.7		8.1		30.4		96.1		6.8		12.1		10		90				<0.2		1.3	
					Bottom	9.7	0.3	154	23.7	23.7	8.1	8.1	30.8	30.8	95.7	95.7	6.8	6.8	15.9		12		94				<0.2		1.2	
						9.7	0.3	165	23.7		8.1		30.8		95.7		6.8		15.9		10		94				<0.2		1.1	
C3	Fine	Moderate	10:54	9.8	Surface	1.0	0.2	80	24.0	24.0	8.1	8.1	30.7	30.7	92.7	92.8	6.6	6.6	7.9	10.2	7	8	86	91	822107	817782	<0.2	<0.2	1.1	1.1
						1.0	0.2	85	24.0		8.1		30.7		92.8		6.6		7.9		7		87				<0.2		1.3	
					Middle	4.9	0.3	90	23.9	23.9	8.1	8.1	30.9	30.9	93.0	93.1	6.6		8.8		8		91				<0.2		1.0	
						4.9	0.3	97	23.9		8.1		30.9		93.1		6.6		8.7		8		91				<0.2		1.1	
					Bottom	8.8	0.2	99	23.7	23.7	8.1	8.1	31.5	31.5	93.2	93.1	6.6	6.6	14.1		9		95				<0.2		1.1	
						8.8	0.3	104	23.7		8.1		31.5		93.0		6.6		13.7		9		95				<0.2		1.1	
IM1	Fine	Moderate	11:59	4.8	Surface	1.0	0.2	186	23.7	23.7	8.2	8.2	31.1	31.1	96.9	96.9	6.9	6.9	11.5	14.4	13	12	85	89	817931	807155	<0.2	<0.2	0.9	1.0
						1.0	0.2	201	23.7		8.2		31.1		96.9		6.9		11.5		11		85				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	197	23.6	23.6	8.1	8.1	31.2	31.2	96.4	96.4	6.8	6.8	17.1		12		92				<0.2		1.0	
						3.8	0.2	215	23.6		8.1		31.2		96.4		6.8		17.3		13		93				<0.2		1.0	
IM2	Fine	Moderate	12:07	6.3	Surface	1.0	0.3	193	23.7	23.7	8.2	8.2	31.1	31.1	96.2	96.2	6.8	6.8	8.6	11.2	9	10	87	90	818151	806158	<0.2	<0.2	1.0	1.0
						1.0	0.3	210	23.7		8.2		31.1		96.1		6.8		8.6		9		87				<0.2		1.0	
					Middle	3.2	0.3	201	23.6	23.6	8.1	8.1	31.4	31.4	94.9	94.9	6.7		9.5		10		89				<0.2		1.0	
						3.2	0.3	204	23.6		8.1		31.4		94.9		6.7		9.7		10		89				<0.2		1.1	
					Bottom	5.3	0.2	185	23.6	23.6	8.1	8.1	31.7	31.7	94.8	94.8	6.7	6.7	15.5		10		92				<0.2		1.0	
						5.3	0.2	196	23.6		8.1		31.7		94.8		6.7		15.4		11		93				<0.2		1.0	
IM3	Fine	Moderate	12:15	6.6	Surface	1.0	0.2	198	23.8	23.8	8.1	8.1	31.0	31.0	96.4	96.4	6.8	6.8	10.9	11.4	12	13	87	92	818788	805600	<0.2	<0.2	1.0	1.0
						1.0	0.2	199	23.8		8.1		31.0		96.3		6.8		10.9		13		88				<0.2		1.0	
					Middle	3.3	0.2	201	23.8	23.8	8.1	8.1	31.1	31.1	95.8	95.8	6.8		10.6		14		92				<0.2		1.0	
						3.3	0.3	205	23.8		8.1		31.1		95.8		6.8		10.8		13		93				<0.2		1.1	
					Bottom	5.6	0.2	197	23.7	23.7	8.1	8.1	31.6	31.6	94.5	94.6	6.7	6.7	12.5		13		95				<0.2		1.1	
						5.6	0.2	197	23.7		8.1		31.6		94.6		6.7		12.7		12		96				<0.2		1.0	
IM4	Fine	Moderate	12:25	6.8	Surface	1.0	0.5	193	23.8	23.8	8.1	8.1	30.6	30.6	97.8	97.8	6.9	6.9	12.0	17.4	11	12	87	90	819706	804622	<0.2	<0.2	1.2	1.2
						1.0	0.5	197	23.8		8.1		30.6		97.8		6.9		12.4		12		87				<0.2		1.2	
					Middle	3.4	0.4	187	23.7	23.7	8.1	8.1	30.7	30.7	97.1	97.1	6.9		15.7		11		90				<0.2		1.3	
						3.4	0.4	197	23.7		8.1		30.7		97.1		6.9		15.9		12		90				<0.2		1.3	
					Bottom	5.8	0.3	189	23.7	23.7	8.1	8.1	30.8	30.8	96.8	96.8	6.9	6.9	24.2		12		93				<0.2		1.2	
						5.8	0.3	191	23.7		8.1		30.8		96.8		6.9		24.4		12		93				<0.2		1.1	
IM5	Fine	Moderate	12:38	6.1	Surface	1.0	0.5	195	23.9	23.9	8.1	8.1	30.1	30.1	96.7	96.7	6.9	6.9	12.2	18.1	12	12	88	93	820725	804860	<0.2	<0.2	1.4	1.4
						1.0	0.6	206	23.9		8.1		30.1		96.7		6.9		12.2		12		89				<0.2		1.3	
					Middle	3.1	0.4	194	23.7	23.7	8.1	8.1	30.8	30.8	95.4	95.4	6.8		17.2		13		93				<0.2		1.4	
						3.1	0.4	212	23.7		8.1		30.8		95.4		6.8		17.3		13		94				<0.2		1.4	
					Bottom	5.1	0.3	193	23.7	23.7	8.1	8.1	30.9	30.9	95.1	95.1	6.7	6.7	25.0		12		96				<0.2		1.4	
						5.1	0.3	205	23.7		8.1		30.9		95.1		6.7		24.9		12		97				<0.2		1.5	
IM6	Fine	Moderate	12:50	6.5	Surface	1.0	0.3	213	23.8	23.8	8.1	8.1	29.8	29.8	96.5	96.5	6.9	6.9	11.0	15.5	10	11	89	93	821069	805847	<0.2	<0.2	1.7	1.6
						1.0	0.3	231	23.8		8.1		29.8		96.4		6.9		10.9		10		89				<0.2		1.6	
					Middle	3.3	0.3	221	23.7	23.7	8.1	8.1	30.7	30.7	95.6	95.6	-		13.1		10		93				<0.2		1.6	
						3.3	0.3	231	23.7		8.1		30.7		95.6		-		13.3		11		94				<0.2		1.6	
					Bottom	5.5	0.2	248	23.7	23.7	8.1	8.1	31.0	31.0	94.9	94.9	6.7	6.7	22.1		12		97				<0.2		1.5	
						5.5	0.2	262	23.7		8.1		31.0		94.9		6.7		22.4		11		98				<0.2		1.4	
IM7	Fine	Moderate	12:58	7.1	Surface	1.0	0.4	215	23.8	23.8	8.1	8.1	29.8	29.8	96.6	96.6	6.9	6.9	10.9	14.0	10	10	88	93	821370	806852	<0.2	<0.2	1.7	1.6
						1.0	0.4	233	23.8		8.1		29.8		96.6		6.9		10.9		9		89				<0.2		1.6	
					Middle	3.6	0.3	232	23.7	23.7	8.1	8.1	30.6	30.6	95.9	95.9	6.8		12.7		9		92				<0.2		1.6	
						3.6	0.3	238	23.7		8.1		30.6		95.8		6.8		12.7		10		93				<0.2		1.4	
					Bottom	6.1	0.2	235	23.7	23.7	8.1	8.1	30.9	30.9	95.2	95.2	6.8	6.8	18.0		10		96				<0.2		1.8	
						6.1	0.2	239	23.7		8.1		30.9		95.2		6.8		18.6		9		97				<0.2		1.7	
IM8	Fine	Moderate	12:56	7.4	Surface	1.0	0.2	170	23.9	23.9	8.1	8.1	30.1	30.1	97.0	97.0	6.9	6.9	12.2	16.9	12	13	87	91	821810	808117	<0.2	<0.2	1.0	1.2
						1.0	0.2	185	23.9		8.1		30.1		96.9		6.9		12.2		12		86				<0.2		1.2	
					Middle	3.7	0.2	167	23.7	23.7	8.1	8.1	30.7	30.7	95.9	95.9	6.8		15.5		13		91				<0.2		1.5	
						3.7	0.3	170	23.7		8.1		30.7		95.9		6.8		15.6		14		91				<0.2		1.4	
					Bottom	6.4	0.1	82	23.7	23.7	8.1	8.1	30.8	30.8	95.6	95.7	6.8	6.8	21.7		14		95				<0.2		1.1	
						6.4	0.1	84	23.7		8.1		30.8		95.7		6.8		24.2		14		95				<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 November 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	12:47	6.9	Surface	1.0	0.3	134	23.8	23.8	8.1	8.1	30.5	30.5	98.0	98.0	7.0	7.0	11.3	17.0	14	13	86	91	822075	808815	<0.2	<0.2	1.1	1.1
						1.0	0.3	145	23.8		8.1		30.5		98.0		7.0		11.6		14		87				<0.2		1.1	
					Middle	3.5	0.3	122	23.7	23.7	8.1	8.1	30.8	30.8	97.1	97.1	6.9		17.9		13		90				<0.2		1.1	
						3.5	0.3	124	23.7		8.1		30.8		97.1		6.9		17.9		12		91				<0.2		1.1	
					Bottom	5.9	0.3	98	23.7	23.7	8.1	8.1	30.8	30.8	96.9	96.9	6.9	6.9	21.5		11		95				<0.2		1.0	
						5.9	0.3	98	23.7		8.1		30.8		96.9		6.9		21.9		12		95				<0.2		1.1	
IM10	Fine	Moderate	12:33	7.0	Surface	1.0	0.5	132	23.8	23.8	8.1	8.1	31.0	31.0	96.6	96.6	6.8	6.8	10.7	11.8	12	13	86	91	822388	809808	<0.2	<0.2	1.5	1.3
						1.0	0.5	135	23.8		8.1		31.0		96.5		6.8		10.6		13		87				<0.2		1.3	
					Middle	3.5	0.5	139	23.8	23.8	8.1	8.1	31.1	31.1	95.5	95.5	6.8		10.6		12		92				<0.2		1.0	
						3.5	0.5	139	23.8		8.1		31.1		95.4		6.8		10.7		12		91				<0.2		1.2	
					Bottom	6.0	0.4	133	23.7	23.7	8.1	8.1	31.7	31.7	94.2	94.3	6.7	6.7	14.0		14		94				<0.2		1.5	
						6.0	0.4	136	23.7		8.1		31.7		94.4		6.7		14.1		13		95				<0.2		1.5	
IM11	Fine	Moderate	12:15	8.5	Surface	1.0	0.4	113	23.7	23.7	8.2	8.2	31.1	31.1	96.4	96.4	6.8	6.8	8.5	10.6	10	9	86	91	822067	811469	<0.2	<0.2	1.2	1.3
						1.0	0.5	114	23.7		8.2		31.1		96.3		6.8		8.5		9		87				<0.2		1.0	
					Middle	4.3	0.5	111	23.7	23.7	8.2	8.2	31.3	31.3	94.9	94.9	6.7		9.4		9		91				<0.2		1.4	
						4.3	0.5	116	23.7		8.2		31.3		94.9		6.7		9.5		9		91				<0.2		1.4	
					Bottom	7.5	0.2	100	23.6	23.6	8.2	8.2	31.7	31.7	94.7	94.8	6.7	6.7	13.8		9		95				<0.2		1.4	
						7.5	0.3	106	23.6		8.2		31.7		94.8		6.7		13.9		8		95				<0.2		1.4	
IM12	Fine	Moderate	12:06	9.9	Surface	1.0	0.4	109	23.7	23.7	8.2	8.2	31.1	31.1	97.5	97.5	6.9	6.9	11.4	14.5	13	14	86	92	821469	812063	<0.2	<0.2	1.1	1.2
						1.0	0.4	109	23.7		8.2		31.1		97.4		6.9		11.5		14		91				<0.2		1.1	
					Middle	5.0	0.4	105	23.7	23.7	8.2	8.2	31.2	31.2	96.7	96.7	6.9		11.4		14		91				<0.2		1.1	
						5.0	0.4	109	23.7		8.2		31.2		96.6		6.8		11.8		13		91				<0.2		1.2	
					Bottom	8.9	0.3	101	23.7	23.7	8.2	8.2	31.2	31.2	96.3	96.3	6.8	6.8	20.2		15		95				<0.2		1.2	
						8.9	0.3	102	23.7		8.2		31.2		96.3		6.8		20.5		14		95				<0.2		1.2	
SR1A	Fine	Moderate	11:34	7.3	Surface	1.0	-	-	23.6	23.6	8.1	8.1	31.2	31.2	96.8	96.8	6.9	6.9	14.5	15.1	11	12	-	-	820070	812585	-	-	-	-
						1.0	-	-	23.6		8.1		31.2		96.7		6.9		14.6		11		-				-		-	
					Middle	3.7	-	-	23.6	23.6	8.1	8.1	31.5	31.5	96.1	96.1	6.8		12.8		11		-				-		-	
						3.7	-	-	23.6		8.1		31.5		96.0		6.8		13.0		11		-				-		-	
					Bottom	6.3	-	-	23.6	23.6	8.1	8.1	31.7	31.6	95.5	95.5	6.8	6.8	17.7		14		-				-		-	
						6.3	-	-	23.6		8.1		31.6		95.5		6.8		17.8		14		-				-		-	
SR2	Fine	Moderate	11:16	5.0	Surface	1.0	0.4	90	23.6	23.6	8.1	8.1	31.2	31.2	97.4	97.4	6.9	6.9	14.0	15.9	15	15	86	88	821444	814153	<0.2	<0.2	1.5	1.3
						1.0	0.4	96	23.6		8.1		31.2		97.4		6.9		14.3		14		86				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	86	23.6	23.6	8.1	8.1	31.4	31.4	96.2	96.2	6.8	6.8	17.7		15		91				<0.2		1.1	
						4.0	0.3	88	23.6		8.1		31.4		96.2		6.8		17.5		16		90				<0.2		1.1	
SR3	Fine	Moderate	13:05	8.1	Surface	1.0	0.4	199	23.8	23.8	8.1	8.1	29.8	29.8	96.7	96.7	6.9	6.9	10.7	14.8	10	11	-	-	822137	807593	-	-	-	-
						1.0	0.4	218	23.8		8.1		29.8		96.7		6.9		10.8		10		-				-		-	
					Middle	4.1	0.2	187	23.7	23.7	8.1	8.1	30.5	30.5	96.0	96.0	6.8		12.2		11		-				-		-	
						4.1	0.2	190	23.7		8.1		30.5		96.0		6.8		12.1		11		-				-		-	
					Bottom	7.1	0.0	321	23.7	23.7	8.1	8.1	30.9	30.9	95.6	95.7	6.8	6.8	21.1		12		-				-		-	
						7.1	0.0	333	23.7		8.1		30.9		95.7		6.8		22.1		13		-				-		-	
SR4A	Fine	Calm	11:11	7.7	Surface	1.0	0.2	57	23.6	23.6	8.1	8.1	31.4	31.4	96.3	96.3	6.8	6.8	15.7	16.7	14	14	-	-	817167	807827	-	-	-	-
						1.0	0.2	60	23.6		8.1		31.4		96.2		6.8		15.7		14		-				-		-	
					Middle	3.9	0.2	60	23.6	23.6	8.1	8.1	31.5	31.5	95.5	95.5	6.8		17.4		14		-				-		-	
						3.9	0.2	62	23.6		8.1		31.5		95.4		6.8		17.3		14		-				-		-	
					Bottom	6.7	0.2	50	23.6	23.6	8.1	8.1	31.7	31.7	94.9	94.9	6.7	6.7	17.1		14		-				-		-	
						6.7	0.2	53	23.6		8.1		31.7		94.9		6.7		16.9		14		-				-		-	
SR5A	Fine	Calm	10:52	5.1	Surface	1.0	0.1	85	24.0	24.0	8.1	8.1	30.7	30.7	92.4	92.4	6.5	6.5	8.1	8.6	7	7	-	-	816592	810689	-	-	-	-
						1.0	0.1	93	24.0		8.1		30.7		92.4		6.5		7.9		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.2	119	23.9	23.9	8.1	8.1	30.9	30.9	92.9	93.0	6.6	6.6	9.1		7		-				-		-	
						4.1	0.2	126	23.9		8.1		30.9		93.0		6.6		9.3		8		-				-		-	
SR6	Fine	Calm	10:25	3.8	Surface	1.0	0.2	22	24.0	24.0	8.1	8.1	30.3	30.3	92.1	92.1	6.5	6.5	7.6	7.7	8	9	-	-	817897	814674	-	-	-	-
						1.0	0.2	22	24.0		8.1		30.3		92.1		6.5		7.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.2	41	23.9	23.9	8.1	8.1	30.3	30.3	92.4	92.6	6.6	6.6	7.9		9		-				-		-	
						2.8	0.2	43	23.9		8.1		30.3		92.7		6.6		7.8		9		-				-		-	
SR7	Fine	Moderate	10:24	15.9	Surface	1.0	0.2	92	24.0	24.0	8.1	8.1	30.3	30.3	91.9	91.9	6.5	6.5	7.6	9.2	8	8	-	-	823656	823761	-	-	-	-
						1.0	0.3	96	24.0		8.1		30.3		91.9		6.5		7.5		8		-				-		-	
					Middle	8.0	0.1	95	23.9	23.9	8.1	8.1	30.3	30.3	91.5	91.5	6.5		9.2		8		-				-		-	
						8.0	0.1	100	23.9		8.1		30.3		91.5		6.5		9.2		8		-				-		-	
					Bottom	14.9	0.1	174	23.9	23.9	8.1	8.1	30.3	30.3	91.4	91.4	6.5	6.5	10.7		8		-				-		-	
						14.9	0.1	179	23.9		8.1		30.3		91.4		6.5		11.3		8		-				-		-	
SR8	Fine	Moderate	11:46	3.6	Surface	1.0	-	-	23.6	23.6	8.2	8.2	31.2	31.2	98.0	98.0	6.9	6.9	9.5	9.7	10	11	-	-	820517	811649	-	-	-	-
						1.0	-	-	23.6		8.2		31.2		97.9		6.9		9.6		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	-	-	23.6	23.6	8.2	8.2	31.4	31.4	97.1	97.2	6.9	6.9	10.0		12		-				-		-	
						2.6	-	-	23.6		8.2		31.4		97.2		6.9		9.9		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**
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 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Cloudy	Moderate	17:35	7.7	Surface	1.0	0.2	99	23.8	23.8	8.1	8.1	31.1	31.1	98.5	98.5	7.0	7.0	8.5	14.1	8	8	90	94	815628	804240	<0.2	<0.2	1.5	1.3
						1.0	0.2	102	23.8		8.1		31.1		98.4		7.0		8.5		8		91				<0.2		1.3	
					Middle	3.9	0.2	90	23.8	23.8	8.1	8.1	31.3	31.3	96.5	96.5	-		10.1		8		94				<0.2		1.1	
						3.9	0.2	90	23.8		8.1		31.3		96.4		-		10.1		8		95				<0.2		1.3	
					Bottom	6.7	0.1	92	23.7	23.7	8.1	8.1	32.1	32.1	95.1	95.3	6.7	6.7	24.2		8		97				<0.2		1.3	
						6.7	0.1	99	23.7		8.1		32.0		95.4		6.7		23.3		9		97				<0.2		1.3	
C2	Cloudy	Moderate	16:17	11.4	Surface	1.0	0.2	111	23.8	23.8	8.1	8.1	29.8	29.8	96.6	96.6	6.9	6.9	10.7	13.7	10	10	89	93	825695	806944	<0.2	<0.2	1.2	1.3
						1.0	0.2	115	23.8		8.1		29.8		96.6		6.9		10.7		11		90				<0.2		1.4	
					Middle	5.7	0.0	108	23.7	23.7	8.1	8.1	30.2	30.2	96.2	96.2	-		12.1		10		93				<0.2		1.5	
						5.7	0.0	110	23.7		8.1		30.2		96.2		-		12.0		10		93				<0.2		1.3	
					Bottom	10.4	0.1	215	23.7	23.7	8.1	8.1	30.7	30.7	96.0	96.1	6.8	6.8	18.1		11		97				<0.2		1.2	
						10.4	0.1	231	23.7		8.1		30.8		96.1		6.8		18.7		10		98				<0.2		1.2	
C3	Cloudy	Moderate	17:47	9.7	Surface	1.0	0.6	75	23.9	23.9	8.1	8.1	31.0	31.0	93.8	93.8	6.6	6.6	7.5	8.6	8	7	89	93	822131	817804	<0.2	<0.2	1.3	1.4
						1.0	0.7	79	23.9		8.1		31.0		93.8		6.6		7.4		7		89				<0.2		1.4	
					Middle	4.9	0.6	79	23.9	23.9	8.1	8.1	31.1	31.1	94.1	94.1	6.6	6.6	8.7	8.6	6	7	93	93	822131	817804	<0.2	<0.2	1.4	1.4
						4.9	0.7	84	23.9		8.1		31.1		94.0		6.6		8.7		7		92				<0.2		1.3	
					Bottom	8.7	0.5	70	23.9	23.9	8.1	8.1	31.1	31.1	93.8	93.8	6.6	6.6	9.6		7		97				<0.2		1.4	
						8.7	0.6	76	23.9		8.1		31.1		93.8		6.6		9.7		7		96				<0.2		1.4	
IM1	Cloudy	Moderate	17:15	4.6	Surface	1.0	0.1	78	23.7	23.7	8.2	8.2	31.2	31.2	98.0	98.0	6.9	6.9	9.1	11.2	9	10	87	91	817928	807147	<0.2	<0.2	1.1	1.1
						1.0	0.1	85	23.7		8.2		31.2		97.9		6.9		9.1		9		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-				-		-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.0	107	23.7	23.7	8.1	8.1	31.3	31.3	97.3	97.4	6.9	6.9	12.7		12		94				<0.2		1.1	
						3.6	0.0	112	23.7		8.1		31.3		97.4		6.9		14.0		11		94				<0.2		1.0	
IM2	Cloudy	Moderate	17:08	6.7	Surface	1.0	0.2	178	23.8	23.8	8.1	8.1	30.8	30.8	96.6	96.6	6.9	6.8	10.0	10.4	15	17	86	91	818167	806159	<0.2	<0.2	1.1	1.2
						1.0	0.2	192	23.8		8.1		30.8		96.5		6.8		10.1		13		88				<0.2		1.2	
					Middle	3.4	0.2	174	23.7	23.7	8.1	8.1	31.3	31.3	95.2	95.2	6.7		9.7		17		90				<0.2		1.1	
						3.4	0.2	183	23.7		8.1		31.3		95.2		6.7		9.6		17		90				<0.2		1.2	
					Bottom	5.7	0.1	145	23.7	23.7	8.1	8.1	31.6	31.6	94.9	95.0	6.7	6.7	11.6		19		94				<0.2		1.2	
						5.7	0.1	146	23.7		8.1		31.6		95.1		6.7		11.5		19		96				<0.2		1.1	
IM3	Cloudy	Moderate	17:01	6.8	Surface	1.0	0.5	21	23.7	23.7	8.1	8.1	30.9	30.9	97.6	97.6	6.9	6.9	14.1	17.3	18	19	87	91	818798	805588	<0.2	<0.2	1.1	1.2
						1.0	0.6	21	23.7		8.1		30.9		97.6		6.9		14.1		18		88				<0.2		1.1	
					Middle	3.4	0.4	19	23.7	23.7	8.1	8.1	30.9	30.9	97.4	97.4	6.9		13.9		20		91				<0.2		1.2	
						3.4	0.5	19	23.7		8.1		30.9		97.3		6.9		13.9		19		91				<0.2		1.1	
					Bottom	5.8	0.4	15	23.7	23.7	8.1	8.1	31.0	31.0	97.4	97.4	6.9	6.9	23.9		20		94				<0.2		1.2	
						5.8	0.4	15	23.7		8.1		31.0		97.4		6.9		23.7		20		94				<0.2		1.2	
IM4	Cloudy	Moderate	16:51	7.0	Surface	1.0	0.6	24	23.8	23.8	8.1	8.1	30.1	30.1	96.6	96.6	6.9	6.9	10.7	14.5	15	14	88	91	819706	804601	<0.2	<0.2	1.4	1.4
						1.0	0.6	25	23.8		8.1		30.1		96.6		6.9		10.7		15		87				<0.2		1.5	
					Middle	3.5	0.4	11	23.8	23.8	8.1	8.1	30.5	30.5	95.9	95.9	6.8		14.3		14		90				<0.2		1.5	
						3.5	0.4	11	23.8		8.1		30.5		95.8		6.8		14.5		13		91				<0.2		1.4	
					Bottom	6.0	0.3	342	23.7	23.7	8.1	8.1	30.8	30.8	95.8	95.9	6.8	6.8	18.6		15		94				<0.2		1.4	
						6.0	0.3	346	23.7		8.1		30.8		95.9		6.8		18.5		13		95				<0.2		1.4	
IM5	Cloudy	Moderate	16:44	6.5	Surface	1.0	0.6	350	23.8	23.8	8.1	8.1	30.3	30.3	96.0	96.0	6.8	6.8	12.2	16.3	14	14	86	91	820728	804844	<0.2	<0.2	1.5	1.6
						1.0	0.7	352	23.8		8.1		30.3		96.0		6.8		12.3		12		87				<0.2		1.5	
					Middle	3.3	0.5	344	23.7	23.7	8.1	8.1	30.7	30.7	95.3	95.3	6.8		15.9		14		90				<0.2		1.6	
						3.3	0.6	348	23.7		8.1		30.7		95.3		6.8		16.0		13		91				<0.2		1.7	
					Bottom	5.5	0.4	354	23.7	23.7	8.1	8.1	30.8	30.8	95.6	95.7	6.8	6.8	20.5		17		96				<0.2		1.7	
						5.5	0.4	326	23.7		8.1		30.8		95.7		6.8		20.6		16		96				<0.2		1.6	
IM6	Cloudy	Moderate	16:31	6.2	Surface	1.0	0.4	76	23.8	23.8	8.1	8.1	29.8	29.8	96.8	96.8	6.9	6.9	10.4	12.2	12	13	86	91	821071	805844	<0.2	<0.2	1.6	1.6
						1.0	0.4	81	23.8		8.1		29.8		96.8		6.9		10.3		11		87				<0.2		1.6	
					Middle	3.1	0.4	70	23.7	23.7	8.1	8.1	30.4	30.4	96.3	96.3	6.8		12.1		14		90				<0.2		1.6	
						3.1	0.5	76	23.7		8.1		30.4		96.3		6.9		12.1		14		91				<0.2		1.6	
					Bottom	5.2	0.3	80	23.7	23.7	8.1	8.1	30.6	30.6	96.1	96.1	6.8	6.8	14.1		13		94				<0.2		1.7	
						5.2	0.3	82	23.7		8.1		30.6		96.1		6.8		14.1		14		95				<0.2		1.7	
IM7	Cloudy	Moderate	16:20	7.5	Surface	1.0	0.3	99	23.8	23.8	8.1	8.1	29.8	29.8	96.8	96.8	6.9	6.9	10.4	12.4	12	12	88	91	821343	806825	<0.2	<0.2	1.7	1.6
						1.0	0.3	102	23.8		8.1		29.8		96.7		6.9		10.4		12		88				<0.2		1.7	
					Middle	3.8	0.4	90	23.7	23.7	8.1	8.1	30.3	30.3	96.2	96.2	6.8		11.8		13		90				<0.2		1.7	
						3.8	0.4	90	23.7		8.1		30.3		96.2		6.8		11.9		13		92				<0.2		1.6	
					Bottom	6.5	0.3	92	23.7	23.7	8.1	8.1	30.7	30.7	95.9	96.0	6.8	6.8	14.9		11		93				<0.2		1.6	
						6.5	0.3	99	23.7		8.1		30.7		96.0		6.8		15.1		12		94				<0.2		1.4	
IM8	Cloudy	Moderate	16:37	7.5	Surface	1.0	0.3	196	23.8	23.8	8.1	8.1	30.2	30.2	96.1	96.1	6.8	6.8	11.6	15.2	13	14	90	93	821837	808155	<0.2	<0.2	1.0	1.3
						1.0	0.3	199	23.8		8.1		30.2		96.1		6.8		11.5		13		89				<0.2		1.5	
					Middle	3.8	0.3	209	23.7	23.7	8.1	8.1	30.7	30.7	95.1	95.1	6.8		14.4		13		93				<0.2		1.3	
						3.8	0.3	218	23.7		8.1		30.7		95.1		6.8		14.8		13		94				<0.2		1.4	
					Bottom	6.5	0.2	231	23.7	23.7	8.1	8.1	30.8	30.8	95.0	95.0	6.7	6.8	19.5		16		97				<0.2		1.4	
						6.5	0.3	245	23.7		8.1		30.8		95.0		6.8		19.5		16		97				<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 November 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	16:47	7.2	Surface	1.0	0.3	270	23.8	23.8	8.1	8.1	30.1	30.1	96.7	96.7	6.9	6.9	10.5	15.2	12	13	90	93	822111	808825	<0.2	<0.2	1.2	1.1
						1.0	0.3	284	23.8		8.1		30.1		96.6		6.9		10.4		13		89				<0.2		1.0	
					Middle	3.6	0.4	267	23.7	23.7	8.1	8.1	30.5	30.5	95.7	95.7	6.8		15.5		12		93				<0.2		1.2	
						3.6	0.4	273	23.7		8.1		30.6		95.6		6.8		16.1		12		94				<0.2		0.9	
					Bottom	6.2	0.3	277	23.7	23.7	8.1	8.1	30.8	30.8	95.5	95.6	6.8	6.8	19.6		12		97				<0.2		1.1	
						6.2	0.3	287	23.7		8.1		30.8		95.6		6.8		19.0		14		97				<0.2		1.4	
IM10	Cloudy	Moderate	16:57	6.3	Surface	1.0	0.5	321	23.7	23.7	8.1	8.1	30.9	30.9	97.6	97.6	6.9	6.9	13.5	13.1	16	18	89	93	822405	809809	<0.2	<0.2	0.9	1.2
						1.0	0.5	350	23.7		8.1		30.9		97.6		6.9		13.4		17		89				<0.2		1.2	
					Middle	3.2	0.5	329	23.7	23.7	8.1	8.1	30.9	30.9	97.4	97.4	6.9		12.6		17		94				<0.2		1.4	
						3.2	0.5	349	23.7		8.1		30.9		97.3		6.9		12.7		18		93				<0.2		1.0	
					Bottom	5.3	0.4	318	23.7	23.7	8.1	8.1	31.0	31.0	97.4	97.4	6.9	6.9	13.5		19		97				<0.2		1.6	
						5.3	0.4	347	23.7		8.1		31.0		97.4		6.9		13.3		18		97				<0.2		1.0	
IM11	Cloudy	Moderate	17:08	7.4	Surface	1.0	0.3	290	23.8	23.8	8.1	8.1	30.8	30.8	96.7	96.7	6.9	6.8	10.0	10.5	12	11	89	93	822069	811466	<0.2	<0.2	1.6	1.4
						1.0	0.3	294	23.8		8.1		30.8		96.6		6.9		10.0		12		89				<0.2		1.3	
					Middle	3.7	0.3	287	23.7	23.7	8.1	8.1	31.4	31.4	94.8	94.8	6.7		10.0		12		93				<0.2		1.4	
						3.7	0.3	294	23.7		8.1		31.4		94.7		6.7		10.2		12		94				<0.2		1.4	
					Bottom	6.4	0.3	300	23.7	23.7	8.1	8.1	31.6	31.6	94.7	94.8	6.7	6.7	11.5		10		97				<0.2		1.0	
						6.4	0.4	313	23.7		8.1		31.6		94.8		6.7		11.4		10		98				<0.2		1.5	
IM12	Cloudy	Moderate	17:14	8.4	Surface	1.0	0.4	266	23.7	23.7	8.2	8.2	31.3	31.3	98.2	98.2	7.0	7.0	8.7	10.2	10	10	89	94	821481	812047	<0.2	<0.2	1.4	1.4
						1.0	0.4	282	23.7		8.2		31.3		98.2		7.0		8.7		9		90				<0.2		1.4	
					Middle	4.2	0.4	250	23.7	23.7	8.2	8.2	31.3	31.3	97.9	97.9	6.9		9.4		10		93				<0.2		1.5	
						4.2	0.5	260	23.7		8.2		31.3		97.8		6.9		10.0		9		94				<0.2		1.2	
					Bottom	7.4	0.4	243	23.7	23.7	8.2	8.2	31.3	31.3	97.6	97.6	6.9	6.9	11.7		10		97				<0.2		1.4	
						7.4	0.4	263	23.7		8.2		31.3		97.6		6.9		12.4		9		98				<0.2		1.5	
SR1A	Cloudy	Moderate	17:38	7.1	Surface	1.0	-	-	23.7	23.7	8.1	8.1	31.4	31.4	95.8	95.9	6.8	6.8	11.3	16.5	10	10	-	-	820070	812581	-	-	-	-
						1.0	-	-	23.7		8.1		31.4		95.9		6.8		11.4		9		-				-		-	
					Middle	3.6	-	-	23.7	23.7	8.1	8.1	31.4	31.4	95.0	95.0	6.7		11.6		10		-				-		-	
						3.6	-	-	23.7		8.1		31.4		94.9		6.7		11.8		10		-				-		-	
					Bottom	6.1	-	-	23.6	23.6	8.1	8.1	31.6	31.6	94.0	94.1	6.7	6.7	26.5		9		-				-		-	
						6.1	-	-	23.6		8.1		31.6		94.1		6.7		26.4		11		-				-		-	
SR2	Cloudy	Moderate	17:25	4.7	Surface	1.0	0.3	324	23.7	23.7	8.1	8.1	31.4	31.4	95.6	95.6	6.8	6.8	11.0	11.7	10	9	90	91	821447	814165	<0.2	<0.2	1.2	1.2
						1.0	0.3	326	23.7		8.1		31.4		95.6		6.8		11.3		9		89				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.3	329	23.7	23.7	8.1	8.1	31.4	31.4	95.6	95.6	6.8	6.8	12.2		9		93				<0.2		1.4	
						3.7	0.3	358	23.7		8.1		31.4		95.6		6.8		12.2		9		93				<0.2		1.4	
SR3	Cloudy	Moderate	16:31	8.6	Surface	1.0	0.4	66	23.8	23.8	8.1	8.1	29.8	29.8	96.6	96.6	6.9	6.9	10.2	12.8	11	12	-	-	822152	807577	-	-	-	-
						1.0	0.4	68	23.8		8.1		29.8		96.6		6.9		10.2		11		-				-		-	
					Middle	4.3	0.4	70	23.7	23.7	8.1	8.1	30.3	30.3	96.0	96.0	6.8		12.7		11		-				-		-	
						4.3	0.4	75	23.7		8.1		30.3		96.0		6.8		12.7		12		-				-		-	
					Bottom	7.6	0.3	77	23.7	23.7	8.1	8.1	30.7	30.7	95.7	95.8	6.8	6.8	15.4		13		-				-		-	
						7.6	0.4	81	23.7		8.1		30.7		95.8		6.8		15.6		11		-				-		-	
SR4A	Cloudy	Calm	17:57	8.0	Surface	1.0	0.3	252	23.7	23.7	8.1	8.1	31.3	31.3	96.0	96.0	6.8	6.8	9.5	16.8	11	13	-	-	817210	807788	-	-	-	-
						1.0	0.3	262	23.7		8.1		31.3		95.9		6.8		9.6		11		-				-		-	
					Middle	4.0	0.3	251	23.7	23.7	8.1	8.1	31.5	31.5	94.4	94.4	6.7		18.8		13		-				-		-	
						4.0	0.4	255	23.7		8.1		31.5		94.4		6.7		18.3		13		-				-		-	
					Bottom	7.0	0.2	255	23.6	23.6	8.1	8.1	31.6	31.6	92.5	92.5	6.5	6.5	22.8		13		-				-		-	
						7.0	0.2	276	23.6		8.1		31.6		92.5		6.5		21.7		14		-				-		-	
SR5A	Cloudy	Calm	18:19	4.8	Surface	1.0	0.2	286	23.9	23.9	8.1	8.1	30.9	30.9	94.0	94.0	6.6	6.6	7.4	8.7	8	8	-	-	816571	810699	-	-	-	-
						1.0	0.2	291	23.9		8.1		30.9		94.0		6.6		7.4		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.2	300	23.9	23.9	8.1	8.1	31.1	31.1	94.1	94.2	6.6	6.7	10.0		7		-				-		-	
						3.8	0.2	320	23.9		8.1		31.1		94.2		6.7		10.0		7		-				-		-	
SR6	Cloudy	Calm	18:46	3.9	Surface	1.0	0.2	267	23.8	23.8	8.2	8.2	30.3	30.3	94.1	94.1	6.7	6.7	9.7	14.3	10	12	-	-	817895	814644	-	-	-	-
						1.0	0.2	293	23.8		8.2		30.3		94.1		6.7		9.8		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.2	261	23.8	23.8	8.1	8.1	30.3	30.3	94.5	94.6	6.7	6.7	18.0		12		-				-		-	
						2.9	0.2	276	23.8		8.1		30.3		94.6		6.7		19.8		13		-				-		-	
SR7	Cloudy	Moderate	18:12	14.7	Surface	1.0	0.1	213	23.8	23.8	8.2	8.2	30.3	30.3	93.3	93.3	6.6	6.6	9.9	10.6	12	11	-	-	823657	823756	-	-	-	-
						1.0	0.1	218	23.8		8.2		30.3		93.3		6.6		9.8		10		-				-		-	
					Middle	7.4	0.1	298	23.8	23.8	8.2	8.2	30.3	30.3	93.2	93.2	6.6		10.4		11		-				-		-	
						7.4	0.1	307	23.8		8.2		30.3		93.2		6.6		10.9		11		-				-		-	
					Bottom	13.7	0.1	232	23.8	23.8	8.2	8.2	30.3	30.3	93.5	93.6	6.6	6.6	11.3		12		-				-		-	
						13.7	0.1	236	23.8		8.2		30.3		93.6		6.6		11.1		12		-				-		-	
SR8	Cloudy	Moderate	17:27	4.5	Surface	1.0	-	-	23.8	23.8	8.1	8.1	31.1	31.1	98.6	98.6	7.0	7.0	8.5	8.9	10	10	-	-	820489	811655	-	-	-	-
						1.0	-	-	23.8		8.1		31.1		98.6		7.0		8.4		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	23.8	23.8	8.1	8.1	31.2	31.2	98.1	98.1	6.9	6.9	9.4		10		-				-		-	
						3.5	-	-	23.8		8.1		31.2		98.1		6.9		9.4		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 24 November 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) Value	Water Temperature (°C) Average	pH Value	pH Average	Salinity (ppt) Value	Salinity (ppt) Average	DO Saturation (%) Value	DO Saturation (%) Average	Dissolved Oxygen Value	Dissolved Oxygen DA	Turbidity(NTU) Value	Turbidity(NTU) DA	Suspended Solids (mg/L) Value	Suspended Solids (mg/L) DA	Total Alkalinity (ppm) Value	Total Alkalinity (ppm) DA	Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L) Value	Chromium (µg/L) DA	Nickel (µg/L) Value	Nickel (µg/L) DA
C1	Fine	Rough	13:36	8.5	Surface	1.0	0.0	210	24.5	24.5	7.9	7.9	31.3	31.3	93.6	93.5	6.5	6.5	6.4	9.5	18	12	85	90	815615	804257	<0.2	<0.2	1.2	1.2
						1.0	0.0	220	24.5		7.9		31.3		93.4		6.5		6.5		25		87				<0.2		1.2	
					Middle	4.3	0.2	142	24.4	24.4	7.8	7.8	31.6	31.7	91.9	91.8	-		8.7		7		89				<0.2		1.2	
						4.3	0.2	142	24.4		7.8		31.7		91.6		-		8.7		6		91				<0.2		1.2	
					Bottom	7.5	0.2	237	24.4	24.4	7.9	7.9	32.0	32.0	91.0	91.1	6.3	6.3	13.3		8		93				<0.2		1.3	
						7.5	0.2	244	24.4		7.9		32.0		91.1		6.3		13.3		9		94				<0.2		1.2	
C2	Fine	Moderate	11:52	11.3	Surface	1.0	0.1	32	23.5	23.5	8.1	8.1	30.7	30.7	90.9	90.9	6.5	6.5	13.2	15.0	18	20	93	95	825675	806931	<0.2	<0.2	1.0	1.0
						1.0	0.1	34	23.5		8.1		30.7		90.9		6.5		13.1		18		92				<0.2		1.0	
					Middle	5.7	0.2	51	23.5	23.5	8.1	8.1	30.8	30.8	91.2	91.2	6.5		15.2		19		94				<0.2		1.0	
						5.7	0.2	51	23.5		8.1		30.8		91.2		6.5		15.1		20		95				<0.2		1.0	
					Bottom	10.3	0.4	69	23.3	23.3	8.1	8.1	31.4	31.4	91.9	91.9	6.5	6.5	16.6		23		98				<0.2		1.0	
						10.3	0.4	75	23.3		8.1		31.4		91.9		6.5		16.7		22		97				<0.2		1.0	
C3	Fine	Moderate	13:37	10.0	Surface	1.0	0.5	91	23.6	23.6	8.1	8.1	32.1	32.1	87.0	87.0	6.1	6.1	7.5	11.2	9	9	91	93	822110	817784	<0.2	<0.2	1.0	1.0
						1.0	0.5	95	23.6		8.1		32.1		86.9		6.1		7.5		8		91				<0.2		1.0	
					Middle	5.0	0.5	96	23.6	23.6	8.1	8.1	32.2	32.2	86.4	86.4	-		9.4		9		93				<0.2		1.0	
						5.0	0.6	104	23.6		8.1		32.2		86.4		-		9.4		10		92				<0.2		0.9	
					Bottom	9.0	0.5	96	23.6	23.6	8.1	8.1	32.2	32.2	87.4	87.5	6.2	6.2	16.7		10		95				<0.2		1.1	
						9.0	0.5	98	23.6		8.1		32.2		87.6		6.2		16.9		10		96				<0.2		1.0	
IM1	Fine	Rough	13:04	5.8	Surface	1.0	0.1	136	24.5	24.5	7.9	7.9	31.4	31.4	91.3	91.2	6.4	6.4	8.4	8.9	14	16	84	89	817946	807125	<0.2	<0.2	1.3	1.3
						1.0	0.1	142	24.5		7.9		31.5		91.1		6.4		8.5		14		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	0.1	111	24.5	24.5	7.9	7.9	31.5	31.5	90.6	90.6	6.3	6.3	9.3		17		93				<0.2		1.3	
						4.8	0.1	113	24.5		7.9		31.5		90.6		6.3		9.5		18		94				<0.2		1.3	
IM2	Fine	Rough	12:51	6.7	Surface	1.0	0.2	76	24.6	24.6	7.9	7.9	31.0	31.0	93.3	93.3	6.5	6.5	10.6	11.5	14	15	85	90	818182	806171	<0.2	<0.2	2.0	2.1
						1.0	0.2	76	24.6		7.9		31.0		93.2		6.5		10.8		13		87				<0.2		2.0	
					Middle	3.4	0.1	122	24.5	24.5	7.9	7.9	31.1	31.1	92.5	92.5	6.5		11.1		15		90				<0.2		2.0	
						3.4	0.1	132	24.5		7.9		31.1		92.4		6.5		11.2		16		91				<0.2		2.0	
					Bottom	5.7	0.1	271	24.5	24.5	7.9	7.9	31.2	31.2	91.9	91.9	6.4	6.4	12.5		18		93				<0.2		2.4	
						5.7	0.1	294	24.5		7.9		31.2		91.9		6.4		12.7		16		95				<0.2		1.9	
IM3	Fine	Rough	12:39	6.4	Surface	1.0	0.2	16	24.6	24.6	7.9	7.9	30.6	30.6	92.9	92.9	6.5	6.5	7.1	8.6	10	12	86	90	818798	805597	<0.2	<0.2	2.2	2.1
						1.0	0.2	16	24.6		7.9		30.6		92.9		6.5		7.3		11		88				<0.2		2.2	
					Middle	3.2	0.1	8	24.6	24.6	7.9	7.9	30.6	30.6	92.6	92.6	6.5		8.4		12		90				<0.2		2.0	
						3.2	0.1	8	24.6		7.9		30.6		92.6		6.5		8.3		11		91				<0.2		2.1	
					Bottom	5.4	0.1	5	24.6	24.6	7.9	7.9	30.6	30.6	92.7	92.8	6.5	6.5	10.2		12		92				<0.2		2.0	
						5.4	0.1	5	24.5		7.9		30.6		92.8		6.5		10.3		13		94				<0.2		1.9	
IM4	Fine	Rough	12:26	6.2	Surface	1.0	0.2	7	24.6	24.6	7.9	7.9	30.3	30.4	92.0	91.9	6.4	6.4	12.1	15.4	12	13	85	90	819739	804594	<0.2	<0.2	1.5	1.7
						1.0	0.3	7	24.6		7.9		30.4		91.7		6.4		12.1		12		87				<0.2		1.7	
					Middle	3.1	0.2	16	24.5	24.5	8.0	8.0	30.6	30.6	91.5	91.5	6.4		16.6		13		89				<0.2		1.6	
						3.1	0.2	16	24.5		8.0		30.6		91.5		6.4		16.8		14		91				<0.2		1.8	
					Bottom	5.2	0.2	16	24.5	24.5	8.0	8.0	30.6	30.6	91.5	91.5	6.4	6.4	17.5		13		94				<0.2		1.7	
						5.2	0.2	16	24.5		8.0		30.6		91.5		6.4		17.3		14		94				<0.2		1.6	
IM5	Fine	Rough	12:15	6.5	Surface	1.0	0.3	13	24.7	24.7	8.0	8.0	29.6	29.6	93.1	93.1	6.5	6.5	5.9	8.3	13	14	85	90	820725	804860	<0.2	<0.2	1.7	1.8
						1.0	0.3	14	24.7		8.0		29.7		93.0		6.5		6.2		14		87				<0.2		1.8	
					Middle	3.3	0.2	10	24.6	24.6	8.0	8.0	30.2	30.2	92.7	92.7	6.5		8.0		14		89				<0.2		1.7	
						3.3	0.2	10	24.6		8.0		30.2		92.7		6.5		8.3		15		91				<0.2		1.8	
					Bottom	5.5	0.2	33	24.6	24.6	8.0	8.0	30.4	30.4	92.6	92.6	6.5	6.5	10.5		14		93				<0.2		1.8	
						5.5	0.2	35	24.6		8.0		30.4		92.6		6.5		10.8		16		94				<0.2		1.7	
IM6	Fine	Rough	12:06	7.1	Surface	1.0	0.2	1	24.7	24.7	7.9	7.9	29.4	29.4	92.0	92.0	6.5	6.5	4.7	7.7	14	14	85	90	821047	805810	<0.2	<0.2	1.5	1.7
						1.0	0.2	1	24.7		7.9		29.4		92.0		6.5		4.8		13		86				<0.2		1.6	
					Middle	3.6	0.3	8	24.5	24.5	7.9	7.9	30.6	30.6	91.7	91.7	6.4		9.0		13		89				<0.2		1.5	
						3.6	0.3	8	24.5		7.9		30.6		91.7		6.4		9.1		14		90				<0.2		1.8	
					Bottom	6.1	0.2	28	24.5	24.5	7.9	7.9	30.7	30.7	91.6	91.6	6.4	6.4	9.4		15		94				<0.2		1.8	
						6.1	0.2	28	24.5		8.0		30.7		91.6		6.4		9.4		15		95				<0.2		1.7	
IM7	Fine	Rough	11:53	7.7	Surface	1.0	0.1	359	24.8	24.8	8.0	8.0	28.7	28.7	92.7	92.5	6.5	6.4	3.4	7.3	12	14	85	90	821361	806854	<0.2	<0.2	1.7	1.6
						1.0	0.1	330	24.8		8.0		28.8		92.3		6.5		3.5		13		85				<0.2		1.5	
					Middle	3.9	0.2	10	24.6	24.6	8.0	7.9	29.8	29.9	90.1	90.0	6.3		7.4		14		89				<0.2		1.7	
						3.9	0.2	10	24.6		7.9		30.0		89.9		6.3		7.7		14		90				<0.2		1.6	
					Bottom	6.7	0.3	23	24.5	24.5	7.9	7.9	31.2	31.2	89.4	89.4	6.2	6.2	10.7		15		93				<0.2		1.5	
						6.7	0.3	23	24.5		8.0		31.2		89.3		6.2		11.0		14		95				<0.2		1.6	
IM8	Fine	Moderate	12:15	7.9	Surface	1.0	0.2	86	23.6	23.6	8.1	8.1	30.8	30.8	92.9	92.9	6.6	6.7	12.2	17.3	16	18	89	91	821851	808131	<0.2	<0.2	1.1	1.3
						1.0	0.2	89	23.6		8.1		30.8		92.9		6.6		12.2		16		89				<0.2		1.4	
					Middle	4.0	0.3	88	23.2	23.2	8.2	8.2	31.9	31.9	93.7	93.7	6.7		16.5		17		91				<0.2		1.3	
						4.0	0.4	93	23.2		8.2		31.9		93.7		6.7		16.8		17		91				<0.2		1.3	
					Bottom	6.9	0.3	80	23.2	23.2	8.1	8.1	32.0	32.0	94.6	94.7	6.7	6.7	23.0		21		93				<0.2		1.3	
						6.9	0.3	80	23.2		8.1		32.0		94.7		6.7		23.4		20		93				<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 24 November 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	12:22	7.4	Surface	1.0	0.3	95	23.4	23.4	8.1	8.1	31.2	31.2	92.7	92.8	6.6	6.6	12.7	17.3	14	15	90	92	822097	808818	<0.2	<0.2	1.3	1.3
						1.0	0.3	98	23.4		8.1		31.2		92.8		6.6		12.8		15		90				<0.2		1.3	
					Middle	3.7	0.4	92	23.3	23.3	8.2	8.2	31.6	31.6	92.8	92.8	6.6		15.7		15		92				<0.2		1.3	
						3.7	0.4	98	23.3		8.2		31.6		92.8		6.6		15.7		14		93				<0.2		1.3	
					Bottom	6.4	0.3	93	23.2	23.2	8.2	8.2	31.8	31.8	93.1	93.1	6.6	6.6	23.3		15		94				<0.2		1.2	
						6.4	0.3	99	23.2		8.2		31.8		93.1		6.6		23.8		16		94				<0.2		1.3	
IM10	Fine	Moderate	12:28	6.8	Surface	1.0	0.4	113	23.3	23.3	8.1	8.1	31.5	31.5	91.4	91.4	6.5	6.5	12.3	17.1	13	14	91	93	822391	809783	<0.2	<0.2	1.3	1.2
						1.0	0.4	115	23.3		8.1		31.5		91.4		6.5		12.4		14		91				<0.2		1.2	
					Middle	3.4	0.4	111	23.3	23.3	8.1	8.1	31.6	31.6	91.4	91.4	6.5		16.5		15		92				<0.2		1.3	
						3.4	0.4	115	23.3		8.1		31.6		91.4		6.5		16.6		14		93				<0.2		1.3	
					Bottom	5.8	0.4	107	23.2	23.2	8.1	8.1	31.7	31.7	91.8	91.9	6.5	6.5	22.4		14		94				<0.2		1.1	
						5.8	0.4	117	23.2		8.1		31.7		91.9		6.5		22.7		15		94				<0.2		1.1	
IM11	Fine	Moderate	12:38	8.3	Surface	1.0	0.2	100	23.4	23.4	8.1	8.1	31.6	31.6	92.0	92.0	6.5	6.5	7.7	9.1	12	11	90	92	822072	811464	<0.2	<0.2	1.2	1.2
						1.0	0.2	103	23.4		8.1		31.6		92.0		6.5		7.7		11		90				<0.2		1.2	
					Middle	4.2	0.2	111	23.4	23.4	8.1	8.1	31.6	31.6	91.3	91.3	6.5		8.4		10		92				<0.2		1.3	
						4.2	0.2	112	23.4		8.1		31.6		91.3		6.5		8.5		12		92				<0.2		1.2	
					Bottom	7.3	0.2	101	23.4	23.4	8.1	8.1	31.7	31.7	91.5	91.5	6.5	6.5	11.1		11		94				<0.2		1.2	
						7.3	0.3	106	23.4		8.1		31.7		91.5		6.5		11.1		12		94				<0.2		1.2	
IM12	Fine	Moderate	12:45	9.8	Surface	1.0	0.3	96	23.4	23.4	8.1	8.1	31.6	31.6	91.7	91.7	6.5	6.5	7.9	9.1	10	10	90	92	821462	812025	<0.2	<0.2	1.1	1.2
						1.0	0.3	102	23.4		8.1		31.6		91.7		6.5		7.9		10		89				<0.2		1.1	
					Middle	4.9	0.3	105	23.4	23.4	8.1	8.1	31.6	31.6	91.4	91.4	6.5		8.0		10		91				<0.2		1.2	
						4.9	0.3	110	23.4		8.1		31.6		91.4		6.5		8.0		11		92				<0.2		1.1	
					Bottom	8.8	0.3	110	23.4	23.4	8.1	8.1	31.6	31.6	91.6	91.7	6.5	6.5	11.4		11		94				<0.2		1.2	
						8.8	0.3	111	23.4		8.1		31.6		91.7		6.5		11.2		10		95				<0.2		1.3	
SR1A	Fine	Moderate	13:07	5.8	Surface	1.0	-	-	23.3	23.3	8.1	8.1	31.2	31.2	91.0	91.0	6.5	6.5	7.5	9.8	11	13	-	-	820073	812589	-	-	-	-
						1.0	-	-	23.3		8.1		31.2		91.0		6.5		7.5		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	-	-	23.4	23.4	8.1	8.1	31.5	31.5	90.8	90.9	6.5	6.5	12.1		16		-				-		-	
						4.8	-	-	23.4		8.1		31.5		90.9		6.5		12.1		16		-				-		-	
SR2	Fine	Moderate	13:19	5.0	Surface	1.0	0.4	107	23.5	23.5	8.1	8.1	31.7	31.7	91.1	91.1	6.5	6.5	10.2	10.7	11	11	90	90	821458	814180	<0.2	<0.2	1.1	1.1
						1.0	0.4	111	23.5		8.1		31.7		91.1		6.5		10.4		10		89				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	116	23.5	23.5	8.1	8.1	31.7	31.7	91.7	91.8	6.5	6.5	11.2		10		90				<0.2		1.1	
						4.0	0.3	125	23.5		8.1		31.7		91.8		6.5		11.3		11		91				<0.2		1.1	
SR3	Fine	Moderate	12:11	8.7	Surface	1.0	0.3	116	23.7	23.7	8.1	8.1	29.9	29.9	91.2	91.2	6.5	6.6	9.6	14.1	12	13	-	-	822140	807568	-	-	-	-
						1.0	0.3	121	23.7		8.1		29.9		91.2		6.5		9.7		13		-				-		-	
					Middle	4.4	0.3	82	23.5	23.5	8.1	8.1	31.3	31.3	93.8	93.8	6.7		14.8		13		-				-		-	
						4.4	0.3	83	23.5		8.1		31.3		93.8		6.7		14.8		12		-				-		-	
					Bottom	7.7	0.3	75	23.3	23.3	8.2	8.2	31.9	31.9	94.4	94.5	6.7	6.7	18.0		12		-				-		-	
						7.7	0.3	77	23.3		8.2		31.9		94.5		6.7		18.0		13		-				-		-	
SR4A	Fine	Rough	14:02	7.2	Surface	1.0	0.2	95	24.8	24.8	7.8	7.8	29.8	29.8	92.3	92.4	6.5	6.5	6.3	9.5	13	14	-	-	817174	807789	-	-	-	-
						1.0	0.2	100	24.8		7.8		29.8		92.4		6.5		6.2		12		-				-		-	
					Middle	3.6	0.2	91	24.6	24.6	7.8	7.8	30.2	30.3	91.3	91.1	-		8.3		13		-				-		-	
						3.6	0.2	95	24.6		7.8		30.4		90.9		-		8.4		13		-				-		-	
					Bottom	6.2	0.2	89	24.5	24.5	7.8	7.8	31.0	30.9	90.3	90.5	6.3	6.3	14.3		16		-				-		-	
						6.2	0.2	91	24.5		7.8		30.9		90.7		6.3		13.6		15		-				-		-	
SR5A	Fine	Rough	14:23	5.6	Surface	1.0	0.0	14	24.7	24.7	7.9	7.9	29.8	29.8	89.7	89.7	6.3	6.3	8.2	9.1	12	13	-	-	816591	810701	-	-	-	-
						1.0	0.0	15	24.7		7.9		29.8		89.6		6.3		8.3		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.1	177	24.7	24.7	7.9	7.9	29.9	29.9	89.5	89.6	6.3	6.3	10.0		14		-				-		-	
						4.6	0.1	177	24.7		7.9		29.9		89.6		6.3		10.2		13		-				-		-	
SR6	Fine	Rough	14:48	3.8	Surface	1.0	0.0	37	24.8	24.8	7.7	7.7	29.4	29.4	86.8	86.7	6.1	6.1	8.0	8.5	10	12	-	-	817897	814668	-	-	-	-
						1.0	0.0	39	24.8		7.7		29.4		86.5		6.1		8.3		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	137	24.8	24.8	7.6	7.6	29.4	29.4	86.2	86.1	6.1	6.1	8.7		13		-				-		-	
						2.8	0.1	141	24.8		7.6		29.4		86.0		6.0		8.9		14		-				-		-	
SR7	Fine	Moderate	14:03	14.5	Surface	1.0	0.4	92	23.6	23.6	8.1	8.1	32.2	32.2	87.2	87.2	6.1	6.1	5.6	6.7	8	9	-	-	823619	823733	-	-	-	-
						1.0	0.4	93	23.6		8.1		32.2		87.2		6.1		5.7		8		-				-		-	
					Middle	7.3	0.2	82	23.7	23.7	8.1	8.1	32.2	32.2	87.1	87.1	-		5.7		8		-				-		-	
						7.3	0.3	83	23.7		8.1		32.2		87.1		-		5.8		9		-				-		-	
					Bottom	13.5	0.1	10	23.6	23.6	8.1	8.1	32.3	32.3	86.8	86.9	6.1	6.1	8.8		8		-				-		-	
						13.5	0.1	10	23.6		8.1		32.3		86.9		6.1		8.8		10		-				-		-	
SR8	Fine	Moderate	12:56	4.6	Surface	1.0	-	-	23.4	23.4	8.2	8.2	31.5	31.5	92.4	92.4	6.6	6.6	12.2	15.3	16	19	-	-	820480	811653	-	-	-	-
						1.0	-	-	23.4		8.2		31.5		92.4		6.6		12.3		17		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	23.3	23.3	8.2	8.2	31.6	31.6	92.7	92.8	6.6	6.6	18.6		22		-				-		-	
						3.6	-	-	23.3		8.2		31.6		92.8		6.6		18.1		22		-				-		-	

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 24 November 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	08:11	8.8	Surface	1.0	0.1	75	24.3	24.3	8.0	8.0	31.1	31.3	94.4	94.1	6.6	6.5	4.5	7.3	30	37	84	90	815604	804263	<0.2	<0.2	1.2	1.3
						1.0	0.1	82	24.3		8.0		31.4		93.8		6.6		4.6		31		87				<0.2		1.4	
					Middle	4.4	0.0	61	24.4	24.4	8.0	8.0	31.9	32.0	92.6	92.5	6.5		6.6		41		89				<0.2		1.2	
						4.4	0.0	64	24.4		8.0		32.1		92.3		6.4		7.3		42		90				<0.2		1.3	
					Bottom	7.8	0.1	31	24.4	24.4	8.0	8.0	32.3	32.3	92.1	92.2	6.4	6.4	10.5		40		94				<0.2		1.3	
						7.8	0.1	32	24.4		8.0		32.3		92.2		6.4		10.6		40		94				<0.2		1.2	
C2	Fine	Moderate	09:46	11.1	Surface	1.0	0.2	15	23.3	23.3	8.1	8.1	31.2	31.2	91.9	91.9	6.5	6.6	15.5	18.7	23	23	94	96	825699	806946	<0.2	<0.2	1.1	1.1
						1.0	0.2	18	23.3		8.1		31.2		91.9		6.6		15.4		22		94				<0.2		1.1	
					Middle	5.6	0.0	14	23.2	23.2	8.2	8.2	31.8	31.8	92.2	92.2	-		18.4		22		96				<0.2		1.2	
						5.6	0.0	12	23.2		8.2		31.8		92.2		-		18.4		23		97				<0.2		1.0	
					Bottom	10.1	0.1	19	23.2	23.2	8.2	8.2	31.9	31.9	92.5	92.6	6.6	6.6	22.3		25		99				<0.2		1.1	
						10.1	0.1	20	23.2		8.2		31.9		92.6		6.6		22.3		25		98				<0.2		1.1	
C3	Fine	Moderate	07:45	10.2	Surface	1.0	0.5	263	23.6	23.6	8.1	8.1	31.9	31.9	87.5	87.5	6.2	6.2	13.5	17.8	22	23	92	96	822122	817780	<0.2	<0.2	1.7	1.7
						1.0	0.5	284	23.6		8.1		31.9		87.5		6.2		13.5		22		92				<0.2		1.6	
					Middle	5.1	0.5	265	23.6	23.6	8.1	8.1	31.9	31.9	87.2	87.2	6.2		16.2		23		97				<0.2		2.1	
						5.1	0.5	265	23.6		8.1		31.9		87.2		6.2		16.0		24		97				<0.2		1.9	
					Bottom	9.2	0.4	274	23.6	23.6	8.1	8.1	31.9	31.9	87.4	87.4	6.2	6.2	23.6		23		98				<0.2		1.3	
						9.2	0.4	292	23.6		8.1		31.9		87.4		6.2		24.0		24		98				<0.2		1.6	
IM1	Fine	Rough	08:29	5.9	Surface	1.0	0.4	59	24.4	24.4	8.0	8.0	31.6	31.6	90.2	90.2	6.3	6.3	8.6	8.3	24	25	86	90	817927	807112	<0.2	<0.2	1.3	1.3
						1.0	0.4	62	24.4		8.0		31.6		90.1		6.3		8.2		25		86				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	0.5	56	24.5	24.5	8.0	8.0	31.5	31.5	86.9	86.7	6.1	6.1	7.9		24		94				<0.2		1.3	
						4.9	0.5	59	24.5		8.0		31.5		86.5		6.0		8.6		25		94				<0.2		1.3	
IM2	Fine	Rough	08:40	7.2	Surface	1.0	0.2	-	24.4	24.4	8.0	8.0	31.1	31.1	93.0	92.9	6.5	6.5	5.1	7.5	14	17	86	90	818177	806161	<0.2	<0.2	1.8	1.6
						1.0	0.3	-	24.4		8.0		31.1		92.8		6.5		5.1		14		87				<0.2		1.6	
					Middle	3.6	0.2	21	24.4	24.4	8.0	8.0	31.4	31.4	91.8	91.8	6.4		6.1		16		90				<0.2		1.6	
						3.6	0.2	22	24.4		8.0		31.4		91.8		6.4		6.0		15		90				<0.2		1.8	
					Bottom	6.2	0.2	5	24.4	24.4	8.0	8.0	31.9	31.9	91.7	91.9	6.4	6.4	11.8		20		94				<0.2		1.6	
						6.2	0.2	5	24.4		8.0		31.9		92.0		6.4		11.2		20		95				<0.2		1.2	
IM3	Fine	Rough	08:52	7.0	Surface	1.0	0.5	8	24.3	24.3	8.0	8.0	30.0	30.0	94.3	94.2	6.7	6.6	5.0	9.7	15	17	84	90	818799	805602	<0.2	<0.2	1.9	1.7
						1.0	0.5	8	24.3		8.0		30.0		94.1		6.6		5.0		16		87				<0.2		1.7	
					Middle	3.5	0.4	11	24.4	24.4	8.0	8.0	31.0	31.3	92.5	92.0	6.5	6.6	10.6		17		89				<0.2		1.7	
						3.5	0.4	11	24.4		8.0		31.6		91.5		6.4		10.6		18		91				<0.2		1.8	
					Bottom	6.0	0.3	354	24.4	24.4	8.0	8.0	31.9	31.9	91.7	91.9	6.4	6.4	13.6		18		95				<0.2		1.6	
						6.0	0.3	326	24.4		8.0		31.9		92.0		6.4		13.4		19		96				<0.2		1.6	
IM4	Fine	Rough	09:02	7.5	Surface	1.0	0.5	14	24.5	24.5	8.1	8.1	29.8	29.9	94.0	94.0	6.6	6.6	5.0	8.1	22	22	85	90	819701	804614	<0.2	<0.2	1.3	1.3
						1.0	0.5	14	24.5		8.1		29.9		93.9		6.6		5.3		22		85				<0.2		1.2	
					Middle	3.8	0.4	0	24.4	24.4	8.1	8.1	30.7	30.9	92.6	92.4	6.5		8.5		22		89				<0.2		1.3	
						3.8	0.4	0	24.4		8.1		31.1		92.2		6.5		8.9		22		91				<0.2		1.3	
					Bottom	6.5	0.3	356	24.4	24.4	8.1	8.1	31.6	31.6	92.1	92.2	6.4	6.4	10.5		23		93				<0.2		1.2	
						6.5	0.3	328	24.4		8.1		31.6		92.2		6.4		10.6		23		94				<0.2		1.4	
IM5	Fine	Rough	09:11	6.8	Surface	1.0	0.6	15	24.4	24.4	8.0	8.0	30.2	30.3	94.4	94.2	6.6	6.6	6.3	11.0	15	15	84	90	820719	804869	<0.2	<0.2	1.3	1.3
						1.0	0.6	15	24.4		8.0		30.4		93.9		6.6		6.5		14		86				<0.2		1.3	
					Middle	3.4	0.5	15	24.4	24.4	8.0	8.0	30.9	30.9	93.3	93.3	6.5		10.0		14		91				<0.2		1.3	
						3.4	0.5	16	24.3		8.0		30.8		93.2		6.5		9.8		15		92				<0.2		1.3	
					Bottom	5.8	0.5	13	24.4	24.4	8.0	8.1	31.3	31.3	92.8	92.9	6.5	6.5	16.6		15		93				<0.2		1.3	
						5.8	0.5	13	24.4		8.1		31.3		92.9		6.5		16.6		16		93				<0.2		1.2	
IM6	Fine	Rough	09:23	6.9	Surface	1.0	0.1	108	24.7	24.7	8.0	8.0	29.1	29.1	92.4	92.5	6.5	6.5	3.7	6.4	10	12	86	90	821076	805816	<0.2	<0.2	1.2	1.2
						1.0	0.1	117	24.7		8.0		29.1		92.5		6.5		3.8		11		87				<0.2		1.3	
					Middle	3.5	0.2	60	24.6	24.6	8.0	8.0	29.8	29.9	92.4	92.4	6.5		5.0		12		90				<0.2		1.2	
						3.5	0.2	62	24.6		8.0		29.9		92.4		6.5		5.5		12		90				<0.2		1.2	
					Bottom	5.9	0.2	103	24.4	24.4	8.0	8.0	31.2	31.2	92.3	92.3	6.5	6.5	10.1		13		94				<0.2		1.2	
						5.9	0.2	111	24.4		8.1		31.3		92.3		6.5		10.4		12		94				<0.2		1.2	
IM7	Fine	Rough	09:35	7.5	Surface	1.0	0.0	280	24.6	24.6	8.1	8.1	28.7	28.7	93.4	93.2	6.6	6.5	3.1	6.7	12	13	85	90	821369	806843	<0.2	<0.2	1.3	1.3
						1.0	0.0	281	24.6		8.1		28.7		93.0		6.6		3.2		12		85				<0.2		1.2	
					Middle	3.8	0.0	351	24.7	24.7	8.1	8.0	29.4	29.3	89.4	89.5	6.3		4.1		13		90				<0.2		1.3	
						3.8	0.0	323	24.7		8.0		29.3		89.6		6.3		4.1		13		90				<0.2		1.2	
					Bottom	6.5	0.1	15	24.5	24.5	8.0	8.0	31.3	31.2	91.2	91.3	6.4	6.4	13.2		13		93				<0.2		1.2	
						6.5	0.1	15	24.5		8.0		31.1		91.3		6.4		12.3		12		94				<0.2		1.3	
IM8	Fine	Moderate	09:22	7.8	Surface	1.0	0.3	56	23.4	23.4	8.1	8.1	31.1	31.1	91.8	91.8	6.5	6.6	14.4	17.9	15	25	92	95	821837	808150	<0.2	<0.2	1.2	1.1
						1.0	0.3	56	23.4		8.1		31.1		91.8		6.5		15.0		15		92				<0.2		1.1	
					Middle	3.9	0.4	51	23.2	23.2	8.2	8.2	31.8	31.8	92.4	92.4	6.6		17.0		29		95				<0.2		1.1	
						3.9	0.4	54	23.2		8.2		31.8		92.4		6.6		16.8		30		96				<0.2		1.0	
					Bottom	6.8	0.4	37	23.2	23.2	8.2	8.2	31.9	31.9	92.9	93.0	6.6	6.6	21.9		29		98				<0.2		1.2	
						6.8	0.4	37	23.2		8.2		31.9		93.0		6.6		22.1		29		99				<0.2		1.1	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 24 November 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	09:09	7.0	Surface	1.0	0.1	323	23.4	23.4	8.2	8.2	30.7	30.7	89.8	89.8	6.4	6.4	12.5	15.1	21	23	91	95	822109	808797	<0.2	<0.2	1.2	1.2
						1.0	0.1	340	23.4		8.2		30.7		89.8		6.4		12.2		22		91				<0.2		1.2	
					Middle	3.5	0.2	327	23.3	23.3	8.2	8.2	30.8	30.8	89.9	89.9	6.4		14.1		22		94				<0.2		1.1	
						3.5	0.2	329	23.3		8.2		30.8		89.9		6.4		14.0		21		95				<0.2		1.1	
					Bottom	6.0	0.2	336	23.3	23.3	8.2	8.2	30.9	30.9	90.0	90.0	6.4	6.4	18.8		25		98				<0.2		1.2	
						6.0	0.2	309	23.3		8.2		30.9		90.0		6.4		18.8		25		98				<0.2		1.1	
IM10	Fine	Moderate	09:01	7.8	Surface	1.0	0.3	334	23.4	23.4	8.1	8.1	31.5	31.5	91.4	91.4	6.5	6.5	16.2	19.5	17	19	90	94	822403	809793	<0.2	<0.2	1.2	1.1
						1.0	0.3	307	23.4		8.1		31.5		91.4		6.5		16.2		17		89				<0.2		1.3	
					Middle	3.9	0.3	325	23.3	23.3	8.1	8.1	31.5	31.5	91.4	91.4	6.5		19.8		19		90				<0.2		1.1	
						3.9	0.4	340	23.3		8.1		31.5		91.4		6.5		19.8		20		91				<0.2		1.0	
					Bottom	6.8	0.3	327	23.3	23.3	8.1	8.1	31.5	31.5	91.7	91.7	6.5	6.5	22.3		21		101				<0.2		1.0	
						6.8	0.3	355	23.3		8.1		31.5		91.7		6.5		22.7		22		101				<0.2		1.0	
IM11	Fine	Moderate	08:51	7.2	Surface	1.0	0.4	279	23.3	23.3	8.1	8.1	31.5	31.5	91.3	91.3	6.5	6.5	11.2	15.0	13	15	90	94	822062	811436	<0.2	<0.2	1.1	1.1
						1.0	0.4	282	23.3		8.1		31.5		91.3		6.5		11.0		14		90				<0.2		1.1	
					Middle	3.6	0.4	295	23.3	23.3	8.1	8.1	31.5	31.5	91.1	91.1	6.5		14.8		14		95				<0.2		1.1	
						3.6	0.4	295	23.3		8.1		31.5		91.1		6.5		14.6		15		95				<0.2		1.4	
					Bottom	6.2	0.4	279	23.3	23.3	8.1	8.1	31.5	31.5	91.3	91.3	6.5	6.5	19.5		16		98				<0.2		1.1	
						6.2	0.4	290	23.3		8.1		31.5		91.3		6.5		19.3		16		97				<0.2		1.0	
IM12	Fine	Moderate	08:57	8.1	Surface	1.0	0.4	280	23.4	23.4	8.1	8.1	31.7	31.7	91.2	91.2	6.5	6.5	13.1	14.4	12	15	93	97	821445	812026	<0.2	<0.2	1.4	1.2
						1.0	0.5	306	23.4		8.1		31.7		91.2		6.5		13.1		12		93				<0.2		1.4	
					Middle	4.1	0.4	282	23.3	23.3	8.1	8.1	31.7	31.7	91.1	91.1	6.5		13.7		15		97				<0.2		1.0	
						4.1	0.5	297	23.3		8.1		31.7		91.1		6.5		13.6		14		98				<0.2		1.0	
					Bottom	7.1	0.4	276	23.3	23.3	8.1	8.1	31.7	31.7	91.3	91.3	6.5	6.5	16.5		20		100				<0.2			
						7.1	0.4	286	23.3		8.1		31.7		91.3		6.5		16.6		19		100				<0.2		1.0	
SR1A	Fine	Moderate	08:21	5.6	Surface	1.0	-	-	23.3	23.3	8.1	8.1	31.2	31.2	88.8	88.8	6.3	6.3	8.5	9.2	10	12	-	-	820073	812591	-	-	1.1	-
						1.0	-	-	23.3		8.1		31.2		88.8		6.3		8.5		10		-				-		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	23.3	23.3	8.1	8.1	31.2	31.2	89.0	89.1	6.4	6.4	9.7		13		-				-		-	
						4.6	-	-	23.3		8.1		31.2		89.1		6.4		10.0		13		-				-		-	
SR2	Fine	Moderate	08:06	4.2	Surface	1.0	0.0	320	23.3	23.3	8.1	8.1	31.6	31.6	90.2	90.2	6.4	6.4	13.6	14.2	12	14	93	94	821482	814168	<0.2	<0.2	1.4	1.5
						1.0	0.0	340	23.3		8.1		31.6		90.2		6.4		13.6		12		93				<0.2		1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	1	23.3	23.3	8.1	8.1	31.6	31.6	90.5	90.6	6.4	6.4	14.8		16		96				<0.2		1.5	
						3.2	0.0	1	23.3		8.1		31.6		90.6		6.4		15.0		16		95				<0.2		1.5	
SR3	Fine	Moderate	09:27	8.6	Surface	1.0	0.4	48	23.4	23.4	8.1	8.1	31.1	31.1	91.7	91.8	6.5	6.5	15.3	17.5	18	18	-	-	822123	807569	-	-	-	-
						1.0	0.4	51	23.4		8.1		31.1		91.8		6.5		15.2		18		-				-		-	
					Middle	4.3	0.4	57	23.2	23.2	8.2	8.2	31.8	31.8	92.1	92.1	-		17.1		18		-				-		-	
						4.3	0.4	61	23.2		8.2		31.8		92.1		-		17.0		18		-				-		-	
					Bottom	7.6	0.3	44	23.2	23.2	8.2	8.2	31.9	31.9	91.9	91.9	6.5	6.5	20.2		18		-				-		-	
						7.6	0.3	44	23.2		8.2		31.9		91.9		6.5		20.1		18		-				-		-	
SR4A	Fine	Rough	07:43	9.2	Surface	1.0	0.1	302	24.4	24.5	8.0	8.0	30.8	30.9	91.0	90.8	6.4	6.3	6.4	9.9	8	11	-	-	817194	807805	-	-	-	-
						1.0	0.1	326	24.5		8.0		30.9		90.6		6.3		6.9		9		-				-		-	
					Middle	4.6	0.1	303	24.5	24.5	8.0	8.0	31.5	31.5	88.9	89.0	6.2		10.7		11		-				-		-	
						4.6	0.1	312	24.5		8.0		31.5		89.0		6.2		10.5		11		-				-		-	
					Bottom	8.2	0.1	302	24.5	24.5	7.9	7.9	31.5	31.5	89.1	89.1	6.2	6.2	12.5		12		-				-		-	
						8.2	0.1	305	24.5		7.9		31.5		89.1		6.2		12.5		12		-				-		-	
SR5A	Fine	Rough	07:22	5.2	Surface	1.0	0.1	229	24.7	24.7	7.9	7.9	29.4	29.4	88.8	88.8	6.2	6.2	4.8	6.6	5	6	-	-	816593	810674	-	-	-	-
						1.0	0.1	244	24.7		7.9		29.4		88.8		6.2		4.9		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	236	24.5	24.5	7.9	7.9	30.0	30.0	88.3	88.4	6.2	6.2	8.4		6		-				-		-	
						4.2	0.1	247	24.5		7.9		30.0		88.4		6.2		8.3		7		-				-		-	
SR6	Fine	Rough	07:02	4.8	Surface	1.0	0.0	295	24.5	24.5	7.9	7.9	29.1	29.1	87.6	87.6	6.2	6.2	4.3	8.4	6	6	-	-	817901	814661	-	-	-	-
						1.0	0.0	319	24.5		7.9		29.1		87.5		6.2		4.3		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	304	24.7	24.7	7.9	7.9	29.4	29.4	87.7	87.9	6.2	6.2	12.6		6		-				-		-	
						3.8	0.1	316	24.7		7.9		29.4		88.0		6.2		12.5		7		-				-		-	
SR7	Fine	Moderate	07:18	14.7	Surface	1.0	0.2	202	23.6	23.6	8.1	8.1	31.9	31.9	87.6	87.6	6.2	6.2	7.6	14.7	9	10	-	-	823638	823728	-	-	-	-
						1.0	0.2	204	23.6		8.1		31.9		87.5		6.2		7.5		9		-				-		-	
					Middle	7.4	0.2	291	23.6	23.6	8.1	8.1	32.1	32.1	86.6	86.6	-		17.5		10		-				-		-	
						7.4	0.2	292	23.6		8.1		32.1		86.6		-		17.8		10		-				-		-	
					Bottom	13.7	0.2	258	23.6	23.6	8.1	8.1	32.1	32.1	86.8	86.9	6.1	6.1	18.7		11		-				-		-	
						13.7	0.2	259	23.6		8.1		32.1		86.9		6.1		18.8		12		-				-		-	
SR8	Fine	Moderate	08:35	4.3	Surface	1.0	-	-	23.4	23.4	8.2	8.2	31.5	31.5	92.1	92.1	6.5	6.5	11.6	14.6	18	21	-	-	820506	811682	-	-	-	-
						1.0	-	-	23.4		8.2		31.5		92.1		6.5		11.6		18		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	23.3	23.3	8.2	8.2	31.7	31.7	91.8	91.8	6.5	6.5	17.4		23		-				-		-	
						3.3	-	-	23.3		8.2		31.7		91.8		6.5		17.7		23		-				-		-	

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 November 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	15:24	8.2	Surface	1.0	0.4	150	23.0	23.0	7.8	7.8	30.3	30.3	93.8	93.8	6.8	6.8	15.0	16.6	14	14	85	88	815621	804261	<0.2	<0.2	1.2	1.2
						1.0	0.5	153	23.0		7.8		30.3		93.7		6.8		15.0		15		85				<0.2		1.2	
					Middle	4.1	0.5	231	23.0	23.0	7.8	7.8	30.9	30.9	94.8	94.9	-		16.6		14		88				<0.2		1.2	
						4.1	0.5	232	23.0		7.8		31.0		94.9		-		16.5		14		88				<0.2		1.3	
					Bottom	7.2	0.3	251	23.0	23.0	7.8	7.8	31.2	31.2	96.8	96.9	6.9	6.9	18.1		14		91				<0.2		1.2	
						7.2	0.3	222	23.0		7.8		31.2		96.9		6.9		18.2		14		91				<0.2		1.2	
C2	Fine	Rough	14:19	12.2	Surface	1.0	0.3	145	23.2	23.2	7.9	7.9	28.5	28.5	84.0	84.1	6.1	6.1	20.3	24.1	16	14	85	90	825661	806944	<0.2	<0.2	1.9	1.8
						1.0	0.3	153	23.2		7.9		28.5		84.1		6.1		20.1		16		85				<0.2		1.8	
					Middle	6.1	0.3	139	23.2	23.2	7.9	7.9	28.6	28.6	84.2	84.2	6.1		24.4		14		90				<0.2		1.7	
						6.1	0.3	139	23.2		7.9		28.6		84.2		6.1		24.6		15		91				<0.2		1.8	
					Bottom	11.2	0.3	207	23.2	23.2	7.9	7.9	28.7	28.7	84.3	84.3	6.1	6.1	27.6		12		93				<0.2		1.8	
						11.2	0.3	207	23.2		7.9		28.7		84.3		6.1		27.6		12		93				<0.2		1.8	
C3	Rainy	Rough	16:06	11.6	Surface	1.0	0.1	11	23.4	23.4	8.0	8.0	31.3	31.3	85.8	85.8	6.1	6.2	9.5	9.9	7	7	85	90	822100	817821	<0.2	<0.2	1.9	1.9
						1.0	0.1	11	23.4		8.0		31.3		85.8		6.1		9.4		7		86				<0.2		1.9	
					Middle	5.8	0.1	20	23.4	23.4	8.0	8.0	31.4	31.4	86.5	86.6	6.2		10.0		7		89				<0.2		1.9	
						5.8	0.1	18	23.4		8.0		31.4		86.7		6.2		10.1		8		89				<0.2		1.9	
					Bottom	10.6	0.1	67	23.4	23.4	8.0	8.0	31.4	31.4	88.1	88.2	6.3	6.3	10.3		8		94				<0.2		1.9	
						10.6	0.1	77	23.4		8.0		31.4		88.2		6.3		10.2		7		95				<0.2		1.8	
IM1	Rainy	Moderate	15:10	4.9	Surface	1.0	0.2	202	23.0	23.0	7.9	7.9	31.7	31.7	93.4	93.5	6.7	6.7	16.1	16.6	18	18	87	90	817963	807111	<0.2	<0.2	1.0	0.9
						1.0	0.2	202	23.0		7.9		31.7		93.5		6.7		16.1		20		88				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	227	23.0	23.0	7.9	7.9	31.8	31.8	95.3	95.4	6.8	6.8	17.0		18		92				<0.2		0.9	
						3.9	0.2	241	23.0		7.9		31.8		95.4		6.8		17.0		15		92				<0.2		0.9	
IM2	Rainy	Moderate	15:04	7.6	Surface	1.0	0.5	141	23.0	23.0	7.9	7.9	31.0	31.0	93.2	93.2	6.7	6.7	15.9	17.9	17	18	85	89	818185	806185	<0.2	<0.2	1.1	1.1
						1.0	0.5	142	23.0		7.9		31.0		93.1		6.7		15.9		18		85				<0.2		1.2	
					Middle	3.8	0.3	210	23.0	23.0	7.9	7.9	31.6	31.6	93.1	93.1	6.7		17.4		18		89				<0.2		1.1	
						3.8	0.4	210	23.0		7.9		31.6		93.1		6.7		17.4		17		89				<0.2		1.1	
					Bottom	6.6	0.2	246	23.0	23.0	7.8	7.8	31.7	31.7	94.2	94.2	6.7	6.7	20.3		18		92				<0.2		1.1	
						6.6	0.2	248	23.0		7.8		31.7		94.2		6.7		20.2		17		91				<0.2		1.1	
IM3	Rainy	Moderate	14:56	7.8	Surface	1.0	0.4	129	22.9	22.9	7.9	7.9	31.0	31.0	93.1	93.1	6.7	6.7	17.4	19.2	14	15	85	89	818773	805594	<0.2	<0.2	1.2	1.1
						1.0	0.4	130	22.9		7.9		31.0		93.0		6.7		17.6		14		85				<0.2		1.1	
					Middle	3.9	0.4	168	23.0	23.0	7.9	7.9	31.6	31.6	93.4	93.4	6.7		19.4		15		89				<0.2		1.1	
						3.9	0.4	188	23.0		7.9		31.6		93.3		6.7		19.7		15		89				<0.2		1.1	
					Bottom	6.8	0.4	215	23.0	23.0	7.8	7.8	31.7	31.7	94.7	94.8	6.8	6.8	20.7		16		92				<0.2		1.1	
						6.8	0.4	200	23.0		7.8		31.7		94.8		6.8		20.6		16		92				<0.2		1.1	
IM4	Cloudy	Moderate	14:46	7.7	Surface	1.0	0.5	189	22.9	22.9	7.9	7.9	30.1	30.1	93.2	93.2	6.7	6.7	16.8	19.2	18	19	84	88	819737	804601	<0.2	<0.2	1.2	1.2
						1.0	0.5	194	22.9		7.9		30.1		93.2		6.7		17.0		19		85				<0.2		1.2	
					Middle	3.9	0.4	149	23.0	23.0	7.9	7.9	31.4	31.4	92.7	92.7	6.6		19.0		20		88				<0.2		1.2	
						3.9	0.4	121	23.0		7.9		31.4		92.7		6.6		19.0		20		89				<0.2		1.1	
					Bottom	6.7	0.4	152	23.0	23.0	7.9	7.9	31.4	31.4	93.4	93.4	6.7	6.7	21.8		18		91				<0.2		1.1	
						6.7	0.4	146	23.0		7.9		31.4		93.4		6.7		21.8		19		91				<0.2		1.2	
IM5	Rainy	Moderate	14:36	7.2	Surface	1.0	0.5	206	22.9	22.9	7.9	7.9	30.8	30.8	92.5	92.5	6.7	6.7	18.7	20.6	17	17	85	88	820745	804879	<0.2	<0.2	1.4	1.5
						1.0	0.5	206	22.9		7.9		30.8		92.4		6.6		19.1		16		85				<0.2		1.4	
					Middle	3.6	0.4	210	23.0	23.0	7.9	7.9	30.8	30.8	92.6	92.7	6.7		20.7		16		88				<0.2		1.6	
						3.6	0.4	201	23.0		7.9		30.8		92.7		6.7		21.0		17		88				<0.2		1.4	
					Bottom	6.2	0.1	199	23.0	23.0	7.9	7.9	30.8	30.8	95.6	95.7	6.9	6.9	22.2		17		91				<0.2		1.5	
						6.2	0.1	213	23.0		7.9		30.8		95.7		6.9		21.9		17		91				<0.2		1.5	
IM6	Rainy	Moderate	14:28	7.3	Surface	1.0	0.0	128	23.1	23.1	7.9	7.9	30.9	30.9	89.8	89.8	6.4	6.4	18.8	20.2	17	18	85	88	821039	805807	<0.2	<0.2	1.5	1.5
						1.0	0.0	128	23.1		7.9		30.9		89.8		6.4		18.9		19		85				<0.2		1.4	
					Middle	3.7	0.1	214	23.1	23.1	7.9	7.9	30.9	30.9	89.5	89.5	6.4		20.3		18		88				<0.2		1.5	
						3.7	0.1	223	23.1		7.9		30.9		89.5		6.4		20.3		18		88				<0.2		1.4	
					Bottom	6.3	0.1	256	23.1	23.1	7.9	7.9	30.9	30.9	89.9	89.9	6.4	6.4	21.4		19		91				<0.2		1.5	
						6.3	0.1	227	23.1		7.9		30.9		89.8		6.4		21.5		19		91				<0.2		1.4	
IM7	Rainy	Moderate	14:17	8.5	Surface	1.0	0.0	213	23.2	23.2	7.8	7.8	29.8	29.8	87.6	87.6	6.3	6.3	18.0	20.0	21	22	84	87	821353	806829	<0.2	<0.2	1.7	1.7
						1.0	0.0	213	23.2		7.8		29.8		87.6		6.3		18.1		23		84				<0.2		1.7	
					Middle	4.3	0.1	223	23.2	23.2	7.9	7.9	30.2	30.2	87.6	87.7	6.3		20.0		22		87				<0.2		1.6	
						4.3	0.2	245	23.2		7.9		30.2		87.7		6.3		20.0		22		87				<0.2		1.6	
					Bottom	7.5	0.1	230	23.1	23.1	7.9	7.9	31.1	31.1	88.5	88.5	6.3	6.3	21.5		21		90				<0.2		1.6	
						7.5	0.1	246	23.1		7.9		31.1		88.5		6.3		22.1		21		91				<0.2		1.7	
IM8	Fine	Rough	14:40	7.0	Surface	1.0	0.1	143	23.1	23.1	8.0	8.0	29.4	29.4	89.5	89.6	6.5	6.5	18.9	20.8	14	17	85	89	821813	808159	<0.2	<0.2	2.1	2.0
						1.0	0.1	151	23.0		8.0		29.5		89.7		6.5		18.8		13		85				<0.2		1.8	
					Middle	3.5	0.1	168	22.9	22.9	8.1	8.1	30.3	30.3	90.2	90.3	6.5		20.2		18		89				<0.2		2.0	
						3.5	0.1	170	22.9		8.1		30.4		90.3		6.5		21.2		18		89				<0.2		1.9	
					Bottom	6.0	0.2	127	22.9	22.9	8.1	8.1	30.5	30.5	90.6	90.7	6.5	6.5	22.8		18		94				<0.2		1.9	
						6.0	0.2	132	22.9		8.1		30.5		90.7		6.5		22.8		18		94				<0.2		2.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 November 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	Rainy	Rough	14:47	8.1	Surface	1.0	0.2	110	23.1	23.1	8.1	8.1	29.1	29.2	87.6	87.7	6.3	6.4	17.1	19.1	16	18	85	89	822094	808799	<0.2	<0.2	2.0	2.1
						1.0	0.2	117	23.1		8.1		29.2		87.7		6.4		17.1		17		86				<0.2		2.1	
					Middle	4.1	0.1	103	23.1	23.1	8.1	8.1	29.4	29.5	88.4	88.5	6.4		20.3		18		89				<0.2		2.1	
						4.1	0.1	107	23.1		8.1		29.5		88.6		6.4		20.0		18		89				<0.2		2.1	
					Bottom	7.1	0.1	258	23.1	23.1	8.1	8.1	29.7	29.7	89.6	89.7	6.5	6.5	19.9		18		93				<0.2		2.1	
						7.1	0.1	264	23.1		8.1		29.7		89.7		6.5		19.9		18		94				<0.2		2.1	
IM10	Rainy	Rough	14:53	7.5	Surface	1.0	0.3	76	23.1	23.1	8.1	8.1	29.4	29.4	87.2	87.2	6.3	6.3	18.9	19.6	20	19	85	89	822361	809775	<0.2	<0.2	2.0	2.0
						1.0	0.3	77	23.1		8.1		29.4		87.2		6.3		18.9		19		86				<0.2		2.0	
					Middle	3.8	0.2	102	23.1	23.1	8.1	8.0	29.5	29.5	87.5	87.6	6.3		19.5		19		88				<0.2		2.0	
						3.8	0.2	108	23.1		8.0		29.5		87.7		6.3		19.5		19		89				<0.2		2.1	
					Bottom	6.5	0.2	138	23.0	23.0	8.0	8.0	30.3	30.3	89.2	89.2	6.4	6.4	20.3		19		93				<0.2		2.0	
						6.5	0.2	151	23.0		8.0		30.3		89.2		6.4		20.4		18		94				<0.2		2.1	
IM11	Rainy	Rough	15:06	9.0	Surface	1.0	0.2	120	23.1	23.1	8.0	8.0	30.4	30.4	89.5	89.5	6.4	6.5	15.3	15.7	21	21	86	90	822045	811446	<0.2	<0.2	1.9	2.1
						1.0	0.2	137	23.1		8.0		30.4		89.5		6.4		15.3		22		86				<0.2		2.2	
					Middle	4.5	0.2	131	23.1	23.1	8.0	8.0	30.4	30.4	89.7	89.8	6.5		13.7		19		90				<0.2		2.1	
						4.5	0.2	113	23.1		8.0		30.4		89.8		6.5		15.5		19		90				<0.2		2.0	
					Bottom	8.0	0.1	150	23.0	23.0	8.0	8.0	30.4	30.4	90.0	90.1	6.5	6.5	17.1		22		94				<0.2		2.1	
						8.0	0.1	158	23.0		8.0		30.4		90.1		6.5		17.1		21		94				<0.2		2.1	
IM12	Rainy	Rough	15:12	8.7	Surface	1.0	0.1	132	23.0	23.0	8.1	8.1	30.4	30.4	89.8	89.8	6.5	6.5	12.4	16.0	12	14	85	90	821469	812044	<0.2	<0.2	2.0	2.0
						1.0	0.1	144	23.0		8.1		30.4		89.8		6.5		12.4		13		86				<0.2		2.0	
					Middle	4.4	0.1	128	23.0	23.0	8.1	8.1	30.4	30.4	89.8	89.8	6.5		16.3		15		90				<0.2		2.0	
						4.4	0.1	135	23.0		8.1		30.4		89.8		6.5		16.3		15		90				<0.2		2.0	
					Bottom	7.7	0.1	134	23.0	23.0	8.1	8.1	30.4	30.4	90.7	90.8	6.5	6.5	19.1		15		94				<0.2		2.0	
						7.7	0.1	144	23.0		8.1		30.4		90.8		6.5		19.6		15		94				<0.2		2.1	
SR1A	Rainy	Rough	15:34	6.1	Surface	1.0	-	-	22.9	22.9	8.0	8.0	30.4	30.4	90.4	90.4	6.5	6.5	11.0	11.4	12	13	-	-	820072	812587	-	-	-	-
						1.0	-	-	22.9		8.0		30.4		90.4		6.5		11.1		12		-				-		-	
					Middle	3.1	-	-	22.9	22.9	8.0	8.0	30.4	30.4	89.7	89.7	6.5		11.0		11		-				-		-	
						3.1	-	-	22.9		8.0		30.4		89.6		6.5		11.1		12		-				-		-	
					Bottom	5.1	-	-	22.9	22.9	8.0	8.0	30.5	30.5	89.7	89.9	6.5	6.5	12.1		14		-				-		-	
						5.1	-	-	22.9		8.0		30.5		90.0		6.5		12.2		15		-				-		-	
SR2	Rainy	Rough	15:46	4.5	Surface	1.0	0.1	57	23.1	23.1	8.1	8.1	30.4	30.4	89.1	89.1	6.4	6.4	12.9	14.7	16	17	85	89	821471	814146	<0.2	<0.2	2.0	1.9
						1.0	0.1	68	23.1		8.1		30.4		89.0		6.4		12.9		17		85				<0.2		2.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	0.1	102	23.1	23.1	8.1	8.1	30.4	30.4	88.8	88.9	6.4	6.4	16.5		17		93				<0.2		1.9	
						3.5	0.1	114	23.1		8.1		30.4		88.9		6.4		16.5		17		93				<0.2		1.8	
SR3	Fine	Rough	14:35	8.9	Surface	1.0	0.4	148	23.0	23.0	8.0	8.0	30.0	30.0	89.2	89.3	6.4	6.5	28.9	24.5	12	13	-	-	822145	807552	-	-	-	-
						1.0	0.5	166	23.0		8.0		30.0		89.3		6.5		28.9		12		-				-		-	
					Middle	4.5	0.4	152	22.9	22.9	8.1	8.1	30.2	30.2	90.3	90.3	6.5		20.6		13		-				-		-	
						4.5	0.4	155	22.9		8.1		30.2		90.3		6.5		20.6		13		-				-		-	
					Bottom	7.9	0.3	145	22.9	22.9	8.1	8.1	30.2	30.2	91.3	91.4	6.6	6.6	24.1		14		-				-		-	
						7.9	0.3	160	22.9		8.1		30.2		91.5		6.6		24.1		14		-				-		-	
SR4A	Cloudy	Calm	15:49	9.4	Surface	1.0	0.3	95	23.0	23.0	7.9	7.9	31.2	31.2	93.2	93.2	6.7	6.7	17.8	19.8	15	15	-	-	817173	807831	-	-	-	-
						1.0	0.4	103	23.0		7.9		31.2		93.2		6.7		17.9		16		-				-		-	
					Middle	4.7	0.3	96	23.0	23.0	7.8	7.8	31.3	31.3	93.5	93.5	6.7		19.7		15		-				-		-	
						4.7	0.3	100	23.0		7.8		31.3		93.5		6.7		19.7		15		-				-		-	
					Bottom	8.4	0.3	82	23.0	23.0	7.8	7.8	31.5	31.5	95.4	95.4	6.8	6.8	21.8		14		-				-		-	
						8.4	0.4	89	23.0		7.8		31.5		95.4		6.8		21.8		14		-				-		-	
SR5A	Rainy	Calm	16:04	4.7	Surface	1.0	0.1	105	23.0	23.0	7.8	7.8	31.3	31.3	89.9	90.0	6.4	6.5	14.7	14.7	12	13	-	-	816607	810689	-	-	-	-
						1.0	0.1	127	23.0		7.8		31.3		90.0		6.5		14.7		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	117	23.0	23.0	7.8	7.8	31.3	31.3	91.5	91.6	6.6	6.6	14.7		15		-				-		-	
						3.7	0.1	139	23.0		7.8		31.3		91.6		6.6		14.7		14		-				-		-	
SR6	Rainy	Calm	16:45	4.4	Surface	1.0	0.2	100	23.2	23.2	7.8	7.8	31.3	31.3	90.3	90.3	6.5	6.5	11.5	11.7	10	10	-	-	817894	814656	-	-	-	-
						1.0	0.2	106	23.2		7.8		31.3		90.3		6.5		11.6		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	97	23.1	23.1	7.8	7.8	31.3	31.3	92.6	92.7	6.6	6.6	11.9		9		-				-		-	
						3.4	0.2	101	23.1		7.8		31.3		92.7		6.6		11.9		10		-				-		-	
SR7	Rainy	Rough	16:33	15.7	Surface	1.0	0.1	48	23.4	23.4	8.0	8.0	31.4	31.4	84.3	84.3	6.0	6.0	9.3	9.1	8	8	-	-	823629	823740	-	-	-	-
						1.0	0.1	49	23.4		8.0		31.4		84.3		6.0		9.4		8		-				-		-	
					Middle	7.9	0.0	87	23.4	23.4	8.0	8.0	31.6	31.6	83.6	83.5	5.9		9.2		8		-				-		-	
						7.9	0.0	106	23.4		8.0		31.6		83.3		5.9		9.3		8		-				-		-	
					Bottom	14.7	0.0	81	23.4	23.4	8.0	8.0	31.7	31.7	78.9	78.7	5.6	5.6	9.1		9		-				-		-	
						14.7	0.0	82	23.4		8.0		31.7		78.4		5.6		8.1		8		-				-		-	
SR8	Rainy	Rough	15:24	4.3	Surface	1.0	-	-	23.0	23.0	8.1	8.1	30.2	30.2	89.9	90.0	6.5	6.5	11.8	12.3	11	12	-	-	820484	811672	-	-	-	-
						1.0	-	-	23.0		8.1		30.3		90.0		6.5		11.9		11		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	-	-	23.0	23.0	8.1	8.1	30.4	30.4	90.8	90.9	6.6	6.6	12.9		12		-				-		-	
						3.3	-	-	23.0		8.1		30.4		90.9		6.6		12.8		13		-				-		-	

DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher
Value exceeding Action Level is underlined; **Value exceeding Limit Level is bolded and underlined**
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 November 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	10:57	7.8	Surface	1.0	0.2	36	23.0	23.0	7.9	7.9	31.6	31.6	91.9	92.0	6.6	6.6	17.1	19.5	18	19	86	89	815600	804230	<0.2	<0.2	1.0	1.1
						1.0	0.2	37	23.0		7.9		31.6		92.0		6.6		17.1		17		86				<0.2		1.2	
					Middle	3.9	0.2	42	23.0	23.0	7.9	7.9	31.7	31.7	91.9	91.9	6.6		19.4		21		89				<0.2		1.1	
						3.9	0.2	42	23.0		7.9		31.7		91.9		6.6		19.5		20		89				<0.2		1.0	
					Bottom	6.8	0.3	31	23.1	23.1	7.9	7.9	31.7	31.7	91.9	92.0	6.6	6.6	21.9		20		93				<0.2		1.1	
						6.8	0.3	33	23.1		7.9		31.7		92.0		6.6		21.9		20		92				<0.2		0.9	
C2	Fine	Rough	11:43	11.6	Surface	1.0	0.3	1	23.2	23.2	7.9	7.9	28.3	28.3	84.8	84.8	6.2	6.2	17.1	22.0	14	14	84	89	825668	806921	<0.2	<0.2	2.1	2.0
						1.0	0.3	1	23.2		7.9		28.3		84.8		6.2		17.5		14		85				<0.2		2.0	
					Middle	5.8	0.3	17	23.2	23.2	7.9	7.9	28.3	28.3	85.1	85.2	6.2		22.3		15		88				<0.2		1.9	
						5.8	0.3	17	23.2		7.9		28.3		85.2		6.2		22.3		14		90				<0.2		1.9	
					Bottom	10.6	0.4	29	23.2	23.2	7.9	8.0	28.3	28.3	87.1	88.0	6.3	6.4	26.4		14		94				<0.2		2.0	
						10.6	0.4	30	23.2		8.0		28.3		88.8		6.5		26.4		12		95				<0.2		1.9	
C3	Fine	Rough	09:48	11.0	Surface	1.0	0.5	298	23.1	23.1	8.0	8.0	30.5	30.5	88.6	88.7	6.4	6.4	11.5	15.4	9	9	85	89	822123	817824	<0.2	<0.2	2.0	1.9
						1.0	0.6	311	23.1		8.0		30.5		88.7		6.4		11.6		9		85				<0.2		1.9	
					Middle	5.5	0.5	301	23.1	23.1	8.0	8.0	30.5	30.5	89.0	89.0	6.4		16.3		9		89				<0.2		1.8	
						5.5	0.5	311	23.1		8.0		30.5		89.0		6.4		16.3		8		89				<0.2		1.9	
					Bottom	10.0	0.4	301	23.1	23.1	8.0	8.0	30.5	30.5	89.3	89.4	6.4	6.4	18.2		10		93				<0.2		1.9	
						10.0	0.4	313	23.1		8.0		30.5		89.4		6.4		18.2		9		94				<0.2		1.9	
IM1	Cloudy	Moderate	11:08	4.8	Surface	1.0	0.3	357	23.0	23.0	7.9	7.9	31.6	31.6	92.0	92.0	6.6	6.6	19.8	20.5	21	15	87	90	817963	807119	<0.2	<0.2	1.1	1.1
						1.0	0.3	328	23.0		7.9		31.6		92.0		6.6		19.9		19		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	4	23.0	23.0	7.9	7.9	31.7	31.7	93.5	93.5	6.7	6.7	21.2		10		92				<0.2		1.1	
						3.8	0.3	4	23.0		7.9		31.7		93.4		6.7		21.2		10		92				<0.2		1.0	
IM2	Cloudy	Moderate	11:16	7.1	Surface	1.0	0.5	5	23.0	23.0	7.9	7.9	31.3	31.3	92.3	92.3	6.6	6.6	19.4	21.3	19	19	85	88	818141	806148	<0.2	<0.2	1.1	1.1
						1.0	0.5	5	23.0		7.9		31.3		92.3		6.6		19.3		19		85				<0.2		1.2	
					Middle	3.6	0.4	0	23.0	23.0	7.9	7.9	31.3	31.3	92.7	92.7	6.6		21.4		18		88				<0.2		1.1	
						3.6	0.4	0	23.0		7.9		31.3		92.7		6.6		21.8		19		88				<0.2		1.0	
					Bottom	6.1	0.3	2	23.0	23.0	7.9	7.9	31.3	31.3	94.5	94.5	6.8	6.8	23.1		19		92				<0.2		1.1	
						6.1	0.3	2	23.0		7.9		31.3		94.5		6.8		23.0		18		91				<0.2		1.1	
IM3	Cloudy	Moderate	11:22	7.3	Surface	1.0	0.5	24	23.0	23.0	7.8	7.8	30.7	30.7	92.3	92.3	6.6	6.6	21.1	25.9	17	16	85	88	818764	805589	<0.2	<0.2	1.2	1.2
						1.0	0.5	24	23.0		7.8		30.7		92.3		6.6		21.3		15		85				<0.2		1.2	
					Middle	3.7	0.4	8	23.0	23.0	7.8	7.8	30.8	30.8	92.5	92.6	6.6		25.4		15		88				<0.2		1.2	
						3.7	0.4	8	23.0		7.8		30.8		92.7		6.7		26.2		16		88				<0.2		1.3	
					Bottom	6.3	0.3	4	23.0	23.0	7.9	7.9	31.2	31.2	94.6	94.7	6.8	6.8	30.7		17		91				<0.2		1.2	
						6.3	0.3	4	23.0		7.9		31.2		94.8		6.8		30.8		17		91				<0.2		1.1	
IM4	Rainy	Moderate	11:31	7.6	Surface	1.0	0.5	357	23.0	23.0	7.8	7.8	30.8	30.8	92.3	92.4	6.6	6.7	22.5	26.8	20	21	85	88	819745	804594	<0.2	<0.2	1.2	1.2
						1.0	0.5	328	23.0		7.8		30.8		92.5		6.6		22.5		19		85				<0.2		1.2	
					Middle	3.8	0.4	350	23.0	23.0	7.8	7.8	30.8	30.8	94.0	94.0	6.8		26.2		20		87				<0.2		1.3	
						3.8	0.4	322	23.0		7.8		30.8		94.0		6.8		26.2		20		88				<0.2		1.2	
					Bottom	6.6	0.4	5	23.0	23.0	7.8	7.8	30.8	30.8	96.2	96.3	6.9	6.9	31.8		24		90				<0.2		1.1	
						6.6	0.4	5	23.0		7.8		30.8		96.4		6.9		31.8		22		91				<0.2		1.2	
IM5	Rainy	Moderate	11:38	6.9	Surface	1.0	0.6	3	23.0	23.0	7.8	7.8	30.8	30.8	91.2	91.2	6.6	6.6	20.5	24.8	25	25	85	88	820744	804859	<0.2	<0.2	1.4	1.4
						1.0	0.6	3	23.0		7.8		30.8		91.2		6.5		20.7		25		84				<0.2		1.3	
					Middle	3.5	0.6	-	23.0	23.0	7.8	7.8	30.9	30.9	91.4	91.4	6.6		25.2		24		88				<0.2		1.3	
						3.5	0.6	-	23.0		7.8		30.9		91.4		6.6		25.4		23		88				<0.2		1.4	
					Bottom	5.9	0.5	357	23.0	23.0	7.8	7.8	30.9	30.9	93.9	94.0	6.7	6.7	28.5		26		91				<0.2		1.3	
						5.9	0.5	328	23.0		7.8		30.9		94.0		6.7		28.5		28		91				<0.2		1.5	
IM6	Rainy	Moderate	11:45	7.0	Surface	1.0	0.2	356	23.1	23.1	7.8	7.8	30.9	30.9	90.5	90.5	6.5	6.5	21.8	25.8	23	22	86	88	821037	805833	<0.2	<0.2	1.7	1.6
						1.0	0.2	328	23.1		7.8		30.9		90.4		6.5		21.7		23		85				<0.2		1.6	
					Middle	3.5	0.1	358	23.1	23.1	7.8	7.8	31.0	31.0	90.5	90.6	6.5		25.5		22		88				<0.2		1.6	
						3.5	0.1	329	23.1		7.8		31.0		90.6		6.5		25.6		21		88				<0.2		1.7	
					Bottom	6.0	0.2	359	23.1	23.1	7.8	7.8	31.0	31.0	92.2	92.3	6.6	6.6	30.1		22		91				<0.2		1.6	
						6.0	0.2	330	23.1		7.8		31.0		92.3		6.6		30.0		21		91				<0.2		1.6	
IM7	Cloudy	Moderate	11:52	8.3	Surface	1.0	0.1	304	23.2	23.2	7.8	7.8	29.8	29.8	88.6	88.6	6.4	6.4	20.6	24.8	18	21	84	87	821347	806813	<0.2	<0.2	1.6	1.7
						1.0	0.1	333	23.2		7.8		29.8		88.6		6.4		20.9		18		83				<0.2		1.7	
					Middle	4.2	0.2	357	23.2	23.1	7.8	7.8	30.5	30.5	89.2	89.1	6.4		24.4		21		87				<0.2		1.5	
						4.2	0.2	328	23.1		7.8		30.5		89.0		6.4		24.6		20		87				<0.2		1.6	
					Bottom	7.3	0.2	345	23.1	23.1	7.8	7.8	31.1	31.1	89.2	89.2	6.4	6.4	29.0		22		90				<0.2		1.7	
						7.3	0.2	317	23.1		7.8		31.1		89.2		6.4		29.2		24		90				<0.2		1.8	
IM8	Fine	Rough	11:16	8.6	Surface	1.0	0.2	41	23.2	23.2	8.0	8.0	28.6	28.6	85.8	85.9	6.2	6.3	20.3	22.4	14	18	84	89	821851	808122	<0.2	<0.2	1.5	1.4
						1.0	0.2	41	23.2		8.0		28.6		86.0		6.2		20.3		13		85				<0.2		1.4	
					Middle	4.3	0.4	65	23.1	23.1	8.0	8.0	29.0	29.0	87.4	87.5	6.3		22.2		16		89				<0.2		1.4	
						4.3	0.4	67	23.1		8.0		29.1		87.5		6.3		22.2		17		90				<0.2		1.3	
					Bottom	7.6	0.3	50	23.1	23.1	8.0	8.0	29.3	29.3	88.2	88.3	6.4	6.4	24.8		23		94				<0.2		1.4	
						7.6	0.4	52	23.1		8.0		29.3		88.4		6.4		24.8		24		94				<0.2		1.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 27 November 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	Rough	11:11	7.1	Surface	1.0	0.2	136	23.2	23.2	8.0	8.0	28.6	28.6	85.0	85.1	6.2	6.2	19.4	23.1	14	19	85	90	822093	808827	<0.2	<0.2	1.9	1.8
						1.0	0.2	137	23.2		8.0		28.6		85.1		6.2		19.4		13		85				<0.2		2.0	
					Middle	3.6	0.2	116	23.2	23.2	8.0	8.0	28.9	28.9	85.8	85.8	6.2		24.4		17		89				<0.2		2.1	
						3.6	0.3	124	23.2		8.0		29.0		85.8		6.2		24.4		17		89				<0.2		2.1	
					Bottom	6.1	0.2	120	23.1	23.1	8.0	8.0	29.0	29.0	85.9	85.9	6.2	6.2	25.6		26		94				<0.2		1.5	
						6.1	0.2	123	23.1		8.0		29.0		85.9		6.2		25.6		24		95				<0.2		1.4	
IM10	Fine	Rough	11:01	6.8	Surface	1.0	0.3	92	23.1	23.1	8.0	8.0	29.7	29.7	87.7	87.7	6.3	6.3	21.5	24.4	22	20	85	90	822408	809810	<0.2	<0.2	2.0	2.0
						1.0	0.3	99	23.1		8.0		29.7		87.7		6.3		21.5		21		85				<0.2		2.0	
					Middle	3.4	0.3	63	23.1	23.1	8.0	8.0	29.9	29.9	87.5	87.5	6.3		25.3		23		90				<0.2		2.0	
						3.4	0.3	64	23.1		8.0		29.9		87.5		6.3		25.3		23		90				<0.2		1.9	
					Bottom	5.8	0.2	68	23.1	23.1	8.0	8.0	29.9	29.9	87.5	87.5	6.3	6.3	26.4		14		93				<0.2		2.1	
						5.8	0.2	71	23.1		8.0		29.9		87.5		6.3		26.4		14		94				<0.2		2.0	
IM11	Fine	Rough	10:49	8.3	Surface	1.0	0.3	49	23.0	23.0	8.0	8.0	30.3	30.3	88.9	88.9	6.4	6.4	22.1	25.2	23	27	86	90	822079	811455	<0.2	<0.2	1.9	2.0
						1.0	0.3	49	23.0		8.0		30.3		88.9		6.4		22.4		23		86				<0.2		2.1	
					Middle	4.2	0.4	32	23.0	23.0	8.0	8.0	30.3	30.3	88.8	88.8	6.4		24.6		24		90				<0.2		1.8	
						4.2	0.4	32	23.0		8.0		30.3		88.8		6.4		24.6		26		91				<0.2		2.0	
					Bottom	7.3	0.4	18	23.0	23.0	8.0	8.0	30.4	30.4	89.1	89.2	6.4	6.4	28.8		34		93				<0.2		1.9	
						7.3	0.4	18	23.0		8.0		30.4		89.2		6.4		28.8		34		93				<0.2		2.0	
IM12	Fine	Rough	10:43	7.4	Surface	1.0	0.5	327	23.0	23.0	8.0	8.0	30.4	30.4	88.6	88.6	6.4	6.4	25.8	26.3	19	23	85	89	821441	812063	<0.2	<0.2	1.8	1.9
						1.0	0.5	330	23.0		8.0		30.4		88.6		6.4		25.7		20		86				<0.2		1.8	
					Middle	3.7	0.5	320	23.1	23.1	8.0	8.0	30.4	30.4	88.6	88.6	6.4		26.9		19		89				<0.2		1.8	
						3.7	0.5	347	23.1		8.0		30.4		88.6		6.4		26.9		19		89				<0.2		1.8	
					Bottom	6.4	0.4	318	23.1	23.1	8.0	8.0	30.4	30.4	88.6	88.6	6.4	6.4	26.2		29		93				<0.2		2.0	
						6.4	0.4	329	23.1		8.0		30.4		88.6		6.4		26.2		30		94				<0.2		2.0	
SR1A	Fine	Rough	10:18	6.8	Surface	1.0	-	-	22.9	22.9	8.0	8.0	30.3	30.3	88.1	88.1	6.4	6.4	13.8	15.3	26	26	-	-	820074	812588	-	-	-	-
						1.0	-	-	22.9		8.0		30.3		88.1		6.4		13.8		22		-				-		-	
					Middle	3.4	-	-	22.9	22.9	8.0	8.0	30.4	30.4	87.5	87.5	-		14.8		20		-				-		-	
						3.4	-	-	22.9		8.0		30.4		87.5		-		14.9		18		-				-		-	
					Bottom	5.8	-	-	22.9	22.9	8.0	8.0	30.5	30.5	87.7	87.7	6.3	6.3	17.5		35		-				-		-	
						5.8	-	-	22.9		8.0		30.5		87.7		6.3		17.2		32		-				-		-	
SR2	Fine	Rough	10:07	4.1	Surface	1.0	0.5	283	23.0	23.0	8.0	8.0	30.3	30.3	90.0	90.1	6.5	6.5	19.4	20.9	10	12	85	89	821440	814180	<0.2	<0.2	2.0	2.0
						1.0	0.5	300	23.0		8.0		30.3		90.2		6.5		19.4		9		86				<0.2		1.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.3	289	23.0	23.0	8.0	8.0	30.3	30.3	91.0	91.2	6.6	6.6	22.3		15		93				<0.2		1.9	
						3.1	0.3	296	23.0		8.0		30.3		91.3		6.6		22.3		15		93				<0.2		2.0	
SR3	Fine	Rough	11:23	9.6	Surface	1.0	0.2	25	23.2	23.2	7.9	7.9	28.2	28.2	84.5	84.6	6.1	6.2	19.3	21.3	16	18	-	-	822168	807570	-	-	-	-
						1.0	0.2	25	23.2		7.9		28.2		84.6		6.2		19.3		18		-				-		-	
					Middle	4.8	0.3	8	23.2	23.2	7.9	7.9	28.7	28.7	86.0	86.0	6.2		18.8		18		-				-		-	
						4.8	0.3	8	23.2		7.9		28.7		86.0		6.2		18.8		18		-				-		-	
					Bottom	8.6	0.3	26	23.1	23.1	7.9	7.9	28.8	28.8	86.2	86.2	6.3	6.3	25.9		20		-				-		-	
						8.6	0.3	28	23.1		7.9		28.8		86.2		6.3		25.9		19		-				-		-	
SR4A	Cloudy	Calm	10:44	9.1	Surface	1.0	0.1	115	22.9	22.9	7.8	7.8	31.3	31.3	88.6	88.6	6.4	6.4	14.7	16.7	14	14	-	-	817181	807788	-	-	-	-
						1.0	0.1	125	22.9		7.8		31.3		88.6		6.4		14.7		15		-				-		-	
					Middle	4.6	0.1	102	22.9	22.9	7.8	7.8	31.3	31.3	89.5	89.5	-		17.2		13		-				-		-	
						4.6	0.1	108	22.9		7.8		31.3		89.5		-		17.2		14		-				-		-	
					Bottom	8.1	0.1	76	22.9	22.9	7.8	7.8	31.3	31.3	90.4	90.4	6.5	6.5	18.1		12		-				-		-	
						8.1	0.1	78	22.9		7.8		31.3		90.4		6.5		18.1		14		-				-		-	
SR5A	Cloudy	Calm	10:27	3.6	Surface	1.0	0.1	287	22.9	22.9	7.8	7.8	31.3	31.3	90.1	90.2	6.5	6.5	15.5	15.9	14	17	-	-	816608	810701	-	-	-	-
						1.0	0.1	304	22.9		7.8		31.3		90.2		6.5		15.5		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	285	22.9	22.9	7.8	7.8	31.4	31.4	92.2	92.3	6.6	6.6	16.2		21		-				-		-	
						2.6	0.1	294	22.9		7.8		31.4		92.4		6.6		16.2		21		-				-		-	
SR6	Cloudy	Calm	10:03	3.6	Surface	1.0	0.2	245	23.1	23.1	7.7	7.7	31.5	31.5	89.8	89.9	6.4	6.4	20.1	20.0	13	13	-	-	817911	814676	-	-	-	-
						1.0	0.2	267	23.1		7.7		31.5		89.9		6.4		20.1		13		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.2	240	23.1	23.1	7.7	7.7	31.5	31.5	91.9	92.0	6.6	6.6	19.9		14		-				-		-	
						2.6	0.2	253	23.1		7.7		31.5		92.1		6.6		20.0		13		-				-		-	
SR7	Fine	Rough	09:23	15.1	Surface	1.0	0.2	8	23.4	23.4	7.9	7.9	31.0	31.0	86.4	86.5	6.2	6.2	20.3	17.5	16	16	-	-	823628	823721	-	-	-	-
						1.0	0.2	8	23.4		7.9		31.0		86.5		6.2		18.4		17		-				-		-	
					Middle	7.6	0.2	9	23.4	23.4	7.9	7.9	31.0	31.0	86.7	86.9	-		17.4		18		-				-		-	
						7.6	0.2	9	23.4		7.9		31.0		87.0		-		17.7		17		-				-		-	
					Bottom	14.1	0.3	354	23.4	23.4	7.9	7.9	31.0	31.0	87.4	87.4	6.2	6.2	14.9		16		-				-		-	
						14.1	0.3	326	23.4		7.9		31.0		87.4		6.2		16.3		14		-				-		-	
SR8	Fine	Rough	10:33	4.2	Surface	1.0	-	-	23.0	23.0	8.0	8.0	30.4	30.4	88.8	88.8	6.4	6.4	20.5	21.9	32	32	-	-	820493	811678	-	-	-	-
						1.0	-	-	23.0		8.0		30.4		88.8		6.4		20.5		33		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	23.0	23.0	8.0	8.0	30.4	30.4	88.8	88.9	6.4	6.4	23.2		31		-				-		-	
						3.2	-	-	23.0		8.0		30.4		88.9		6.4		23.2		32		-				-		-	

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 November 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	17:55	9.1	Surface	1.0	0.5	226	23.2	23.2	7.8	7.8	30.7	30.7	94.2	94.3	6.8	6.8	14.0	22.0	6	7	90	94	815610	804231	<0.2	<0.2	1.3	1.5
						1.0	0.5	26	23.2		7.8		30.7		94.3		6.8		14.1		6		90				<0.2		1.7	
					Middle	4.6	0.3	224	23.1	23.1	7.8	7.8	32.5	32.5	94.4	94.4	6.7		24.3		6		93				<0.2		1.4	
						4.6	0.3	225	23.1		7.8		32.5		94.4		6.7		24.4		7		94				<0.2		1.4	
					Bottom	8.1	0.2	222	23.1	23.1	7.8	7.8	32.6	32.6	95.6	95.7	6.8	6.8	27.5		7		97				<0.2		1.5	
						8.1	0.2	223	23.1		7.8		32.6		95.8		6.8		27.8		7		98				<0.2		1.4	
C2	Fine	Moderate	16:41	11.3	Surface	1.0	0.4	206	23.3	23.3	7.9	7.9	27.8	27.8	84.5	84.5	6.2	6.1	9.5	15.8	8	16	85	89	825660	806963	<0.2	<0.2	2.9	2.7
						1.0	0.4	206	23.3		7.9		27.9		84.4		6.1		9.6		7		85				<0.2		2.9	
					Middle	5.7	0.4	152	23.1	23.1	7.9	7.9	28.4	28.5	82.8	82.7	6.0		15.5		6		90				<0.2		2.8	
						5.7	0.4	153	23.1		7.9		28.5		82.6		6.0		15.4		6		90				<0.2		2.8	
					Bottom	10.3	0.5	218	23.0	23.0	7.9	7.9	28.8	28.8	81.9	82.8	6.0	6.1	22.4		35		93				<0.2		2.4	
						10.3	0.5	216	23.0		7.9		28.8		83.7		6.1		22.4		35		93				<0.2		2.5	
C3	Fine	Moderate	18:53	18.8	Surface	1.0	0.2	45	23.2	23.2	8.0	8.0	31.0	31.0	86.7	86.7	6.2	6.2	7.3	9.4	5	5	85	90	822096	817797	<0.2	<0.2	2.3	2.7
						1.0	0.2	45	23.2		8.0		31.0		86.6		6.2		7.3		4		86				<0.2		2.4	
					Middle	9.4	0.1	54	23.2	23.2	8.0	8.0	31.2	31.2	85.5	85.6	6.1		10.3		4		90				<0.2		2.4	
						9.4	0.1	53	23.2		8.0		31.2		85.7		6.1		10.4		5		90				<0.2		2.9	
					Bottom	17.8	0.1	33	23.2	23.2	8.0	8.0	31.2	31.2	87.0	87.2	6.2	6.2	10.6		4		93				<0.2		2.9	
						17.8	0.1	36	23.2		8.0		31.2		87.4		6.2		10.5		5		93				<0.2		3.0	
IM1	Fine	Moderate	17:33	4.9	Surface	1.0	0.1	252	23.4	23.4	7.8	7.8	30.7	30.7	94.2	94.2	6.7	6.7	13.5	16.0	7	7	89	92	817953	807119	<0.2	<0.2	1.7	1.7
						1.0	0.1	254	23.4		7.8		30.7		94.1		6.7		13.5		7		89				<0.2		1.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	192	23.1	23.1	7.9	7.9	31.1	31.1	95.8	95.9	6.9	6.9	18.7		8		94				<0.2		1.6	
						3.9	0.0	203	23.1		7.9		31.1		95.9		6.9		18.3		7		95				<0.2		1.7	
IM2	Fine	Moderate	17:27	7.2	Surface	1.0	0.3	155	23.3	23.3	7.8	7.8	30.5	30.5	94.3	94.4	6.8	6.8	12.5	15.7	7	7	90	93	818172	806149	<0.2	<0.2	1.6	1.5
						1.0	0.3	157	23.3		7.8		30.6		94.4		6.8		12.6		7		90				<0.2		1.6	
					Middle	3.6	0.2	139	23.0	23.0	7.8	7.8	31.3	31.3	93.4	93.4	6.7		17.2		7		93				<0.2		1.5	
						3.6	0.2	142	23.0		7.8		31.3		93.4		6.7		17.2		7		93				<0.2		1.4	
					Bottom	6.2	0.2	202	23.0	23.0	7.8	7.8	31.4	31.4	94.7	94.8	6.8	6.8	17.4		8		97				<0.2		1.4	
						6.2	0.2	202	23.0		7.8		31.4		94.8		6.8		17.4		8		97				<0.2		1.3	
IM3	Fine	Moderate	17:21	7.6	Surface	1.0	0.4	200	23.2	23.2	7.8	7.8	30.7	30.7	93.5	93.5	6.7	6.7	14.3	17.4	12	14	94	97	818762	805597	<0.2	<0.2	1.2	1.3
						1.0	0.4	200	23.2		7.8		30.7		93.5		6.7		14.4		13		94				<0.2		1.3	
					Middle	3.8	0.3	210	23.0	23.0	7.8	7.8	31.3	31.3	93.5	93.5	6.7		18.2		12		97				<0.2		1.3	
						3.8	0.3	210	23.0		7.8		31.3		93.5		6.7		18.2		13		97				<0.2		1.3	
					Bottom	6.6	0.2	203	23.0	23.0	7.9	7.9	31.4	31.4	96.1	96.2	6.9	6.9	19.5		18		99				<0.2		1.3	
						6.6	0.2	206	23.0		7.9		31.4		96.2		6.9		19.5		18		100				<0.2		1.2	
IM4	Fine	Moderate	17:12	7.6	Surface	1.0	0.4	142	23.4	23.4	7.8	7.8	30.3	30.3	94.1	94.1	6.7	6.7	13.3	22.0	10	11	91	95	819748	804626	<0.2	<0.2	1.4	1.4
						1.0	0.4	143	23.4		7.8		30.3		94.1		6.7		13.4		10		92				<0.2		1.3	
					Middle	3.8	0.4	228	22.9	22.9	7.8	7.8	31.3	31.3	92.6	92.7	6.6		22.9		11		94				<0.2		1.4	
						3.8	0.4	230	22.9		7.8		31.3		92.7		6.7		23.0		11		94				<0.2		1.4	
					Bottom	6.6	0.3	213	22.9	22.9	7.8	7.8	31.3	31.3	94.2	94.3	6.8	6.8	29.5		11		98				<0.2		1.3	
						6.6	0.4	208	22.9		7.8		31.3		94.3		6.8		29.6		12		98				<0.2		1.4	
IM5	Fine	Moderate	17:00	7.1	Surface	1.0	0.5	228	23.2	23.2	7.8	7.8	30.5	30.5	94.1	94.1	6.7	6.8	17.1	22.0	13	12	88	93	820713	804873	<0.2	<0.2	1.3	1.4
						1.0	0.5	228	23.2		7.8		30.5		94.1		6.8		17.1		14		89				<0.2		1.4	
					Middle	3.6	0.5	225	23.0	23.0	7.8	7.8	30.7	30.7	93.9	93.9	6.8		24.0		12		94				<0.2		1.4	
						3.6	0.5	226	23.0		7.8		30.7		93.8		6.7		24.1		12		95				<0.2		1.4	
					Bottom	6.1	0.4	231	22.9	22.9	7.8	7.8	30.7	30.7	95.6	95.7	6.9	6.9	24.9		12		97				<0.2		1.4	
						6.1	0.4	239	22.9		7.8		30.7		95.8		6.9		24.7		11		97				<0.2		1.4	
IM6	Fine	Moderate	16:50	7.0	Surface	1.0	0.2	180	23.2	23.2	7.8	7.8	30.6	30.6	93.7	93.7	6.7	6.8	15.5	15.5	15	15	90	94	821083	805848	<0.2	<0.2	1.4	1.4
						1.0	0.2	170	23.2		7.8		30.6		93.6		6.7		15.5		13		91				<0.2		1.4	
					Middle	3.5	0.2	226	23.2	23.2	7.8	7.8	30.6	30.6	94.8	94.8	6.8		15.2		15		94				<0.2		1.4	
						3.5	0.2	226	23.2		7.8		30.6		94.8		6.8		15.2		15		94				<0.2		1.3	
					Bottom	6.0	0.1	220	23.2	23.2	7.8	7.8	30.7	30.7	98.0	98.1	7.0	7.0	15.9		15		96				<0.2		1.4	
						6.0	0.1	218	23.2		7.8		30.7		98.1		7.0		15.8		14		97				<0.2		1.3	
IM7	Fine	Moderate	16:42	8.1	Surface	1.0	0.0	204	23.4	23.4	7.8	7.8	29.6	29.6	89.1	89.2	6.4	6.4	16.2	18.0	12	13	83	86	821330	806840	<0.2	<0.2	1.4	1.4
						1.0	0.0	220	23.4		7.8		29.6		89.2		6.4		16.3		12		84				<0.2		1.3	
					Middle	4.1	0.2	153	23.3	23.3	7.8	7.8	29.9	29.9	89.7	89.7	6.4		18.7		12		86				<0.2		1.3	
						4.1	0.2	156	23.3		7.8		29.9		89.7		6.5		18.7		13		87				<0.2		1.4	
					Bottom	7.1	0.3	169	23.2	23.2	7.9	7.9	30.4	30.5	89.9	89.9	6.5	6.5	19.1		14		89				<0.2		1.4	
						7.1	0.3	172	23.2		7.9		30.5		89.8		6.5		19.1		13		89				<0.2		1.4	
IM8	Fine	Moderate	17:21	7.5	Surface	1.0	0.1	125	23.2	23.2	8.0	8.0	29.0	29.1	89.1	89.2	6.4	6.5	16.7	19.1	13	14	85	89	821840	808155	<0.2	<0.2	2.5	2.4
						1.0	0.1	137	23.2		8.0		29.1		89.3		6.5		16.7		14		85				<0.2		2.4	
					Middle	3.8	0.2	103	23.1	23.1	8.1	8.1	29.9	29.9	90.0	90.0	6.5		19.2		15		89				<0.2		2.4	
						3.8	0.3	105	23.1		8.1		29.9		90.0		6.5		19.4		15		89				<0.2		2.4	
					Bottom	6.5	0.2	95	23.0	23.0	8.1	8.1	30.0	30.0	89.9	89.9	6.5	6.5	21.2		14		94				<0.2		2.5	
						6.5	0.2	99	23.0		8.1		30.0		89.9		6.5		21.3		14		94				<0.2		2.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 29 November 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	17:27	7.3	Surface	1.0	0.1	227	23.3	23.3	8.1	8.1	29.2	29.2	89.9	90.0	6.5	6.5	14.8	17.9	16	16	89	93	822101	808827	<0.2	<0.2	2.5	2.5
						1.0	0.1	229	23.3		8.1		29.2		90.0		6.5		14.9		16		89				<0.2		2.4	
					Middle	3.7	0.1	201	23.3	23.3	8.1	8.1	29.4	29.4	90.6	90.6	6.5		18.6		16		94				<0.2		2.5	
						3.7	0.1	210	23.3		8.1		29.4		90.6		6.5		18.6		16		95				<0.2		2.4	
					Bottom	6.3	0.1	215	23.3	23.3	8.1	8.1	29.6	29.6	91.1	91.2	6.6	6.6	20.2		15		94				<0.2		2.5	
						6.3	0.1	215	23.3		8.1		29.6		91.2		6.6		20.1		14		94				<0.2		2.4	
IM10	Fine	Moderate	17:36	8.3	Surface	1.0	0.5	138	23.1	23.1	8.0	8.0	29.9	29.9	91.0	91.0	6.6	6.6	10.9	13.9	8	8	95	93	822380	809778	<0.2	<0.2	1.3	2.3
						1.0	0.5	140	23.1		8.0		29.9		91.0		6.6		10.9		8		95				<0.2		2.4	
					Middle	4.2	0.3	123	23.0	23.0	8.0	8.0	30.0	30.0	90.1	90.1	6.5		14.2		8		90				<0.2		2.6	
						4.2	0.3	137	23.0		8.0		30.0		90.1		6.5		14.2		9		90				<0.2		2.4	
					Bottom	7.3	0.2	100	23.0	23.0	8.0	8.0	30.0	30.0	90.5	90.6	6.5	6.5	16.7		9		94				<0.2		2.4	
						7.3	0.2	117	23.0		8.0		30.0		90.6		6.5		16.7		8		94				<0.2		2.6	
IM11	Fine	Moderate	17:50	9.4	Surface	1.0	0.1	183	22.9	22.9	8.0	8.0	30.0	30.0	89.5	89.5	6.5	6.5	14.9	16.0	8	10	93	93	822049	811447	<0.2	<0.2	2.6	2.6
						1.0	0.1	184	22.9		8.0		30.0		89.5		6.5		15.3		10		93				<0.2		2.5	
					Middle	4.7	0.2	115	22.9	22.9	8.0	8.0	30.0	30.0	89.7	89.7	6.5		16.2		10		94				<0.2		2.4	
						4.7	0.2	126	22.9		8.0		30.0		89.7		6.5		16.3		10		94				<0.2		2.8	
					Bottom	8.4	0.3	131	22.9	22.9	8.0	8.0	30.0	30.0	90.2	90.3	6.5	6.5	16.7		10		93				<0.2		2.6	
						8.4	0.3	124	22.9		8.0		30.0		90.3		6.5		16.4		10		93				<0.2		2.4	
IM12	Fine	Moderate	17:57	9.9	Surface	1.0	0.2	134	22.9	22.9	8.0	8.0	30.0	30.0	88.8	88.8	6.4	6.4	14.5	14.8	10	13	89	90	821443	812062	<0.2	<0.2	2.7	2.6
						1.0	0.2	148	22.9		8.0		30.0		88.8		6.4		14.7		11		89				<0.2		2.5	
					Middle	5.0	0.2	130	22.9	22.9	8.0	8.0	30.0	30.0	88.7	88.7	-		13.2		13		89				<0.2		2.8	
						5.0	0.2	133	22.9		8.0		30.0		88.7		-		13.4		12		89				<0.2		2.4	
					Bottom	8.9	0.1	133	22.9	22.9	8.0	8.0	30.0	30.0	88.9	89.0	6.4	6.4	16.5		15		93				<0.2		2.9	
						8.9	0.1	155	22.9		8.0		30.0		89.0		6.4		16.6		14		93				<0.2		2.4	
SR1A	Fine	Moderate	18:17	6.2	Surface	1.0	-	-	23.2	23.2	8.0	8.0	30.1	30.1	90.5	90.5	6.5	6.5	10.4	11.3	8	9	-	-	820074	812589	-	-	-	-
						1.0	-	-	23.2		8.0		30.1		90.5		6.5		10.4		8		-				-		-	
					Middle	3.1	-	-	23.0	23.0	8.0	8.0	30.1	30.1	88.2	88.4	6.4		11.0		9		-				-		-	
						3.1	-	-	23.0		8.0		30.1		88.5		6.4		11.0		8		-				-		-	
					Bottom	5.2	-	-	23.0	23.0	8.0	8.0	30.1	30.1	88.6	88.7	6.4	6.4	12.5		9		-				-		-	
						5.2	-	-	23.0		8.0		30.1		88.7		6.4		12.2		9		-				-		-	
SR2	Fine	Moderate	18:31	4.9	Surface	1.0	0.1	104	23.0	23.0	8.0	8.0	30.0	30.0	89.8	89.8	6.5	6.5	11.2	11.4	9	10	85	91	821479	814182	<0.2	<0.2	3.0	2.7
						1.0	0.1	104	23.0		8.0		30.0		89.8		6.5		11.2		10		89				<0.2		2.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	120	23.0	23.0	8.0	8.0	30.1	30.1	90.2	90.3	6.5	6.5	11.3		10		94				<0.2		2.9	
						3.9	0.1	126	23.0		8.0		30.1		90.4		6.5		11.7		9		94				<0.2		2.3	
SR3	Fine	Moderate	17:14	8.7	Surface	1.0	0.3	47	23.2	23.2	8.0	8.0	29.3	29.3	89.0	89.0	6.4	6.4	14.1	16.1	7	10	-	-	822128	807549	-	-	-	-
						1.0	0.3	49	23.2		8.0		29.3		89.0		6.4		14.2		7		-				-		-	
					Middle	4.4	0.3	74	23.1	23.1	8.0	8.0	29.8	29.8	89.9	89.9	-		15.9		9		-				-		-	
						4.4	0.3	80	23.1		8.0		29.8		89.9		-		15.9		9		-				-		-	
					Bottom	7.7	0.4	60	23.0	23.0	8.0	8.0	30.0	30.0	89.6	89.6	6.5	6.5	18.4		14		-				-		-	
						7.7	0.4	63	23.0		8.0		30.0		89.5		6.5		18.2		14		-				-		-	
SR4A	Cloudy	Calm	18:14	8.5	Surface	1.0	0.3	43	23.5	23.5	7.8	7.8	30.4	30.4	95.7	95.8	6.8	6.9	12.9	13.8	6	8	-	-	817209	807814	-	-	-	-
						1.0	0.3	44	23.5		7.8		30.4		95.9		6.9		13.0		6		-				-		-	
					Middle	4.3	0.2	36	23.4	23.4	7.8	7.8	30.9	30.9	96.2	96.3	-		14.0		8		-				-		-	
						4.3	0.3	39	23.4		7.8		30.9		96.3		-		14.0		8		-				-		-	
					Bottom	7.5	0.3	62	23.4	23.4	7.8	7.8	31.1	31.1	97.8	97.8	7.0	7.0	14.5		9		-				-		-	
						7.5	0.3	67	23.4		7.8		31.1		97.8		7.0		14.4		9		-				-		-	
SR5A	Cloudy	Calm	18:28	5.4	Surface	1.0	0.1	133	23.6	23.6	7.8	7.8	31.0	31.0	94.6	94.6	6.7	6.7	13.1	13.6	9	10	-	-	816590	810679	-	-	-	-
						1.0	0.1	133	23.6		7.8		31.0		94.6		6.7		13.1		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.2	160	23.2	23.2	7.8	7.8	30.9	30.9	97.0	97.1	6.9	7.0	14.0		10		-				-		-	
						4.4	0.2	169	23.2		7.8		30.9		97.2		7.0		14.0		10		-				-		-	
SR6	Cloudy	Calm	18:58	4.7	Surface	1.0	0.0	103	23.1	23.1	7.8	7.8	30.9	30.9	90.3	90.4	6.5	6.5	12.7	13.6	9	9	-	-	817891	814643	-	-	-	-
						1.0	0.0	112	23.1		7.8		30.9		90.4		6.5		12.7		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	112	23.1	23.1	7.8	7.8	30.9	30.9	93.5	93.6	6.7	6.7	14.4		9		-				-		-	
						3.7	0.1	120	23.1		7.8		30.9		93.7		6.7		14.5		10		-				-		-	
SR7	Fine	Moderate	19:23	15.6	Surface	1.0	0.0	124	23.2	23.2	8.0	8.0	31.3	31.3	87.2	87.2	6.2	6.3	7.7	7.7	4	4	-	-	823659	823733	-	-	-	-
						1.0	0.0	134	23.2		8.0		31.3		87.2		6.2		7.7		3		-				-		-	
					Middle	7.8	0.0	109	23.2	23.2	8.0	8.0	31.3	31.3	87.7	87.8	6.3		7.6		4		-				-		-	
						7.8	0.0	103	23.2		8.0		31.3		87.9		6.3		7.6		3		-				-		-	
					Bottom	14.6	0.0	98	23.2	23.2	8.0	8.0	31.2	31.2	89.3	89.5	6.4	6.4	7.7		4		-				-		-	
						14.6	0.0	99	23.2		8.0		31.3		89.6		6.4		7.8		4		-				-		-	
SR8	Fine	Moderate	18:07	5.3	Surface	1.0	-	-	22.9	22.9	8.0	8.0	29.9	29.9	89.3	89.3	6.5	6.5	12.1	12.3	7	8	-	-	820246	811418	-	-	-	-
						1.0	-	-	22.9		8.0		29.9		89.2		6.5		12.3		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	22.9	22.9	8.0	8.0	30.0	29.9	89.3	89.4	6.5	6.5	12.5		8		-				-		-	
						4.3	-	-	22.9		8.0		29.9		89.4		6.5		12.3		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 29 November 18 during Mid-Flood Tide

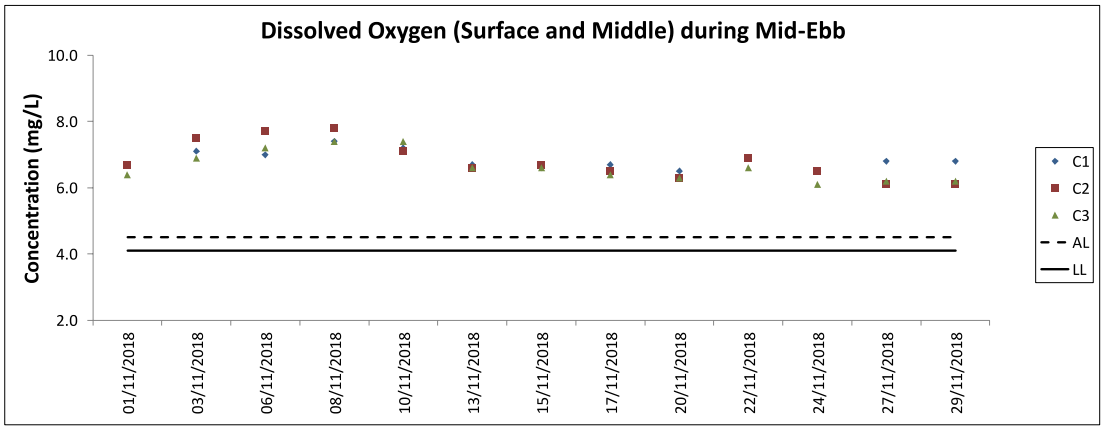
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	12:22	8.2	Surface	1.0	0.5	30	23.2	23.2	7.8	7.8	30.4	30.4	93.2	93.2	6.7	6.7	16.0	29.5	12	22	90	94	815632	804245	<0.2	<0.2	1.3	1.4
						1.0	0.5	32	23.2		7.8		30.4		93.2		6.7		16.1		11		90				<0.2		1.4	
					Middle	4.1	0.4	25	23.0	23.0	7.8	7.8	31.7	31.7	92.2	92.2	6.6		30.8		14		94				<0.2		1.3	
						4.1	0.5	26	23.0		7.8		31.7		92.2		6.6		30.9		15		95				<0.2		1.4	
					Bottom	7.2	0.4	16	23.0	23.0	7.8	7.8	31.8	31.8	92.6	92.7	6.6	6.6	41.5		39		97				<0.2		1.5	
						7.2	0.4	16	23.0		7.8		31.8		92.7		6.6		41.7		40		98				<0.2		1.3	
C2	Fine	Moderate	13:39	11.5	Surface	1.0	0.4	15	23.4	23.4	7.9	7.9	27.5	27.6	84.5	84.3	6.1	6.1	9.7	18.3	7	21	84	89	825682	806963	<0.2	<0.2	2.6	2.4
						1.0	0.4	16	23.4		7.9		27.6		84.1		6.1		9.7		7		85				<0.2		2.5	
					Middle	5.8	0.4	346	23.0	23.0	7.9	7.9	28.8	28.9	82.3	82.4	-		15.6		14		89				<0.2		2.4	
						5.8	0.4	318	23.0		7.9		28.9		82.4		-		15.8		13		89				<0.2		2.2	
					Bottom	10.5	0.4	351	23.1	23.1	7.9	7.9	29.7	29.7	83.2	83.2	6.0	6.0	29.4		42		93				<0.2		2.3	
						10.5	0.4	359	23.1		7.9		29.7		83.2		6.0		29.4		41		93				<0.2		2.3	
C3	Fine	Moderate	11:49	12.3	Surface	1.0	0.3	243	23.0	23.0	7.9	7.9	29.8	29.8	89.2	89.2	6.4	6.4	9.8	9.8	6	6	86	89	822118	817794	<0.2	<0.2	2.1	2.1
						1.0	0.3	258	23.0		7.9		29.9		89.1		6.4		9.8		6		85				<0.2		1.9	
					Middle	6.2	0.4	277	23.0	23.0	7.9	7.9	30.0	30.0	88.8	88.8	6.4		9.8		5		89				<0.2		2.2	
						6.2	0.4	289	23.0		7.9		30.0		88.8		6.4		9.7		6		89				<0.2		2.2	
					Bottom	11.3	0.5	284	22.9	22.9	7.9	7.9	30.0	30.0	89.2	89.4	6.5	6.5	9.8		6		93				<0.2		2.1	
						11.3	0.5	299	22.9		7.9		30.0		89.5		6.5		9.8		7		93				<0.2		2.2	
IM1	Fine	Moderate	12:40	5.0	Surface	1.0	0.2	23	23.3	23.3	7.9	7.9	31.0	31.0	95.6	95.6	6.8	6.8	11.6	11.7	9	9	89	93	817965	807110	<0.2	<0.2	1.0	1.1
						1.0	0.2	23	23.3		7.9		31.0		95.6		6.8		11.6		8		90				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	26	23.2	23.2	7.8	7.8	31.1	31.1	97.3	97.3	7.0	7.0	11.7		9		96				<0.2		1.0	
						4.0	0.3	26	23.2		7.8		31.1		97.3		7.0		11.7		9		97				<0.2		1.1	
IM2	Fine	Moderate	12:49	7.2	Surface	1.0	0.4	21	23.0	23.0	7.8	7.8	31.1	31.0	92.9	92.9	6.7	6.7	16.1	18.4	8	10	90	94	818158	806161	<0.2	<0.2	1.0	1.1
						1.0	0.4	22	23.0		7.8		31.0		92.8		6.7		16.2		8		91				<0.2		0.9	
					Middle	3.6	0.3	6	23.0	23.0	7.8	7.8	31.2	31.2	93.1	93.2	6.7		18.5		12		93				<0.2		1.1	
						3.6	0.3	6	23.0		7.8		31.2		93.2		6.7		18.6		10		94				<0.2		1.0	
					Bottom	6.2	0.3	357	23.0	23.0	7.8	7.8	31.3	31.3	94.4	94.5	6.8	6.8	20.5		10		98				<0.2		1.3	
						6.2	0.3	328	23.0		7.8		31.3		94.6		6.8		20.5		11		98				<0.2		1.2	
IM3	Fine	Moderate	12:55	7.5	Surface	1.0	0.3	30	22.9	22.9	7.8	7.8	31.0	31.0	92.2	92.3	6.6	6.6	18.6	23.7	7	8	95	98	818801	805615	<0.2	<0.2	1.0	0.9
						1.0	0.4	31	22.9		7.8		31.0		92.3		6.6		18.7		8		95				<0.2		1.0	
					Middle	3.8	0.2	33	22.9	22.9	7.8	7.8	31.0	31.0	92.1	92.2	6.6		23.8		8		98				<0.2		0.9	
						3.8	0.3	36	22.9		7.8		31.0		92.2		6.6		23.8		8		99				<0.2		0.9	
					Bottom	6.5	0.3	35	22.9	22.9	7.8	7.8	31.0	31.0	94.0	94.1	6.8	6.8	28.4		9		100				<0.2		0.9	
						6.5	0.3	35	22.9		7.8		31.0		94.1		6.8		28.7		7		101				<0.2		0.8	
IM4	Fine	Moderate	13:04	7.7	Surface	1.0	0.5	355	23.4	23.4	7.8	7.8	30.1	30.0	94.1	94.1	6.8	6.8	15.0	19.9	7	8	94	99	819711	804605	<0.2	<0.2	1.3	1.2
						1.0	0.5	327	23.4		7.8		30.0		94.1		6.8		15.1		7		96				<0.2		1.1	
					Middle	3.9	0.4	341	23.0	23.0	7.8	7.8	30.8	30.8	93.3	93.3	6.7		19.5		8		99				<0.2		1.2	
						3.9	0.4	314	23.0		7.8		30.8		93.2		6.7		19.6		8		99				<0.2		1.2	
					Bottom	6.7	0.4	337	22.9	22.9	7.8	7.8	30.8	30.8	96.0	96.0	6.9	6.9	25.3		8		101				<0.2		1.2	
						6.7	0.4	340	22.9		7.8		30.8		96.0		6.9		25.0		8		102				<0.2		1.2	
IM5	Fine	Moderate	13:11	7.2	Surface	1.0	0.6	0	23.3	23.3	7.8	7.8	29.9	29.9	94.5	94.6	6.8	6.8	14.5	17.7	11	11	89	94	820746	804849	<0.2	<0.2	0.9	1.0
						1.0	0.6	0	23.3		7.8		29.9		94.6		6.8		14.5		12		89				<0.2		0.9	
					Middle	3.6	0.6	359	23.2	23.2	7.8	7.8	30.2	30.2	94.1	94.0	6.8		17.0		12		95				<0.2		0.9	
						3.6	0.7	330	23.2		7.8		30.2		93.9		6.8		16.9		10		95				<0.2		1.1	
					Bottom	6.2	0.5	347	22.9	22.9	7.8	7.8	30.7	30.7	94.9	94.9	6.8	6.8	21.5		11		98				<0.2		0.9	
						6.2	0.5	319	22.9		7.8		30.7		94.9		6.8		21.5		11		99				<0.2		1.1	
IM6	Fine	Moderate	13:18	7.0	Surface	1.0	0.3	37	23.2	23.2	7.8	7.8	30.4	30.4	92.4	92.5	6.6	6.7	16.4	17.6	10	13	92	98	821060	805828	<0.2	<0.2	0.9	0.9
						1.0	0.3	38	23.2		7.8		30.4		92.5		6.6		16.4		10		93				<0.2		1.0	
					Middle	3.5	0.2	51	23.1	23.1	7.8	7.8	30.7	30.7	93.1	93.1	6.7		17.8		14		98				<0.2		0.8	
						3.5	0.2	54	23.1		7.8		30.7		93.1		6.7		17.8		14		99				<0.2		1.0	
					Bottom	6.0	0.1	37	23.1	23.1	7.8	7.8	30.8	30.8	95.6	95.6	6.9	6.9	18.4		13		102				<0.2		0.7	
						6.0	0.1	40	23.1		7.8		30.8		95.6		6.9		18.6		14		102				<0.2		1.0	
IM7	Fine	Moderate	13:24	7.8	Surface	1.0	0.1	337	23.4	23.4	7.8	7.8	29.7	29.7	90.9	90.9	6.5	6.6	15.8	17.5	13	14	88	94	821334	806850	<0.2	<0.2	0.6	0.7
						1.0	0.1	352	23.4		7.8		29.7		90.9		6.5		15.9		13		89				<0.2		0.7	
					Middle	3.9	0.2	48	23.2	23.2	7.8	7.8	30.0	30.0	93.1	93.2	6.7		17.6		13		94				<0.2		0.6	
						3.9	0.2	50	23.2		7.8		30.1		93.2		6.7		17.5		13		95				<0.2		0.9	
					Bottom	6.8	0.2	43	23.1	23.1	7.9	7.9	30.7	30.7	97.1	97.2	7.0	7.0	19.1		17		99				<0.2		0.6	
						6.8	0.2	46	23.1		7.9		30.7		97.3		7.0		19.1		16		100				<0.2		0.7	
IM8	Fine	Moderate	13:11	7.3	Surface	1.0	0.0	106	23.3	23.3	8.0	8.0	28.6	28.6	87.3	87.4	6.3	6.4	15.3	19.1	11	13	85	89	821823	808153	<0.2	<0.2	1.9	1.9
						1.0	0.0	114	23.3		8.0		28.6		87.4		6.3		15.3		10		85				<0.2		1.7	
					Middle	3.7	0.1	100	23.1	23.1	8.0	8.0	29.2	29.3	88.5	88.5	6.4		20.2		13		89				<0.2		1.8	
						3.7	0.2	100	23.1		8.0		29.3		88.5		6.4		20.4		13		90				<0.2		1.8	
					Bottom	6.3	0.1	46	23.1	23.1	8.0	7.9	29.4	29.4	88.3	88.3	6.4	6.4	21.7		15		93				<0.2		1.8	
						6.3	0.1	48	23.1		7.9		29.4		88.2		6.4		21.8		14		93				<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 29 November 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	13:04	7.8	Surface	1.0	0.2	144	23.2	23.2	8.0	8.0	28.7	28.7	86.8	86.9	6.3	6.4	18.9	20.2	20	25	89	91	822080	808790	<0.2	<0.2	1.9	1.9
						1.0	0.2	152	23.2		8.0		28.7		87.0		6.3		18.8		22		89				<0.2		1.9	
					Middle	3.9	0.2	112	23.3	23.3	8.0	8.0	29.1	29.1	88.7	88.8	6.4		20.2		26		90				<0.2		1.9	
						3.9	0.2	116	23.3		8.0		29.1		88.8		6.4		20.4		26		90				<0.2		1.9	
					Bottom	6.8	0.2	128	23.4	23.4	8.0	8.0	29.2	29.2	89.0	89.0	6.4	6.4	21.5		29		94				<0.2		1.8	
						6.8	0.2	137	23.4		8.0		29.2		89.0		6.4		21.5		29		95				<0.2		1.8	
IM10	Fine	Moderate	12:57	7.4	Surface	1.0	0.3	99	23.1	23.1	8.0	8.0	29.6	29.6	90.0	90.0	6.5	6.5	12.7	15.0	11	11	95	94	822401	809776	<0.2	<0.2	1.7	1.8
						1.0	0.3	108	23.0		8.0		29.6		89.9		6.5		13.1		10		95				<0.2		1.5	
					Middle	3.7	0.3	76	22.9	22.9	8.0	8.0	29.6	29.6	89.3	89.4	6.5		15.9		10		95				<0.2		1.8	
						3.7	0.4	82	22.9		8.0		29.6		89.4		6.5		15.9		11		95				<0.2		1.8	
					Bottom	6.4	0.2	77	22.9	22.9	8.0	8.0	29.6	29.6	89.7	89.8	6.5	6.5	16.1		11		93				<0.2		1.9	
						6.4	0.3	77	22.9		8.0		29.6		89.8		6.5		16.1		11		93				<0.2		1.8	
IM11	Fine	Moderate	12:46	8.7	Surface	1.0	0.7	299	23.0	23.0	8.0	8.0	29.7	29.7	89.0	89.0	6.4	6.4	15.3	18.2	8	9	93	94	822063	811456	<0.2	<0.2	1.9	2.0
						1.0	0.7	319	22.9		8.0		29.8		88.9		6.4		15.8		8		93				<0.2		1.9	
					Middle	4.4	0.6	297	22.9	22.9	8.0	8.0	29.8	29.8	88.8	88.8	-		18.3		8		94				<0.2		2.0	
						4.4	0.6	302	22.9		8.0		29.8		88.8		-		18.8		10		94				<0.2		1.9	
					Bottom	7.7	0.5	302	22.8	22.8	8.0	8.0	29.8	29.8	89.0	89.0	6.4	6.5	20.2		9		95				<0.2		2.0	
						7.7	0.5	303	22.8		8.0		29.8		89.0		6.5		20.8		8		94				<0.2		2.0	
IM12	Fine	Moderate	12:38	9.6	Surface	1.0	0.3	276	22.8	22.8	8.0	8.0	30.0	30.0	88.4	88.4	6.4	6.4	18.5	20.5	5	6	89	92	821465	812066	<0.2	<0.2	1.9	1.8
						1.0	0.4	281	22.8		8.0		30.0		88.3		6.4		18.6		6		89				<0.2		1.8	
					Middle	4.8	0.4	269	22.8	22.8	8.0	8.0	30.0	30.0	88.0	88.0	6.4		20.3		5		89				<0.2		1.8	
						4.8	0.4	282	22.8		8.0		30.0		88.0		6.4		20.5		5		94				<0.2		1.7	
					Bottom	8.6	0.3	269	22.8	22.8	8.0	8.0	30.0	30.0	88.1	88.3	6.4	6.4	22.6		6		94				<0.2		1.9	
						8.6	0.3	293	22.8		8.0		30.0		88.5		6.4		22.5		6		94				<0.2		1.8	
SR1A	Fine	Moderate	12:20	6.5	Surface	1.0	-	-	22.8	22.9	8.0	8.0	29.9	30.0	85.2	86.5	6.2	6.3	16.6	15.6	5	5	-	-	820065	812580	-	-	-	-
						1.0	-	-	22.9		8.0		30.1		87.7		6.3		16.8		6		-				-		-	
					Middle	3.3	-	-	22.9	22.9	8.0	8.0	30.1	30.1	87.6	87.5	6.3		13.3		4		-				-		-	
						3.3	-	-	22.9		8.0		30.1		87.3		6.3		13.5		5		-				-		-	
					Bottom	5.5	-	-	22.9	22.9	8.0	7.9	30.1	30.1	87.2	87.2	6.3	6.3	16.7		6		-				-		-	
						5.5	-	-	22.9		7.9		30.1		87.2		6.3		16.4		6		-				-		-	
SR2	Fine	Moderate	12:08	4.6	Surface	1.0	0.2	144	23.0	23.0	7.9	7.9	29.8	29.8	90.7	90.8	6.6	6.6	12.4	12.4	5	6	85	90	821483	814171	<0.2	<0.2	1.8	1.9
						1.0	0.2	149	23.0		7.9		29.8		90.8		6.6		12.4		5		85				<0.2		1.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	146	23.0	23.0	7.9	7.9	29.8	29.8	92.3	92.5	6.7	6.7	12.5		8		94				<0.2		1.8	
						3.6	0.2	153	23.0		7.9		29.8		92.7		6.7		12.5		7		94				<0.2		2.0	
SR3	Fine	Moderate	13:19	8.5	Surface	1.0	0.0	281	23.1	23.1	7.9	7.9	28.4	28.4	85.4	85.5	6.2	6.2	10.5	19.7	5	6	-	-	822167	807587	-	-	-	-
						1.0	0.0	294	23.1		8.0		28.5		85.6		6.2		10.5		5		-				-		-	
					Middle	4.3	0.1	21	23.0	23.0	8.0	8.0	29.0	29.1	86.6	86.7	-		20.6		5		-				-		-	
						4.3	0.1	22	23.0		8.0		29.1		86.7		-		20.6		6		-				-		-	
					Bottom	7.5	0.2	46	23.0	23.0	8.0	8.0	29.2	29.2	86.2	86.1	6.3	6.3	28.0		6		-				-		-	
						7.5	0.2	49	23.0		8.0		29.2		86.0		6.2		28.0		6		-				-		-	
SR4A	Fine	Calm	12:01	8.0	Surface	1.0	0.1	68	22.9	22.9	7.8	7.8	31.0	31.0	91.0	91.0	6.5	6.6	16.8	18.1	8	12	-	-	817177	807820	-	-	-	-
						1.0	0.1	68	22.9		7.8		31.0		91.0		6.5		17.0		7		-				-		-	
					Middle	4.0	0.1	59	22.9	22.9	7.7	7.7	31.0	31.0	92.4	92.4	6.6		18.5		13		-				-		-	
						4.0	0.1	63	22.9		7.7		31.0		92.4		6.6		18.4		15		-				-		-	
					Bottom	7.0	0.2	77	22.9	22.9	7.8	7.8	31.1	31.1	95.6	95.8	6.9	6.9	19.0		15		-				-		-	
						7.0	0.2	78	22.9		7.8		31.1		95.9		6.9		18.6		15		-				-		-	
SR5A	Fine	Calm	11:45	4.7	Surface	1.0	0.1	318	23.0	23.0	7.7	7.7	30.9	30.9	91.9	91.9	6.6	6.6	17.0	18.3	7	7	-	-	816582	810692	-	-	-	-
						1.0	0.1	334	23.0		7.7		30.9		91.9		6.6		17.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	335	22.9	22.9	7.7	7.7	30.9	30.9	96.0	96.0	6.9	6.9	19.6		8		-				-		-	
						3.7	0.1	342	22.9		7.7		30.9		96.0		6.9		19.6		7		-				-		-	
SR6	Fine	Calm	11:15	4.1	Surface	1.0	0.1	223	23.0	23.0	7.8	7.8	31.0	31.0	87.0	87.0	6.2	6.2	14.8	14.2	9	10	-	-	817916	814639	-	-	-	-
						1.0	0.1	232	23.0		7.8		31.0		87.0		6.2		15.0		10		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.1	219	22.9	22.9	7.8	7.8	31.0	31.0	86.7	86.7	6.2	6.2	14.0		11		-				-		-	
						3.1	0.1	231	22.9		7.8		31.0		86.7		6.2		12.8		9		-				-		-	
SR7	Fine	Moderate	11:20	15.4	Surface	1.0	0.3	275	23.1	23.1	7.9	7.9	30.6	30.6	85.8	85.8	6.2	6.2	10.6	10.8	8	8	-	-	823645	823751	-	-	-	-
						1.0	0.3	281	23.1		7.9		30.6		85.8		6.2		10.8		8		-				-		-	
					Middle	7.7	0.3	241	23.1	23.1	7.9	7.9	30.7	30.7	85.9	85.9	6.2		10.7		8		-				-		-	
						7.7	0.4	244	23.1		7.9		30.7		85.9		6.2		10.8		8		-				-		-	
					Bottom	14.4	0.6	229	23.1	23.1	7.9	7.9	30.8	30.7	86.1	86.1	6.2	6.2	10.8		8		-				-		-	
						14.4	0.6	231	23.1		7.9		30.7		86.1		6.2		11.0		8		-				-		-	
SR8	Fine	Moderate	12:30	5.3	Surface	1.0	-	-	23.0	23.0	8.0	8.0	29.7	29.7	89.0	89.0	6.4	6.4	12.8	14.7	7	6	-	-	820246	811418	-	-	-	-
						1.0	-	-	22.9		8.0		29.7		88.9		6.4		13.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	-	-	22.8	22.8	8.0	8.0	29.9	29.9	86.2	86.1	6.2	6.2	16.2		5		-				-		-	
						4.3	-	-	22.8		8.0		29.9		86.0		6.2		16.4		5		-				-		-	

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


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/11/2018
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
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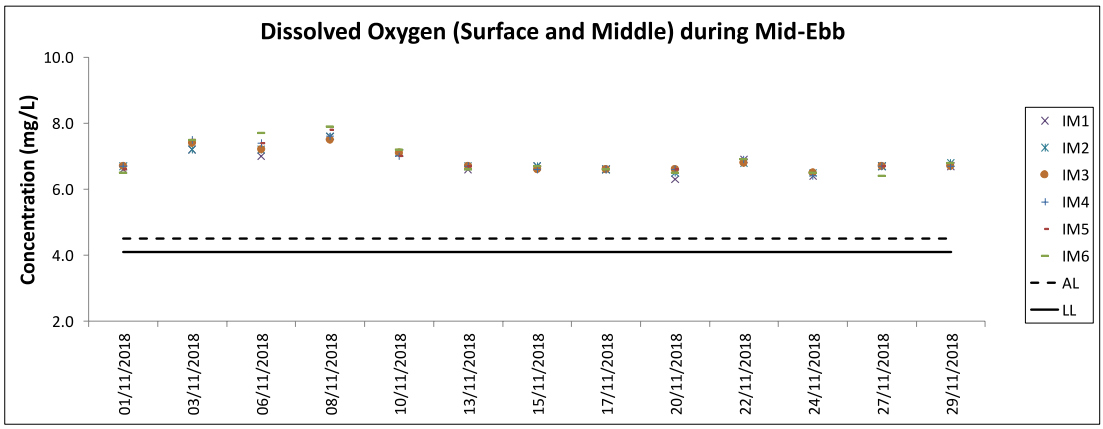
22/11/2018
24/11/2018
27/11/2018
29/11/2018
C1
C2
C3
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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8.0
6.0
4.0
2.0
01/11/2018
03/11/2018
06/11/2018
08/11/2018
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13/11/2018
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20/11/2018
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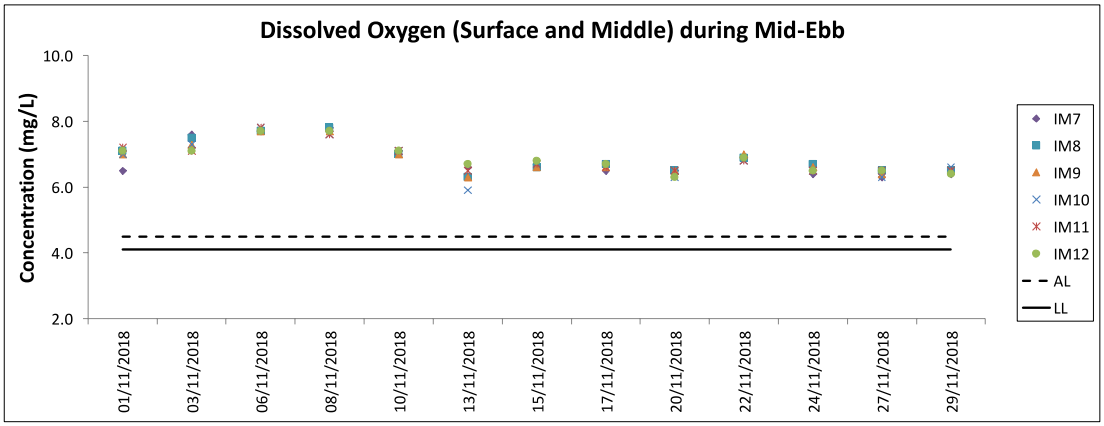
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
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8.0
6.0
4.0
2.0
01/11/2018
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
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17/11/2018
20/11/2018
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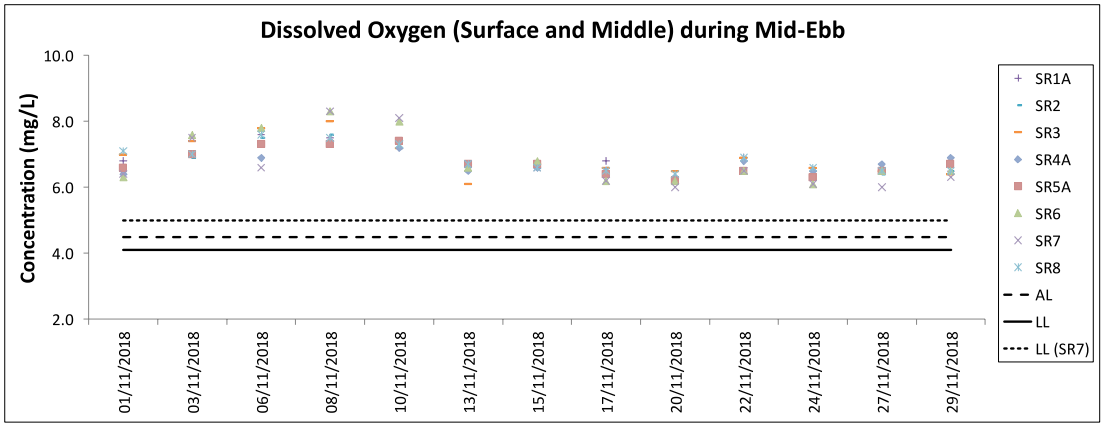
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/11/2018
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
22/11/2018
24/11/2018
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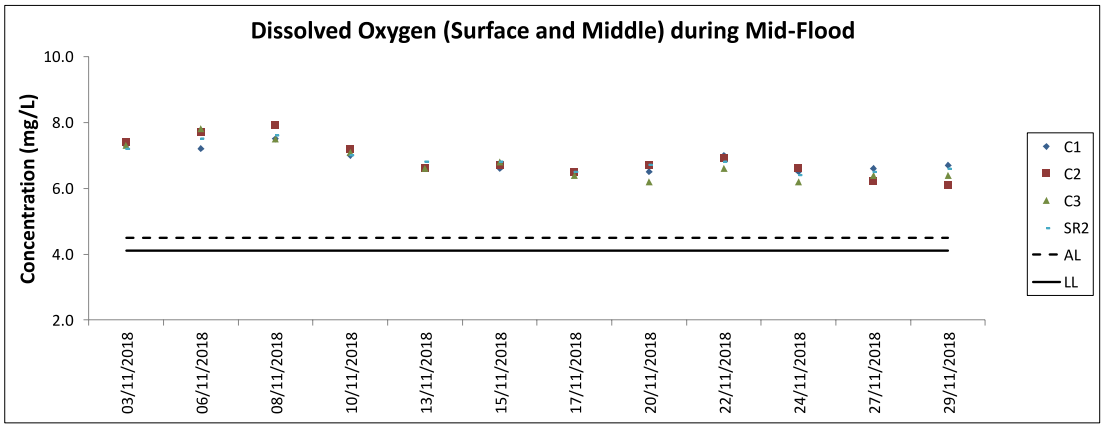
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
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6.0
4.0
2.0
03/11/2018
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08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
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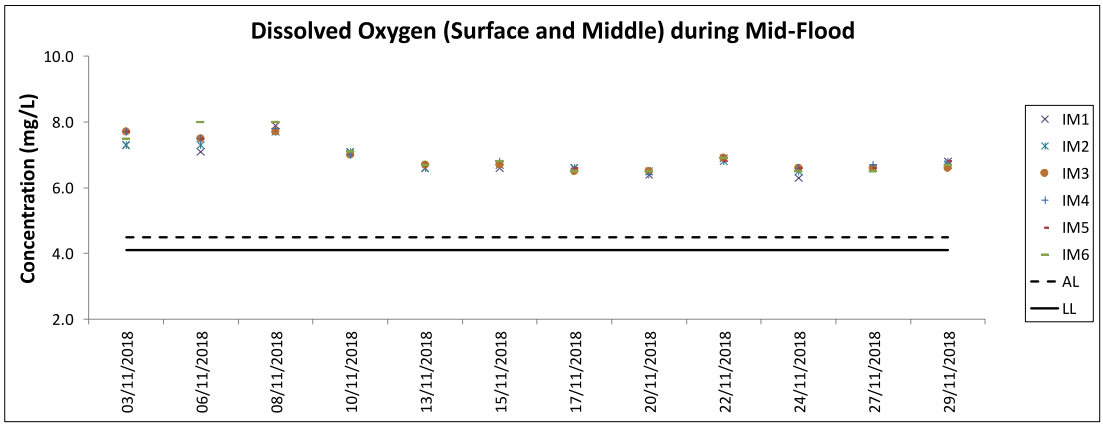
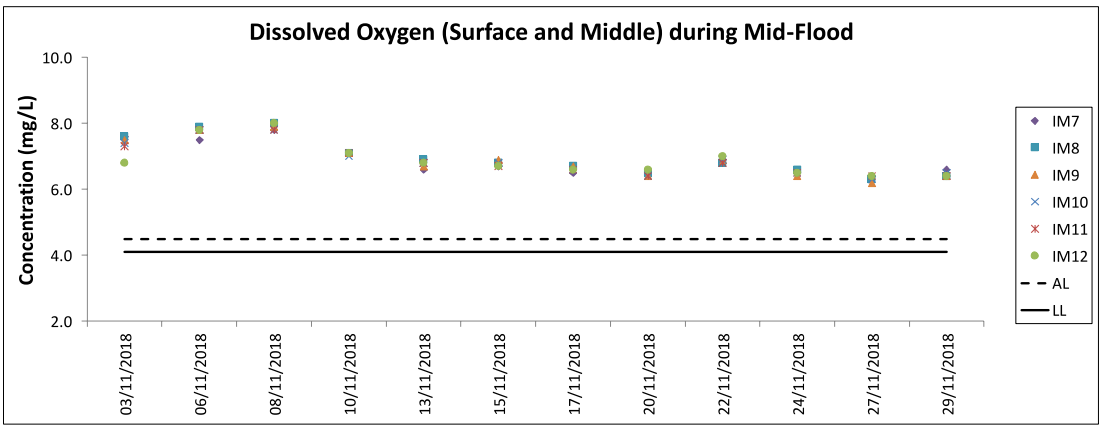
29/11/2018
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
22/11/2018
24/11/2018
27/11/2018
29/11/2018
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
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
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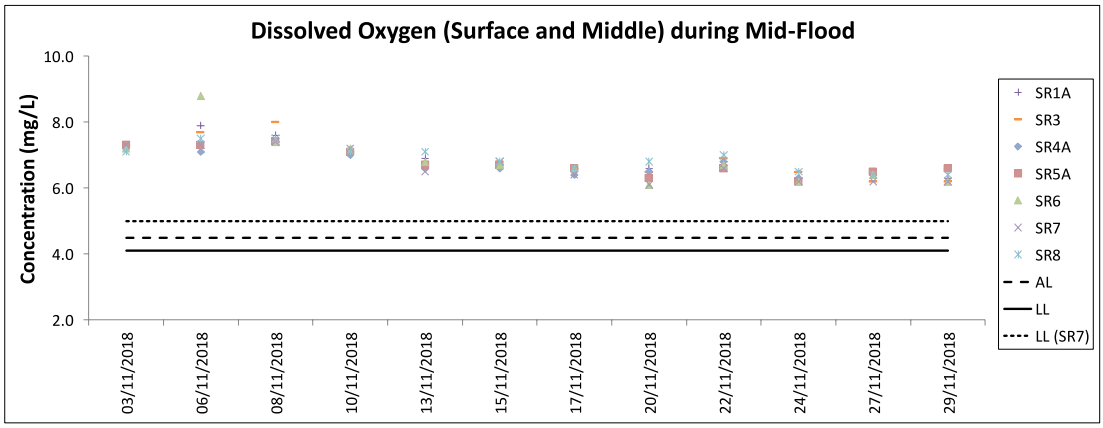
24/11/2018
27/11/2018
29/11/2018
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Surface and Middle) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
22/11/2018
24/11/2018
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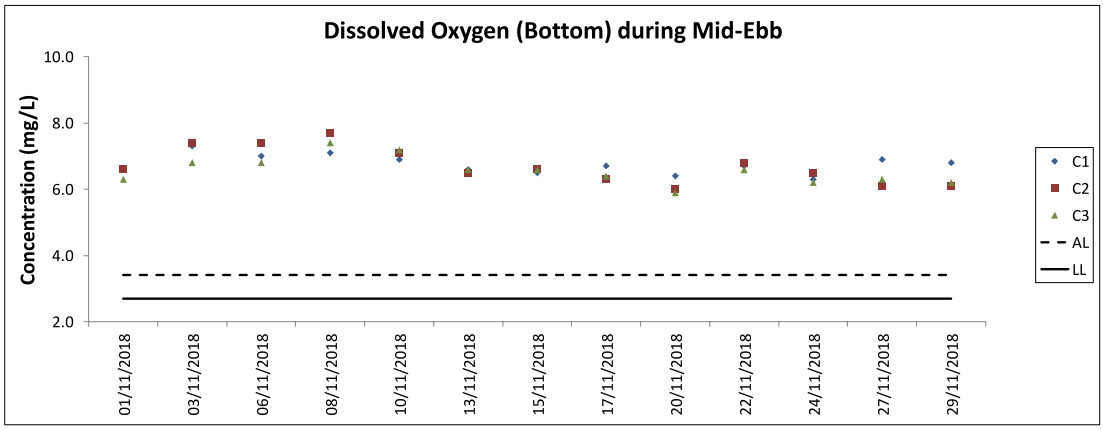
SR5A
SR6
SR7
SR8
AL
LL
LL (SR7)


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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6.0
4.0
2.0
01/11/2018
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06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
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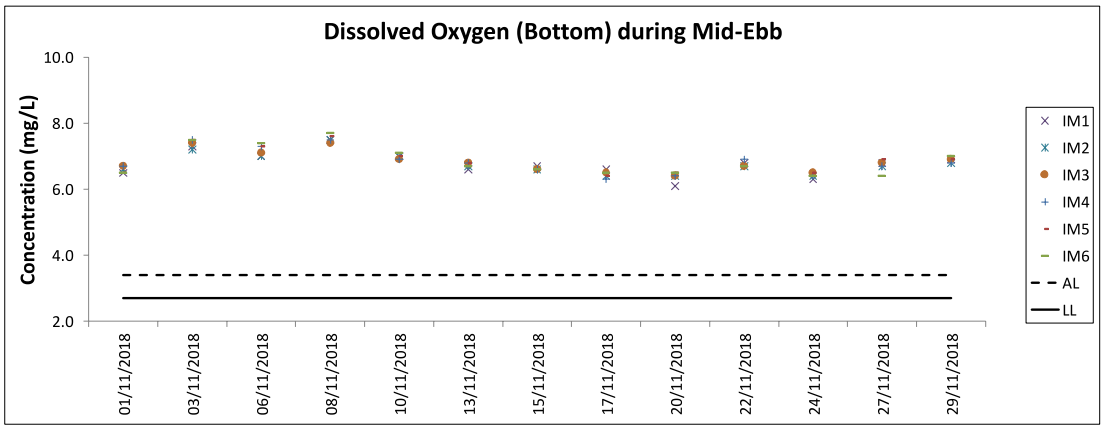
22/11/2018
24/11/2018
27/11/2018
29/11/2018
C1
C2
C3
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/11/2018
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
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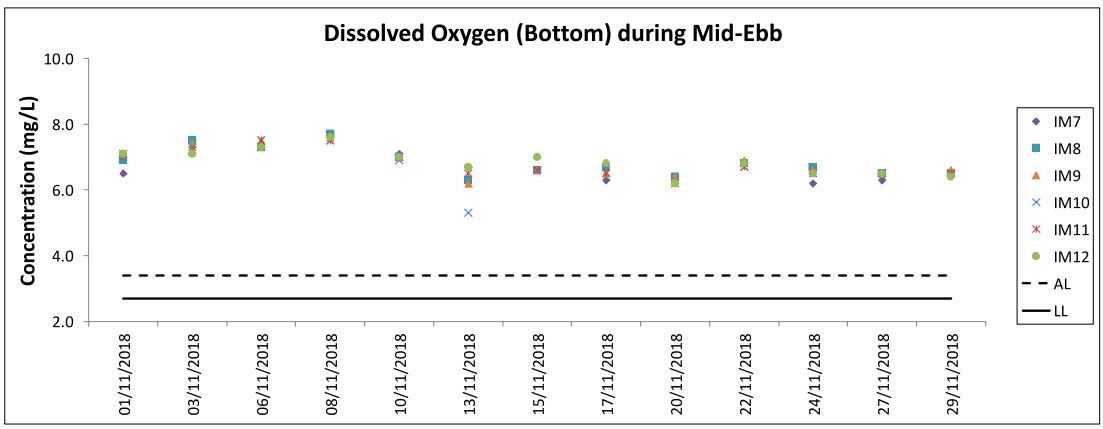
24/11/2018
27/11/2018
29/11/2018
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/11/2018
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
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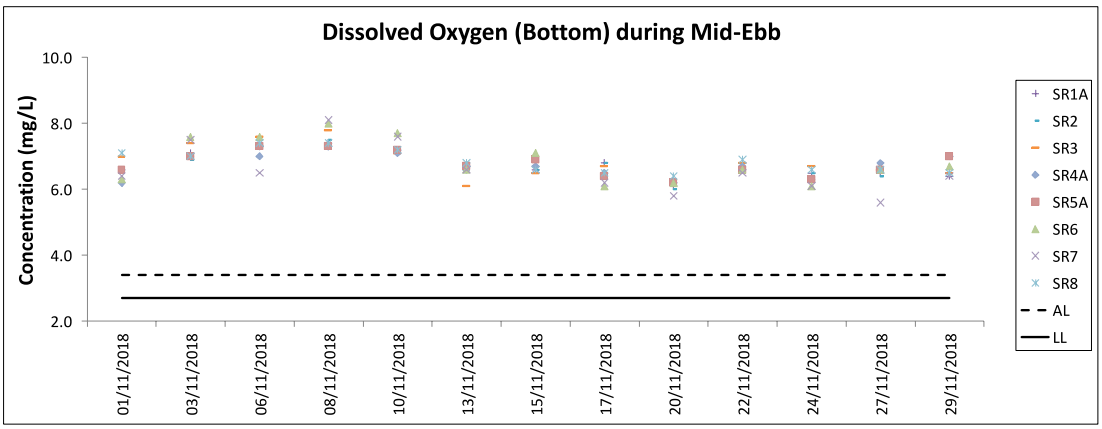
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
01/11/2018
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
22/11/2018
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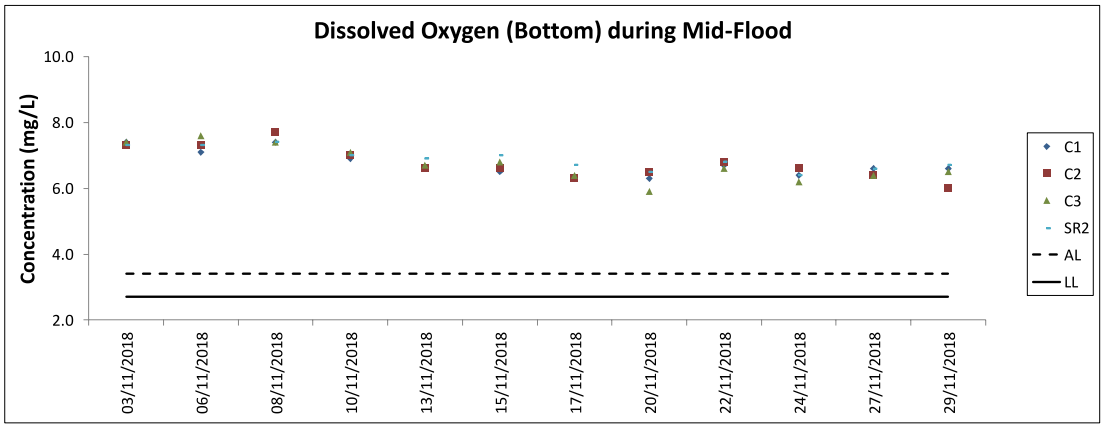
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
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8.0
6.0
4.0
2.0
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
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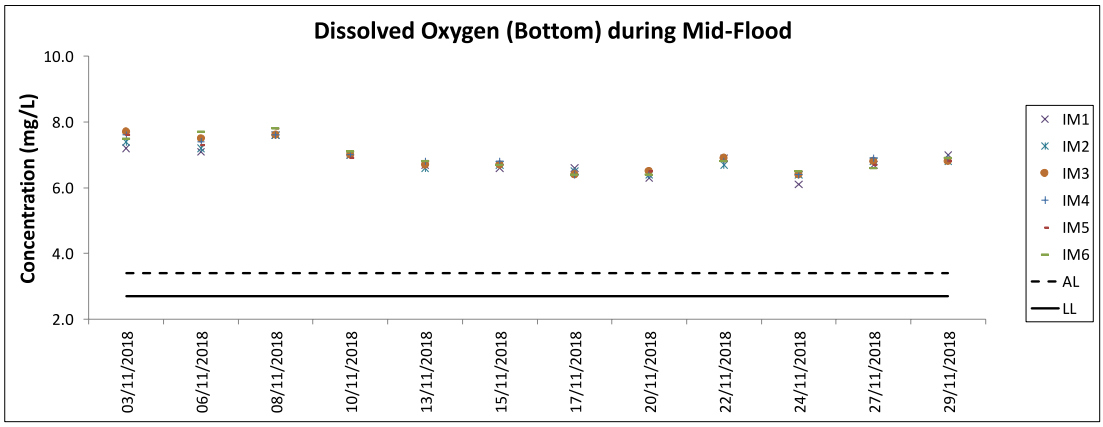
29/11/2018
C1
C2
C3
SR2
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
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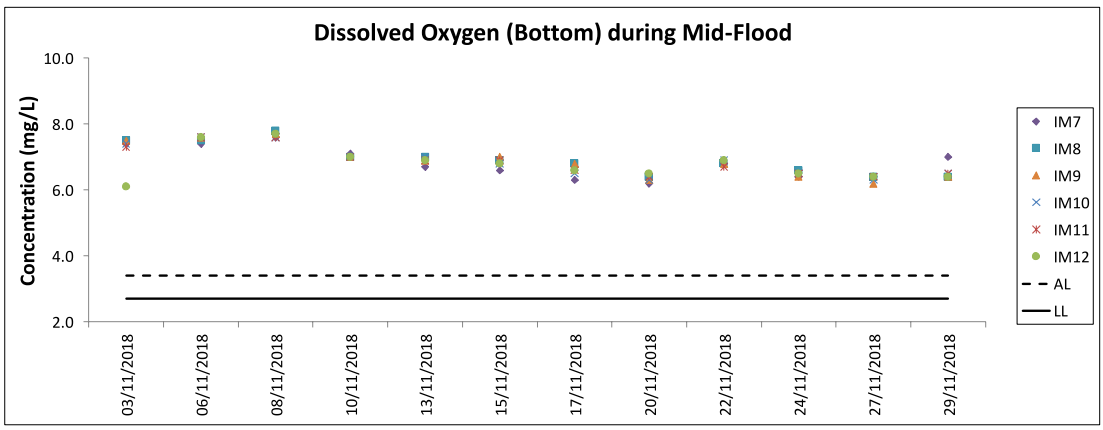
IM1
IM2
IM3
IM4
IM5
IM6
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
03/11/2018
06/11/2018
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10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
22/11/2018
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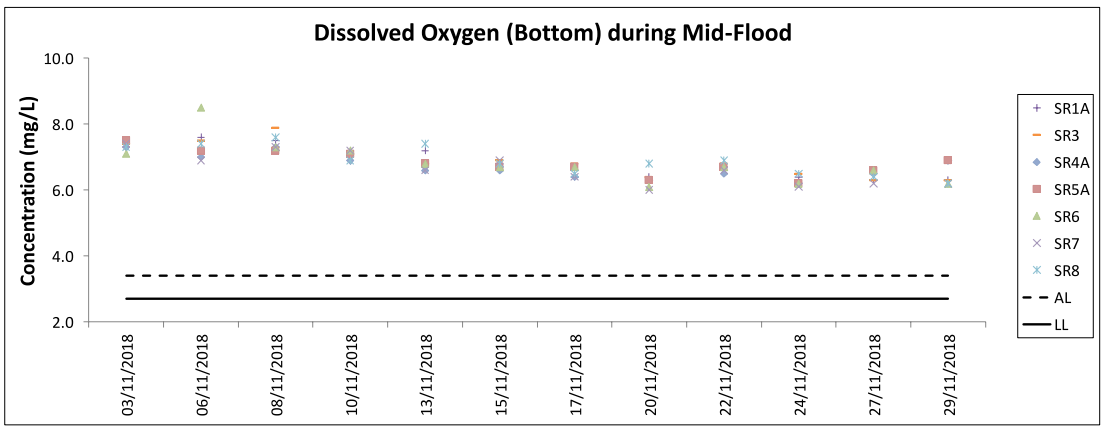
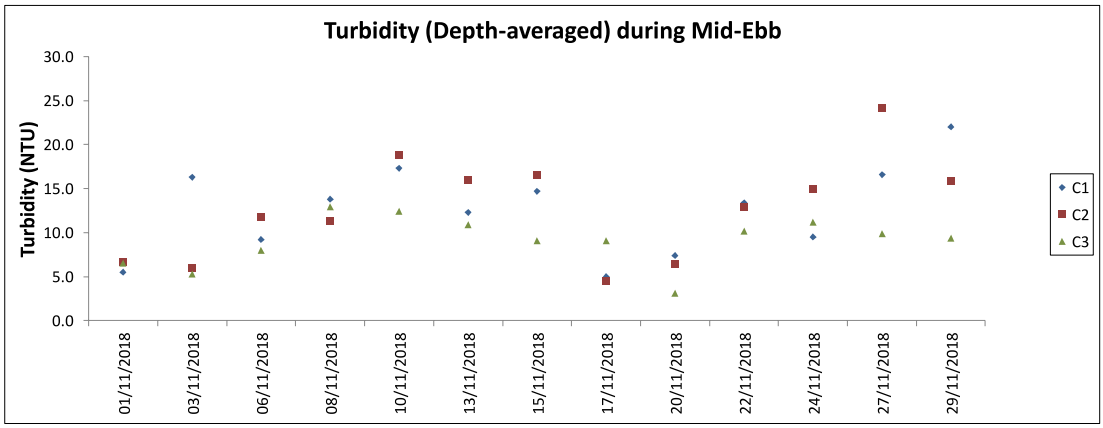
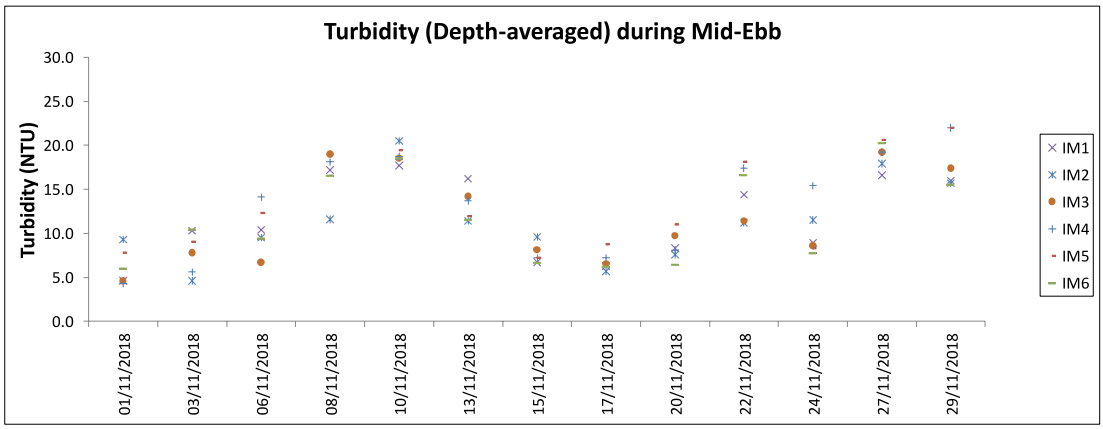
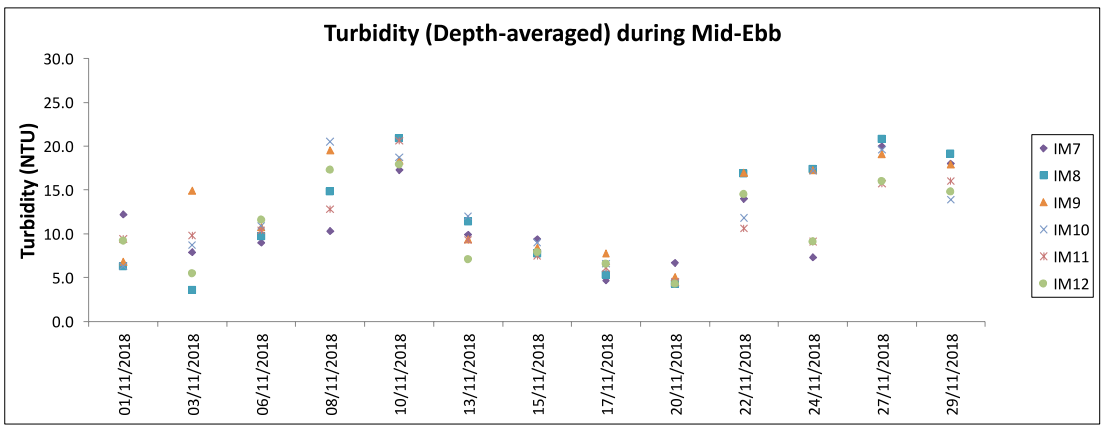
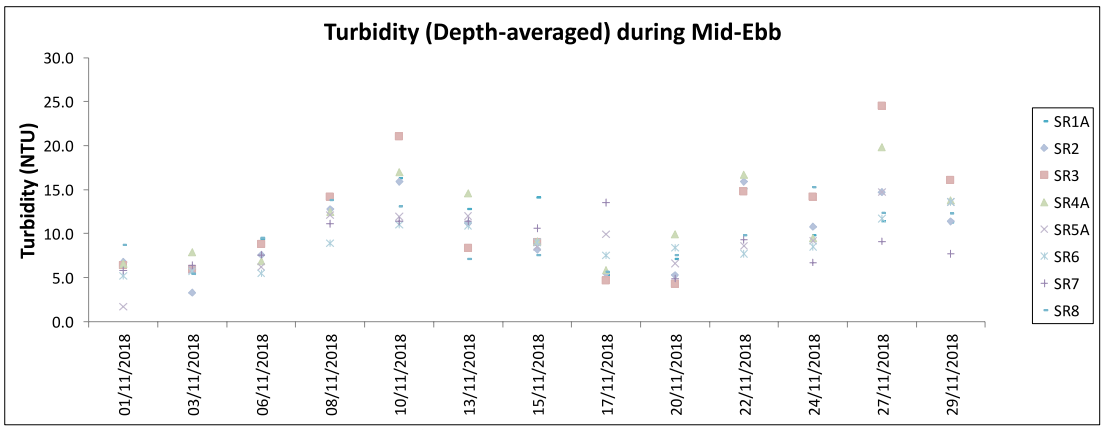
IM7
IM8
IM9
IM10
IM11
IM12
AL
LL


Dissolved Oxygen (Bottom) during Mid-Flood
Concentration (mg/L)
10.0
8.0
6.0
4.0
2.0
03/11/2018
06/11/2018
08/11/2018
10/11/2018
13/11/2018
15/11/2018
17/11/2018
20/11/2018
22/11/2018
24/11/2018
27/11/2018
29/11/2018
SR1A
SR3
SR4A
SR5A
SR6
SR7
SR8
AL
LL

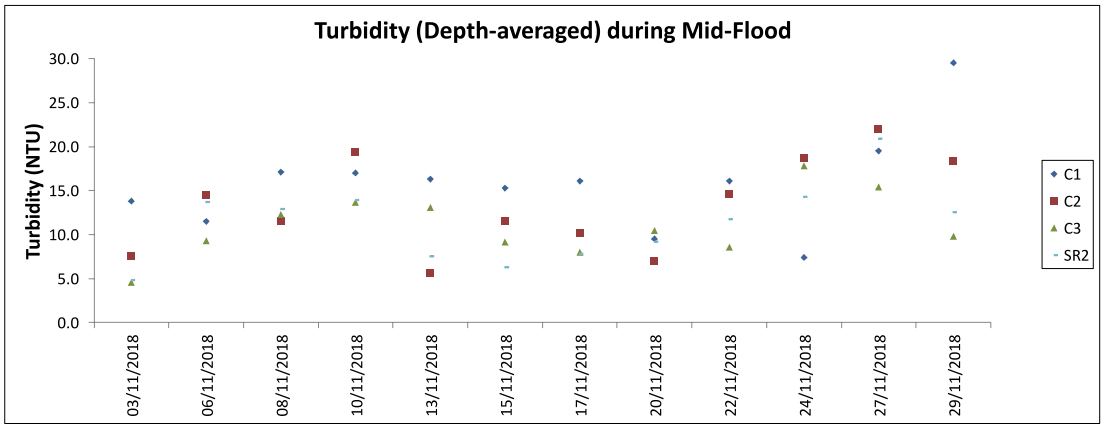


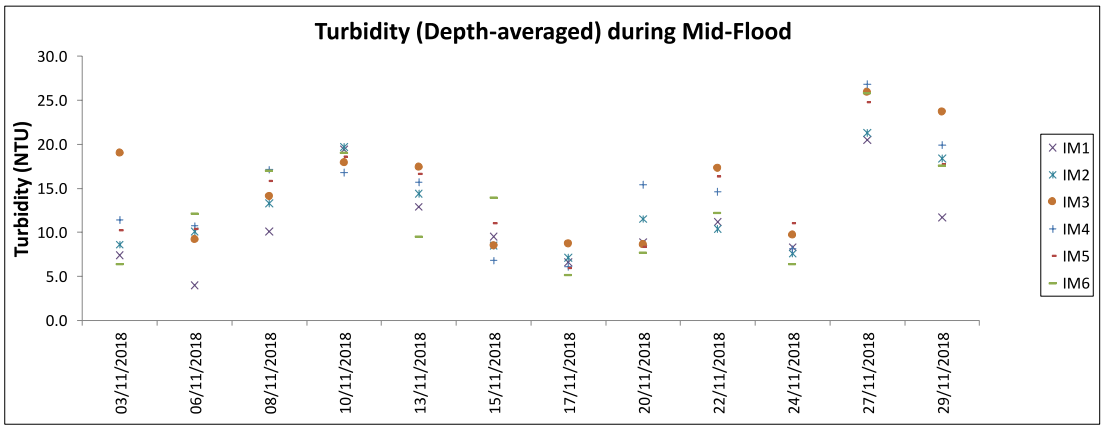


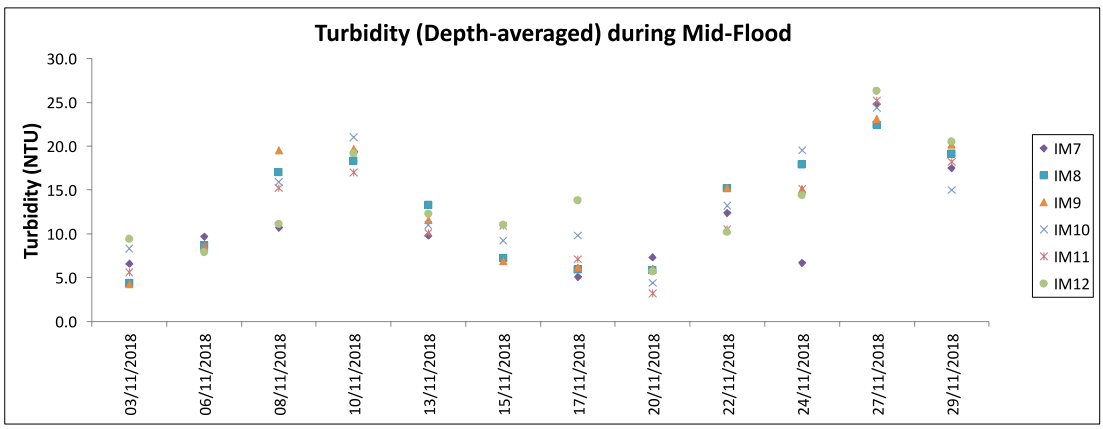


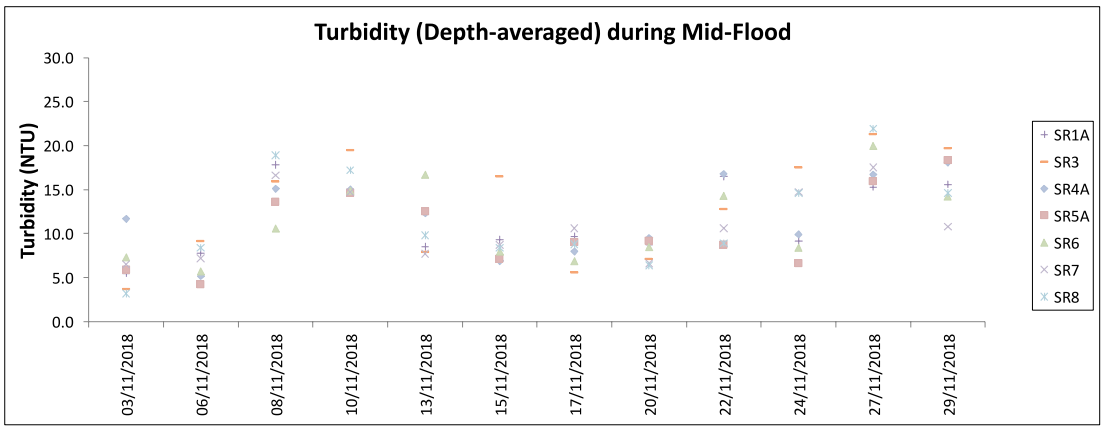


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

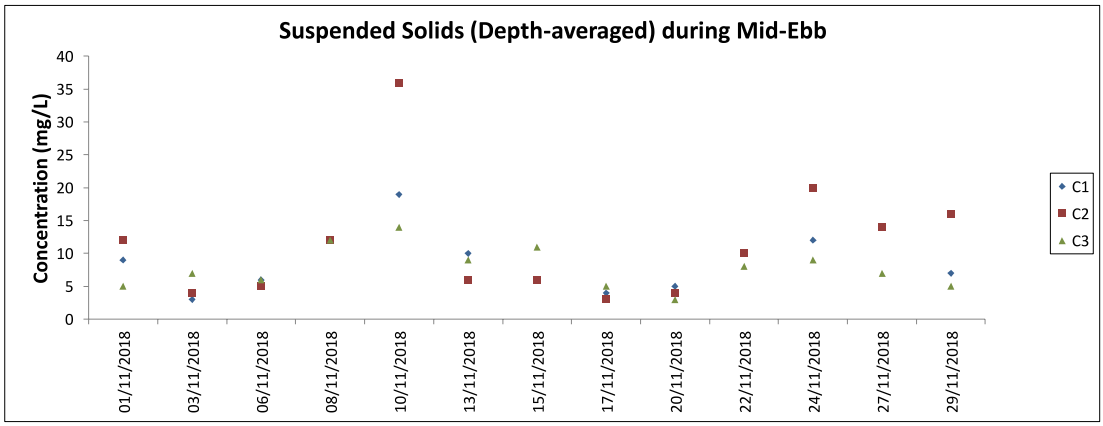


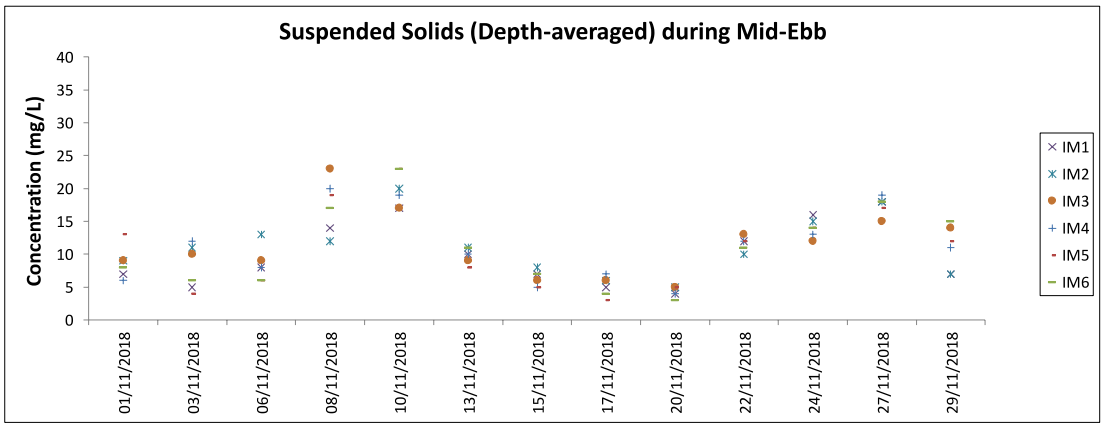


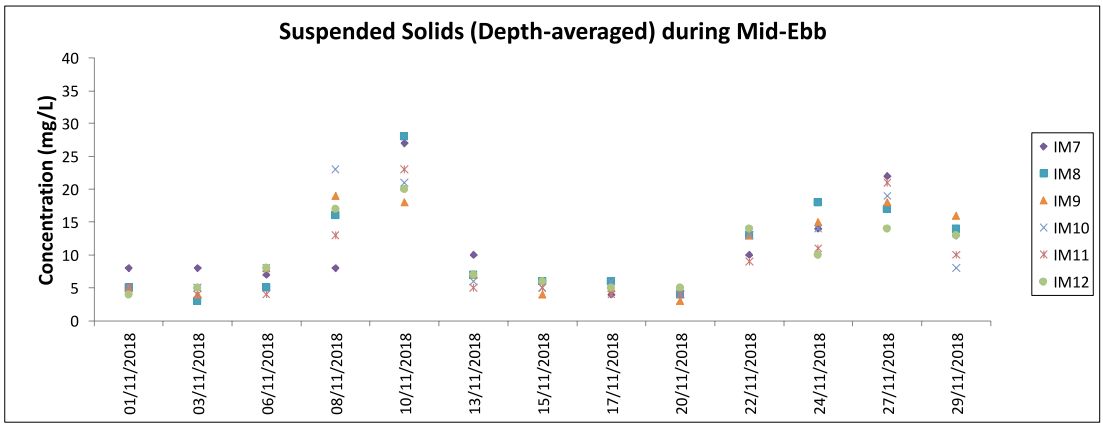


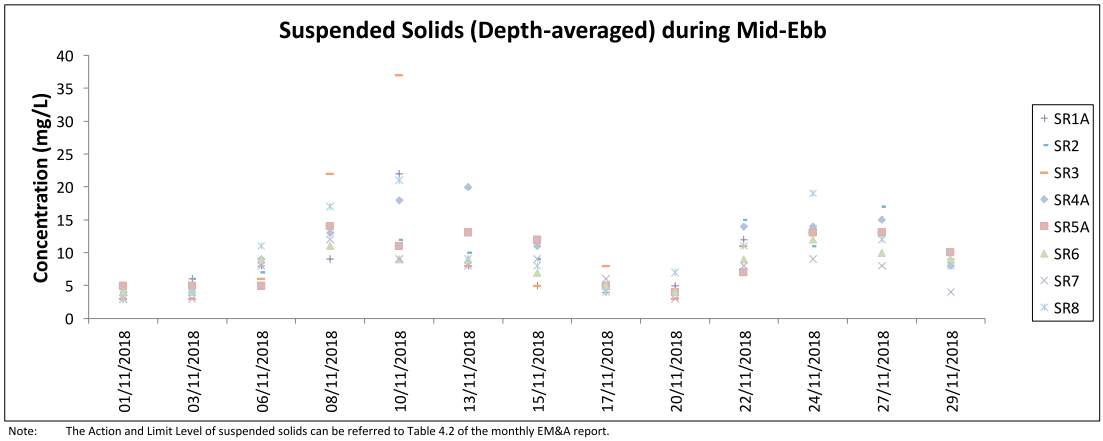


Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.

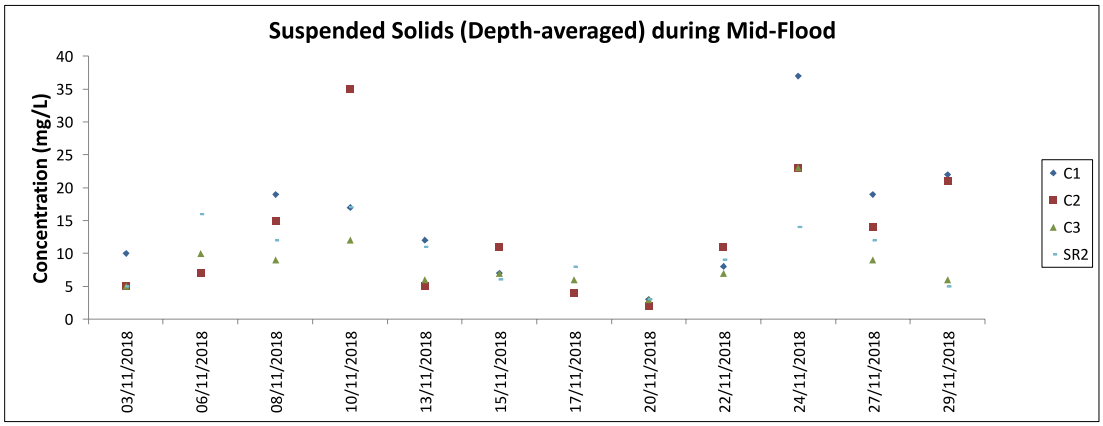


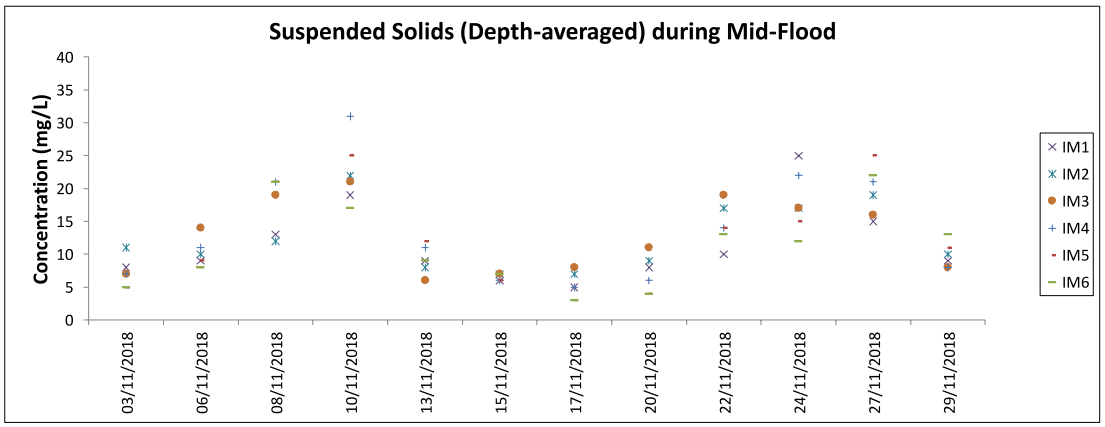


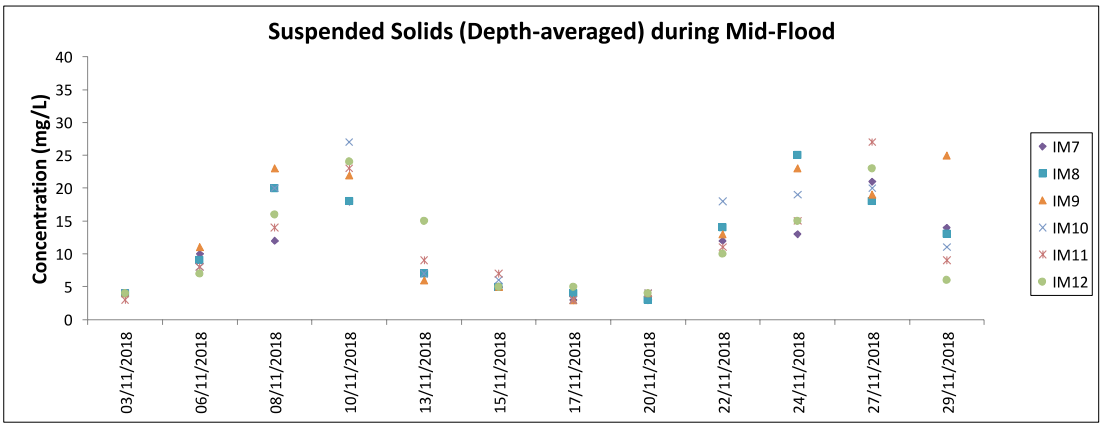


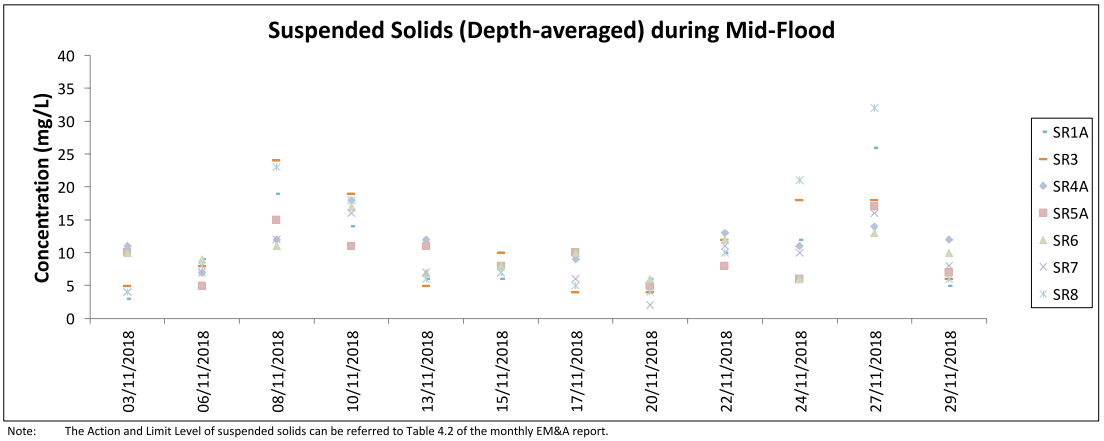


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

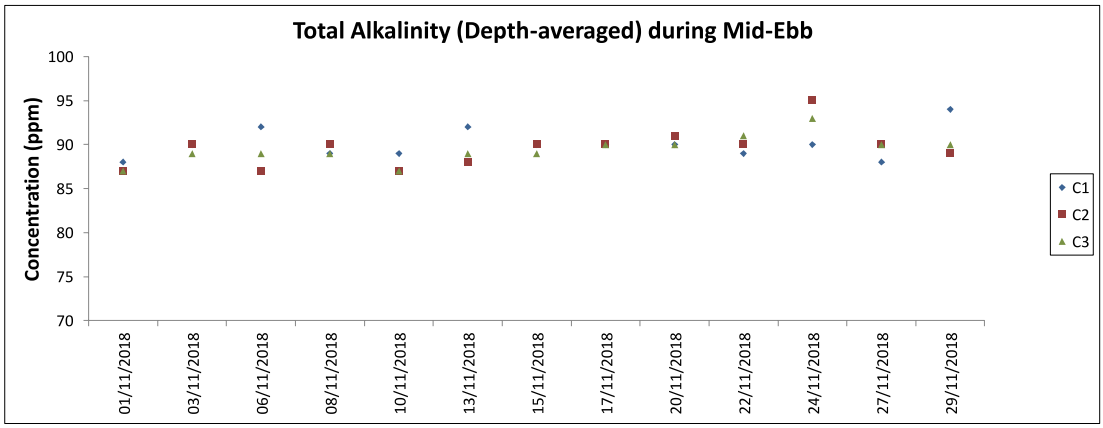


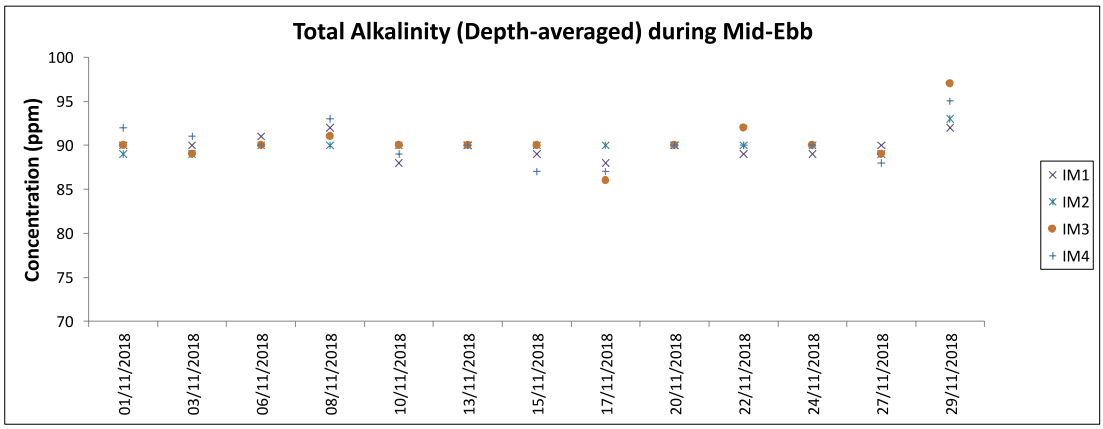


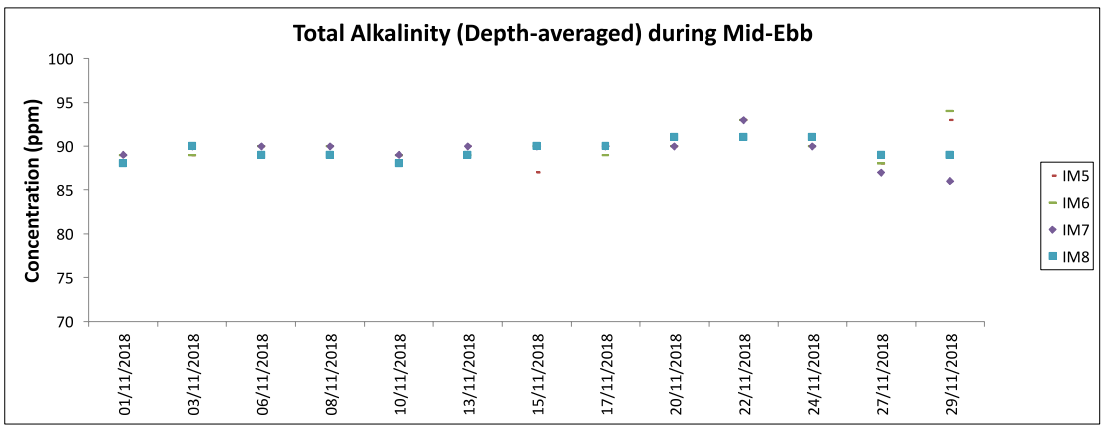


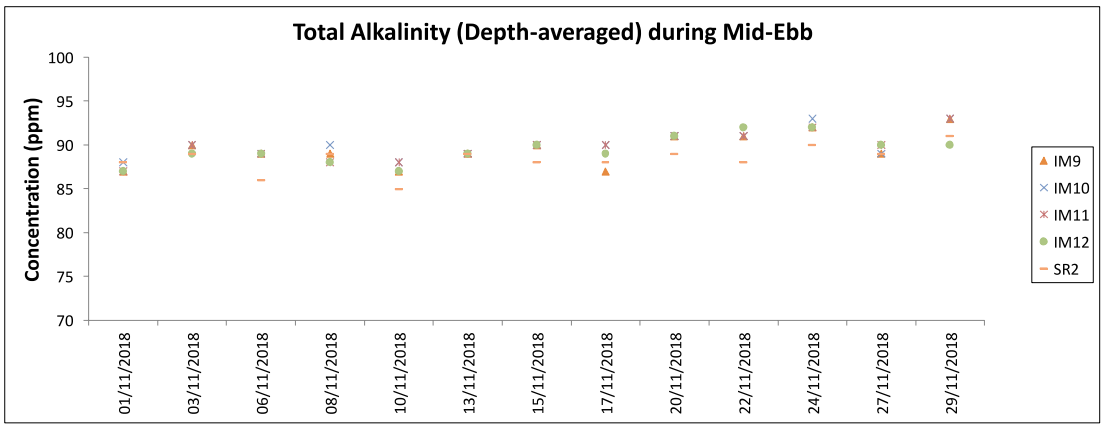


Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.

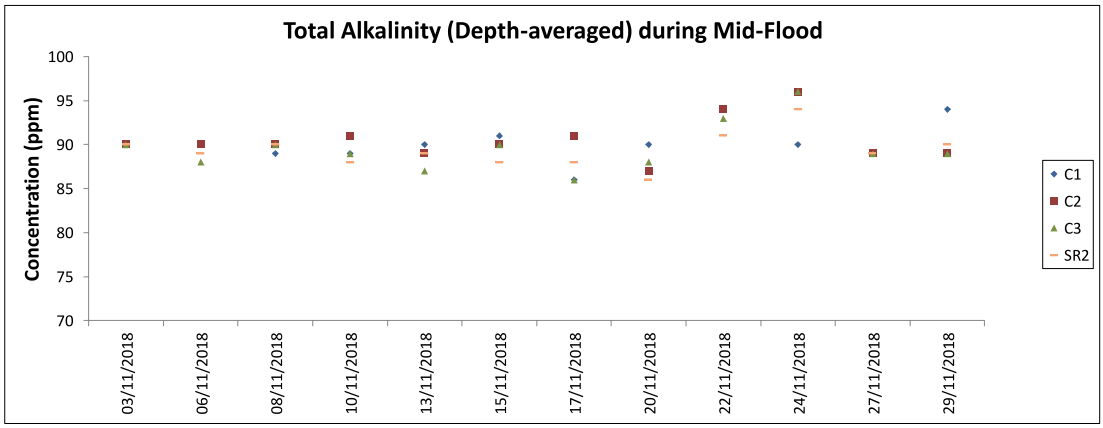


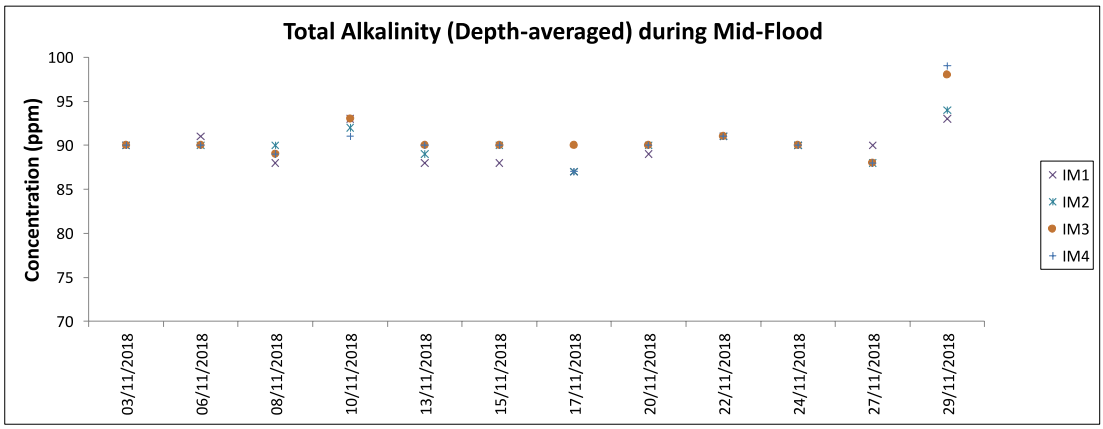


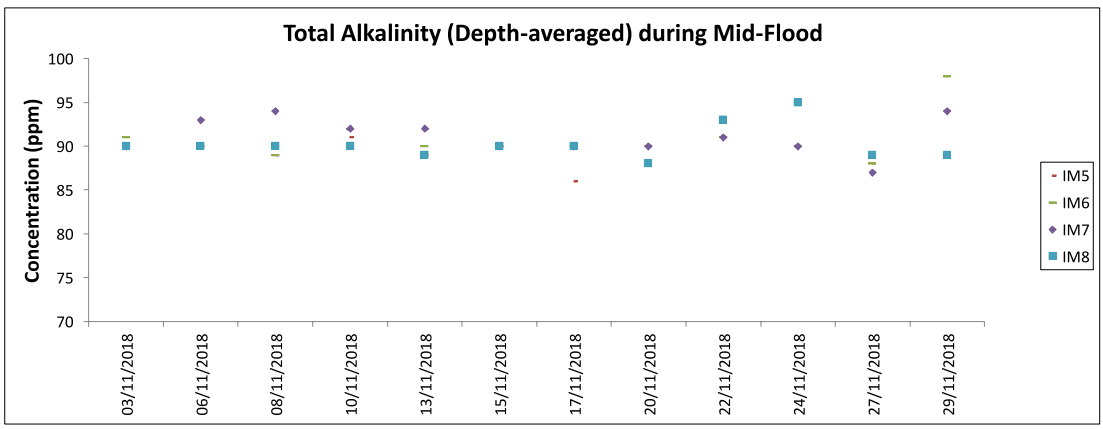


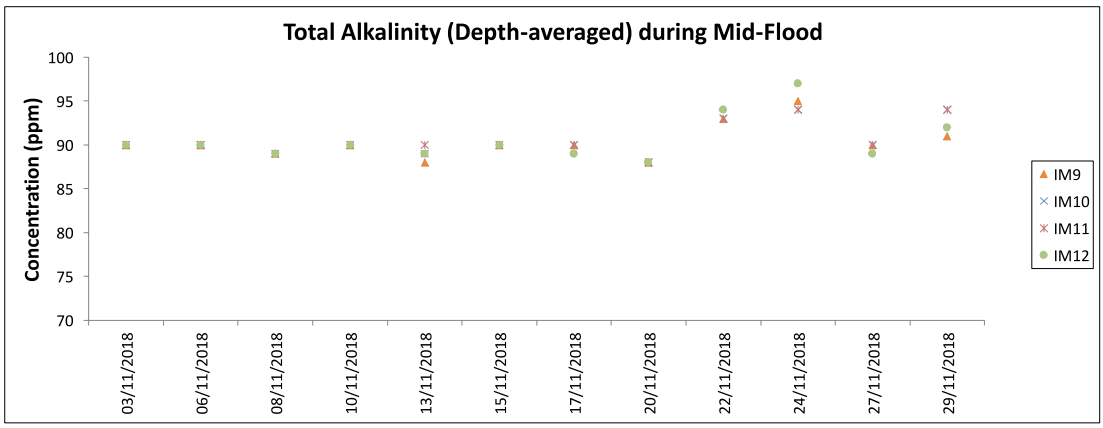


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

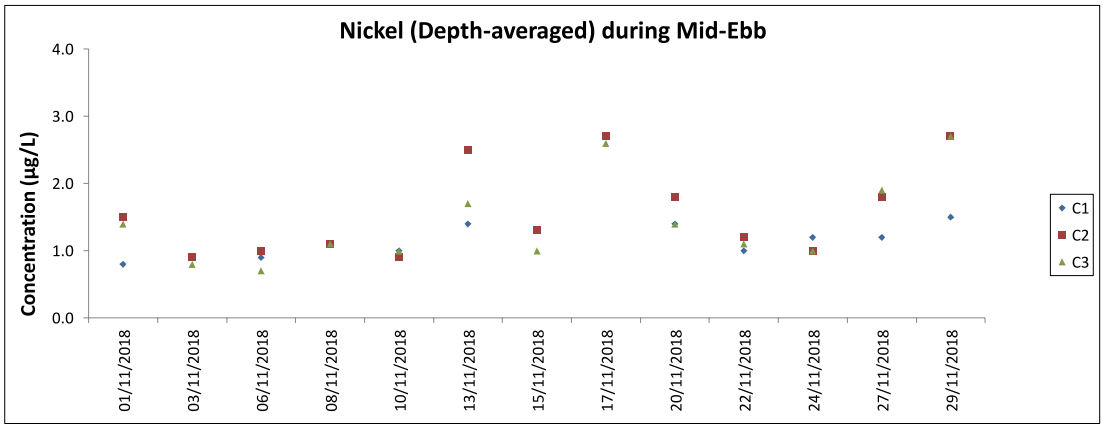


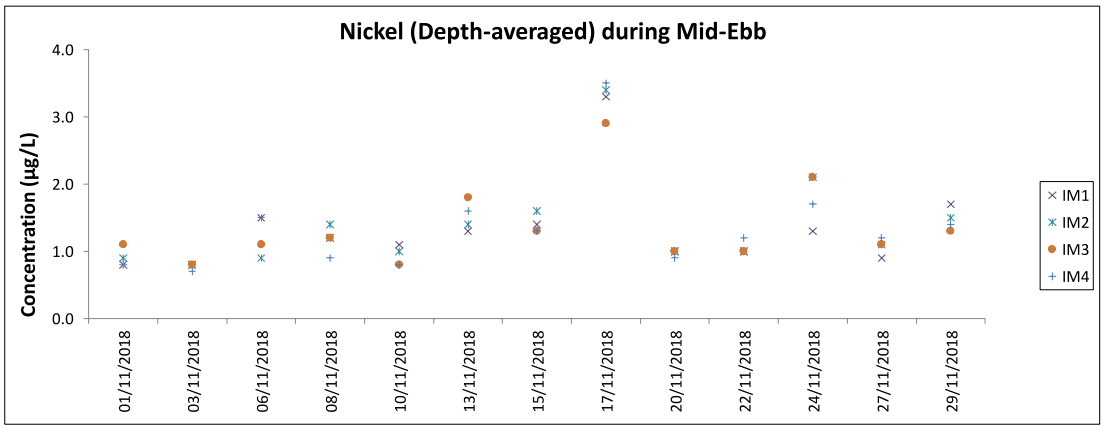


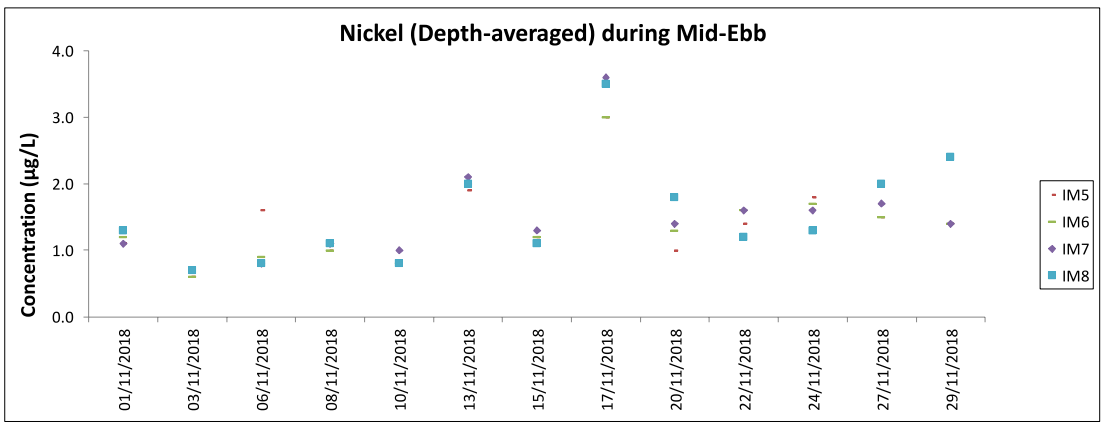


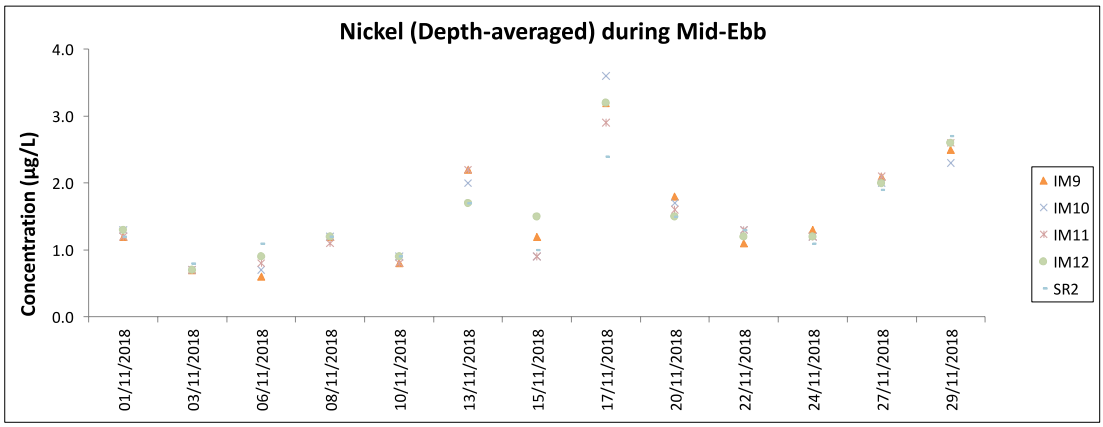


Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.

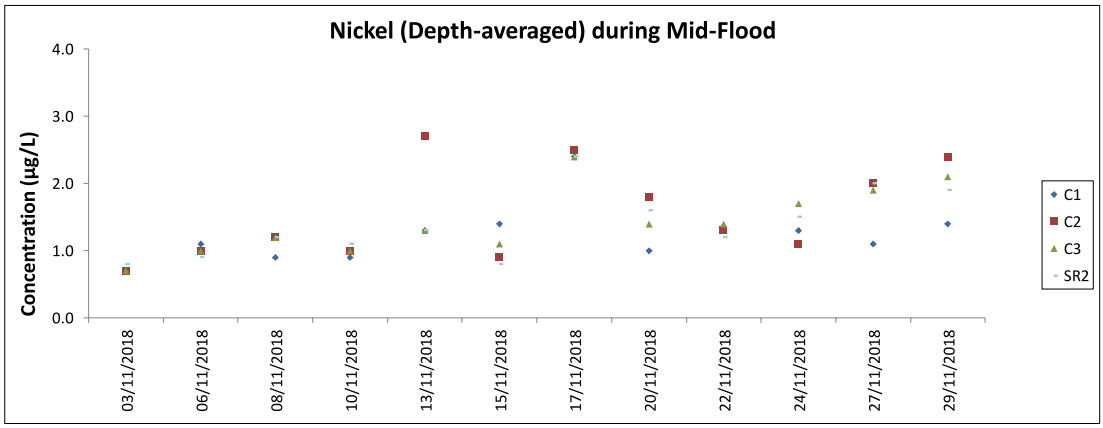


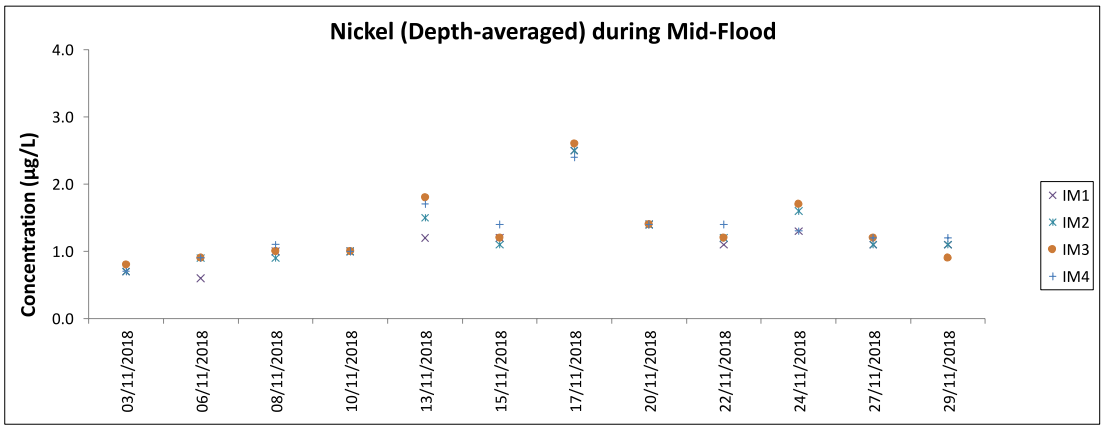


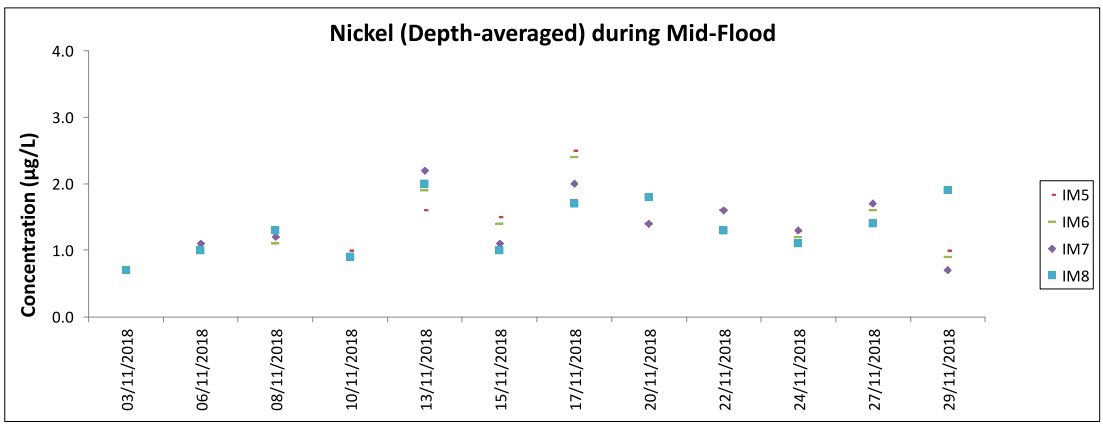


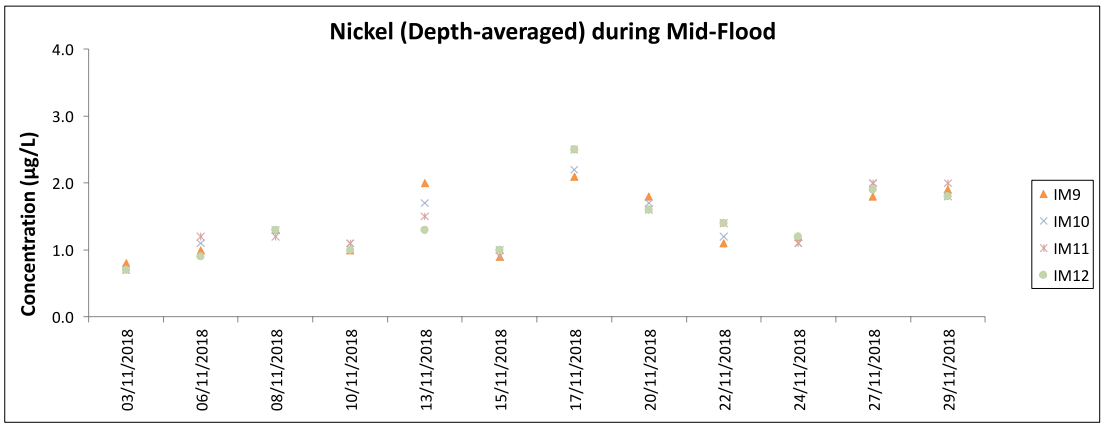


Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period were below the reporting limit 0.2 µg/L.









Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
All chromium results in the reporting period were 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
7-Sep-18	SWL	1	0.800	AUTUMN	32166	3RS ET	P
7-Sep-18	SWL	2	43.560	AUTUMN	32166	3RS ET	P
7-Sep-18	SWL	3	11.660	AUTUMN	32166	3RS ET	P
7-Sep-18	SWL	1	1.500	AUTUMN	32166	3RS ET	S
7-Sep-18	SWL	2	8.130	AUTUMN	32166	3RS ET	S
7-Sep-18	SWL	3	4.900	AUTUMN	32166	3RS ET	S
10-Sep-18	NEL	2	37.280	AUTUMN	32166	3RS ET	P
10-Sep-18	NEL	2	8.640	AUTUMN	32166	3RS ET	S
10-Sep-18	NEL	3	1.080	AUTUMN	32166	3RS ET	S
14-Sep-18	NWL	1	1.400	AUTUMN	32166	3RS ET	P
14-Sep-18	NWL	2	58.520	AUTUMN	32166	3RS ET	P
14-Sep-18	NWL	3	3.600	AUTUMN	32166	3RS ET	P
14-Sep-18	NWL	2	11.780	AUTUMN	32166	3RS ET	S
18-Sep-18	NEL	2	4.900	AUTUMN	32166	3RS ET	P
18-Sep-18	NEL	3	28.270	AUTUMN	32166	3RS ET	P
18-Sep-18	NEL	4	4.070	AUTUMN	32166	3RS ET	P
18-Sep-18	NEL	2	1.000	AUTUMN	32166	3RS ET	S
18-Sep-18	NEL	3	8.260	AUTUMN	32166	3RS ET	S
18-Sep-18	NEL	4	1.000	AUTUMN	32166	3RS ET	S
19-Sep-18	SWL	2	42.334	AUTUMN	32166	3RS ET	P
19-Sep-18	SWL	3	12.170	AUTUMN	32166	3RS ET	P
19-Sep-18	SWL	2	13.810	AUTUMN	32166	3RS ET	S
19-Sep-18	SWL	3	0.900	AUTUMN	32166	3RS ET	S
20-Sep-18	AW	2	4.940	AUTUMN	32166	3RS ET	P
20-Sep-18	WL	2	6.421	AUTUMN	32166	3RS ET	P
20-Sep-18	WL	3	11.471	AUTUMN	32166	3RS ET	P
20-Sep-18	WL	2	5.212	AUTUMN	32166	3RS ET	S
20-Sep-18	WL	3	6.235	AUTUMN	32166	3RS ET	S
21-Sep-18	AW	2	4.690	AUTUMN	32166	3RS ET	P
21-Sep-18	WL	2	4.136	AUTUMN	32166	3RS ET	P
21-Sep-18	WL	3	13.589	AUTUMN	32166	3RS ET	P
21-Sep-18	WL	2	2.288	AUTUMN	32166	3RS ET	S
21-Sep-18	WL	3	7.393	AUTUMN	32166	3RS ET	S
26-Sep-18	NWL	2	40.190	AUTUMN	32166	3RS ET	P
26-Sep-18	NWL	3	21.690	AUTUMN	32166	3RS ET	P
26-Sep-18	NWL	2	6.418	AUTUMN	32166	3RS ET	S
26-Sep-18	NWL	3	3.520	AUTUMN	32166	3RS ET	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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
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
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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
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

Notes: CWD monitoring survey data of the two preceding survey months (i.e. September and October 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
7-Sep-18	1	1408	FP	1	SWL	2	244	ON	3RS ET	22.1951	113.9275	AUTUMN	NONE	P
7-Sep-18	2	1425	FP	5	SWL	2	147	ON	3RS ET	22.1751	113.9282	AUTUMN	NONE	P
14-Sep-18	1	1326	CWD	1	NWL	2	38	ON	3RS ET	22.3994	113.8982	AUTUMN	NONE	P
19-Sep-18	1	1041	CWD	9	SWL	2	808	ON	3RS ET	22.1925	113.8590	AUTUMN	NONE	P
19-Sep-18	2	1112	CWD	3	SWL	2	208	ON	3RS ET	22.1937	113.8589	AUTUMN	NONE	P
19-Sep-18	3	1303	CWD	1	SWL	3	49	ON	3RS ET	22.1726	113.8970	AUTUMN	NONE	P
20-Sep-18	1	1025	CWD	5	WL	3	38	ON	3RS ET	22.2686	113.8478	AUTUMN	NONE	P
20-Sep-18	2	1047	CWD	10	WL	2	18	ON	3RS ET	22.2686	113.8526	AUTUMN	NONE	P
20-Sep-18	3	1108	CWD	1	WL	2	72	ON	3RS ET	22.2600	113.8497	AUTUMN	NONE	P
20-Sep-18	4	1135	CWD	3	WL	3	66	ON	3RS ET	22.2416	113.8462	AUTUMN	NONE	P
20-Sep-18	5	1145	CWD	2	WL	3	8	ON	3RS ET	22.2415	113.8406	AUTUMN	NONE	P
20-Sep-18	6	1250	CWD	7	WL	3	77	ON	3RS ET	22.1964	113.8414	AUTUMN	NONE	P
20-Sep-18	7	1317	CWD	1	WL	3	83	ON	3RS ET	22.1871	113.8399	AUTUMN	NONE	P
20-Sep-18	8	1327	CWD	2	WL	3	81	ON	3RS ET	22.1870	113.8312	AUTUMN	NONE	P
21-Sep-18	1	1026	CWD	6	WL	3	44	ON	3RS ET	22.2688	113.8523	AUTUMN	NONE	P
21-Sep-18	2	1105	CWD	2	WL	3	520	ON	3RS ET	22.2499	113.8394	AUTUMN	NONE	P
21-Sep-18	3	1142	CWD	3	WL	3	4	ON	3RS ET	22.2285	113.8377	AUTUMN	NONE	S
21-Sep-18	4	1208	CWD	6	WL	3	279	ON	3RS ET	22.2143	113.8313	AUTUMN	NONE	P
21-Sep-18	5	1237	CWD	1	WL	2	2	ON	3RS ET	22.2135	113.8351	AUTUMN	NONE	P
21-Sep-18	6	1306	CWD	4	WL	3	57	ON	3RS ET	22.1957	113.8348	AUTUMN	NONE	P
26-Sep-18	1	1030	CWD	2	NWL	2	77	ON	3RS ET	22.2832	113.8697	AUTUMN	NONE	P
26-Sep-18	2	1050	CWD	1	NWL	2	125	ON	3RS ET	22.2713	113.8721	AUTUMN	NONE	S
26-Sep-18	3	1221	CWD	1	NWL	3	387	ON	3RS ET	22.3863	113.8878	AUTUMN	NONE	P
26-Sep-18	4	1426	CWD	1	NWL	2	131	ON	3RS ET	22.3659	113.9188	AUTUMN	NONE	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

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
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
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

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. September and October 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 November 2018 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 392.038 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 19 on-effort sightings and total number of 56 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in November 2018 are shown as below:

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

$$STG = \frac{19}{392.038}\ x\ 100 = 4.85$$

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

$$ANI = \frac{56}{392.038}\ x\ 100 = 14.28$$

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

A total of 1258.595 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 54 on-effort sightings and total number of 166 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)

$$STG = \frac{54}{1258.595}\ x\ 100 = 4.29$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{166}{1258.595}\ x\ 100 = 13.19$$

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

	
NLMM012_20181106_1_4	NLMM039_20181106_1_2
	
NLMM004_20181106_2_1_Lower	NLMM006_20181106_2_6
	
NLMM013_20181106_2_5	NLMM037_20181106_2_10
	
NLMM068_20181106_2_6	WLMM127_20181106_2_1

	
WLMM060_20181112_1_2	WLMM071_20181112_1_7
	
NLMM023_20181112_2_6	NLMM052_20181112_2_3
	
SLMM003_20181116_1_6	SLMM007_20181116_1_8
	
SLMM052_20181116_1_8	WLMM079_20181116_1_1

	
WLMM063_20181116_3_8	WLMM001_20181116_8_3
	
WLMM007_20181116_8_1	WLMM079_20181116_8_2
	
WLMM109_20181116_8_14	SLMM028_20181120_1_8
	
NLMM018_20181120_2_7	SLMM003_20181120_2_7

	
SLMM037_20181120_2_13	WLMM131_20181120_2_6
	
NLMM018_20181120_3_9	SLMM059_20181120_3_2
	
WLMM056_20181120_3_12	WLMM125_20181120_3_1
	
WLMM018_20181120_4_3	SLMM014_20181121_1_2

	
SLMM034_20181121_2_2	SLMM014_20181121_3_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
5/Nov/18	Lung Kwu Chau	8:50	14:50	6:00	2-3	2-3	6	1-3
13/Nov/18	Lung Kwu Chau	8:36	14:36	6:00	2-3	3-4	4	2-5
14/Nov/18	Sha Chau	8:37	14:37	6:00	2-3	2-3	0	N/A
21/Nov/18	Lung Kwu Chau	8:53	14:53	6:00	2-3	2-3	2	2-5
27/Nov/18	Sha Chau	8:27	14:27	6:00	2	3	0	N/A

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